

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

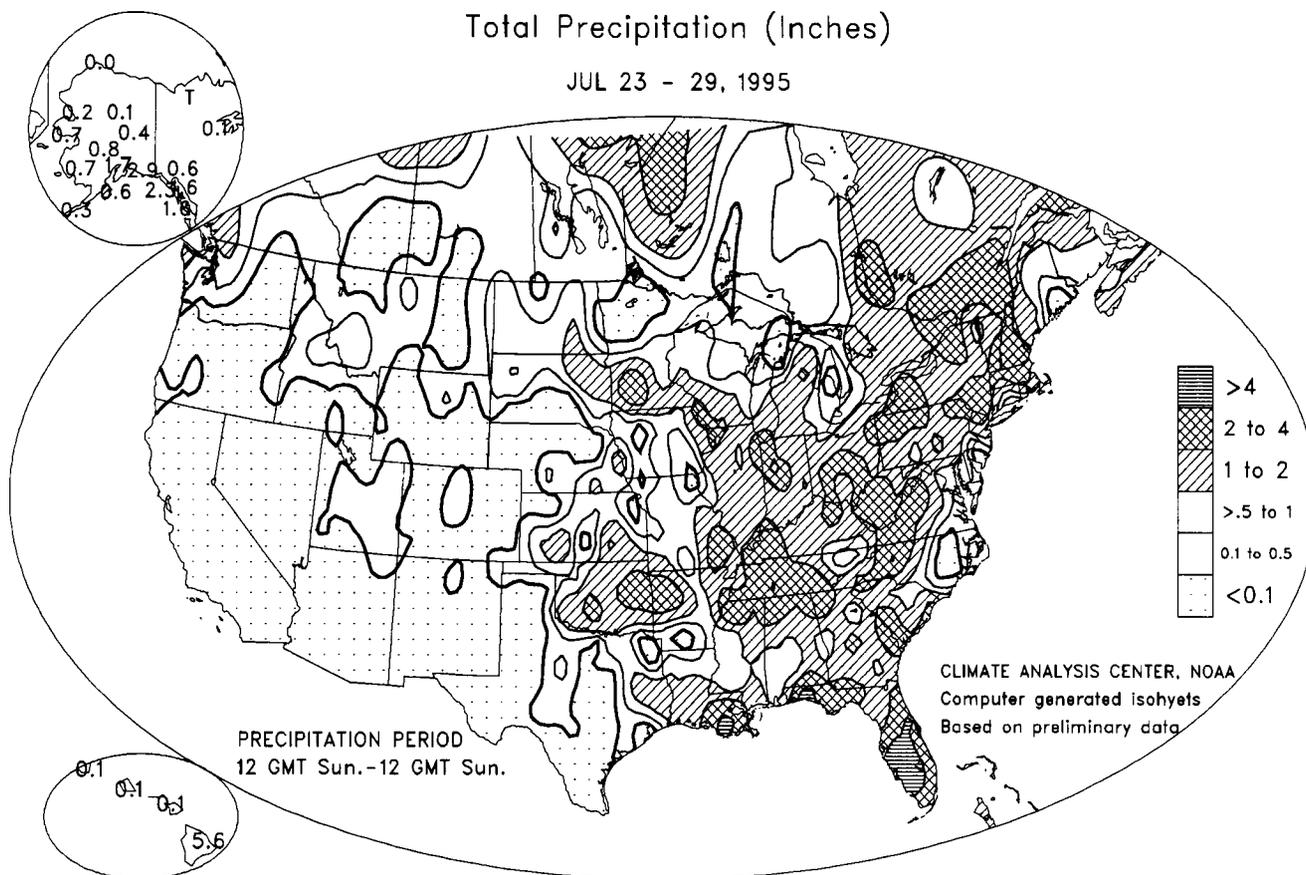
Volume 82, No. 31

Washington, D.C.

August 1, 1995

Total Precipitation (Inches)

JUL 23 - 29, 1995



HIGHLIGHTS

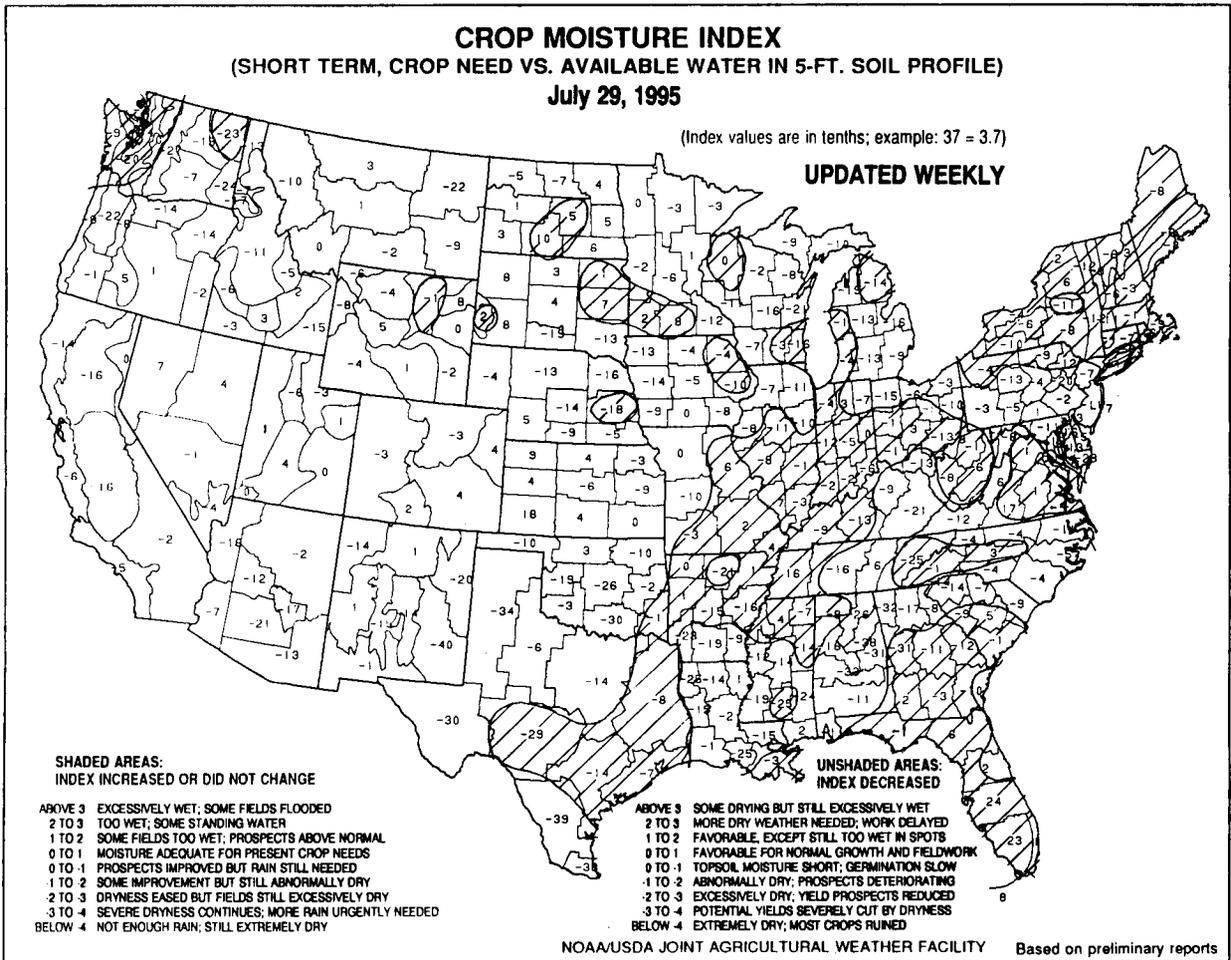
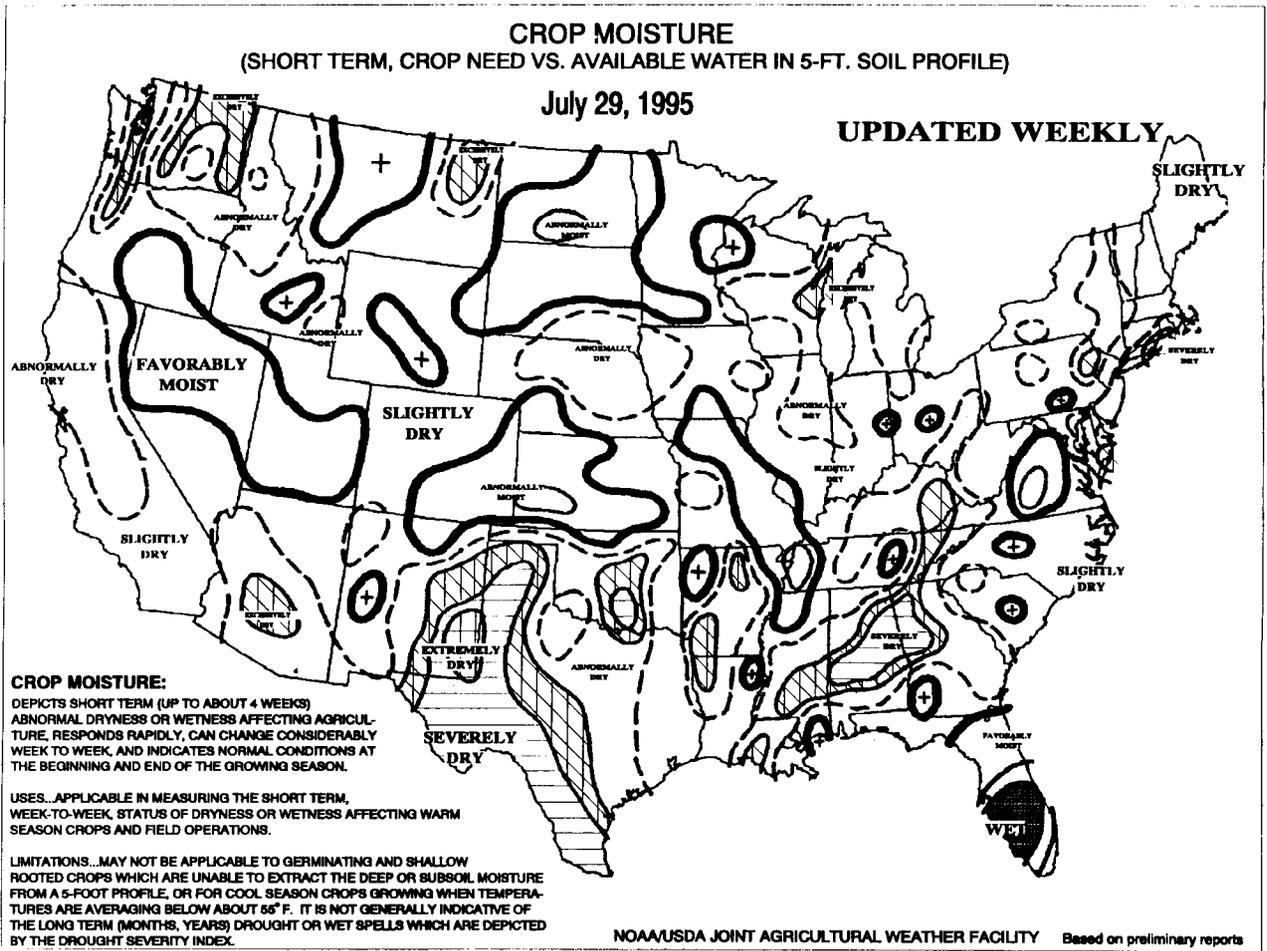
July 23 - 29, 1995

Early-week rains across the Corn Belt helped to temper the effects of warm, dry weather at week's end, as temperatures climbed into the lower to middle 90's. In chronically dry areas of the western Corn Belt, including eastern Nebraska, highs of 95 to 100°F on July 27-29 stressed crops advancing though reproduction. Record-setting heat gripped areas farther west and south, with highs above 120°F in Death Valley and the lower Colorado River basin. Extreme heat eased in the Southeast, where scattered thunderstorms locally improved topsoil moisture, while heavy rain (locally 4 to 7 inches) persisted in western Peninsular Florida. In the Northeast, a second consecutive week of widespread rainfall continued to chip away at long-term dryness. At week's end, a tropical depression formed in the eastern Gulf of Mexico. (The westward-drifting depression achieved tropical-storm status and was named Dean shortly before its landfall near Galveston, TX on Sunday evening, July 30.)

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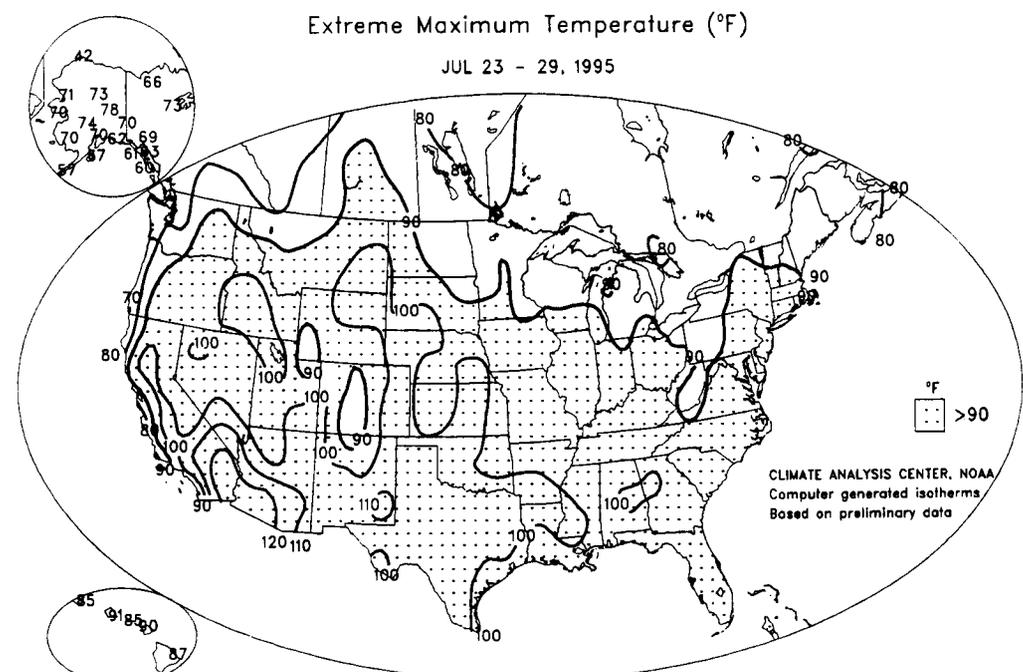
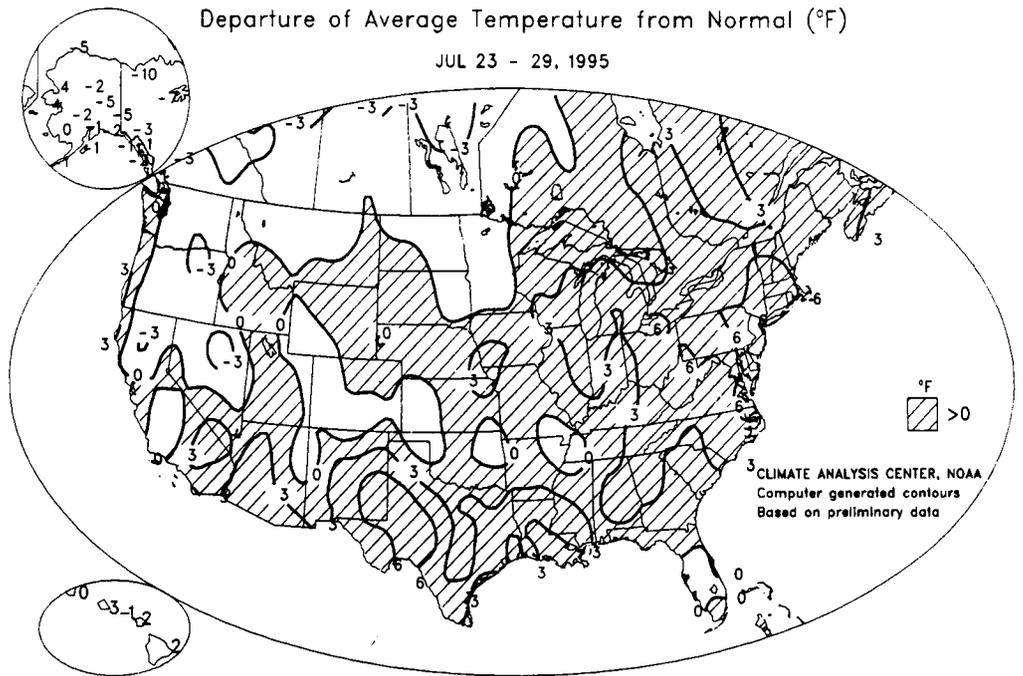
Early in the week, significant rain fell from northern Maine to Oklahoma along a complex frontal boundary. Although rainfall gradually diminished from west to east as the week progressed, subsequent disturbances continued to produce scattered showers in the eastern half of the Nation, with weekly totals in excess of 3 inches in locations such as Fort Smith, AR, Macon, GA, Columbus, OH, Columbia, SC, and Memphis, TN.

Highs continued to approach or exceed 100°F in the Southeast through midweek. Daily records included 100°F in Greenville-Spartanburg, SC on July 24 and 25, and 102°F in Atlanta, GA on Tuesday. Farther north, weekly temperatures averaged up to 10°F above normal in the Middle Atlantic region. In Richmond, VA, the week ended with a record-tying, 19-day string of 90-degree days intact.

