

# WEEKLY WEATHER AND CROP BULLETIN

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

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

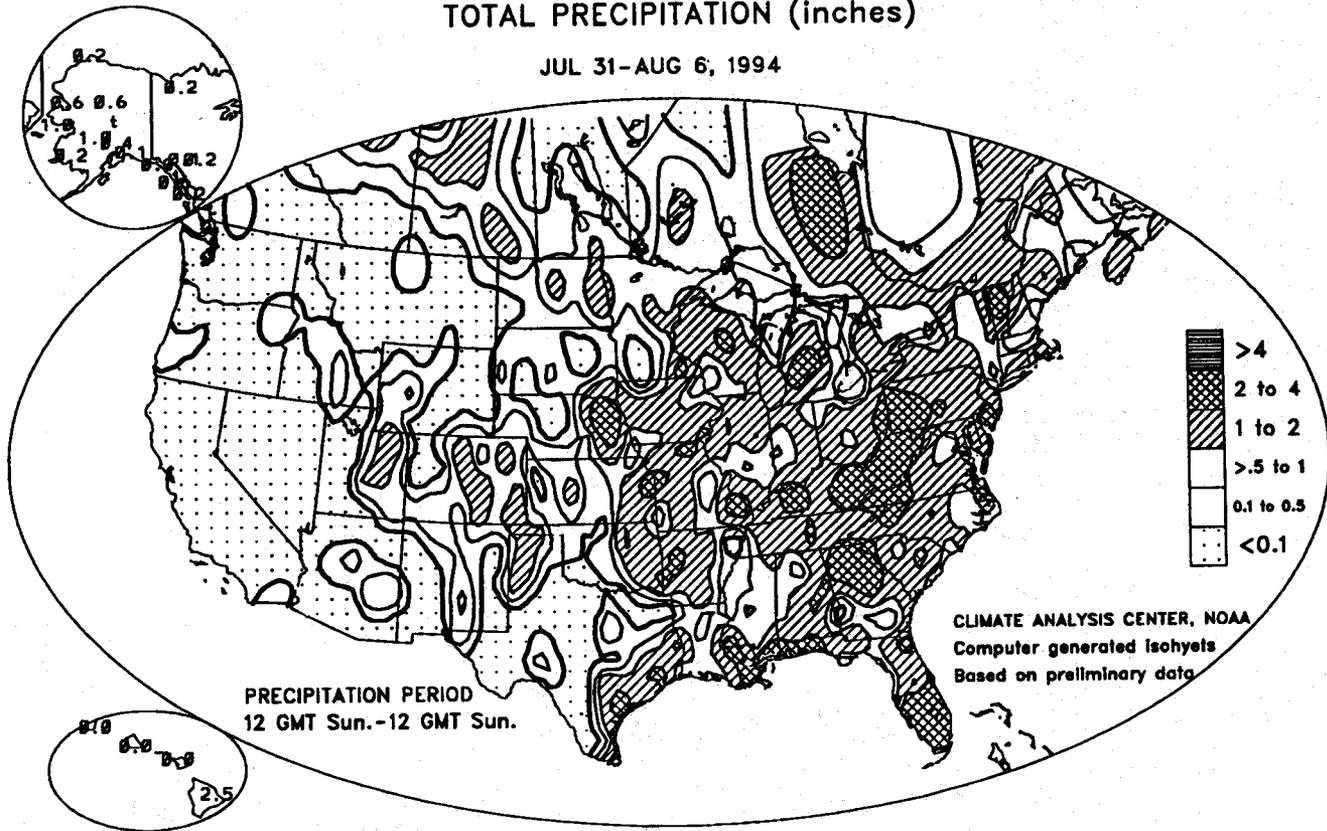
Volume 81, No. 32

Washington, D.C.

August 9, 1994

## TOTAL PRECIPITATION (inches)

JUL 31 - AUG 6, 1994



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

## HIGHLIGHTS

July 31 - August 6, 1994

A cool surge, even stronger than last week's anomalous push, descended upon the eastern half of the Nation late in the week, preceded by a band of beneficial rainfall across the Corn Belt. Farther west, the summer-long heat wave re-intensified in the Southwest, reaching August-record proportions in some locations, but gradually eased in the Northwest, although dry conditions persisted. In the Southeast, muggy weather with scattered heavy rainshowers continued.

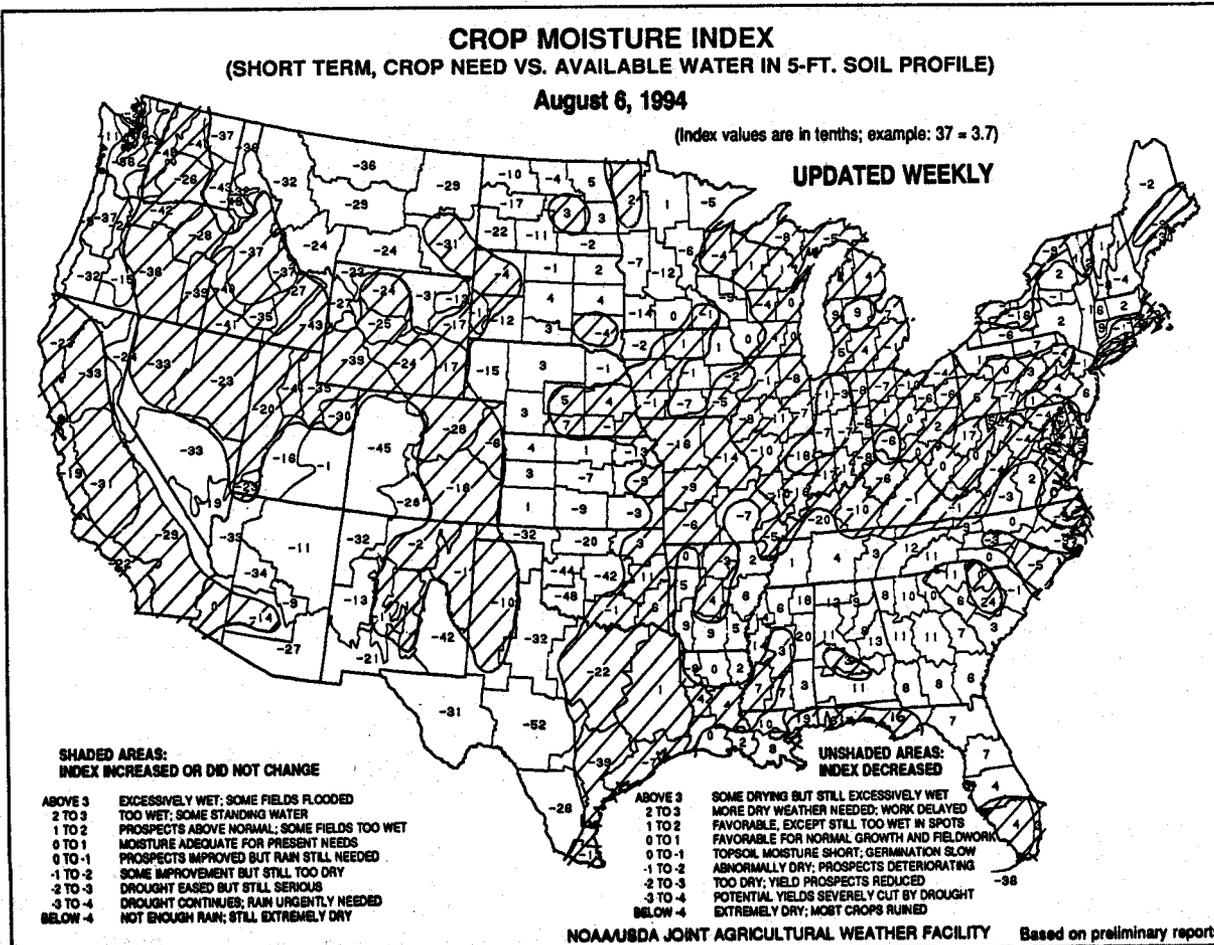
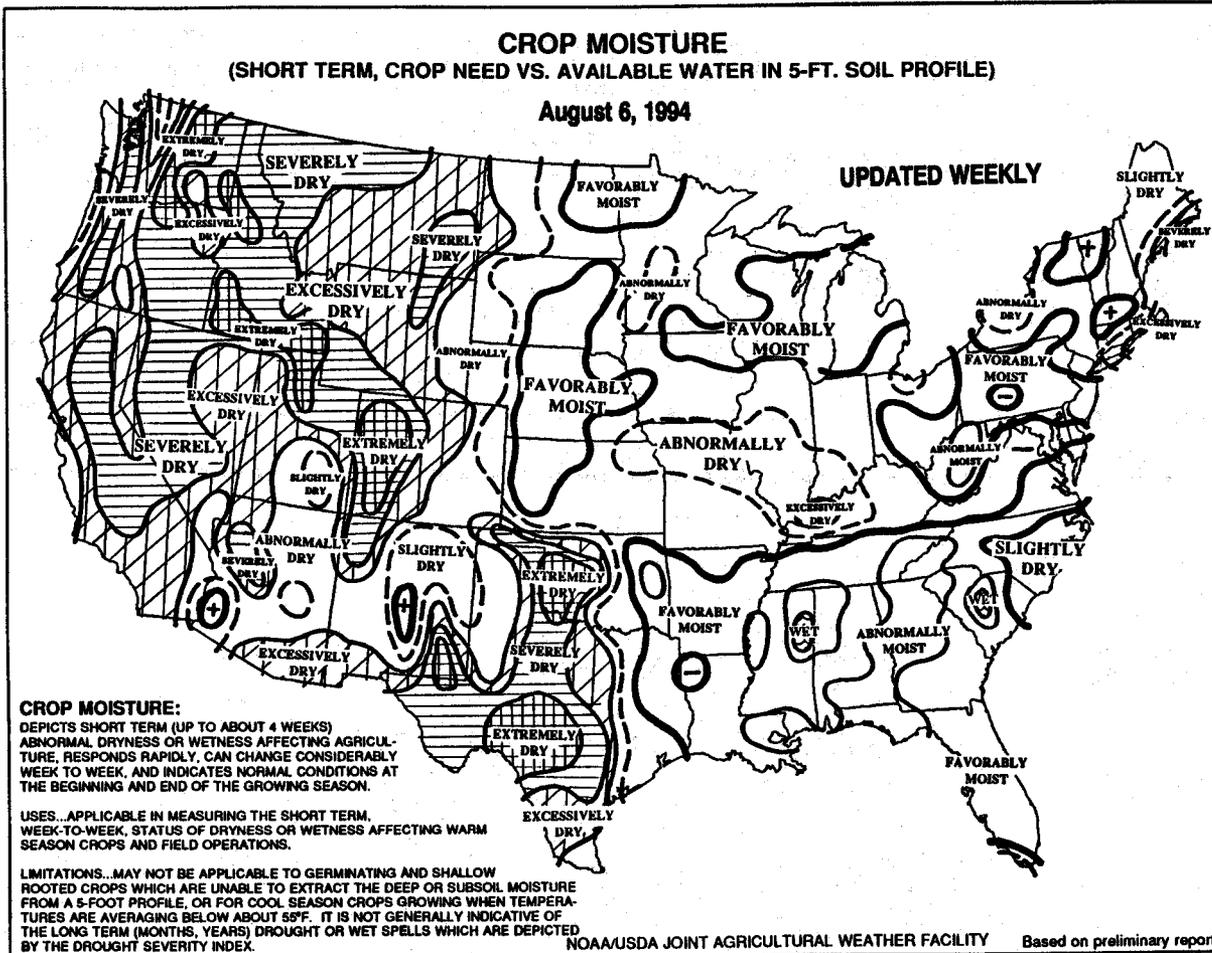
Early in the week, a weak frontal system meandered across the northern and western Corn Belt, producing scattered thunderstorms. More than 1 inch of rain fell Sunday on Rochester, MN and Omaha, NE. Local downpours also pelted the Southeast on the last day of July, including Atlanta, GA (2.05

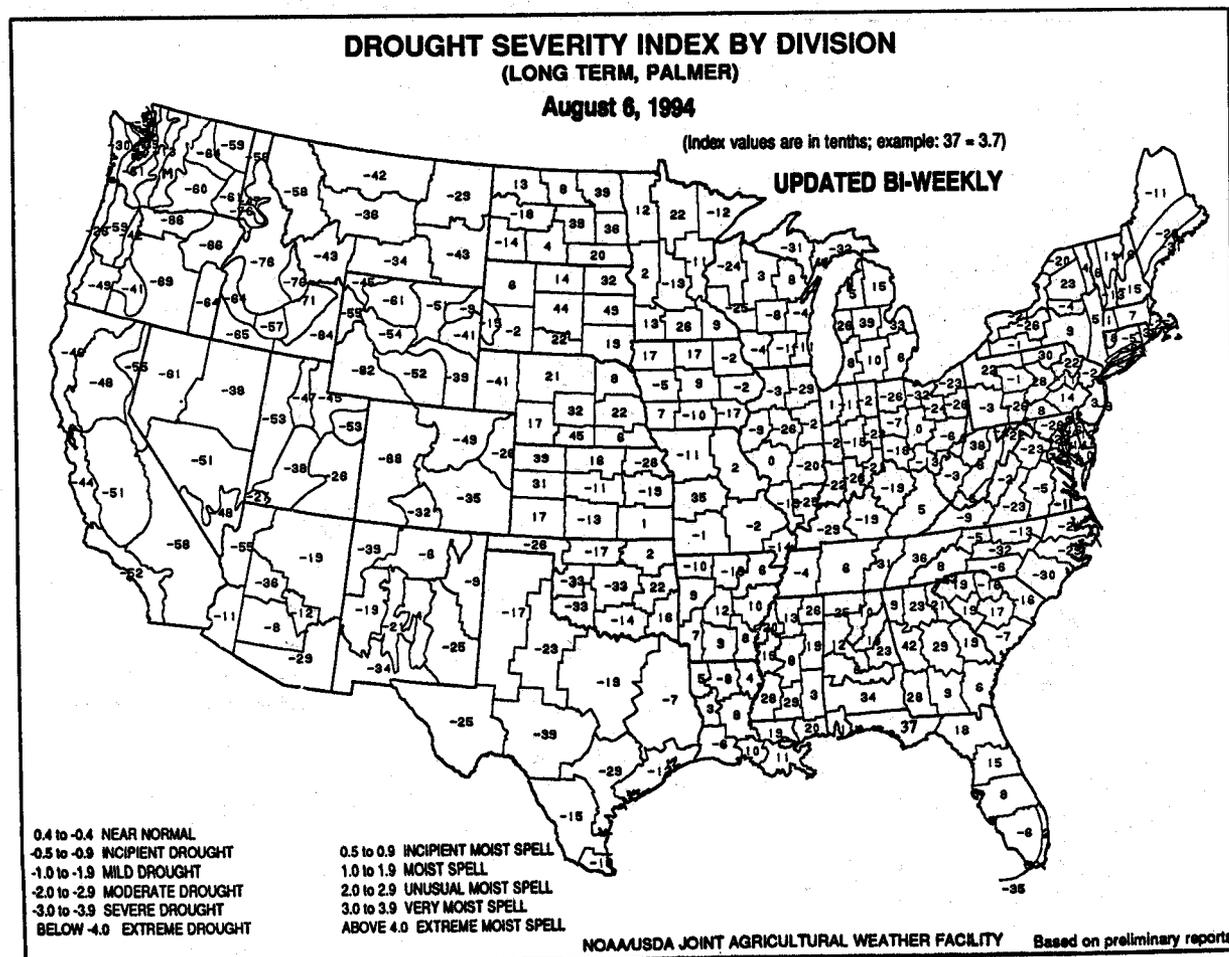
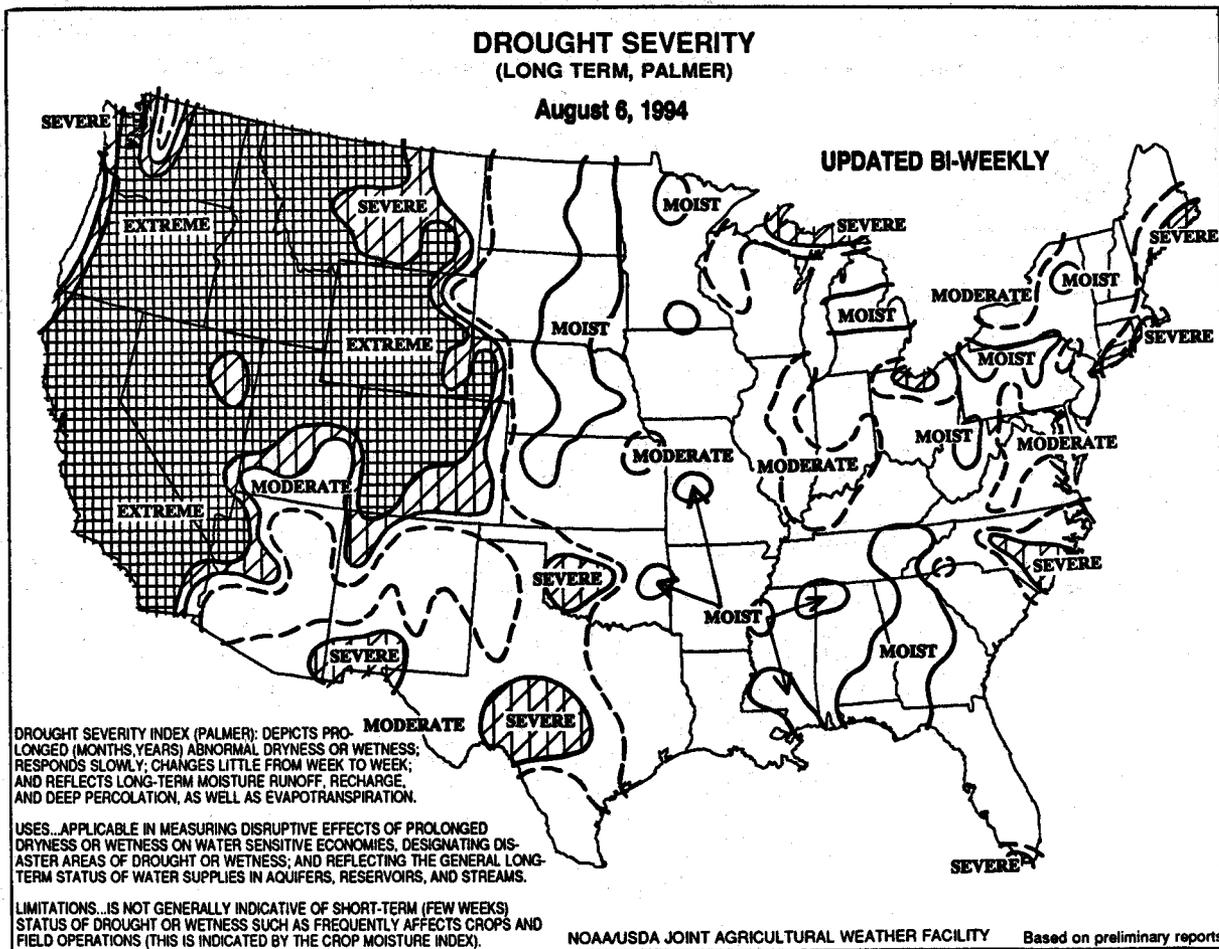
(Continued to p. 13)

## Contents

Page

Highlights & Total Precipitation Map .....	1
Crop Moisture Maps .....	2
Drought Severity Maps .....	3
Precipitation Needed to End Drought & Temperature Departure Maps .....	4
Extreme Maximum & Minimum Temperature Maps ...	5
Growing Degree Day Table .....	6
National Weather Data for Selected Cities .....	7
July Weather and Crop Summary .....	10
July Precipitation & Temperature Maps .....	11
July Weather for Selected Cities .....	12
National Agricultural Summary .....	13
Crop Progress and Condition Tables .....	14
State Summaries of Weather and Agriculture ...	16
International Weather and Crop Summary .....	21
Subscription and Mailing Permit Information .....	24



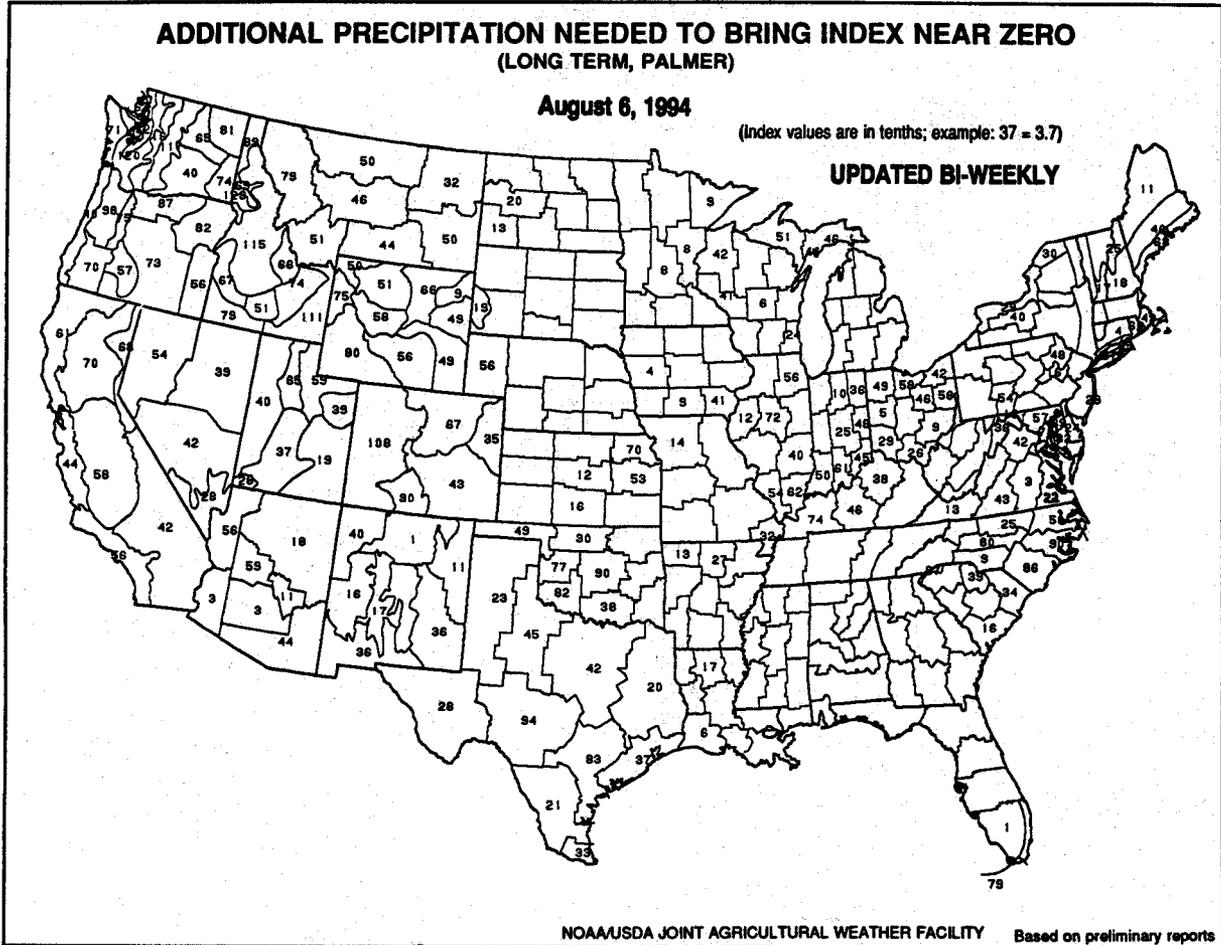


ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX NEAR ZERO  
(LONG TERM, PALMER)

