

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration,
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and
World Agricultural Outlook Board

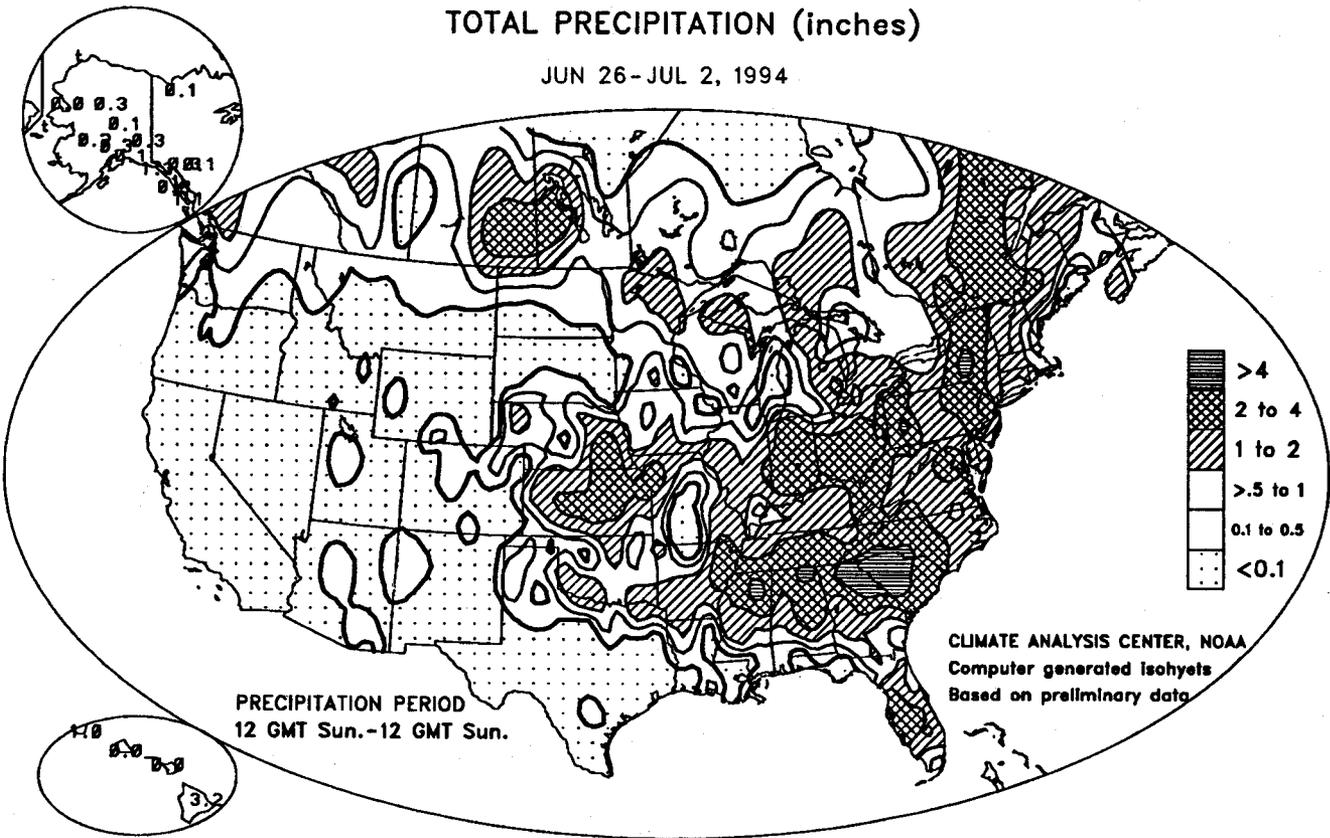
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July 6, 1994

TOTAL PRECIPITATION (inches)

JUN 26 - JUL 2, 1994



HIGHLIGHTS

June 26 - July 2, 1994

Unfathomable heat scared the Southwest, setting or tying all-time records in four States, while wet weather and seasonable temperatures prevailed from the eastern Corn Belt and Tennessee Valley eastward. Early-week rainfall approached excessive levels in parts of the Southeast, and was accompanied by 39 tornadoes. Rainfall, most of which occurred before midweek, totaled 5.73 inches in Columbia, SC and 3.58 inches in Asheville, NC. In Tennessee, Chattanooga and Nashville measured more than 3 inches. Georgia not only received some of the heaviest rain (Athens netted 7.81 inches), but also endured 14 tornadoes in a 2-day outbreak. Tennessee and North Carolina were each struck by six twisters. Farther north, more than 2 inches of rain fell in a broad band from Indiana to New York. Specific totals included 4.24 inches in Indianapolis, IN, 3.26 inches in Columbus,

(Continued to p. 12)

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Heat Wave Broils the Southwest Selected Records and Trivia

All-Time Highest Temperature (°F)

Location	New Record	Former Record
Albuquerque, NM	105 on 6/25*	105, 7/18/1990
El Paso, TX	112 on 6/26*	112, 7/10/1979
Midland, TX	112 on 6/26*	112, 7/02/1989
Lubbock, TX	111 on 6/26	110, 6/24/1990
Roswell, NM	111 on 6/26	110, 6/25/1990
Alamogordo, NM	110 on 6/26*	110, N/A
Albuquerque, NM	107 on 6/26	105, 6/25/1994
Ruidoso, NM	98 on 6/26	not available
Oklahoma (Tipton 4S)	120 on 6/27*	120, 7/26/1943 (Tishomingo)
New Mexico (Lakewood)	119 on 6/27	116, 7/14/1934 (Orogrande)
Nevada (Laughlin)	122 on 6/27*	122, 6/23/1954 (Overton)
Midland, TX	116 on 6/27	112, 6/26/1994
Lubbock, TX	114 on 6/27	111, 6/26/1994
Roswell, NM	114 on 6/27	111, 6/26/1994
El Paso, TX	113 on 6/27	112, 6/26/1994
Wrightwood, CA	96 on 6/27*	96, N/A
Nevada (Laughlin)	124 on 6/28	122, 6/27/1994 (Laughlin)
El Paso, TX	113 on 6/28*	113, 6/27/1994
Wrightwood, CA	97 on 6/28	96, 6/27/1994
AZ (Lake Havasu City)	128 on 6/29	127, 7/07/1905 (Parker)
Nevada (Laughlin)	125 on 6/29	124, 6/28/1994 (Laughlin)
Wrightwood, CA	98 on 6/29	97, 6/28/1994
El Paso, TX	114 on 6/30	113, 6/28/1994

* indicates previous record tied

Tidbits

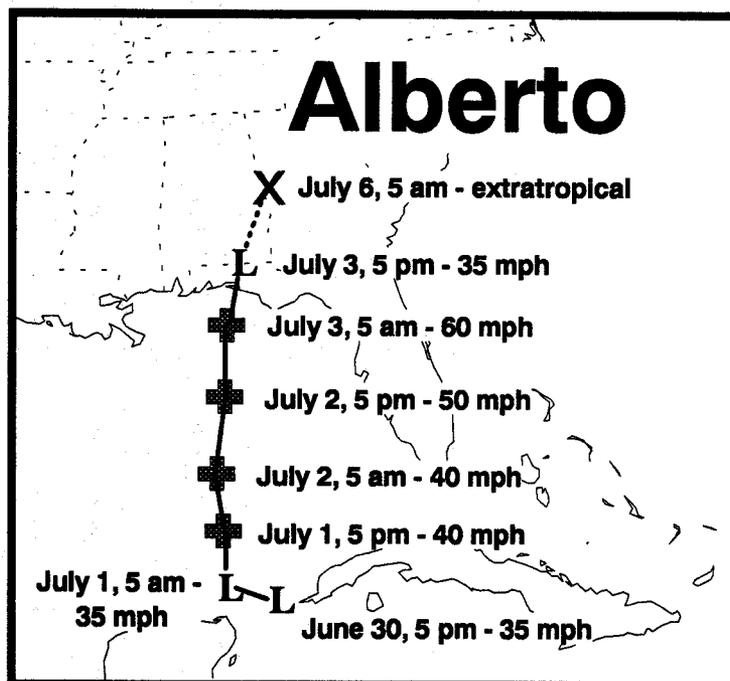
- 6/26 + Denver, CO, with 104°F, came within 1°F of the all-time record set on 8/08/1878. It was the first 100°F day since 6/25/1991.
- + Grand Junction, CO (104°F) and Amarillo, TX (107°F) missed all-time records by 1°F.
- 6/27 + Death Valley, CA: low 101°F, high 126°F.
- + Abilene, TX, with 109°F, was 2°F shy of the all-time record set on 8/03/1943.
- 6/28 + Lake Charles, LA: first time ever with 3 consecutive lows at or above 80°F.
- + Paso Robles, CA hit 110°F for its hottest day since 6/28/1956.
- + San Angelo, TX (110°F): tied June record.
- 6/29 + China Lake Naval Weapons Center, CA reached 117°F for a June record.
- + St. George, UT, with 114°F, was only 3°F short of their own State record.
- + Temperatures in Nevada ranged from a low of 35°F at Wildhorse Reservoir to a State record 125°F at Laughlin.
- 6/30 + St. George, UT again attained 114°F.
- 7/01 + Temperatures in California ranged from a low of 26°F in Truckee to 123°F at Death Valley. Both readings were national extremes for the day.
- + El Paso, TX topped 110°F for the seventh consecutive day.
- + San Angelo, TX set a record with its seventh consecutive 105°F, or higher, day.
- + Albuquerque, NM reached 100°F or above for the eighth day in a row, 1 day short of the record set in 1980.

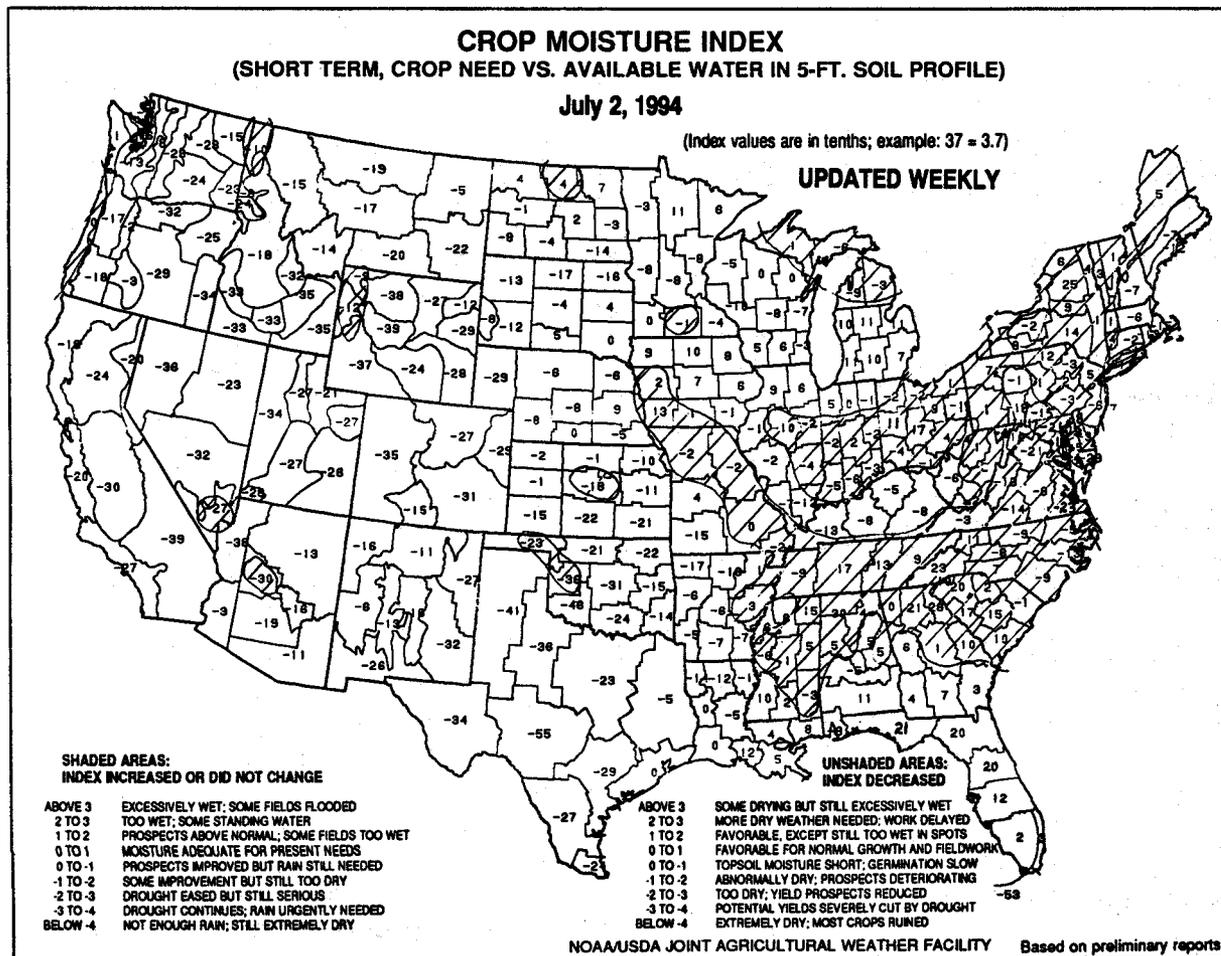
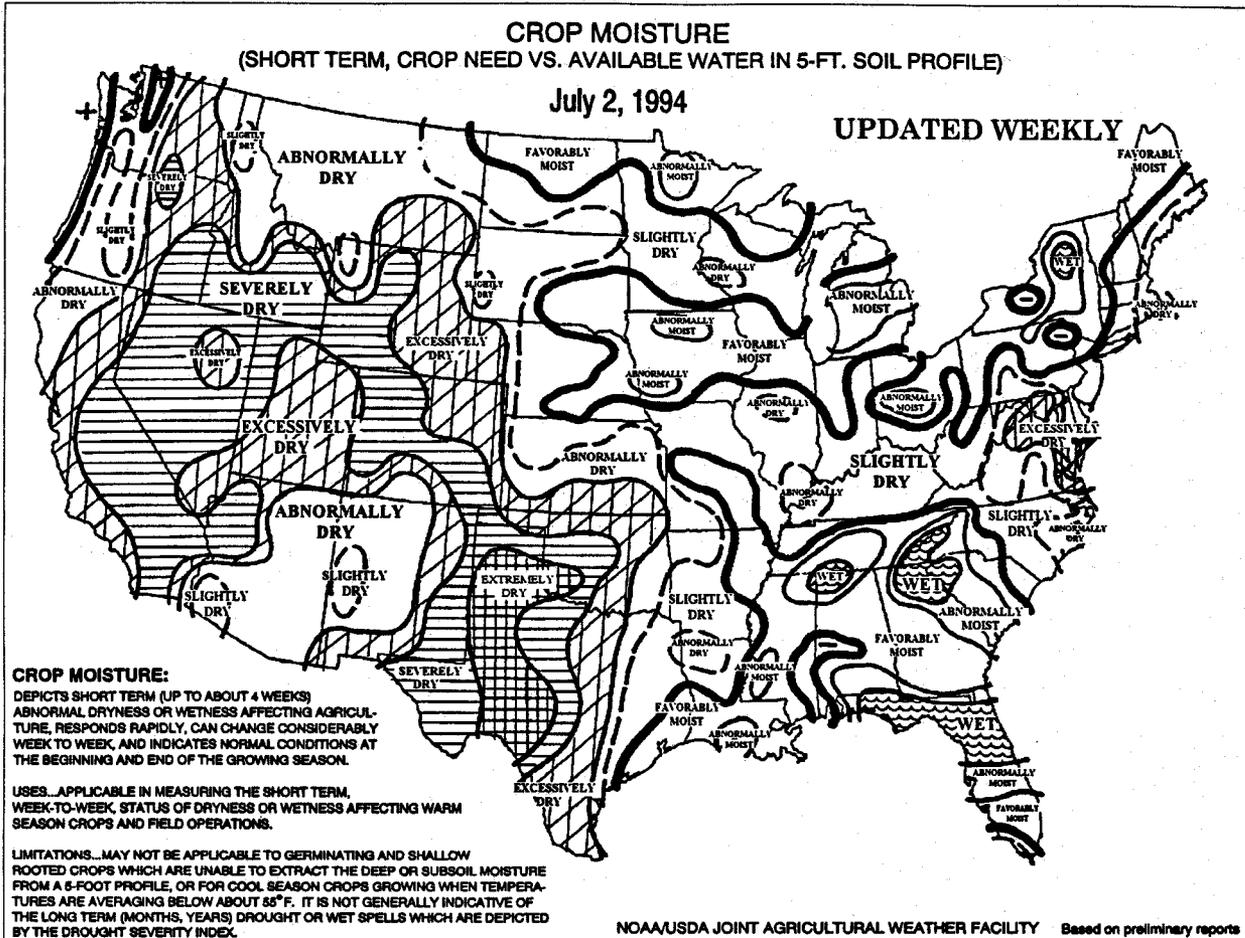
Tropical Storm Alberto's Remnants Dump Heavy Rain in Georgia

Alberto, the first named tropical system of the 1994 Atlantic hurricane season, made landfall near Fort Walton Beach, FL, around 11 a.m. (EDT) on July 3, packing sustained winds of 60 miles per hour. The storm weakened and drifted slowly inland over southeastern Alabama and central Georgia over the next several days, dumping copious rainfall and causing flooding near its compact center. Three-day (July 3 to 5) rainfall topped 10 inches in parts of central and southwestern Georgia. Heavy rain also occurred in southeastern Alabama.

Specific storm totals in Georgia for the 72-hour period ending 8 a.m. on July 6 included 14.04 inches in Albany, 12.78 inches in Macon, 7.52 inches in Atlanta, and 6.14 inches in Columbus. At Albany and Macon, more than 75 percent of the 3-day total rain (10 to 11 inches) fell during the 24-hour period ending 8 a.m. on July 6. In southeastern Alabama, totals for the same 3-day period included 8.62 inches in Dothan and 2.96 inches in Troy.

Prior to reaching tropical storm status, the system dumped more than 7 inches of rain in less than 24 hours in La Fe, Cuba, on the Isle of Youth. Additional rainfall and flood information will appear in the National Highlights section of next week's *Bulletin*.





CUMULATIVE GROWING DEGREE DAYS (CORN*) March 1 - July 2, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ANNISTON	2243	+ 166	RUSSELL	1830	+ 310	YOUNGSTOWN	1128	+ 87
BIRMINGHAM	2239	+ 129	SALINA	1851	+ 260	ZANESVILLE	1295	+ 27
MOBILE	2617	+ 66	TOPEKA/BILLARD	1758	+ 178	OK ALTUS	2250	+ 70
MONTGOMERY	2511	+ 281	WICHITA	1899	+ 148	GAGE	1993	+ 197
MUSCLE SHOALS	2136	+ 153	KY LEXINGTON	1576	+ 41	HOBART	2132	+ 150
OSARK	2518	+ 126	BOWLING GREEN	1788	+ 66	MCALISTER	2212	+ 145
TURKALOOSA	2341	+ 119	PADUCAH	1888	+ 81	PONCA CITY	2137	+ 277
AZ FLAGSTAFF	-----	-----	LA LAFAYETTE	2730	+ 130	TULSA	2114	+ 123
DOUGLAS	2230	+ 261	LAKE CHARLES	2769	+ 181	OR BAKER	1030	+ 222
PHOENIX	2919	+ 392	MORRIS	2578	+ 236	RUGERS	1084	+ 192
TUCSON	2634	+ 327	NEW ORLEANS	2734	+ 127	NORTH BEND	714	+ 183
YUMA	3160	+ 480	SHREVEPORT	2485	+ 133	PERDOLTON	1249	+ 192
AR FRESNO	1610	+ 331	ME AUGUSTA	809	+ 57	REDMOND	975	+ 131
EL DORADO	2336	+ 132	CARIBOU	679	+ 111	PORTLAND	1184	+ 290
FAYETTEVILLE	1928	+ 195	HOLTON	709	+ 69	SALER	1183	+ 306
PORT SMITH	2275	+ 254	PORTLAND	822	+ 135	SEXTON SUMMIT	555	+ 14
JONESBORO	2104	+ 89	MD SALLISBURY	1667	+ 229	PA ALLENTOWN	1392	+ 214
LITTLE ROCK	2266	+ 167	MA WORCESTER	932	+ 80	PHILADELPHIA	1656	+ 380
TENNESSEE	2390	+ 112	MI GRAND RAPIDS	1111	---	WILLIAMSPORT	1308	+ 174
CA BAKERSFIELD	2161	+ 99	JACKSON	1147	+ 82	SC BRANFORD	2611	+ 259
BLUE CANYON	706	+ 55	LANSING	1096	- 2	CHARLESTON	2524	+ 259
DAGGOTT	2511	+ 293	MUSKOGEE	921	+ 26	COLUMBIA	2424	+ 240
FUREKA	707	+ 322	PELLSTON	830	+ 112	FLORENCE	2385	+ 219
FALFIELD	1726	+ 219	SAULT STE. MARIE	619	+ 59	SUMNER/SHAW AFB	2305	+ 96
FRESNO	2099	+ 282	TRAVERSE CITY	945	+ 118	SD ABERDEEN	1295	+ 358
MARYSVILLE	1978	+ 208	NM DULUTH	750	+ 166	HOBON	1254	+ 192
MT SEASTA	1016	+ 155	INT'L FALLS	846	+ 148	PIERRE	1375	+ 300
PASO ROBLES	1785	+ 270	MINNEAPOLIS	1196	---	RAPID CITY	1310	+ 345
RED BLUFF	1881	+ 96	ROCHESTER	1123	---	SIOUX FALLS	1392	+ 292
RIVERSIDE	1808	+ 43	ALEXANDRIA	1030	+ 173	WATERLOO	1077	+ 174
SANTA ANA	2068	+ 404	MS BILOXI	2738	+ 143	BRISTOL	1679	+ 107
SAN DIEGO	1646	+ 119	COLUMBUS	2495	+ 351	CHATTANOOGA	2050	+ 179
SACRAMENTO	1777	+ 177	JACKSON	2374	+ 136	CROSSVILLE	1690	+ 290
THERMAL	2726	+ 83	MERIDIAN	2523	+ 261	MEMPHIS	2364	+ 255
CO ALAMOGOSA	974	+ 93	GREENWOOD	2455	+ 206	NASHVILLE	1956	+ 77
DENVER	1556	+ 420	MO COLUMBIA	1645	+ 153	TX ABILENE	2400	+ 94
EAGLE	1041	+ 122	JOPLIN	1935	+ 169	AMARILLO	1858	+ 148
GRAND JUNCTION	1734	+ 279	SPRINGFIELD	1838	+ 201	AUSTIN	2753	+ 154
LA JUNTA	1759	+ 227	MT VICHY	1717	+ 117	BROWNSVILLE	3193	+ 64
DOVER	1473	- 37	HELENA	1038	+ 305	COLLEGE STATION	2709	+ 156
WILMINGTON	1550	+ 215	KALISPELL	802	+ 50	DALHART	1825	+ 223
FL DAYTONA BEACH	2878	+ 195	MILES CITY	1281	+ 294	DEL RIO	2942	+ 247
PORT MYERS	3287	+ 304	NE GRAND ISLAND	1580	+ 283	DALLAS/FT WORTH	2521	+ 176
GAINESVILLE	2701	+ 18	NORFOLK	1581	+ 348	GALVESTON	2984	+ 279
JACKSONVILLE	2689	+ 130	NORTH PLATTE	1503	+ 326	HOOVER/INTCNFL	2841	+ 280
PORT LAUDERDALE	3567	+ 445	VALENTINE	1398	+ 210	KINGSVILLE/MAS	3098	+ 104
MIAMI	3531	+ 295	SCOTTSBLUFF	1473	+ 357	LARDO	3217	+ 142
MILTON	2625	+ 156	BIDNEY	1402	+ 398	LUBBOCK	2201	+ 222
PENSACOLA	2701	+ 128	NV ELKO	1116	+ 200	MCALLEN	3305	+ 247
ST PETERSBURG	3176	+ 126	ELY	1100	+ 259	MIDLAND	2372	+ 65
TALLAHASSEE	2660	+ 159	LAS VEGAS	2714	+ 490	PALACIOS	2858	+ 90
TAMPA	3138	+ 262	RENO	1413	+ 287	SAN ANTONIO	2877	+ 177
VERO BEACH	3123	+ 261	WINNEBUCCA	1354	+ 276	VICTORIA	2878	+ 181
W. PALM BEACH	3319	+ 209	NH CONCORD	1053	+ 134	WACO	2535	+ 42
GA ATHENS	2207	+ 211	NJ NEWARK	1617	+ 335	WICHITA FALLS	2259	+ 57
AUGUSTA	2323	+ 163	NM ALBUQUERQUE	1950	+ 345	WINK	2523	+ 204
BRUNSWICK	2674	+ 187	CARLSBAD	2500	+ 304	UT CEDAR CITY	1451	+ 330
COLUMBUS/METRO	2485	+ 211	CLOVIS	1919	+ 207	VT BARRIE-MONTPELIER	848	+ 115
Macon	2422	+ 128	GALLUP	1380	+ 160	BURLINGTON	995	+ 139
SAVANNAH	2644	+ 261	TROTH OR CONSEQ.	2133	+ 237	VA CHARLOTTESVILLE	1784	+ 173
ID BOISE	1381	+ 325	NY ALBANY	1097	+ 88	HAMPTON/LANGLEY	1885	+ 223
BURLEY	1333	+ 415	ELMIRA	1081	+ 106	LYNCHBURG	1660	+ 108
IDAHO FALLS	1144	+ 349	GLENS FALLS	1014	+ 110	NORFOLK	2042	+ 346
POCATELLO	1208	+ 350	POUGHKEEPSIE	1202	+ 126	RICHMOND	1894	+ 187
IL BELLEVILLE	1707	+ 78	ROCHESTER	1013	+ 40	WA BELLINGHAM	771	+ 186
CHICAGO/MIDWAY	1301	+ 94	SYRACUSE	1010	+ 47	HOQUIAM	674	+ 148
DECATUR	1430	- 66	UTICA	960	+ 81	SEATTLE-TACOMA	922	+ 231
PEORIA	1483	+ 182	WATERLOO	897	+ 32	SPOKANE	957	+ 185
ROCKFORD	1329	+ 207	NC ASHEVILLE	1629	+ 115	TACOMA	948	+ 167
SPRINGFIELD	1557	+ 103	FAYETTEVILLE	2192	+ 218	WALLA WALLA	1480	+ 371
QUINCY	1466	+ 56	GREENSBORO	1850	+ 109	WENATCHEE	1349	+ 161
IN INDIANAPOLIS	1464	+ 74	HICKORY	1882	+ 149	YAKIMA	1300	+ 183
SOUTH BEND	1274	+ 138	RALEIGH	1994	+ 170	WV HUNTINGTON	1632	+ 172
TERRE HAUTE	1529	+ 105	WILMINGTON	2266	+ 217	MARTINSBURG	1474	+ 105
IA DES MOINES	1468	+ 96	NEW BERN	2156	+ 144	MORGANTOWN	1404	+ 53
MASON CITY	1279	+ 138	ND BISMARCK	1092	+ 223	WI EAU CLAIRE	1154	+ 192
OTTUMWA	1487	+ 158	DICKINSON	952	+ 162	GREEN BAY	1075	+ 215
SIOUX CITY	1514	---	JAMESTOWN	1049	+ 201	LACROSSE	1278	+ 194
WATERLOO	1387	---	KIDOT	948	+ 171	MADISON	1259	+ 159
KS CHANUTE	1814	+ 119	GRAND FORKS	1030	+ 205	WAUSAU	1066	+ 204
DODGE CITY	1793	+ 222	OH AFRON-CANTON	1141	+ 23	CASPER	1339	+ 493
GARDEN CITY	1789	+ 233	COLUMBUS	1394	+ 90	LANDER	1246	+ 433
GOODLAND	1545	+ 287	DAYTON	1393	+ 56	SHERIDAN	1168	+ 344
MEDICINE LODGE	2017	+ 202	FINDLAY	1212	+ 45	WORLDAM	1425	+ 445