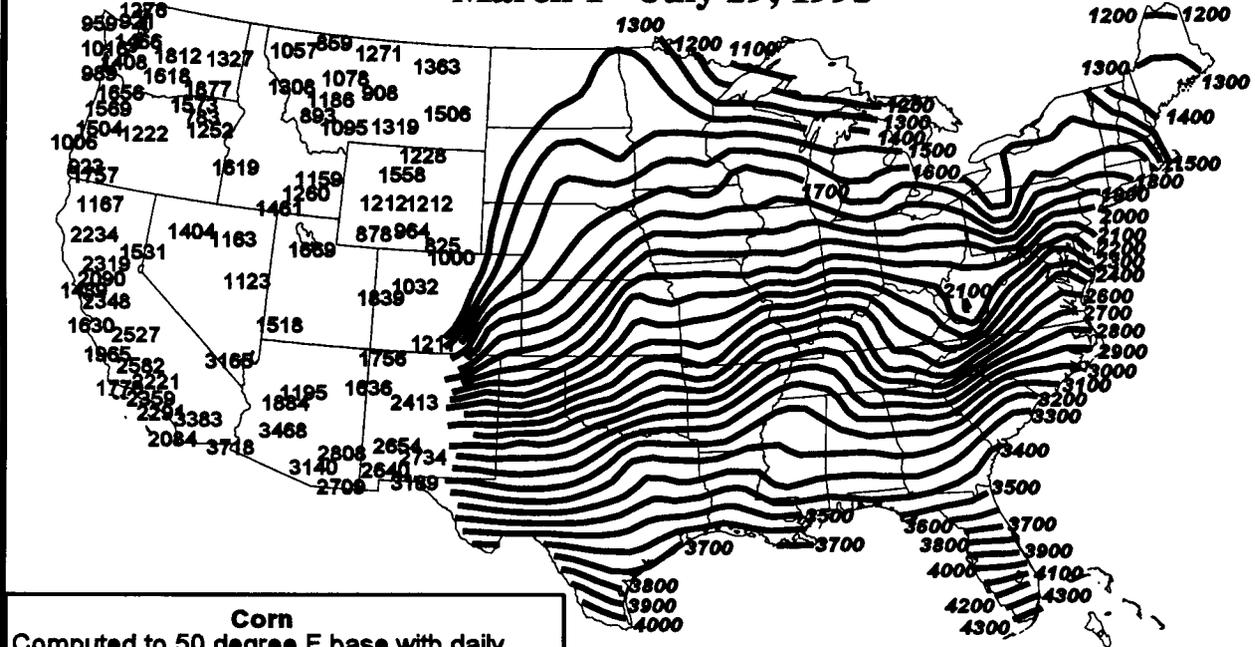
Heat intensified across the Southwest and the southern Plains by midweek. Midland, TX broke six daily-record highs during the week, peaking at 106°F on July 24 and 27. El Paso, TX notched four consecutive daily-record highs (July 25-28), including 108°F on Thursday. Coolidge, AZ marked an all-time record of 121°F on July 26 (breaking their record of 119°F set on June 27, 1990), then measured highs of 123°F on July 27 and 28. Elsewhere around Arizona on Friday, all-time highs included 124°F in Yuma (123°F on September 1, 1950); 122°F in Gila Bend (tied June 26, 1990); 113°F in Safford (112°F on June 27, 1990); 113°F in Globe (tied June 27, 1990); 110°F in Sedona (tied July 5, 1981); 107°F in Payson (tied July 11, 1958); and 107°F in Sierra Vista (tied June 26, 1990).

Phoenix, AZ registered a July record-tying high of 118°F on Thursday, then observed 121°F a day later, within 1°F of their June 26, 1990, all-time record. Laughlin, NV (124°F on Friday) logged a July-record high that was within 1°F of their own State record, set June 29, 1994. Tucson, AZ (114°F) tied its July record on Friday, formerly achieved on July 4, 1989. Peak temperatures elsewhere on Friday included 109°F in Childress, TX, and 114°F in St. George, UT. A day earlier, temperatures in New Mexico peaked at 111°F in Roswell and 113°F in Carlsbad. On Saturday, highs included 111°F in Del Rio (Laughlin A.F.B.), TX, and 127°F at Death Valley, CA.

Late in the week, highs briefly topped 100°F as far east as the Mississippi Delta region and as far north as southeastern Montana. On Friday, highs in northern Louisiana reached 103°F in Shreveport and Monroe. A day later, Miles City, MT logged 106°F. In the western Corn Belt, Omaha (Offutt A.F.B.), NE recorded 100°F on July 27-28. But a strong cold front swept into the Northwest at week's end, diminishing the areal extent of the heat wave and sparking vigorous thunderstorms. Saturday was the last day of intense heat in the Southwest, where Las Vegas, NV noted 115°F, and Tucson tallied its fourth consecutive daily record and 110-degree day. Heat shifted westward, however, as a building surface high-pressure system over the Northwest produced easterly (Santa Ana) winds over California, resulting in daily-record highs in Riverside (108°F) and at the L.A. Civic Center (100°F). In contrast, lows on Sunday morning (July 30) dipped to daily-record levels in Burns, OR (30°F) and Butte, MT (37°F).



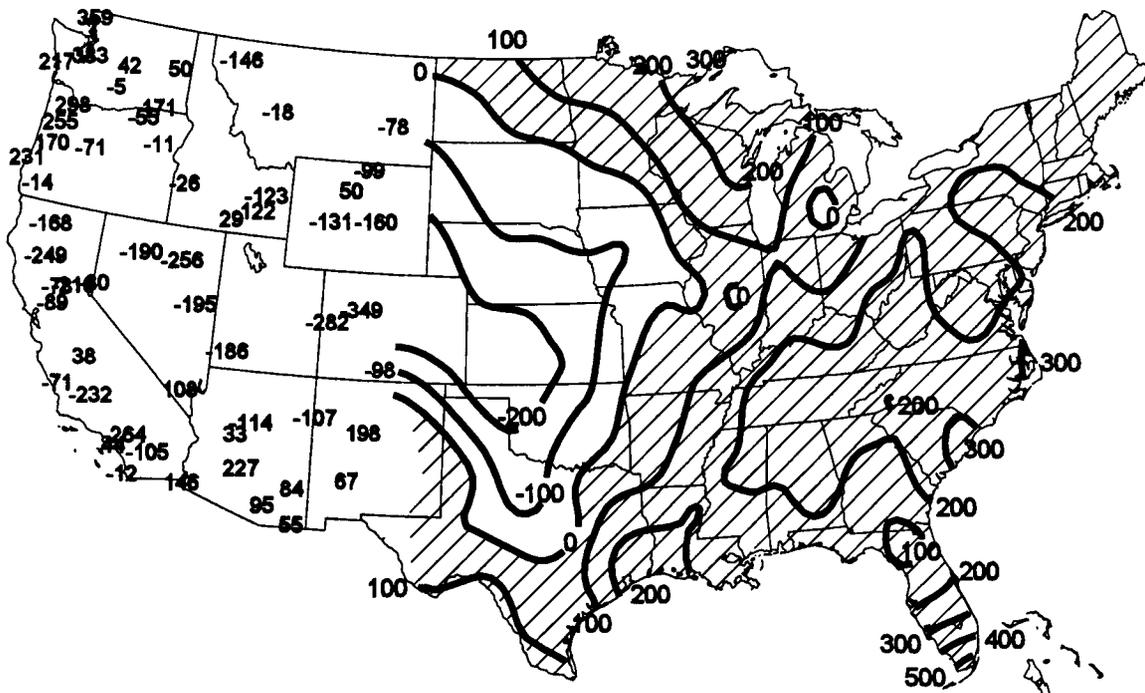
Total Growing Degree Days March 1 - July 29, 1995



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 - July 29, 1995



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
 Based on preliminary data

National Weather Data for Selected Cities

Weather Data for the Week Ending July 29, 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 Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		OR MORE	OR MORE		
AL BIRMINGHAM	99	73	101	71	86	6	.5	-.6	-.4	6.3	50	22.8	66	86	41	7	6	0	3	0	
MOBILE	94	75	96	72	84	2	.2	-1.4	-.1	7.6	67	45.5	119	97	54	7	7	0	3	0	
MONTEGOMERY	96	73	98	70	84	2	.2	-1.4	-.1	4.5	44	25.1	72	93	48	0	0	0	0	0	
AK ANCHORAGE	62	53	70	50	57	-1	1.7	1.3	1.3	3.6	133	7.2	112	88	65	0	0	4	1	1	
BARROW	38	31	42	29	35	-5	.8	1.3	1.3	1.3	110	2.1	113	98	80	0	0	0	0	0	
FAIRBANKS	69	45	78	41	57	-5	.4	1.1	1.1	3.2	103	4.8	91	91	41	0	0	2	0	0	
JUNEAU	59	50	63	47	55	-1	1.6	1.6	1.6	6.5	93	..	98	72	0	0	0	0	1	1	
KODIAK	61	48	67	45	55	-1	.6	1.2	1.2	13.1	159	47.5	135	94	68	0	0	3	5	3	
WOMU	65	46	70	38	56	4	.7	1.1	1.1	2.3	74	8.3	129	83	54	0	0	2	1	1	
AZ PHOENIX	114	80	121	74	97	3	.8	1.2	1.2	7.4	0	3.1	89	24	8	7	7	0	0	0	
PRESCOTT	97	63	102	57	80	7	.0	-.9	-.0	.4	13	5.4	56	41	12	7	0	0	0	0	
TUCSON	109	74	114	70	92	5	.0	-.6	-.0	.1	2	3.8	73	33	6	7	7	0	0	0	
YUMA	113	83	124	76	98	4	.0	-.1	-.0	.2	88	2.1	170	38	9	7	0	0	0	0	
AR FORT SMITH	92	72	98	67	82	0	0	0	0	9.7	156	27.9	117	96	57	5	5	4	3	3	
LITTLE ROCK	94	73	99	68	83	1	2.1	1.4	1.3	6.1	85	25.0	88	80	47	7	0	3	2	2	
CA BAKERSFIELD	97	66	105	59	81	-4	.0	-.0	-.0	.1	109	7.9	205	47	10	7	0	0	0	0	
FURCRA	66	57	68	54	61	4	.8	1.0	1.0	1.9	313	36.0	171	91	74	0	0	1	0	0	
FRESNO	99	66	106	61	82	0	.0	-.0	-.0	.7	957	15.2	218	75	10	7	0	0	0	0	
LOS ANGELES	77	63	89	60	70	0	.0	-.0	-.0	.7	>1000	21.0	272	89	63	0	0	0	0	0	
REDDING	97	62	104	59	79	-3	.0	-.0	-.0	1.8	254	46.6	246	69	16	7	0	0	0	0	
SACRAMENTO	92	58	102	55	75	-1	.0	-.0	-.0	.5	313	23.8	221	95	32	4	0	0	0	0	
SAN DIEGO	76	64	81	62	70	-2	.0	-.0	-.0	.5	567	15.9	256	96	67	0	0	0	0	0	
SAN FRANCISCO	72	56	82	52	64	1	.8	1.0	1.0	.6	500	21.0	171	90	58	0	0	0	0	0	
CO DENVER	93	60	99	57	77	2	.8	1.4	1.4	4.0	111	11.7	117	49	14	5	0	0	0	0	
GRAND JUNCTION	98	61	104	57	80	0	.0	-.2	-.2	2.0	145	7.9	142	61	12	7	0	0	0	0	
FURBLO	97	52	102	48	75	-3	.1	-.4	-.1	3.8	118	11.6	173	78	15	6	0	1	0	0	
CT BRIDGEPORT	88	75	91	70	81	7	.1	-.7	-.1	2.8	40	16.6	67	89	61	3	0	4	0	0	
HARTFORD	91	71	94	68	81	7	.8	1.1	1.4	3.2	47	17.4	69	96	54	6	0	4	0	0	
DC WASHINGTON	93	75	95	74	84	4	.4	-.5	-.3	6.5	93	19.6	89	86	53	7	0	2	0	0	
FL PANAMA CITY	88	75	91	73	82	1	.6	-1.5	-.3	8.3	55	22.8	59	93	65	2	0	2	0	0	
DAYTONA BEACH	90	72	94	70	81	0	2.5	1.3	1.3	12.3	111	19.8	78	97	64	4	0	5	2	3	
JACKSONVILLE	92	73	96	72	83	1	3.0	1.7	1.6	14.7	135	25.9	94	98	61	5	0	6	3	3	
KEY WEST	90	80	92	74	85	0	.8	1.0	1.0	10.6	125	19.6	102	82	66	6	0	4	1	1	
MIAMI	89	77	93	74	83	0	3.3	2.1	2.0	26.0	177	41.8	138	88	60	3	0	5	2	2	
ORLANDO	90	73	94	72	81	-1	1.6	1.1	1.0	13.3	94	23.1	83	96	59	4	0	5	2	2	
TALLAHASSEE	92	74	96	72	83	1	2.3	1.3	1.6	17.4	114	35.1	87	93	55	6	0	6	3	3	
TAMPA	89	75	93	73	82	0	1.7	1.2	1.0	19.7	170	30.4	127	94	62	4	0	6	1	1	
WEST PALM BEACH	88	76	91	74	82	-1	2.3	1.0	1.2	13.4	98	22.7	72	92	69	2	0	5	1	1	
GA ATLANTA	96	75	102	73	85	6	.4	-.7	-.2	4.5	55	22.5	70	91	42	6	0	2	0	0	
ADGOSTA	94	71	98	68	83	1	.7	-.2	-.4	9.1	113	24.4	87	98	56	6	0	6	0	0	
MACON	94	73	97	71	83	2	3.8	2.9	3.1	10.6	140	26.9	94	95	53	6	0	4	1	1	
SAVANNAH	93	75	98	71	84	2	2.0	1.4	1.0	13.1	113	24.9	85	92	56	6	0	4	2	2	
HI HILLO	84	72	87	69	78	2	5.6	3.2	1.6	19.2	126	46.3	62	93	73	0	0	6	5	5	
HONOLULU	90	76	91	74	83	3	.1	-.1	-.1	.2	18	9.9	84	75	50	6	0	1	0	0	
KAHULUI	88	73	90	72	81	2	.1	-.0	-.1	.4	71	8.6	66	77	54	1	0	2	0	0	
LIHUE	85	74	85	72	80	0	1.1	1.4	1.1	1.8	48	15.0	63	84	65	0	0	2	0	0	
ID BOISE	94	61	102	57	78	2	.1	-.0	-.1	1.5	130	9.0	124	59	16	7	0	1	0	0	
LEWISTON	86	60	93	57	73	-2	.1	-.1	-.1	4.1	219	9.9	131	66	28	3	0	0	0	0	
POCATELLO	90	50	98	45	70	-1	.1	-.1	-.1	3.7	226	11.3	153	70	20	4	0	1	0	0	
IL CHICAGO	90	70	95	65	80	6	.6	-.3	-.3	4.7	66	20.1	102	86	48	3	0	3	0	0	
MOLINE	89	66	93	64	78	2	.3	-.8	-.2	5.5	62	24.0	105	95	52	3	0	2	0	0	
PERIA	89	67	92	64	78	2	1.0	1.1	1.0	4.4	55	24.3	114	98	54	2	0	3	1	1	
QUINCY	88	68	91	65	78	1	1.1	1.0	1.0	3.5	44	19.4	86	85	52	2	0	3	0	0	
ROCKFORD	87	65	90	63	76	2	1.0	1.1	1.0	6.0	72	20.3	98	98	52	2	0	3	1	1	
SPRINGFIELD	90	69	93	68	79	3	1.0	1.2	1.0	4.0	59	22.2	108	94	51	3	0	3	1	1	
IN EVANSVILLE	92	72	95	71	82	3	1.3	1.3	1.0	7.4	93	34.8	124	91	52	6	0	3	1	1	
FORT WAYNE	87	66	91	63	77	3	.3	-.4	-.2	7.3	107	21.8	108	99	60	1	0	3	0	0	
INDIANAPOLIS	87	69	91	68	78	3	1.8	1.8	1.1	6.1	79	22.6	94	97	60	1	0	2	2	2	
SOUTH BEND	86	68	90	65	77	4	.3	-.6	-.2	8.8	114	23.0	104	97	61	1	0	2	0	0	
IA DES MOINES	90	67	94	65	78	3	.2	-.6	-.1	6.5	79	23.2	115	88	49	3	0	3	0	0	
SIoux CITY	92	61	98	55	76	0	.8	1.0	1.0	3.2	47	15.3	96	91	44	5	0	0	0	0	
WATERLOO	90	62	95	60	76	3	.1	-1.0	-.1	6.0	67	17.2	83	97	45	3	0	1	0	0	
KS CONCORDIA	95	66	98	60	80	0	.8	1.0	1.0	5.5	70	19.5	108	87	40	7	0	0	0	0	
DODGE CITY	94	65	97	61	79	-1	.5	-.2	-.5	6.4	103	16.6	119	92	41	6	0	2	0	0	
GOODLAND	93	58	99	52	76	0	.8	1.0	1.0	7.4	125	15.9	126	79	23	6	0	0	0	0	
POPERA	94	69	98	66	82	3	.8	1.0	1.0	7.8	87	27.1	130	88	38	6	0	0	0	0	
WICHITA	91	71	100	64	82	2	.8	1.0	1.0	12.7	142	25.3	122	87	48	6	0	0	0	0	
KY BOWLING GREEN	91	70	94	68	80	2	1.5	1.5	1.1	4.5	52	22.2	72	97	61	6	0	4	1	1	
LEXINGTON	88	69	92	68	79	3	.9	-.3	-.6	9.3	111	32.7	120	96	57	2	0	3	1	1	
LOUISVILLE	90	72	92	70	81	3	.3	-.7	-.2	5.3	69	24.5	89	93	64	5	0	3	0	0	
LA BATON ROUGE	95	75	98	70	85	2	.4	-1.2	-.3	6.2	57	45.8	126	97	51	6	0	2	0	0	
LAKE CHARLES	96	78	100	72	87	4	.3	-.9	-.3	11.0	112	35.5	118	96	56	7	0	1	0	0	
NEW ORLEANS	94	76	99	73	85	3	1.3	1.1	1.1	8.1	70	49.6	135	93	57	6	0	4	1	1	
SHREVEPORT	98	75	103	71	87	4	.5	-.3	-.3	6.3	81	30.6	103	92	43	7	0	2	0	0	

Based on 1961-90 normals.