August 6, 1994

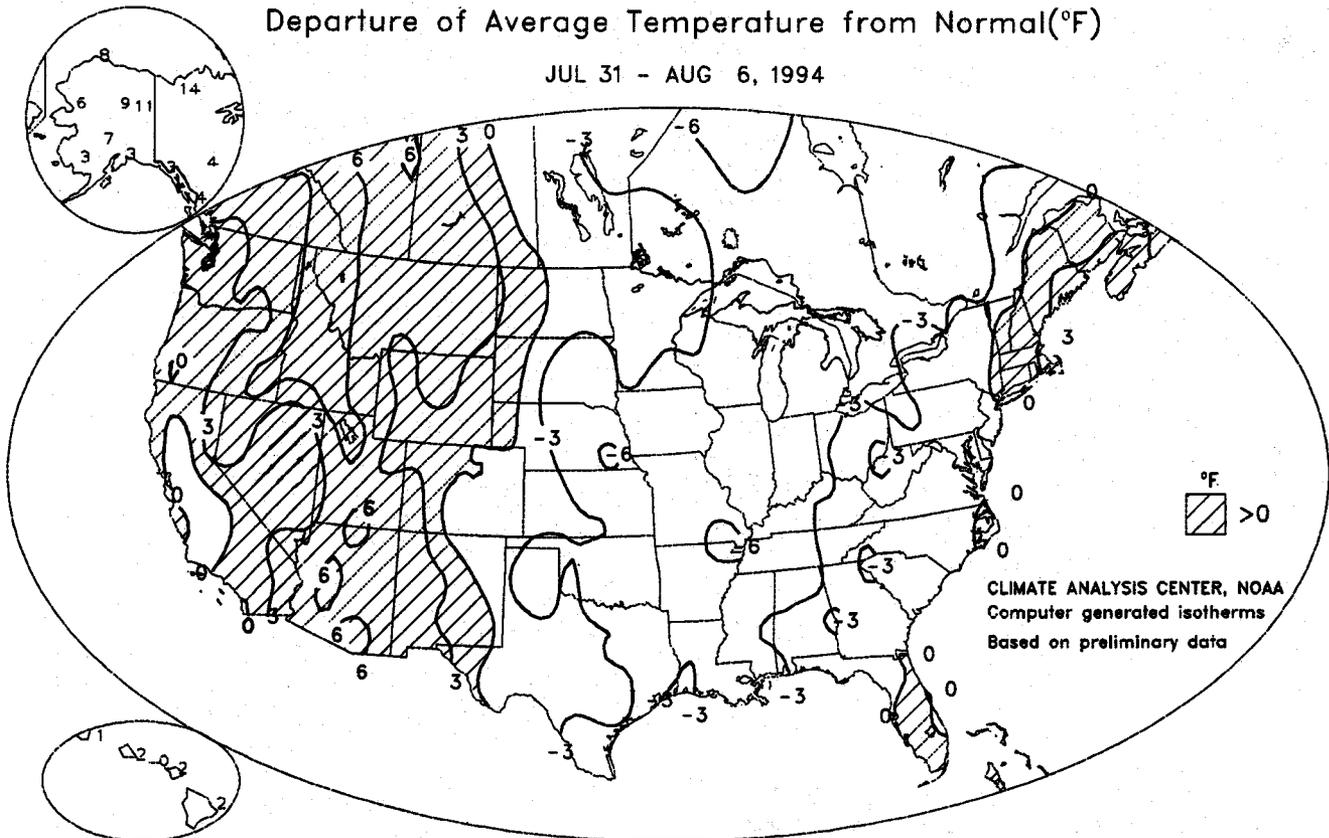
(Index values are in tenths; example: 37 = 3.7)

UPDATED BI-WEEKLY



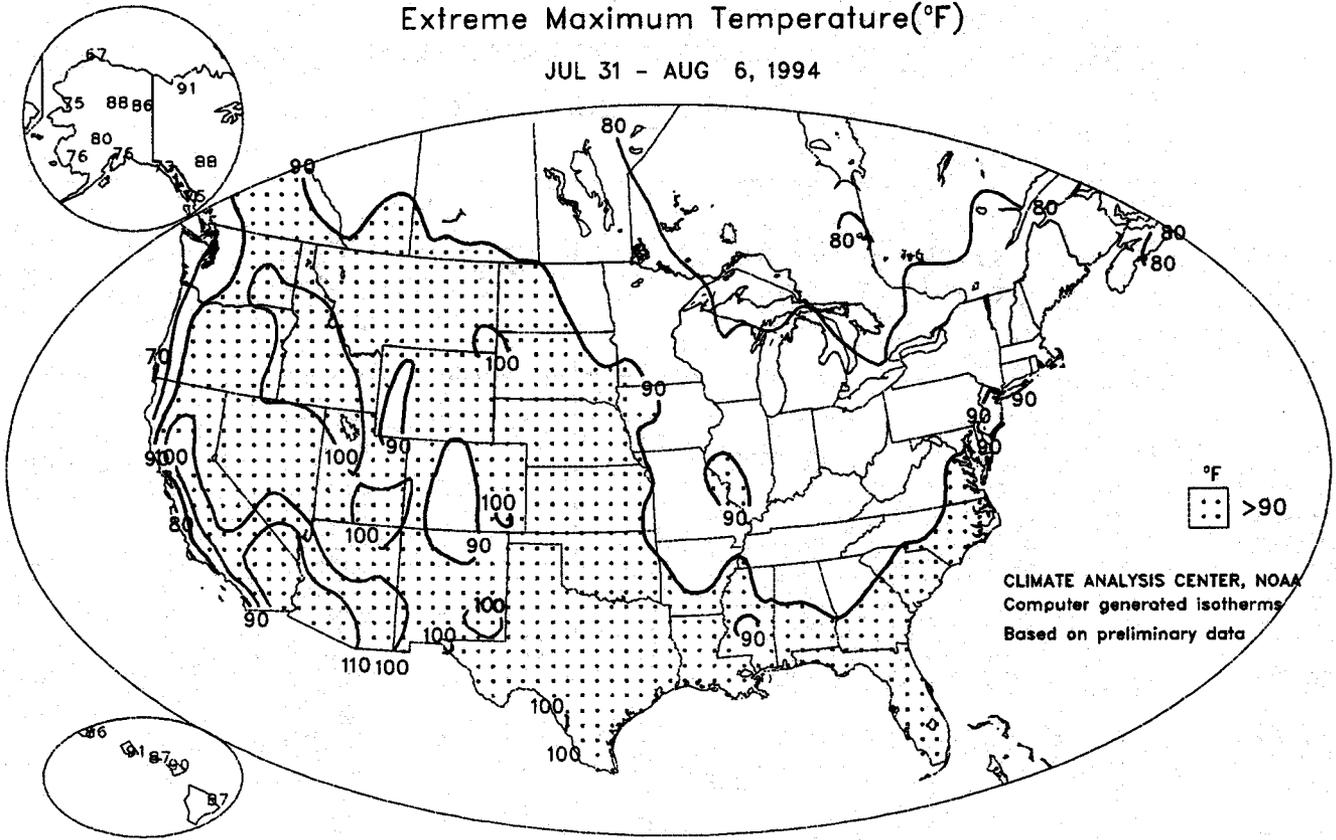
Departure of Average Temperature from Normal(°F)

JUL 31 - AUG 6, 1994



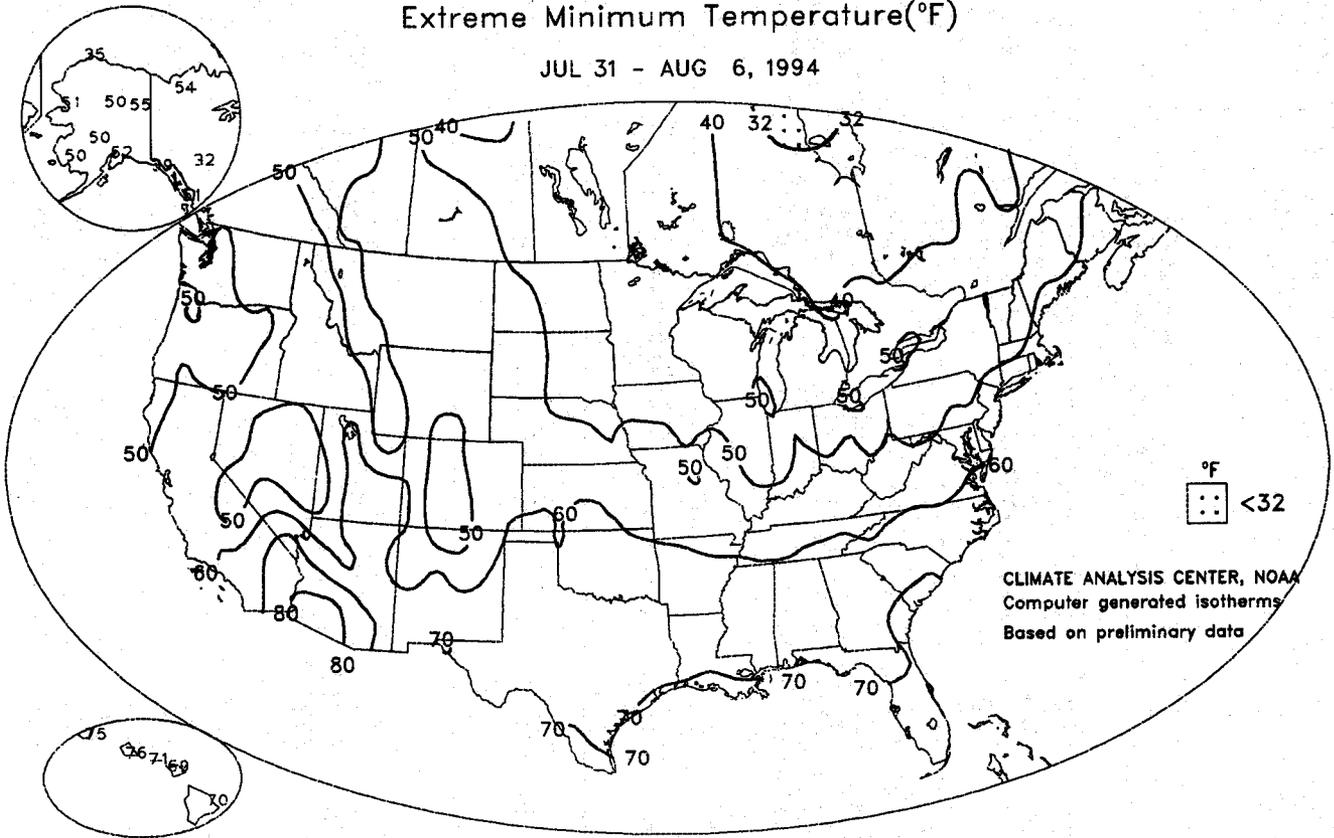
Extreme Maximum Temperature(°F)

JUL 31 - AUG 6, 1994



Extreme Minimum Temperature(°F)

JUL 31 - AUG 6, 1994



## CUMULATIVE GROWING DEGREE DAYS (CORN\*) March 1 - August 6, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ANNISTON	3204	+ 187	AL BIRMGHAM	3194	+ 120	AL MOBILE	3612	+ 42
AL MONTGOMERY	3512	+ 332	AL MUSCLE SHOALS	3094	+ 160	AL OMAHA	3484	+ 134
AL TUSCALOOSA	3310	+ 107	AK DOUGLAS	3151	+ 297	AK FLAGSTAFF	---	---
AK FRENCH	4115	+ 447	AK TUCSON	3730	+ 387	AK YUMA	4370	+ 532
AK PRISCOTT	2470	+ 481	AR EL DORADO	3323	+ 137	AR FAYETTEVILLE	2795	+ 166
AR FORT SMITH	3259	+ 264	AR JONESBORO	3055	+ 61	AR LITTLE ROCK	3230	+ 177
AR TEXARKANA	3388	+ 97	CA BAKERSFIELD	3137	+ 97	CA BLUE CANYON	1480	+ 176
CA DAGUERRA	3585	+ 335	CA EUREKA	2983	+ 291	CA FAIRFIELD	2419	+ 228
CA FRESNO	3029	+ 342	CA MARYSVILLE	2833	+ 251	CA MT. SHASTA	1714	+ 238
CA PALO ALTO	2434	+ 239	CA RED BLUFF	2782	+ 92	CA RIVERSIDE	2640	+ 73
CA SANTA ANA	2894	+ 463	CA SAN DIEGO	2344	+ 67	CA SACRAMENTO	2820	+ 169
CA THERMAL	3733	+ 11	CO ALAMOSA	1530	+ 89	CO DENVER	2319	+ 436
CO EAGLE	1669	+ 152	CO GRAND JUNCTION	2655	+ 334	CO LA JUNTA	2583	+ 304
CO LOVER	2429	+ 33	CO WILMINGTON	2555	+ 335	FL DAYTONA BEACH	3894	+ 198
FL FORT MYERS	4337	+ 306	FL GAINESVILLE	3688	+ 15	FL JACKSONVILLE	3727	+ 151
FL FORT LAUDERDALE	4722	+ 550	FL MIAMI	4644	+ 326	FL MIAMI	3640	+ 192
FL PENSACOLA	3721	+ 100	FL ST. PETERSBURG	4244	+ 116	FL TALLAHASSEE	3643	+ 147
FL TAMPA	4187	+ 263	FL VERO BEACH	4157	+ 279	FL W. PALM BEACH	4398	+ 259
GA ATHENS	3162	+ 228	GA AUGUSTA	3304	+ 179	GA BROWN SWICK	3741	+ 214
GA COLUMBUS/METRO	3468	+ 210	GA MACON	3407	+ 135	GA SAVANNAH	3697	+ 315
ID BOISE	2207	+ 384	ID BURLEY	2081	+ 494	ID IDAHO FALLS	1790	+ 362
ID POCATELLO	1876	+ 337	IL BELLEVILLE	2600	+ 85	IL CHICAGO/MIDWAY	2095	+ 65
IL DECATUR	2255	+ 97	IL PEORIA	2306	+ 183	IL ROCKFORD	2062	+ 170
IL SPRINGFIELD	2408	+ 93	IL QUINCY	2279	+ 7	IN INDIANAPOLIS	2314	+ 92
IN SOUTH BEND	2043	+ 153	IN TERRE HAUTE	2345	+ 86	IA DES MOINES	2248	+ 48
IA MASON CITY	1929	+ 24	IA OTTUMWA	2286	+ 103	IA SIOUX CITY	2237	---
IA WATERLOO	2094	---	KS CHAMOTE	2706	+ 83	KS DODGE CITY	2645	+ 165
KS GARDEN CITY	2614	+ 166	KS GOODLAND	2288	+ 239	KS MEDICINE LODGE	2952	+ 210
KS RUSSELL	2697	+ 269	KS SALINA	2732	+ 204	KS TOPKA/BILLARD	2634	+ 149
KS WICHITA	2813	+ 127	KY LEXINGTON	2459	+ 61	KY BOWLING GREEN	2697	+ 72
KY PADUCAH	2807	+ 79	LA LAFAYETTE	3751	+ 134	LA LAKE CHARLES	3828	+ 194
LA MONROE	3606	+ 260	LA NEW ORLEANS	3747	+ 113	LA SHREVEPORT	3505	+ 194
ME AUGUSTA	1588	+ 172	ME CARIBOU	1308	+ 212	ME HOUPTON	1371	+ 164
ME PORTLAND	1587	+ 275	MD BALTIMORE	2649	+ 333	MD WASHINGTON	1723	+ 191
MI GRAND RAPIDS	1831	---	MI JACKSON	1863	+ 68	MI LANSING	1791	- 27
MI MONTAGNA	1600	+ 13	MI PELLSTON	1410	+ 127	MI SAULT STE. MARIE	1100	+ 45
MI TRAVERS CITY	1607	+ 133	MI DOWNTON	1292	+ 169	MI INT'L FALLS	1388	+ 124
MI KIRKPATRICK	1908	---	MI ROCHESTER	1729	---	MI ALBANDERIA	1702	+ 148
MI BILAKI	3788	+ 144	MI COLTSVILLE	3511	+ 417	MI JACKSON	3349	+ 154
MI MERIDIAN	3522	+ 288	MI GREENWOOD	3452	+ 207	MO COLUMBIA	2473	+ 109
MO JOVILIN	2842	+ 125	MO SPRINGFIELD	2722	+ 192	MO VICTOR	2583	+ 81
MO HELMGA	1704	+ 355	MO HALLS BELL	2437	+ 93	MO MILLS CITY	2052	+ 291
MO GRAND ISLAND	2319	+ 179	MO NORTH POLE	2331	+ 273	MO NORTH PLATTE	2222	+ 274
MO VALENTINE	2102	+ 112	MO SCOTTSBLUFF	2190	+ 317	MO SIDNEY	2106	+ 393
MO ELKO	1761	+ 190	MO HLY	1749	+ 287	MO LAS VEGAS	3872	+ 568
MO RENO	2213	+ 456	MO WINDSOR	2102	+ 353	MO CONCORD	1838	+ 255
MO NEWARK	2646	+ 479	MO ALBUQUERQUE	2881	+ 488	MO CARLSBAD	3489	+ 341
MO CLOVIS	2816	+ 268	MO GALUP	2068	+ 167	MO TROY OR CONSEQ.	3089	+ 301
MO ALBANY	1906	+ 181	MO ALBANY	1810	+ 165	MO GREEN FALLS	1786	+ 216
MO FOGGERSVILLE	2086	+ 263	MO ROCHESTER	1810	+ 123	MO SYRACUSE	1789	+ 119
MO UTICA	1717	+ 162	MO WATERBURY	1610	+ 49	MO ASHEVILLE	2437	+ 151
MO FAYETTEVILLE	3216	+ 303	MO GREENSBORO	2785	+ 148	MO HICKORY	2805	+ 189
MO RALPH	2977	+ 249	MO WILMINGTON	3311	+ 264	MO NEW BERN	3193	+ 220
MO BISMARCK	1732	+ 183	MO DICKINSON	1586	+ 138	MO JAMESVILLE	1675	+ 159
MO MINOT	1609	+ 178	MO GRAND FORKS	1662	+ 192	MO ABERN-CANTON	1918	+ 67
MO COLUMBUS	2239	+ 167	MO DAYTON	2241	+ 87	MO FINELAY	1952	+ 20
MO YOUNGSTOWN	1867	+ 144	MO KANSASVILLE	2105	+ 79	OK ALFUS	3247	+ 82
OK GAGE	2896	+ 168	OK HOBART	3097	+ 129	OK MCALISTER	3170	+ 115
OK PONCA CITY	3111	+ 370	OK TULSA	3071	+ 73	OK BAKER	1685	+ 283
OK HUGHES	1736	+ 265	OK NORTH BEND	1049	+ 201	OK VENTNOR	2047	+ 245
OK BETHLEHEM	1615	+ 188	OK PORTLAND	1908	+ 409	OK SALEM	1831	+ 385
OK SERTON SUMMIT	1142	+ 82	PA ALLENTOWN	2311	+ 344	PA PHILADELPHIA	2476	+ 584
PA WILLIAMSPORT	2160	+ 272	SC CHARLESTON	3680	+ 328	SC CHARLESTON	3679	+ 317
SC COLUMBIA	3426	+ 271	SC FLORENCE	3420	+ 278	SC SUNTER/SHAW AFB	3303	+ 137
SD ABERDEEN	1983	+ 340	SD HURON	1937	+ 104	SD FERRIS	2126	+ 294
SD RAPID CITY	2025	+ 326	SD SIOUX FALLS	2120	+ 240	SD WATERBURY	1739	+ 127
SD BRISTOL	2536	+ 125	SD CHATTANOOGA	2991	+ 192	SD CROSSVILLE	2533	+ 164
SD NEWARK	3380	+ 261	SD HARTSEL	2911	+ 89	SD ABILENE	3417	+ 94
SD AMARILLO	2709	+ 110	SD AUSTIN	3820	+ 179	SD BROWNVILLE	4284	+ 84
SD COLLEGE STATION	3750	+ 166	SD DALLAS	2674	+ 227	SD DEL RIO	4015	+ 334
SD DALLAS/FT. WORTH	3565	+ 203	SD GALVESTON	4145	+ 317	SD HOUSTON/INTCNL	3906	+ 337
SD KINGVILLE/HAS	4160	+ 119	SD LARDO	4323	+ 179	SD LUBBOCK	3147	+ 257
SD MCALLEN	4417	+ 325	SD MIDLAND	3341	+ 90	SD PALACIOS	3981	+ 121
SD SAN ANTONIO	3948	+ 220	SD VICTORIA	3948	+ 206	SD WACO	3595	+ 40
SD WICHITA FALLS	3238	+ 25	SD WICK	3527	+ 251	UT CEDAR CITY	2257	+ 378
VT BARRER-MONTPELIER	1553	+ 242	VA BURLINGTON	1801	+ 281	VA CHARLOTTEVILLE	2712	+ 225
VA HAMPTON/LANGLEY	2913	+ 259	VA LYNDSEBORG	2559	+ 158	VA NORFOLK	3098	+ 465
VA RICHMOND	2890	+ 282	VA BELLINGHAM	1307	+ 287	VA HOQUAN	1042	+ 159
VA SEATTLE-TACOMA	1562	+ 361	VA SPOKANE	1720	+ 287	VA TACOMA	---	---
VA WALLA WALLA	2375	+ 483	VA WENATCHEE	2224	+ 275	VA YAKIMA	2055	+ 280
WV HUNTINGTON	2520	+ 260	WV MARTINSBURG	2362	+ 171	WV MORGANTOWN	2232	+ 102
WV HAY CLARK	1834	+ 176	WV GREEN BAY	1750	+ 223	WV LACROSSE	1992	+ 144
WV MADISON	1974	+ 176	WV WAUSAU	1690	+ 170	WV CASPER	2040	+ 508
WV LAMBER	1967	+ 466	WV SHERIDAN	1840	+ 360	WV WORLAND	2161	+ 498