Based on 1951-80 normals.

* Growing degree days for corn are computed to a 50°F base with the daily maximum temperature limited to 86°F or lower, and the daily minimum to 50°F or higher.

National Weather Data for Selected Cities

Weather Data for the Week Ending July 2, 1994

STATES AND STATIONS	TEMPERATURE °F							PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	88	69	91	66	79	0	1.4	.4	1.0	5.4	134	30.5	102	93	57	3	0	3	1		
MOBILE	91	73	94	69	82	0	1.4	.4	1.2	5.3	98	27.6	91	97	54	5	0	3	0		
MONTGOMERY	91	71	95	69	81	1	1.5	.5	1.7	6.5	125	27.6	91	97	57	5	0	4	1		
AK ANCHORAGE	65	48	73	45	57	1	1.4	.4	1.3	1.5	42	3.8	78	81	44	0	0	1	0		
BARROW	43	32	49	26	38	0	1.4	.4	1.1	1.5	47	.7	93	70	0	2	1	0			
FAIRBANKS	71	46	81	42	59	4	1.1	.3	1.1	2.4	163	3.7	99	87	35	0	0	0	0		
JUNEAU	61	48	69	45	54	1	1.1	.3	1.1	1.1	34	21.1	100	91	60	0	0	4	0		
KODIAK	61	46	73	36	53	0	1.1	.3	1.1	1.1	34	21.1	100	91	60	0	0	4	0		
NOME	53	41	62	34	47	2	1.1	.3	1.1	1.1	34	21.1	100	91	60	0	0	4	0		
AZ PHOENIX	112	87	117	84	100	0	1.1	.3	1.1	1.1	34	21.1	100	91	60	0	0	4	0		
PRESCOTT	99	65	104	64	82	11	1.1	.3	1.1	1.1	34	21.1	100	91	60	0	0	4	0		
TUCSON	112	83	116	78	97	11	1.1	.3	1.1	1.1	34	21.1	100	91	60	0	0	4	0		
YUMA	113	87	115	83	100	9	1.1	.3	1.1	1.1	34	21.1	100	91	60	0	0	4	0		
AR FORT SMITH	96	76	99	70	86	6	1.4	.4	1.2	4.0	113	26.2	123	81	45	7	0	1	0		
LITTLE ROCK	93	74	96	68	83	3	1.3	.4	1.2	6.3	141	30.8	120	85	50	6	0	3	1		
CA BAKERSFIELD	103	70	105	64	86	5	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
EUREKA	62	52	66	49	57	1	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
FRESNO	103	68	106	63	86	6	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
LOS ANGELES	80	65	87	63	73	5	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
REDDING	99	61	101	54	80	0	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
SACRAMENTO	95	56	100	53	76	1	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
SAN DIEGO	76	66	86	65	71	3	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
SAN FRANCISCO	70	52	82	50	61	3	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
CO DENVER	96	59	104	55	78	7	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
GRAND JUNCTION	100	67	104	63	84	6	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
PUEBLO	97	57	103	52	77	2	1.0	.0	1.0	0.0	0	4.2	110	46	11	7	0	0	0		
CT BRIDGEPORT	84	68	89	65	76	5	1.4	.4	1.4	1.5	41	21.8	102	87	56	0	0	1	0		
HARTFORD	85	65	89	63	75	3	1.4	.4	1.4	1.5	41	21.8	102	87	56	0	0	1	0		
DC WASHINGTON	90	70	94	67	80	1	1.4	.6	1.7	2.3	63	22.4	121	87	49	3	0	4	1		
FL PANAMA CITY	86	76	90	73	81	1	1.2	.2	1.2	8.2	113	22.3	73	94	67	1	0	1	0		
DAYTONA BEACH	90	72	94	70	81	0	1.2	.2	1.2	7.4	116	22.2	131	98	60	4	0	2	1		
JACKSONVILLE	92	73	94	66	82	2	1.3	.3	1.3	14.2	244	28.5	127	95	52	6	0	3	0		
KEY WEST	90	78	91	75	84	0	1.3	.3	1.3	6	6	10.8	67	81	64	5	0	4	0		
MIAMI	89	78	91	75	84	1	1.4	.4	1.4	5.3	54	23.3	92	84	60	3	0	6	0		
ORLANDO	91	73	94	71	82	0	2.7	.9	2.1	12.9	165	27.6	127	91	53	6	0	3	2		
TALLAHASSEE	92	71	96	69	82	1	1.7	.7	1.7	9.0	121	39.7	122	94	51	5	0	3	0		
TAMPA	91	73	94	71	82	0	3.2	1.8	1.2	6.9	117	15.2	83	94	57	6	0	5	3		
WEST PALM BEACH	89	78	91	74	84	2	1.0	.7	1.0	10.5	124	34.4	131	82	59	1	0	2	1		
GA ATLANTA	90	71	93	68	80	2	1.5	.6	1.5	2.5	63	23.0	83	90	53	4	0	3	2		
AUGUSTA	87	66	90	63	77	-3	3.0	2.1	1.7	5.8	132	22.5	92	99	63	1	0	5	3		
MACON	89	69	91	67	79	-2	1.3	.4	1.3	5.2	134	23.4	94	97	59	3	0	4	1		
SAVANNAH	90	72	93	69	81	0	1.5	.1	1.5	8.1	134	25.6	108	91	58	3	0	5	1		
HI HILO	84	71	85	69	78	2	3.2	1.6	1.1	14.4	214	82.7	125	94	70	0	0	7	2		
HONOLULU	89	75	90	75	82	2	1.0	.6	1.0	1.2	43	11.4	102	79	51	1	0	0	0		
KAHULUI	87	71	88	70	79	1	1.0	.6	1.0	1.2	43	11.4	102	79	51	1	0	0	0		
LIHUE	82	73	83	71	78	-1	1.0	.6	1.0	1.2	43	11.4	102	79	51	1	0	0	0		
ID BOISE	90	57	97	49	74	3	1.0	.6	1.0	1.2	43	11.4	102	79	51	1	0	0	0		
LEWISTON	85	56	94	49	71	0	1.1	.2	1.1	1.1	80	5.7	81	57	18	3	0	1	0		
POCATELLO	87	49	94	41	68	1	1.1	.2	1.1	1.1	80	5.7	81	57	18	3	0	1	0		
IL CHICAGO	80	61	87	57	71	-1	1.0	.1	1.0	1.1	80	5.7	81	57	18	3	0	1	0		
MOLINE	82	62	88	58	72	-2	1.0	.1	1.0	1.1	80	5.7	81	57	18	3	0	1	0		
PEORIA	84	62	92	57	73	-1	1.0	.1	1.0	1.1	80	5.7	81	57	18	3	0	1	0		
QUINCY	83	64	91	60	74	-2	1.2	.2	1.2	2.4	57	11.8	64	84	47	1	0	1	1		
ROCKFORD	79	60	84	57	70	-2	1.2	.2	1.2	2.4	57	11.8	64	84	47	1	0	1	1		
SPRINGFIELD	84	63	91	60	74	-2	1.2	.2	1.2	2.4	57	11.8	64	84	47	1	0	1	1		
IN EVANSVILLE	89	67	93	62	78	0	2.1	1.2	2.1	3.5	86	17.6	73	86	49	3	0	1	1		
FORT WAYNE	83	61	87	59	72	-1	1.2	.4	1.2	3.5	86	17.6	73	86	49	3	0	1	1		
INDIANAPOLIS	84	63	89	61	74	-1	1.2	.4	1.2	3.5	86	17.6	73	86	49	3	0	1	1		
SOUTH BEND	79	62	86	60	71	-1	1.9	1.0	1.9	5.1	116	13.5	72	89	57	0	0	2	1		
IA DES MOINES	83	62	90	59	72	-1	1.2	.2	1.2	6.5	134	14.0	84	89	50	1	0	1	1		
SIOUX CITY	83	60	88	58	72	-2	1.2	.2	1.2	6.5	134	14.0	84	89	50	1	0	1	1		
WATERLOO	80	61	83	56	70	-2	1.2	.2	1.2	6.5	134	14.0	84	89	50	1	0	1	1		
KS CONCORDIA	89	62	95	58	75	-2	2.2	1.3	1.8	5.7	121	9.9	67	86	43	4	0	3	3		
DODGE CITY	99	61	106	54	80	2	1.7	.7	1.7	2.2	66	5.9	53	89	24	7	0	3	0		
GOODLAND	92	56	97	52	74	1	1.5	.5	1.5	2.5	72	7.4	73	87	25	5	0	1	1		
TOPEKA	89	64	94	60	77	0	1.8	.7	1.8	3.6	62	10.4	58	91	44	5	0	2	1		
WICHITA	96	66	101	64	81	3	1.8	.7	1.8	3.6	62	10.4	58	91	44	5	0	2	1		
KY BOWLING GREEN	87	66	93	62	76	0	2.2	1.2	2.1	6.0	133	33.6	125	98	54	3	0	2	1		
LEXINGTON	84	63	90	57	73	-1	1.9	.9	1.9	3.8	97	29.6	130	95	55	1	0	1	1		
LOUISVILLE	87	66	95	60	77	1	1.8	.7	1.8	3.6	62	10.4	58	91	44	5	0	2	1		
LA BATON ROUGE	90	75	91	69	83	1	1.0	.6	1.0	1.2	43	11.4	102	79	51	1	0	0	0		
LAKE CHARLES	93	78	95	74	86	4	1.0	.6	1.0	1.2	43	11.4	102	79	51	1	0	0	0		
NEW ORLEANS	93	75	94	71	84	3	1.0	.6	1.0	1.2	43	11.4	102	79	51	1	0	0	0		
SERVEPORT	93	74	96	68	84	3	1.1	.6	1.1	2.8	63	24.7	93	94	54	7	0	2	0		

Based on 1961-90 normals.

Weather Data for the Week Ending July 2, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	79	63	82	59	71	8	2.0	1.2	1.4	6.2	196	21.7	140	92	39	0	0	0	0	5	1
PORTLAND	81	62	86	60	71	5	1.1	1.7	1.1	1.5	34	22.4	102	96	64	0	0	0	2	0	1
MD BALTIMORE	88	68	92	64	78	2	0	0	0	0	73	25.7	127	94	51	0	0	0	3	0	1
SALISBURY	88	66	93	59	77	2	0	0	0	0	27	23.2	106	95	48	0	0	0	2	0	1
MA BOSTON	88	67	90	66	78	6	0	0	0	0	28	24.1	115	92	48	0	0	0	2	0	0
CHATHAM	75	61	77	59	68	0	0	0	0	0	56	27.7	123	97	78	0	0	0	1	0	0
MI ALPENA	78	52	84	48	65	0	0	0	0	0	100	11.8	89	95	48	0	0	0	2	0	0
DETROIT	80	62	86	59	71	0	0	0	0	0	104	15.7	100	89	56	0	0	0	2	0	1
FLINT	77	58	84	55	67	-1	1.6	0.5	0.8	3.3	6.0	104	15.7	100	89	56	0	0	0	2	0
GRAND RAPIDS	79	59	85	55	69	-1	1.6	0.5	0.8	3.3	6.5	192	16.7	121	91	58	0	0	0	3	0
HOUGHTON LAKE	77	54	81	48	66	0	0	0	0	0	183	18.9	116	90	56	0	0	0	3	0	0
LANSING	78	58	85	55	68	-1	0	0	0	0	1.7	54	10.8	85	87	50	0	0	0	3	0
MARQUETTE	72	51	83	46	61	-2	0	0	0	0	5.5	15.2	107	94	57	0	0	0	3	0	1
MUSKOGON	75	58	79	55	66	-2	0	0	0	0	2.7	73	11.7	73	89	53	0	0	0	3	0
SAULT ST. MARIE	73	50	80	45	62	-3	0	0	0	0	5.0	202	15.4	107	89	59	0	0	0	3	0
MN ALEXANDRIA	76	56	87	49	66	-3	0	0	0	0	0	0	0	0	95	49	0	0	0	3	0
DULUTH	69	54	73	42	61	-2	0	0	0	0	1.5	34	7.6	61	92	48	0	0	0	2	0
INT'L FALLS	74	53	83	41	63	-2	1.7	0.8	1.0	4.6	109	9.1	84	92	56	0	0	0	5	0	2
MINNEAPOLIS	80	60	83	53	70	-2	0	0	0	0	3.1	72	11.4	82	80	46	0	0	0	3	0
ROCHESTER	77	57	81	52	67	-3	0	0	0	0	2.9	73	13.3	99	80	56	0	0	0	3	0
MS GREENWOOD	92	72	94	67	82	1	2.1	1.2	1.4	5.1	111	24.5	81	94	57	7	0	0	2	2	0
JACKSON	89	71	92	66	80	0	0	0	0	0	1.1	7.4	214	34.0	111	93	60	4	0	1	0
MERIDIAN	93	71	97	65	82	2	1.9	0.9	1.7	7.7	196	38.1	122	91	52	6	0	0	3	1	1
MO CAPE GIRARDEAU	90	68	95	63	79	0	1.2	0.5	1.2	3.4	91	22.1	90	92	47	4	0	0	1	1	0
COLUMBIA	87	65	91	61	76	1	0	0	0	0	2.9	69	21.2	112	90	48	2	0	0	2	0
KANSAS CITY	89	63	95	60	76	-1	2.0	1.0	1.7	4.5	89	15.1	85	89	40	4	0	0	2	1	1
SAINT LOUIS	89	70	94	64	79	1	0	0	0	0	2.2	55	19.1	101	81	45	2	0	0	2	0
SPRINGFIELD	92	66	95	60	79	3	0	0	0	0	3.3	60	24.6	113	87	38	5	0	0	2	0
NY BILLINGS	90	58	95	53	74	5	0	0	0	0	2.1	100	6.9	75	50	19	4	0	1	0	0
GLASCO	84	54	92	51	69	1	0	0	0	0	1.3	112	6.3	110	89	35	1	0	0	3	0
GREAT FALLS	85	49	91	43	67	2	0	0	0	0	0	0	0	0	85	18	2	0	1	0	0
HAYES	83	51	89	47	67	0	0	0	0	0	4.4	0	0	0	87	23	0	0	1	0	0
HELENA	86	53	92	46	70	4	0	0	0	0	0	0	0	0	87	20	4	0	1	0	0
KALISPELL	78	43	85	39	60	0	0	0	0	0	0	0	0	0	93	30	0	0	2	0	0
MILES CITY	90	58	99	52	74	3	0	0	0	0	1.0	34	5.1	62	68	22	4	0	0	0	0
MISSOULA	84	47	92	41	65	2	0	0	0	0	1.5	78	7.6	99	90	20	2	0	2	0	0
MS GRAND ISLAND	85	58	91	55	72	-3	0	0	0	0	0	0	0	0	88	45	1	0	1	1	1
LINCOLN	86	61	90	57	74	-3	1.0	0.1	1.0	5.1	123	9.5	67	88	43	2	0	1	1	1	1
NORFOLK	84	59	89	57	72	-2	1.0	0.0	1.0	6.3	134	11.1	80	85	47	0	0	1	1	1	1
NORTH PLATTE	85	55	91	49	70	-1	0	0	0	0	137	8.4	77	89	43	1	0	1	1	1	1
OMAHA	85	62	89	60	74	-2	1.2	0.4	1.2	10.3	251	15.7	106	90	49	0	0	1	1	1	1
SCOTT'S BLUFF	94	56	99	52	75	4	0	0	0	0	2.8	100	8.0	87	74	18	5	0	0	0	0
VALENTINE	86	53	95	45	70	-3	0	0	0	0	4.4	119	8.4	72	79	31	2	0	0	0	0
NV ELY	91	49	94	38	70	6	0	0	0	0	0	0	0	0	80	12	6	0	0	0	0
LAS VEGAS	112	87	115	86	100	11	0	0	0	0	0	0	0	0	17	7	7	0	0	0	0
RENO	92	55	95	51	73	5	0	0	0	0	0	0	0	0	80	14	6	0	0	0	0
WINHEMCCA	93	51	98	44	72	3	0	0	0	0	0	0	0	0	81	8	5	0	0	0	0
NE CONCORD	85	61	89	57	73	5	0	0	0	0	57	18.0	104	94	43	0	0	0	3	0	0
NJ ATLANTIC CITY	85	64	88	57	74	2	0	0	0	0	0	0	0	0	94	53	0	0	2	0	0
NM ALBUQUERQUE	103	72	107	68	88	10	0	0	0	0	0	0	0	0	29	10	7	0	0	0	0
CLOVIS	104	69	110	66	87	11	0	0	0	0	0	0	0	0	54	14	7	0	1	0	0
ROSWELL	107	75	114	71	91	11	0	0	0	0	0	0	0	0	33	10	7	0	0	0	0
NY ALBANY	82	62	87	60	72	2	0	0	0	0	0	0	0	0	95	56	0	0	4	0	0
BINGHAMTON	77	60	82	58	69	1	2.6	1.8	1.3	6.7	174	22.6	126	93	63	0	0	0	5	2	0
BUFFALO	77	63	82	61	70	1	0	0	0	0	0	0	0	0	90	62	0	0	6	0	0
NEW YORK	87	69	91	68	78	4	1.3	0.4	1.0	2.6	67	23.2	111	84	49	1	0	0	2	1	0
ROCHESTER	78	61	83	60	70	1	0	0	0	0	0	0	0	0	92	61	0	0	3	0	0
SYRACUSE	80	62	86	61	71	3	1.4	0.5	0.5	2.7	66	21.4	120	97	60	0	0	0	5	2	0
NC ASHEVILLE	83	59	86	55	71	-1	3.6	2.5	2.2	5.9	115	28.9	103	99	50	0	0	0	5	2	0
CHARLOTTE	88	69	92	66	79	0	2.8	1.9	0.8	5.2	145	20.1	91	91	51	2	0	0	5	4	0
GREENSBORO	85	64	88	61	75	-1	1.9	1.0	0.8	4.0	97	18.3	87	98	55	0	0	0	6	1	0
HATTERAS	85	73	88	70	79	2	1.1	0.0	0.3	2.6	59	26.0	101	91	71	0	0	0	6	0	0
NEW BERN	89	70	90	69	80	1	0	0	0	0	0	0	0	0	95	54	4	0	4	0	0
RALEIGH	86	68	89	66	77	0	0	0	0	0	0	0	0	0	95	63	0	0	3	0	0
WILKINGTON	88	70	90	69	79	1	0	0	0	0	0	0	0	0	95	59	2	0	4	0	0
ND BISMARCK	77	52	84	46	65	-3	0	0	0	0	0	0	0	0	93	45	0	0	1	0	0
FARGO	77	55	84	49	66	-3	0	0	0	0	0	0	0	0	91	48	0	0	3	0	0
GRAND FORKS	75	56	81	51	66	-2	0	0	0	0	0	0	0	0	92	50	0	0	3	0	0
WILLISTON	79	53	88	46	66	-2	0	0	0	0	0	0	0	0	89	45	0	0	2	0	0
OH AKRON-CANTON	77	59	83	55	68	-3	1.3	0.5	0.5	3.3	97	21.3	118	97	63	0	0	0	3	1	1
CINCINNATI	84	63	91	60	73	-3	2.1	1.2	2.1	4.2	101	19.8	91	94	52	1	0	0	2	1	0
CLEVELAND	77	58	84	54	68	-3	1.3	0.4	0.7	3.4	86	13.4	76	95	64	0	0	0	4	1	1
COLUMBUS	80	61	86	59	71	-1	3.3	2.4	2.0	3.9	96	16.5	87	93	57	0	0	0	4	3	0
DAYTON	82	62	89	59	72	-1	2.8	2.0	1.8	4.6	114	19.9	104	92	52	0	0	0	5	2	0

Based on 1961-90 normals.