Weather Data for the Week Ending July 29, 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	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	90	68	96	64	79	6	.1	.6	.1	4.8	70	17.5	93	95	55	3	0	2	0		
YOUNGSTOWN	86	68	89	66	77	7	2.1	1.3	1.0	6.5	83	19.3	89	98	61	0	0	5	2		
OK OKLAHOMA CITY	94	69	100	61	81	-1	1.6	1.1	1.3	7.3	105	19.8	98	92	48	0	0	2	1		
TULSA	94	71	98	65	83	-1	1.0	.4	.5	12.3	168	32.4	137	89	45	6	0	4	1		
OR ASTORIA	69	55	72	50	62	2	.3	.1	.3	3.2	92	36.0	101	92	63	0	0	2	0		
BURNS	88	46	94	40	67	0	.4	.1	.4	1.6	130	6.4	114	79	16	3	0	0	0		
MEDFORD	90	58	98	55	74	0	.1	.1	.1	2.7	335	14.3	151	79	23	4	0	1	0		
PRIDLETON	86	56	92	53	71	-3	.3	.0	.3	2.5	253	11.3	164	65	33	2	0	0	0		
PORTLAND	79	59	84	52	69	0	.4	.1	.4	3.9	186	21.6	112	78	44	0	0	0	0		
SALEM	79	57	85	50	68	1	.1	.1	.1	1.8	98	25.0	120	85	43	0	0	0	0		
PA ALLENTOWN	89	71	92	67	80	6	.3	.3	.3	6.8	89	21.4	87	93	56	3	0	1	0		
ERIE	84	70	90	68	77	5	.7	.0	.0	3.2	44	16.3	74	91	59	1	0	5	0		
HARRISBURG	89	73	92	70	81	5	1.8	.8	.9	9.6	134	21.2	89	95	57	4	0	2	2		
PHILADELPHIA	93	77	96	75	85	10	1.8	.3	.4	3.5	41	15.4	57	90	56	7	0	5	0		
PITTSBURGH	88	70	91	67	79	6	1.4	.4	.4	6.8	94	17.8	80	89	51	3	0	2	0		
SCRANTON	88	69	91	66	78	6	1.2	.3	.6	4.6	61	13.7	65	95	55	2	0	3	1		
RI PROVIDENCE	89	74	95	71	81	8	1.4	.6	.6	4.0	64	19.1	74	95	59	2	0	3	0		
SC CHARLESTON	92	75	98	74	84	2	2.9	1.3	2.0	12.5	98	24.0	78	95	63	6	0	5	1		
COLOMBIA	95	73	99	71	84	3	3.9	2.6	1.7	18.3	185	33.8	112	92	50	7	0	5	2		
FLORINCE	94	75	99	74	84	3	3.9	.9	.3	9.1	96	25.6	96	94	50	7	0	1	0		
GREENVILLE	95	71	100	69	83	3	.7	.3	.7	6.4	70	26.3	84	93	45	5	0	2	1		
SD ABERDEEN	83	59	85	56	71	-2	1.3	.6	.7	4.8	76	16.1	120	96	46	0	0	2	2		
KUROU	88	61	92	58	74	-1	.4	.2	.2	4.2	72	19.9	147	89	45	2	0	3	0		
RAPID CITY	89	59	100	54	74	1	.9	.2	.3	7.4	147	15.3	134	80	35	3	0	2	0		
SIOUX FALLS	89	62	95	59	76	1	1.1	.2	.2	5.2	87	20.1	141	90	45	3	0	4	1		
TN CHATTANOOGA	92	71	96	70	82	3	2.2	1.1	1.5	7.7	95	28.1	90	94	50	5	0	3	2		
KNOXVILLE	95	70	98	68	82	5	1.1	.9	.1	4.2	50	26.1	88	93	44	6	0	2	0		
MEMPHIS	91	70	94	68	81	2	3.6	2.7	2.9	14.9	209	38.7	115	97	56	6	0	3	1		
NASHVILLE	90	71	94	69	80	4	.7	.3	.3	5.6	77	21.5	99	97	58	4	0	5	0		
TX ABILENE	103	75	107	70	89	4	.7	.2	.7	2.8	59	13.0	99	71	20	7	0	1	1		
AMARILLO	98	64	104	58	81	2	.2	.4	.3	5.4	89	12.3	105	82	23	7	0	1	0		
AUSTIN	99	75	101	74	87	2	.0	.4	.0	3.0	53	19.8	106	91	38	7	0	0	0		
BEAUMONT	95	74	97	70	84	1	.7	1.2	.0	12.6	118	32.3	103	100	59	7	0	1	0		
BROWNSVILLE	95	77	98	75	86	1	.0	.4	.0	1.5	32	3.0	28	98	51	7	0	0	0		
CORPUS CHRISTI	97	76	99	73	87	2	.0	.5	.0	3.0	53	13.9	91	95	44	7	0	0	0		
DEL RIO	105	79	107	76	92	8	.0	.4	.0	1.0	22	6.9	50	72	36	7	0	0	0		
EL PASO	104	69	108	66	87	4	.0	.4	.0	2.0	96	3.6	98	26	8	7	0	0	0		
FORT WORTH	98	77	105	75	88	4	.8	.4	.8	2.2	3	10.1	133	77	41	7	0	1	1		
GALVESTON	92	81	95	76	87	3	.7	.9	.7	5.2	51	24.3	82	90	47	7	0	1	0		
HOUSTON	99	78	103	72	88	5	.2	.7	.2	5.2	71	75.1	77	75	17	7	0	0	0		
LUBBOCK	102	71	106	65	87	7	.7	.5	.7	3.0	61	7.2	111	68	14	7	0	0	0		
MIDLAND	105	73	106	70	89	7	.0	.4	.0	3.7	124	8.2	111	68	14	7	0	0	0		
SAN ANGELO	106	76	108	72	91	8	.7	.2	.7	1.4	42	12.6	117	69	19	7	0	0	0		
SAN ANTONIO	100	76	103	75	88	3	.7	.4	.7	5.4	92	13.9	79	86	32	7	0	1	0		
VICTORIA	98	77	102	75	87	4	.0	.9	.0	3.7	43	16.2	67	95	39	7	0	0	0		
WACO	100	77	103	74	88	2	.0	.4	.0	2.2	42	22.8	120	83	34	7	0	0	0		
WICHITA FALLS	101	72	107	69	87	2	.3	.1	.2	5.9	107	15.8	85	84	38	7	0	0	0		
UT CEDAR CITY	94	58	98	53	76	1	.0	.3	.0	1.6	111	7.8	125	37	11	6	0	0	0		
SALT LAKE CITY	96	61	106	56	79	0	.0	.2	.0	1.8	106	12.8	129	57	14	6	0	0	0		
VT BURLINGTON	86	68	92	63	77	6	.7	1.1	.3	4.3	63	12.9	70	95	85	2	0	5	0		
VA NORFOLK	96	78	99	77	87	9	.7	1.2	.7	5.5	64	18.9	72	86	49	7	0	2	1		
RICHMOND	96	73	99	71	84	6	.5	.7	.5	4.7	57	18.3	73	89	10	7	0	2	1		
ROANOKE	89	69	92	67	79	3	1.0	.0	.9	12.7	185	28.5	123	89	52	4	0	4	2		
WA QUILLAYUTE	68	53	73	46	61	1	1.8	1.3	1.0	5.8	105	48.0	84	96	65	0	0	2	2		
SEATTLE-TACOMA	75	57	81	53	66	0	.4	.2	.4	2.8	126	19.2	100	82	45	0	0	1	0		
SPOKANE	81	54	90	50	68	-2	.7	1.1	.7	3.2	171	13.7	145	74	25	1	0	1	0		
YAKIMA	85	52	91	48	69	-2	.1	.0	.1	1.0	146	5.5	128	69	32	2	0	1	0		
WV BECKLEY	83	67	86	62	75	5	1.7	.7	.8	8.3	100	25.9	104	92	60	0	0	6	2		
CHARLESTON	89	69	92	67	79	4	1.4	.2	.6	7.9	95	28.3	113	99	54	2	0	6	1		
KNOXINGTON	90	70	92	68	80	6	1.0	.2	.3	7.9	97	27.3	107	93	53	5	0	4	0		
PARKERSBURG	91	69	93	65	80	5	1.2	.2	1.1	5.5	70	..	..	97	48	5	0	3	1
WI GREEN BAY	87	63	90	58	75	5	.3	.4	.3	2.7	43	10.8	69	86	41	2	0	3	0		
LACROSSE	89	66	92	65	78	4	..	..	..	..	..	17.3	99	96	40	3	0	..	..
MADISON	88	65	91	63	77	5	.7	.2	.3	5.5	74	17.9	99	91	50	3	0	3	0		
MILWAUKEE	82	67	90	64	75	3	.8	1.1	.5	3.5	53	14.8	80	95	62	1	0	3	0		
WAUSAU	83	62	87	57	73	2	.7	.9	.7	5.7	75	12.0	67	90	43	0	0	3	0		
WY CASPER	93	52	101	48	73	1	.0	.3	.0	4.0	151	14.3	169	65	14	5	0	0	0		
CHEYENNE	88	54	95	50	71	2	.7	1.5	.7	5.6	139	14.4	150	62	15	4	0	0	0		
LANDER	89	55	97	49	72	0	.0	.2	.0	3.7	166	14.7	166	50	13	3	0	0	0		
SHERIDAN	91	51	103	48	71	0	.1	.0	.1	4.4	144	12.2	128	82	25	4	0	1	0		
PR SAN JUAN	89	78	91	75	84	1	2.1	1.0	.9	9.6	119	30.4	121	87	68	3	0	5	2		

Based on 1961-90 normals.

National Agricultural Summary

July 24 - 30, 1995

HIGHLIGHTS: Beneficial rains early in the week allowed crops in the central Corn Belt to tolerate the late-week heat, but more rain was needed. 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 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. Part of the Southeast reported four consecutive weeks of below average precipitation. In the Pacific Northwest, favorable weather allowed harvest activity to make good progress. Pastures continued to deteriorate from the heat and dry conditions and were in critical need of rain. Tropical Storm Dean brought much needed rains to the Texas Coastal region late in the week.

The winter wheat crop in the 19 major producing States was 83 percent (%) harvested, 1 percentage point behind the 5-year average. Hot weather accelerated wheat maturity and brought the wheat harvest close to completion in the Midwest. The wheat harvest made good progress in Nebraska, with better than average yields reported. Harvest activity advanced rapidly in Michigan and South Dakota, where wheat harvested was 46% complete, up 30 points from last week, 17 points behind the average.

Spring wheat condition was rated as good to fair, with 90% of the acreage headed, 9 points behind normal. Small grain development in North Dakota advanced rapidly, with 83% of the acreage headed, 16 points behind normal. Spring wheat headed neared completion in Montana and Idaho, advancing 4 points from the previous week.

Corn condition for the 17 major producing States was in mostly good to fair condition, with 58% of the acreage in the silking stage or beyond, 11 points behind normal. Corn acreage silked remained behind the average despite rapid development triggered by the hot weather. Continued summer heat and dry soil conditions, despite scattered showers across the Corn Belt, raised producers' concern for pollinating corn. Corn borer problems were reported in Iowa, where corn silking was 60% complete, up 46 points from last week and 6 points behind the average. Corn silking was over 45 points behind the average in Kansas and Nebraska, where high temperatures and dry soils stressed the crop. Corn condition in Illinois, Indiana, and Iowa improved slightly due to rains received late in the week.

Cotton setting bolls was 72% complete, up 15 points from last week and 2 points ahead of the average for the Nation. Cotton condition declined in Oklahoma from a week ago due to the continued hot weather and dry soil conditions. Warm weather boosted cotton growth in California, where 75% of the cotton acreage was setting bolls, up 35 points from last week but 8 points behind the average. Cotton setting bolls in Missouri and Oklaho-

ma increased from last week by 35 and 36 points, respectively. Cotton producers in the Southeast were scouting fields for insects and applying insecticides, while some disease problems were reported in the Delta. Extreme hot weather in Texas stressed dryland cotton, but irrigated fields were reported in good condition.

Sorghum condition was mostly good to fair with 33% of the sorghum acres headed, 9 points behind normal. Sorghum headed in Nebraska was 27 points behind the average. Sorghum development in the Midwest lagged behind normal due to a late spring planting and the hot, dry weather. Early-planted grain sorghum fields matured rapidly across the South as the summer heat increased, with 22% of the sorghum acreage turning color, 2 points ahead of the average. Harvest activities in Texas increased. Crop condition improved in Texas due to beneficial rains late in the week from Tropical Storm Dean.

Rice condition was mostly good, with 45% of the crop headed. Rice fields in California were treated for weeds and insects. Rice producers in Arkansas were treating fields for black sheath rot and rice blast. Rice headed in Mississippi was 64% complete, up from last week and ahead of the average by 22 points. Rice harvested in Louisiana was 23% complete, 11 points ahead of the average. Rice condition improved for the major producing States, with California rice rated as good to excellent increased from last week by 20 points.

Soybean condition was mostly good to fair, with 60% of the crop blooming, 7 points behind the average. Soybean blooming was over 20 points behind the average in Illinois, Kansas, and Missouri. Much needed beneficial rains in the Midwest improved soybean condition. Soybean producers in Arkansas were spraying soybean fields for armyworms. Dry soil conditions and hot weather caused soybean blooms to drop in the Ohio Valley. Soybean condition declined from last week in Louisiana, where rain was needed for pod development. Soybean crop condition was varied across the Great Lakes with fields that received rain showing great improvement but bypassed fields remaining dry and stressed.

Selected State Crop Reports Now on the Web

USDA's National Agricultural Statistics Service (NASS) has made a number of State crop reports available on their Internet Web site. These are expanded versions of the reports found in the *Weekly Weather and Crop Bulletin (WWCB)*. To access the reports, point your Web browser to <http://www.usda.gov/nass/>. Select "NASS Publications" from the home page and then "Weekly Crop Weather--State Statistical Office Reports and U.S. Map." Most of the reports, which currently cover 15 States, are updated on Monday evening. In addition, there is a U.S. map depicting, by State, topsoil moisture and days suitable for fieldwork.

For more information on electronic access of additional material found in the *WWCB*, see Vol. 82, No. 21, May 24, 1995, page 23.