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 August 6, 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		92 AND BELOW		.01 INCH OR MORE		.50 INCH OR MORE	
																	90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE				
AL BIRMINGHAM	85	68	89	65	77	-.4	.6	-.4	.6	13.7	141	38.8	109	95	62	0	0	1	1					
MOBILE	87	70	91	67	79	-.4	1.3	-.3	.8	16.8	127	39.1	98	99	59	2	0	5	1					
MONTGOMERY	90	70	94	69	80	0	2.4	1.4	2.1	17.5	152	38.4	105	95	55	5	0	3	1					
AK ANCHORAGE	68	55	76	52	62	3	.2	-.5	.2	1.9	58	5.2	75	88	56	0	0	1	0					
BARRON	57	40	67	35	48	9	.2	-.0	.2	.9	62	1.4	66	96	64	0	0	4	0					
FAIRBANKS	86	59	93	55	72	12	.2	-.5	.2	3.5	96	4.8	81	87	46	2	0	1	0					
JUNEAU	70	53	76	45	62	5	.1	-1.0	-.1	3.8	47	23.8	92	87	55	0	0	1	0					
KODIAK	62	53	67	50	58	2	.4	-.6	.2	11.1	120	53.6	148	98	58	0	0	3	0					
ROME	59	50	67	44	55	3	1.0	-.4	.6	2.8	73	5.6	79	92	77	0	0	4	1					
AZ PHOENIX	110	87	113	83	98	5	.2	-.2	.2	.2	21	2.8	74	30	15	7	0	0	0	0				
PRESCOTT	95	66	99	63	81	8	.4	-.4	.3	2.4	55	5.8	55	47	17	6	0	2	0	0				
TUCSON	107	79	110	74	93	7	.0	-.6	.0	.7	22	3.4	59	52	16	7	0	0	0	0				
YUMA	112	85	116	81	99	5	.2	-.1	.2	.2	0	.7	50	40	15	7	0	0	0	0				
AR FORT SMITH	87	68	90	64	78	-.4	-.1	-.5	-.1	14.2	204	36.3	147	95	53	1	0	1	0	0				
LITTLE ROCK	86	67	89	63	76	-.5	-.7	-.0	-.5	13.0	164	37.6	129	91	54	0	0	2	0	0				
CA BAKERSFIELD	99	68	105	63	83	-.1	.0	-.0	.0	.2	0	4.2	110	63	21	7	0	0	0	0				
BERKELEY	65	53	67	35	59	1	.0	-.1	.0	.8	111	19.5	92	93	71	0	0	0	0	0				
FRESNO	98	64	105	61	81	-.1	.0	-.0	.0	.2	0	6.3	91	70	20	7	0	0	0	0				
LOS ANGELES	77	64	85	62	70	0	.0	-.0	.0	.2	0	6.2	80	90	60	0	0	0	0	0				
REDDING	100	63	104	60	81	0	.0	-.1	.0	4	15.0	79	65	13	7	0	0	0	0	0				
SACRAMENTO	92	57	102	54	75	-.1	.0	-.0	.0	.0	0	6.7	93	92	29	5	0	0	0	0				
SAN DIEGO	77	65	81	64	71	-.1	.0	-.0	.0	.1	78	8.2	132	91	61	0	0	0	0	0				
SAN FRANCISCO	72	55	87	53	63	0	.0	-.0	.0	.2	25	10.7	87	91	60	0	0	0	0	0				
CO DENVER	90	61	99	56	75	2	.2	.2	.2	1.5	37	5.9	66	82	32	3	0	1	0	0				
GRAND JUNCTION	98	69	102	61	83	4	.2	.2	.2	1.1	3	3.1	54	69	19	7	0	1	0	0				
FURCO	90	58	99	56	74	-.2	1.4	-.9	.6	4.2	110	10.2	140	90	33	3	0	5	1	0				
CF BRIDGEPORT	85	69	89	55	77	3	.7	-.1	.6	4.0	51	24.3	95	80	51	0	0	2	1	0				
HARTFORD	85	64	89	50	74	1	.1	-.3	.4	9.7	128	31.3	121	91	50	0	0	2	0	0				
DC WASHINGTON	85	68	90	56	77	-.3	.5	-.3	.5	5.8	73	25.9	113	89	60	1	0	2	0	0				
FL PANAMA CITY	86	72	89	69	79	-.2	1.6	-.4	1.6	14.0	80	28.2	69	99	65	0	0	1	1	0				
DAYTONA BEACH	82	72	92	69	81	-.1	1.3	-.0	1.3	14.7	118	34.6	128	100	66	1	0	1	1	0				
JACKSONVILLE	82	73	93	71	82	-.1	1.3	-.1	1.1	23.4	191	37.7	130	99	60	7	0	3	1	0				
KEY WEST	89	78	91	76	83	-.1	1.3	-.3	.6	3.5	36	14.0	69	85	64	2	0	5	1	0				
MIAMI	89	77	92	73	83	0	3.2	1.7	1.3	11.2	68	29.2	92	87	61	3	0	6	3	0				
ORLANDO	91	74	92	71	82	0	.2	-.2	.2	23.8	149	38.5	129	94	59	6	0	3	0	0				
TALLAHASSEE	92	70	94	65	81	-.1	-.8	-1.1	-.3	17.7	102	48.3	114	94	54	6	0	2	1	0				
TAMPA	92	74	94	72	83	1	-.4	-.2	1.6	17.6	130	25.9	100	96	60	6	0	3	0	0				
WEST PALM BEACH	89	76	90	73	82	0	1.1	-.3	.6	15.8	104	39.8	120	91	63	2	0	4	1	0				
GA ATLANTA	86	71	88	69	78	-.1	2.9	1.9	2.1	21.0	224	41.5	125	95	61	0	0	4	2	0				
AUGUSTA	88	70	93	67	79	-.2	1.0	-.1	.5	10.2	110	26.9	92	98	62	3	0	3	0	0				
Macon	88	69	90	67	79	-.3	1.0	-.1	.6	24.2	279	42.4	142	97	58	2	0	2	1	0				
SAVANNAH	92	73	94	72	83	1	-.2	-1.5	-.2	14.9	110	32.4	104	98	56	6	0	2	0	0				
HI HONOLOULU	85	72	87	70	79	2	2.5	-.3	.6	27.1	152	95.4	124	94	75	0	0	6	2	0				
KAHULUI	91	77	91	76	84	3	.2	-.1	.2	.7	54	11.8	100	75	49	7	0	0	0	0				
LIIHUE	88	74	90	69	81	2	.2	-.1	.2	1.4	187	9.0	68	78	54	1	0	0	0	0				
ID BOISE	85	77	86	75	81	2	.2	-.4	.2	3.0	71	20.0	82	82	66	0	0	0	0	0				
LEWISTON	98	65	103	58	82	7	.2	-.1	.2	.3	28	5.0	68	54	16	7	0	1	0	0				
POCATELLO	95	66	103	56	80	5	.2	-.1	.2	1.6	78	6.2	80	44	18	5	0	1	0	0				
IL CHICAGO	86	57	102	53	77	5	.3	-.2	.3	.7	39	4.7	63	84	15	7	0	1	0	0				
MOLINE	80	57	88	48	69	-.5	1.0	-.1	.5	8.7	106	17.2	83	89	50	0	0	3	0	0				
PEORIA	82	61	88	50	71	-.4	.8	-.2	.5	11.4	113	20.0	83	92	52	0	0	3	0	0				
QUINCY	83	60	90	50	72	-.3	1.2	-.4	.8	4.4	50	13.3	60	90	55	1	0	4	1	0				
ROCKFORD	82	61	90	51	72	-.4	.2	-.9	.2	3.0	33	12.5	53	84	46	1	0	0	0	0				
SPRINGFIELD	81	57	88	48	69	-.4	-.7	-.3	.6	9.0	95	18.2	84	96	54	0	0	2	1	0				
IN EVANSVILLE	83	63	89	50	73	-.3	-.4	-.3	.3	8.4	111	24.0	112	85	48	0	0	3	0	0				
FORT WAYNE	85	64	90	55	74	-.4	-.6	-.3	.4	6.3	70	20.4	70	92	47	1	0	2	0	0				
INDIANAPOLIS	81	58	87	47	70	-.4	-.9	-.1	.5	7.6	99	20.2	95	95	48	0	0	2	0	0				
SOUTE BEND	83	60	88	50	72	-.3	-.3	-.7	.2	8.5	98	21.2	85	91	47	0	0	2	0	0				
IA DES MOINES	79	58	86	49	69	-.4	.8	.0	.4	10.9	126	19.3	84	91	48	0	0	3	0	0				
STOUC CITY	82	62	89	51	72	-.3	1.3	-.5	.9	10.0	108	17.6	83	91	52	0	0	3	1	0				
WATERLOO	81	61	91	49	71	-.4	1.8	1.1	1.4	9.4	124	14.4	86	97	55	1	0	3	1	0				
KS CONCORDIA	80	57	86	44	69	-.4	-.1	-.8	-.1	11.6	115	18.6	86	93	57	0	0	2	0	0				
DODGE CITY	84	65	92	55	74	-.5	-.1	-.7	-.1	8.4	95	12.6	66	92	54	1	0	1	0	0				
GOODLAND	90	65	96	59	78	-.3	-.4	-.3	.2	6.9	99	10.6	72	89	39	3	0	2	0	0				
GOOSE LAKE	88	61	93	56	74	-.1	.2	-.5	.2	4.9	75	9.8	74	91	38	3	0	0	0	0				
TOPEKA	86	65	91	56	75	-.3	1.6	-.8	1.4	6.6	67	13.3	61	95	48	1	0	4	1	0				
WICHITA	89	67	93	60	78	-.2	.3	-.4	.2	8.9	91	13.9	64	88	45	3	0	3	0	0				
KY BOWLING GREEN	85	63	90	55	74	-.4	-.4	-.5	.4	9.8	101	37.5	117	98	54	2	0	2	0	0				
LEXINGTON	83	63	89	51	73	-.3	.7	-.3	.4	6.8	72	32.6	115	93	54	0	0	2	0	0				
LOUISVILLE	85	65	90	55	75	-.2	.5	-.4	.4	4.9	56	23.3	82	90	47	1	0	2	0	0				
LA BATON ROUGE	85	71	90	70	78	-.4	.8	-.7	1.6	16.1	129	43.9	116	99	66	1	0	2	1	0				
LAKE CHARLES	88	72	91	69	80	-.3	1.3	-.1	1.0	12.1	108	25.3	80	98	62	3	0	4	1	0				
NEW ORLEANS	88	71	93	69	80	-.2	1.0	-.4	.9	19.3	147	34.4	90	97	58	4	0	4	1	0				
SERVEPORT	90	70	93	66	80	-.2	.1	-.6	.0	9.3	109	31.1	102	96	53	4	0	4	0	0				

Based on 1961-90 normals.

Weather Data for the Week Ending August 6, 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		
ME CARIBOU	75	58	82	45	66	1	1.6	-.6	.6	10.9	141	26.4	132	90	56	0	0	5	1		
PORTLAND	82	61	87	51	72	3	.2	-.5	.3	3.2	44	24.3	96	98	57	0	0	1	0		
MD BALTIMORE	85	68	92	55	76	-1	1.1	-.3	.8	8.4	104	31.3	128	97	63	1	0	2	1		
SALISBURY	85	67	90	55	76	-1	1.0	-.4	.5	5.0	56	27.2	100	98	60	1	0	4	0		
MA BOSTON	85	68	92	56	77	3	1.8	-.3	.9	3.7	56	26.9	111	85	50	2	0	3	1		
CHATHAM	79	65	83	59	72	4	1.9	-.1	.7	3.2	46	29.0	111	94	71	0	0	1	1		
MI ALPENA	75	52	83	44	64	-3	1.7	1.1	1.6	10.6	160	19.1	115	95	54	0	0	2	1		
DETROIT	81	60	88	50	71	-2	.2	-.6	.3	7.3	98	19.0	98	88	51	0	0	1	0		
FLINT	77	55	83	45	66	-4	1.4	-.7	1.1	10.7	164	20.9	123	95	57	0	0	2	1		
GRAND RAPIDS	78	57	84	46	67	-4	3.0	2.2	1.8	18.2	241	29.9	150	93	55	0	0	3	2		
HOOVERTON LAKE	76	55	83	43	65	-2	2.0	1.3	1.4	9.0	146	18.1	115	92	56	0	0	3	1		
LANSING	77	55	83	42	66	-4	.8	-.1	.8	10.2	156	19.9	115	99	54	0	0	2	1		
MARQUETTE	72	51	80	42	62	-3	.5	-.2	.3	4.4	63	13.4	69	94	53	0	0	3	0		
MUSKOGON	76	56	83	45	66	-4	2.2	1.5	1.0	9.6	192	20.0	119	94	54	0	0	3	3		
SAULT ST. MARIE	73	50	80	42	61	-3	.7	-.0	.4	7.3	112	17.3	96	93	48	0	0	3	3		
NH ALEXANDRIA	80	61	90	50	70	-1	1.4	-.8	.7	3.9	49	10.0	63	92	46	1	1	0	1		
DULUTH	76	56	83	44	66	0	1.7	-.6	1.0	9.9	96	17.5	100	90	51	0	0	3	1		
INT'L FALLS	77	52	82	39	65	-2	.8	-.1	.6	9.4	115	15.9	94	96	53	0	0	2	1		
MINNEAPOLIS	81	60	88	48	70	-3	.1	-.8	.6	7.2	87	15.5	87	96	48	0	0	2	1		
ROCHESTER	77	56	84	46	67	-4	2.4	1.5	1.6	8.3	98	18.9	104	94	55	0	0	1	2		
MS GREENWOOD	80	69	92	64	79	-3	.1	-.6	.6	12.2	124	31.6	91	97	53	0	0	2	0		
JACKSON	86	69	89	67	78	-4	2.4	1.6	2.0	14.8	187	31.5	118	97	60	2	2	1	1		
MERIDIAN	88	71	91	68	80	-2	.3	-.7	.3	15.9	176	47.3	129	94	57	0	0	3	3		
MO CAPE GIRARDEAU	85	63	90	53	74	-5	3.2	2.4	2.3	7.6	99	26.3	92	96	50	2	2	2	2		
COLUMBIA	83	61	91	49	72	-5	.3	-.4	.3	4.7	57	23.0	100	96	55	2	2	2	2		
KANSAS CITY	85	64	91	55	75	-4	.4	-.4	.2	5.7	57	16.3	72	91	49	2	2	4	2		
SAINT LOUIS	85	67	92	56	76	-4	1.3	-.5	.7	4.8	59	21.7	94	85	49	2	2	3	2		
SPRINGFIELD	83	65	87	58	74	-4	1.1	-.3	1.0	8.8	100	30.1	120	91	49	0	0	3	1		
MT BILLINGS	93	63	97	61	78	5	.7	-.3	.7	4.0	129	8.8	86	74	19	6	6	0	0		
GLASGOW	93	65	97	62	79	7	.7	-.3	.7	2.8	69	6.6	87	75	24	6	6	0	0		
GREAT FALLS	90	58	96	52	74	5	.7	-.3	.7	2.3	59	7.2	69	77	19	6	6	0	0		
HAYDEN	93	58	98	55	76	5	.2	-.1	.1	4.4	131	5.4	71	83	23	6	6	0	0		
HELENA	92	57	96	52	75	5	.2	-.1	.1	1.7	55	5.4	69	80	25	5	5	0	0		
KALISPELL	90	54	94	46	72	7	.7	-.3	.7	2.2	61	7.1	70	83	27	5	5	0	0		
MILES CITY	95	66	101	59	81	5	.7	-.3	.7	1.6	35	5.7	58	66	22	7	7	0	0		
MISSOULA	95	58	99	52	76	8	.1	-.2	.1	2.5	85	8.6	99	81	20	6	6	0	0		
NH GRAND ISLAND	83	59	93	51	71	-5	.7	-.6	.7	9.4	129	15.1	90	94	52	1	1	0	1		
LINCOLN	81	61	90	48	71	-7	1.6	-.8	.7	9.7	125	14.1	80	97	62	1	0	4	1		
NORFOLK	82	60	93	48	71	-4	2.3	1.7	2.2	16.6	203	21.4	123	93	50	1	0	4	1		
NORTH PLATTE	85	59	92	52	72	-2	.7	-.5	.7	9.5	138	13.0	91	94	50	1	0	2	0		
OMAHA	84	63	92	50	73	-3	1.1	-.4	1.0	13.7	171	19.0	102	94	52	1	0	2	1		
SCOTTSBLUFF	89	59	96	55	74	0	.3	-.1	.3	5.6	114	10.8	95	93	32	2	2	1	0		
VALENTINE	85	57	95	49	71	-4	.7	-.7	.7	8.5	115	12.4	82	85	39	2	2	0	0		
NV RLY	92	47	93	44	70	2	.0	-.2	.0	.1	3	5.5	88	87	9	7	7	0	0		
LAS VEGAS	110	81	113	76	95	5	.0	-.1	.0	.1	20	.8	32	41	8	7	7	0	0		
RENO	95	57	98	54	76	5	.0	-.1	.0	.1	12	3.2	68	87	13	7	7	0	0		
WINDHECCA	98	53	99	47	75	3	.7	-.1	.7	.4	33	4.8	94	89	10	7	7	0	0		
NH CONCORD	84	58	89	45	71	2	.1	-.7	.1	6.1	86	22.1	106	98	49	0	0	1	0		
NJ ATLANTIC CITY	84	65	89	51	74	-1	1.1	-.2	.9	5.8	79	28.2	116	96	63	0	0	4	1		
NM ALBUQUERQUE	94	68	99	65	81	3	.3	-.1	.2	1.0	43	3.8	81	67	24	7	7	2	0		
CLOVIS	88	64	98	63	76	-1	.7	-.0	.3	3.9	64	8.4	82	89	33	2	2	4	0		
ROSWELL	96	69	104	65	83	3	.0	-.5	.0	.2	4	5.1	79	72	22	7	7	0	0		
NY ALBANY	81	59	86	45	70	-1	.6	-.2	.4	8.1	109	24.2	113	97	57	0	0	3	0		
BINGHAMTON	76	58	82	46	67	-2	1.4	-.6	.5	12.7	163	28.6	131	94	61	0	0	4	0		
BUFFALO	79	61	86	48	70	-1	1.0	-.2	.8	7.4	100	21.9	104	90	48	0	0	2	1		
NEW YORK	86	71	92	57	79	2	.5	-.4	.5	7.5	89	28.2	110	82	53	1	0	1	1		
ROCHESTER	82	62	89	49	72	3	1.4	-.7	1.0	4.5	71	17.2	94	91	44	0	0	3	1		
SYRACUSE	81	58	88	44	70	-1	.5	-.3	.3	5.5	66	24.3	109	93	46	0	0	3	0		
NC ASHEVILLE	79	63	82	58	71	-3	.5	-.8	.2	13.1	122	36.2	107	99	71	0	0	5	0		
CHARLOTTE	86	70	91	66	78	-1	.7	-.8	.7	7.2	89	22.1	83	91	58	1	0	2	0		
GREENSBORO	82	67	84	61	75	-2	1.9	1.0	1.5	10.1	110	24.4	93	96	62	0	0	3	1		
HATTERAS	87	75	89	69	81	2	.8	-.6	.8	6.9	68	30.3	96	89	66	0	0	1	1		
NEW BERN	88	71	93	64	80	0	.8	-.8	.4	5.1	37	22.1	65	97	60	4	0	3	0		
RALEIGH	86	67	90	60	77	-2	1.0	-.0	.7	7.8	91	23.9	92	96	62	1	0	4	1		
WILMINGTON	87	71	94	65	79	0	1.8	-.2	1.4	9.1	69	31.1	92	98	60	2	0	3	1		
ND BISMARCK	87	56	95	49	71	1	.1	-.4	.0	5.2	99	8.5	79	93	39	3	3	2	0		
FARGO	83	58	89	46	70	-1	.7	-.5	.7	8.3	139	14.0	112	89	46	0	0	2	0		
GRAND FORKS	82	56	88	48	69	0	.4	-.2	.4	10.5	173	14.6	126	92	46	0	0	1	0		
WILLISTON	90	60	97	52	75	4	.7	-.3	.7	4.3	92	10.4	109	83	32	3	3	1	0		
OH AERON-CANTON	79	60	84	48	69	-2	1.8	1.0	.9	7.8	99	25.8	115	94	53	0	0	3	2		
CINCINNATI	81	61	86	51	71	-4	1.2	-.4	.4	10.9	128	26.6	101	97	57	0	0	4	0		
CLEVELAND	81	61	86	53	71	-1	.9	-.2	.9	6.8	86	16.8	78	93	53	0	0	1	1		
COLUMBUS	82	61	87	49	72	0	.4	-.4	.4	8.4	101	21.0	91	93	50	0	0	2	0		
DAYTON	83	62	88	49	73	-1	.4	-.4	.4	8.8	110	24.1	104	92	49	0	0	2	0		

Based on 1961-90 normals.

Weather Data for the Week Ending August 6, 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	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
TOLEDO	88	57	86	45	68	-3	1.3	0.6	0.9	7.1	93	19.8	101	94	50	0	0	0	2	1		
YOUNGSTOWN	88	54	87	40	67	-3	0.8	0.8	0.8	5.5	95	21.5	95	95	49	0	0	0	3	0		
OK OKLAHOMA CITY	92	66	94	60	79	-4	0.0	0.0	0.0	2.9	39	14.9	72	88	35	0	0	0	0	0		
TULSA	88	68	91	62	78	-5	0.5	0.5	0.5	14.5	181	30.1	124	89	46	0	0	0	0	0		
OK ASTORIA	70	55	71	47	63	0	0.0	0.0	0.0	3.3	85	34.7	96	94	68	0	0	0	1	0		
BURNS	92	52	97	47	72	0	0.0	0.0	0.0	0.5	37	2.9	51	54	13	0	0	0	0	0		
MEDFORD	92	58	95	54	75	1	0.0	0.0	0.0	1.3	37	5.1	54	57	23	0	0	0	0	0		
FREDERICK	91	61	99	55	76	0	0.0	0.0	0.0	10.6	85	8.0	114	56	18	0	0	0	0	0		
PORTLAND	94	60	88	56	73	3	0.0	0.0	0.0	1.7	75	14.5	74	80	34	0	0	0	0	0		
SALEM	85	53	90	49	69	0	0.0	0.0	0.0	1.2	57	16.0	76	80	33	0	0	0	0	0		
PA ALLENTOWN	94	64	88	50	74	0	0.0	0.0	0.0	11.7	138	31.9	125	94	55	0	0	0	2	2		
ERIE	79	63	85	52	71	-1	1.2	1.2	1.2	8.2	99	22.0	98	94	53	0	0	0	0	0		
HARRISBURG	83	67	88	60	75	-1	0.5	0.5	0.5	10.4	125	31.2	126	90	56	0	0	0	0	0		
PHILADELPHIA	85	69	91	55	77	2	1.0	1.1	1.1	12.9	134	35.5	120	89	59	0	0	0	0	0		
PITTSBURGH	81	59	86	47	70	-2	3.5	2.7	2.7	9.7	119	27.0	117	88	50	0	0	0	3	3		
SCRANTON	81	59	85	45	70	-2	0.6	0.3	0.3	7.4	88	23.3	106	98	56	0	0	0	0	0		
RI PROVIDENCE	85	66	91	54	75	2	1.1	1.2	1.0	5.1	71	25.0	94	93	51	0	0	0	2	1		
SC CHARLESTON	89	74	94	71	81	0	0.6	1.1	0.6	19.9	135	35.6	110	93	62	0	0	0	0	0		
COLOMBIA	89	70	94	67	80	-1	0.8	0.7	0.3	15.5	135	30.3	96	94	56	0	0	0	5	5		
FLORENCE	90	71	94	69	80	0	2.1	0.8	1.9	9.4	85	24.5	87	98	55	0	0	0	3	3		
GREENVILLE	84	67	88	65	76	-2	1.1	0.8	0.4	17.6	173	33.8	104	96	60	0	0	0	5	5		
SD ABERDEEN	82	57	89	41	69	-3	0.0	0.0	0.0	6.5	90	10.7	76	93	47	0	0	0	0	0		
BURON	82	58	90	45	70	-4	0.0	0.0	0.0	8.1	125	14.4	102	94	49	0	0	0	0	0		
RAPID CITY	89	60	100	56	74	1	0.1	0.1	0.1	1.4	26	5.6	47	85	31	0	0	0	2	0		
SIoux FALLS	83	61	91	49	72	-2	1.1	0.5	1.1	8.8	134	15.2	102	91	50	0	0	0	1	1		
TX CHATTANOOGA	84	67	86	64	76	-3	1.0	0.1	0.6	20.2	221	54.0	161	97	63	0	0	0	5	4		
KNOXVILLE	84	66	86	61	75	-2	1.5	0.5	0.5	13.4	243	52.0	171	98	65	0	0	0	4	0		
MEMPHIS	86	68	91	63	77	-5	0.7	0.1	0.7	9.9	123	33.7	105	88	48	0	0	0	1	1		
NASHVILLE	85	66	88	61	75	-4	1.4	0.6	1.1	14.1	171	41.7	140	92	51	0	0	0	3	1		
TX ARLINGE	94	70	98	67	82	-3	0.0	0.0	0.0	0.6	11	15.0	108	81	30	0	0	0	0	0		
AMARILLO	85	63	91	61	74	-4	1.0	0.3	0.7	7.2	104	12.1	97	90	44	0	0	0	3	1		
ADSTIN	97	71	99	69	84	-1	0.0	0.0	0.0	1.0	16	11.6	61	87	36	0	0	0	0	0		
BEADSWT	90	72	94	69	81	-2	0.1	1.1	1.1	14.6	122	40.8	125	99	58	0	0	0	1	0		
BROWNSVILLE	89	73	93	69	81	-3	2.3	1.9	1.4	5.8	115	12.0	95	94	58	0	0	0	2	2		
CORPUS CHRISTI	90	73	93	69	82	-3	0.5	0.1	0.2	4.2	68	15.9	100	92	52	0	0	0	4	0		
DEL RIO	95	72	97	71	84	0	0.0	0.0	0.0	5.1	99	14.7	103	87	43	0	0	0	0	0		
EL PASO	99	73	102	72	86	5	0.0	0.0	0.0	0.9	35	3.0	71	54	21	0	0	0	2	0		
FORT WORTH	94	72	99	67	83	-1	0.0	0.0	0.0	6.0	103	20.6	93	93	44	0	0	0	0	0		
GALVESTON	88	77	91	74	82	-2	0.8	0.1	0.4	5.7	63	14.9	65	89	61	0	0	0	4	0		
HOUSTON	92	71	95	68	81	-2	2.8	2.0	2.7	7.9	70	22.3	73	97	55	0	0	0	3	1		
LUBBOCK	89	66	98	64	78	-2	0.0	0.0	0.0	2.6	47	10.4	96	87	37	0	0	0	2	0		
MIDLAND	93	67	97	65	80	-3	0.0	0.0	0.0	3.4	103	5.8	75	84	31	0	0	0	0	0		
SAN ANGELO	96	69	98	64	82	-1	0.0	0.0	0.0	1.3	35	7.6	68	84	30	0	0	0	0	0		
SAN ANTONIO	96	73	98	70	85	-1	0.0	0.0	0.0	2.2	34	18.7	103	84	35	0	0	0	1	0		
VICTORIA	91	72	94	69	81	-2	3.4	2.6	2.1	8.8	94	22.4	89	93	48	0	0	0	4	2		
WACO	96	71	98	68	83	-3	0.2	0.1	0.2	2.5	45	18.9	97	86	35	0	0	0	1	0		
WICHITA FALLS	95	68	98	63	82	-3	0.0	0.0	0.0	0.2	4	6.4	34	88	31	0	0	0	0	0		
UT CEDAR CITY	96	61	98	52	79	4	0.0	0.0	0.0	0.1	7	4.0	60	40	13	0	0	0	0	0		
SALT LAKE CITY	100	69	106	63	85	7	0.0	0.0	0.0	0.1	3	7.8	77	69	21	0	0	0	0	0		
VT BURLINGTON	80	59	87	45	70	0	1.4	0.5	0.8	10.3	131	24.6	127	94	57	0	0	0	3	1		
VA NORFOLK	87	72	93	64	79	1	4.5	3.4	2.0	18.2	184	40.3	146	92	61	0	0	0	6	3		
RICHMOND	87	68	92	57	77	-1	0.7	0.4	0.5	9.7	101	30.3	115	93	41	0	0	0	3	0		
ROANOKE	84	65	87	57	74	-2	0.4	0.5	0.3	9.5	120	32.3	133	93	56	0	0	0	3	0		
WA QUILLAYOTH	71	54	75	48	62	3	0.1	0.4	0.1	5.8	95	55.1	96	97	61	0	0	0	2	0		
SEATTLE-TACOMA	79	58	84	54	68	2	0.0	0.2	0.0	1.5	62	15.4	79	88	38	0	0	0	0	0		
SPOKANE	91	59	98	53	75	5	0.0	0.0	0.0	0.9	44	6.2	64	78	18	0	0	0	1	0		
YAKIMA	94	58	99	49	76	5	0.0	0.0	0.0	0.6	85	4.2	97	78	23	0	0	0	0	0		
WV BECKLEY	77	60	82	53	68	-2	1.3	0.4	0.6	13.3	144	37.7	146	95	64	0	0	0	3	1		
CHARLESTON	82	62	90	52	72	-3	1.3	0.3	0.6	9.5	100	36.9	140	96	56	0	0	0	3	2		
HUNTINGTON	82	63	88	52	72	-2	2.7	1.6	1.2	9.1	97	34.4	128	95	56	0	0	0	5	3		
PARRISBURG	81	61	85	49	71	-4	1.6	0.6	0.8	11.7	129	36.3	138	100	58	0	0	0	3	2		
WI GREEN BAY	77	55	85	46	66	-3	0.3	0.4	0.2	10.0	140	21.3	128	93	54	0	0	0	2	0		
LACROSSE	79	59	85	47	69	-4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	94	48	0	0	0	0	0		
MADISON	80	56	86	45	68	-3	1.3	0.5	1.3	11.1	132	19.6	102	90	53	0	0	0	2	1		
MILWAUKEE	79	60	80	52	69	-2	1.7	0.9	0.8	7.2	97	17.2	88	90	56	0	0	0	3	2		
WAUSAU	75	55	80	44	65	-4	1.1	0.0	1.0	6.7	77	13.0	73	86	51	0	0	0	2	1		
WY CASPER	91	59	99	51	75	4	0.0	0.0	0.0	0.0	105	5.9	101	89	38	0	0	0	0	0		
CHEYENNE	82	56	93	55	69	0	1.1	0.6	0.7	4.6	101	10.2	101	89	38	0	0	0	0	0		
LANDER	88	59	94	56	74	2	0.6	0.2	0.2	0.7	31	5.1	57	72	24	0	0	0	0	0		
SHERIDAN	91	59	94	53	75	4	0.0	0.0	0.0	3.4	103	9.5	97	78	27	0	0	0	0	0		

Based on 1961-90 normals.