Weather Data for the Week Ending July 2, 1994

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	92 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
TOLEDO	79	60	86	56	70	-1	.3	-.6	.3	3.6	92	16.4	103	92	56	0	0	0	2	0	
YOUNGSTOWN	78	59	84	54	69	0	1.4	-.4	.7	2.5	60	18.5	102	97	62	0	0	0	4	1	
OK OKLAHOMA CITY	99	72	103	67	86	6	.4	-.8	.4	1.7	38	13.7	77	84	35	7	7	0	2	0	
TULSA	96	71	99	66	84	3	.4	-.9	.4	2.7	58	18.3	88	85	35	7	0	0	0	0	
OR ASTORIA	64	53	69	47	59	0	.6	.2	.6	2.9	114	34.4	99	94	70	0	0	0	3	1	
BURNS	84	47	91	37	66	3	.0	-.1	.0	.5	57	2.9	56	55	13	2	2	0	0	0	
MEDFORD	92	54	97	48	73	3	.0	-.1	.0	.1	20	4.9	53	81	18	4	4	0	0	0	
PENDLETON	84	55	92	47	69	-1	.0	-.1	.0	.8	117	7.6	116	56	20	1	1	0	0	0	
PORTLAND	76	54	84	52	65	-1	.1	-.2	.1	1.7	112	14.5	77	85	39	0	0	0	2	0	
SALEM	80	50	88	47	65	1	.0	-.2	.0	1.2	83	16.0	79	87	32	0	0	0	0	0	
PA ALLENTOWN	85	65	89	60	75	2	2.7	1.8	1.6	5.5	136	25.7	122	93	55	0	0	0	4	2	
ERIE	76	62	82	58	69	-1	1.8	-.9	1.3	5.8	135	19.6	106	97	66	0	0	0	3	1	
HARRISBURG	87	67	94	63	77	3	.4	-.6	.2	1.8	43	22.6	110	92	42	3	0	0	3	0	
PHILADELPHIA	89	71	94	70	80	7	.7	-.3	.4	1.7	39	22.3	98	90	52	3	0	0	4	0	
PITTSBURGH	81	61	86	55	71	0	1.7	-.9	.6	3.4	85	20.7	109	90	53	0	0	0	6	1	
SCRANTON	81	62	86	58	71	1	1.0	-.1	.5	3.5	83	19.4	110	96	56	0	0	0	3	0	
RI PROVIDENCE	81	65	85	63	73	3	.5	-.3	.5	2.7	76	22.6	99	98	62	0	0	0	1	0	
SC CHARLESTON	87	71	88	69	79	-1	5.4	3.8	3.0	11.7	171	27.5	112	96	65	0	0	0	5	3	
COLUMBIA	89	69	93	66	79	-1	5.7	4.5	4.8	11.3	219	26.3	103	93	53	6	0	0	5	1	
FLORENCE	89	69	93	66	79	-1	1.9	-.8	.8	3.9	82	19.1	87	98	55	4	0	0	4	2	
GREENVILLE	87	66	90	62	76	-1	2.4	1.3	.9	10.1	198	26.3	97	95	51	1	0	0	4	3	
SD ABERDEEN	83	58	92	46	70	0	T	-.8	T	1.1	31	5.4	51	84	39	1	0	0	0	0	
HURON	80	56	90	49	68	-3	.2	-.5	.2	5.3	150	11.7	104	85	46	1	0	0	1	0	
RAPID CITY	89	54	93	44	72	3	T	-.6	T	.7	21	4.9	50	69	23	4	0	0	0	0	
SIOUX FALLS	82	59	92	54	71	-1	T	-.7	T	6.0	168	12.4	104	85	45	1	0	0	1	0	
TN CHATTANOOGA	87	66	91	62	76	-1	4.0	3.0	3.7	7.3	190	41.1	145	97	55	2	0	0	2	1	
KNOXVILLE	85	64	90	61	75	-1	1.8	-.8	1.7	6.0	139	44.6	175	93	53	1	0	0	3	1	
MEMPHIS	92	75	95	72	84	2	.4	-.4	.3	5.1	134	28.9	104	86	45	6	0	0	4	0	
NASHVILLE	88	67	90	64	78	0	3.3	2.4	3.2	8.1	212	35.7	141	90	47	3	0	0	2	1	
TX ABILENE	104	77	109	75	90	8	T	-.6	T	T	0	14.4	126	91	21	7	0	0	0	0	
AMARILLO	102	66	106	62	84	7	.2	-.6	.2	1.3	33	6.1	65	65	20	7	0	0	2	0	
AUSTIN	98	76	102	74	87	4	.0	-.7	.0	.7	19	11.4	67	89	37	7	0	0	0	0	
BEAUMONT	93	78	94	76	85	3	T	-1.3	T	8.4	141	34.6	130	98	62	7	0	0	0	0	
BROWNVILLE	93	77	94	76	85	1	T	-.5	.0	3.3	116	9.6	91	91	53	7	0	0	0	0	
CORPUS CHRISTI	92	75	96	74	84	1	.0	-.7	.0	3.4	96	15.1	114	97	55	7	0	0	0	0	
DEL RIO	105	77	108	75	91	8	.0	-.5	.0	.1	2	9.6	80	92	38	7	0	0	0	0	
EL PASO	112	81	114	77	97	14	T	-.3	T	.7	89	2.8	117	24	11	7	0	0	0	0	
FORT WORTH	97	77	101	70	87	5	.7	-.1	.6	2.1	61	16.6	84	92	46	7	0	0	3	1	
GALVESTON	90	80	91	79	85	2	.0	-1.0	.0	4.1	87	13.3	72	91	69	5	0	0	0	0	
HOUSTON	96	78	97	75	87	5	.0	-1.3	.0	3.4	53	17.8	69	84	53	7	0	0	0	0	
LUBBOCK	106	72	114	66	89	10	.1	-.5	.1	.5	16	8.3	101	92	17	7	0	0	1	0	
MIDLAND	110	75	116	70	92	11	T	-.3	T	1.0	67	3.4	57	88	12	7	0	0	0	0	
SAN ANGELO	107	77	110	74	92	11	T	-.4	T	1.0	43	7.4	75	88	17	7	0	0	0	0	
SAN ANTONIO	98	76	101	74	87	3	.0	-.7	.0	1.7	42	18.2	115	85	35	7	0	0	0	0	
VICTORIA	94	77	95	75	85	3	T	-1.0	T	5.5	112	19.0	92	95	47	7	0	0	0	0	
WACO	98	77	101	75	87	3	.0	-.6	.0	2.0	57	18.3	106	85	38	7	0	0	0	0	
WICHITA FALLS	103	73	113	68	88	6	T	-.7	T	T	0	6.2	36	83	34	7	0	0	0	0	
UT CEDAR CITY	97	63	99	57	80	9	T	-.1	T	.1	21	4.0	74	29	9	7	0	0	0	0	
SALT LAKE CITY	95	65	99	54	80	6	T	-.2	T	T	0	7.7	84	57	18	6	0	0	0	0	
VT BURLINGTON	82	65	86	64	74	5	1.2	.4	.7	4.4	119	18.7	123	92	60	0	0	0	6	1	
VA NORFOLK	90	72	92	71	81	5	3.6	2.6	2.8	4.1	100	26.3	120	84	52	4	0	0	4	2	
RICHMOND	91	67	94	64	79	2	1.1	.2	.9	1.7	44	22.3	108	83	21	5	0	0	3	1	
ROANOKE	87	63	91	57	75	1	1.0	.2	.5	2.3	66	25.1	127	88	46	1	0	0	3	0	
WA QUILLAYUTE	63	49	65	45	56	-1	1.6	1.0	1.5	5.5	167	54.7	100	96	68	0	0	0	4	1	
SEATTLE-TACOMA	70	54	80	51	62	-1	.1	-.1	.1	1.4	89	15.3	82	91	47	0	0	0	2	0	
SPOKANE	78	51	87	46	65	-1	.3	.0	.3	.9	68	6.2	69	89	22	0	0	0	1	0	
YAKIMA	83	52	93	43	68	0	T	-.1	T	.6	121	4.2	101	85	25	1	0	0	0	0	
WV BECKLEY	78	59	83	54	69	0	.4	-.6	.2	3.7	90	28.1	135	92	54	0	0	0	3	0	
CHARLESTON	84	62	91	58	73	-1	1.0	.0	.7	4.4	114	31.9	154	95	54	1	0	0	4	1	
HUNTINGTON	84	63	91	58	74	1	.7	-.3	.5	2.0	54	27.3	129	92	50	2	0	0	4	1	
PARKERSBURG	81	61	86	57	71	-2	1.8	-.8	1.1	3.2	78	27.8	131	99	53	0	0	0	3	2	
WI GREEN BAY	78	57	85	55	68	0	1.2	.4	1.0	2.9	79	14.2	109	88	53	0	0	0	2	1	
LACROSSE	79	62	83	59	70	-2	...	...	...	...	...	...	...	86	44	0	0	0	0	0
MADISON	80	58	85	52	69	-1	1.0	.1	.9	5.7	142	14.2	96	88	53	0	0	0	3	1	
MILWAUKEE	79	63	87	59	71	2	.4	-.4	.3	3.1	89	13.0	84	82	54	0	0	0	2	0	
WASAU	78	57	80	51	67	-1	.2	-.7	.1	1.4	32	8.5	59	88	39	0	0	0	3	0	
WY CASPER	95	51	100	45	73	6	T	-.3	T	.2	14	3.1	43	86	9	6	0	0	0	0	
CHEYENNE	90	55	96	48	72	7	T	-.4	T	1.5	67	7.1	91	81	13	3	0	0	2	0	
LANDER	91	55	93	45	73	5	.0	-.3	.0	.3	20	4.7	58	35	9	5	0	0	0	0	
SHERIDAN	91	53	97	46	72	6	T	-.4	T	1.7	72	7.8	89	56	18	4	0	0	0	0	

Based on 1961-90 normals.

June Weather Summary

Two heat waves dominated the Nation's weather. The first took hold at mid-month over the eastern Corn Belt and the Middle Atlantic States, and lasted for a little over a week. Crops were stressed by temperatures as high as the middle to upper 90's, but the heat's timing (prior to reproduction for corn and soybeans) allowed plants to flourish once rain and cooler weather returned late in the month. The latter heat wave developed about June 24 across the Southwest and the southern Plains, and persisted into early July. Aside from increased irrigation demand, the primary agricultural impact was on cotton, which was stressed by all-time record heat (temperatures as high as the middle 110's) in the Texas plains.

Monthly temperatures averaged at least 4°F above normal across the Southwest and throughout the central and southern High Plains. Scattered areas with departures of at least +4°F also stretched from the Ozarks into the Northeast. Temperatures averaged near normal in the Northwest, due to the position of the jet stream, and in the Southeast, due to cloud cover and rainfall.

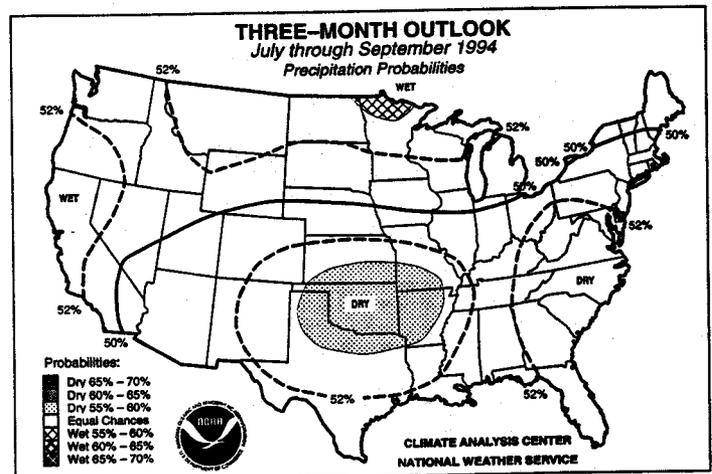
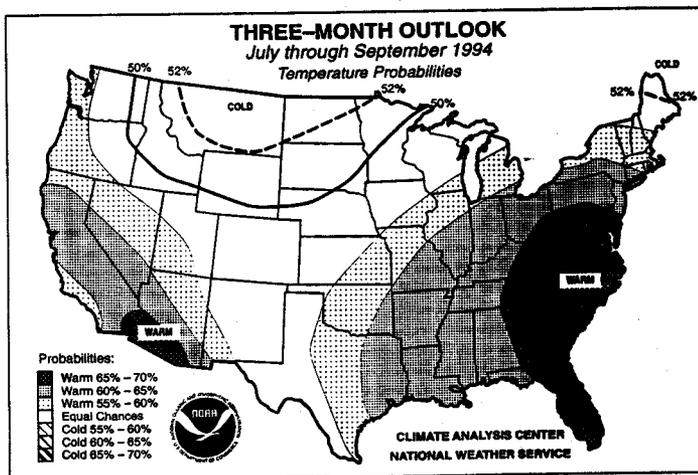
In the Southeast, rainfall was welcomed after a dry spring and a drought during the growing season in 1993. In fact, it was the wettest June on record in Greenville, SC (10.12 inches). Farther north, pockets of dryness lingered by month's end in the eastern Corn Belt and the Middle Atlantic region, but conditions nevertheless improved after the mid-month heat wave. The western Corn Belt remained well-watered, and the central Plains' wheat harvest progressed under generally dry conditions. Torrid, dry weather dominated the Southwest, except for a brief period prior to the late-month heat wave when seasonal (monsoonal) rains spread into parts of Arizona and New Mexico. Above-normal precipitation covered much of the Nation's northern tier.

The preponderance of warmth during June re-scripted the record books in numerous locations. Washington, DC endured a June-record of 14 consecutive 90°F days between June 13 and 26. Baltimore, MD had its hottest June (average temperature of 77.2°F) and set an all-time June record (101°F on June 15). It was also the warmest June on record in Philadelphia, PA, Newark, NJ, Portland, ME, and Denver, CO. After persistently cool weather during the summers of 1992 and 1993, many observing stations from the central Plains to the Great Lakes States notched their hottest readings since 1991, including Scottsbluff, NE (100°F on June 13) and Sault Sainte Marie, MI (90°F on June 17).

Meanwhile, a cool snap was affecting the Northwestern States. Frost was reported in agricultural valleys and plains from Washington to Montana. On June 15, lows included 35°F in Yakima, WA and 33°F in Great Falls, MT. Pocatello, ID recorded 34°F on June 17. Up to a half-foot of snow blanketed the highest elevations of Wyoming's Big Horn range.

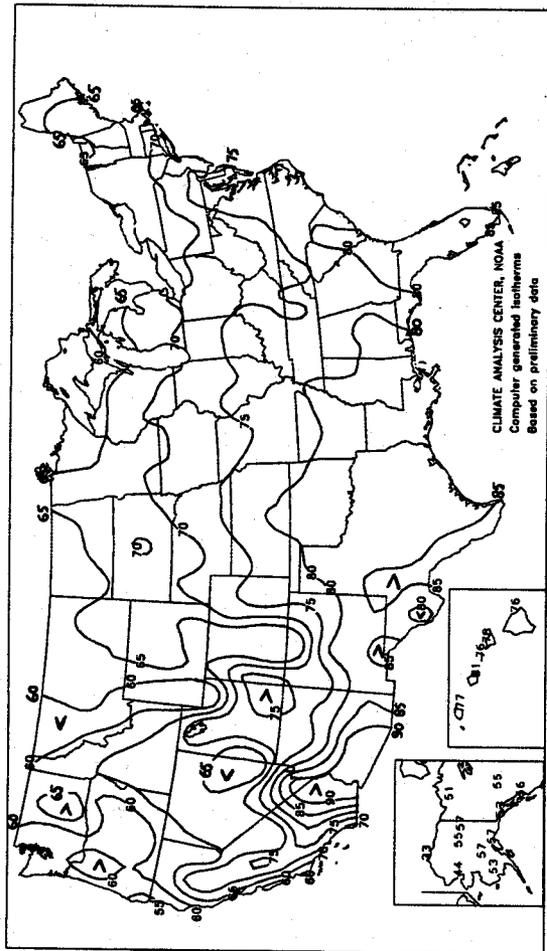
Only a few days later, the ridge of high pressure that settled over the Southwest on June 23 contained some of the continent's hottest air on record. Readings of 128°F on June 29 in Lake Havasu City, AZ and Death Valley, CA broke the existing June record for the United States. Besides Arizona, State records fell in New Mexico (119°F at Lakewood on June 27) and Nevada (125°F in Laughlin on June 29). In southwestern Oklahoma on June 27, a reading of 120°F 4 miles south of Tipton tied the State record. Midland, TX (116°F), Lubbock, TX (114°F), and Roswell, NM (114°F) broke existing station records by 4°F each.

Note: Greg Preston's "June Crop Summary" will appear in next week's *Bulletin*.



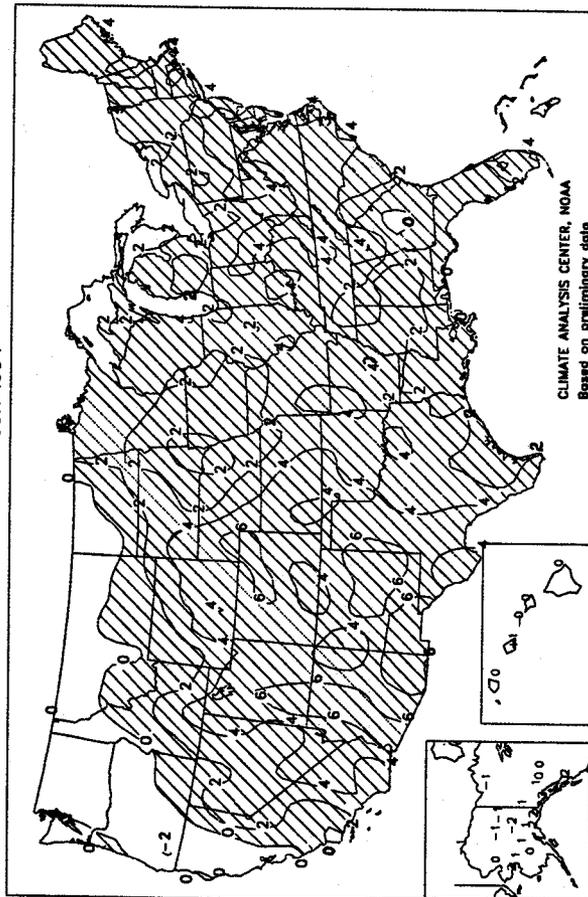
AVERAGE TEMPERATURE(°F)

JUN 1994



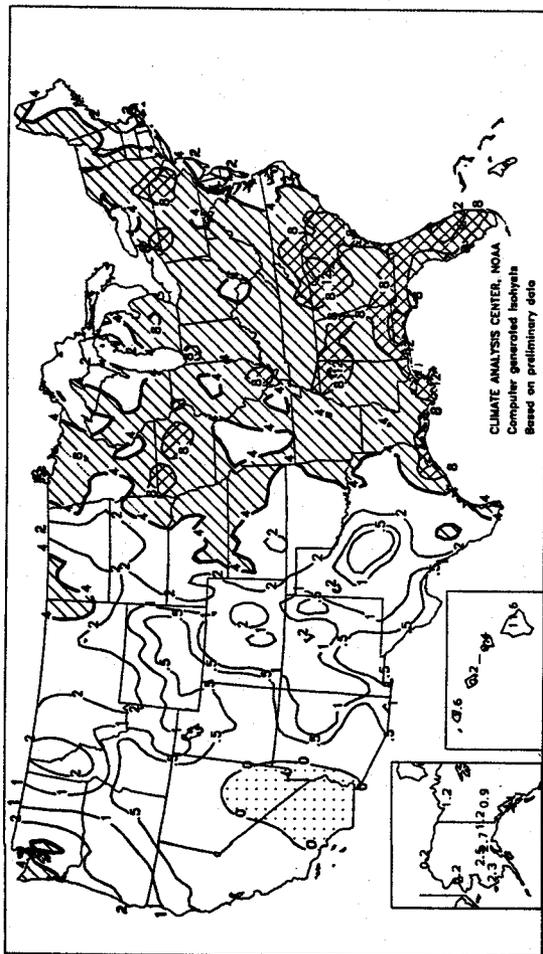
Departure of Average Temperature from Normal(°F)

JUN 1994



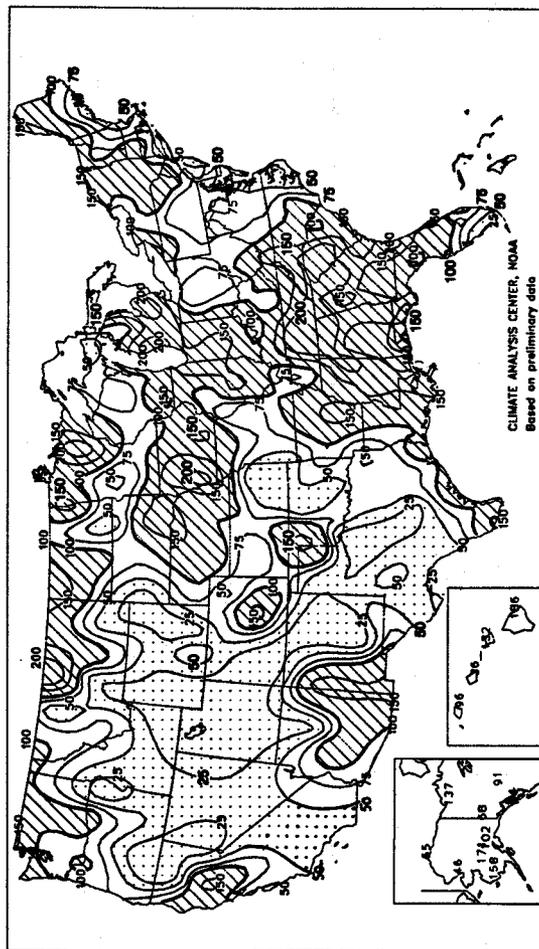
TOTAL PRECIPITATION (inches)