Crop Progress and Condition

Week Ending July 30, 1995

Winter Wheat Percent Harvested				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	97	99	98
CO	83	45	99	92
GA	100	100	100	100
ID	7	2	24	14
IL	99	99	99	96
IN	100	99	100	95
KS	100	98	100	97
MI	88	53	76	77
MO	100	99	100	95
MT	1	0	8	5
NE	84	51	100	87
NC	95	89	100	100
OH	100	98	100	91
OK	100	100	100	100
OR	23	9	53	38
SD	46	16	92	63
TX	98	96	100	100
WA	24	7	54	31
ALL	83	74	89	84

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

Soybeans Percent Blooming				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
AL	52	34	54	46
AR	42	29	52	35
GA	65	44	60	55
IL	52	32	86	80
IN	72	48	91	82
IA	77	62	97	76
KS	23	7	84	58
KY	43	28	59	55
LA	75	74	76	60
MI	81	47	57	58
MN	89	55	96	75
MS	77	62	77	55
MO	17	10	72	57
NE	56	15	93	71
NC	35	20	39	34
OH	75	57	87	80
SC	34	21	35	35
SD	50	40	82	63
TN	49	27	48	36
ALL	60	40	81	67

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

Cotton Percent Setting Bolls				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
AL	89	72	72	79
AZ	77	70	97	96
AR	94	74	89	87
CA	75	40	86	83
GA	94	84	91	89
LA	100	96	98	92
MS	97	82	95	84
MO	85	50	88	83
NM	53	*43	86	71
NC	79	53	80	75
OK	42	6	61	45
SC	73	60	68	78
TN	90	70	90	71
TX	50	41	58	51
ALL	72	57	76	70

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

Rice Percent Headed				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
AR	33	13	47	20
CA	2	1	1	3
LA	77	61	70	70
MS	64	42	57	42
TX	84	73	88	77
ALL	45	30	50	36

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

Rice Percent Harvested				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
AR	0	NA	0	0
CA	0	NA	0	0
LA	23	NA	13	12
MS	0	NA	0	0
TX	10	NA	17	11
ALL	6	NA	4	4

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

Sorghum Percent Headed				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
AR	80	58	84	65
CO	0	0	16	15
IL	3	2	49	40
KS	2	1	47	21
LA	85	83	90	86
MS	87	70	89	80
MO	27	16	61	44
NE	2	0	66	29
NM	13	0	17	19
OK	15	10	51	35
SD	10	3	33	15
TX	85	81	79	75
ALL	33	29	60	42

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

Sorghum Percent Coloring				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
AR	7	4	35	19
CO	0	0	0	0
IL	0	0	7	5
KS	0	0	0	0
LA	35	30	40	40
MS	30	22	47	38
MO	0	0	8	4
NE	0	0	1	0
NM	0	0	0	0
OK	3	2	8	7
SD	0	0	1	0
TX	72	68	65	61
ALL	22	21	22	20

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

Spring Wheat Percent Headed				
	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
ID	96	92	99	97
MN	99	98	99	99
MT	96	92	100	97
ND	83	65	97	99
SD	100	98	100	100
ALL	90	80	98	99

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

Crop Progress and Condition

Week Ending July 30, 1995

Corn Percent Silking

	Jul 30 1995	Prev Week	Prev Year	5-Yr Avg
CO	5	1	70	48
GA	100	100	100	100
IL	72	46	97	87
IN	68	42	93	82
IA	60	14	96	66
KS	45	25	98	90
KY	85	71	90	83
MI	71	24	65	49
MN	65	42	84	45
MO	41	29	87	76
NE	31	3	95	77
NC	96	94	99	97
OH	65	35	78	71
PA	60	37	56	44
SD	9	0	74	45
TX	93	87	88	90
WI	57	20	71	42
ALL	58	30	89	69

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

Soybeans Crop Condition by Percent

State	VP	P	F	G	EX
AL	2	11	44	40	3
AR	0	3	25	55	17
GA	0	8	56	34	2
IL	2	12	41	41	4
IN	1	5	39	48	7
IA	1	8	30	47	14
KS	0	2	31	63	4
KY	0	4	29	52	15
LA	1	6	44	45	4
MI	1	4	18	49	28
MN	1	7	28	47	17
MS	3	8	26	47	16
MO	2	19	39	37	3
NE	4	21	45	28	2
NC	1	5	30	59	5
OH	2	7	28	48	15
SC	0	1	15	71	13
SD	1	7	37	47	8
TN	0	2	18	62	18
ALL	1	9	33	47	10
Prev Wk	1	10	35	45	9
Prev Yr	0	1	19	63	17

Corn Crop Condition by Percent

State	VP	P	F	G	EX
CO	1	2	30	52	15
GA	1	12	46	41	0
IL	3	10	38	45	4
IN	1	5	35	51	8
IA	1	6	23	52	18
KS	0	3	37	52	8
KY	1	6	31	52	10
MI	1	4	16	47	32
MN	1	3	23	48	25
MO	2	15	43	32	8
NE	3	11	36	46	4
NC	1	4	15	63	17
OH	2	8	26	48	16
PA	2	3	12	55	28
SD	1	7	37	46	9
TX	1	6	27	51	15
WI	2	5	19	55	19
ALL	2	7	30	48	13
Prev Wk	1	8	31	48	12
Prev Yr	1	2	12	56	29

Cotton Crop Condition by Percent

State	VP	P	F	G	EX
AL	2	10	65	23	0
AZ	0	16	33	32	19
AR	0	3	23	52	22
CA	0	0	5	90	5
GA	0	16	55	29	0
LA	0	6	23	54	17
MS	2	8	21	57	12
MO	3	5	31	45	16
NM	1	1	12	71	15
NC	1	15	30	43	11
OK	6	12	17	62	3
SC	0	0	47	53	0
TN	0	1	13	59	27
TX	3	11	36	40	10
ALL	2	9	30	48	11
Prev Wk	1	10	28	52	9
Prev Yr	0	3	30	58	9

Sorghum Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	2	22	65	11
CO	1	1	57	35	6
IL	1	7	39	52	1
KS	0	3	26	65	6
LA	0	5	42	47	6
MS	0	6	26	61	7
MO	2	7	42	44	5
NE	2	17	51	29	1
NM	1	5	72	21	1
OK	0	3	13	84	0
SD	0	7	48	42	3
TX	1	6	30	39	24
ALL	1	6	34	49	10
Prev Wk	2	7	34	50	7
Prev Yr	0	3	25	65	7

Spring Wheat Crop Condition by Percent

State	VP	P	F	G	EX
ID	0	1	8	56	35
MN	2	20	43	35	0
MT	2	7	19	42	30
ND	1	8	25	60	6
SD	2	7	37	44	10
ALL	1	9	27	52	11
Prev Wk	1	6	28	54	11
Prev Yr	1	7	33	49	10

Rice Crop Condition by Percent

State	VP	P	F	G	EX
AR	0	2	20	56	22
CA	0	0	20	80	0
LA	0	2	21	69	8
MS	0	11	15	56	18
TX	0	0	5	52	43
ALL	0	2	18	62	18
Prev Wk	0	2	21	59	18
Prev Yr	0	0	20	73	7

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

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 0.13 to 2.20 in. north; none to 1.87 in. central; 0.34 to 2.47 in. south. Temperatures 2° below normal to 7° above normal statewide. Lows 62 to 68° north, 67 to 72° central; 64 to 72° south. Highs 91 to 100° north, 94 to 102° central; 93 to 98° south.

Days suitable for fieldwork 6.2. Topsoil 32% very short, 36% short, 32% adequate. Corn dented 87%, 64% 1994, 69% avg.; mature 44%, 27% 1994, 37% avg.; 14% very poor, 12% poor, 56% fair, 16% good, 2% excellent. Sorghum 7% very poor, 26% poor, 48% fair, 19% good. Peanuts pegged 86%, 64% 1994, 85% avg.; 3% very poor, 4% poor, 48% fair, 45% good. Livestock 1% very poor, 16% poor, 55% fair, 26% good, 2% excellent. Activities: Cultivating, spraying crops. General care of livestock, poultry, catfish.

ALASKA: Cloudy skies dominated weather picture for most of State.

Days suitable for baling hay 2. Soil moisture 20% short, 80% adequate. First crop hay harvest 60% complete, 90% 1994. Crop growth was 25% slow, 50% moderate, 25% rapid. Barley 55% in dough, 40% turning color, 5% ripe; 25% fair, 70% good, 5% excellent. Oats 100% in dough. Commercial potatoes 60% in bloom, 70% 1994.

ARIZONA: Temperatures 6° below to 6° above normal. Extremes 38°; 107° higher elevations; 53°; 125° deserts. Grand Canyon station 0.02 in. precipitation.

High temperatures, monsoons continue across State. Alfalfa yields showing greatest effect at this point; 29% fair, 49% good, 22% excellent. Harvest 41% moderate, 54% active, 5% between cuttings. Harvest of cantaloupe, honeydew, carrots, green onions, cabbage, watermelon continued central areas. Western growers shipped honeydews. Tomatoes available eastern areas growers. Citrus harvest nearing completion western, central groves. Grape harvest continued central areas. Intense summer heat, lack of significant precipitation caused rangeland, pastures to deteriorate rapidly since last month. Grazing conditions very poor lower elevations to good higher elevation. Early July precipitation alleviated some of dry conditions, record breaking temperatures, below normal precipitation by late July had deleterious effects on pastures. Cattle, calves remained fair to good condition. Stock water supplies rated short to adequate, soil moisture remained mostly short. Increased grasshopper populations reported some areas. Insect damage, however, was rated light.

ARKANSAS: Seasonably hot temperatures, scattered showers, thunderstorms first part of week, heaviest in northern corners of State. Extremes 62°; 103°. Precipitation none to 3.75 in.

Days suitable for fieldwork 6. Soil moisture 42% short, 50% adequate, 8% surplus. Lafayette county reported producers spraying for armyworms in soybean fields. Several counties reported producers treating rice fields for sheath blight, rice blast. Tomato market in Cleburne county moving 2,000 boxes of tomatoes per day. Bradley county reported close of tomato market. Peach harvest ongoing in several counties. Watermelon harvest continued in Hempstead county. Vegetables were being harvested in Faulkner county. Heat stress caused a higher than normal death rate for poultry across the State. Hay harvest continued. Insect, parasite treatment of cattle statewide. Anaplasmosis reported in some herds in Little River county.

CALIFORNIA: Stable weather, near normal temperatures. Offshore low pressure center moved inland late week, triggering thundershowers over mountains, dropping trace amounts rainfall, Central Valley. Field activities, good progress, clear skies, most areas. Small grain harvest virtually complete, except higher elevations. Small grain stubble, burned or disced, preparation second crop plantings. Rice treated for weeds, insects. Sugar beets harvested, Fresno County. Corn sprayed for mites. Corn silage harvest underway, Tulare County. Cotton grew well, warmer temperatures; development remained behind normal. Fields treated for aphids, lygus, mites. Safflower drying for harvest, central, southern counties. Black eye beans matured rapidly, southern San Joaquin Valley. Alfalfa, Sudan grass, cut for hay. Some alfalfa fields

sprayed for armyworms, weevils. Grape growers irrigated vineyards, treated mildew, mites, leafhoppers. Harvest, Thompson Seedless, Perlette, Flame Seedless, Superior Seedless table grapes, active, Kern County. Stone fruit harvest continued, central, southern regions. Gravenstein apple harvest began, Sonoma county. Gala harvest continued, San Joaquin Valley. Apple orchards sprayed for codling moth, mites. Walnut orchards sprayed for codling moth, husk fly. Bartlett pear picking continued, Sacramento area. Almond orchards treated for Peach Twig Borer, Navel Orange Worm, mites. Valencia orange, grapefruit, avocado harvests continued. Navel oranges treated for red scale. Blueberry harvest, full swing, Sonoma county. Olive set indicated small crop. Harvested broccoli, cauliflower, Monterey, San Luis Obispo counties. Carrots harvested, Kern county. Harvested 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. Onions harvested, San Joaquin Valley. Bell peppers harvested, desert areas, San Joaquin Valley. Harvest spring potatoes, Kern county, winding down. Fall potatoes, Tulelake-Butte Valley area progressing well. Sweet corn, harvested, Sacramento, San Joaquin valleys, desert areas. Sweet potatoes, Merced county, treated for worms. Harvested fresh market tomatoes, Sacramento, San Joaquin valleys. Harvest, processing tomatoes, picked up speed, San Joaquin Valley. Other crops harvested: Oriental vegetables, cherry tomatoes, eggplant, gourds, green beans, green onions, okra, radishes, peas, squash, spinach, tomatillos, turnips, zucchini. Pasture conditions varied depending on location, elevation. Mountain pastures, very good condition. Lower rangeland pastures, very dry, fair condition. Most cattle, moved to upper elevation rangelands, into feedlots, or onto irrigated pastures. Supplemental feeding, light. Cattle, sheep, good condition.

COLORADO: Temperatures 5 to 10° above normal, high pressure anchored itself over the State. Some thunderstorms occurred, spread small hail and brief heavy rain over the northeast part of the State on the 29th, 30th.

Days suitable for fieldwork 6.4. Topsoil 4% very short 24% short, 69% adequate, 3% surplus. Subsoil 2% very short, 18% short 76% adequate, 4% surplus. Winter wheat 97% ripe, 100% 1994, 99% avg. Spring wheat 92% headed, 98% 1994, 96% avg.; 27% turning color, 72% 1994, 50% avg.; 1% harvested, 16% 1994, 11% avg.; 7% poor, 12% fair, 68% good, 13% excellent. Spring barley 51% turning color, 66% 1994, 78% avg.; 7% harvested, 25% 1994, 29% avg.; 6% poor, 16% fair, 62% good, 16% excellent. Oats 60% turning color, 94% 1994, 77% avg.; 20% harvested, 60% 1994, 42% avg.; 9% poor, 24% fair, 57% good, 10% excellent. Dry onions 1% very poor, 2% poor, 11% fair, 59% good, 27% excellent. Sugar beets 1% poor, 30% fair, 49% good, 20% excellent. Summer potatoes 0% harvested, 6% 1994, 3% avg.; 1% very poor, 2% poor, 14% fair, 60% good, 23% excellent. Fall potatoes 8% poor, 18% fair, 62% good, 12% excellent. Dry beans 31% flowered, 61% 1994, 46% avg.; 1% very poor, 1% poor, 26% fair, 55% good, 17% excellent. Alfalfa 45% 2nd cutting, 72% 1994, 54% avg.; 3% poor, 21% fair, 66% good, 10% excellent. Livestock mostly in good to excellent.

DELAWARE: Precipitation 2.06 in., normal 0.98 in. Temperature 82.3°, normal 77.0°. Extremes 70°; 92°. High temperatures in the low 90s. Lows in the low to mid 70s.

Days suitable for fieldwork 6.7. Topsoil 16% very short, 64% short, 20% adequate. Subsoil 10% very short, 68% short, 22% adequate. Corn 9% very poor, 14% poor, 40% fair, 37% good; 86% silked; 82% 1994; 89% avg.; 26% dough, 15% 1994, 16% avg. Soybeans 3% very poor, 6% poor, 36% fair, 55% good; 50% bloomed, 43% 1994, 36% avg.; 10% setting pods, 6% 1994, 5% avg. Sorghum 13% poor, 28% fair, 59% good; 35% headed, 36% 1994, 26% avg. Other hay 94% 2nd cutting, 73% 1994, 73% avg.; 39% 3rd cutting, 11% 1994, 9% avg. Alfalfa hay 42% 3rd cutting, 40% 1994, 27% avg. Cantaloupes 34% harvested, 38% 1994, 43% avg. Potatoes 52% harvested, 28% 1994, 29% avg. Sweet corn 34% harvested, 55% 1994, 45% avg. Tomatoes 18% harvested, 30% 1994, 23% avg. Watermelons 12% harvested, 15% 1994, 21% avg. Apples 12% fair,

88% good. Peaches 8% fair, 92% good; 31% harvested, 46% 1994, 45% avg. Hay supply adequate. Vegetable harvest, haymaking.

FLORIDA: Temperature 2 to 4° above normal Panhandle, Big Bend, 1 to 3° below normal elsewhere. Lows: 70 north, low 70s elsewhere. Highs: near 100° Panhandle, middle 90s rest of State. Showers, thunderstorms on 4 to 7 days of week. Rainfall 2.00 to 4.00 in.

Soil moisture surplus southern Peninsula, other areas of State mostly adequate. Haying delayed by rain. Tobacco harvesting, marketing active. Corn for grain harvest active. Cotton, peanuts, soybeans, sugarcane making good growth. Tobacco budworm control problems in cotton. Vegetable producers preparing fields for fall plantings between showers. Northern growers continued tomato transplanting. A few east coast producers started very limited seeding of fall vegetables. Most southern growers waiting to begin vegetable plantings after threat of tropical storms passes. Heavy rains in all citrus areas, limited problems with excessive moisture. Growers ditching to move standing water. Abundant new growth with near ideal growing conditions. New crop fruit progressing well. Very little new crop droppage to date. Caretakers cutting cover crops, dead tree removal, replanting most areas. Spraying, fertilizing continue. Cattle fair 15%, good 85%.

GEORGIA: Temperatures 1 to 6° above normal. Warmest mid 90s to low 100s except few low 90s mountains. Coolest upper 60s to low 70s except mid 60s mountains. Rain 1 to 3 days north, 3 to 6 days central, south. Rain totals varied widely, some stations under 1.00 in. while others between 2.00 to 4.00 in. Greatest amount 3.97 in. at Albany.

Days suitable for fieldwork 5.6. Soil moisture 26% very short, 47% short, 25% adequate, 2% surplus. Scattered showers more widespread southern half, overall row crops slightly improved. High temperatures adding stress, quickly drying soils. Scouting, controlling pests in cotton, peanuts main activities. Corn grain harvest progressing well, some silage harvest. Pastures, hay crops north suffering badly. Poultry losses increasing. Some feeding hay. Corn 99% dough, 99% 1994, 97% avg.; 94% dent, 94% 1994, 89% avg.; 72% mature, 63% 1994, 53% avg.; 9% harvested for grain, 4% 1994, 5% avg. Hay 4% very poor, 31% poor, 41% fair, 23% good, 1% excellent. Peanuts 10% poor, 63% fair, 27% good; 100% pegging, 100% 1994, 99% avg. Sorghum 12% poor, 60% fair, 28% good. Soybeans 38% setting pods, 37% 1994, 27% avg. Tobacco 5% poor, 74% fair, 21% good; 63% harvested, 60% 1994, 57% avg. Watermelons 7% very poor, 41% poor, 33% fair, 19% good; 97% harvested, 94% 1994, 93% avg. Other vegetables 1% very poor, 10% poor, 70% fair, 19% good. Apples 1% poor, 21% fair, 78% good; 5% harvested, 7% 1994, 9% avg. Peaches 4% very poor, 1% poor, 51% fair, 44% good; 95% harvested, 97% 1994, 95% avg. Pecans 14% poor, 69% fair, 17% good. Cattle 4% poor, 53% fair, 42% good, 1% excellent. Hogs 1% poor, 47% fair, 50% good, 2% excellent. Activities: Spraying cotton, peanuts. Some hay harvest. Harvesting corn, tobacco. Caring for heat stressed livestock, poultry.