## July Weather and Crop Summary

**WEATHER:** Despite the almost daily presence of an impressive ridge of high pressure across the West, Corn Belt crops progressed through early stages of reproduction immune to the heat wave in progress a thousand miles to the west. A ridge (the western edge of the "Bermuda High") also dominated the East, delivering heat to the Northeast, and copious tropical moisture, including the flood-producing remnants of Tropical Storm Alberto, to the Southeast. While temperatures in the Northwest and New England averaged up to 5°F above normal, readings in the central Plains and western Corn Belt ranged up to 5°F below normal.

Corn Belt maximum temperatures were optimal, mostly in the 80's, occasionally edging into the lower- to middle-90's. Rainfall across the Corn Belt was similarly favorable, except for spotty wetness in the north and west (eastern North Dakota southward into eastern Nebraska, and eastward into Lower Michigan), and a slowly expanding area of dryness in the southwest (eastern Missouri to west-central Indiana). Farther south, wetness plagued parts of Alabama, Georgia, and Florida. Record flooding devastated Georgia's Flint and Ocmulgee River basins several days after Tropical Storm Alberto made landfall on July 3. A July-record 18.16 inches of rain deluged Macon, GA, three-fourths of which fell on July 3-7. Atlanta, GA endured an all-time monthly record 17.71 inches. Monthly rainfall totaled 22.18 inches in Dothan, AL and 24.79 inches in Plains, GA. Even after Alberto's remnant circulation dissipated, humid, showery weather plagued the Southeast for the duration of the month. Atlanta reported 22 cloudy days during July (normal is 12), and a trace or more of rain on 26 of the 31 days.

Wet conditions stretched westward to the Mississippi Delta, then northwestward into the central Plains. Tulsa noted its wettest July on record, with 11.39 inches. Wetness also extended along the east coast, except for southern Florida, the Carolinas, and coastal New England. Record July wetness was observed as far north as Norfolk, VA (14.37 inches) and Philadelphia, PA (10.42 inches). Philadelphia also registered its warmest July, 5.4°F above normal. With an average temperature of 78.5°F, it was the hottest month on record in Bridgeport, CT. Boston, MA tallied its greatest number of 90-degree days (15) during any month. Record heat also enveloped the Northwest, where Medford, OR logged its hottest July. With the heat exacerbating the effects of a sub-par 1993-94 wet season, the Northwest's wildfire situation turned explosive during July, in contrast to the summer of 1993, which was the coolest, third wettest on record. Through July, western wildfires burned more than 2 million acres, compared to about 1.3 million acres during all of 1993.

In the Southwest and southern High Plains, heat eased slightly from the record-setting levels of late June, but temperatures continued to average above normal. Records were set as far east as San Antonio, TX, which logged a July-record 12 consecutive days (July 16-27) of 100-degree heat. El Paso, TX saw a 23-day string of 100-degree highs finally end on July 16. Late in the month, an unusually strong summer cold front pressed southward through the Plains. On July 27, temperatures dipped into the 40's throughout the Dakotas and Nebraska. A day later, Amarillo, TX noted 55°F.

**FIELDWORK:** The cool weather in the Central States slowed the rate of crop development compared to the pace of this year's spring planting. The early spring planting set the row crops far enough ahead of schedule so that the lull in crop development in July still left the Nation's row crops ahead of the average. The lack of rainfall combined with hotter-than-normal weather in the Western States rapidly matured the small grains. July started with corn silking and sorghum heading just beginning. By the end of the month, cotton squaring was complete while corn doughing and rice heading were starting. July began with torrential rains from Tropical Storm Alberto, which caused flooding and interrupted field activities from the Florida Panhandle to Georgia. A storm system originated over the Dakotas and passed through the Great Lakes region, slowing the wheat harvest. Later in the month, continued rain and hot weather in the Deep South increased disease problems and delayed harvest activity. In the Corn Belt, cool weather improved corn and soybean conditions, but many States continued to report short soil moisture supplies. In the central Plains, the winter wheat harvest was slowed by scattered rain storms, but was over half complete for the Nation.

The Southwestern and Pacific Coastal region had continued hot, dry weather, increasing producers' concern for dryland crops. By mid-July, the eastern Corn Belt received much-needed moisture during the crucial corn pollinating period, where corn silking was half over. The rest of the Corn Belt received spotty showers that left some areas dry, while soybeans were just beginning to set pods. By the end of July, the sorghum crop's development was slowed slightly by cooler-than-normal weather in the Central States. Some relief was brought to the crops stressed by the hot, dry weather in the South Central United States by lower-than-normal temperatures and scattered showers. In the Southeast, continued rain saturated fields, and the hot, wet weather increased weed and insect problems. Hot, dry weather continued over the Pacific Northwest, depleting soil moisture supplies and drying non-irrigated ranges and pastures. The Nation's row crops began the month of July ahead of the 5-year average and, by month's end, had remained ahead of the average for the month.

July began with the slowing of winter wheat harvest in the northern Great Plains and Great Lakes region due to rains. By mid-month, scattered rains in parts of the Great Plains caused the winter wheat harvest to stall. The winter wheat harvest was finishing in the Northern States by month's end ahead of the average where the continued dry weather accelerated crop maturity.

Spring wheat heading continued slightly ahead of the average for July. Spring wheat harvest began behind the average for July and remained there. The condition for spring wheat at month's end was down from the beginning of the month when 72% of the spring wheat crop rated good to excellent, but dropped to 59% rated good to excellent by the end of July.

Corn silking was slowed by the cool weather in the Central States at the end of July but finished the month ahead of the average. The month began with the average corn height ranging from 37 inches for South Dakota to 78 inches for Indiana by month's end. Later in the month, favorable weather and scattered rains in the Corn Belt improved the corn condition. By mid-month, aerial spraying for corn borers in the middle Mississippi Valley decreased as the spraying was effective and brought the insects under control.

Cotton development remained ahead of the average throughout the month but slowed slightly by month's end. The month began with heavy rains in the Southeastern States that washed out some cotton fields. Dry weather in the Southwestern States and blowing sands damaged some young cotton plants. By mid-month, the Southeastern States reported surplus soil moisture from the excessive rains and fell behind the average for cotton setting bolls. Boll weevil pressure was reported to increase in some fields in the Texas plains, while cotton farmers in Arizona reported some irrigation water shortages. By mid-month, the Delta region needed drier weather to improve cotton growth, while both California and Texas continued to irrigate and treat for boll worms. At the end of July, California cotton producers treated for aphids, lygus, mites, bollworm, and whitefly, while cotton producers in central Texas began defoliation activities.

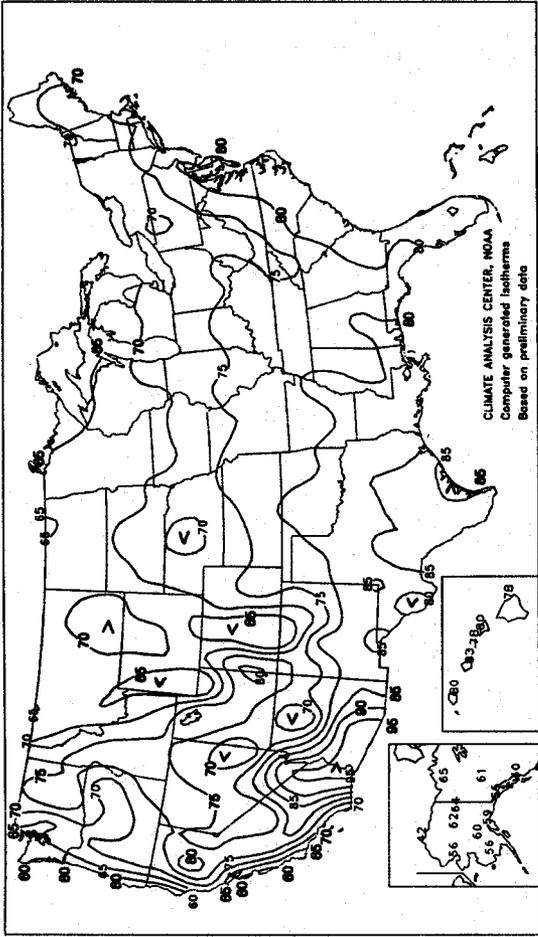
Progress of sorghum headed remained ahead of the average throughout the month. Early in the month, lodging in the Texas Blacklands slowed the harvest. Later in the month, some fields in the southern Great Plains showed signs of heat stress. By mid-month, sorghum turning color started slightly ahead of the average and remained ahead of the average at month's end.

Rice headed began in July ahead of the average and was half completed by month's end. Sheath blight and blast were reported in Arkansas and Louisiana early in the month. By month's end, the rice harvest was just beginning and was 7 points ahead of the average.

The average height of soybeans ranged from 14 inches for North Dakota at the start of July to 26 inches in Indiana by the end of the month. Planting of double-crop soybeans was nearing completion at the beginning of the month. Soybeans began the month slightly ahead of the average and maintained this lead through the month. By mid-month, soybeans setting pods were 10 points ahead of the average and doubled this spread by month's end. Spraying for soybean stink bugs and aerial blight problems were reported in the Delta region. Weed growth presented a problem in some soybean fields where pods were forming in the Great Lakes region at month's end.

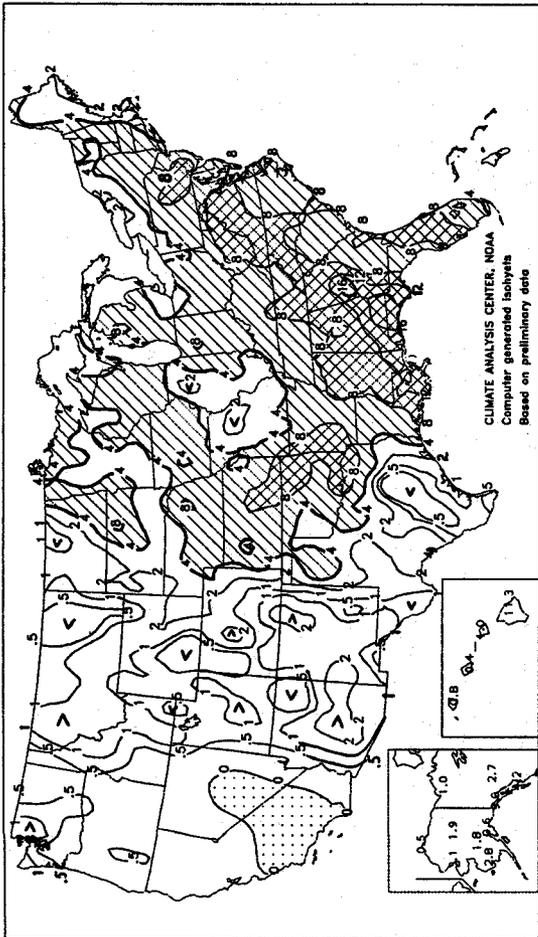
AVERAGE TEMPERATURE(°F)

JUL 1994



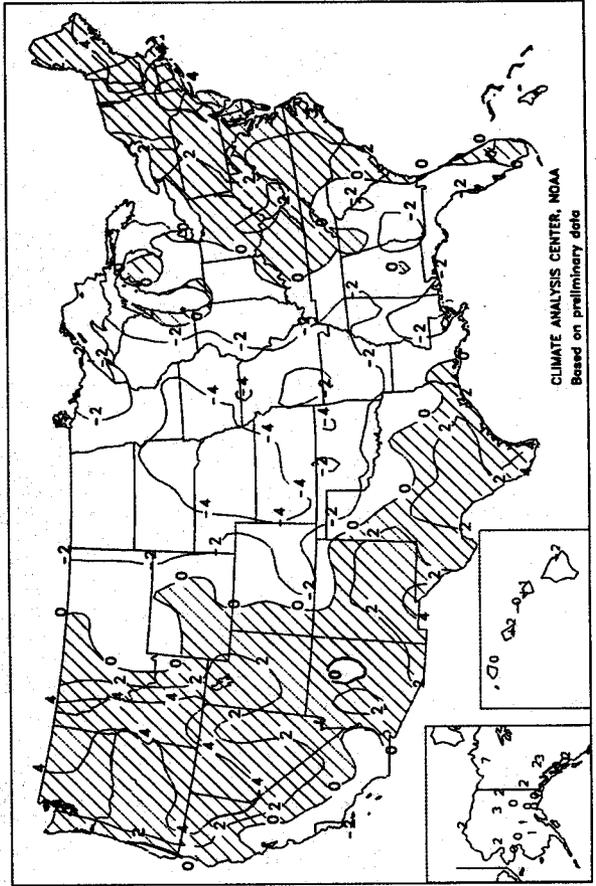
TOTAL PRECIPITATION (inches)

JUL 1994



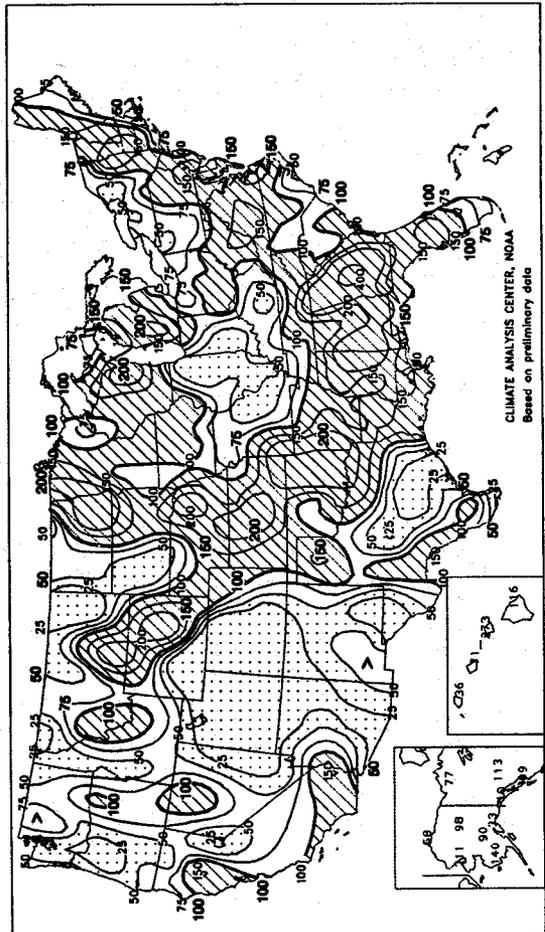
Departure of Average Temperature from Normal(°F)

JUL 1994



PERCENT OF NORMAL PRECIPITATION

JUL 1994



# TEMPERATURE AND PRECIPITATION SUMMARY July 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	7.8	2.5	LA BATON ROUGE	80	-2	10.1	3.4	MO YOUNGSTOWN	72	2	2.5	-1.6
AL HUNTSVILLE	78	-1	3.9	-0.9	LA LAKE CHARLES	83	1	6.8	1.6	MO OKLAHOMA CITY	80	-2	2.2	-0.4
AL MOBILE	80	-2	10.7	3.9	LA NEW ORLEANS	81	-1	9.0	2.8	MO TULSA	79	-4	11.4	8.3
AK NORTHCORNER	80	0	8.5	2.9	ME SHERBROOK	82	-1	6.4	2.8	OR ASTORIA	60	0	0.8	-0.3
AK ANCHORAGE	59	1	0.6	-1.2	ME CARIBOU	68	3	4.6	0.6	OR BURNS	70	4	T	-0.4
AK BARRON	42	3	0.5	-0.4	ME PORTLAND	72	4	1.7	-1.4	OR MEDFORD	76	4	0.3	0.0
AK FAIRBANKS	65	2	1.1	-0.8	ME BALTIMORE	80	3	4.5	0.8	OR PENDLETON	75	2	0.4	0.0
AK JUNEAU	57	1	2.7	-1.5	ME SALISBURY	81	4	3.3	-1.0	OR PORTLAND	71	3	0.1	-0.6
AK KODIAK	53	-1	7.4	3.7	MA BOSTON	78	4	1.8	-1.0	OR SALEM	69	3	T	-0.6
AK NOME	51	0	2.3	0.1	MA CHESTER	71	3	0.7	-2.5	PA ALLENTOWN	78	3	5.6	1.4
AK FLAGSTAFF	65	1	1.7	-1.1	MI ALPHEA	67	0	5.5	2.6	PA ERIE	73	2	1.1	-2.3
AK PHOENIX	94	0	0.3	-0.6	MI DETROIT	74	2	3.2	0.0	PA HARRISBURG	79	3	8.4	4.7
AK PRESCOTT	77	4	1.7	-1.5	MI FLINT	71	0	2.8	0.1	PA PHILADELPHIA	82	7	10.4	5.7
AK TUCSON	90	4	0.4	-2.0	MI GRAND RAPIDS	71	-1	8.1	4.9	PA PITTSBURGH	74	2	3.3	-0.5
AK WENDELL	98	0	0.1	-1.1	MI SPOKTON LAKE	68	1	5.3	2.8	PA SCRANTON	74	2	3.2	-0.6
AK YUMA	76	3	T	-0.3	MI LANSING	70	-1	3.9	1.3	PA WILLIAMSPORT	75	3	5.4	1.5
AR FORT SMITH	80	-1	10.4	7.4	MI MARQUETTE	64	-1	1.5	-1.4	RI PROVIDENCE	76	3	1.3	-1.9
AR LITTLE ROCK	79	-2	6.1	2.9	MI MUSKEGON	70	-1	2.5	0.4	SC CHARLESTON	82	0	8.1	1.2
CA BAKERSFIELD	85	1	T	0.0	MS SAULT ST. MARIE	63	-1	3.9	1.2	SC COLUMBIA	81	0	3.7	-1.8
CA BISHOP	79	2	T	0.0	MS ALEXANDRIA	68	-3	2.4	-0.7	SC FLORENCE	82	1	3.5	-2.0
CA EUREKA	57	0	0.1	0.0	MS DULUTH	65	-2	2.2	-1.4	SC GREENVILLE	77	-1	6.6	1.9
CA FRESNO	83	1	T	0.0	MS INT'L FALLS	65	-2	4.0	0.4	SD ABERDEEN	69	-3	5.4	2.2
CA LOS ANGELES	68	-1	T	0.0	MS MINNEAPOLIS	70	-3	4.1	0.6	SD HURON	69	-5	3.0	0.3
CA REDDING	84	3	0.0	-0.2	MS ROCHESTER	67	-4	4.8	0.6	SD RAPID CITY	71	-1	0.6	-1.4
CA SACRAMENTO	74	-2	T	0.0	MS ST. CLOUD	68	-2	4.1	1.0	SD SIOUX FALLS	71	-4	1.7	-1.0
CA SAN DIEGO	69	-1	T	0.0	MS GREENWOOD	80	-1	7.7	3.5	TN BRISTOL	75	1	5.0	0.6
CA SAN FRANCISCO	62	-1	T	0.0	MS JACKSON	79	-2	5.1	1.1	TN CHATTANOOGA	78	-1	11.9	7.1
CA SANTA MARIA	62	-1	T	0.0	MS MERIDIAN	80	-1	10.6	5.5	TN KNOXVILLE	77	0	5.9	1.3
CO ALAMOSA	63	-2	T	-1.2	MS TUPELO	78	-3	6.5	2.2	TN MEMPHIS	81	-1	4.1	0.4
CO CO. SPRINGS	70	-1	1.3	-1.6	MO CAPE GIRARDEAU	79	0	1.0	-2.5	TN NASHVILLE	78	-1	4.8	0.8
CO DENVER	74	0	0.5	-1.4	MO COLUMBIA	75	-2	1.5	-2.2	TN ABILENE	84	0	0.6	-1.5
CO GRAND JUNCTION	81	2	T	-0.7	MO KANSAS CITY	76	-3	2.8	-1.6	TN AMARILLO	77	-1	5.0	2.4
CO FORT COCKER	74	-3	0.1	-2.0	MO SAINT LOUIS	80	0	1.4	-2.4	TN AUSTIN	87	3	0.3	-1.8
CT BRIDGEPORT	78	5	1.8	-2.0	MO SPRINGFIELD	77	-1	4.5	1.6	TN BRADFORD	83	1	6.1	0.7
CT HARTFORD	77	3	5.3	2.1	MT BILLINGS	72	0	2.0	1.1	TN BROWNVILLE	86	1	0.1	-1.8
DC WASHINGTON	82	2	3.6	-0.2	MT GLASGOW	70	-1	0.4	-1.4	TN CORPUS CHRISTI	84	0	0.5	-1.9
FL PANAMA CITY	80	-1	6.1	-3.0	MT GREAT FALLS	69	1	0.7	-0.5	TN DEL RIO	87	3	5.1	3.2
FL DAYTONA BEACH	80	-1	6.9	1.5	MT HAVRE	70	0	0.6	-0.8	TN EL PASO	88	6	0.2	-1.4
FL FT. MYERS	82	-1	7.1	-1.1	MT HELLERS	69	0	0.7	-0.4	TN FORT WORTH	84	1	4.0	1.8
FL JACKSONVILLE	82	-1	8.3	2.4	MT KANSAS CITY	67	3	0.2	-1.0	TN GALVESTON	85	2	0.9	-3.1
FL KEY WEST	84	0	1.9	-1.7	MT MILWAUKEE	74	-1	0.6	-0.9	TN HOUSTON	85	3	1.6	-2.9
FL MIAMI	84	1	3.0	-2.7	MT MISSOULA	70	4	0.9	0.0	TN LAREDO	84	0	T	-
FL ORLANDO	82	-1	13.3	6.0	MT NEW YORK	71	-5	5.4	2.6	TN LUBBOCK	82	2	2.1	-0.3
FL TALLAHASSEE	80	-1	8.3	-0.5	MT LINCOLN	73	-5	4.2	1.0	TN MIDLAND	83	2	2.4	0.8
FL TAMPA	82	0	11.3	4.7	MT NORFOLK	72	-4	9.0	5.8	TN SAN ANGELO	86	3	0.2	-0.8
GA WEST PALM BEACH	82	-1	5.2	-0.8	MT NORTH PLATTE	71	-3	4.5	1.5	TN SAN ANTONIO	88	3	0.5	-1.7
GA ATHENS	78	-2	8.8	3.9	MT OMAHA	73	-4	4.4	0.9	TN VICTORIA	85	2	2.1	-2.1
GA ATLANTA	79	0	17.7	12.7	MT SCOTTSBLUFF	71	-3	2.6	0.5	TN WACO	86	0	0.3	-1.7
GA AUGUSTA	80	-1	3.4	-0.8	MT VALENTINE	70	-5	4.0	0.7	TX WICHITA FALLS	83	-1	0.2	-1.5
GA MACON	79	-2	18.2	13.9	MT WILD	69	-2	T	-	TX BLANDING	83	-1	0.8	-0.5
GA SAVANNAH	82	1	6.9	0.5	MT HLY	69	2	T	-0.6	TX CEDAR CITY	76	2	T	-1.1
HI HILO	78	2	11.7	2.0	MT LAS VEGAS	93	2	0.1	-0.2	TX SALT LAKE CITY	81	3	0.1	-0.8
HI HONOLULU	83	3	0.4	-0.2	MT RENO	77	5	0.1	-0.2	VT BURLINGTON	74	4	5.3	1.6
HI KAHULUI	80	1	1.0	0.7	MT WASHINGTON	76	4	0.4	0.1	VA LYNCHBURG	77	1	7.1	2.9
ID LIHUE	80	1	1.3	-0.8	MT COVINGTON	73	4	4.0	0.8	VA NORFOLK	83	5	14.4	9.3
ID BOISE	77	3	0.1	-0.2	MT ATLANTIC CITY	78	3	4.1	0.3	VA RICHMOND	81	3	7.4	2.3
ID LEWISTON	78	4	0.5	-0.1	MT ALBUQUERQUE	81	3	0.6	-0.8	VA ROANOKE	78	2	7.1	3.2
IL POCATELLO	71	0	0.6	0.0	MT CLOVIS	80	3	2.5	0.0	VA COLVILLE	74	-	0.2	-0.6
IL CHICAGO	73	0	1.6	-2.0	MT HOWELL	84	3	T	-1.7	VA QUILLAPUTE	59	1	1.7	-0.9
IL MOLINE	73	-2	5.7	0.7	MT ALBANY	74	2	4.2	1.1	VA SEATTLE-TACOMA	68	3	0.3	-0.5
IL PEORIA	75	-1	1.4	-2.8	MT BINGHAMTON	71	2	4.8	1.3	VA SPOKANE	73	4	T	-0.7
IL QUINCY	74	-3	1.8	-2.8	MT BUFFALO	73	2	2.1	-1.0	VA WALLA WALLA	80	5	0.5	-0.1
IL ROCKFORD	71	-2	2.8	-1.3	MT NEW YORK	81	4	4.4	0.4	VA YAKIMA	74	4	0.1	-0.1
IL SPRINGFIELD	75	-1	1.9	-1.6	MT ROCHESTER	74	3	0.6	-2.1	WV BECKLEY	71	2	8.4	3.7
IN EVANSVILLE	79	0	2.3	-2.2	MT STRACUSE	73	2	2.6	-1.2	WV CHARLESTON	76	1	3.7	-1.3
IN FORT WAYNE	73	-1	3.3	-0.2	NC ASHVILLE	73	0	6.8	2.0	WV ELKINS	71	3	6.0	1.4
IN INDIANAPOLIS	76	0	1.3	-3.2	NC CHARLOTTE	80	1	2.6	-1.3	WV HUNTINGTON	77	3	4.5	-0.6
IN SOUTH BEND	73	0	5.0	1.2	NC GREENSBORO	78	1	4.5	0.0	WV PARKERSBURG	74	0	7.0	2.5
IA DES MOINES	73	-2	4.3	0.4	NC HATTERAS	81	3	3.9	-1.0	WI GREEN BAY	70	0	7.0	3.9
IA DUBUQUE	70	-2	6.7	2.7	NC NEW BERN	82	3	3.1	-4.0	WI LACROSSE	71	-3	6.3	2.5
IA SIOUX CITY	71	-5	4.5	1.3	NC RALEIGH	80	2	4.7	0.7	WI MADISON	71	-1	4.1	0.2
IA WATERLOO	71	-2	6.1	1.3	NC WILMINGTON	82	2	4.8	-2.2	WI MILWAUKEE	74	3	2.5	-1.0
KS CONCORDIA	74	-5	3.2	-0.4	ND BISMARCK	67	-3	1.8	-0.4	WI WAUSAU	68	-2	5.2	1.3
KS DODGE CITY	77	-3	4.6	1.4	ND FARGO	68	-3	5.8	3.1	WY CASPER	71	1	2.7	1.4
KS GOODLAND	72	-3	3.0	0.1	ND GRAND FORKS	67	-2	4.6	1.9	WY CHEYENNE	68	0	2.1	0.0
KS TOPEKA	76	-2	3.2	-0.4	ND WILLISTON	68	-3	0.3	-1.8	WY LANDER	71	1	0.1	-0.7
KS WICHITA	77	-3	5.9	2.3	OH AERON-CANTON	73	1	3.0	-1.0	WY SHERIDAN	70	0	1.6	0.7
KY BOWLING GREEN	77	-1	3.4	-1.3	OH CINCINNATI	75	0	5.6	1.4	PR SAN JUAN	83	0	3.5	-0.9
KY JACKSON	75	1	3.7	-1.4	OH CLEVELAND	73	1	2.5	-1.1					
KY LEXINGTON	77	1	2.3	-2.7	OH COLUMBUS	75	2	6.0	2.2					
KY LOUISVILLE	79	2	2.5	-2.0	OH DAYTON	75	1	4.5	1.0					
KY PADUCAH	78	-1	2.4	-1.8	OH MANSFIELD	72	0	3.7	-0.1					
					OH TOLEDO	73	0	2.1	-1.1					