JUN 1994



PERCENT OF NORMAL PRECIPITATION

JUN 1994



TEMPERATURE AND PRECIPITATION SUMMARY

June 1994

STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.		STATES AND STATIONS	Temp. °F		Precip.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	78	2	5.4	1.7	LA BATON ROUGE	80	0	5.2	0.7	OK YOUNGSTOWN	69	3	2.2	-1.7
AL HUNTSVILLE	78	2	10.0	5.9	LA LAKE CHARLES	82	2	4.0	-1.0	OK OKLAHOMA CITY	80	3	0.7	-3.6
AL MOBILE	80	-1	5.1	0.0	LA NEW ORLEANS	81	2	9.4	3.5	OK TULSA	80	3	2.7	-1.7
AK MONTICOMERY	80	3	6.6	1.6	ME BREVINPORT	81	3	2.8	-1.4	OR ASTORIA	56	0	2.3	-0.1
AK ANCHORAGE	57	2	1.4	0.2	ME CARIBOU	64	3	4.6	1.7	OR BURNS	59	1	0.5	-0.3
AK BARROW	33	-1	0.2	-0.1	ME PORTLAND	66	3	1.2	-2.2	OR MEDFORD	65	-1	0.1	-0.5
AK FAIRBANKS	58	-1	2.4	1.0	MD BALTIMORE	77	5	2.8	-0.8	OR PENDLETON	64	-2	0.8	0.1
AK JUNEAU	55	2	1.1	-2.0	MD BALISBURY	76	4	1.0	-2.6	OR PORTLAND	63	-1	1.7	0.2
AK KODIAK	52	2	3.4	-1.4	MA BOSTON	72	4	0.9	-2.2	OR SALEM	62	1	1.2	-0.2
AK NOME	48	2	0.1	-1.0	MA CHATHAM	64	3	1.9	-1.3	PA ALLENTOWN	74	4	5.5	1.7
AZ FLAGSTAFF	63	3	0.1	-0.3	MI ALPENA	64	3	3.2	0.2	PA ERIE	69	2	5.8	1.7
AZ PHOENIX	92	4	T	-0.1	MI DETROIT	72	4	4.0	0.4	PA HARRISBURG	76	5	1.5	-2.4
AZ PHOENIX	92	4	T	-0.1	MI FLINT	68	2	6.5	3.3	PA PHILADELPHIA	78	6	1.7	-2.0
AZ PHOENIX	92	4	T	-0.1	MI GRAND RAPIDS	69	2	7.2	3.5	PA PITTSBURGH	73	5	2.9	-0.8
AZ PHOENIX	92	4	T	-0.1	MI HOGGTON LAKE	65	3	1.7	-1.3	PA SCRANTON	70	3	3.5	-0.4
AZ PHOENIX	92	4	T	-0.1	MI LANSING	67	1	5.5	2.2	PA WILLIAMSPORT	71	4	3.6	-0.7
AR FORT SMITH	82	5	3.6	0.2	MI MARQUETTE	62	3	2.6	-0.9	RI PROVIDENCE	69	2	2.7	-0.6
AR LITTLE ROCK	81	3	6.2	2.0	MI MONTROVIE	66	1	5.0	2.6	SC CHARLESTON	80	1	11.7	5.3
CA BAKERSFIELD	78	0	0.0	-0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	SC COLUMBIA	80	3	11.1	6.5
CA BAKERSFIELD	78	0	0.0	-0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	SC FLORENCE	80	3	3.9	-0.5
CA BISHOP	73	2	-	-	MI SAULT STE. MARIE	60	2	2.8	-0.4	SC GREENVILLE	77	2	10.1	5.4
CA BUREKA	57	2	0.7	0.2	MI SAULT STE. MARIE	60	2	2.8	-0.4	SD ABERDEEN	70	4	1.1	-2.2
CA FRESNO	78	1	0.0	-0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	SD BUREKA	69	1	5.1	1.8
CA LOS ANGELES	68	3	0.0	0.0	MI SAULT STE. MARIE	60	2	2.8	-0.4	SD RAPID CITY	69	4	0.7	-2.4
CA REDDING	74	-1	T	-0.5	MI SAULT STE. MARIE	60	2	2.8	-0.4	SD SIOUX FALLS	72	3	6.0	2.6
CA SACRAMENTO	72	0	0.0	-0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	TN BRISTOL	75	4	4.6	1.1
CA SAN DIEGO	68	1	T	0.0	MI SAULT STE. MARIE	60	2	2.8	-0.4	TN CHATTANOOGA	78	2	7.3	3.7
CA SAN FRANCISCO	62	0	T	-0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	TN KNOXVILLE	76	3	6.0	2.0
CA SANTA MARIA	60	0	T	0.0	MI SAULT STE. MARIE	60	2	2.8	-0.4	TN MEMPHIS	82	3	5.0	1.5
CO ALAMOSA	62	3	0.2	-0.5	MI SAULT STE. MARIE	60	2	2.8	-0.4	TN NASHVILLE	78	2	8.1	4.5
CO CO. SPRINGS	69	4	4.3	2.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX ABILENE	83	3	T	-2.9
CO DENVER	74	7	1.0	-0.8	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX AMARILLO	79	5	1.3	-2.4
CO GRAND JUNCTION	78	5	T	-0.7	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX AUSTIN	84	3	0.7	-3.0
CO PUEBLO	73	2	2.6	1.3	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX BEAUMONT	83	2	8.4	2.8
CT BRIDGEPORT	72	4	1.5	-2.0	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX BROWNSVILLE	84	1	3.3	0.6
CT HARTFORD	71	2	3.8	0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX CORPUS CHRISTI	83	1	3.4	0.0
DC WASHINGTON	79	4	1.6	-1.8	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX DEL RIO	87	5	0.1	-2.8
FL APALACHICOLA	81	1	12.8	8.3	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX EL PASO	89	8	0.7	0.0
FL DAYTONA BEACH	80	1	6.5	0.6	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX FORT WORTH	84	5	2.0	-1.2
FL FT. MYERS	84	2	3.1	-6.4	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX GALVESTON	83	2	4.1	-0.3
FL JACKSONVILLE	81	1	14.0	8.5	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX HOUSTON	83	3	3.4	-2.7
FL KEY WEST	85	2	0.3	-4.8	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX LARDO	-	-	-	-
FL MIAMI	84	2	5.0	-4.4	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX LOBBACK	83	5	0.5	-2.3
FL ORLANDO	81	0	10.3	3.0	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX MIDLAND	85	5	1.0	-0.4
FL TALLAHASSEE	80	1	8.8	1.9	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX SAN ANGELO	84	5	1.0	-1.3
FL TAMPA	83	2	6.0	0.5	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX SAN ANTONIO	85	2	1.7	-2.2
GA WEST PALM BEACH	82	1	9.5	1.5	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX VICTORIA	83	3	5.5	0.9
GA ATHENS	78	2	13.3	9.4	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX WACO	83	2	2.0	-1.3
GA ATLANTA	80	4	2.4	-1.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	TX WICHITA FALLS	82	4	T	-3.9
GA AUGUSTA	79	1	5.8	1.7	MI SAULT STE. MARIE	60	2	2.8	-0.4	UT BLANDING	-	-	-	-
GA MACON	78	0	5.0	1.4	MI SAULT STE. MARIE	60	2	2.8	-0.4	UT CEDAR CITY	73	6	0.1	-0.3
GA SAVANNAH	81	2	7.8	2.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	UT SALT LAKE CITY	74	5	T	-0.9
HI HILO	76	1	13.3	7.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	VT BURLINGTON	69	3	3.6	0.2
HI HONOLULU	81	2	0.2	-0.3	MI SAULT STE. MARIE	60	2	2.8	-0.4	VA LYNCHBURG	74	2	4.5	1.1
HI KAHULUI	78	0	0.4	0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	VA NORFOLK	80	5	1.3	-2.6
HI LIHUE	77	-1	1.6	-0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	VA RICHMOND	78	4	1.7	-1.9
ID BOISE	68	2	0.2	-0.6	MI SAULT STE. MARIE	60	2	2.8	-0.4	VA ROANOKE	75	4	2.0	-1.2
ID LEWISTON	66	-1	1.0	-0.2	MI SAULT STE. MARIE	60	2	2.8	-0.4	WA COLVILLE	62	1	2.5	1.0
ID POCATELLO	64	2	0.1	-0.9	MI SAULT STE. MARIE	60	2	2.8	-0.4	WA GUILLOTTE	55	0	4.0	0.9
IL CAIRO	-	-	-	-	MI SAULT STE. MARIE	60	2	2.8	-0.4	WA SEATTLE-TACOMA	61	0	1.2	-0.2
IL CHICAGO	70	2	6.1	2.3	MI SAULT STE. MARIE	60	2	2.8	-0.4	WA SPOKANE	61	-1	0.9	-0.4
IL MOLINE	73	2	4.8	0.6	MI SAULT STE. MARIE	60	2	2.8	-0.4	WA WALLA WALLA	69	1	0.4	-0.6
IL PEORIA	74	3	1.8	-2.2	MI SAULT STE. MARIE	60	2	2.8	-0.4	WA YAKIMA	63	-2	0.6	0.1
IL QUINCY	74	2	1.2	-2.6	MI SAULT STE. MARIE	60	2	2.8	-0.4	WV BECKLEY	70	3	3.7	-0.1
IL ROCKFORD	72	3	5.5	1.0	MI SAULT STE. MARIE	60	2	2.8	-0.4	WV CHARLESTON	74	3	4.4	0.8
IL SPRINGFIELD	75	2	6.0	2.6	MI SAULT STE. MARIE	60	2	2.8	-0.4	WV ELKINS	69	4	4.6	0.1
IN EVANSVILLE	79	3	3.4	-0.3	MI SAULT STE. MARIE	60	2	2.8	-0.4	WV HUNTINGTON	75	5	2.0	-1.4
IN FORT WAYNE	74	3	3.5	-0.1	MI SAULT STE. MARIE	60	2	2.8	-0.4	WV PARKERSBURG	74	3	3.2	-0.6
IN INDIANAPOLIS	75	3	7.0	3.5	MI SAULT STE. MARIE	60	2	2.8	-0.4	WI GREEN BAY	68	4	2.8	-0.5
IN SOUTH BEND	71	2	5.1	1.0	MI SAULT STE. MARIE	60	2	2.8	-0.4	WI LACROSSE	72	3	2.7	-1.2
IA DES MOINES	72	2	5.3	0.7	MI SAULT STE. MARIE	60	2	2.8	-0.4	WI MADISON	70	3	5.7	1.9
IA DES MOINES	72	2	5.3	0.7	MI SAULT STE. MARIE	60	2	2.8	-0.4	WI MILWAUKEE	70	5	3.1	-0.2
IA DUBUQUE	70	2	5.8	1.6	MI SAULT STE. MARIE	60	2	2.8	-0.4	WI WAUSAU	68	3	1.4	-2.6
IA SIOUX CITY	73	2	3.4	-0.3	MI SAULT STE. MARIE	60	2	2.8	-0.4	WY CASPER	68	6	0.2	-1.2
IA WATERLOO	72	3	5.4	0.9	MI SAULT STE. MARIE	60	2	2.8	-0.4	WY CHEYENNE	66	5	1.4	-0.6
KS CONCORDIA	76	2	5.1	0.6	MI SAULT STE. MARIE	60	2	2.8	-0.4	WY LANDER	67	4	0.3	-1.2
KS DODGE CITY	78	4	1.9	-1.2	MI SAULT STE. MARIE	60	2	2.8	-0.4	WY SHERIDAN	65	3	1.7	-0.6
KS GOODLAND	73	4	1.9	-1.3	MI SAULT STE. MARIE	60	2	2.8	-0.4	PR SAN JUAN	83	1	4.5	0.5
KS TOPEKA	76	3	1.8	-3.7	MI SAULT STE. MARIE	60	2	2.8	-0.4					
KS WICHITA	79	5	2.7	-2.9	MI SAULT STE. MARIE	60	2	2.8	-0.4					
KY BOWLING GREEN	77	3	6.0	1.8	MI SAULT STE. MARIE	60	2	2.8	-0.4					
KY JACKSON	75	3	4.9	0.6	MI SAULT STE. MARIE	60	2	2.8	-0.4					
KY LEXINGTON	75	3	3.8	0.2	MI SAULT STE. MARIE	60	2	2.8	-0.4					
KY LOUISVILLE	77	4	1.8	-1.6	MI SAULT STE. MARIE	60	2	2.8	-0.4					
KY PADUCAH	78	3	2.3	-1.7	MI SAULT STE. MARIE	60	2	2.8	-0.4					
LA BATON ROUGE	80	0	5.2	0.7	MI SAULT STE. MARIE	60	2	2.8	-0.4					
LA LAKE CHARLES	82	2	4.0	-1.0	MI SAULT STE. MARIE	60	2	2.8	-0.4					
LA NEW ORLEANS	81	2	9.4	3.5	MI SAULT STE. MARIE	60	2	2.8	-0.4					
ME BREVINPORT	81	3	2.8	-1.4	MI SAULT STE. MARIE	60	2	2.8	-0.4					
ME CARIBOU	64	3	4.6	1.7	MI SAULT STE. MARIE	60	2	2.8	-0.4					
ME PORTLAND	66	3	1.2	-2.2	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MD BALTIMORE	77	5	2.8	-0.8	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MD BALISBURY	76	4	1.0	-2.6	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MA BOSTON	72	4	0.9	-2.2	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MA CHATHAM	64	3	1.9	-1.3	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI ALPENA	64	3	3.2	0.2	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI DETROIT	72	4	4.0	0.4	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI FLINT	68	2	6.5	3.3	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI GRAND RAPIDS	69	2	7.2	3.5	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI HOGGTON LAKE	65	3	1.7	-1.3	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI LANSING	67	1	5.5	2.2	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI MARQUETTE	62	3	2.6	-0.9	MI SAULT STE. MARIE	60	2	2.8	-0.4					
MI MONTROVIE	66	1	5.0	2.										

National Agricultural Summary

June 27 - July 3, 1994

HIGHLIGHTS: Temperatures in the triple digits stressed dryland crops in the Southwest. The heat wave ended over the weekend and left the Southwestern region with dry fields susceptible to fires from lightning. The hot, dry weather left most Western States with soil moisture shortages near 100 percent. Winter wheat harvest advanced rapidly in the central Great Plains, with some delays from scattered rains. Precipitation in the Corn Belt improved soil moisture conditions and brought cooler weather. Crop development in the upper Mississippi Valley was good, compared with development in previous years and was ahead of normal. Producers in the Texas Plains reported difficulty in satisfying irrigation water demands due to the hot, dry winds. Tropical storm Alberto brought damaging rain and winds to Georgia that drowned some cotton fields.

SMALL GRAINS: The winter wheat crop condition was mostly good, but still below last year's rating. Winter wheat harvested was 65 percent(%) complete, up 24 percentage points from last week and 18 points ahead of the 5-year average. The hot, dry weather from the previous week in parts of the Great Plains caused the winter wheat to mature faster and allowed an early harvest. The wheat harvested in Kansas advanced 40 points to 100 percent complete, and was 40 points ahead of the average. Winter wheat harvested increased 59 points from last week in Colorado to 70% complete, 65 points ahead of the average. Missouri, Oklahoma, and Texas finished the week 10 points ahead of the average for winter wheat harvested. Spring wheat was 61% headed, up 29 points from last week and 4 points ahead of the average.

The condition for **spring wheat** was mostly good, but below last year's condition.

FIELD CROPS: Corn condition was mostly good, up from last week and the previous year. Cooler weather and favorable rains in the Corn Belt improved the corn condition but slowed, development slightly. Corn silking for the 17 major States was 5%, 1 point behind the average. Illinois, Indiana, and Ohio were behind the average for corn silking, while North Carolina was

13 points ahead. The average corn height ranged from 24 inches for Pennsylvania to 53 inches for Iowa, which was a 15-inch increase for Iowa from last week. Some farmers were spraying for corn borers in the middle Mississippi Valley.

Cotton squaring for the 14 major producing States was 71% complete, up 15 points from last week and 12 points ahead of the average. Cotton setting bolls was 19% for the major producing States, up 8 points from last week and 7 points ahead of the average. California cotton squaring was up 20 points from last week but 15 points behind the average, while Texas was up 17 points from last week and 16 points ahead of the average. Arizona was ahead of the average for cotton squaring but behind the average for cotton setting bolls as a result of some fields experiencing water stress from the high temperatures. Some cotton fields were beginning to show signs of stress from the high temperatures in the Texas plains, with some damage to fields caused by high winds and blowing sands.

Sorghum condition was good to fair, up from last week and last year. Sorghum headed was 23% for the week, 5 points ahead of last year and the average. Sorghum headed was above average in all States except Illinois. Some fields were lodging in the Texas Blacklands for lack of moisture, while the harvest continued elsewhere. Some chinch bug damage was reported in Kansas to sorghum fields.

Rice condition was mostly good and down from last week, up from last year at this time. Rice headed was 39% in Louisiana, up 12 points from last year and 7 points ahead of the average. Louisiana reported rice growers getting ready for harvest on early planted rice fields in some parishes. Arkansas rice headed was 5 points ahead of last year and the average.

Soybean condition was mostly good, up slightly from last week. Soybean blooming was 13% complete, 11 points over last week and 4 points ahead of the average. The average height of soybeans in Indiana and North Dakota was 1 foot, compared with 14 inches for Minnesota.

(Continued from front cover)

OH, 2.70 inches in Allentown, PA, and 2.64 inches in Binghamton, NY. Heavy rain developed across the central Plains late in the week, interrupting winter wheat harvest activities, but delivering otherwise beneficial moisture. In the western Corn Belt, drier weather was welcomed after last week's heavy rains. Maximum temperatures across the Corn Belt were primarily in the 80's, except for some lower 90's in southern and western sections.

In the Southwest, the record-setting, 9-day heat wave peaked on Wednesday with temperatures of 128°F in Lake Havasu City, AZ and Death Valley, CA, breaking the official record for the Nation's highest temperature ever recorded in June (an unofficial mark of 129°F was set at Volcano Springs, CA, on June 23, 1902). Lake Havasu City's reading also broke an all-time State record. With a 125°F reading, a State record was

established in Laughlin, NV. Two days earlier, the southern High Plains endured their fiercest day of heat, with a State record set in New Mexico (119°F at Lakewood), and a State record tied in Oklahoma (120°F 4 miles south of Tipton). On Monday in Texas, Childress and Wink reached 117°F, 3°F shy of a State record. Also on June 25, several stations broke all-time records by 4°F, including Lubbock, TX (114°F), Midland, TX (116°F), and Roswell, NM (114°F). El Paso, TX, which formerly had an all-time record of 112°F, topped the 110°F mark on 7 consecutive days from June 25 to July 1, including a reading of 114°F on Thursday. San Angelo, TX peaked at 105°F or higher on 7 consecutive days (June 25 to July 1) for the first time on record. Albuquerque, NM reached 100°F or higher 8 days in a row ending July 1, the second longest such string on record, and set an all-time record (107°F) on June 26. Meanwhile in Minnesota, a cool airmass allowed temperatures to slip to 42°F at Duluth and St. Cloud, setting daily record lows.

Crop Condition

for the Week Ending July 3, 1994

WINTER WHEAT

State	VP	P	F	G	EX
AR	0	1	36	52	11
CA	0	0	10	85	5
CO	3	22	39	28	8
GA	0	12	25	45	18
ID	0	2	19	63	16
IL	0	4	22	65	9
IN	0	2	19	73	6
KS	0	1	36	59	4
MI	1	9	30	50	10
MO	0	1	51	47	1
MT	1	5	26	39	29
NE	0	8	66	26	0
NC	0	0	18	76	6
OH	1	6	27	55	11
OK	8	12	45	35	0
OR	4	7	27	45	17
SD	1	8	37	49	5
TX	9	17	54	18	2
WA	2	20	25	49	4
19 State	3	8	39	44	6
Prev Week	2	9	38	46	5
Prev Year	3	4	29	55	9

CORN

State	VP	P	F	G	EX
CO	1	5	20	58	16
GA	0	0	2	64	34
IL	0	0	11	75	14
IN	0	3	35	52	10
IA	0	0	5	48	47
KS	0	1	33	61	5
KY	0	0	18	64	18
MI	1	4	25	55	15
MN	0	2	9	65	24
MO	0	1	39	57	3
NE	0	0	15	66	19
NC	0	1	23	69	7
OH	2	9	33	47	9
PA	0	5	18	52	25
SD	1	1	15	66	17
TX	1	2	14	74	9
WI	0	0	5	59	36
17 State	0	1	16	61	22
Prev Week	0	3	18	61	18
Prev Year	2	9	35	46	8

COTTON

State	VP	P	F	G	EX
AL	0	0	31	55	14
AZ	0	0	5	85	10
AR	0	0	6	94	0
CA	0	0	5	85	10
GA	0	0	12	69	19
LA	0	0	8	90	2
MS	0	0	15	55	30
MO	0	0	27	73	0
NM	0	0	13	74	13
NC	0	0	23	71	6
OK	0	0	7	93	0
SC	0	0	41	59	0
TN	0	0	11	70	19
TX	0	8	10	66	16
14 State	0	3	12	72	13
Prev Week	0	1	25	61	13
Prev Year	0	1	33	61	5

SORGHUM

State	VP	P	F	G	EX
AR	0	0	20	80	0
CO	0	1	39	52	8
IL	0	3	17	69	11
KS	0	0	43	56	1
LA	0	5	31	60	4
MS	0	0	0	88	12
MO	0	2	46	52	0
NE	0	0	14	78	8
NM	0	37	41	22	0
OK	0	0	25	75	0
SD	1	2	29	64	4
TX	0	4	13	72	11
12 State	0	2	27	65	6
Prev Week	0	1	30	61	8
Prev Year	0	5	26	56	13

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	7	79	14
AR	0	0	19	81	0
GA	0	0	9	74	17
IL	0	0	15	77	8
IN	0	4	38	53	5
IA	0	0	9	61	30
KS	0	0	33	65	2
KY	0	1	32	59	8
LA	0	9	18	73	0
MI	1	4	30	55	10
MN	1	4	19	63	13
MS	0	8	35	30	27
MO	0	1	47	51	1
NE	0	0	11	82	7
NC	0	1	24	71	4
OH	2	8	32	47	11
SC	0	4	21	75	0
SD	4	0	13	74	9
TN	0	3	19	66	12
19 State	0	2	23	64	11
Prev Week	1	3	25	63	8
Prev Year	2	10	39	45	4

SPRING WHEAT

State	VP	P	F	G	EX
ID	1	3	18	67	11
MN	0	6	23	68	3
MT	1	6	19	41	33
ND	0	5	20	63	12
SD	2	15	38	44	1
5 State	0	6	22	60	12
Prev Week	0	5	21	62	12
Prev Year	1	3	14	65	17

RICE

State	VP	P	F	G	EX
AR	0	0	1	99	0
CA	0	0	15	80	5
LA	0	0	37	63	0
MS	0	0	28	46	26
TX	0	0	0	72	28
5 State	0	0	3	96	1
Prev Week	0	0	2	91	7
Prev Year	0	1	36	63	0

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

CORN SILKING

	Current	Last Wk	1993	Avg.
CO	0	NA	0	0
GA	97	NA	88	93
IL	2	NA	1	9
IN	1	NA	0	3
IA	0	NA	0	0
KS	15	NA	5	15
KY	17	NA	13	15
MI	0	NA	0	5
MN	0	NA	0	0
MO	0	NA	0	0
NE	2	NA	0	1
NC	60	NA	34	47
OH	0	NA	1	4
PA	0	NA	0	0
SD	0	NA	0	0
TX	62	NA	57	64
WI	0	NA	0	0
17 States	5	NA	4	6

GRAIN SORGHUM HEADED

	Current	Last Wk	1993	Avg.
AR	20	NA	3	9
CO	0	NA	0	0
IL	2	NA	0	3
KS	2	NA	0	0
LA	42	NA	16	33
MS	56	NA	12	21
MO	0	NA	0	0
NE	0	NA	0	0
NM	0	NA	0	0
OK	1	NA	2	1
SD	0	NA	0	0
TX	64	NA	54	53
12 States	23	NA	18	18

These 12 States produced 98% of the 1993 grain sorghum crop.

Crop Progress for the Week Ending July 3, 1994

These 17 States produced 91% of the 1993 corn crop.

(Continued to the back cover)

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 1.12 to 4.21 in. north; 0.11 to 4.58 in. central; none to 3.52 in. south. Temperatures 2° below normal to 2° above normal statewide. Lows 63 to 68° north; 61 to 69° central; 61 to 70° south. Highs 87 to 91° north; 89 to 95° central; 92 to 95° south.

Days suitable for fieldwork 3.6. Soil moisture 64% adequate, 36% surplus. Corn silked 65%, 57% 1993, 73% avg. Corn dented 20%, 10% 1993, 16% avg.; 19% fair, 65% good, 16% excellent. Sorghum planted 92%, 72% 1993, 89% avg.; 4% fair, 92% good, 4% excellent. Peanuts pegged 27%, 16% 1993, 46% avg.; 28% fair, 72% good. Wheat harvested 83%, 79% 1993, 86% avg. Hay first cutting 95%, 93% 1993, 94% avg. Pasture 10% fair, 70% good, 20% excellent. Livestock 7% fair, 77% good, 16% excellent. Seasonal activities: Planting sorghum, soybeans, vegetables, controlling weeds, insects.

ALASKA: Scattered showers, cloudy skies pushed average daily temperatures down slightly last week. Cooler temperatures slowed crop growth in some areas.

Days suitable for haying 3. Crop growth 5% slow, 65% moderate, 30% rapid. First crop hay harvest was 10% complete compared to 25% a year earlier. Height of small grain averaged 9 inches, 7 inches less than last year. Condition of barley was 15% poor, 30% fair, 50% good, 5% excellent. Commercial potato height averaged 6 inches, 3 inches less than in 1993. Pasture, range conditions were 5% poor, 25% fair, 70% good. Topsoil 15% short, 85% adequate. Subsoil moisture 20% short, 80% adequate.