HAWAII: Partly cloudy. Precipitation light to moderate, generally windward areas of all islands. Heavier rains during midweek, remnants of former Hurricane Cosme. Leeward areas mostly hot, dry, with occasional shower drifts. Winds moderate at 15 to 30 mph. Temperatures low 70s to low 90s. Rainfall varied none to 5.70 in.

Rains benefitted windward crop areas, leeward areas remained relatively dry, irrigation active. Banana production moderate. Papaya production light. Hot temperatures slowed crop progress some vegetables.

IDAHO: Temperatures 7° below normal to 3° above normal. Precipitation none to 0.15 in. north, none in the southwest, none to 0.01 in. south central, none to 0.45 in. southeast. Extremes 43°; 105°.

Days suitable for fieldwork 7. Topsoil 23% short, 76% adequate, 1% surplus. Irrigation water supplies 1% fair, 37% good, 62% excellent. Alfalfa hay second cutting 42%, 57% 1994, 46% avg. Dry peas harvested 17%, 32% 1994, 15% avg. Mint first cutting 20%, 57% 1994, 37% avg. Oats harvested 3%, 22% 1994, 16% avg. Peaches harvested 16%, 47% 1994, 37% avg. Potatoes 12 in. high 99%, 100% 1994, 98% avg.; closing middles 82%, 93% 1994, 82% avg.; turning 2%, 15% 1994, 8% avg.; 1% poor, 16% fair, 69% good, 14% excellent. Spring barley headed 96%, 99% 1994, 97% avg.; turning color 42%, 87% 1994, 58% avg.; harvested 2%, 12% 1994, 7% avg.; 1% poor, 8% fair, 48% good, 43% excellent. Spring wheat turning color 55%, 86% 1994, 55% avg. Winter wheat turning color 98%, 97% 1994, 87% avg.; harvested 7%, 24% 1994, 14% avg.; 1% poor, 8% fair, 58% good, 33% excellent.

Activities: Irrigating, fertilizing, applying pesticides, checking potato fields for late blight, applying preventative fungicides, harvesting winter wheat, barley, cutting mint, cutting alfalfa.

ILLINOIS: Heat, humidity gradually returned with high temperatures in low to mid 90s statewide by weekend. Widely scattered thunderstorms on many days during week before turning dry 29th, 30th. Temperatures 1 to 8° above normal. Highs were generally in upper 80s. Lows were mainly in mid 60s to low 70s. Rainfall below normal in most areas. Scattered areas picked up over 1.00 in. of rain from storms, most rain 0.25 to 0.75 in. Most of State received below normal rainfall for past 4 weeks.

Days suitable for fieldwork 5.0. Topsoil 7% very short, 31% short, 58% adequate, 4% surplus. Corn, soybean crop conditions improved slightly due to rains received late in week. Corn 8% dough, 36% 1994, 31% avg.; less than 1% dented, 3% 1994, 5% avg. Soybeans 8% setting pods, 46% 1994, 41% avg. Oats 95% turning yellow, 100% 1994, 97% avg.; 76% ripe, 97% 1994, 86% avg.; 43% harvested, 84% 1994, 59% avg. Alfalfa 86% second cutting, 94% 1994, 85% avg.; 8% third cutting, 18% 1994, 16% avg.; 2% very poor, 4% poor, 32% fair, 51% good, 11% excellent.

INDIANA: Heat, humidity gradually returned to State during week with high temperatures back in 90s by weekend. Widely scattered thunderstorms occurred mainly during first half of week. Week 2 to 6° warmer than normal. High temperatures were in mid 80s to lower 90s. Lows in mid 60s to low 70s. Hottest daily temperatures mid 90s on 30th. Rainfall below normal in most areas. Totals under 0.10 in. to over 2.00 in. at Farmland, Winamac. Most rain amounts, however, 0.50 in. or less. Most of State has received below normal rainfall for past 4 weeks.

Days suitable for fieldwork 4.7. Topsoil 3% very short, 28% short, 64% adequate, 5% surplus. Subsoil 3% very short, 26% short, 67% adequate, 4% surplus. Many areas received rain, which helped improve crop conditions. Alfalfa second cutting 75% complete, 93% 1994, 81% avg. Cutting of mint is underway in northern areas of State.

IOWA: Hot and humid, temperatures 3 to 4° above normal. Extremes 54° (northwest, 26th); 100° (southwest, 27th). Locally heavy thunderstorms southwest, northeast corners, little rain elsewhere. Rain none to 3.73 in. extreme northeast; average 0.40 in. (normal 0.89 in.).

Days suitable for fieldwork 5.5. Topsoil short 22%, adequate 75%, surplus 3%. Subsoil short 12%, adequate 81%, surplus 7%. Hot, dry conditions last week aided State crop progress as most crop development stages, fieldwork activities are gaining on or surpassing their respective five year averages. Crops are starting to show a few signs of stress due to heat, lack of moisture. Storms over past week caused significant hail damage to crops in several districts. Corn tasseling 77%, 99% 1994, 79% avg.; pollination is going well, hot weather during pollination period is causing some concern. Corn borer problems continue to be reported. All hay 6% poor, 34% fair, 54% good, 6% excellent; alfalfa hay second cutting 68%, 88% 1994, 68% avg. Alfalfa fields being treated for potato leaf hoppers as they continue to do considerable economic damage to second crop alfalfa hay. Clover hay second cutting 24%, 54% 1994, 42% avg. Oats 1% very poor, 15% poor, 40% fair, 37% good, 7% excellent; harvested 61%, 86% 1994, 64% avg. Winter wheat harvested 95%, 96% 1994, 80% avg. Heat, humidity once again causing stress on livestock with some death loss reported last week. Flies continue to be a problem for livestock.

KANSAS: Temperatures near to 3° above normal. Precipitation relatively light with greatest amounts across southern tier of districts.

Days suitable for fieldwork 5.7. Soil moisture remains short in some areas. Topsoil 1% very short, 29% short, 65% adequate, 5% surplus. Subsurface 1% very short, 11% short, 86% adequate, 2% percent surplus. Wheat harvest is finished. Because of late planting, cool, wet weather during May, June, fall crops are behind schedule. Alfalfa cut the second time 99%, 100% 1994, 94% avg. Cut the third time 20%, 53% 1994, 35% avg. Farmers were busy the past week putting up hay, finishing harvesting wheat, working wheat ground. Heat is stressing livestock, limiting gains.

KENTUCKY: Temperatures very warm, 3 to 8° above normal. Highs around 90°, many locations saw highs in mid 90s over weekend. Lows dipped into mid to upper 60s. Rainfall quite variable, ranging 0.25 in. or less in few locations to isolated amounts around 2.00 in. Rainfall widespread early in week, spotty amounts latter half. Rainfall most locations averaged 0.25 to 0.75 in. below normal.

Days suitable fieldwork 4.5. Topsoil 7% very short, 28% short, 60% adequate, 5% surplus. Subsoil short to adequate. Heat stressed corn,

soybeans, especially where moisture short. Row crops in wide range of development stages. Earliest corn denting, latest not yet tasseling. Heat causing blooms to drop on soybeans. Tobacco 2% very poor, 11% poor, 41% fair, 41% good, 5% excellent. Burley 50% blooming or beyond, 25% topped. Earliest tobacco, some blue mold damaged tobacco being cut. Heat minimizing spread of blue mold, lower leaves show considerable damage some fields. Dark tobacco 60% topped. Pastures need additional rain. Some apple varieties show heavy drop. Hot weather stressing livestock, reducing weight gains.

LOUISIANA: Temperatures 2 to 3° above normal. Extremes 68°; 103°. Rainfall 0.32 in. south-central to 2.17 in. southeast.

Days suitable for fieldwork 6.4. Soil moisture 12% very short, 41% short, 44% adequate, 3% surplus. Corn 1% very poor, 13% poor, 35% fair, 46% good, 5% excellent; 100% dough stage, 98% 1994, 98% avg.; 63% mature, 62% 1994, 67% avg.; 4% harvested, 6% 1994, 7% avg. Corn producers were busy harvesting. Cotton 0% open bolls, 0% 1994, 0% avg. Cotton producers reported problems with disease in some areas. Hay 56% second cutting, 18% 1994, 16% avg. Hay yields reduced by dry weather. Peaches 85% harvested, 91% 1994, 89% avg. Rice 39% ripe, 19% 1994, 25% avg. Rice harvest progressed nicely with early yields looking favorable. Sorghum 7% ripe, 7% 1994, 10% avg.; 0% harvested, 0% 1994, 1% avg. Soybeans 43% setting pods, 45% 1994, 32% avg. Soybeans need rain to aid pod development. Sugarcane 4% poor, 32% fair, 47% good, 17% excellent. Sugarcane continued to show effects of dry weather. Sweet potatoes 2% poor, 18% fair, 71% good, 9% excellent; 1% harvested, 2% 1994, 5% avg. Vegetables 8% very poor, 18% poor, 37% fair, 35% good, 2% excellent. Livestock 5% poor, 24% fair, 60% good, 11% excellent. Broilers were still under extreme stress from the heat. Pasture conditions deteriorated due to dry weather.

MARYLAND: Precipitation 0.65 in., normal 0.92 in. Temperature 82.1°, normal 76.1°. Extremes 62°; 97°. Low temperatures in the upper 60s to low 70s. Highs were mainly in the 90s.

Days suitable for fieldwork 6.7. Topsoil 8% very short, 51% short, 41% adequate. Subsoil 9% very short, 33% short, 58% adequate. Winter wheat 100% harvested, 99% 1994, 99% avg. Rye 2% poor, 11% fair, 87% good; 96% harvested, 94% 1994, 95% avg. Corn 3% very poor, 11% poor, 31% fair, 38% good; 17% excellent; 79% silked, 78% 1994, 76% avg.; 18% dough, 13% 1994, 24% avg. Soybeans 8% poor, 39% fair, 49% good, 4% excellent; 44% bloomed, 36% 1994, 41% avg, 5% setting pods, 7% 1994, 10% avg. Sorghum 14% poor, 48% fair, 35% good, 3% excellent; 31% headed, 26% 1994, 32% avg. Tobacco 25% fair, 67% good, 8% excellent; 61% bloomed, 44% 1994, 42% avg. Other hay 67% 2nd cutting, 75% 1994, 59% avg.; 6% 3rd cutting, 8% 1994, 5% avg. Alfalfa hay 95% 2nd cutting, 98% 1994, 95% avg.; 29% 3rd cutting, 40% 1994, 35% avg. Cantaloupes 40% harvested, 48% 1994, 44% avg. Potatoes 54% harvested, 87% 1994, 51% avg. Sweet corn 40% harvested, 52% 1994, 45% avg. Tomatoes 36% harvested, 38% 1994, 40% avg. Watermelons 38% harvested, 44% 1994, 37% avg. Apples 2% fair, 59% good, 39% excellent. Peaches 10% fair, 77% good, 13% excellent; 20% harvested, 44% 1994, 32% avg. Activities: Harvesting of vegetables, haymaking.

MICHIGAN: Extremes 47°; 91°. Precipitation none to 2.22 in. Temperatures above normal with moderate precipitation. Rain was welcomed, more will be needed.

Days suitable for fieldwork 5.0. Crops improved with warm temperatures and rain. Rains slowed wheat, hay harvest. Topsoil 5% very short, 16% short, 76% adequate, 3% surplus. Subsoil 7% very short, 20% short, 71% adequate, 2% surplus. Corn height 71 in., 72 in. 1994, 67 in. avg.; in milk, 12%, 10% 1994, 8% avg. Drybeans blooming 67%, 45% 1994, 56% avg.; setting pods 20%, 15% 1994, 13% avg.; 1% poor, 13% fair, 65% good, 21% excellent. All hay, second cutting 58%, 55% 1994, 51% avg.; 1% very poor, 4% poor, 19% fair, 50% good, 26% excellent. Potatoes harvested 16%, 10% 1994, 10% avg. Soybeans setting pods 25%, 20% 1994, 18% avg. Oats, headed 100%, 100% 1994, 100% avg.; turning yellow 73%, 78% 1994, 77% avg.; harvested 20%, 10% 1994, 13% avg.; 3% very poor, 9% poor, 36% fair, 41% good, 11% excellent.

MINNESOTA: Temperatures 1° below normal west central to 3° above normal northeast, southeast part of State. Extremes 45°; 96°. Precipitation 0.73 to 0.74 in. above normal southwest, south central, 0.04 to 0.77 in. below normal elsewhere. Precipitation none to 1.67 in. for State. Greatest weekly total 3.07 in.

Days suitable for fieldwork 3.9. Topsoil 1% very short, 6% short, 63% adequate, 30% surplus. Spring wheat turning ripe 47%, 78% 1994, 70% avg. Spring wheat harvested 3%, 5% 1994, 4% avg. Oats turning ripe 79%, 97% 1994, 85% avg. Oats harvested 9%, 32% 1994, 22% avg. Barley turning ripe 45%, 88% 1994, 74% avg.; harvested 6%, 11% 1994, 18% avg. Corn tasseling 87%, 96% 1994, 64% avg.; in milk 10%, 16% 1994, 11% avg. Soybean 89% blooming, 97% 1994, 75% avg.; 27% setting pods, 46% 1994, 26% avg. Oats 3% very poor, 17% poor, 47% fair, 31% good, 2% excellent. Barley 4% very poor, 18% poor, 53% fair, 25% good. Sunflowers 2% very poor, 7% poor, 35% fair, 49% good, 7% excellent.

MISSISSIPPI: Temperatures 2° above normal. Extremes 64°; 102°. Soil temperatures 89°. Precipitation 1.77 in., 0.52 in. above normal. Rainfall: 0.69 in. central district to 3.76 in. upper delta district.

Days suitable for fieldwork 5.9. Soil moisture 16% very short, 41% short, 41% adequate, 2% surplus. Corn 100% silked, 100% 1994, 96% avg.; 90% dough, 88% 1994, 80% avg.; 49% dent, 50% 1994, 50% avg.; 8% mature, 16% 1994, 21% avg.; 30% silage harvested, 34% 1994, 29% avg.; 1% very poor, 9% poor, 27% fair, 53% good, 10% excellent. Soybeans 100% emerged, 100% 1994, 100% avg.; 77% blooming, 77% 1994, 55% avg.; 44% setting pods, 31% 1994, 22% avg.; 3% very poor, 8% poor, 26% fair, 47% good, 16% excellent. Hay 73% harvested warm, NA 1994, NA avg.; 2% very poor, 14% poor, 28% fair, 50% good, 6% excellent. Peaches 78% harvested, 92% 1994, 90% avg.; 9% poor, 16% fair, 53% good, 22% excellent. Peanuts 1% poor, 8% fair, 67% good, 24% excellent. Sweet potatoes 26% fair, 59% good, 15% excellent. Watermelons 82% harvested, 74% 1994, 65% avg.; 14% poor, 28% fair, 47% good, 11% excellent. Cattle rated 2% very poor, 6% poor, 27% fair, 60% good, and 5% excellent. Main farming activities: Irrigating crops; controlling insects in cotton; harvesting hay, corn silage. Tobacco budworms are a problem in cotton for some areas of the State. Most crops that are on non-irrigated land need moisture for development of fruit. Cattle producers are faced with pastures that are short due to lack of rainfall.

MISSOURI: Temperatures near normal, ranging from 2° below normal at Nevada to 2° above normal at St. Louis, St. Joseph. State precipitation 0.56 in., ranging from 0.16 in. west central, to 1.02 in. east central.

Days suitable for fieldwork 4.7. Topsoil 1% very short, 19% short, 70% adequate, 10% surplus. Subsoil 11% short, 81% adequate, 8% surplus. Majority of Missouri row crops remain in fair to good condition, with reporters hopeful of timely rains during critical crop growth stages. Corn silking progress ranges from 14% northeast district to 100% southeast. Soybean blooming progress ranges from around 10% northern tier, southwestern districts, to 38% southeast. Sorghum is just beginning to head through most of state, except south central, southeast districts, where 34%, 56% have headed, respectively. Oats harvested 87%, 100% 1994, 84% avg. Alfalfa second cutting 80%, 99% 1994, 85% avg.; third cutting 11%, 34% 1994, 18% avg. Other hay cut 87%, 93% 1994, 88% avg.

MONTANA: Temperatures at or above normal, except for north central areas where temperatures were about 5° cooler than normal. Scattered thunderstorms across the State with some localized hail damage reported.

Days suitable for fieldwork 6.2. Topsoil 4% very short, 25% short, 67% adequate, 4% surplus. Subsoil 5% very short, 25% short, 64% adequate, 6% surplus. Winter wheat 91% turning, 100% 1994, 92% avg.; 11% ripe, 47% 1994, 34% avg. Spring wheat 46% turning, 68% 1994, 50% avg.; 3% ripe, 5% 1994, 6% avg. Barley 1% very poor, 4% poor, 15% fair, 55% good, 25% excellent; 95% headed, 100% 1994, 96% avg.; 45% turning, 77% 1994, 56% avg.; 2% ripe, 14% 1994, 10% avg. Oats 2% very poor, 6% poor, 23% fair, 51% good, 18% excellent; 92% headed, 99% 1994, 97% avg.; 49% turning, 66% 1994, 51% avg.; 2% ripe, 14% 1994, 9% avg. First cutting alfalfa hay 92%, 99% 1994, 88% avg.; second cutting 6%, 22% 1994, 14% avg. First cutting other hay 77%, 85% 1994, 71% avg.

NEBRASKA: Temperatures 1 to 5° above normals. Scattered precipitation across State, amounts ranging from none to over 2.00 in.