Based on 1961-90 normals.

## National Agricultural Summary

August 1 - 7, 1994

**HIGHLIGHTS:** Much-needed rain fell in the southwestern Corn Belt and filled many dry pockets that missed last week's rain. The rain in the Midwest helped ease soil moisture shortages, and the cool weather lowered the amount of moisture demanded by the crops. Producers, however, remained apprehensive during the crucial grain- and pod-filling stage. The cool weather slightly restrained the development of row crops, but the progress of all fall crops remained ahead of the 5-year average. The hot, dry weather pushed the winter wheat harvest in the Northern States. The continued hot, dry weather in the Western States and persistent short soil moisture supplies has raised producer's concerns for irrigation water availability. In the Southeastern States, the soil moisture supplies were surplus for most States. Continued rain saturated fields and hampered the hay harvest. Weed and insect problems in the Southeast continued as the hot, wet weather lingered and hindered field activities. Arizona reported the first cotton baled in Yuma County.

**SMALL GRAINS:** Winter wheat harvested was 94 percent(%) complete, up 5 percentage points from last week and 4 points ahead of the 5-year average. The wheat maturity was pushed by the continued hot, dry weather and allowed the harvest in Montana to advance 40 points from last week. The wheat harvest in Idaho was 19 points ahead of the average, while Montana was 36 points ahead of the average.

Spring wheat harvested was 17% complete, up 10 points from last week but 3 points behind the average. The favorable weather allowed South Dakota to push the spring wheat harvest by 33 points for the week. The condition for spring wheat was mostly good, slightly changed from last week, with 58% of the spring wheat crop rated good to excellent.

**FIELD CROPS:** Corn condition was mostly good, virtually unchanged from last week, with 84% of the corn rated as good to excellent. Corn condition declined in Illinois and Indiana from last week amid reports of continued soil moisture shortages during the grain filling stage of development. Corn in the dough stage for the 17 major producing States was 41%, up 18 points from last week and 12 points ahead of the average. Indiana increased corn doughing by 25 points from last week, while Iowa's corn in dough stage was 19 points ahead of the average.

Cotton condition was down for the second week in the 14 major producing States, with 60% of the cotton crop rated as good to excellent, compared to 72%, 2 weeks ago. Most of the decline in the cotton condition was from New Mexico and Texas. Cotton setting bolls was 87% complete, up 10 points from last week and ahead of the average by 7 points. Texas cotton setting bolls was 76% complete, up from last week by 16 points. Bolls opening was 7% complete, 1 point ahead of the average. Cotton producers in Texas treated for boll weevils and continued defoliation activities in central Texas and the Blacklands. California cotton producers continued to treat for aphids, lygus, mites, bollworm, and whitefly. The Texas Plains reported that most irrigated fields made good progress, but some dry-land stopped growing due to lack of moisture.

Sorghum condition in the 12 States was down from last week with 69% of the sorghum reported as good to excellent. Sorghum condition improved in New Mexico but fell in Texas from last week. Sorghum headed was 77% for the week, 13 points ahead of last week and 24 points ahead of the average. Sorghum headed was up 21 points in Nebraska from the previous week, and 54 points ahead of the average. Sorghum turning color at 29% was 5 points ahead of last week and 3 points ahead of the average for the 12 major producing States.

Rice condition was mostly good, up slightly from last week. Rice headed was 68%, up 17 points from last week and 19 points ahead of the average. Arkansas reported rice headed at 73%, 23 points ahead of last week and 35 points ahead of the average. Mississippi reported rice headed at 80%, up 20 points from last week and 22 points ahead of the average. Rice harvested was 2 points ahead of the average for the five major producing States, at 8% completed, up 3 points from last week. Louisiana and Texas both reported rice harvested was 25% complete, 5 points ahead of the average.

Soybean condition was mostly good, unchanged from last week, with 79% of the soybean crop rated as good to excellent. Soybeans blooming were 90% complete, 7 points over last week and 12 points ahead of the average. Soybeans blooming in Missouri increased by 13 points from last week and was 17 points ahead of the average. Soybeans setting pods were reported at 67% for the 19 major producing States, 23 points ahead of last week and 21 points ahead of the average. Missouri increased 13 points from last week for setting pods, while Iowa and Indiana were above the average by 31 and 26 points, respectively.

(Continued from front cover)

inches) and Panama City, FL (1.59 inches). By Tuesday, record heat returned to the Southwest, where Tucson, AZ set its first of five consecutive daily records with 109°F. Two days later, Salt Lake City, UT reached 106°F to set an August record by 2°F. St. George, UT registered 111°F. Farther north, a storm center in the eastern Pacific pushed extreme heat out of the Pacific Northwest and into the Intermountain West and the High Plains. Richland, WA recorded a high of 106°F on Tuesday, but cooled to 89°F on Saturday. Farther east, highs on Thursday reached 102°F to set daily records in Pocatello, ID and Grand Junction, CO. At week's end, highs reached 100°F as far east as Rapid City, SD and Childress, TX. Also on Saturday, Death Valley, CA attained 126°F, only 1°F shy of the Nation's August record set in 1933 at Greenland Ranch, CA. In contrast, a strong cold front penetrated the North-Central States at midweek, reaching the Gulf Coast States by week's end. More than 40 daily record lows were

established, primarily from the western Corn Belt to the Ohio Valley. On Friday, readings dropped to 41°F in Aberdeen, SD and Sheldon, IA. St. Cloud, MN measured 42°F. Highs reached only 68°F in Flint, MI and 71°F in Dayton, OH. A day later, Jackson, MI fell to 42°F. Bradford, PA plummeted to 33°F.

At midweek, pre-frontal rains, totaling 1 inch or more in many areas, ended a 2-week spell of generally dry weather across the Corn Belt. Selected totals included 1.82 inches in Sioux City, IA, 1.30 inches in Madison, WI, and 1.18 inches in Peoria, IL. However, dry pockets persisted in an area centered on northeastern Missouri and south-central Illinois, where only light rain fell during the week, and July rainfall was less than 50 percent of normal. Farther east, rainfall intensified as the front crossed the Appalachians. Weekly totals included 3.48 inches in Pittsburgh, PA and 2.65 inches in Huntington, WV.

**Crop Condition**

for the Week Ending August 7, 1994

**SORGHUM**

State	VP	P	F	G	EX
AR	0	0	12	75	13
CO	0	6	28	55	11
IL	0	7	30	60	3
KS	0	0	11	75	14
LA	0	1	39	60	0
MS	0	0	10	90	0
MO	0	5	38	53	4
NE	0	0	8	70	22
NM	0	19	43	36	2
OK	0	0	31	69	0
SD	0	0	23	72	5
TX	0	10	41	45	4
12 State	0	5	26	60	9
Prev Week	0	3	25	65	7
Prev Year	0	8	34	46	12

**CORN**

State	VP	P	F	G	EX
CO	0	3	17	61	19
GA	0	0	3	88	9
IL	0	4	20	55	21
IN	0	5	29	55	11
IA	0	0	0	56	44
KS	0	1	11	83	5
KY	0	1	16	66	17
MI	3	7	20	45	25
MN	2	1	21	62	14
MO	1	7	36	49	7
NE	0	1	5	74	20
NC	0	7	27	62	4
OH	1	5	22	55	17
PA	1	3	16	41	39
SD	0	0	11	64	25
TX	0	0	23	69	8
WI	0	0	1	34	65
17 State	0	2	14	59	25
Prev Week	1	2	12	56	29
Prev Year	3	15	30	43	9

**COTTON**

State	VP	P	F	G	EX
AL	0	7	26	67	0
AZ	0	0	5	80	15
AR	0	0	16	84	0
CA	0	0	0	85	15
GA	0	2	19	76	3
LA	0	0	22	68	10
MS	0	4	51	44	1
MO	0	0	18	82	0
NM	0	9	46	45	0
NC	0	0	5	83	12
OK	0	0	69	31	0
SC	0	0	9	91	0
TN	0	0	0	64	36
TX	0	14	49	25	12
14 State	0	7	33	50	10
Prev Week	0	3	30	58	9
Prev Year	0	5	38	50	7

**RICE**

State	VP	P	F	G	EX
AR	0	0	5	95	0
CA	0	0	5	90	5
LA	0	0	65	35	0
MS	0	0	22	77	7
TX	0	0	0	77	23
5 State	0	0	18	78	4
Prev Week	0	0	20	73	7
Prev Year	0	1	25	74	0

**SOYBEANS**

State	VP	P	F	G	EX
AL	0	4	19	65	12
AR	0	0	34	66	0
GA	0	0	9	86	5
IL	0	2	25	60	13
IN	0	3	30	62	5
IA	0	0	1	63	36
KS	0	0	5	77	18
KY	0	0	19	69	12
LA	0	7	27	66	0
MI	1	4	25	50	20
MN	1	2	10	68	19
MS	0	7	21	51	21
MO	0	5	40	50	5
NE	0	0	7	74	19
NC	0	0	12	81	7
OH	1	6	23	54	16
SC	0	0	34	66	0
SD	0	0	12	64	24
TN	0	0	4	84	12
19 State	0	2	19	63	16
Prev Week	0	1	19	63	17
Prev Year	3	13	39	40	5

**SPRING WHEAT**

State	VP	P	F	G	EX
ID	3	11	21	49	16
MN	4	13	47	36	0
MT	4	10	33	43	10
ND	1	6	26	57	10
SD	1	2	46	48	3
5 State	2	7	33	50	8
Prev Week	1	7	33	49	10
Prev Year	1	3	26	57	13

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

**Crop Progress**

for the Week Ending Aug. 7, 1994

**SPRING WHEAT HARVESTED**

	Current	Last Wk	1993	Avg.
ID	19	6	1	12
MN	21	6	3	25
MT	5	0	0	3
ND	8	3	0	18
SD	67	34	12	44
5 States	17	7	2	20

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

**GRAIN SORGHUM HEADED**

	Current	Last Wk	1993	Avg.
AR	91	86	65	73
CO	48	18	38	20
IL	73	54	56	57
KS	65	50	25	30
LA	98	91	91	87
MS	99	91	74	83
MO	79	64	53	62
NE	94	73	18	40
NM	22	18	49	52
OK	65	55	42	43
SD	56	37	8	29
TX	87	80	79	79
12 States	77	64	47	53

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

**GRAIN SORGHUM COLORING**

	Current	Last Wk	1993	Avg.
AR	51	37	18	25
CO	0	0	0	0
IL	15	7	3	10
KS	5	0	1	3
LA	64	44	37	52
MS	55	50	37	46
MO	23	9	6	15
NE	1	1	0	2
NM	0	0	0	0
OK	19	8	8	14
SD	5	1	0	2
TX	69	65	66	65
12 States	29	24	24	26

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

**RICE HEADED**

	Current	Last Wk	1993	Avg.
AR	73	50	31	38
CA	10	1	15	15
LA	82	71	72	77
MS	80	60	42	58
TX	96	89	72	87
5 States	68	51	42	49

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

**COTTON SETTING BOLLS**

	Current	Last Wk	1993	Avg.
AL	86	74	84	91
AZ	100	98	100	99
AR	93	90	90	95
CA	95	90	90	95
GA	99	92	100	97
LA	99	98	93	92
MS	100	95	90	91
MO	97	91	99	97
NM	90	87	96	93
NC	86	82	87	81
OK	84	66	84	55
SC	80	69	90	88
TN	99	93	99	92
TX	76	60	73	65
14 States	87	77	84	80

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

**CORN DOUGHING**

	Current	Last Wk	1993	Avg.
CO	15	8	11	11
GA	100	99	99	99
IL	53	38	31	51
IN	43	18	25	37
IA	31	12	0	12
KS	60	40	35	50
KY	55	20	58	50
MI	15	10	0	3
MN	9	0	0	6
MO	69	49	34	56
NE	66	28	12	26
NC	86	79	78	80
OH	35	16	23	31
PA	4	2	9	10
SD	23	9	1	14
TX	80	68	80	82
WI	17	7	2	12
17 States	41	23	18	29

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

**RICE HARVESTED**

	Current	Last Wk	1993	Avg.
AR	0	0	0	0
CA	0	0	0	0
LA	25	14	14	20
MS	0	0	0	0
TX	25	18	7	20
5 States	8	5	3	6

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

**COTTON BOLLS OPENING**

	Current	Last Wk	1993	Avg.
AL	1	NA	3	2
AZ	29	NA	28	27
AR	0	NA	0	0
CA	2	NA	3	2
GA	1	NA	3	2
LA	1	NA	2	2
MS	1	NA	1	1
MO	0	NA	0	0
NM	0	NA	0	0
NC	0	NA	0	0
OK	1	NA	0	0
SC	1	NA	1	0
TN	0	NA	0	1
TX	14	NA	11	12
14 States	7	NA	6	6

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

**WINTER WHEAT HARVESTED**

	Current	Last Wk	1993	Avg.
AR	100	100	100	100
CA	99	99	99	99
CO	99	99	94	93
GA	100	100	100	100
ID	46	27	6	24
IL	99	99	99	99
IN	100	100	100	97
KS	100	100	96	100
MI	95	80	95	95
MO	100	100	100	100
MT	49	9	0	13
NE	100	100	85	95
NC	100	100	100	100
OH	100	100	100	98
OK	100	100	100	100
OR	74	57	37	59
SD	99	95	63	82
TX	100	100	100	100
WA	78	60	66	83
19 States	94	89	85	90

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

**SOYBEANS BLOOMING**

	Current	Last Wk	1993	Avg.
AL	68	56	59	60
AR	68	54	44	46
GA	77	62	60	69
IL	94	87	85	89
IN	97	93	87	87
IA	100	98	74	88
KS	90	85	70	70
KY	76	60	67	67
LA	91	79	72	69
MI	80	60	85	75
MN	99	98	57	87
MS	86	80	58	62
MO	87	74	68	70
NE	100	99	74	87
NC	54	41	48	45
OH	97	90	95	85
SC	48	36	54	50
SD	91	83	42	75
TN	69	50	67	57
19 States	90	83	72	78

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

**SOYBEANS SETTING PODS**

	Current	Last Wk	1993	Avg.
AL	40	31	34	32
AR	41	27	17	20
GA	45	37	28	36
IL	69	49	44	63
IN	71	30	42	45
IA	92	74	33	61
KS	60	35	35	40
KY	36	22	25	24
LA	65	48	46	43
MI	50	20	30	25
MN	89	50	19	51
MS	52	33	24	35
MO	50	37	33	39
NE	89	53	25	40
NC	30	14	18	21
OH	65	43	53	54
SC	18	12	24	20
SD	70	49	19	47
TN	30	18	27	24
19 States	67	44	33	46

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

## 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 none to 1.91 in. north; 0.08 to 2.42 in. central; 0.15 to 2.81 in. south. Temperatures 6° below normal to normal statewide. Lows 55 to 68° north; 59 to 69° central; 64 to 70° south. Highs 82 to 89° north; 84 to 96° central; 91 to 94° south.

Days suitable for fieldwork 4.1. Soil moisture 43% adequate, 57% surplus. Corn dented 82%, 74% 1993, 83% avg.; mature 35%, 39% 1993, 53% avg.; harvested 10%, 10% 1993, 19% avg.; 8% poor, 15% fair, 50% good, 27% excellent. Sorghum harvested 2%, 5% 1993, 5% avg.; 11% poor, 22% fair, 61% good, 6% excellent. Peanuts pegged 83%, 90% 1993, 97% avg.; 36% poor, 50% fair, 14% good. Pasture feed 7% fair, 60% good, 33% excellent. Livestock 5% fair, 85% good, 10% excellent. Seasonal activities: Planting, harvesting vegetables, scouting, spraying fields for insects, controlling weeds.

**ALASKA:** Dry weather stressed non-irrigated crops in most growing areas.

Days suitable for haying activities 6. First crop hay harvest was 95% complete. Extremely dry conditions are holding back development of 2nd crop hay. Barley was 95% turning color with 5% ripe, 10% 1993; 15% poor, 40% fair, 40% good, 5% excellent. Oats 70% turning color, 5% ripe, equal to last year's development. Commercial vegetable harvest continues. Topsoil 75% short, 25% adequate. Subsoil 65% short, 35% adequate.

**ARIZONA:** Temperatures 1 to 7° above normal. Extremes 49°; 102° higher elevations; 66°; 119° deserts. Precipitation reported at most stations we publish; trace to 0.51 in.

First cotton bale harvested in Yuma County, insect pressure mounting but being controlled. Condition continues mostly good; setting bolls 100%, 100% 1993, 99% avg. Weed infestations light; insect, disease infestations reported moderate. Alfalfa condition mostly good. Harvest mostly active. Weed, insect, disease infestations mostly light. Vegetables harvested from central areas included cabbage, carrots, green onions. Cantaloupe, honeydew, watermelon available central areas.

**ARKANSAS:** Temperatures well below normal with showers, thunderstorms, heaviest in south central, central areas. Extremes 55°; 95°. Precipitation 0.01 to 3.47 in.

Days suitable for fieldwork 6. Soil moisture 14% short, 82% adequate, 4% surplus. Crop development ahead of schedule. Hail damage to cotton in Lonoke, Jefferson county. Peaches, tomatoes, watermelons mostly good with harvest ongoing. Alfalfa 51% fair, 49% good. Other hay 5% very poor, 4% poor, 31% fair, 53% good, 7% excellent. Pasture feed 5% poor, 25% fair, 54% good, 16% excellent. Livestock good condition. Producers treating cattle for pinkeye.

**CALIFORNIA:** Upper level low pressure along coast brought below-normal temperatures to much of the State. Week's end high pressure began warming trend. Entire State remained dry except.