ARIZONA: Temperatures above normal; 5 to 11° above. Extremes 43°; 110° higher elevations; 70°; 123° deserts. Precipitation reported, mostly upper elevation stations; trace to 0.54 in.

Some cotton fields reporting water stress, condition continues good; squaring 99%, 94% 1993, 95% avg.; setting bolls 55%, 57% 1993, 61% avg. Weed infestations continue light; insect, disease infestations light to moderate. Small grains harvested 98%, 98% 1993, 98% avg. Condition remaining good. Alfalfa condition good. Harvest mostly active. Weed infestations, insect, disease infestations light. Citrus harvest dwindling; grapefruit, valencia oranges available western, central areas. Grape harvest continued central, western vineyards. Vegetables harvested from central areas included cabbage, green onions, potatoes. Cantaloupe, honeydew, watermelons available both areas. Dry onions, tomatoes available eastern areas. Range, pasture conditions deteriorated significantly due to above normal summer temperatures. Range conditions 64% normal, 12% points lower than last month. Higher elevation rangeland in poor to fair shape, middle to low elevation grazing areas were very poor. Cattle, calves mostly fair condition. Stockwater supplies continued short to adequate, soil moisture mostly short. Below average to average amounts feed supplies remained available range, pasture land. Light insect damage was reported with grasshopper infestations reported north central areas.

ARKANSAS: Temperatures slightly above normal with scattered showers, thunderstorms, heavy in some areas. Extreme 56°; 103°. Precipitation none to 3.85 in.

Days suitable for fieldwork 6. Soil moisture 38% short, 58% adequate, 4% surplus. Crop development ahead of schedule. Sunflowers in good condition. Peaches, blueberries, tomatoes, watermelons mostly good. Peach, blueberry, tomato harvests ongoing. Hay harvest continuing. Alfalfa 12% poor, 37% fair, 51% good. Other hay 7% poor, 49% fair, 44% good. Pasture 4 very poor, 1% poor, 45% fair, 47% good, 3% excellent. Livestock good condition.

CALIFORNIA: High pressure over the west brought hot, dry weather to most of the State. Triple digit highs were common away from the ocean, temperatures around 5° above normal. Highest 123° at Blythe. No precipitation.

Open weather permitted good progress field activities. Wheat harvest wound down. Stubble burning, discing, preparation second crop seedlings followed harvest. Rice excellent growth; treatments weeds, water weevils neared completion. Cotton development one week behind normal most growing areas. Fields irrigated, thinned, weeded, sprayed lygus, mites, whitefly. Planting grain corn, silage corn active on harvested small grain fields. Blackeye beans, safflower, seed alfalfa blooming. Safflower irrigated, treated lygus. Corn, dry beans sprayed insects, mites. Over-wintered sugarbeets harvested. Alfalfa, oats, sudangrass cut hay, greenchopped. Stonefruit picking active with warmer weather. Vineyards irrigated and treated for mildew, weeds, leaf hopper. Table grape picking neared end in desert; beginning in San Joaquin Valley. Kiwifruit, almonds, walnuts continued to size. Strawberry harvest remained active. Valencia orange, summer

grapefruit, south coast lemon picking active. Broccoli, cauliflower harvests, normal pace coastal areas. Celery harvest continued central coast. Many shippers Oxnard district curtailed harvest, poor market. Carrot harvest continued Kern county. Lettuce harvest active coastal areas. Dry onion harvest winding down southern San Joaquin Valley, still active central, northern portions. Melon harvest continued desert valleys, southern San Joaquin valley. Extreme heat caused some quality problems desert valley melons. Planting melons, other cucurbits for seed continued Sacramento Valley. Fresh market, processing tomato harvests gained momentum San Joaquin Valley. Other crops harvested included sweet corn, eggplant, radishes, summer squash, peas, green beans, tomatillos, various oriental vegetables. Cattle and sheep in good condition. Pasture, rangeland feed mostly fair to poor. Ranges, pastures drying, remained fire hazard. Higher range pastures starting to dry. Supplemental feeding active due to deteriorating pasture conditions. Water supplies reported adequate. Sheep grazing grain stubble fields.

COLORADO: It was hot, dry, windy across the State the first part of the week. There were isolated thunderstorms on the 29th. On the 2nd, 3rd, slow moving thunderstorms dropped 0.50 to 2.00 in. portions of eastern State with reports of pea to marble size hail in the east, golf ball size hail in Kiowa county. Very little rainfall on the western slope. Temperatures 2 to 8° above normal.

Days suitable for fieldwork 6.6. Soil moisture 23% very short, 38% short, 38% adequate, 1% surplus. Alfalfa first cutting 85% complete, 83% 1993, 79% avg.; second cutting 11% complete, 6% 1993, 7% avg. Spring barley 92% headed, 74% 1993, 75% avg.; 18% turning color, 20% 1993, 27% avg. Spring barley 1% very poor, 7% poor, 17% fair, 66% good, 9% excellent. Dry bean planting complete, 95% emerged, 93% 1993, 91% avg.; 4% poor, 16% fair, 69% good, 11% excellent. Oats 81% headed, 64% 1993, 74% avg.; 42% turning color, 30% 1993, 22% avg.; 1% very poor, 7% poor, 24% fair, 59% good, 9% excellent. Dry onions 14% fair, 64% good, 22% excellent. Sugarbeets 4% poor, 43% fair, 43% good, 10% excellent. Spring wheat 69% headed, 48% 1993, 57% avg.; 10% turning color, 5% 1993, 8% avg.; 9% poor, 23% fair, 51% good, 17% excellent. Sorghum 98% planted, 95% 1993, 96% avg.; 90% emerged, 89% 1993, 81% avg. Summer potatoes 1% very poor, 1% poor, 16% fair, 55% good, 27% excellent. Fall potatoes 13% fair, 60% good, 27% excellent. Winter wheat 98% turning color, 91% 1993, 83% avg.; 85% ripe, 19% 1993, 22% avg. Winter wheat harvesting well ahead of normal. Dryland crops continue to strain from hot dry weather. Livestock mostly good. Pasture, range feed condition fair to poor, except the northeast plains where condition is very poor.

FLORIDA: Temperatures 2° above normal Panhandle, to 2° below normal Peninsula. Rain highly variable, some areas less than 1.00 in., others 3.00 to 5.25 in. Highs; low to mid 90s. Lows; upper 60s to upper 70s.

Soil moisture mostly adequate to surplus Panhandle, northern Peninsula. Central, southern Peninsula adequate moisture with scattered areas short. Soybean planting virtually complete. Rain delaying tobacco harvest, causing drying problems. Corn, cotton, peanuts, sugarcane making good progress. Hay delayed by wet conditions. Hot temperatures with frequent thunderstorms all citrus areas. Abundant new growth. Very good new crop growth. Valencia harvest almost over for this year. Few processors still running. Very few grapefruit picked this week. Caretakers cutting cover crops, spraying, fertilizing, pushing dead trees, replanting in all areas. Vegetable crop condition fair north production area. Crops hurt by heavy rains past week. Season complete for most crops. Sweet corn, squash, tomatoes, watermelons still being harvested. Some central area growers preparing fields for fall crop planting. Available: Sweet corn, okra, peppers, tomatoes, cherry tomatoes, watermelons. Pasture feed 5% fair, 65% good, 30% excellent. Cattle herds good to excellent.

GEORGIA: Rainfall exceeded 1.00 in. most locations. 3.00 to 5.00 in. southwest, west central areas. Rain 4 days. Temperatures 3° above normal to 3° below normal. Extremes 54°; 95°.

Days suitable for fieldwork 3.2. Soil moisture 3% short, 44% adequate, 53% surplus. Corn 85% dough, 46% 1993, 65% avg.; 39% dent, 17% 1993, 30% avg.; 5% mature, 0% 1993, 3% avg.; some rain, wind damage. Few reports cotton drowned. Sorghum 2% poor, 12% fair, 79% good, 7% excellent; 97% planted, 90% 1993, 94% avg. Peanuts 4% fair, 69% good, 27% excellent; 93% blooming, 82% 1993, 87% avg.; 64% pegging, 45% 1993, 50% avg.; wet fields delaying spray applications. Soybeans 97% planted, 93% 1993, 93% avg.; 4% setting pods, 0% 1993, 0% avg.; few areas north grasshoppers in no-till. Tobacco 13% fair, 62% good, 25% excellent; 16% harvested, 8% 1993, 15% avg.; some damage heavy rains and winds. Watermelons 1% poor, 38% fair, 59% good, 2% excellent; 60% harvested, 35% 1993, 43% avg.; disease problems due to wet weather.

Other vegetables 1% very poor, 31% fair, 68% good; Diseases due to wet, damp weather, excessive rainfall causing problems. Apples 7% very poor, 17% fair, 67% good, 9% excellent. Peaches 31% fair, 65% good, 4% excellent; 80% harvested, 67% 1993, 72% avg.; rain causing fruit rot. Hay 1% poor, 19% fair, 65% good, 15% excellent; rains, wet fields delaying harvest. Pasture 5% fair, 72% good, 23% excellent; some weed problems. Cattle, hogs good.

HAWAII: Weather variable. Weak shower area associated with former tropical storm Aletta brought mostly light showers cloudiness with windward area all islands. Warm, humid conditions over weekend. High pressure system north of islands produced moderate trade winds early in week 15 to 30 mph. Temperatures low 70s to low 90s. Rainfall none to 5.10.

Weather had mixed effects. Overcast skies, rains slowed crop progress, interrupted activities windward sectors. Warm temperatures, irrigation benefited crops other areas. Sugar, pineapple harvesting on schedule.

IDAHO: Temperatures 3° below to 5° above normal. Precipitation none to 0.91 in. north, none southwest, none south central, none east. Most of the State was warm, dry this week. Panhandle was the exception, receiving cool, wet weather.

Days suitable for fieldwork 7. Soil moisture 12% very short, 36% short, 52% adequate. Potato progress: not yet 12" high 20%, 12" high 47%, closing middles 33%. Barley headed 71%. Dry beans emerged 99%, 93% 1993, 98% avg. Alfalfa hay harvested (1st cutting) 91%, 80% 1993, 83% avg.; (2nd cutting) 5%, 0% 1993, 3% avg. Irrigation water supplies 4% very poor, 28% poor, 20% fair, 43% good, 5% excellent. Activities: Irrigating, cutting alfalfa, harvesting cherries, preparing for grain harvest, detasseling corn, finishing the cultivation of potatoes.

ILLINOIS: No weather data available this week.

Days suitable for fieldwork 5.25. Soil moisture 28% short, 70% adequate, 2% surplus. Corn, average height 50 in., 30 in. 1993, 41 in. avg. Average most advanced height 68 in., 48 in. 1993, 58 in. avg. Soybeans setting pods: less than 1%, less than 1% 1993, 4% avg. Wheat ripe 92%, 75% 1993, 87% avg. Oats filled 84%, 47% 1993, 77% avg.; turning yellow 54%, 10% 1993, 37% avg.; ripe 7%, 3% 1993, 13% avg.; harvested less than 1%, less than 1% 1993, 6% avg.; 5% excellent, 67% good, 22% fair, 6% poor. Alfalfa hay second cutting 47%, 24% 1993, 37% avg.; 9% excellent, 70% good, 19% fair, 2% poor. Red clover hay cut 95%, 82% 1993, 82% avg. Pasture feed 88% of normal. Soil moisture continues short in central portion of State. Corn leaves rolling, growth of soybeans slow in areas that received little rain due to extreme temperatures during last two weeks. Weed control a problem in many areas where herbicides did not activate due to dry weather. Wheat harvest in full swing in southern third of State followed by planting of double crop soybeans. Farm activities included herbicide, insecticide application, cultivation, some side dressing of anhydrous, cutting, baling hay, mowing weeds.

INDIANA: Rain most areas, especially during weekend. Drier than normal early in the week. Highs low to upper 80s, 1 to 3° below normal in the north, within 2° normal, central, south. Lows mostly in the 60s, which was normal to as much as 4° above normal. Highest readings were in the mid 80s to lower 90s. Rainfall around 0.25 to 1.00 in. This kept much of the State drier than normal by around 0.20 to 0.75 in.

Days suitable for fieldwork 4. Rain improved major crops, pasture condition. Wheat harvest in full swing. Cultivating, spraying, harvesting wheat, planting double crop soybeans, baling hay, straw were major activities. Pasture feed improved, fair to poor. Pastures 79% of normal, 74% last week. Topsoil 20% short, 67% adequate, 13% surplus. Subsoil 31% short, 66% adequate, 3% surplus. Winter wheat 67% ripe, 50% 1993, 50% avg. Corn 43 in. high, 31 in. 1993, 38 in. avg. Soybeans 12 in. high, 9 in. 1993, 10 in. avg. Oats headed 99%, 88% avg. Alfalfa 2nd cutting 30%, 29% avg.

IOWA: Temperatures 2 to 3° below normal. Extremes 50°; 90°. Rainfall none, at a few far northwest sites, up to 3.12 in. southwest; state average 1.00 in. which was exactly normal.

Days suitable for fieldwork 5.5. Topsoil 5% short, 87% adequate, 8% surplus. Subsoil 88% adequate, 12% surplus. Height of corn 53", tallest corn 68". Oats turning color 76%, 8% 1993, 33% avg. Corn tasseled 4%, 0% 1993, 2% avg. Alfalfa hay 1st crop harvested 99%, 70% 1993, 92% avg.; 2nd crop harvested 15%, 1% 1993, 8% avg. Clover hay 1st crop harvested 88%, 45% 1993, 74% avg. Winter wheat harvested 6%, 0% 1993, 12% avg. Winter wheat 12% fair, 75% good, 13% excellent. Pasture feed 1% poor, 13% fair, 69% good, 17% excellent. Oats 19% fair, 69% good, 12% excellent. Hay 3% poor, 20% fair, 65% good, 12% excellent. Many farmers are spraying for corn borers. Livestock were reported in mostly good condition.

KANSAS: Temperatures 2 to 5° above normal. Precipitation mostly light. Central district nearly 1.00 in.

Days suitable for fieldwork 6.5. Surface soil moisture 78% short to very short, 22% adequate. Subsurface moisture 42% short to very short, 58% adequate. Wheat harvest progressed rapidly after rain delay, complete except few scattered fields. Yield, quality better than expected. Grading number 1, 66% 1993, 47% avg. Corn silking 20%, 5% 1993. Crops stressed hot, dry weather. Sorghum, soybean planting complete. Some chinch bug damage milo. Alfalfa 2nd cutting 70%, 35% 1993. Some supplemental feeding stock on range.

KENTUCKY: Temperatures close to normal. Daytime temperatures mid 80s to low 90s, night time mid to upper 60s. Rainfall 0.50 to 1.00 in. below normal most locations, except far north, east 0.50 to 1.00 in. above normal.

Days suitable fieldwork 4.5. Soil moisture 6% very short, 35% short, 52% adequate, 7% surplus. Condition of corn mostly good. Tobacco 3% poor, 24% fair, 69% good, 4% excellent. Soybeans fair to mostly good. Wheat harvest 77% complete; good yields reported. Pasture feed fair to good. Recent rainfall has improved crop conditions, additional rain still needed. Insect, disease problems are minimal.

LOUISIANA: Weather data not available.

Days suitable for fieldwork 5.2. Soil moisture supplies 7% short, 80% adequate, 13% surplus. Corn 7% fair, 67% good, 26% excellent; 99% silked, 89% 1993, 95% avg.; 80% dough stage, 49% 1993, 63% avg.; 18% mature, 4% 1993, 5% avg. Crop in good shape, development was slightly ahead of schedule. Cotton cultivation, spraying active with some fields laid-by early. Hay 92% first cutting, 91% 1993, 81% avg. Peaches 55% fair, 31% good, 14% excellent; 68% harvested, 46% 1993, 50% avg. Rice growers geared up for harvest of early rice in the next two weeks. Soybeans 98% planted, 92% 1993, 90% avg.; 93% emerged, 88% 1993, 85% avg.; 1% setting pods, 1% 1993, 0% avg. Cultivation, weed control active throughout the week. Sweet potatoes 89% planted, 73% 1993, 83% avg. Planting was brisk because of ideal weather. Sugarcane 11% fair, 89% good. Fallow land preparation active. Lay-by was virtually complete. Wheat 99% harvested, 97% 1993, 97% avg. Livestock 8% poor, 47% fair, 42% good, 3% excellent. Heat stress was apparent. Pasture 1% fair, 96% good, 3% excellent. Top dressing continued active. Vegetables 25% fair, 70% good, 5% excellent. Commercial harvest continued.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 1.42 in., normal 0.89 in. Temperature 76.6°, normal 73.8°. Extremes 51°; 93°.

Days suitable for fieldwork 5.8. Topsoil 8% very short, 32% short, 60% adequate. Subsoil 4% very short, 58% short, 38% adequate. Pasture feed fair. Small grains fair to good. Winter wheat 37% harvested, 46% 1993, 50% avg. Barley 90% harvested, 93% 1993, 87% avg. Rye 38% harvested, 35% 1993, 46% avg. Corn beginning to silk. Soybeans 76% planted, 80% 1993, 80% avg. Sorghum beginning to head. Tobacco transplanting virtually completed. Sweet corn harvest beginning. Tomato, cucumber, lima, snap bean harvesting active. Other hay 26% second cutting, 19% 1993, 14% avg. Alfalfa hay 68% second cut harvested, 41% 1993, 41% avg. Fair haymaking weather. Green pea harvest complete. Apples mostly fair, peaches poor.

DELAWARE: Precipitation 1.25 in., normal 0.90 in. Temperature 75.1°, normal 74.4°. Extremes 61°; 92°.

Days suitable for fieldwork 5.6. Topsoil moisture 8% very short, 42% short, 50% adequate. Subsoil moisture 8% very short, 42% short, 50% adequate. Pasture feed good. Small grain condition mostly fair. Wheat 28% harvested, 48% 1993, 53% avg. Barley 87% harvested, 99% 1993, 92% avg. Rye 29% harvested, 30% 1993, 48% avg. Soybeans 78% planted, 75% 1993, 85% avg. Sweet corn harvest beginning. Vegetable, melon harvest beginning. Other hay 15% second cut, 45% 1993, 18% avg. Alfalfa hay 55% second cut, 70% 1993, 54% avg. Green pea harvest virtually complete.

MICHIGAN: Extremes 41°; 87°. Precipitation none to 2.67 in. across the State.

Days suitable for fieldwork 4.0. Soil moisture 20% short, 55% adequate, 25% surplus. Dry beans 97% planted, 95% 1993, 95% avg.; 90% emerged, 80% 1993, 80% avg. Oats 75% headed, 35% 1993, 60% avg.; 5% turning, 1% 1993, 5% avg.; 5% very poor, 10% poor, 30% fair, 45% good, 10% excellent. Wheat 50% turning, 30% 1993, 45% avg.; 5% ripe, 0% 1993, 5% avg. Hay 85% first cutting, 70% 1993, 80% avg.; 10% second cutting, 5% 1993, 5% avg.; 5% very poor, 10% poor, 30% fair, 45% good, 10% excellent. Pasture feed 80% of normal. Major activities included limited chemical, fertilizer application.

MINNESOTA: Temperatures 2 to 3° below normal for the State. Extremes 39°; 92°. Precipitation 0.50 to 0.80 in. below normal for the State. Greatest weekly total 1.99 inches.

Days suitable for fieldwork 2.0. Topsoil 1% very short, 10% short, 64% adequate, 25% surplus. Corn 86% cultivated once, 32% 1993, 75% avg.; 45 in. average unextended height, 14 in. 1993, 28 in. avg.; Soybeans 70% cultivated once, 13% 1993, 60% avg.; 14 in. average unextended height, 7 in. 1993, 9 in. avg. 16% blooming, 0% 1993, 4% avg.; spring wheat 96% heading, 60% 1993, 72% avg.; oats 98% heading, 58% 1993, 81% avg.;

barley 95% heading 67% 1993, 73% avg.; corn 2% poor, 9% fair, 65% good, 24% excellent. Spring wheat 6% poor, 23% fair, 68% good, 3% excellent. Barley 6% poor, 25% fair, 64% good, 5% excellent. Oats 5% very poor, 24% fair, 68% good, 3% excellent. Soybeans 1% very poor, 4% poor, 19% fair, 63% good, 13% excellent. Sugarbeets 5% very poor, 29% fair, 62% good, 4% excellent. Dry beans 8% very poor, 4% poor, 28% fair, 56% good, 4% excellent.

MISSISSIPPI: Weather data not available.

Days suitable for fieldwork 3.3. Soil moisture 3% short, 59% adequate, 38% surplus. Corn 95% silked, 44% 1993, 61% avg.; 56% dough, 12% 1993, 21% avg.; 6% dent, 0% 1993, 2% avg.; 6% fair, 55% good, 39% excellent. Cotton 95% squaring, 76% 1993, 76% avg.; 34% setting bolls, 9% 1993, 16% avg.; 15% fair, 55% good, 30% excellent. Rice 7% heading, 0% 1993, 6% avg.; 28% fair, 46% good, 26% excellent. Sorghum 56% heading, 12% 1993, 21% avg.; 88% good, 12% excellent. Soybeans 96% emerged, 78% 1993, 76% avg.; 28% blooming, 2% 1993, 5% avg.; 8% poor, 35% fair, 30% good, 27% excellent. Wheat 98% harvested, 85% 1993, 92% avg.; 2% v poor, 11% poor, 4% fair, 26% good, 57% excellent. Hay 56% harvested, 57% 1993, 50% avg. Peaches 60% harvested, 49% 1993, 60% avg. Pecans 21% poor, 42% fair, 26% good, 11% excellent. Sweet potatoes 94% planted, 93% 1993, 93% avg.; 2% fair, 98% good. Watermelons 36% fair, 63% good, 1% excellent. Livestock 7% fair, 83% good, 10% excellent. Pasture feed 87% of normal. Activities: Insect, weed control, working on farm equipment, watermelon harvest is well underway, progress report will follow next week.

MISSOURI: Temperatures 6° below normal northwest to 4° above in the southwest. Rainfall 0.68 in., ranging from 0.18 in. central, east-central, southwest to 1.85 in. northwest.

Days suitable for fieldwork 5.7. Topsoil moisture 42% short, 55% adequate, 3% surplus. Corn tasseling 21%, 24% avg. Wheat harvest complete southeast. Oat harvest 31%, 7% 1993, 19% avg. Alfalfa hay second cutting 62%, 21% 1993, 36% avg. Other hay cut 79%, 64% 1993, 71% avg. Pastures 15% poor, 49% fair, 36% good.

MONTANA: Above normal temperatures, precipitation much below normal over entire State.

Days suitable for fieldwork 6.4. Topsoil 48% short, 50% adequate, 2% surplus. Subsoil moisture 37% short, 60% adequate, 3% surplus. Winter wheat 17% turning color, 0% 1993, 6% avg. Barley 6% poor, 21% fair, 42% good, 31% excellent. Oat 2% poor, 17% fair, 52% good, 29% excellent. Sugarbeets 1% poor, 5% fair, 54% good, 40% excellent. First cutting alfalfa 62%, 30% 1993, 37% avg. Other hay harvest 46%, 16% 1993, 24% avg. Pasture, range feed 93% of normal.

NEBRASKA: Temperatures near normals across the State. Precipitation at end of week a trace in northwest, north central, remainder of the State had measurable precipitation up to 1.48 in. northeast.

Days suitable for fieldwork 6.5. Topsoil 56% short, 44% adequate. Subsoil moisture 26% short, 73% adequate, 1% surplus. Winter wheat 8% poor, 66% fair, 26% good; 79% ripe, 14% 1993, 40% avg.; 43% harvested, 0% 1993, 17% avg. Corn 15% fair, 66% good, 19% excellent; 2% silked, 0% 1993, 1% avg. Soybean 11% fair, 82% good, 7% excellent; 11% blooming, 1% 1993, 5% avg. Sorghum 14% fair, 78% good, 8% excellent. Alfalfa 1% very poor, 10% poor, 24% fair, 61% good, 4% excellent; 36% second cutting harvested, 10% 1993, 14% avg. Pasture, range feed 88% of normal.