Days suitable for fieldwork 6.4. Topsoil 24% very short, 49% short, 27% adequate. Subsoil 5% very short, 39% short, 56% adequate. Wheat 100% ripe, 100% 1994, 99% avg.; harvest made excellent progress in the panhandle; reports in the panhandle indicated better than average yields, test weight. Oats 71% harvested, 90% 1994, 71% avg. Dry bean 28% blooming, 88% 1994. Rootworm beetle, grasshopper, corn borer counts was noted in the east central, southeast districts. Reports in the northeast fear there will be no third cutting if rain isn't received soon. Pastures

continued to show signs of deterioration in the eastern part of the State. A good rain is now needed for regrowth. Western pastures continued to provide adequate grazing for cattle. Above normal temperatures continued to stress livestock, especially in confined areas, limiting weight gains.

NEVADA: A high pressure system moved into State beginning of the week, bringing clear skies, above average temperatures. By weekend the high pressure system moved out leaving western, northern areas with partly to mostly cloudy skies. Isolated showers fell, a wind advisory was issued in northern areas. In the north, temperatures were 2° below normal, while the south experienced temperatures 3° above normal. Extremes: 28°; 124°. Precipitation 0.09 in. northeast, no precipitation was reported elsewhere. Warmer temperatures dominated in State this week, leaving the crops in generally good condition.

Third cutting of alfalfa is underway in Caliente, while the second cutting is underway in the majority of the State. The general condition of the alfalfa is good, although weevils have been reported in the alfalfa in Ely. Heading of spring, winter wheat, barley, oats has been completed. Most of the livestock has been moved to summer ranges; most of the calving, lambing has been completed. Irrigation water supply is adequate. Main farm, ranch activities: Haying, irrigating, calving, lambing, moving, working livestock.

NEW ENGLAND: Precipitation 0.09 to 2.55 in. north, 0.12 to 4.12 in. south. Average temperatures 70 to 78° north, 68 to 82° south. Highs 85 to 93° north, 85 to 95° south. Lows 53 to 63° north, 59 to 72° south.

Days suitable for fieldwork 6.1. Topsoil 4% very short, 41% short, 55% adequate. Subsoil 7% very short, 56% short, 37% adequate. Maine potatoes <5% harvested, good. Rhode Island potatoes good. CT River Valley potatoes 10% harvested, <5% 1994, <5% avg.; good. Maine oats <5% harvested; good. Maine barley <5% harvested, good. Field corn good/fair. Sweet corn 100% emerged; good/fair; 25% harvested, 25% 1994, 20% avg. Shade tobacco 35% harvested, 25% 1994; good. Outdoor tobacco 10% harvested, 5% 1994; good/fair. First hay crop 99% harvested, 95% 1994, 95% avg.; good. Second cut hay 25% harvested, 45% 1994, 35% avg.; good/fair. Third cut hay 5% harvested, <5% 1994; good/excellent. Apples set avg., good/fair, size avg., <5% harvested. Peaches set avg.; good/fair, size avg., 5% harvested. Pears set avg., size avg.; good/fair. Strawberries set avg.; good, size avg., 100% harvested, 100% 1994. Cranberries set above avg., size avg., excellent/good. Highbush blueberries set avg., good, size avg., 45% harvested, 40% 1994. Wild blueberries set avg./above avg., good, size avg.; 5% harvested. Rains, warmer temperatures moved through New England last week, bringing much of the area closer to precipitation normals. Major farm activities: Irrigating, fertilizing, cultivating, picking fruits, vegetables, applying herbicides and insecticides.

NEW JERSEY: Temperatures much above normal. Extremes: 50°; 96°. Rainfall 0.65 in. north, 0.85 in. central, 0.11 in. south. Heaviest 24 hour total 0.82 in. on 27th to 28th. Estimated soil moisture in percent of field capacity, 73% north, 69% central, 41% south.

Days suitable for fieldwork 7. Topsoil short to adequate. Good volume of eggplant, squash, cucumbers, tomatoes, cantaloupe, sweet corn. Moderate supply of beans, leeks, watermelon, cabbage. Limited volume of herbs, leafy greens, parsley, okra. Combining of wheat is nearly complete with some operations planting soybeans as a second crop. Good volume of blueberries with harvest declining. Moderate supply of peaches with harvest on the rise.

NEW MEXICO: Weather pattern for final week of July was more typical of late June with an overall lack of rainfall, unusually hot daytime temperatures in most areas. Mean temperature anomalies were deceiving in that dry air allowed for cool nights in west. Gallup reached a high of 100° on the 28th, highest ever recorded there. Only Santa Fe, Alamogordo, Las Cruces received measurable rainfall.

Days suitable for fieldwork 6.8. Soil moisture 18% very short, 59% short, 23% adequate. Alfalfa 2% poor, 13% fair, 53% good, 32% excellent. Corn 8% poor, 5% fair, 82% good, 5% excellent. Cotton 1% very poor, 1% poor, 12% fair, 71% good, 15% excellent; 90% squaring, 98% 1994, 96% avg.; 53% setting bolls, 86% 1994, 71% avg. Sorghum 1% very poor, 5% poor, 72% fair, 21% good, 1% excellent. Chile 5% very poor, 19% poor, 31% fair, 41% good, 4% excellent. Onions 1% poor, 19% fair, 49% good, 31% excellent. Pecans 2% very poor, 3% poor, 1% fair, 84% good, 10% excellent. Apples 15% poor, 77% fair,

4% good, 4% excellent. Cattle 1% very poor, 16% poor, 41% fair, 36% good, 6% excellent. Sheep 16% poor, 60% fair, 20% good, 4% excellent.

NEW YORK: Very warm, oppressive humidity. Little relief overnight. Extremes 52°; 96°. Temperatures 4 to 7° above normal. Rainfall was sporadic, spotty. Some areas received torrential rain causing localized flooding while other areas were completely dry.

Days suitable for fieldwork 5.4. Soil moisture 15% very short, 62% short, 23% adequate. Showers improved conditions slightly. Corn fair to good condition. Fields tasseling, stalks short. Pastures providing minimal feed. Wheat 78% harvested, 78% 1994, 75% avg. Oats 24% harvested, 30% 1994, 16% avg. Alfalfa second cutting 73% complete, 55% 1994, 51% avg., very little regrowth. Early potato harvest underway. Onions good condition. Tomatoes suffered blossom end rot in many fields due to fluctuating soil moisture. Sweet corn harvest picked up. Apples in good condition. Peach harvest active, small size due to dryness.

NORTH DAKOTA: Temperatures 2° below normal southeast, east central to 1° above normal northwest, southwest. Extremes 47° northeast; 104° southwest. Precipitation ranged from 0.20 in. north central to 0.78 in. northeast.

Days suitable for fieldwork 6. Soil moisture above average. Topsoil 1% very short, 8% short, 80% adequate, 11% surplus. Subsoil 1% very short, 5% short, 83% adequate, 11% surplus. Small grain harvest was closing in as development advanced further into the turning stage. Hard red spring wheat 14% turning and beyond; 41% 1994; 47% avg.; durum wheat 7%; 18% 1994; 27% avg.; barley 19%; 59% 1994; 63% avg.; oats 9%; 56% 1994; 54% avg. Late season crop development made good progress, continued behind average. Flaxseed 48% blooming and beyond; 76% 1994; 79% avg.; sunflowers 7%; 34% 1994; 19% avg.; potatoes 83%; 89% 1994; 92% avg.; dry edible beans 32% podding and beyond; 68% 1994, NA avg.; soybeans 33%; 64% 1994; 47% avg.; corn 54% tasseling; 74% 1994; 50% avg. Small grain condition: durum wheat 1% very poor, 5% poor, 23% fair, 64% good, 7% excellent; barley 1%, 4%, 24%, 63%, 8%; oats 0%, 3%, 25%, 67%, 5%; flaxseed 1%, 3%, 22%, 66%, 8%; corn 0%, 1%, 17%, 67%, 15%; dry edible beans 1%, 5%, 20%, 59%, 15%; soybeans 2%, 9%, 31%, 49%, 9%; sunflower 1%, 2%, 13%, 65%, 19%; sugar beets 0%, 3%, 10%, 63%, 24%; potatoes 0%, 0%, 12%, 58%, 30%.

OHIO: Warm weather continued with highs averaging from the upper 80s to around 90° over most of State. Temperatures were into the 90s over nearly all of the State. Readings exceed normal by 5 to 7° north, 2 to 5° most of south. Lows averaged in upper 60s, exceeding normal by 5 to 8° across State. Precipitation totals ranged from less than 0.25 in. parts of north to over 2.00 in. at Celina, Columbus.

Days suitable for fieldwork 4.3. Soil moisture 5% very short, 14% short, 60% adequate, 21% surplus. Wheat harvest complete. Condition of all crops continues to improve with timely rains. Corn development is still behind last year, warm weather has speeded development. Dough stage has been reached in a few areas. Aerial observations revealed a wide east to west band of corn, soybeans in poor to fair condition. However, in areas of historic high production these crops looked good to excellent, with few areas drowned out. Soybean development is behind average, rapidly moving. Weeds continue to be more of a problem than normal. Second cutting of alfalfa is 75% complete; second cutting of other hay is 47% complete. Potato digging has begun. Potato harvest looks good, with no evidence of late blight. Oat harvest is 35% complete. Binding and threshing of oats has begun in Amish communities.

OKLAHOMA: Temperatures 0.8° below normal Panhandle district to 1.6° above normal southwest district. Precipitation none Panhandle, west central, southwest, central to 0.89 in. southeast.

Days suitable for fieldwork 4.7. Topsoil 5% very short, 27% short, 62% adequate, 6% surplus. Subsoil 5% very short, 21% short, 69% adequate, 5% surplus. Wheat 86% plowed, 92% 1994, 88% avg.; 6% seedbed prepared, 10% 1994, 6% avg. Oats 90% plowed, 100% 1994, 98% avg. Barley 72% plowed, 100% 1994, 94% avg. Corn 77% tasseling, 100% 1994, 96% avg.; 23% milk-to-soft, 67% 1994, 54% avg.; 4% mature, 6% 1994, 6% avg. Sorghum 1% mature, 2% 1994, 2% avg. Soybeans 57% flowering, 65% 1994, 38% avg.; 28% setting pods, 39% 1994, 15% avg.; 0% mature, 12% 1994, 2% avg. Peanuts 86% pegging, 78% 1994, 78% avg.; 40% setting pods, 41% 1994, 40% avg. Alfalfa 4% poor, 24% fair, 69% good, 3% excellent; 65% 3rd cutting, 83% 1994, 66% avg; 5% 4th cutting, 15% 1994, 6% avg. Livestock 16% fair, 79% good, 5% excellent. Prices for feeder steers, heifers steady to \$1.00/cwt lower.

OREGON: Temperatures 2° above normal, statewide. Precipitation 0.10 in. or less coast, southwestern valleys, northern Cascades. Elsewhere dry.

Days suitable for fieldwork 6.5. Topsoil 1% very short, 24% short, 75% adequate. Subsoil 24% short, 75% adequate, 1% surplus. All barley harvested 26%. Winter wheat, barley harvests underway, yields average to above average, hay, mint harvest continued, sweet corn tasseling, setting ears, potatoes in bloom statewide. Eastern sections potato blight reported. Klamath Basin warmer weather spurred sugar beets growth. Willamette Valley: grass seed harvest continued, green bean harvest continued, zucchini, broccoli, cucumbers, green onion harvest beginning, Marion blackberry harvest winding down, other variety blackberry harvest to start soon, blueberry picking winding down, peach harvest full swing, hazelnut worm sprays being applied. Hood River Valley: Pears, apples very good, some thinning Bartlett pears. Rogue River Valley: early red Bartlett harvest to begin 8/7, green Bartlett harvest 8/14, quality good. Willamette Valley nursery industry: Crops growing well, field planting underway, spraying activities continued, Christmas tree shear, top work continued. Livestock good to excellent. Eastern, western pastures, summer grazing areas good to excellent, starting to dry out. Some yearling movement underway.

PENNSYLVANIA: Hot, humid week. Scattered showers, thunderstorms everyday of week. Some heavy rainfall. Extremes 57°; 96°.

Days suitable for fieldwork 5.0. Soil moisture 4% very short, 30% short, 63% adequate, 3% surplus. Soybean 2% poor, 18% fair, 60% good, 20% excellent. Wheat 80% harvested, 73% 1994, 69% avg. Oats 80% harvested, 73% 1994, 69% avg. Barley 80% harvested, 73% 1994, 69% avg. Alfalfa 2nd cutting 58% complete, 70% 1994, 66% avg.; 3rd cutting 1% complete, 7% 1994, 4% avg. Timothy clover 2nd cutting 22% complete, 39% 1994, 22% avg. Quality of hay made 6% very poor, 12% poor, 30% fair, 37% good, 15% excellent. Peach harvest 8% complete, 1994 not available, 4% avg. Farm 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 3 to 4° above normal with a maximum of 101°, minimum of 62°. Statewide rainfall 1.40 in.

Days suitable for fieldwork 5.9. Soil moisture 8% very short, 8% short, 84% adequate. Barley 98% harvested, 100% 1994, 100% avg.; 4% poor, 92% fair, 4% good. Corn 93% doughed, 94% 1994, 93% avg.; 53% matured, 54% 1994, 52% avg.; 4% harvested, 4% 1994, 6% avg.; 2% poor, 47% fair, 51% good. Sorghum 94% planted, 98% 1994, 93% avg.; 8% harvested, 6% 1994, 7% avg.; 6% poor, 45% fair, 43% good, 6% excellent. Sweet potatoes 30% fair, 70% good. Tobacco 98% topped, 98% 1994, 97% avg.; 42% harvested, 42% 1994, 40% avg.; 4% fair, 96% good. Peaches 72% harvested, 77% 1994, 71% avg. 26% fair, 60% good, 14% excellent. Watermelons 91% harvested, 84% 1994, 84% avg.; 97% fair, 3% good. Cantaloupes 86% harvested, 81% 1994, 80% avg.; 1% poor, 99%.

SOUTH DAKOTA: Temperatures generally near to 3° above normal. Extremes 38°; 107°. Rainfall mostly below normal except for the northeast district 0.50 to 0.90 in., Black Hills 0.30 to 0.40 in., Brookings area with around 3.00 in. Heaviest weekly precipitation 3.12 in. Brookings.

Days suitable for fieldwork 5.6. Topsoil 7% very short, 26% short, 59% adequate, 8% surplus. Subsoil moisture 1% very short, 13% short, 68% adequate, 18% surplus. Winter wheat 97% ripe, 100% 1994, 93% avg.; 34% swathed, 66% 1994, 61% avg. Winter wheat 2% very poor, 12% poor, 19% fair, 55% good, 12% excellent. Winter rye 99% ripe, 99% 1994, 89% avg.; 52% swathed, 70% 1994, 61% avg.; 23% harvested, 67% 1994, 47% avg. Winter rye 30% fair, 64% good, 6% excellent. Barley 82% turning color, 97% 1994, 93% avg.; 31% ripe, 67% 1994, 68% avg.; 13% swathed, 49% 1994, 47% avg. Barley 8% poor, 27% fair, 62% good, 3% excellent. Oats 76% turning color, 98% 1994, 94% avg.; 37% ripe, 75% 1994, 80% avg.; 25% swathed, 66% 1994, 59% avg. Oats 4% very poor, 6% poor, 42% fair, 46% good, 2% excellent. Spring wheat 70% turning color, 90% 1994, 90% avg.; 23% ripe, 54% 1994, 55% avg.; 5% swathed, 28% 1994, 26% 1994. Flax 83% blooming, 87% 1994, 77% avg.; 0% ripe, 11% 1994, 17% avg. Flax 11% very poor, 53% fair, 33% good, 3% excellent. Corn tasseled, 36%,

90% 1994, 60% avg.; 95% cultivated twice, 99% 1994, 87% avg. Sunflowers 6% bloomed, 41% 1994, 25% avg. Sunflower 3% poor, 31% fair, 48% good, 18% excellent. Soybeans setting pods 12%, 46% 1994, 30% avg. Crops made significant progress during the week, but the hot, dry weather left many areas in desperate need of topsoil moisture. Grasshoppers were becoming a problem. Second cutting alfalfa 54% complete, 61% 1994, 48% avg. Other hay 67% harvested, 68% 1994, 61% avg. Livestock 1% poor, 9% fair, 72% good, 18% excellent. Stock water supplies 2% short, 77% adequate, 21% surplus.

TENNESSEE: Temperatures were normal.

Days suitable for fieldwork 4.0. Topsoil 10% very short, 26% short, 47% adequate, 17% surplus. Subsoil 10% very short, 27% short, 53% adequate, 10% surplus. Corn 3% poor, 13% fair, 47% good, 37% excellent; 70% dough, 54% 1994, 45% avg., 24% dent, 20% 1994, 16% avg. Cotton; 1% poor; 13% fair, 59% good, 27% excellent; 90%; setting bolls, 90%, 1994, 71% avg. Sorghum 8% fair, 69% good, 23% excellent; 74% headed, 60% 1994, 58% avg.; 3% turning color, 1% 1994, 3% avg. Tobacco 7% very poor, 12% poor, 44% fair, 35% good, 2% excellent; 39% topped, 43% 1994, 36% avg. Soybeans 2% poor, 18% fair, 62% good, 18% excellent; 49% blooming, 48% 1994, 36% avg.; 20% setting pods, 16% 1994, 11% avg. Alfalfa; 9% poor, 29% fair, 55% good, 7% excellent; other hay; 2% very poor, 15% poor, 29% fair, 47% good, 7% excellent.