Open weather permitted good progress field activities. Small grain harvest began higher elevations. Elsewhere harvest complete. Straw baled wheat, barley stubble. Few late fields second crop corn planted. Rice good growth; progress nearly one week behind normal. Treatments weeds, watergrass applied some areas. Cotton grew rapidly, hot weather; San Joaquin Valley fields blooming, setting bolls. Bolls open desert areas, defoliation underway early planted fields. Irrigation, treatments aphids, lygus, pink bollworm, whitefly ongoing. Corn cut silage, sprayed mites. Dry beans treated insecticides. Garbanzo beans, safflower, seed alfalfa, over-wintered sugarbeets harvested. Alfalfa, sudangrass cut hay, greenchopped. Some alfalfa sprayed weevils, armyworms. Picking, packing summer fruit continued; table grapes, freestone, clingstone peaches, nectarines, plums, pears, Gala apples, grapefruit, Valencia oranges, south coast area lemons. Almond harvest began; western Fresno County. Sunburn damage reported; Tulare County; kiwifruit, apples, developing citrus. Black scale treatments; olives. Codling moth treatments; apples, walnuts. Ground preparation; strawberry plantings. Central Coast harvest broccoli, cabbage, cauliflower, celery seasonally normal. Fall broccoli, cauliflower crops progressing well Tulare County. Carrot harvest active Kern County. Head Lettuce harvest coastal areas continued. Leaf, Romaine Lettuce harvest active. Fields for fall lettuce plantings bedded up, treated herbicides. Harvest cantaloupe, honeydew, watermelons continued most areas state. Fresh market dry onions harvested Riverside County. Peas planted westside Merced County. Peppers not sizing because cool weather central coast. Fall Potatoes Tulelake-Butte Valley growing well few problems reported. Summer Potatoes San Joaquin County harvested. Winter Potatoes Riverside County planted. Sweet Corn picked San Joaquin, Coachella Valleys. Processing, fresh market tomato

harvests active Sacramento, San Joaquin Valleys. Other crops being harvested: garlic, squash, eggplant, cucumbers, green bean, tomatillos, various oriental vegetables. Rangeland feed poor supply, quality. Supplemental feeding many lower areas. Mountain areas drying, grasses becoming shorter due to hot weather. Water mostly adequate, few areas moving cattle due to short supplies. Cattle, sheep good condition.

**COLORADO:** Temperatures above normal. Heavy rain showers through the 2nd in the east. Severe thunderstorms dropped some hail, heavy rain again on the 4th mainly in the east. West remained mostly hot, dry.

Days suitable for fieldwork 6.0. Soil moisture 24% very short, 41% short, 34% adequate, 1% surplus. Alfalfa second cutting 77% complete, 67% 1993, 53% avg.; third cutting 6% complete, 4% 1993, 1% avg. Spring barley 69% turning color, 92% 1993, 88% avg.; 29% harvested, 41% 1993, 41% avg.; 2% very poor, 13% poor, 29% fair, 52% good, 4% excellent. Dry beans 87% flowered, 74% 1993, 62% avg.; 2% poor, 24% fair, 61% good, 13% excellent. Oats harvested 65%, 34% 1993, 43% avg. Dry onion 8% harvested, 2% 1993, 3% avg.; 4% poor, 20% fair, 63% good, 13% excellent. Sugarbeets 4% poor, 20% fair, 67% good, 9% excellent. Spring wheat 98% turning color, 68% 1993, 66% avg.; 57% harvested, 12% 1993, 20% avg. Summer potatoes 17% harvested, 21% 1993, 12% avg.; 1% poor, 19% fair, 68% good, 12% excellent. Fall potatoes 5% poor, 20% fair, 60% good, 15% excellent. Very few fields of winter wheat remain to be harvested on west slope. Scattered rain maintaining some range forage, hot weather continues to dry out soil as fast as it rains. Livestock fair to good. Pasture, range feed condition fair to very poor most areas.

**FLORIDA:** Temperatures within 2° of normal. Highs; low to mid 90s. Lows; upper 60s to mid 70s. Rain 2 to 6 days most locations. Rain totals varied from less than 1.00 in. to locally over 3.00 in.

Daily rains delaying, hampering fieldwork in field crop areas. Corn harvest underway. Weed control in cotton, peanuts difficult due to wet weather. Condition of cotton, peanut crops variable. Sunnier conditions also needed for sugarcane in Glades. Citrus groves good to excellent. Moisture adequate to surplus. Abundant new growth. Ideal growing conditions. New crop fruit progressing well. Caretakers cutting cover crops, herbiciding, removing dead trees, replanting young trees. Vegetable land preparation, laying of plastic continued north, central, east coast, started southwest. Growers planting sweet corn, tomatoes north, eggplant, peppers in coast area. Pasture feed 10% fair, 70% good, 20% excellent. Hay making slowed by frequent showers. Cattle herds good to excellent.

**GEORGIA:** Temperatures 2 to 4° below normal. Highs lower 80s mountains to middle 90s southeast, Florida border. Lows 60s mountains to middle to upper 60s elsewhere except 70s coast. Rain 3 to 5 days north, west, 2 to 4 days southeast. Many areas 1.00 to 2.00 in. of rain, amounts varied 0.50 in. to over 5.00 in.

Days suitable for fieldwork 3.6. Soil moisture 1% short, 51% adequate, 48% surplus. Corn 96% dent, 92% 1993, 92% avg.; 83% mature, 54% 1993, 68% avg.; 11% harvested for grain, 2% 1993, 9% avg. Cotton few reports water stress, spraying for insects. Sorghum 11% fair, 85% good, 4% excellent. Peanuts 18% fair, 78% good, 4% excellent; spraying fungicides; more reports of diseases and water stress. Tobacco 10% poor, 10% fair, 80% good; 73% harvested, 51% 1993, 69% avg. Watermelons 9% very poor, 14% poor, 31% fair, 46% good; 97% harvested, 96% 1993, 95% avg. Other vegetables 17% poor, 33% fair, 50% good; Harvesting potatoes north; wet weather causing harvest, various other problems. Wet fields delaying fall planting. Apples 8% very poor, 24% fair, 68% good; 9% harvested, 7% 1993, 13% avg. Peaches 99% harvested, 94% 1993, 96% avg. Pecans 7% poor, 34% fair, 59% good. Hay 1% very poor, 4% poor, 32% fair, 56% good, 7% excellent; rain delaying cutting, causing over maturing, hay laying in fields. Pasture feed 4% fair, 77% good, 19% excellent; spraying for insects, weeds, mowing. Cattle, hogs good. Activities: Preparing harvesting equipment, attending to livestock, poultry, aerial spraying of fields.

**HAWAII:** Mostly fair during week. Light shower activity on most islands during evenings, early mornings. Heavier isolated rainfall on eastern side of islands. Trade winds 10 to 25 mph. Temperatures low 70s to low 90s. Rainfall none to 4.60 in.

Weather fair for crop progress. Mostly dry with some wet areas. Irrigation necessary drier areas. Regular spray programs kept insects, disease under control. Sugar harvesting active all islands. Pineapple harvesting steady. Papaya production heavy.

**IDAHO:** Temperatures exceeded 100° in many areas. Temperatures up to 7° above normal. Precipitation none to 0.34 in. north, none southwest, none to 0.06 in. south central, none to 0.67 in. east. Extremes 45°; 105°.

Days suitable for fieldwork 7. Potato harvest has begun in southwest. Percentage of total acreage is less than 1% so far. Soil moisture 46% very short, 28% short, 26% adequate. Range, pasture 58%. Potato progress: 12" high 4%, closing middles 64%, turning 24%, vines dying/killed 8%. Potato 1% poor, 20% fair, 65% good, 14% excellent. Barley harvested 26%, 2% 1993, 13% avg.; 3% very poor, 8% poor, 24% fair, 55% good, 10% excellent. Alfalfa hay harvested (2nd cutting) 72%, 45% 1993, 60% average. Dry pea acreage harvested 63%, 4% 1993, 28% avg. Lentil acreage harvested 55%, 1% 1993, 16% avg. Mint acreage harvested 86%, 49% 1993, 57% avg. Peaches harvested 53%, 20% 1993, 41% avg. Irrigation water supplies 14% very poor, 15% poor, 42% fair, 27% good, 2% excellent. Activities: irrigating, cutting alfalfa, harvesting grain, dry peas, hauling water to livestock.

**ILLINOIS:** Enjoyable, unseasonably cool weather overtook State. Highs were in the upper 70s to near 85°. Lows middle 50s to middle 60s. Coolest weather was late in the week with low temperatures in the 40s to 50s. Rainfall was generally below normal. Much of the State received 0.25 to 0.75 in. Some areas had little to no precipitation while others received 2.00 in. or more.

Days suitable for fieldwork 5.5. Soil moisture 60% short, 40% adequate. Corn dented 10%, 5% 1993, 14% avg. Soybeans turning yellow 2%, less than 1% 1993, 1% avg. Oats harvested 98%, 66% 1993, 84% avg. Alfalfa hay third cutting 41%, 17% 1993, 28% avg. Condition 14% excellent, 59% good, 22% fair, 5% poor. Pasture feed 80% of normal. Soil moisture supplies continued short in almost all but the two northern districts where moisture is adequate. Crop conditions deteriorated with little beneficial rain except in the northernmost two districts where crop prospects are good to excellent. Condition of the crop in the east, south worsened, reports of corn maturing early, beans aborting pods were received. Farm activities included crop scouting, preparing storage facilities for harvest, cutting hay, harvesting oats, vegetable, melon crops, mowing weeds.

**INDIANA:** Unseasonably cool weather prevailed across State much of the week. Scattered thunderstorms rumbled across State 3rd, 4th, otherwise, much of the week was dry. High temperatures upper 70s to near 85°, which was 2 to 6° below normal. Lows averaged in the mid 50s to middle 60s with 6th morning readings in the 40s in northern area. Rainfall was generally below normal for the week with totals reading 0.25 to 0.75 in. Some areas had under a quarter inch while others picked up heavy amounts of an inch or more.

Days suitable for fieldwork 6. Continued dry weather raises concerns as both corn, soybeans are at the critical grain-filling stage. Harvesting of oats, mint, hay, detasseling seed corn, topping tobacco were major field activities. Pastures are in fair to poor condition. Pasture feed rated 75% of normal, 80% last week. Topsoil rated 61% short, 38% adequate, 1% surplus. Subsoil moisture 51% short, 47% adequate, 2% surplus. Oats harvested 97%, 89% 1993, 85% avg. Alfalfa 2nd cutting 99%, 92% 1993, 85% avg.

**IOWA:** Temperatures 3 to 5° below normal. Extremes 40°; 90°. Rainfall none at few northwest locations up to 2.68 in. west central; average 0.75 in. (normal 0.89 in.).

Days suitable for fieldwork 5.1. Topsoil 25% short, 73% adequate, 2% surplus. Subsoil 7% short, 87% adequate, 6% surplus. Corn in or past milk stage 80%, 14% 1993, 40% avg. Oats harvested for grain 97% 1994, 69% 1993, 89% avg. Alfalfa hay 2nd crop harvested 94%, 57% 1993, 84% avg. Alfalfa hay 3rd crop harvested 11%, 0% 1993, 5% avg. Clover hay 2nd crop harvested 74%, 22% 1993, 61% avg. Pasture feed 1% poor, 29% fair, 54% good, 16% excellent. Hay 2% poor, 27% fair, 58% good, 13% excellent. Corn crop condition dropped slightly from last week. Pinkeye, face-fly problems reported in cattle.

**KANSAS:** Temperatures 4 to 5° below normal most areas. Precipitation fell all areas. Rainfall 0.09 in. west central district to 1.20 in. east central.

Days suitable for fieldwork 5.5. Surface soil moisture 36% short to very short, 62% adequate, 2% surplus. Subsurface moisture 22% short to very short, 78% adequate. Fall crops making good progress. Corn, sorghum, soybeans still mostly ahead of average maturity. Corn silking virtually complete with the exception of a few acres west central district. Spider mites, corn borers reported in western, southern districts. Corn dent 5%, 5% 1993, 15% avg. A few south central fields are reaching maturity. Chinch bugs are reported in mostly the central, eastern sorghum fields. Some moderate infestations are reported in the south central district. Some soybean fields in extreme southern areas are shedding leaves. Alfalfa 3rd cutting 80%, 40% 1993, 50% avg. Alfalfa 4th cutting 5%, 0% 1993, 4% avg. Pastures are in good condition, except southern districts where they are fair.

**KENTUCKY:** Temperatures first half week averaged near normal, highs 85 to 90°, lows 60s. Cooler air arrived 5th, over weekend. Weekly averages 1 to 5° below normal. Precipitation scattered; however, more

widespread, heavier rainfall 4th, 5th. Rainfall mostly 0.50 to 2.00 in.; some locations over 2.00 in., others little or none.

Days suitable for fieldwork 4.8. Soil moisture 7% very short, 27% short, 59% adequate, 7% surplus. Crop conditions generally good. Tobacco 12% fair, 73% good, 15% excellent. Earliest tobacco being cut, 50% burley, over 3/4ths dark types topped. Condition hay crops 12% poor, 33% fair, 52% good, 3% excellent. Growth limited by dry conditions in some areas. Pastures generally fair, 83% normal.

**LOUISIANA:** Temperatures 3.2 to 4.1° below normal. Extremes 63°; 95°. Rainfall 0.16 in. northwest to 1.04 in. west-central.

Days suitable for fieldwork 3.8. Soil moisture: 64% adequate, 36% surplus. Corn 27% fair, 61% good, 12% excellent; 100% dough stage, 96% 1993, 99% avg.; 82% mature, 63% 1993, 81% avg.; 17% harvested, 6% 1993, 17% avg. Hay 100% first cutting, 98% 1993, 95% avg.; 30% second cutting, 18% 1993, 20% avg. Peaches 94% harvested, 80% 1993, 93% avg. Rice 34% ripe, 26% 1993, 34% avg. Yields improving from earlier harvest, southwest. Sorghum 20% ripe, 4% 1993, 19% avg.; 3% harvested, 0% 1993, 3% avg. Soybeans scattered aerial blight, south. Sugarcane 25% fair, 75% good. Spraying fallowland weeds, preparing for planting. Sweet potatoes 33% fair, 61% good, 6% excellent; 100% planted, 93% 1993, 97% avg.; 6% harvested, 1% 1993, 7% avg. Livestock 6% very poor, 11% poor, 54% fair, 29% good. Pasture feed 1% poor, 8% fair, 80% good, 11% excellent. Vegetables 27% fair, 66% good, 7% excellent. Preparing ground for fall planting, southeast.

**MARYLAND & DELAWARE:** **MARYLAND:** Precipitation 2.37 in., normal 0.92 in. Temperature 76.5°, normal 76.1°. Extremes 40°; 96°.

Days suitable for fieldwork 5.3. Topsoil 83% adequate, 17% surplus. Subsoil 94% adequate, 6% surplus. All small grain harvest complete. Pasture feed excellent. Corn good; 91% silking, 85% 1993, 85% avg.; 30% dough, 43% 1993, 41% avg. Soybeans good; 50% bloomed, 59% 1993, 59% avg.; 19% set pods, 22% 1993, 28% avg. Sorghum good; 75% headed, 48% 1993, 61% avg. Tobacco good; 70% bloomed, 44% 1993, 56% avg.; 38% topped, 18% 1993, 30% avg. Sweet corn 67% harvested, 60% 1993, 59% avg. Potatoes 94% harvested, 54% 1993, 55% avg. Watermelons 59% harvested, 48% 1993, 52% avg. Cantaloupes 63% harvested, 70% 1993, 61% avg. Cucumbers 71% harvested, 68% 1993, 77% avg. Lima beans 12% harvested 17% 1993, 19% avg. Snap beans 68% harvested, 73% 1993, 72% avg. Tomatoes 52% harvested, 64% 1993, 56% avg. Other hay 79% second cut, 77% 1993, 63% avg.; 25% third cut, 22% 1993, 10% avg. Alfalfa hay 63% third cut, 73% 1993, 49% avg. Peaches mostly poor to fair; 77% harvested, 35% 1993, 41% avg. Apples fair to mostly good. Hay supplies adequate.

**DELAWARE:** Precipitation 2.41 in., normal 0.98 in. Temperature 76.7°, normal 77.0°. Extremes 50°; 94°.

Days suitable for fieldwork 5.5. Topsoil moisture 90% adequate, 10% surplus. Subsoil moisture 80% adequate, 20% surplus. All small grain harvest completed. Corn fair to good; 96% silked, 100% 1993, 98% avg.; 35% dough, 23% 1993, 31% avg. Soybeans fair to mostly good; 60% bloomed, 42% 1993, 56% avg.; 14% set pods, 9% 1993, 9% avg. Sorghum fair to good; 58% heading, 17% 1993, 53% avg. Sweet corn 71% harvested, 68% 1993, 58% avg. Potatoes 45% harvested, 36% 1993, 42% avg. Watermelons 33% harvested, 39% 1993, 38% avg. Cantaloupes 57% harvested, 61% 1993, 60% avg. Cucumbers 72% harvested, 69% 1993, 60% avg. Lima beans 10% harvested, 18% 1993, 15% avg. Snap beans 85% harvested, 73% 1993, 70% avg. Tomatoes 49% harvested, 45% 1993, 34% avg. Other hay 92% second cut, 88% 1993, 89% avg.; 21% third cut, 21% 1993, 23% avg. Alfalfa hay 61% third cut, 33% 1993, 46% avg. Hay supplies short to adequate. Pastures feed poor to fair. Peaches fair to mostly good; 61% harvested, 44% 1993, 59% avg. Apples good.

**MICHIGAN:** Extremes 40°; 88°. Precipitation 0.26 to 3.76 in.

Days suitable for fieldwork 4.5. Soil moisture 10% short, 55% adequate, 35% surplus. Dry beans 65% blooming, 80% 1993, 75% avg.; 10% very poor, 15% poor, 25% fair, 35% good, 15% excellent. Oats 95% turning, 100% 1993, 95% avg.; 45% ripe, 55% 1993, 65% avg.; 3% very poor, 12% poor, 35% fair, 40% good, 10% excellent. Wheat, 95% harvested, 95% 1993, 95% avg. Potatoes 30% harvested, 30% 1993, 20% avg. Hay second cutting, 70% harvested, 65% 1993, 60% avg.; 3% very poor, 7% poor, 25% fair, 45% good, 20% excellent. Pasture feed 85% of normal. Activities: cutting hay, harvesting wheat, oats, straw, spraying fieldcrops.

**MINNESOTA:** Temperatures 2 to 4° below normal. Extremes 38°; 93°. Precipitation 0.60 in. above normal in the northwest to 0.40 in. below normal for the rest of the State. Greatest weekly total was 2.45 in.

Days suitable for fieldwork 5.6. Topsoil 1% very short, 27% short, 58% adequate, 14% surplus. Corn 65% milk, 0% 1993, 35% avg.; 9% dough, 0% 1993, 6% avg. Soybeans 89% setting pods 19% 1993, 51% avg.; 0% yellowing, 0% 1993, 0% avg. Spring wheat 15% cut/swathed, 6% 1993, 38% avg.; 21% combined, 3% 1993, 25% avg. Barley 31% cut/swathed, 7% 1993, 60% avg.; 19% combined, 4% 1993, 47% avg. Oats 86% cut/swathed, 21% 1993, 65% avg.; 41% combined, 17% 1993, 49% avg. Rye 80% harvested, 16% 1993, 60% avg. Winter wheat 71% harvested,

15% 1993, 61% avg. Corn 1% very poor, 2% poor, 10% fair, 68% good, 19% excellent. Spring wheat 4% very poor, 13% poor, 47% fair, 36% good. Barley 2% very poor, 9% poor, 54% fair, 35% good. Soybeans 2% very poor, 1% poor, 21% fair, 62% good, 14% excellent. All sunflowers 3% poor, 28% fair, 58% good, 11% excellent. Sugarbeets 3% very poor, 26% fair 71% good.

**MISSISSIPPI:** Temperatures 4.2° below normal. Extremes 56°; 93°. Soil temperature 82°. Rainfall 0.84 in., 0.12 in. below normal. Rainfall light to moderate, 0.08 in. upper delta to 2.60 in. coastal district.

Days suitable for fieldwork 3.8. Soil moisture 60% adequate, 40% surplus. Corn 93% dough, 73% 1993, 83% avg.; 63% dent, 47% 1993, 63% avg.; 23% mature, 13% 1993, 30% avg.; 45% silage harvested, 17% 1993, 38% avg.; 2% fair, 58% good, 40% excellent. Cotton 100% setting bolls, 90% 1993, 91% avg.; 1% open bolls, 1% 1993, 1% avg.; 4% poor, 51% fair, 44% good, 1% excellent. Rice 80% heading, 42% 1993, 58% avg.; 6% mature, 0% 1993, 2% avg.; 22% fair, 71% good, 7% excellent. Sorghum 99% heading, 74% 1993, 83% avg.; 55% turning color, 37% 1993, 46% avg.; 15% mature, 9% 1993, 17% avg.; 3% silage harvested, 7% 1993, 22% avg.; 10% fair, 90% good. Soybeans 86% blooming, 58% 1993, 62% avg.; 52% setting pods, 24% 1993, 35% avg.; 7% poor, 21% fair, 51% good, 21% excellent. Hay 75% harvested, 75% 1993, 69% avg. Peaches 96% harvested, 90% 1993, 94% avg. Pecans 5% very poor, 19% poor, 38% fair, 38% good. Watermelons 88% harvested, 60% 1993, 78% avg.; 22% poor, 46% fair, 32% good. Livestock 5% fair, 73% good, 22% excellent. Pasture feed 92% of normal. Activities: Cotton insect control, hay harvest, weed control.

**MISSOURI:** Temperatures 6° below normal in the western counties to 3° below normal east central, the Kansas City area. Rainfall 1.03 in., varying from 0.50 in. southwest, southeast to 1.76 in. west central.

Days suitable for fieldwork 5.4. Topsoil moisture 54% short, 46% adequate. Corn in dough stage 69%, 64% 1993, 56% avg.; most advanced in southeastern district at 97%, least advanced north central district, 56% dough. Soybeans most advanced north central district with 62% setting pods, least advanced southeastern district 34%. Sorghum coloring most advanced southeast 43%. Alfalfa third cutting 60%, 0% 1993, 38% avg. Pasture 7% very poor, 16% poor, 47% fair, 28% good, 2% excellent.

**MONTANA:** Temperatures above normal, slight precipitation reported for most of State.

Days suitable for fieldwork 6.8. Topsoil moisture 83% short, 17% adequate. Subsoil moisture 73% short, 27% adequate. Barley 17% harvested, 0% 1993, 4% avg.; 3% very poor, 12% poor, 33% fair, 42% good, 10% excellent. Oats 5% harvested, 0% 1993, 3% avg.; 1% very poor, 5% poor, 30% fair, 51% good, 13% excellent. Corn 4% fair, 90% good, 6% excellent. Dry bean 77% good, 23% excellent. Second cutting alfalfa 49%, 2% 1993, 21% avg. Other hay harvest 87%, 40% 1993, 71% avg. Pasture, range feed condition 85% of normal.

**NEBRASKA:** Temperatures near normal west to 7° below normal east. Precipitation was scattered across the State varying from 0.01 in. southwest to 2.38 in. northeast.

Days suitable for fieldwork 4.9. Topsoil moisture 24% short, 71% adequate, 5% surplus. Subsoil moisture 19% short, 79% adequate, 2% surplus. Corn 1% poor, 5% fair, 74% good, 20% excellent; 66% dough, 12% 1993, 26% avg.; 9% dented, 0% 1993, 2% avg. Soybean 7% fair, 74% good, 19% excellent; 89% setting pods, 25% 1993, 40% avg. Sorghum 8% fair, 70% good, 22% excellent; 94% headed, 18% 1993, 40% avg.; 1% turning color, 0% 1993, 2% avg. Dry bean 21% fair, 64% good, 15% excellent; 90% setting pods, 41% 1993; 2% leaves turning color. Pasture, range feed 89% of normal.

**NEVADA:** High pressure, dry, southwesterly flow continued to dominate the weather pattern. Few thundershowers fell north central, northeast. Temperatures 3 to 4° above normal all climatic regions. Extremes 36°; 119°. Number of fires raged within State due to prolonged hot, dry weather, high winds. Among the most notable; the Moore Fire north of Winnemucca (23,000 acres), the Crystal Peak-Verdi Fire west of Reno (7,300 acres), the Woodhills Fire south of Wells (4,000) acres.

Small grain harvest gaining momentum north. Second, third cutting alfalfa active north, central areas. Fourth cutting underway south. Garlic harvest beginning. Range, pasture feed condition deteriorating seasonally. Main farm, ranch activities: Haying, grain harvest, fencing, ditch cleaning, livestock care.