NEVADA: Hot, dry weather prevailed, accompanied by gusty afternoon winds. Precipitation was nil, with most areas receiving no precipitation during the entire month of June. Temperatures soared in the south, averaged above normal at most stations. Extremes 32°; 122°.

Irrigation, stockwater supplies dwindling in the northwest, north-central areas. First cutting alfalfa hay 90% complete, 80% last year, 95% avg. Second cutting starting. Winter wheat 100% headed, 85% 1993, 95% avg. Spring wheat 75% headed, 65% 1993, 70% avg. Oats 65% headed, 75% 1993, 65% avg. Barley 75% headed, 80% 1993, 75% avg. Potatoes, onions in good condition. Cutting water off garlic growing well, about a week ahead of normal. Range feed condition fair to good most areas, stockwater generally adequate. Movement of livestock to summer pastures nearly complete.

NEW ENGLAND: Precipitation 0.04 to 2.69 in. regionwide. Temperatures 68 to 74° north; 69 to 76° south. Maximum temperatures 80 to 89° north; 77 to 90° south. Minimum temperatures 49 to 61° north; 54 to 65° south.

Maine potatoes 100% planted, 100% 1993, 100% avg.; 99% emerged; good. Oats 100% planted, 100% 1993, 100% avg.; 100% emerged; good. Field corn 100% planted, 100% 1993, 100% avg.; 100% emerged; good. Shade tobacco 100% planted, 100% 1993; good. Broadleaf tobacco 100% planted, 100% 1993; good. First crop hay 70% harvested, 80% 1993, 80% avg.; good. Second crop hay 10% harvested, 5% 1993, 5%

avg.; good. Sweet corn 99% planted, 100% 1993, 100% avg.; 99% emerged; good. Apples, pears average fruit set. Peaches light fruit set. Cranberries average to heavy fruit set. Major farm activities: Harvesting hay, early season vegetables. Applying herbicides, fertilizers. Planting successional vegetables.

NEW JERSEY: Temperatures above normal. Extremes 57°; 94°. Rainfall 2.93 in. north, 1.34 in. central, 1.84 in. south. Heaviest 24 hour 3.48 in. on 3rd, 4th. Estimated soil moisture, in percent field capacity, 93% north, 73% central, 49% south. Four inch soil temperatures 74° north, 75° central, 75° south.

Days suitable for fieldwork 6. Rain throughout State, revived the topsoil moisture to an adequate level. Irrigation of vegetables has tapered off to only limited areas of the State. Harvest of "early variety" peaches has started in South Jersey. Blueberry harvest is nearing its peak while the strawberry harvest is complete. Cranberries are flowering. Good supply of summer squash, cabbage (red, green, savoy), cucumbers, green beans. Moderate volume of beets, turnips, Chinese cabbage. Increasing supply of tomatoes, cantaloupe, eggplants. Limited volume of green onions; with lettuce, escarole, endive, spinach declining in supply. Planting of late season tomatoes in limited areas. Combining of wheat, barley has started. Hay cutting, including alfalfa, timothy, reported statewide. Pasture feed good.

NEW MEXICO: Big story of the week was the continuation of the heat wave, although some abatement was noted during the latter part of the week. Temperatures 9° above normal for the State. Some locations set all-time record highs; new State record of 119° was recorded at Lakewood. Thunderstorms provided a little relief at a few spots, majority of the State remained dry. Highest precipitation totals were recorded at Des Moines, Clayton (both 0.43 in.). All reports based on preliminary data. Precipitation data corrected monthly from official observation forms.

Days suitable for fieldwork 6.8. Soil moisture 90% short, 7% adequate, 3% surplus. Cropland conditions: Alfalfa 11% fair, 74% good, 15% excellent. Irrigated wheat 35% fair, 60% good, 5% excellent. Dryland wheat 10% very poor, 50% poor, 40% fair. Chile was reported at 17% fair, 83% good. Corn 27% fair, 64% good, 9% excellent. Irrigated sorghum was reported as 13% fair, 87% good, dryland sorghum was 50% poor, 50% fair. Cattle, sheep conditions dropped from poor to very poor, ranged up to good condition. Range feed condition reported a drop to 59% of normal.

NEW YORK: Temperatures 2 to 5° above normal at most locations. Week was mostly warm, wet. Extremes 52°; 91°. Precipitation, mostly heavy showers, thunderstorms, averaged well above normal during the week. Nearly half of all reporting stations got 2 or more inches of rain.

Days suitable for fieldwork 2.8. Soil moisture adequate to surplus. Pasture feed 94% of normal. Corn plantings near completion. Good growth; average height of 2.5 feet reported. Hay in good condition. Alfalfa first cuttings 87% done, 86% 1993, 75% avg. Clover-timothy 74% completed, 73% 1993, 68% avg. Grass silage 92% done, 89% 1993, 77% avg. Second cuttings alfalfa underway. Wheat in good condition. Upstate potatoes in good condition. Long Island Potato growers continue to irrigate. Dry bean plantings slowed by wetness: 75-80% planted. Strawberry harvest peaked. Vegetable plantings continued. Onions growing rapidly with recent warm, wet weather. Orange County onion crop showed good color. Lake Ontario region fruits showing good crop development. Sweet cherry harvest began during late week. Peaches show average crop potential; sizing well.

NORTH CAROLINA: Temperatures 71° at Asheville to 80° at New Bern. Rainfall 3.58 in. at Asheville to no precipitation at several locations.

Days suitable for fieldwork 4.5. Soil moisture 23% short, 64% adequate, 13% surplus. Crop conditions: Wheat 18% fair, 76% good, 6% excellent; pasture 7% poor, 40% fair, 49% good, 4% excellent; field tobacco 1% poor, 15% fair, 79% good, 5% excellent; corn 1% poor, 23% fair, 69% good, 7% excellent; cotton 23% fair, 71% good, 6% excellent; peanuts 3% poor, 19% fair, 75% good, 3% excellent; soybeans 1% poor, 24% fair, 71% good, 4% excellent; hay 6% poor, 40% fair, 51% good, 3% excellent; Irish potatoes 3% poor, 21% fair, 76% good; sweet potatoes 18% fair, 77% good, 5% excellent; apples 4% poor, 8% fair, 84% good, 4% excellent; peaches 3% poor, 10% fair, 84% good, 3% excellent; truck crops 2% poor, 22% fair, 74% good, 2% excellent; hay, roughage 2% very short, 22% short, 74% adequate, 2% surplus; soybeans planted 90%, 92% 1993, 82% avg.; sorghum planted 94%, 93% 1993, 87% avg.; Irish potatoes harvested 60%, 58% 1993, 59% avg.; wheat harvested 89%, 91% 1993, 83% avg.; oats harvested 87%, 90% 1993, 84% avg.; barley harvested 88%, 92% 1993, 84% avg. rye harvested 88%, 90% 1993, 83% avg; peaches harvested 47%, 32% 1993, 39% avg.; cotton squared 55%, 54% 1993, 51% avg.; cotton bloomed 10%, 8% 1993, 9% avg.; corn silked 60%, 34% 1993, 47% avg. First cutting of hay 97% complete with the second cutting 37% complete. Activities included: Harvesting small grain, planting soybeans, cultivating crops. Other activities included: Harvesting hay, truck crops; tending livestock; equipment repair, general farm maintenance.

NORTH DAKOTA: Series of weak weather systems moved across the State bringing scattered thunderstorms. Rainfall 0.17 in. south central to 0.78 in. north central. Temperatures 2 to 4° below normal. Extremes 43° southwest, southeast; 91° southwest.

Days suitable for fieldwork 5.9. Topsoil 2% very short, 14% short, 75% adequate, 9% surplus. Subsoil 10% short, 82% adequate, 8% surplus. Small grains reached the milk to dough stage ahead of last year, slightly behind average. Spring wheat 5% poor, 20% fair, 63% good, 12% excellent; durum 2% poor, 13% fair, 67% good, 18% excellent; barley 4% poor, 16% fair, 64% good, 16% excellent; oats 7% poor, 22% fair, 62% good, 9% excellent. Spring wheat 12% milk to dough and beyond, 3% 1993, 13% avg. Durum 5% milk to dough and beyond, 2% 1993, 6% avg. Barley 15% milk to dough and beyond, 7% 1993, 19% avg. Oats 15% milk and beyond, 4% 1993, 14% avg. Late season crop in the bloom stage ahead of last year. Flaxseed 1% poor, 15% fair, 68% good, 16% excellent; corn 3% poor, 18% fair, 68% good, 11% excellent; dry edible beans 3% poor, 14% fair, 68% good, 15% excellent; soybeans 4% poor, 22% fair, 65% good, 9% excellent; sunflower 2% poor, 13% fair, 70% good, 15% excellent; sugarbeets 1% poor, 8% fair, 80% good, 11% excellent; potatoes 10% fair, 85% good, 5% excellent. Average height of late season crops: flaxseed 9 in., corn 29 in., dry edible beans 11 in., soybeans 12 in., sunflower 18 in., sugarbeets 15 in., potatoes 20 in., all ahead of average. Flaxseed 10% blooming and beyond, 4% 1993, 10% avg., dry edible beans 6% blooming and beyond, 0% 1993, 4% avg., soybeans 5% blooming and beyond, 0% 1993, 4% avg., potatoes 36% blooming and beyond, 17% 1993, 21% avg. Post emerged herbicide application for broadleaf control 92% complete, wild oats 97%. Range, pasture conditions 90% of normal, hay 86% of normal. Alfalfa hay first cutting 67% complete, other hay 32%. Stockwater supplies 2% short, 91% adequate, 7% surplus.

OHIO: Cool temperatures, rain covered most of State. Some severe thunderstorms occurred. High temperatures were in the upper 70s to low 80s. Low temperatures were in the upper 50s to low 60s. Precipitation amounts were generally above 0.50 in. Central, west central areas received especially large amounts with 3.60 to 4.80 in. respectively.

Days suitable for fieldwork 3.3. Soil moisture 12% short, 78% adequate, 10% surplus. Winter wheat harvest beginning at 1%. Strawberries harvested 95%, 86% 1993, 82% avg. Corn has eight to ten leaves on average. Recent rains improved soil moisture, crop, livestock conditions. Hay 3% very poor, 12% poor, 41% fair, 41% good, 4% very good. Pasture feed 2% very poor, 9% poor, 44% fair, 38% good, 3% excellent. Some crops, livestock were damaged by hail, lightning.

OKLAHOMA: Temperatures 4° above normal south central to 7° above normal southwest. Precipitation 0.05 in. central to 0.99 in. Panhandle. Days suitable for fieldwork 6.5. Topsoil moisture 91% short, 9% adequate. Subsoil moisture 49% short, 51% adequate. Oats 91% harvested, 40% 1993, 85% avg.; 60% plowed, 10% 1993, 50% avg. Barley 93% harvested, 40% 1993, 85% avg.; 43% plowed, 10% 1993, 35% avg. Corn 15% fair, 81% good, 4% excellent; 41% tasseling, 36% 1993, 30% avg.; 26% milk-to-soft, 3% 1993, 9% avg. Soybeans 91% planted, 75% 1993, 80% avg.; 82% up-to-stand, 59% 1993, 59% avg. Peanuts 95% up-to-stand, 94% 1993, 77% avg.; 20% pegging, 13% 1993, 21% avg. Pasture feed 88% normal. Fed cattle off \$3.50 from previous week.

OREGON: Temperatures near normal statewide. Southern areas 2 to 5° above normal. Precipitation coast trace to 0.50 in., areas near Cascades 0.25 in., elsewhere less than 0.10 in.

Soil moisture 34% short, 66% adequate. Winter wheat 4% very poor, 7% poor, 27% fair, 45% good, 17% excellent; headed; less than 1% harvested. Barley 1% harvested. Hay activities continued statewide, minor delays due to rain western locations. Small grain harvest underway, Columbia Basin. Wheat and barley ripening quickly, Willamette Valley and northeastern areas. Producers windowing grass seed fields, Willamette Valley. Potato hilling and cultivation nearly complete, central areas. Potatoes blooming, Klamath Basin. Willamette Valley: Pea, broccoli harvest underway, bush bean harvest approaching, potatoes blooming, strawberry harvest mostly complete, raspberry harvest at peak, blueberry harvest continued, Marion blackberries developing rapidly. Willamette Valley, The Dalles district sweet cherry harvest continued, Willamette Valley sweet cherries going to brining. Hood River Valley apple crop heavy, thinning underway. Some hail damage to pears, Parkdale region. Cranberry development: Berries sizing Stevins varieties, bloom continued McFarlin varieties; southern coast. Livestock good to excellent. Range, pasture feed 84% of normal. Fly problems reported, western locations. Range fires scorched 12,500 acres, central portions. Frost reported, extreme northeastern locations.

PENNSYLVANIA: Scattered showers, thunderstorms. Rainfall varied 0.25 to 2.75 in. Temperature was above normal for the 17th consecutive week. Temperature 77°, 9° above normal. Extremes 48°, 95°. Precipitation 1.31 in., 0.38 in. above normal.

Days suitable for fieldwork 4. Soil moisture 23% short, 59% adequate, 18% surplus. Corn 100% planted, 100% 1993, 98% avg. Corn height 24 in., 22 in. 1993, 20 in. avg.; 5% poor, 18% fair, 52% good, 25% excellent. Tobacco 97% transplanted, 100% 1993, 97% avg. Soybeans 95% planted, 98% 1993, 91% avg.; 3% poor, 19% fair, 54% good, 24% excellent. Barley 100% heading or headed, 100% 1993; 93% turning yellow, 79% 1993; 72% ripe, 53% 1993; 46% harvested, 35% 1993. Wheat 100% heading or headed, 100% 1993; 80% turning yellow, 69% 1993; 19% ripe, 17% 1993; 1% harvested, 1% 1993.; 1% very poor, 3% poor, 18% fair, 59% good, 19% excellent. Oats 74% heading or headed; 8% turning yellow, 10% 1993; 2% ripe, 1% 1993; 6% poor, 22% fair, 57% good, 15% excellent. Alfalfa first cutting 91% complete, 94% 1993. Second cutting alfalfa 28% complete, 35% 1993. Quality of hay made 30% poor, 40% fair, 30% good. First cutting timothy clover 74% complete, 86% 1993. Feed from pastures poor to fair. Apple condition 21% below avg., 70% avg., 9% above avg. Activities: Harvesting barley; making hay; spraying corn; spreading fertilizer; hauling manure; caring for livestock.

PUERTO RICO: Rainfall 0.82 in. was 0.40 in. below normal. Highest total rainfall 2.70 in. at San Lorenzo, 2.27 in. at Gurabo 2.13 in. at Juncos. Island temperatures 82 to 83° on the coasts, 76 to 77° interior with mean temperatures 83.9° at Coamo to 73.1° Maricao 2WNW. Extremes 58°; 96°.

SOUTH CAROLINA: Rainfall 3.60 in. Temperatures near normal.

Days suitable for fieldwork 4.4. Soil moisture 15% short, 80% adequate, 5% surplus. Tobacco fair to good; 80% topped, 69% 1993, 63% avg.; 6% harvested, 1% 1993, 7% avg. Barley fair to good; 98% ripe, 100% 1993, 95% avg.; 91% harvested, 89% 1993, 84% avg. Corn fair to good; 93% silked, 72% 1993, 77% avg.; 65% doughing, 22% 1993, 33% avg.; 13% mature, 6% 1993, 7% avg. Cotton 41% fair, 59% good; 76% squaring, 59% 1993, 61% avg.; 17% setting bolls, 11% 1993, 16% avg. Soybeans 4% poor, 21% fair, 75% good; 94% planted, 88% 1993, 89% avg.; 5% blooming, 4% 1993, 4% avg. Cantaloupes fair to good; 53% harvested, 46% 1993, 49% avg. Watermelons fair to good; 55% harvested, 46% 1993, 45% avg. Cucumbers fair to good; 81% harvested, 72% 1993, 72% avg. Tomatoes fair to good; 75% harvested, 84% 1993, 71% avg. Oats fair to good; 98% harvested, 93% 1993, 90% avg. Rye fair to good; 93% harvested, 84% 1993, 84% avg. Wheat fair to good; 98% harvested, 97% 1993, 92% avg. Peaches fair to good; 34% harvested, 26% 1993, 33% avg. Sorghum fair to good; 83% planted, 85% 1993, 74% avg. Fall hay 2% harvested, 13% 1993, 10% avg. Pasture feed fair to good.

SOUTH DAKOTA: Temperatures 5° above normal to 6° below normal. Extremes 31°; 99°. Relatively dry. Scattered thunderstorms, heaviest 1.48 in. south central.

Days suitable for fieldwork 6.1. Topsoil 25% very short, 39% short, 31% adequate, 5% surplus. Subsoil 14% very short, 27% short, 49% adequate, 10% surplus. Winter wheat 91% turning color, 35% 1993, 62% avg.; 11% ripe, 0% 1993, 13% avg. Winter rye 5% very poor, 37% fair, 57% good, 1% excellent; 81% turning color, 22% 1993, 56% avg.; 23% ripe, 0% 1993, 6% avg. Spring wheat 24% turning color, 4% 1993, 16% avg. Barley 1% very poor, 15% poor, 33% fair, 50% good, 1% excellent; 22% turning color, 0% 1993, 20% avg. Oats 2% very poor, 14% poor, 31% fair, 50% good, 3% excellent; 29% turning color, 5% 1993, 23% avg. Flax 5% very poor, 6% poor, 23% fair, 66% good; 36% blooming, 17% 1993, 22% avg. Sunflower 1% very poor, 4% poor, 30% fair, 64% good, 1% excellent. Corn avg. height 34 in., 12 in. 1993, 22 in. avg.; 72% cultivated twice, 18% 1993, 46% avg. Alfalfa 94% 1st cutting, 69% 1993, 79% avg. Other hay 44% harvested, 20% 1993, 33% avg. Livestock 7% fair, 77% good, 16% excellent. Feed supply 15% short, 76% adequate, 9% surplus. Pastures 88% of normal. Water supply 3% very short, 5% short, 81% adequate, 11% surplus. Producers busy spraying herbicides, preparing for winter wheat harvest.

TENNESSEE: Temperatures above normal. Highs in mid to upper 90s, average lows in 60s. Except for in southwest, lows in mid 70s. Precipitation mostly light, locally heavy.

Days suitable for fieldwork 3.7. Soil moisture 84% adequate, 16% surplus. Corn 35% tasseling, 24% 1993, 31% avg.; 2% poor, 11% fair, 68% good, 19% excellent. Cotton 89% squaring, 85% 1993, 62% avg.; 7% setting bolls, 2% 1993, 2% avg.; 11% fair, 70% good, 19% excellent. Sorghum 2% headed, 1% 1993, 2% avg.; 3% poor 14% fair, 67% good, 16% excellent. Soybeans 94% planted, 93% 1993, 89% avg.; 2% blooming, 2% 1993 3% avg.; 3% poor 19% fair, 66% good, 12% excellent. Tobacco 15% fair, 85% good. Wheat 93% harvested, 87% 1993, 84% avg. Alfalfa 70% 2nd cut., 70% 1993, 64% avg.; 12% fair, 84% good, 4% excellent. Other hay, 1% poor, 17% fair, 76% good, 6% excellent. Cattle, 1% poor, 6% fair, 89% good, 4% excellent.

TEXAS: High pressure dominated last week keeping most of the area hot, dry. Temperatures across most of south, east Texas were near to slightly above normal, while temperatures in north and west were 3 to 9 degrees above normal. Several locations set records and all-time high

temperatures in the western, Panhandle areas. A few locations included 114 at El Paso, Lubbock, 116 at Midland, 117 at Wink, Childress. Precipitation totals were well below normal as much of State remained dry. Parts of east, north, Panhandle received a few showers during week, rainfall averages were generally less than a quarter inch. However, a few of individual stations recording over an inch were Dumas, in Northern High Plains, with 1.38 in., Texarkana, with 1.63 in.

Crops: Corn crop in many parts of South, South Central Texas remained very stressed by hot, drying conditions. Irrigation has been steady on Plains. Because of excessive hot, dry winds producers were finding it hard to keep up with irrigation water demands. Corn 85% normal, 88% 1993; 49% dough, 37% 1993. 30% dented, 20% 1993; 2% mature, 4% 1993. Cotton in Plains made good progress, showed signs of extreme heat stress. Limited damage was reported on some late planted fields due to high winds, blowing sand. Insect scouting activities were taking place, as well as cultivation, hoeing activities. Cotton in Blacklands also showed signs of stress, continued to develop. In South Texas, growth was slowed by hot temperatures. Cotton 85% normal, 82% 1993; 100% planted, 100% 1993; 4% open bolls, 1% 1993. Peanut fields in Cross Timbers were showing varied stands. Most fields were beginning to show signs of drying. Stands in Plains were fair to good. Peanuts 85% normal, 83% 1993; 86% planted, 78% 1993. Rice continued to make good to excellent progress. Draining of some early fields in South Central Texas got underway as preparations began for harvest. Rice 96% normal, 82% 1993. Sorghum planting neared completion in Plains, some delay occurred due to dry weather. In Blacklands, fields continued to turn color, some fields were lodging because of dry conditions. A few early fields were harvested. Harvest increased from Valley northward to Coastal Bend. Sorghum 86% normal, 82% 1993; 99% planted, 97% 1993; 50% turning color, 34% 1993; 26% mature, 13% 1993; 5% harvested, 2% 1993. Soybeans were making good growth under steady irrigation in Plains. Fields in Blacklands made good progress, continued to stress from dry conditions. A few fields were baled because of drought conditions. Soybeans 97% planted, 94% 1993. Small grain harvest advanced rapidly in Plains. Harvest has been nearly completed in Cross Timbers and northern Blacklands. Small grains 56% normal, 63% 1993. Oats 73% harvested, 71% 1993. Sunflowers 90% planted, 88% 1993.

Commercial Vegetables: Rio Grande Valley citrus continued to develop nicely, as irrigation activities were steady. Field preparation activities continued in full swing. Peppers made good progress. San Antonio-Winter Garden: watermelon, cantaloupe harvest, shipping activities continued. Preparations began for planting fall cabbage. Trans-Pecos onion harvest began winding down, cantaloupe harvest continued at fast pace. Chillies began blooming. East Texas, sweet potatoes made good progress. Harvest of tomatoes, okra, peas, sweet corn, cucumbers, squash, peppers continued. Most plants showed signs of heat stress, disease, insect pressure increased. High Plains some early onions were harvested. Peaches in Edwards Plateau continued to make excellent progress, extreme heat was affecting most of late peaches. Harvest continued in Cross Timbers, East Texas. Pecans in Cross Timbers continued to make good progress. Trees in South Central Texas, the Trans-Pecos were dropping nuts due to extreme hot, dry conditions. In Edwards Plateau, irrigation began in areas where available. Elsewhere, pecans showed severe signs of heat stress.

Range and Livestock: Pasture conditions continued to decline as intense high temperatures continued. In many areas, pastures were turning brown, ranchers were beginning to use supplemental feeding. Hay harvest continued in full swing across most areas. Livestock remained in fair to good, began to show signs of heat stress.

UTAH: Temperature maximums 11° above normal; minimums 6° above normal. Precipitation minimal. Only one location reported measurable precipitation, three reported trace.