TEXAS: Final week July very hot, dry across entire State. Most of State experienced at least 100° heat. Several new record highs reported. All regions of State near, above normal for week, ranged from near normal south central, Rolling Plains areas to 4 to 6° above normal in Trans-Pecos, High Plains. Rainfall minimal for most of week with hot, sunny conditions. However, over weekend, Tropical Storm Dean made landfall near Freeport, brought significant rains much of east, southeast, central. Some rainfall reports near 10.00 in. along coast as storm moved slowly inland. Some official reporting stations with highest totals included 2.15 in. College Station, 3.42 in. Lake Livingston. Because of storm system, weekly district averages above normal in east, Blacklands, well below normal elsewhere. Much of High, Low Plains, Trans-Pecos, Lower Rio Grande Valley did not record any rainfall for week. Soil temperature very high, 85° Austin, Bushland to 99° in Beeville. The highest maximum was recorded at Beeville (113°) while coolest reading was reported Bushland with a low of 70°.

Crops: Small grains: Open conditions in High Plains allowed producers to virtually complete harvest. Oats 92% harvested, 99% 1994, 98% avg. Corn: Irrigation was steady in High Plains as fields continued show good progress; extreme heat has stressed some fields. Harvest increasing in Blacklands, parts of Central. Harvest made good progress along Upper Coast, winding down in Coastal Bend. Yields have been good to this point. Corn 69% dough, 68% 1994, 72% avg.; 58% dented, 55% 1994, 55% avg.; 40% mature, 45% 1994, 42% avg.; 16% harvested, 23% 1994; 18% avg. Cotton: Dryland fields suffering from extreme heat, dry conditions in Plains. Irrigated fields in good condition. Scattered showers brought only minor relief. Fields in Blacklands, Central also in need of rain which some fields got late in week. Harvest beginning in Coastal Bend, along Upper Coast. Harvest active in the Valley. Cotton 12% bolls opening, 11% 1994, 9% avg.; 1% harvested, 4% 1994, 2% avg. Grain sorghum: Harvest activities increasing with open weather in Blacklands, Central. Harvest also moved ahead without much delay in Coastal Bend, along Upper Coast. Average to good yields have been reported. Sorghum 62% mature, 55% 1994, 47% avg.; 50% harvested, 44% 1994, 35% avg. Rice: Harvest getting underway along Upper Coast. Peanuts: Dry conditions have prompted steady irrigation where available. Dryland fields showing some stress from hot, dry weather. Statewide condition was rated at 79% of normal compared with 75% 1994; 100% planted, 100% 1994, 99% avg. Soybeans: Some harvest activity occurred in the Northern Blacklands during week. Harvest also beginning on few fields along Upper Coast. Soybeans 5% harvested, 0% 1994, 0% avg. Sunflowers 100% planted, 100% 1994, 100% avg.

Commercial Vegetables: Rio Grande Valley: Harvest, land preparations continued throughout the week. San Antonio Winter Garden: Not much activity was reported for the week. A few late melons were harvested. East Texas: Harvest continued; however hot conditions have taken a toll on quantity, quality. Sweet potatoes were showing good progress. Trans-Pecos: Cantaloupe harvest continued at rapid pace with good crop reported. Some disease showing up on chilies. High Plains: Potato, onion harvest continued. Pecan: Crop continued look good across State; however much more rainfall needed as nuts have been dropping because

heat, dry conditions. Producers were spraying for scab, shuckworms in some areas. Peaches: Harvest late varieties continued East Texas.

Range and Livestock: Hot, dry conditions caused forage to decline many pastures, ranges across State. Supplemental feeding increased some. Haying operations continued to slow. Livestock conditions holding steady; however, hot temperatures have been a stress on livestock.

UTAH: Temperature maxima about 3° above normal, minima 3° below normal. Precipitation light in some parts of the State. Dixie, south central, Uinta Basin, southeast divisions received no measurable precipitation.

Days suitable for fieldwork 6.9. Topsoil 35% short, 63% adequate, 2% surplus. Subsoil 26% short, 70% adequate, 4% surplus. Irrigation water supply 5% short, 90% adequate, 5% surplus. Stock water supply 10% short, 80% adequate, 10% surplus. Spring wheat harvested 5%, 50% 1994, 30% avg. Barley harvested 13%, 49% 1994, 37% avg. Oats: headed or better 85%; harvested for grain 4%, 20% 1994, 12% avg.; harvested for hay or silage 65%, 82% 1994, 59% avg. Winter wheat harvested 16%, 81% 1994, 48% avg. Corn: height 39 in., 62 in. 1994, 58 in. avg.; tasseling 3%, 62% 1994, 45% avg. Alfalfa hay 2nd cutting 43%, 71% 1994, 67% avg. Other hay cutting 62%, 79% 1994, 74% avg. Sweet cherries picked 98% complete. Tart cherries picked 52% complete. Major farm, ranch activities were haying, cultivating corn, irrigating, picking sweet/tart cherries.

VIRGINIA: Temperatures above normal. Extremes 59°; 102°. Precipitation was normal in some areas, below in others.

Days suitable for fieldwork 5.1. Topsoil 10% very short, 25% short, 56% adequate, 9% surplus. Subsoil 8% very short, 27% short, 55% adequate, 10% surplus. Other hay 6% poor, 17% fair, 53% good, 24% excellent. Alfalfa hay 1% poor, 14% fair, 63% good, 22% excellent. Apple 1% poor, 9% fair, 61% good, 29% excellent; harvested 9%, 10% 1994, 4% avg. Peaches harvested 30%, 44% 1994, 16% avg. Wheat harvested 95%, 100% 1994, 99% avg. Oats harvested 80%, 100% 1994, 97% avg. Corn silked 69%, 70% 1994, 59% avg.; dough 24%, 33% 1994, 23% avg.; 2% poor, 17% fair, 61% good, 20% excellent. Soybean 15% poor, 41% fair, 33% good, 11% excellent; blooming 40%, 39% 1994, 22% avg. Peanut 1% poor, 97% fair, 2% good. Cotton 3% poor, 85% fair, 12% good. Flue tobacco 1% poor, 32% fair, 19% good, 48% excellent; harvested 14%, 7% 1994, 5% avg. Dark fired tobacco 1% poor, 24% fair, 22% good, 53% excellent. Burley tobacco 8% very poor, 30% poor, 55% fair, 7% good. Sun tobacco 40% fair, 60% good. Summer potato harvested 70%, 74% 1994, 81% avg. Hot, especially dry conditions persisted. Hay making is active across the State. Some cases of potato leafhopper were being treated in alfalfa fields. Burley, flue tobacco topping continued, harvest is just getting underway. Blue mold is still being reported on burley. The dry spell in the Southeastern region forced some producers to irrigate tobacco, peanuts, cotton. Cotton is beginning to show signs of stress due to the dry conditions, extended high temperatures. Fruit growers are spraying trees as summer apple harvest has just begun, peach harvest continues.

WASHINGTON: Temperatures 2° below to 4° above normal west; 5° below to 2° above normal east. Precipitation 0.03 to 1.30 in. west; none to 0.29 in. east. Occasional rainfall throughout the State disrupted harvest, damaged some cereal crops.

Days suitable for fieldwork 6.7. Topsoil 1% very short, 26% short, 70% adequate, 3% surplus; subsoil 23% short, 77% adequate. Irrigation water supply 100% adequate. High yields reported in winter wheat crop. Grain shatter was reported in areas that received heavy winds. Rain delayed winter wheat harvest in some areas. Flower bulb fields were harvested, bulbs were processed, sorted for autumn sales. Spinach seed harvest was about to start. Apples, grapes were ripening. Scab was reported on unsprayed apples on the west side of the State. Raspberry, blueberry, early peach, apricot, green pea, sweet onion, sweet corn, home vegetable harvests continued. Non-irrigated pastures, hay fields were showing drought stress. Straw baling occurred in harvested wheat fields. Winter wheat, dryland 1% very poor, 8% poor, 36% fair, 46% good, 9% excellent; irrigated, 93% good, 7% excellent. Spring wheat,

dryland 5% poor, 40% fair, 48% good, 7% excellent; irrigated, 100% good. Barley, dryland 3% poor, 40% fair, 46% good, 11% excellent; irrigated, 98% good, 2% excellent. Potatoes, 8% fair, 92% good. Corn, 1% fair, 99% good. Hay, other roughage supplies 3% short, 88% adequate, 9% surplus. Winter wheat, 24% harvested, 54% 1994, 31% avg. Spring wheat, 5% harvested, 40% 1994, 18% avg. Barley, 11% harvested, 52% 1994, 26% avg. Alfalfa, 2nd cutting, 67% harvested, 79% 1994, 74% avg. Dry peas, 7% harvested, 66% 1994, 28% avg. Potatoes, 9% harvested, 6% 1994, 6% avg.

WEST VIRGINIA: Temperature 77°. Extremes 56°; 95°. Precipitation 1.27 in. Temperatures well above normal averaging 4 to 5° above normal. Precipitation were above normal except for the northeastern region. Greatest weekly total precipitation was 3.84 in. reported at Weston.

Days suitable for fieldwork 5.3. Topsoil 35% short, 65% adequate. Barley 96% harvested, 100% 1994, 99% avg. Wheat 25% fair, 75% good; 90% ripe, 100% 1994, 100% avg.; 35% harvested, 90% 1994, 82% avg. Hay 5% poor, 45% fair, 40% good, 10% excellent; first cutting 100%, 98% 1994, 97% avg.; second cutting 35%, 31% 1994, 33% avg. Corn 30% fair, 55% good, 15% excellent; 50% silked, 47% 1994, 59% avg.; 10% dough, 20% 1994, 19% avg. Oats 25% fair, 70% good, 5% excellent; 60% ripe, 87% 1994, 89% avg.; 50% harvested, 54% 1994. Soybeans 2% poor, 30% fair, 60% good, 8% excellent; 70% blooming, 61% 1994; 20% setting pods, 35% 1994. Tobacco 10% very poor, 10% poor, 70% fair, 10% good; 25% topped. Apples 100% good. Peaches 100% good. Cattle 20% fair, 70% good, 10% excellent. Sheep 20% fair, 70% good, 10% excellent. Activities: Cutting hay, topping tobacco, harvesting peaches, oats, wheat, barley.

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

Days suitable for fieldwork 5.0. Soil moisture: 10% very short, 34% short, 54% adequate, 2% surplus. General condition of crops 1% very poor, 6% poor, 25% fair, 59% good, 9% excellent. Oats 2% very poor, 10% poor, 39% fair, 44% good, 5% excellent; harvested 12%, 26% 1994, 17% avg. Winter wheat harvested 45%, 56% 1994, 37% avg. Corn height 73 in., 81 in. 1994, 68 in. avg.; silked 57%, 71% 1994, 43% avg. Second hay harvest 63%, 55% 1994, 52% avg. Soybean 1% very poor, 5% poor, 24% fair, 50% good, 20% excellent. Soybeans blooming 35%, NA 1994, NA avg. Scattered rain showers were welcomed across the State. The crop conditions varied greatly across the State depending on soil type, amount of moisture received. Crops on sandy soils were damaged from the intense heat over the past month. Scattered rainfall made some fields look great while others without rain have been suffering. The corn that received moisture had good height and color. Oats are ready to be harvested in most areas of the state. Soybeans were also very spotty, with reports of poor to excellent crops. Where the rain has fallen, the soybeans have responded with good growth. Second crop alfalfa harvest was nearly half finished, with mostly a low quantity yet high quality crop. Several reporters have mentioned a high infestation of potato leafhoppers. One reporter mentioned that snap bean harvest has begun.

WYOMING: Temperatures 3° below to 2° above normal across the State. Extremes 31° Jackson; 100° Worland, Sheridan, Dull Center. Precipitation 0.20 to 0.40 in. above normal in the northeast corner of the State, while the rest of the State averaged 0.10 to 0.40 in. below normal. Sundance received the greatest amount of 0.81 in.

Days suitable for fieldwork 6.9. Topsoil 62% adequate or better. Subsoil 96% adequate or better. Winter wheat 85% mature, 99% 1994, 78% avg.; 15% harvested, 75% 1994, 38% avg. Spring wheat 30% turning color, 97% 1994, 72% avg.; 4% mature, 48% 1994, 28% avg. Oats 33% turning color, 77% 1994, 58% avg.; 16% mature, 26% 1994, 20% avg.; 4% harvested, 7% 1994, 4% avg. Barley 64% turning color, 92% 1994, 79% avg.; 13% mature, 44% 1994, 43% avg.; 2% harvested, 11% 1994, 10% avg. Potatoes 70% in bloom, 99% 1994, 85% avg. Dry beans 74% in bloom, 97% 1994, 67% avg.; 21% setting pods, 49% 1994, 36% avg. Corn 51% tasseled, 88% 1994, 50% avg.; 9% silked, 56% 1994, 21% avg. Alfalfa 96% 1st cutting, 100% 1994, 96% avg.; 2nd cutting 6% complete, 31% 1994, 15% avg. Other hay 56% harvested, 74% 1994, 63% avg. Irrigation water supplies adequate or better across entire State.

International Weather and Crop Summary

July 23 - 29, 1995

HIGHLIGHTS

FSU-WESTERN: Dry weather over Ukraine and parts of Russia helped winter grain harvesting but increased stress on summer crops.

FSU-NEW LANDS: Persistent dryness reduced prospects for spring grains in Kazakhstan and Urals, Russia, while wet weather benefited spring grains in Western Siberia, Russia.

EUROPE: Warm, dry weather favored winter crop harvesting, but stressed immature crops in the west.

SOUTH ASIA: Beneficial rain continued over most major crop areas, improving summer crop prospects but causing additional flooding.

CANADA: Showers benefited reproductive to filling grains and oilseeds in northern Prairie growing areas while southern crops experienced some heat stress.

EASTERN ASIA: Widespread rain covered the North China Plain, favoring summer crops but causing some flooding in Manchuria. Somewhat dry weather aided rice fieldwork in the south, but Tropical Storm Gary was approaching.

SOUTHEAST ASIA: Widespread showers continued across Thailand as showers increased over most of the Philippines.

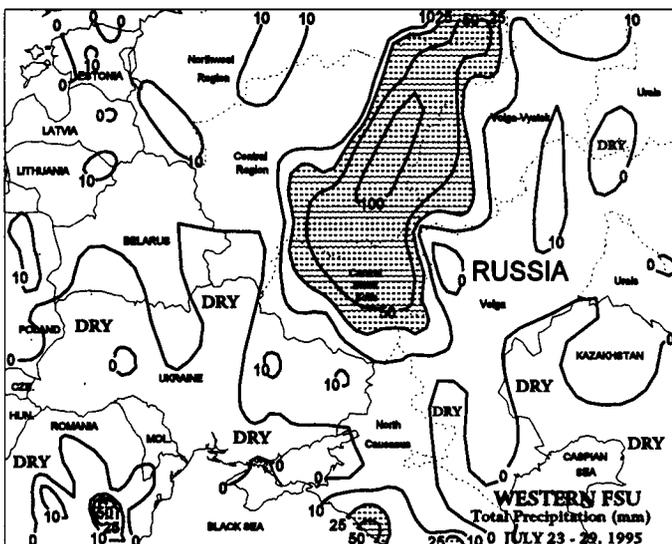
SOUTH AMERICA: Dry weather stressed germinating winter wheat in Argentina, while rain continued to favor wheat in southern Brazil.

MEXICO: Seasonal showers diminished across the main corn belt, but soil moisture is still adequate for reproductive corn. Hot, dry weather returned to the north, worsening the drought.

AUSTRALIA: Conditions remained generally favorable for winter wheat and barley.

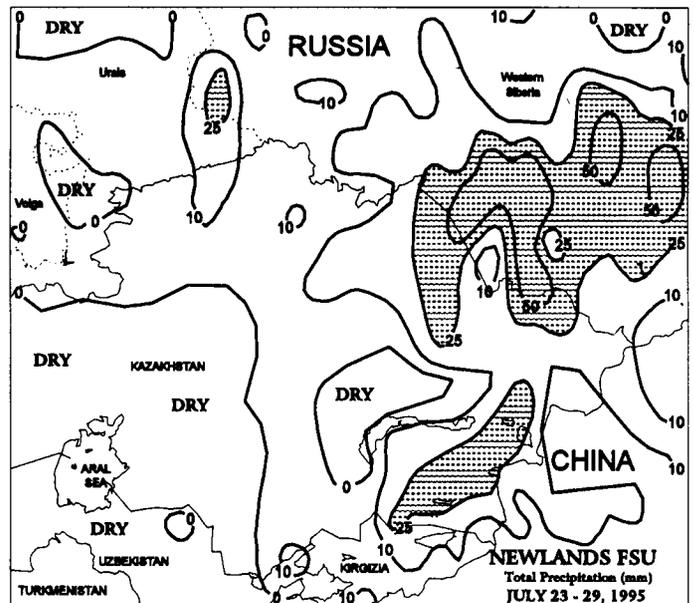
FSU-WESTERN

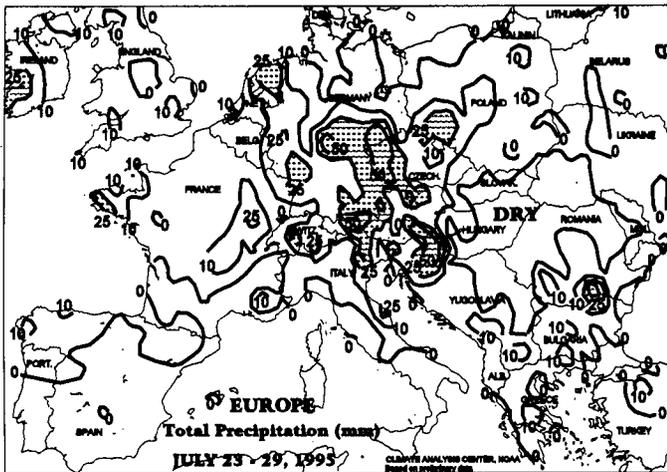
In Russia, a slow-moving storm system produced moderate to heavy rain (25-75 mm, with local amounts in excess 100 mm) over the Central Black Soils Region, eastern portion of Central Region, and Volga Vyatsk. Although the rain interrupted winter grain harvesting, it benefited spring grains in the filling stage and summer crop development. Farther east and south, drought continued over the Volga valley, while the third consecutive week of dryness covered the North Caucasus. The dry weather in these areas favored winter and spring grain harvesting but continued to stress corn, sunflowers, and sugar beets. In Ukraine, dry weather allowed rapid winter grain harvesting. Persistent hot, dry weather over southern Ukraine has likely reduced prospects for corn and sunflowers. Hot weather (maximum temperatures as high as 34 degrees Celsius (C)) early in the week over Ukraine and Russia was replaced by much cooler weather at mid-week. In the Baltic States and Belarus, generally dry weather favored winter grain harvesting. Soil moisture in these areas was sufficient for summer crop development.