**NEW ENGLAND:** Precipitation 0.04 to 1.79 in. regionwide. Temperatures 56 to 70° north; 64 to 73° south. Temperatures 3° below normal regionwide. Maximum temperatures 82 to 90° north; 82 to 92° south. Minimum temperatures 35 to 54° north; 44 to 66° south.

Days suitable for fieldwork 5.7. Soil moisture 3% very short, 23% short, 67% adequate, 7% surplus. Available grazing 4% very short, 27% short, 69% adequate. Fieldwork 2 days behind schedule. Disking down

areas of fields heavily infested with Late Blight. Conditions in unaffected Maine potato fields good. Maine oats good to fair. Field corn good. Shade tobacco good, 35% harvested, 20% 1993. Outdoor tobacco good, 25% harvested, 20% 1993. First crop hay 99% harvested, 100% 1993, 99% avg.; good to fair. Second crop hay 45% harvested, 45% 1993, 45% avg.; good. Third crop hay 10% harvested, <5% 1993, 5% avg.; good. Sweet corn 30% harvested, 20% 1993; good. Apples size medium, condition good, color good. Peaches size medium, 20% harvested; fair. Pears size medium, condition good to fair. Raspberries size medium, 60% harvested, good. Highbush blueberries size medium, 60% harvested, good. Wild blueberries size medium, less than 5% harvested, good. Cranberries size large, condition good. Major farm activities: Harvesting vegetables, applying insect, weed control, preparing equipment for harvest.

**NEW JERSEY:** Temperatures below normal. Extremes 43°; 93°. Rainfall 0.51 in. north, 1.76 in. central, 1.28 in. south. Heaviest 24 hour total 3.01 in. on 5th, 6th. Estimated soil moisture, in percent field capacity, averaged 76% north, 83% central, 73% south. Four inch soil temperatures averaged 72° north, 74° central, 75° south.

Days suitable for fieldwork 6. Rain reported statewide, has increased the topsoil moisture to an adequate to surplus level. Spraying for insects occurring. Good supply of green, yellow squash, cucumbers, green beans, tomatoes, eggplants, peppers, cantaloupes. Moderate supply of cabbage, beets, okra, turnips, watermelon. Light volume of herbs, green onions. Fall vegetables are being planted, including spinach, snap beans, cabbage, escarole, endive, lettuce. Potatoes are being harvested statewide. Active harvest of peaches, Lodi, Jersey mac apples.

**NEW MEXICO:** Week began with relatively cool, showery weather; drier air, heat wave returned toward the end of period. Overall, temperatures 2° above normal for the State. Greatest anomaly was 6°, northwest plateau at Farmington. By weekend, afternoon temperatures climbed to 100° or better over the southeast plains, southern desert, much of the central valley. Although the northwest plateau, southeast plains were dry, most of the state saw some precipitation. Higher totals included 2.00 in. at Ruidoso, 1.59 in. at Santa Fe.

Days suitable for fieldwork 6.4. Soil moisture 80% short, 20% adequate. Cropland conditions: Alfalfa 21% fair, 72% good, 7% excellent. Chile was reported at 13% poor, 20% fair, 60% good, 7% excellent. Corn 22% fair, 72% good, 6% excellent. Irrigated sorghum was reported as 23% fair, 69% good, 8% excellent. Dryland sorghum was 25% poor, 50% fair, 25% good. Pecan 50% fair, 50% good. Cattle, sheep conditions varied across the State from poor to excellent condition. Range feed 62% of normal.

**NEW YORK:** Hot, humid weather dominated until the weekend when cool, dry air moved into the area. Severe thunderstorms were common. High winds toppled trees, caused localized damage.

Days suitable for fieldwork 4.5. Soil moisture short to mostly adequate except on Long Island where very short. Rainfall helped relieve dryness. Pasture feed 90% of normal. Hay in mostly good condition. Second cutting alfalfa 68% finished, 70% 1993, 61% avg. Wheat 94% harvested, 94% 1993, 80% avg. Oats 40% harvested, 38% 1993, 30% avg. Corn in good to excellent condition. Warm temperatures promoted growth. Most fields have tasselled, now silking. Early potato harvest continued. Heat stressed Orange County onions. Early onion harvest underway. Vegetable harvests in high gear. Tree fruits sizing well. Grapes in Finger Lakes region in good to excellent condition.

**NORTH CAROLINA:** Mean temperatures at the seven reporting stations 71° at Asheville to 81° at Cape Hatteras. Rainfall 0.03 in. at Charlotte to 1.92 in. at Greensboro.

Days suitable for fieldwork 5.1. Soil moisture 3% short, 76% adequate, 21% surplus. Crop conditions: pasture feed 1% poor, 25% fair, 68% good, 6% excellent; tobacco 6% fair, 79% good, 15% excellent; corn 7% poor, 27% fair, 62% good, 4% excellent; cotton 5% fair, 83% good, 12% excellent; peanuts 8% fair, 80% good, 12% excellent; soybeans 12% fair, 81% good, 7% excellent; hay 35% fair, 61% good, 4% excellent; sweet potatoes 8% fair, 82% good, 10% excellent; apples 27% fair, 72% good, 1% excellent; peaches 4% fair, 95% good, 1% excellent; sorghum 14% fair, 78% good, 8% excellent; truck crops 27% fair, 63% good, 10% excellent; hay, roughage supplies 16% short, 81% adequate, 3% surplus; corn for silage harvested 23%, 14% 1993, 15% avg.; peaches harvested 84%, 79% 1993, 82% avg.; flue cured tobacco harvested 24%, 21% 1993, 30% avg.; cotton bloomed 86%, 87% 1993, 81% avg.; corn soft dough 86%, 78% 1993, 80% avg.; dent 70%, 54% 1993, 57% avg.; mature 25%, 12% 1993, 10% avg.; soybeans bloomed 54%, 48% 1993, 45% avg.; pods set 30%, 18% 1993, 21% avg.; second cutting of hay is 68% complete with the third cutting 21% complete. Activities included: Topping tobacco; harvesting flue-tobacco, peaches, truck crops, applying pesticides. Other activities included: Harvesting hay; cultivating crops; tending livestock; equipment repair, general farm maintenance.

**NORTH DAKOTA:** The week was quite seasonal with highs reaching the 90s in the west, upper 80s in the east. Precipitation 0.12 in. south

central to 0.67 in. central. Temperatures 2° below normal southeast, east central to 3° above normal northwest, southwest. Extremes 40° north-west, northeast; 100° southwest.

Days suitable for fieldwork 6.4. Topsoil 5% very short, 41% short, 49% adequate, 5% surplus. Subsoil 3% very short, 24% short, 68% adequate, 5% surplus. Small grain harvest was well underway. Hard red spring wheat 20% swathed or combined, 1% 1993, 34% avg.; durum wheat 5% swathed or combined, 0% 1993, 19% avg.; barley 36% swathed or combined, 8% 1993, 52% avg.; oats 34% swathed or combined, 4% 1993, 42% avg. Hard red spring 1% very poor, 6% poor, 26% fair, 57% good, 10% excellent; durum wheat 1% very poor, 4% poor, 20% fair, 58% good, 17% excellent; barley 1% very poor, 4% poor, 18% fair, 62% good, 15% excellent; oats 2% very poor, 4% poor, 22% fair, 61% good, 11% excellent. Late season crop development ahead of last year, at or ahead of average. Flaxseed 23% turning to ripe and beyond, 6% 1993, 30% avg.; corn 37% milk to dough and beyond, 0% 1993, 21% avg.; dry edible beans 58% fully podded, 1% 1993, 30% avg.; soybeans 60% fully podded, 1% 1993, 21% avg.; sunflower 62% blooming and beyond, 13% 1993, 46% avg.; potatoes 97% rows filled and beyond, 82% 1993, 72% avg. Flaxseed 1% poor, 16% fair, 68% good, 15% excellent; corn 1% very poor, 2% poor, 22% fair, 59% good, 16% excellent; dry edible beans 1% very poor, 5% poor, 19% fair, 59% good, 16% excellent; soybeans 3% poor, 25% fair, 51% good, 21% excellent; sunflower 2% poor, 13% fair, 66% good, 19% excellent; sugarbeets 3% poor, 5% fair, 73% good, 19% excellent; potatoes 1% poor, 5% fair, 67% good, 27% excellent. Range, pastures feed 83% of normal, hay 83% of normal. Alfalfa hay second cutting 62% complete, other hay 84%. Stockwater supplies 1% very short, 3% short, 94% adequate, 2% surplus.

**OHIO:** Highs upper 70s to lower 80s, 3 to 6° below normal. Extreme highs were in the mid to upper 80s, reaching 89° at Hoytville, South Charleston. Lows averaged from the mid 50s to around 60°, also 3 to 6° below normal. The lowest report was 40° degrees at Youngstown. Lower than normal temperatures resulted in growing degree day accumulations falling from 10 to 20 short of normal. Totals for the season, since April 1, remain 150 to more than 250 above normal. Precipitation around 0.50 in. to over 1.50 in. Rainfall was fairly evenly distributed, amounted to more than normal in much of the State. Since April 1, rainfall is short by 2.00 in. or more over a good deal of the State.

Days suitable for fieldwork 5.3. Crop development is ahead of schedule. Crops good to excellent condition. Soil moisture 17% short, 74% adequate, 9% surplus. Corn in dough stage is 35%. Oat harvest 84% complete. Potato harvest 16% complete. Summer Apple harvest 55% complete. Hay 4% poor, 25% fair, 57% good, 14% very good. Alfalfa hay third cutting 28% complete. Other hay second cutting 71% complete. Pasture feed 1% very poor, 8% poor, 27% fair, 53% good, 11% excellent.

**OKLAHOMA:** Temperatures 2° below normal southwest to 5° below normal east central. Precipitation 1.74 in. northeast to none central.

Days suitable for fieldwork 6.1. Topsoil moisture 41% short, 55% adequate, 4% surplus. Subsoil moisture 26% short, 74% adequate. Corn 9% fair, 91% good; 91% milk-to-soft, 79% 1993, 75% avg.; 17% mature, 9% 1993, 10% avg.; 2% harvested, none 1993, none avg. Soybeans 72% flowering, 49% 1993, 46% avg.; 48% setting pods, 20% 1993, 19% avg. Peanuts 11% fair, 89% good; 92% pegging, 89% 1993, 84% avg.; 62% setting pods, 64% 1993, 45% avg. Cotton 69% fair, 31% good; 98% squaring, 100% 1993, 86% avg.; 84% setting bolls, 84% 1993, 55% avg.; 1% open bolls, none 1993, none avg. Pasture 90% normal. Feeder steers \$1 to \$2 per cwt. lower, feeder heifers steady to \$1.50 per cwt. lower.

**OREGON:** Temperatures above normal statewide. Coast 1 to 4° above normal, western interior 1 to 5°, eastern locations 3 to 9° above normal. Dry most areas, exception the coast with 0.10 in. Scattered thunderstorms east of Cascades produced 0.10 to 0.50 in.

Soil moisture 65% short, 35% adequate. Winter wheat 74% harvested. Barley 36% harvested. Eastern region grain, hay harvests continued. Peppermint harvest underway, central areas. Western areas: Grass seed harvest, field burning winding down; grain harvest continued; sugarbeet seed, mint, garlic harvests underway. Northeastern, Klamath Basin potatoes sizing well. Central area vegetable seed crops excellent condition. Willamette Valley: vegetables stressed by drought conditions, green bean, sweet corn, broccoli harvest continued, blueberry, boysenberry harvests winding down, Marion blackberries harvest complete, some pruning, training of caneberreries underway, peach, Gravenstein apple harvests continued, insecticide spray schedules maintained on hazelnuts. Hood River Valley, Medford district Bartlett pear harvest expected the week of 8/7. Cranberry sizing continued, irrigation, fertilization continued; southern coast. Livestock good to excellent. Range, pasture feed 69% of normal. Supplemental feeding continued Willamette Valley. Range, forest fires destroyed considerable range acreage. Lighting strikes have caused numerous range fires. North-eastern cattlemen face probable removal of all cattle on government allotments containing Snake River Chinook Salmon spawning habitat.

**PENNSYLVANIA:** Temperature 75°, 4° above normal. Extremes 33°; 91°. Precipitation 1.13 in., 0.27 in. above normal. Hot, humid during beginning of week. Cool fall temperatures at weekend. Record lows in many areas.

Days suitable for fieldwork 4. Soil moisture 20% short, 69% adequate, 11% surplus. Corn 71% silk, 67% 1993, 59% avg.; 4% dough, 9% 1993, 10% avg.; 1% very poor, 3% poor, 16% fair, 41% good, 39% excellent. Soybean 1% very poor, 3% poor, 12% fair, 47% good, 37% excellent. Wheat harvest 95% complete, 94% 1993. Oat harvest 51% complete, 54% 1993. Barley harvest 96% complete, 94% 1993. Second cutting alfalfa 79% complete, 85% 1993. Third cutting alfalfa 16% complete, 28% 1993. Second cutting clover-timothy 49% complete, 57% 1993. Quality of hay made 38% poor, 52% fair, 10% good. Feed from pastures good to excellent. Activities: making hay; harvesting small grains; baling straw; harvesting vegetables; fixing fences; hauling manure, caring for livestock.

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

**SOUTH CAROLINA:** Rainfall 1.20 in.; temperatures near normal to 2° below normal.

Days suitable for fieldwork 5.3. Soil moisture 13% short, 79% adequate, 8% surplus. Tobacco fair to good; 52% harvested, 33% 1993, 49% avg.; 5% stalks destroyed, 0% 1993, 3% avg. Corn fair to good; 64% mature, 62% 1993, 64% avg.; 8% harvested, 12% 1993, 11% avg. Cotton 9% fair, 91% good; 97% squaring, 99% 1993, 99% avg.; 80% setting bolls, 90% 1993, 88% avg. Soybeans 34% fair, 66% good; 48% blooming, 54% 1993, 50% avg.; 18% setting pods, 24% 1993, 20% avg. Cantaloupes fair to good; 83% harvested, 85% 1993, 82% avg. Watermelons fair to good; 87% harvested, 84% 1993, 88% avg. Cucumbers fair to good; 93% harvested, 94% 1993, 91% avg. Peaches fair to good; 86% harvested, 76% 1993, 78% avg. Sorghum fair to good; 8% harvested, 14% 1993, 12% avg. Snap beans good; 76% harvested, 94% 1993, NA avg. Fall hay fair to good; 24% harvested, 33% 1993, 33% avg. Pasture feed fair to good.

**SOUTH DAKOTA:** Temperatures 1 to 5° below normal central, east; 1 to 5° above normal west. Extremes 40°; 102°. Light precipitation, most locations 0.10 to 0.50 in. Heavier amounts 3.28 in. Black Hills, 1.59 in. northwest.

Days suitable for fieldwork 6.4. Topsoil 14% very short, 51% short, 34% adequate, 1% surplus. Subsoil 17% very short, 24% short, 55% adequate, 4% surplus. Winter rye 95% harvested, 33% 1993, 69% avg. Barley 4% poor, 51% fair, 41% good, 4% excellent; 80% harvested, 26% 1993, 60% avg. Oats 1% very poor, 1% poor, 51% fair, 45% good, 2% excellent; 88% harvested, 36% 1993, 66% avg. Flax 42% fair, 44% good, 14% excellent; 15% ripe, 5% 1993, 36% avg. Row crop progress well ahead of average. Sunflower 14% fair, 65% good, 21% excellent; 81% blooming, 25% 1993, 46% avg. Alfalfa 2nd cutting 67% harvested, 50% 1993, 55% avg. Other hay 71% harvested, 51% 1993, 65% avg. Livestock 2% fair, 78% good, 20% excellent. Feed supply 1% very short, 17% short, 74% adequate, 8% surplus. Pastures feed 89% of normal. Water supply 8% short, 83% adequate, 9% surplus.

**TENNESSEE:** Below normal temperatures throughout the State. Above normal precipitation except in the extreme northwest.

Days suitable for fieldwork 4.2. Soil moisture 4% short, 69% adequate, 27% surplus. Corn 75% dough, 66% 1993, 64% avg.; 32% dent, 20% 1993, 28% avg.; 3% fair, 58% good, 39% excellent. Cotton 99% setting bolls; 99% 1993, 92% avg.; 0% open bolls, 0% 1993, 1% avg.; 64% good, 36% excellent. Sorghum 78% headed, 88% 1993, 77% avg.; 17% turning color, 9% 1993, 12% avg.; 1% fair, 78% good, 21% excellent. Soybeans 69% blooming, 67% 1993, 57% avg.; 30% setting pods, 27% 1993, 24% avg.; 4% fair, 84% good, 12% excellent. Tobacco 62% topped, 43% 1993, 52% avg.; 3% poor, 8% fair, 87% good, 2% excellent. Other hay, 1% poor, 17% fair, 74% good, 8% excellent. Alfalfa, 1% very poor, 1% poor, 7% fair, 84% good, 7% excellent. Pasture feed 4% fair, 85% good, 11% excellent. Cattle, 8% fair, 72% good, 20% excellent.

**TEXAS:** First week of August continued the trend of cooler weather that was observed during the last week of July. Showers, thunderstorms developed over parts of the Panhandle, central, eastern sections of the State during the week, while much of the south, west remained dry. Temperatures began to warm significantly over the weekend in the west, with temperatures exceeding 100°. Meanwhile, a complex of showers, thunderstorms from Oklahoma moved down through parts of the central, eastern sections of the State with strong winds, heavy rainfall. For the week, the Low Plains, Trans-Pecos, Edwards Plateau, South Texas less than 0.10 in. which was 0.25 to 0.50 in. below normal. The High Plains, Cross Timbers, Blacklands, South Central, Coastal Bend averaged near normal rainfall around 0.25 to 0.75 in. East Texas, Upper Coast, the Lower Valley averaged between 0.75 and 1.75 in., which was 0.50 to 1.00 in. above normal. Many individual stations recorded between 1.00 and 3.00 in. with 3.15 in. at Longview the largest. Temperatures for the week averaged near normal in the Blacklands, Trans-Pecos, Edwards Plateau, to 5 to 6° below normal in the Plains, Cross Timbers, Lower Valley.

**Crops:** Corn made good progress in the Plains, as irrigation activities, spraying for corn borers, mites continued. Harvest activities throughout central, Southern Texas began winding down. Corn 85% normal, 85% 1993; 93% silked, 98% 1993; 60% dented, 61% 1993; 48% mature, 43% 1993; 33% harvested, 20% 1993. Harvest continued in full swing in the Valley, throughout the Coastal Bend. Rain showers along the Upper Coast delayed harvest activities. Some early planted fields were harvested in Central Texas, Blacklands, defoliation activities continued. Most irrigated fields made good progress, dryland fields continued to cut out in the Plains. Irrigation activities remained constant, most producers were busy spraying for boll weevils. Cotton 69% normal, 81% 1993; 99% squaring, 96% 1993; 6% harvested, 3% 1993. Peanuts: irrigated fields made excellent progress, however most dryland fields remained stressed. Spraying for leaf spot was active. Peanuts 81% normal, 78% 1993. Rice scattered showers along the Upper Coast, South Central Texas caused delays in harvesting operations. Rice 95% normal, 79% 1993. Sorghum harvest was virtually completed throughout the southern part, remained active in Central Texas, Blacklands. Harvest delays were reported in some areas due to scattered showers, lack of storage at local grain elevators. In the Plains, most fields made good progress as irrigation activities remained constant. Some fields received minor hail damage. Sorghum 72% normal, 79% 1993; 59% mature, 50% 1993; 50% harvested for grain, 37% 1993. Soybean harvest activities continued along the Upper Coast, Blacklands. Late maturing fields benefitted from the scattered showers, cooler temperatures, made good progress. Soybeans 3% harvested, 0% 1993. Small grains-In the Plains, final land preparations for fall small grain planting were active. Producers were busy applying fertilizers, replowing. Oats 100% harvested, 97% 1993.

**Commercial Vegetables:** Rio Grande Valley: irrigation began for early planted fall vegetables. Fall cabbage planting continued, producers began spraying for white flies in peppers. In citrus, pest control, irrigation activities remained constant. Some smaller fruit size may result from lack of moisture earlier in the summer. San Antonio-Winter Garden: land preparation activities for fall vegetable plantings continued. Trans-Pecos: watermelon and cantaloupe harvest continued. Chillies made good progress with a few fields of green chillies harvested. East Texas sweet potato harvest continued. Harvest of tomatoes, peppers, peas, squash, cucumbers, watermelons continued. Preparation for planting fall vegetables continued. High Plains: cabbage, onion, potato, carrot, and watermelon harvest continued. Peach harvest of most early varieties was completed. Harvest of later varieties was virtually completed in Edwards Plateau where most producers were busy cleaning up orchards. Harvest continued in Cross Timbers, throughout the Plains. Pecans continued to make good progress in Cross Timbers, producers began scouting for weevils. Nuts continued to size, develop but showed signs of stress due to extreme high temperatures throughout the summer. Irrigation remained active.

**Range and Livestock:** Range, pasture conditions improved in areas where scattered showers fell. Haying operations continued to decrease as producers were waiting for substantial rainfall to benefit hay growth before cutting again. Supplemental feeding continued, some producers began hauling water in areas where stock tanks were low. Livestock remained fair to good condition.

**UTAH:** Temperature maxima 7° above normal; minima 5° above normal. Precipitation generally none to light.

Days suitable for fieldwork 6.8. Soil moisture 100% short. Irrigation water supply 41% very short, 57% short, 2% adequate. Stockwater supply 15% very short, 76% short, 9% adequate. Hay, roughage supplies 3% very short, 26% short, 69% adequate, 2% surplus. Spring wheat ripe 92%, 61% 1993; harvested 75%, 13% 1993, 44% avg. Barley ripe 87%, 64% 1993; harvested 80%, 22% 1993, 50% avg. Oats ripe 53%, 47% 1993, 56% avg.; harvested hay/silage 90% completed, 83% 1993, 71% avg.; harvested for grain 35%, 4% 1993, 20% avg. Winter wheat harvested 94%, 31% 1993, 67% avg. Corn: height 75 in., 55 in. 1993, 61 in. avg.; tasseling 83%, 60% 1993, 65% avg. Alfalfa hay: 2nd cutting 88% completed, 78% 1993, 81% avg.; 3rd cutting 13%, 7% 1993. Other hay cutting 84% completed, 83% 1993, 84% avg. Peaches harvested 18%, 1% 1993. Pasture, range feed conditions poor to fair. Activities were irrigating, harvesting alfalfa, oats, grass hay, barley, wheat, peaches, vegetables. Some ranchers are beginning to remove cattle from summer pastures due to dry conditions and fire damaged ranges.

**VIRGINIA:** Temperatures above normal except in the west, southwest. Extremes 54°; 93°. Rainfall above normal in the east, southeast, below normal in the south, north.

Days suitable for fieldwork 3.1. Topsoil moisture 63% adequate, 37% surplus. Corn 4% very poor, 12% poor, 29% fair, 45% good, 10% excellent; silked 85%, 86% 1993, 83% avg.; dough stage 51%, 50% 1993, 50% avg.; dented 26%, 26% 1993, 27% avg. Soybean 28% fair, 59% good, 13% excellent; bloom 54%, 51% 1993, 51% avg.; setting pods 27%, 31% 1993, 31% avg. Peanut 25% fair, 75% good. Flue tobacco 17% poor, 20% fair, 29% good, 34% excellent. Flue tobacco harvested 13%, 18% 1993, 20% avg. Burley tobacco 50% fair, 50% good. Fire tobacco 8% fair, 56% good, 36% excellent; harvested 5%, 4% 1993, 8% avg. Sun tobacco 50% fair 17% good, 33% excellent. Sun tobacco harvested 4%, 3% 1993, 4% avg. Cotton 100% good. Apple 7% fair and

93% good. Summer apple harvest 14%, 35% 1993, 20% avg. Peaches harvested 52%, 50% 1993, 64% avg. Potato harvested 94%, 98% 1993, 100% avg. Pasture feed 25% fair, 55% good, 20% excellent. Alfalfa hay 18% fair, 55% good, 27% excellent. Other hay 29% fair, 56% good, 15% excellent. Topping tobacco, harvesting flue-cured tobacco continues. Fire, sun tobacco harvest just beginning. Vegetable harvesting slowed due to rain. Fall snapbean, cucumber planting also delayed by rain. Apple, peach harvest continues. Spraying peanuts for leaf spot, schlerotinia.

**WASHINGTON:** Temperatures normal to 3° above normal west; 1° below normal to 8° above normal east. Precipitation none to 0.03 in. west; none to 0.42 in. east. Weather continued hot, dry.