Days suitable for fieldwork 6.9. Soil moisture 100% short. Irrigation water supply 13% very short, 49% short, 38% adequate. Stockwater supply 6% very short, 57% short, 37% adequate. Spring wheat ripe 5%. Barley ripe 4%, 5% 1993. Oats jointed 88%, 80% 1993; heading or better 59%, 50% 1993, 63% avg.; harvested hay, silage 32% completed. Winter wheat ripe 26%, 6% 1993, 16% avg. Corn height 25 inches, 19 inches 1993, 24.8 inches avg. Alfalfa hay 2nd cutting 13% completed, 10% 1993. Other hay cutting 50% completed, 40% 1993, 41% avg. Sweet cherries 80% picked. Sheep moved to summer range 99%. Pasture, range feed poor to fair. Activities were irrigating, harvesting alfalfa, oats/hay silage, grass hay, meadow hay, cherries, apricots.

VIRGINIA: Temperatures above normal except west, southwest. Extremes 48°; 94°. Rainfall near normal, was varied in the form of thunderstorms. Amelia recorded the most rainfall of 2.45 in.

Days suitable for fieldwork 5.5. Topsoil 6% very short, 53% short, 41% adequate. Pasture feed 4% very poor, 32% poor, 49% fair, 15% good. Alfalfa hay 10% poor, 54% fair, 36% good. Other hay 2% very poor, 37% poor, 47% fair, 14% good. Apple 1% poor, 49% fair, 50% good. Flue tobacco 10% poor, 56% fair, 28% good, 6% excellent. Fire tobacco 55% fair, 45% good. Burley tobacco 26% good, 74% excellent.

Sun tobacco 100% fair. Corn silked 11%, 12% 1993, 15% avg.; 27% poor, 50% fair, 22% good, 1% excellent. Soybeans planted 84%, 78% 1993, 84% avg.; 17% poor, 65% fair, 18% good. Peanut 67% fair and 33% good. Cotton 30% poor, 22% fair, 48% good. Wheat 66% harvested, 65% 1993, 70% avg. Oats 63% harvested, 67% 1993, 71% avg. Barley 94% harvested, 96% 1993, 84% avg. Potatoes 5% harvested, 5% 1993. Livestock mostly good. Tobacco lay-by, topping, suckering, irrigating, harvesting vegetables, spraying for peanut leafspot, rootworm, picking berries, spraying fruit trees.

WASHINGTON: Temperatures 2° below normal to 3° above normal west; 2° below normal to 4° above normal east. Precipitation 0.03 to 0.55 in. west; none to 0.46 in. east. Most rainfall east of Cascades resulted from thundershowers early in week. Precipitation in west from weak system moving in from the ocean.

Days suitable for fieldwork 6.9. Soil moisture 57% short, 43% adequate. Hay, other roughage supplies 2% very short, 5% short, 91% adequate, 2% surplus. Range, pasture 11% very poor, 21% poor, 47% fair, 21% good. Winter wheat dryland 3% very poor, 22% poor, 27% fair, 44% good, 4% excellent; irrigated 3% fair, 90% good, 7% excellent. Spring wheat dryland 10% very poor, 22% poor, 45% fair, 23% good; irrigated 3% fair, 94% good, 3% excellent. Barley dryland 13% very poor, 29% poor, 37% fair, 21% good; irrigated 4% fair, 96% good. Potatoes 2% fair, 98% good. Dry edible beans 100% good. Corn 10% fair, 90% good. Spring wheat 95% headed, 78% 1993, 94% avg. Barley 99% headed, 82% 1993, 94% avg. Alfalfa, first cutting, 97% completed, 96% 1993, 97% avg.; second cutting, 51% complete, 30% 1993, 31% avg. Dry conditions persist. Dry weather caused crop conditions to fall, especially dryland spring wheat, barley. Alfalfa harvest advanced with dry weather; second cutting over half complete. Early potato harvest should begin soon. Apricot, Peach, sweet corn harvest underway Yakima valley. Cherry picking underway higher elevations Chelan county, continuing for three weeks. Apple thinning continued Chelan county, mostly finished Yakima valley. Dry conditions caused fire danger in many eastern areas.

WEST VIRGINIA: Temperature 71°. Extremes 51°; 94°. Precipitation 0.62 in.

Days suitable for fieldwork 5.6. Soil moisture 22% short, 78% adequate. Barley good; harvested 78%, 90% 1993, 69% avg. Wheat 2% fair, 98% good; ripe 88%, 78% 1993, 74% avg. Hay 42% fair, 44% good, 14% excellent; first cutting 87%, 84% 1993, 72% avg. Apples 50% poor, 50% fair. Peaches 100% very poor. Corn 48% fair, 52% good; emerged 95%, 99% 1993, 100% avg. Oats 28% fair, 72% good; ripe 36%. Tobacco 38% fair, 62% good; set 100%, 100% 1993, 98% avg. Gardens 35% fair, 60% good, 5% excellent; emerged 95%, 97% 1993, 91% avg. Soybeans 9% poor, 36% fair, 55% good; planted 96%, 95% 1993; emerged 92%, 90% 1993. Pastures 60% fair, 40% good; 84% of normal. Cattle 14% fair, 86% good. Sheep 40% fair, 60% good. Farm activities: Cutting hay, harvesting barley, gardening, planting, equipment maintenance.

WISCONSIN: Temperature 66°, 2° below normal. Extremes 36°; 89°. Precipitation 0.40 to 2.20 in.

Days suitable for fieldwork 4.3. Soil moisture: 23% short, 72% adequate, 5% surplus. Pasture feed 77%, 89% 1993, 78% avg. General condition of crops: 1% poor, 10% fair, 77% good, 12% excellent. Average height of corn 41 inches, 11 1993, 24 avg. Corn condition: 5% fair, 59% good, 36% excellent. Oats 3% poor, 27% fair, 60% good, 10% excellent; headed 87%, 30% 1993, 64% avg. Soybean 12% fair, 70% good, 18% excellent. First cutting hay harvested 90%, 67% 1993, 83% avg. Most crops well ahead of normal; best they have been in years. Corn height is 17 inches above normal, may begin to tassel as early as this week. Most oats headed, lack of rain early in the season has kept oats short. Some early-planted oats are beginning to ripen. Unpredictable rainfall has made it difficult to complete first crop hay. High quality second crop hay is already being cut; most is shorter than normal. Early-planted sweet corn is starting to tassel and snap bean planting progresses. Pea harvest is in full swing; variable yields due to weather. Some tobacco has been replanted due to dry soil during June.

WYOMING: Temperatures across the State 2 to 6° above normal. Cheyenne was the hot spot averaging 8° above normal while Jackson only averaged 1° above normal. Precipitation was below normal across the State with many areas receiving zero precipitation. The exception was the west central valley which was well above normal. Afton received the largest amount of precipitation at 1.01 inches.

Days suitable for fieldwork 6.9. Topsoil 88% short, 12% adequate. Subsoil 87% short, 13% adequate. Winter wheat 94% turning color, 20% 1993, 28% avg.; 76% mature, 0% 1993, 1% avg. Spring wheat 84% headed, 46% 1993, 53% avg.; 45% turning color, 4% 1993, 5% avg. Oats 54% headed, 39% 1993, 41% avg.; 8% turning color, 2% 1993, 2% avg. Barley 75% headed, 64% 1993, 67% avg.; 17% turning color, 7% 1993, 7% avg. Corn height 28 inches, 17 inches 1993. Dry beans 16% bloomed, 0% 1993, 2% avg. Alfalfa 74% first cutting, 46% 1993, 53% avg. Other hay 37% acreage harvested, 18% 1993, 18% avg. Insect infestation 33% none, 47% light, 12% moderate, 8% severe. Reported insects were aphids, grasshoppers, weevils. Irrigation water supplies 45% short, 55% adequate.

June 1994

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

International Weather and Crop Summary
HIGHLIGHTS

June 26 - July 2, 1994

FSU-WESTERN: Widespread showers and cool weather continued over northern Russia, but dry weather prevailed over crop areas in Ukraine.

FSU-NEW LANDS: Although scattered showers and cooler weather eased crop stress in northern Kazakhstan, unfavorably hot, dry weather persisted over spring grains in eastern Kazakhstan and adjacent areas in Russia.

EUROPE: Showers in southern Europe slowed early winter grain harvesting.

SOUTH ASIA: The advancing monsoon brought the season's heaviest rain to important rice and oilseed areas.

SOUTHEAST ASIA: Heavy rain soaked major rice areas.

EASTERN ASIA: Rains continued to favor summer crops across the North China Plain, while drier weather benefited southern China.

AUSTRALIA: Dryness continued to delay eastern wheat planting.

SOUTH AMERICA: Temperatures moderated across southern Brazil after the cold weather earlier in the week.

MEXICO: Seasonal showers continued across the south, while hot weather increased irrigation demand in the north.

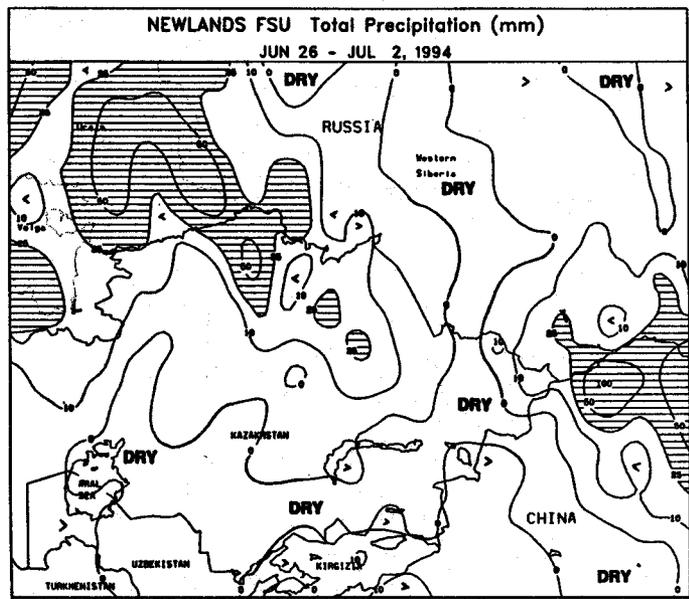
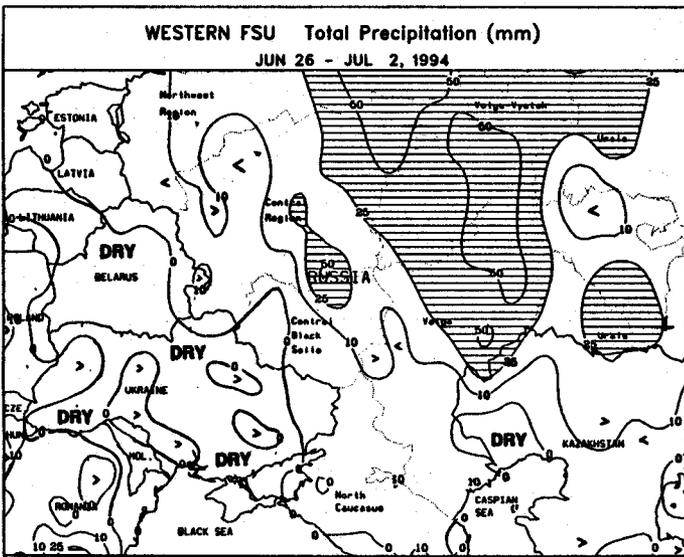
CANADA: The trend of wet weather in the eastern Prairies and dry weather in the west continued.

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
		AVG	AVG	HI	LO	DEPART	TOTAL	DEPART	
		MAX	MIN	MAX	MIN	F/NRM			
NORWAY	OSLO	18	8	26	2	13	-1.3	54	-19
SWEDEN	STOCKHOLM	19	9	27	4	14	-1.5	46	0
FINLAND	HELSINKI	18	8	25	3	13	-2.1	65	21
U KING	GLASGOW	16	9	22	2	13	-1.6	81	16
	EDINBURGH	18	9	26	5	13	0.4	36	-14
	BIRMINGHAM	20	10	28	4	15	0.7	25	-33
	LONDON	20	10	28	3	15	0.7	21	-35
IRELAND	DUBLIN	17	9	21	4	13	-0.4	19	-37
ICELAND	REYKJAVIK	11	6	14	2	8	-0.5	49	-1
DENMRK	COPENHAGEN	18	9	23	6	14	-1.9	40	-7
LUXEMB	LUXEMBOURG	22	12	30	4	17	1.5	39	-36
SWITZL	ZURICH	22	12	29	6	17	1.7	77	-50
	GENEVA	24	13	30	4	18	1.7	31	-57
FRANCE	PARIS/ORLY	23	13	33	8	18	***	49	**
	STRASBOURG	24	13	32	7	19	1.9	77	1
	BOURGES	23	13	33	7	18	1.0	53	-4
	BORDEAUX	25	14	34	9	19	1.7	97	40
	TOULOUSE	25	14	35	8	20	1.5	65	5
	MARSEILLE	27	17	35	11	22	1.3	12	-17
SPAIN	VALLADOLID	27	11	37	5	19	1.4	18	-18
	MADRID	30	14	40	10	22	1.5	7	-19
	SEVILLE	34	18	40	14	26	1.1	0	-9
PORTUG	LISBON	27	17	35	13	22	1.7	0	-22
GERMNY	HAMBURG	19	11	30	6	15	-0.2	58	-17
	BERLIN	21	12	35	7	17	-0.7	33	-43
	DUSSELDORF	22	12	32	5	17	-0.3	62	-4
	LEIPZIG	22	12	32	6	17	0.2	41	-26
	DRESDEN	22	13	33	7	17	0.7	22	-46
	STUTTGART	22	12	30	6	17	1.1	78	-16
	NURNBERG	24	12	34	6	18	1.4	44	-31
AUSTRI	VIENNA	24	14	34	10	19	0.5	39	-23
	INNSBRUCK	23	11	33	6	17	1.0	108	1
CZECH	PRAGUE	22	11	33	4	16	0.5	24	-48
POLAND	WARSAW	21	10	31	4	16	-1.1	21	-50
	LODZ	22	10	33	3	16	0.0	18	-51
	KATOWICE	22	11	33	3	16	0.4	44	-44
	PRZEMYSL	21	11	31	5	16	-0.2	69	-28
HUNGAR	BUDAPEST	25	15	36	10	20	0.9	33	-31
F YUGO	BELGRADE	26	16	34	10	21	0.9	211	118
ROMANI	BUCHAREST	27	13	35	2	20	-0.3	111	23
BULGAR	SOFIA	24	13	32	6	19	0.7	105	21
ITALY	MILAN	27	17	34	11	22	1.1	62	-6
	VERONA	27	15	34	8	21	0.5	33	-54
	VENICE	25	17	33	8	21	0.7	27	-49
	GENOA	24	18	28	14	21	-0.9	163	114
	ROME	26	16	31	12	21	-0.1	29	8
	NAPLES	27	18	36	12	22	1.1	21	-14
GREECE	THESSALONIKA	29	17	36	13	23	-1.0	0	-32
	LARISSA	31	15	37	11	23	-1.3	1	-24
	ATHENS	29	20	36	14	25	-0.5	11	3
TURKEY	ISTANBUL	26	17	31	12	21	0.8	49	25
	ANKARA	26	9	32	2	18	-2.8	1	-37
CYPRUS	LARNACA	30	20	34	16	25	0.3	0	-5
ESTONI	TALLINN	17	8	23	4	13	-2.0	39	-12
FSU	ST. PETERSBERG	18	11	25	7	14	-1.3	79	25
LITHUA	KAUNAS	19	9	26	4	14	-1.8	31	-62
FSU	MINSK	19	10	28	6	15	-1.6	86	9
	KAZAN	20	11	29	5	16	-1.5	92	24
	MOSCOW	19	10	25	6	15	-2.0	114	37
	YEKATERINBURG	22	12	29	5	17	0.9	72	1
	OMSK	27	14	34	4	20	2.7	28	-31
	KUSTANAY	27	14	35	4	21	1.6	29	-10
	KRASNOYARSK	26	13	34	4	19	3.5	77	17
	NOVOSIBIRSK	26	14	34	2	20	3.8	48	-6
	BARNAIL	27	15	35	3	21	3.1	50	7
	KHABAROVSK	24	12	28	7	18	0.0	25	-54
	VLADIVOSTOK	17	11	28	0	14	0.9	92	-20
	KIEV	21	13	29	7	17	-1.6	88	17
	LNOV	21	10	32	4	15	-0.7	43	-56
	KIROVOGRAD	21	11	28	6	16	-2.9	63	11

Based on Preliminary Reports

June 1994

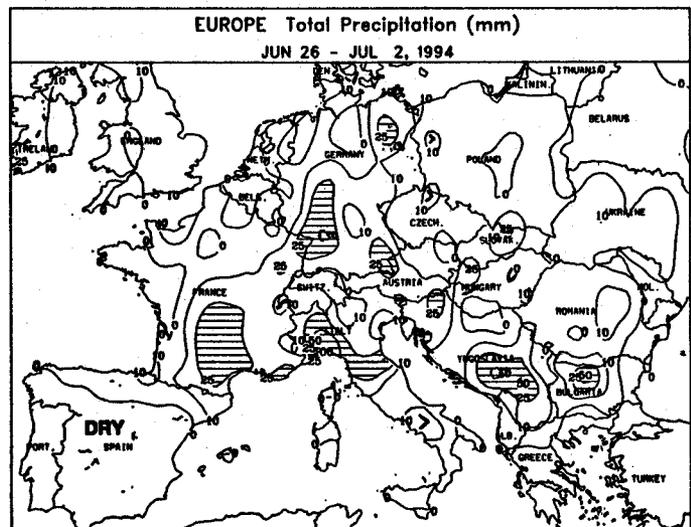
COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)				
		AVG	AVG	HI	LO	DPART	DPART	AVG			AVG	HI	LO	DPART	DPART					
		MAX	MIN	MAX	MIN	AVG	F/NRM	TOTAL			F/NRM	MAX	MIN	MAX	MIN	AVG	F/NRM	TOTAL	F/NRM	
FSU	ODESSA	23	15	34	8	19	-0.4	52	10	KENYA	NAIROBI	25	12	29	7	18	0.6	29	3	
	YALPA	25	16	32	12	20	-0.7	17	-26		TANZAN	DAR ES SALAAM	**	**	30	15	**	***	3	-32
	VORONEZH	20	11	29	7	16	-2.6	106	37		GABON	LIBREVILLE	28	23	29	21	25	-0.1	15	-4
	SARATOV	22	14	32	8	18	-0.6	49	6		TOGO	LOME	29	24	36	23	27	0.8	185	-94
	KHARROV	21	12	29	6	16	-2.4	44	-14		B FASO	OUAGADOUGOU	34	25	39	19	30	0.4	98	-10
	VOLGOGRAD	24	13	33	6	18	-3.3	45	18		IVRY C	ABIDJAN	30	24	32	22	27	0.8	325	-244
	ROSTOV	23	14	31	9	19	-2.4	45	-14		MOZAMB	MAPUTO	27	14	34	10	21	1.4	4	-11
	ASTRAKHAN	27	16	36	11	21	-1.5	42	20		ZAMBIA	LUSAKA	23	8	27	5	15	-1.3	0	-1
	KRASNODAR	25	13	33	9	19	-1.9	37	-40		ZIMBAB	HARARE	22	8	26	1	15	1.7	0	-3
	ORENBURG	24	13	34	7	19	-1.2	76	38		S AFRI	PRETORIA	19	4	24	-1	11	-0.1	0	-7
	TSELINOGRAD	29	15	35	8	22	3.7	7	-25			JOHANNESBURG	16	2	21	-6	9	-0.6	0	-10
	KARAGANDA	29	15	35	7	22	2.8	6	-30			BEIHAL	17	-1	22	-8	8	0.0	0	-8
	TBILISI	26	16	32	11	21	-0.7	34	-34			DURBAN	24	10	36	5	17	0.5	9	-19
	TASHKENT	35	19	41	14	27	1.3	12	5			CAPE TOWN	17	8	25	5	13	0.1	230	137
	ASHKHAHAD	34	21	38	7	27	-1.2	2	-2		CANADA	TORONTO	25	13	36	5	19	1.7	58	-11
	DAMASCUS	35	14	39	9	24	-0.2	0	0			MONTREAL	25	13	34	6	19	1.1	145	62
	JERUSALEM	28	15	34	12	22	-0.4	0	0		WINNIPEG	24	12	29	7	18	1.1	80	-2	
	KARACHI	36	28	44	27	32	0.6	0	-5		REGINA	22	10	29	4	16	-0.3	123	57	
	AMRITSAR	40	26	45	21	33	0.6	49	-8		SASKATOON	21	10	29	1	15	-0.8	54	-6	
	NEW DELHI	40	28	46	22	34	0.5	63	-5		LETHBRIDGE	22	7	29	-1	14	-1.3	78	12	
AHMEDABAD	37	28	45	24	32	-0.5	99	-2	CALGARY	20	7	27	-1	13	-0.7	68	-9			
INDORE	33	24	42	21	29	-1.5	289	153	EDMONTON	20	10	32	0	15	-0.6	**	**			
CALCUTTA	33	27	37	24	30	-0.1	280	30	VANCOUVER	19	11	25	8	15	-0.1	71	25			
VERAVAL	32	28	39	26	30	0.5	107	-91	MEXICO	GUADALAJARA	26	17	35	15	22	-1.1	210	58		
BOMBAY	32	27	35	24	29	0.3	555	-93		MEXICO CITY	24	13	28	11	19	1.0	215	110		
POONA	29	23	34	21	26	-1.5	287	162		ACAPULCO	34	25	36	20	30	1.0	14	-231		
BEGAMPET	34	24	41	22	29	-0.3	98	-9	HERMUD	ST. GEORGES	29	25	31	22	27	1.8	83	-54		
VISHAKHAPATNAM	32	28	35	23	30	***	10	**	BAHAMA	NASSAU	32	25	34	21	28	1.1	66	-155		
MADRAS	38	28	40	23	33	0.6	50	-14	CUBA	HAVANA	31	25	34	23	28	1.4	144	-18		
MANGALORE	28	24	31	22	26	-0.6	1697	715	JAMAIC	KINGSTON	33	26	34	24	30	1.2	1	-64		
KINGS PEAK	30	26	33	23	28	***	246	**	P RICO	SAN JUAN	32	25	33	23	28	0.3	114	12		
SYRIA	JERUSALEM	28	15	34	12	22	-0.4	0	0	GUADEL	RAIZET	32	24	33	22	28	0.9	23	-40	
ISRAEL	JERUSALEM	28	15	34	12	22	-0.4	0	0	MARINQ	LAMENIN	30	25	30	23	27	0.8	54	-115	
PAKIST	KARACHI	36	28	44	27	32	0.6	0	-5	BARBAD	BRIDGETOWN	31	25	32	21	28	0.4	33	-50	
INDIA	AMRITSAR	40	26	45	21	33	0.6	49	-8	TRINID	PORT OF SPAIN	31	24	34	23	28	1.3	113	-123	
	NEW DELHI	40	28	46	22	34	0.5	63	-5	COLOMB	BOGOTA	19	**	22	4	**	***	55	-11	
	AHMEDABAD	37	28	45	24	32	-0.5	99	-2	VENEZU	CARACAS	30	23	33	20	26	-0.4	30	-25	
	INDORE	33	24	42	21	29	-1.5	289	153	F GUTA	CAYENNE	30	22	31	21	26	0.4	418	-34	
	CALCUTTA	33	27	37	24	30	-0.1	280	30	BRAZIL	FORTALEZA	28	23	29	20	25	-0.4	572	417	
	VERAVAL	32	28	39	26	30	0.5	107	-91		RECIFE	**	22	28	21	**	***	650	288	
	BOMBAY	32	27	35	24	29	0.3	555	-93		BELO HORIZONTE	23	15	27	10	**	***	9	-4	
	POONA	29	23	34	21	26	-1.5	287	162		CAMPO GRANDE	27	16	31	3	22	1.6	115	73	
	BEGAMPET	34	24	41	22	29	-0.3	98	-9		FRANCA	24	14	27	4	20	4.2	17	-10	
	VISHAKHAPATNAM	32	28	35	23	30	***	10	**		LONDRINA	22	12	27	-1	17	0.3	88	-8	
	MADRAS	38	28	40	23	33	0.6	50	-14		SANTIA MARIA	20	11	28	3	16	2.8	179	35	
	MANGALORE	28	24	31	22	26	-0.6	1697	715		PORTO ALEGRE	20	11	30	2	15	0.2	137	-3	
H KONG	KINGS PEAK	30	26	33	23	28	***	246	**	PERU	LIMA	20	15	22	13	18	-0.3	1	0	
N KREA	PYONGYANG	25	15	32	8	20	0.8	53	-104	BOLIVI	LA PAZ	14	-3	17	-6	5	-1.6	9	6	
S KREA	SEOUL	28	18	35	13	23	2.4	82	-87	CHILE	SANITAGO	16	4	24	-3	10	1.8	30	-37	
JAPAN	SAPPORO	22	13	28	10	17	1.3	6	-62	ARGENT	IGUAZU	22	12	29	-1	17	***	302	**	
	NAGOYA	28	19	33	16	23	1.3	123	-97		FORMOSA	24	15	30	1	19	2.4	84	25	
	TOKYO	26	20	32	14	23	1.0	147	-39		CERES	20	10	25	0	15	2.5	25	3	
	YOKOHAMA	25	19	31	14	22	1.2	158	-58		CORDOBA	20	7	28	0	14	3.2	2	-10	
	KYOTO	28	19	33	15	24	1.5	120	-128		RIO CUARTO	17	8	24	2	12	2.7	7	-10	
	OSAKA	29	21	33	17	25	1.5	83	-124		ROSARIO	18	9	22	0	13	2.9	32	-5	
THAILN	PHEITCHAEUN	32	25	34	24	28	0.3	221	39		BUENOS AIRES	16	8	21	-2	12	2.1	59	9	
	BANGKOK	33	26	36	24	29	0.1	232	84		SANTIA ROSA	16	6	22	-3	11	2.9	17	1	
MALAYS	KUALA LUMPUR	32	24	34	22	28	1.1	187	60		TRES ARROYOS	14	**	20	-2	**	***	9	-20	
VIEINM	HANOI	32	27	37	24	30	0.1	361	122	N CALD	NOUMEA	24	18	27	15	21	0.0	75	-54	
CHINA	HARBIN	28	16	35	10	22	2.4	121	54	FLJT	NAUSORI	25	20	30	15	23	-0.7	203	62	
	HAMI	32	17	37	13	24	-0.5	7	1	SAMOA	PAGO PAGO	29	25	32	23	27	0.5	95	-94	
	LANCHOW	26	15	33	10	21	0.4	104	67	TAHITI	PAPEETE	30	23	32	21	27	1.9	122	63	
	BEIJING	32	22	36	17	27	2.5	23	-48	N ZEAL	AUCKLAND	14	9	18	1	11	-0.4	***	**	
	TIENHSIN	32	21	37	17	26	1.7	22	-43		WELLINGTON	12	9	16	3	10	***	105	**	
	LHASA	24	10	28	2	17	0.8	51	-19	PA N G	PORT MORESEY	29	23	31	19	26	-0.6	0	-56	
	KUNMING	23	17	27	14	20	0.5	356	186	AUSTRL	DARWIN	30	20	32	16	25	-0.4	0	-1	
	CHENGCHOW	31	21	35	16	26	0.4	194	133		MOREE	19	5	24	1	12	0.2	16	-11	
	YEHCHANG	30	22	39	18	26	2.2	129	-23		BRISBANE	20	10	23	3	15	-1.2	6	-68	
	HANKOW	29	23	36	19	26	0.7	87	-118		PERTH	18	10	22	6	14	-0.4	170	2	
	CHUNGKING	29	22	37	19	26	***	118	**		CEDUNA	18	8	28	4	13	1.0	34	2	
	CHIKIANG	28	21	34	17	25	0.2	132	-64		ADELAIDE	15	8	22	4	12	0.3	72	20	
	WU HU	29	22	36	18	25	***	121	**		MELBOURNE	14	6	18	-1	10	-0.1	28	-9	
	SHANGHAI	27	22	37	17	25	***	157	**		WAGGA	1								