FSU-NEW LANDS

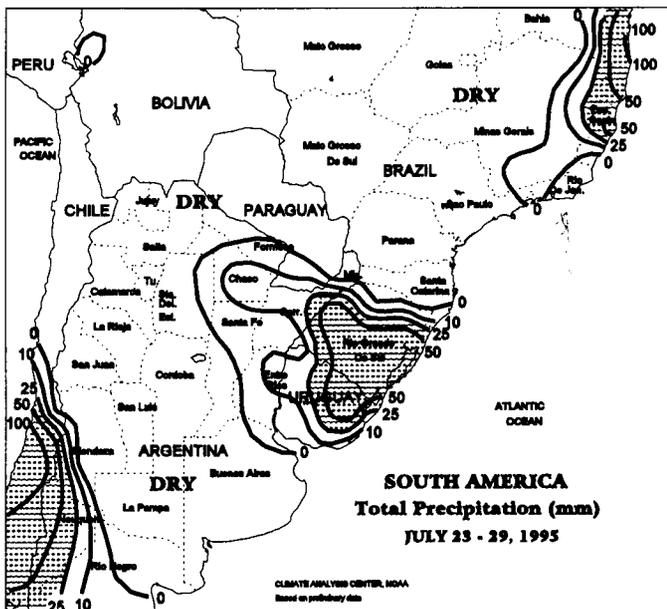
Dry weather continued over major spring grain producing areas in Kazakhstan, reducing prospects for spring grains in the filling stage. In addition, hot weather spread over the region during the week, with maximum temperatures ranging from 31 to 35 degrees C by week's end. The hot weather increased heat stress on crops. In Russia, unfavorably warm, dry weather covered spring grains in the Urals, while wet weather (10-50 mm) over Western Siberia favored spring grain development. Weekly average temperatures were 1-3 degrees C above normal in Kazakhstan and Urals, Russia, and near-normal in Western Siberia, Russia.





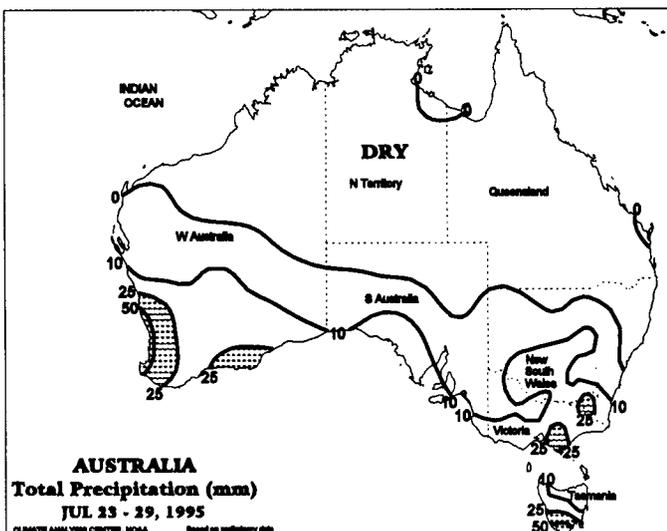
EUROPE

Above-normal temperatures and mostly dry weather from southern England to Spain and across most of the Mediterranean region accelerated summer crop development and favored winter crop harvesting. However, the unseasonably warm weather reduced soil moisture supplies and increased stress on immature crops. Dry weather also prevailed in northern Germany and Denmark, where crops are reportedly maturing rapidly due to the recent unseasonably warm weather. Rain (10-50 mm) in southern Germany, southwestern Poland and the Czech Republic kept soils adequately moist for summer crops but caused some winter crop harvest delays. Favorable harvest weather prevailed from Poland to northern Romania. Isolated 10-25 mm rainfall amounts slowed winter crop harvesting in southern Romania and Bulgaria.



SOUTH AMERICA

Dry weather continued in central Argentina, stressing germinating to vegetative winter wheat. Typically, at this time of the year, the wheat belt receives 8-10 mm a week. Reports indicated that 60 to 70 percent of the wheat crop has been planted. In southern Brazil, moderate rain (20-70 mm) fell across the southern half of Rio Grande do Sul, aiding vegetative wheat. Dry weather prevailed elsewhere across southern Brazil, but adequate soil moisture exists for vegetative to reproductive wheat in Parana. Moderate to heavy rain (25-100 mm) fell across eastern Bahia, aiding main-season cocoa, but slowing mid-year cocoa harvesting. Temperatures averaged 1-2 degrees C above normal across central Argentina and 3-5 degrees C above normal across southern Brazil.

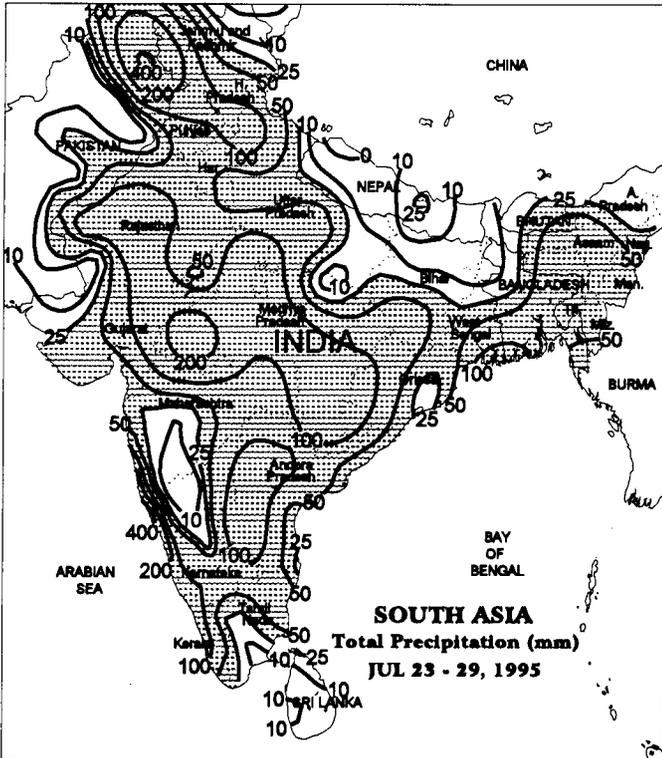


AUSTRALIA

Light to moderate rain (10-25 mm) maintained favorable prospects for Australia's western and southeastern winter wheat and barley. Dry weather continued over Queensland and northern New South Wales, reducing moisture available to vegetative winter grains but favoring coastal sugarcane harvesting. During August, seasonable warming across Australia spurs winter grain development, with crops in or nearing reproduction from late August through September. A seasonal increase in rainfall over drought-stricken crop areas of Queensland is not expected until October, in time for summer crop planting. Emerald, Queensland, at the heart of the drought area, typically receives less than 25 mm in August and September, when the crop usually enters critical growth phases. In New Zealand, cool weather (lows reaching 1-2 degrees C) continued. Rainfall totalled less than 10 mm over northern South Island but ranged from 10-44 mm over central North Island.

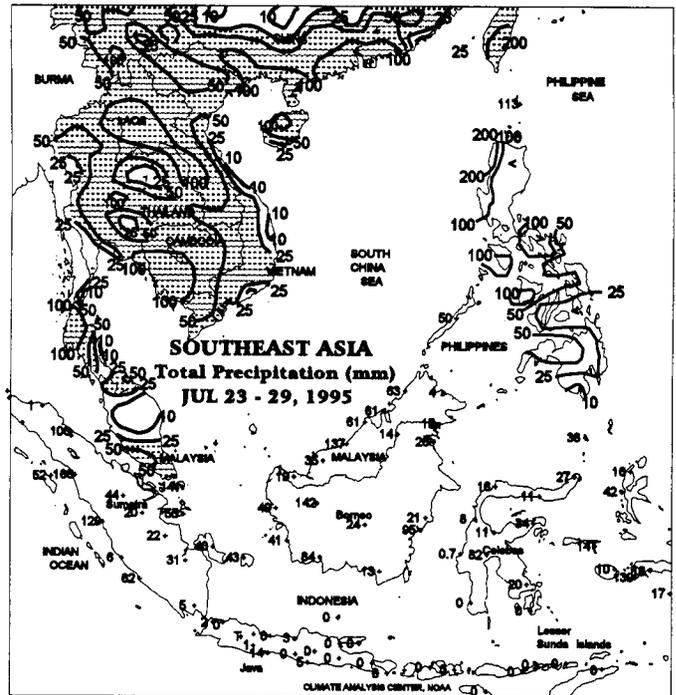
SOUTH ASIA

Heavy showers (100 mm or more) covered a large section of central and northwestern India, improving coarse grain, oilseed, and cotton prospects but causing some additional flooding. Western Gujarat's groundnut region received 20-50 mm (55-108 percent of normal), favoring crop germination and establishment but the moisture was insufficient to recharge subsoil moisture. Inundating rain (100 mm or more) in the upper Indus River Basin (northern Pakistan and India) likely spurred some downstream flooding of cotton and rice. In contrast, India's northern rice areas (Uttar Pradesh and Bihar) continued to receive scattered, generally below-normal rainfall (25 mm or less). The recent drying trend across that region has reduced irrigation reserves for intensive rice cultivation. Showers (10-50 mm or more) benefited summer crops over India's southern interior, with unseasonably heavy soaking rains (50-160 mm) covering important groundnut, sugarcane, and cotton areas (Andhra Pradesh and eastern Karnataka).



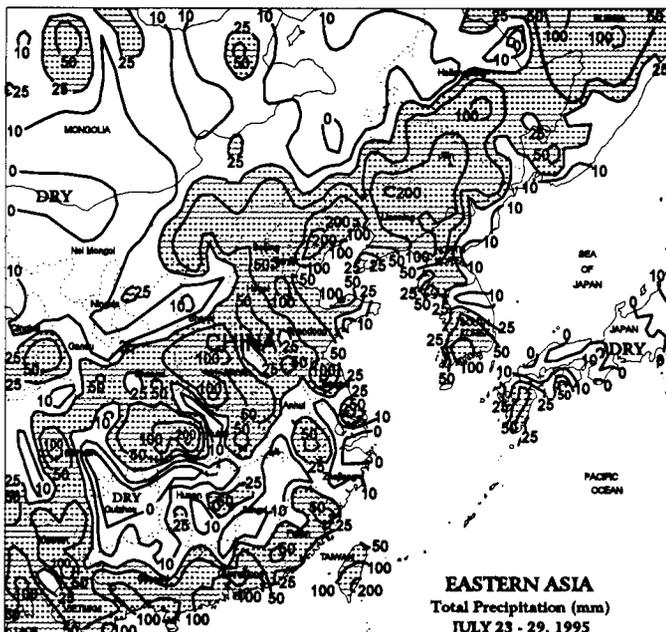
SOUTHEAST ASIA

Moderate to heavy showers (20-70 mm, with isolated amounts greater than 90 mm) covered eastern Thailand, benefiting rice, corn, and sugarcane. Temperatures averaged 1-2 degrees C above normal in south-central Thailand and near normal elsewhere. In Vietnam, light to moderate showers (10-50 mm) kept irrigation supplies adequate for rice. In the Philippines, widespread showers (30-100 mm), partly due to two tropical systems that affected the islands, benefited rice, corn, and sugarcane. Heavier showers (120-200 mm) fell across western and southeastern Luzon, causing some flooding.



EASTERN ASIA

Widespread rain (20-75 mm, with isolated amounts greater than 100 mm) continued to improve growing conditions for reproductive summer crops across the North China Plain. In Manchuria, moderate to heavy rain (40-100 mm) covered most summer crop areas, while drier weather (10-30 mm) fell across the spring wheat areas in the west. However, very heavy rain (100-200 mm) fell across southern Manchuria (Liaoning and southern Jilin), causing flooding and some crop damage. Another week of somewhat drier weather (scattered rain totalling 5-40 mm) across the lower Yangtze Valley eased previous flooding and aided early rice harvesting and late rice transplanting. The sunny, warm weather (temperatures 1-3 degrees C above normal) favored reproductive to filling single-crop rice across the region. Moderate showers (20-70 mm) favored single-crop rice and summer crops in Sichuan. Moderate to heavy showers (40-100 mm) aided sugarcane and rice across China's southern coast. At the end of the week, Tropical Storm Gary approached the southern China coast. Across the Korean Peninsula, light to moderate rain (10-70 mm) kept rice irrigation supplies adequate as warm weather (temperatures 1-3 degrees C above normal) aided vegetative to reproductive rice. Drier, warmer weather (temperatures 2-4 degrees C above normal) aided rice across Japan, after previous heavy rains.



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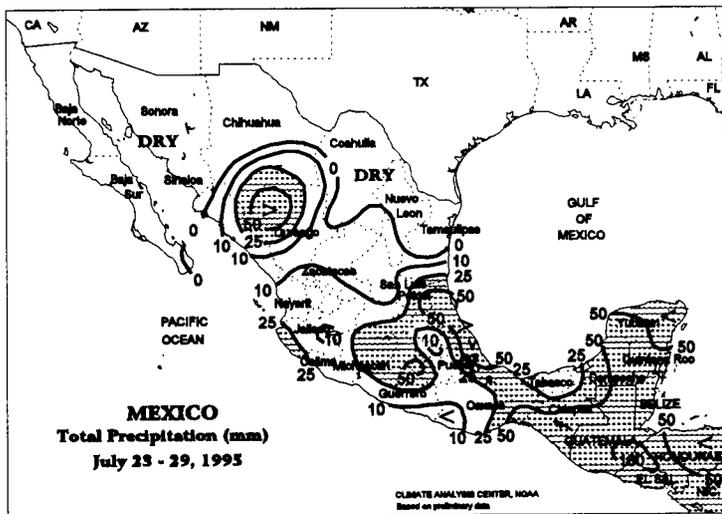
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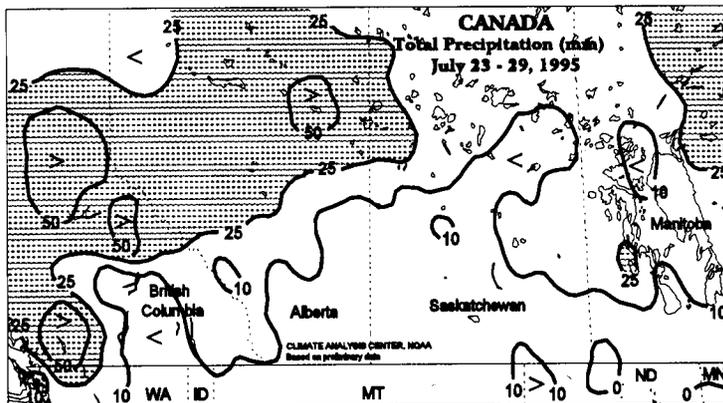
MEXICO

Seasonal showers (8-45 mm, with isolated amounts greater than 50 mm) diminished across the southern Plateau corn belt, but soil moisture is still adequate for reproductive corn. Temperatures averaged 1-2 degrees C above normal across the northern portions of the corn belt, with near normal temperatures elsewhere in the main corn growing areas. Heavier showers (50-90 mm) benefited sugarcane along the east-central coast (Veracruz). Early-week showers (30-80 mm) brought drought relief to portions of north-central Mexico (Durango). However, by week's end, dry, hot (temperatures 2-5 degrees C above normal) weather worsened the drought over the remainder of the north and northeast.



CANADA

Scattered light to moderate showers (5-31 mm) traversed northern Prairie growing areas, bringing some relief for reproductive to filling grains and oilseeds. However, rainfall generally totalled less than 10 mm across the south, with a late-week heat wave (highs in the low to mid 30's C) in central and southeastern growing areas stressing spring wheat in temperature sensitive growth stages. In eastern Canada, scattered showers (10-30 mm) covered Ontario's crop areas, with heavier rain (50-109 mm) concentrated over southern Quebec. The rainfall was timely for corn and soybeans advancing through reproduction.



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