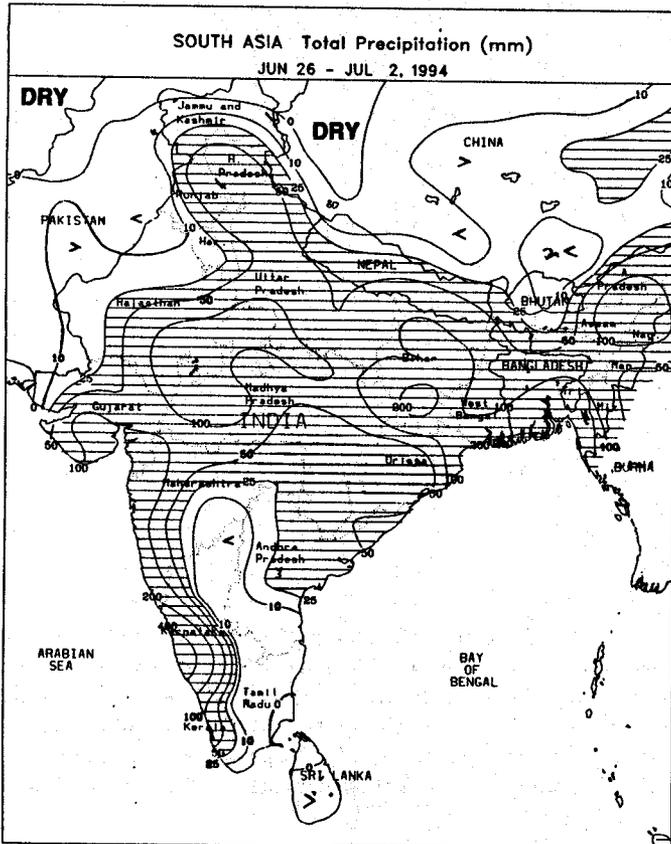


FSU-WESTERN: In Russia, wet weather (10-40 mm, with local amounts in excess of 50 mm) continued over the eastern portion of the Central Region, middle and upper Volga Valley, and the Volga Vyatsk Region. The moisture maintained adequate to abundant moisture for winter grains in the reproductive to filling stages and spring grains in or nearing reproduction. Further south, generally dry weather over North Caucasus and lower Volga Valley favored maturing winter grains but limited moisture for corn and sunflower development. Unseasonably cool weather (weekly average temperatures ranging from 1 to 4 degrees Celsius (C) below normal) over most of western Russia continued to slow crop development. In Ukraine, dry weather prevailed over most crop areas. The combination of periodic heat and prolonged dryness in western and southern Ukraine stressed corn and sunflowers in or nearing reproduction. However, the dryness helped winter grain maturation and early harvesting. Highest weekly temperatures ranged from 30 to 36 degrees C in western and southern Ukraine. In Baltic States and Belarus, dry weather accompanied a warming trend that promoted rapid crop development.

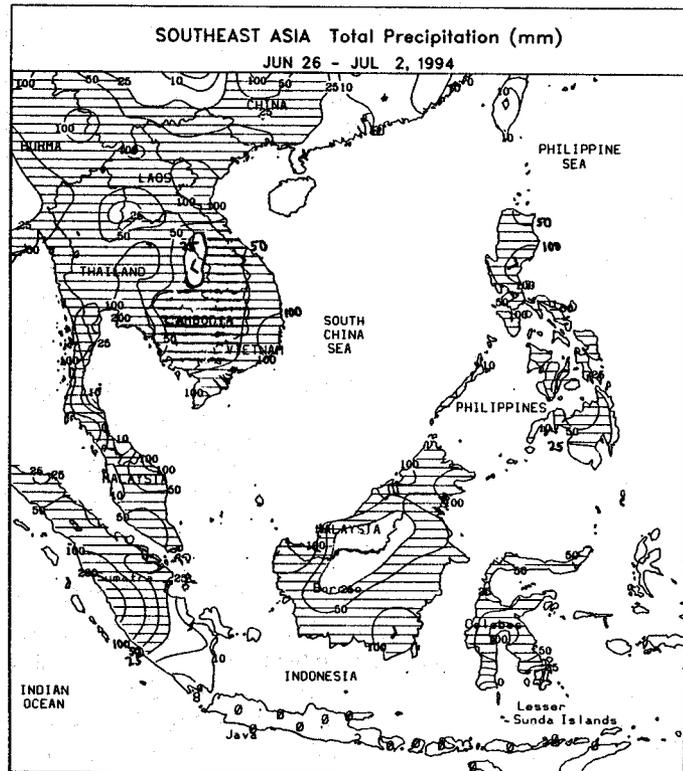
FSU-NEW LANDS: A heat wave early in the week covered most of Western Siberia in Russia and Kazakhstan, stressing spring grains in or nearing reproduction. Highest weekly temperatures ranged from 31 to 36 degrees C. By mid-week, a slow moving cold front brought cooler weather and scattered showers (10-25 mm, with local amounts in excess of 50 mm) to northern Kazakhstan and adjacent areas of Russia, easing crop stress. However, unfavorably hot, dry weather continued over eastern Kazakhstan and the eastern portion of Western Siberia in Russia. Further west, beneficial showers (23-50 mm) continued over spring grain areas in the Urals and eastern Volga Valley in Russia, but unseasonably cool weather (weekly average temperatures 1-4 degrees C below normal) slowed crop development.

EUROPE: Harvesting of winter barley and winter wheat was underway across the Mediterranean region. Showers (10-45 mm) slowed early harvesting in southern France, northern Italy, and scattered areas of southeastern Europe. Isolated heavier rain (50-104 mm) was scattered over the region. Showers (10-66 mm) across southern and eastern Germany benefited filling winter grains and reproductive spring-sown crops. Light showers (8 mm or less) were favorable for maturing crops in southern England, but topsoil moisture is diminishing for summer crops in northern France, where mostly dry weather prevailed. Generally dry weather also prevailed in much of eastern Europe, where winter grains were mostly filling. Weekly temperatures averaging mostly 2-5 degrees C above normal promoted crop development throughout Europe. The recent hot weather reduced soil moisture for corn nearing reproduction in the east. Variable showers (2-30 mm) and seasonable temperatures prevailed over Scandinavian crop areas.



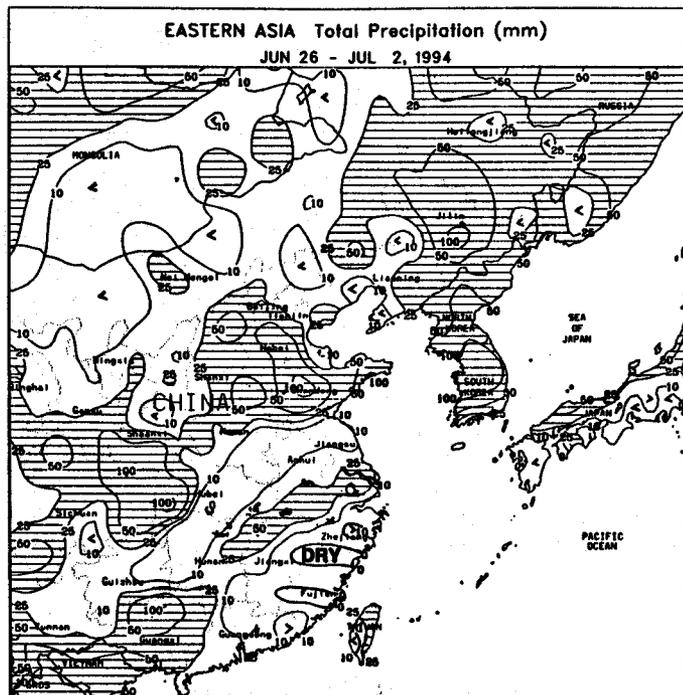


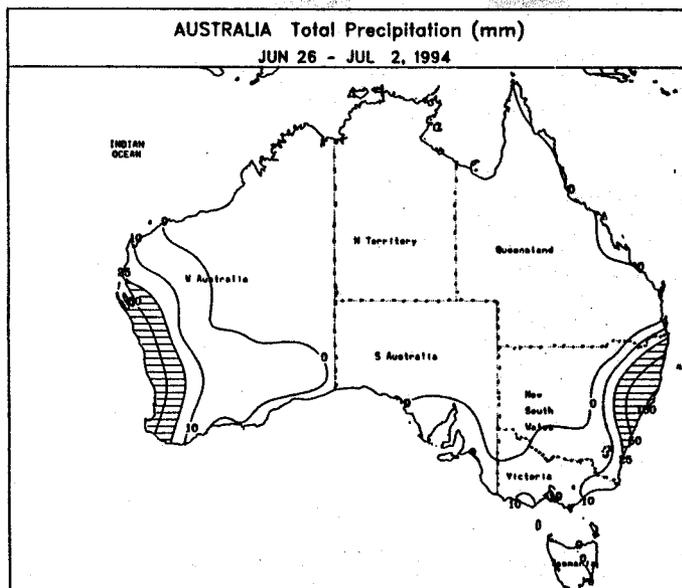
SOUTH ASIA: Moderate to heavy monsoon showers (50-100 mm or more) pushed northward, reaching India's northernmost crop areas. It was the heaviest rain of the season in important western oilseed areas (Gujarat and Rajasthan), as well as northern rice areas (Uttar Pradesh and Bihar). The rains held temperatures to seasonable levels (highs in the low to mid 30's C across central and northern India. Heavy rain (50-100 mm or more) also continued in rice areas of eastern India and Bangladesh. In the south, inundating rain (100-222 mm or more) fell along the west coast. Further inland, however, rainfall totaled 25 mm or less over grain, oilseed, and cotton areas from Maharashtra southward.



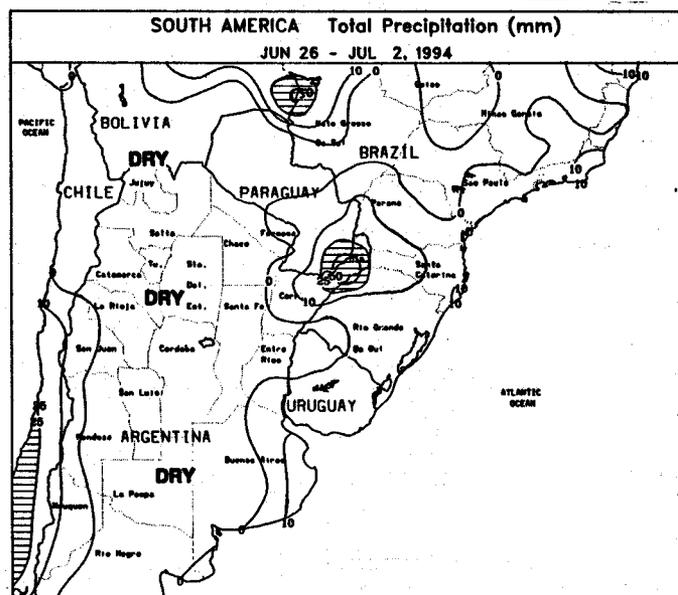
SOUTHEAST ASIA: Moderate to heavy rain (50-100 mm or more) fell throughout Indochina, with some of the region's heaviest rain (100-211 mm) falling over parts of central Thailand that were trending dry. The rains boosted moisture reserves for rice and corn, but flooding likely occurred in sections of Thailand and Vietnam. The heavy rain extended southward to Malaysia, but Java continued to be dry. While this is the driest time of year in southern Indonesia, most locations in Java expect 50-100 mm or more per month from June to September, which is important for corn and second-season rice. In the Philippines, beneficial rain (25-50 mm or more) continued throughout primary grain and sugarcane areas.

EASTERN ASIA: Moderate showers (15-60 mm, with isolated amounts greater than 100 mm) covered most of the North China Plain, benefiting vegetative summer crops. The rain also slowed winter wheat harvesting, which neared completion. Widespread moderate rain (15-50 mm) continued to benefit summer crops throughout Manchuria. East-central Sichuan received light to moderate rain (10-40 mm), aiding summer crops. Scattered showers (5-45 mm) fell across southern China, with beneficial drier weather (rainfall less than 20 mm) in areas that experienced flooding (Guangdong, Jiangxi, Zhejiang, and Fujian). Temperatures averaged 2-5 degrees C above normal across central and southern China and near normal across Manchuria. Moderate to heavy rains (40-150 mm) fell across South Korea, while Japan received 5-30 mm in the south and 15-50 mm in the central and northern areas. Temperatures averaged 1-3 degrees C above normal in South Korea and southern and central Japan, while northern Japan reported near-normal temperatures.

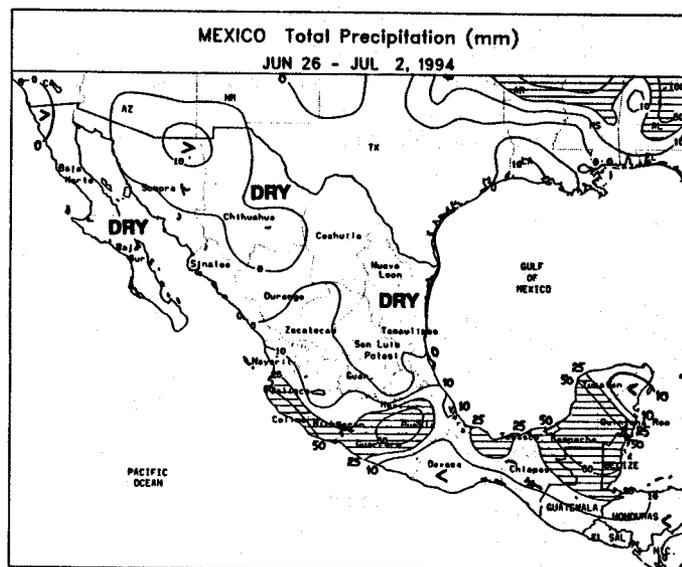




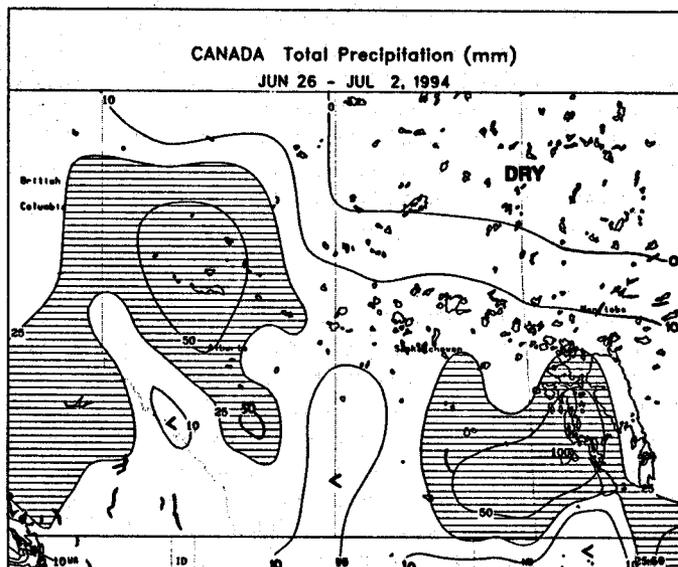
AUSTRALIA: Dry weather continued to delay winter wheat planting across Queensland and New South Wales. Rain is needed in the next 1-2 weeks across the east to allow some late wheat planting to occur. The latest wheat can be planted by mid-July. The southern wheat areas received only light rain (less than 10 mm), where rainfall has been averaging below normal. However, unlike the eastern wheat areas, the south has been receiving enough rain for planting. Light to moderate rain (10-40 mm) covered the western wheat areas, favoring germinating to vegetative wheat. Dry weather aided sugarcane harvesting across northeastern Queensland. Temperatures averaged 1-2 degrees C above normal across the west and near normal across the south and east.



SOUTH AMERICA: Light showers (5-15 mm) favored vegetative wheat across southern Brazil. Elsewhere throughout southern Brazil, little or no rain was reported. After the early-week frost event, temperatures moderated but still averaged 2-3 degrees C below normal. Dry weather prevailed throughout most of Argentina, aiding late winter wheat planting and northern cotton harvesting.



MEXICO: Seasonal showers (10-40 mm, with isolated amounts greater than 75 mm) fell across the Yucatan Peninsula into the Southern Plateau Corn Belt, boosting topsoil moisture for summer crops. Hot weather continued across the north (Sonora, Chihuahua, and Coahuila), with maximum temperatures ranging from 40 to 44 degrees C (2-4 degrees C above normal), increasing irrigation requirements. Temperatures across the main corn belt averaged near normal.



CANADA: Moderate to heavy showers (25-100 mm) pushed through the eastern Prairies, covering a large section of eastern Saskatchewan and western Manitoba. However, a pocket of drier weather (10 mm or less) redeveloped in southern Manitoba. Further west, light to moderate rain (25 mm or less) covered most grain and oilseed areas, although moderate to heavy rain (31-83 mm) returned to the Peace River Valley. The driest region continued to span the Alberta-Saskatchewan border, which includes important canola, barley, and durum areas. Crops were entering reproduction

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(Continued from p. 13)

SPRING WHEAT HEADED

	Current	Last Wk	1993	Avg.
ID	73	43	23	49
MN	96	42	60	72
MT	40	16	15	29
ND	47	23	35	55
SD	99	80	65	88

5 States 61 32 39 57

These 5 States produced 97% of the 1993 spring wheat crop.

COTTON SQUARING

	Current	Last Wk	1993	Avg.
AL	70	49	61	78
AZ	99	96	94	95
AR	96	74	71	77
CA	60	40	60	75
GA	88	83	81	83
LA	91	84	70	75
MS	95	93	76	76
MO	93	72	69	69
NM	54	45	35	51
NC	55	34	54	51
OK	42	8	43	20
SC	76	54	59	61
TN	89	65	85	62
TX	57	40	59	41

14 States 71 56 65 59

These 14 States produced 99% of the 1993 cotton crop.

SOYBEANS BLOOMING

	Current	Last Wk	1993	Avg.
AL	10	3	7	6
AR	5	4	13	5
GA	16	5	5	7
IL	14	4	3	19
IN	9	0	6	8
IA	22	0	0	6
KS	10	3	1	10
KY	4	1	1	1
LA	9	3	8	5
MI	2	0	10	10
MN	16	5	0	4
MS	28	6	2	5
MO	9	4	1	8
NE	11	2	1	5
NC	4	0	2	3
OH	12	0	11	15
SC	5	0	4	4
SD	20	3	0	10
TN	2	0	2	3

19 States 13 2 4 9

These 19 States produced 95% of the 1993 soybean crop.

WINTER WHEAT HARVESTED

	Current	Last Wk	1993	Avg.
AR	92	78	88	94
CA	75	55	65	71
CO	70	11	2	5
GA	99	97	99	98
ID	0	0	0	0
IL	54	15	19	53
IN	19	6	17	33
KS	100	60	40	60
MI	0	0	0	5
MO	64	24	22	54
MT	0	0	0	0
NE	43	2	0	17
NC	89	75	91	83
OH	1	0	1	20
OK	99	92	77	89
OR	0	0	0	1
SD	0	0	0	1
TX	90	66	80	80
WA	0	0	0	1

19 States 65 41 36 47

These 19 States produced 92% of the 1993 winter wheat crop.

COTTON SETTING BOLLS

	Current	Last Wk	1993	Avg.
AL	9	4	6	13
AZ	55	38	57	61
AR	10	9	2	6
CA	5	*2	6	7
GA	22	9	21	19
LA	38	19	19	15
MS	34	10	9	16
MO	7	0	2	0
NM	26	2	19	29
NC	10	+4	8	9
OK	0	0	0	0
SC	17	10	11	16
TN	7	0	2	2
TX	19	15	15	12

14 States 19 11 12 12

(* revised)

These 14 States produced 99% of the 1993 cotton crop.

RICE HEADED

	Current	Last Wk	1993	Avg.
AR	5	NA	0	0
CA	0	NA	0	0
LA	39	NA	27	32
MS	7	NA	0	6
TX	36	NA	7	27

5 States 14 NA 6 10

These 5 States produced 96% of the 1993 rice crop.

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