Days suitable for fieldwork 7.0. Soil moisture 74% short, 26% adequate. Hay, other roughage supplies 1% very short, 6% short, 92% adequate, 1% surplus. Range, pasture feed 20% very poor, 54% poor, 23% fair, 3% good. Winter wheat dryland 4% very poor, 23% poor, 27% fair, 42% good, 4% excellent; irrigated 11% fair, 80% good, 9% excellent. Spring wheat dryland 6% very poor, 46% poor, 40% fair, 8% good; irrigated 18% fair, 82% good. Barley dryland 12% very poor, 43% poor, 35% fair, 10% good; irrigated 14% fair, 86% good. Potatoes 15% fair, 85% good. Dry edible beans 5% fair, 95% good. Corn 20% fair, 80% good. Winter wheat 78% harvested, 39% 1993, 52% avg. Spring wheat 69% harvested, 5% 1993, 36% avg. Barley 73% harvested, 12% 1993, 39% avg. Potatoes 7% harvested, 8% 1993, 10% avg. Dry peas 86% harvested, 7% 1993, 51% avg. Alfalfa, second cutting, 87% complete, 66% 1993, 83% avg. Small grain harvest continued with yields still variable. Dry pea, lentil yields were reported as mostly poor. Third cutting of alfalfa was underway in the major areas. Overall fruit quality was being reduced by the hot temperatures, short water supplies. Bartlett pear harvest started in the Yakima Valley. Fires continued to rage. Most of the fires were concentrated in the forests, some rangeland was burning. A couple of cattlemen have lost stock in the north-central areas. Edges of some orchards were damaged by fires, though no significant amount of acreage was affected. To date, the fires have affected over 200,000 acres in the State.

**WEST VIRGINIA:** Temperature 70°. Extremes 44°; 94°. Rainfall 1.55 in.

Days suitable for fieldwork 3.8. Soil moisture 72% adequate, 28% surplus. Wheat 3% fair, 97% good; harvested 96%, 100% 1993, 83% avg. Hay 17% fair, 74% good, 9% excellent; first cutting 100%, 100% 1993, 95% avg.; second cutting 35%, 45% 1993, 36% avg. Apples 50% poor, 50% fair. Corn 20% fair, 76% good, 4% excellent; silked 62%, 75% 1993, 73% avg.; dough stage, 22%, 20% 1993, 35% avg. Oats 47% fair, 53% good; ripe 90%, 100% 1993, 92% avg.; harvested 60%, 95% 1993. Tobacco 29% fair, 71% good; topped 20%, 30% 1993, 25% avg. Gardens 17% fair, 78% good, 5% excellent. Soybeans 10% fair, 90% good; blooming 69%, 66% 1993; podding 52%. Pasture feed 17% fair, 72% good, 11% excellent; 95% of normal. Cattle mostly good. Sheep mostly good. Farm activities: cutting hay, harvesting oats, wheat, gardening.

**WISCONSIN:** Temperature 66°, 3° below normal. Extremes 34°; 93°. Precipitation 0.10 to 1.30 in.

Days suitable for fieldwork 4.7. Soil moisture 12% short, 74% adequate, 14% surplus. Pasture condition 86%, 86% 1993, 78% avg. General condition of crops: 3% fair, 76% good, 21% excellent. Average height of corn 88 in., N/A 1993, N/A avg.; silked 88%, 37% 1993, 65% avg.; dough or beyond 17%, 2% 1993, 12% avg.; 1% fair, 34% good, 65% excellent. Oats 12% poor, 37% fair, 41% good, 10% excellent. Soybean 4% fair, 54% good, 42% excellent. Second cutting hay harvested 72%, 53% 1993, 69% avg. Winter wheat harvested 79%, 35% 1993, 60% avg. Oats harvested 47%, 11% 1993, 33% avg. Completing second cutting hay has been the talk throughout the State. Rainy conditions have made harvest difficult, many windrows are rotting in the field. A Barron county reporter called it "black hay". Potato leafhopper is showing up in many alfalfa fields with some reports of damage. Wheat harvest continues with reports of respectable yields. Weeds continue to be a problem in oats fields; yields are lower with some abandonment for bedding. Cranberries have a very good set in the central part of the State. Tobacco harvest began in the southern part of the State.

**WYOMING:** Temperatures normal to 10° above normal. Precipitation 0.10 to 0.25 in. above normal in the southeast quarter of the State. Elsewhere precipitation was well below normal.

Days suitable for fieldwork 6.8. Topsoil moisture 86% short, 14% adequate. Winter wheat 96% harvested, 46% 1993, 60% avg. Spring wheat 60% mature, 18% 1993, 52% avg.; 29% harvested, 4% 1993, 19% avg. Oats 41% mature, 14% 1993, 45% avg.; 19% harvested, 7% 1993, 15% avg. Barley 70% mature, 43% 1993, 66% avg.; 31% harvested, 12% 1993, 28% avg. Corn 76% silked, 15% 1993, 34% avg.; 42% in milk, 1% 1993, 9% avg.; 9% in dough, 0% 1993, 1% avg. Dry beans 65% setting pods, 44% 1993, 56% avg.; 7% leaves turning color, 0% 1993, 1% avg. Alfalfa 47% second cutting harvested, 17% 1993, 31% avg. Other hay 84% harvested, 71% 1993, 71% avg. Irrigation water supplies 60% short, 40% adequate. Barley 2% poor, 22% fair, 76% good. Oat 9% poor, 50% fair, 41% good. Spring wheat 30% poor, 47% fair, 23% good. Sugarbeets 1% fair, 76% good, 23% excellent. Corn 2% fair, 96% good, 2% excellent. Potato 67% fair, 33% good. Dry bean 100% good. Stockwater supplies 46% short, 54% adequate.

# International Weather and Crop Summary

## HIGHLIGHTS

July 31 - August 6, 1994

**FSU-WESTERN:** Generally dry weather continued to favor harvesting but adversely affected summer crop development.

**FSU-NEW LANDS:** Moisture conditions were becoming unfavorably wet for spring grains in Urals, Russia.

**EUROPE:** Cooler weather at week's end eased heat stress in the northeast, but mostly dry weather persisted.

**AUSTRALIA:** The eastern drought hindered wheat establishment as the planting season ended.

**SOUTH AMERICA:** Cool weather stressed reproductive wheat in southern Brazil, as rain benefited vegetative wheat in Argentina.

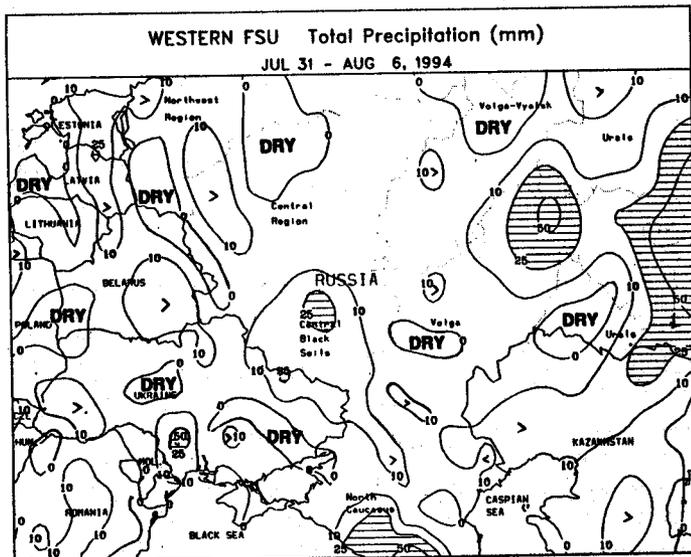
**SOUTH ASIA:** Heavy showers continued across central India, increasing moisture reserves but making primary soybean areas unfavorably wet.

**SOUTHEAST ASIA:** Needed rain covered Thailand's rainfed rice and corn areas.

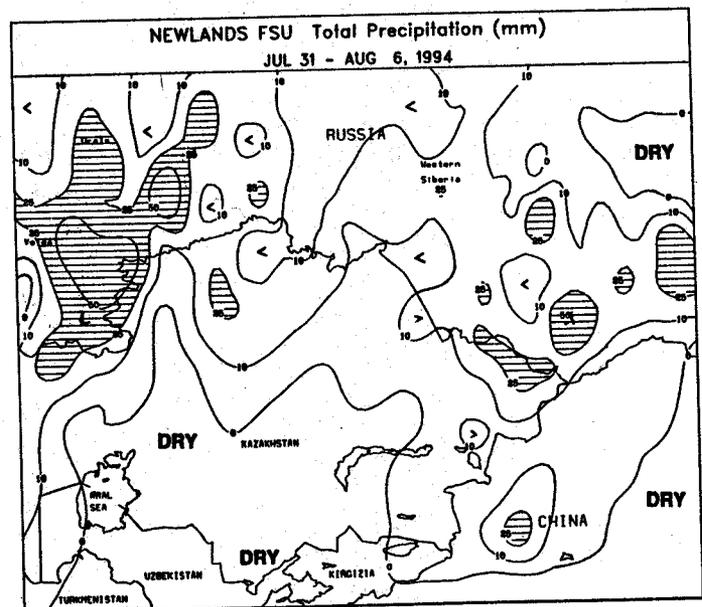
**EASTERN ASIA:** Showers benefited summer crops across northern China, but portions of eastern China were becoming dry. Tropical storms produced additional flooding across extreme southern China and beneficial rain in South Korea.

**MEXICO:** Widespread rain benefited summer crops across the main corn belt.

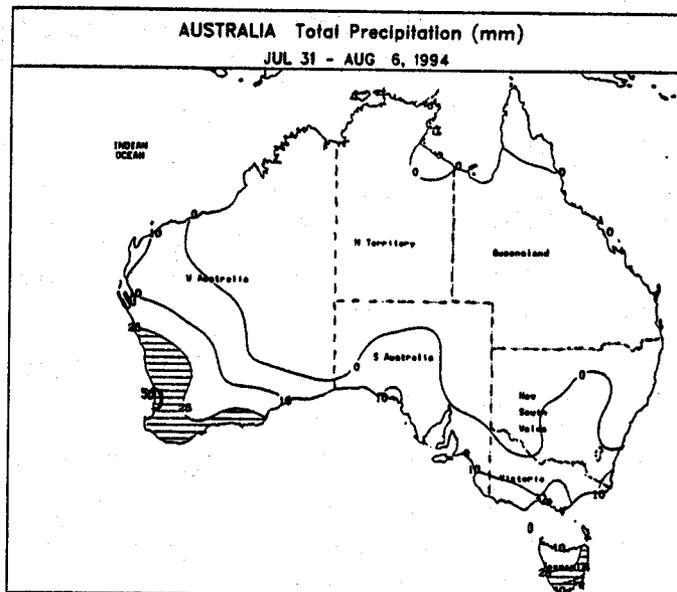
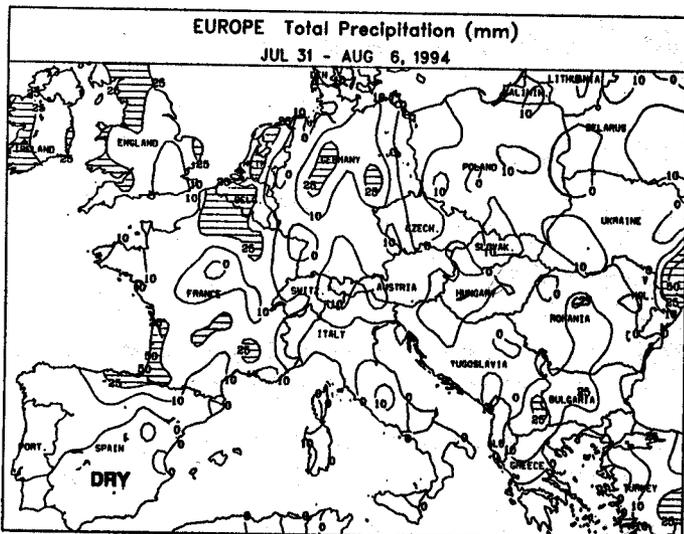
**CANADA:** Dry weather persisted across the Prairies, with periodic heat in the southwest stressing immature grains and oilseeds.



**FSU-WESTERN:** Generally dry weather continued over Russia, Ukraine, Baltic States, and Belarus, with only a few scattered showers in excess of 10 mm. Well-below-normal precipitation since mid-June in these areas has created ideal conditions for maturation and harvest of winter grains. However, the dryness has adversely affected corn, sunflowers, and sugarbeet development. Unseasonably hot weather continued over western Ukraine, Belarus, the Baltic States, and adjacent areas in Russia, where weekly average temperatures ranged from 3 to 7 degrees Celsius (C) above normal. Unseasonably cool weather (weekly average temperatures ranging from 1 to 3 degrees C below normal) covered the remainder of Russia (North Caucasus, Volga Valley, and Volga Vyatsk).

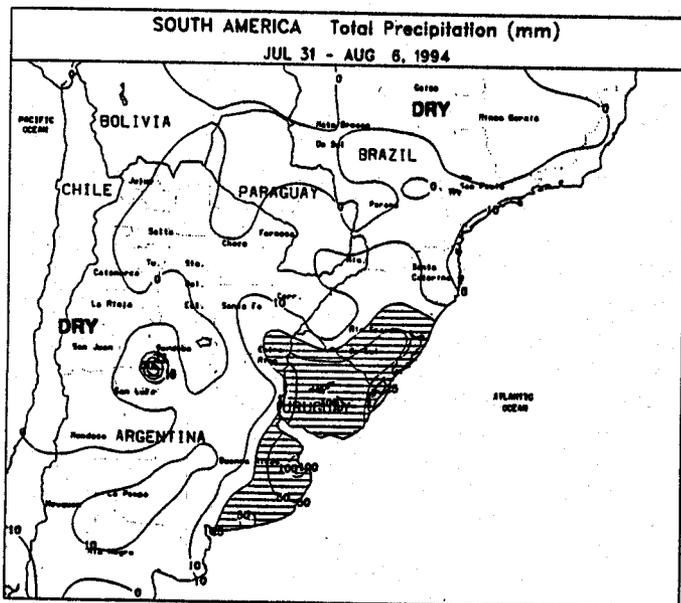


**FSU-NEW LANDS:** Light to moderate rain (10-25 mm, with local amounts in excess of 50 mm) continued to cover filling spring grains in Kazakhstan and Russia. Conditions were likely too wet in the Urals, where rainfall has been persistent and locally heavy. Weekly average temperatures were near normal in Kazakhstan, 1-3 degrees C above normal in West Siberia, and 1-4 degrees C below normal in the Urals. In Central Asia, seasonably hot, dry weather covered irrigated cotton.

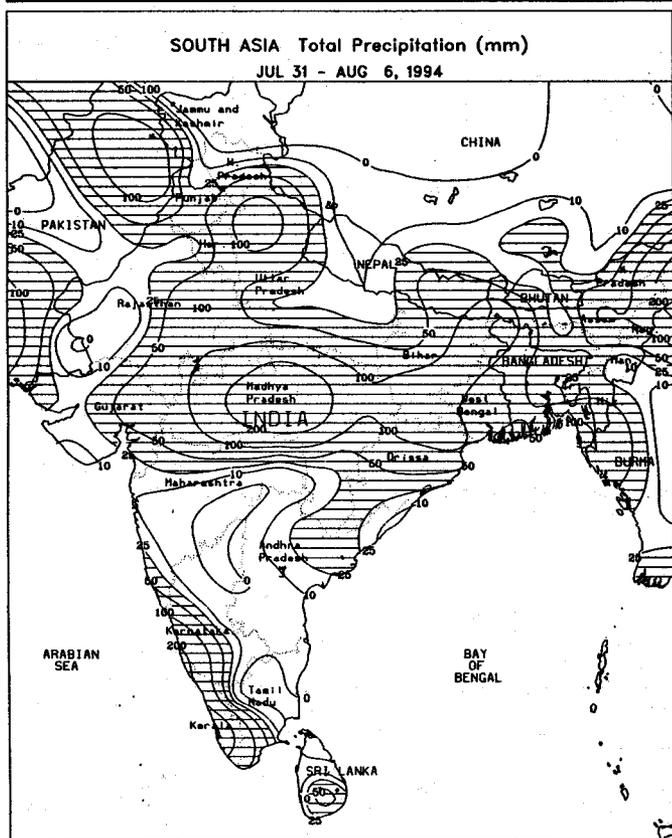


**EUROPE:** High temperatures again soared into the middle and upper 30's C across Europe, except for the British Isles. Temperatures averaged 4-9 degrees C above normal from northeastern France to Poland and Hungary, stressing summer crops in reproductive to filling stages and hastening maturity of spring grains over central and northern Europe. Cooler weather at week's end eased heat stress, but showers were scattered and mostly light in eastern Europe. Dry weather also continued over central France and southern Germany, as the below-average rainfall trend continued to dominate European crop areas. Beneficial showers (10-25 mm) for immature crops were confined mostly to the northwest, including corn areas of southwestern France, for the second week. Variable showers (1-30 mm) fell on the Balkans. Scattered showers and cooler weather late in the week eased stressful conditions in Scandinavian crop areas.

**AUSTRALIA:** Mostly light rain (4-15 mm) fell across the southern wheat areas, aiding semi-dormant winter grains. Unseasonably cool weather (3-5 degrees C below normal) prevailed across northern New South Wales and southern Queensland as the drought continued to hinder wheat establishment. Early August is about the latest that wheat can be planted. Widespread rain (16-45 mm) kept soil moisture adequate for western wheat.

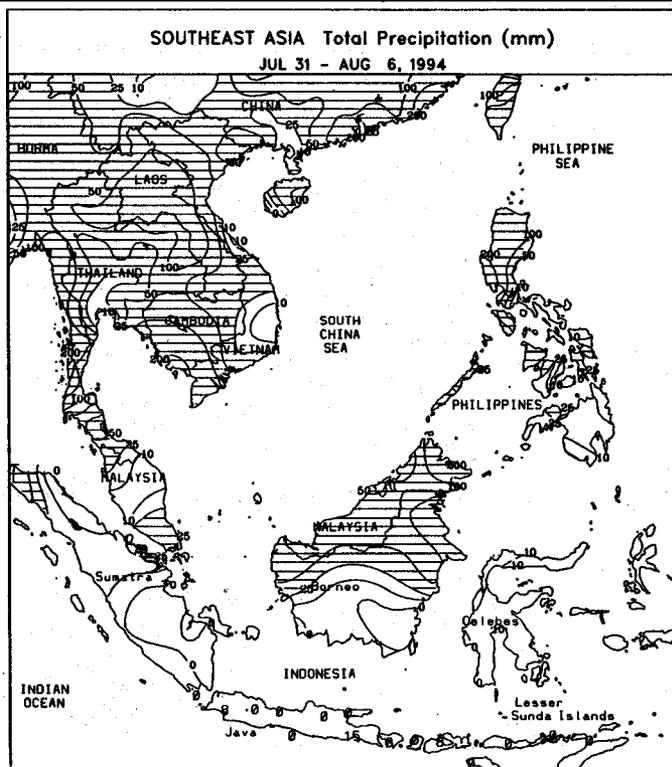


**SOUTH AMERICA:** In southern Brazil, minimum temperatures of 0 to -2 degrees C were reported in Santa Catarina and 2 to 1 degrees C in southeastern Parana, stressing reproductive wheat. Light to moderate rain (5-20 mm) kept soils moist in Parana, Santa Catarina, and Rio Grande do Sul. Dry weather aided citrus, coffee, and sugarcane harvesting in Sao Paulo and Minas Gerais. In Argentina, light to moderate rain (10-45 mm) benefited vegetative winter wheat across central and southern Buenos Aires. Temperatures averaged near normal across the region.

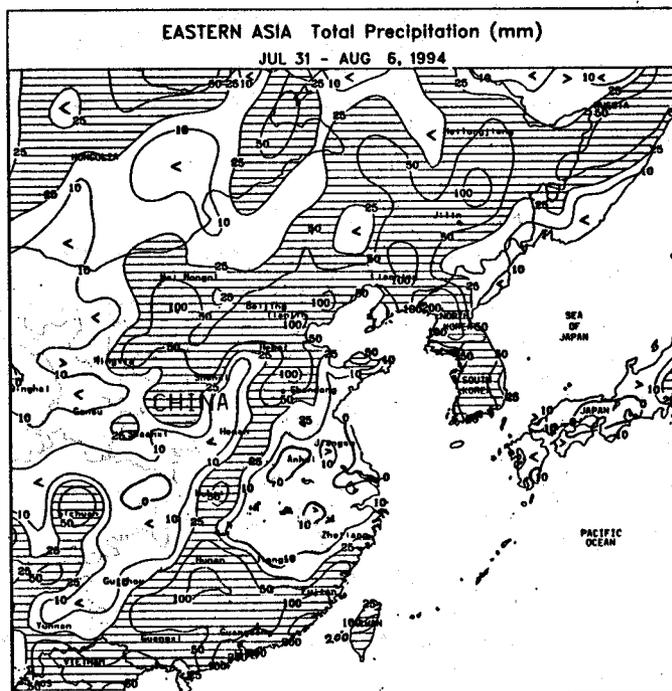


**SOUTH ASIA:** Heavy showers (50-100 mm or more) continued across central India, increasing moisture for grains, oilseeds, and cotton but causing additional flooding. The heaviest rain (150-200 mm or more) was concentrated over the heart of the soybean belt (Madhya Pradesh), possibly waterlogging some plants. Sunnier weather is needed across central India for crop growth, and to reduce the threat of disease and pests. Elsewhere, heavy rain (50-204 mm) fell throughout eastern rice areas, likely causing additional flooding. More moderate rain (14-93 mm) covered northern India and Pakistan, benefiting grain, cotton, and sugarcane. Farther south, seasonably heavy showers (100-320 mm) continued along the southwest coast, but dry weather engulfed the southern interior. More rain is needed in the south for crops advancing through reproduction, especially in important coarse grain, cotton, and groundnut areas of Maharashtra and northern Karnataka that have been trending dry for much of the early monsoon season.

**EASTERN ASIA:** Tropical Storm Caitlin moved across Taiwan into southeast China (western Fujian) on August 3 and 4, producing heavy rains and moderate sustained winds of 35-45 knots (40-52 mph). Weekly rainfall totals ranged from 100 to 400 mm across Taiwan, causing flooding. Late in the week, Typhoon Doug approached Taiwan, threatening to bring high winds and additional rainfall. On the mainland, moderate to heavy rain (30-100 mm) was common across most of Fujian, Guangdong, Guangxi, and Hunan, causing some additional flooding. The heaviest rain (200-350 mm) was confined to the coastal sections of the region. Only scattered light rain (2-13 mm) fell across east-central China, which is becoming dry. Moderate showers (15-75 mm) fell across the main crop areas of the North China Plain (western Shandong, southern Hebei, and eastern Henan), aiding reproductive to filling summer crops. However, the remainder of the region received only light rain (less than 15 mm). Widespread showers (25-80 mm) covered a large area of northern China (Nei Mongol, Shanxi, and northern Hebei) and Manchuria, boosting reservoirs and aiding reproductive summer crops. Temperatures averaged 2-4 degrees C above normal across central and northern China. Tropical Storm Brendan hit South Korea on August 1 with sustained winds of 40-50 knots (46-58 mph) and produced widespread beneficial rain (20-80 mm, with isolated amounts greater than 100 mm). The remnants of Brendan then moved across northern Japan, bringing moderate showers (15-70 mm) to western Hokkaido and northern Honshu. However, the remainder of Japan received highly scattered showers (5-50 mm). Temperatures averaged 2-4 degrees C above normal across South Korea and 3-5 degrees C above normal across Japan.



**SOUTHEAST ASIA:** Shower activity increased throughout Indochina, bringing needed rain (15-50 mm or more) to most rainfed rice and corn areas of central Thailand. Heavy rain (50-183 mm) covered much of northern and eastern Thailand, as well as primary rice areas in northern and southern Vietnam. Farther south, heavy showers also fell over peninsular Thailand and eastern Malaysia. However, rainfall was spotty in western Malaysia, with many oil palm areas receiving less than 10 mm. Widely scattered, light rain (5-19 mm) across southern Indonesia provided little relief to Java's secondary grains. In the Philippines, inundating rains (100-240 mm) covered northern rice areas when Typhoon Doug brushed northern Luzon on its way to Taiwan. The rain caused additional flooding along Luzon's west coast. Rainfall was considerably lighter elsewhere, with only local areas reporting more than 25 mm.

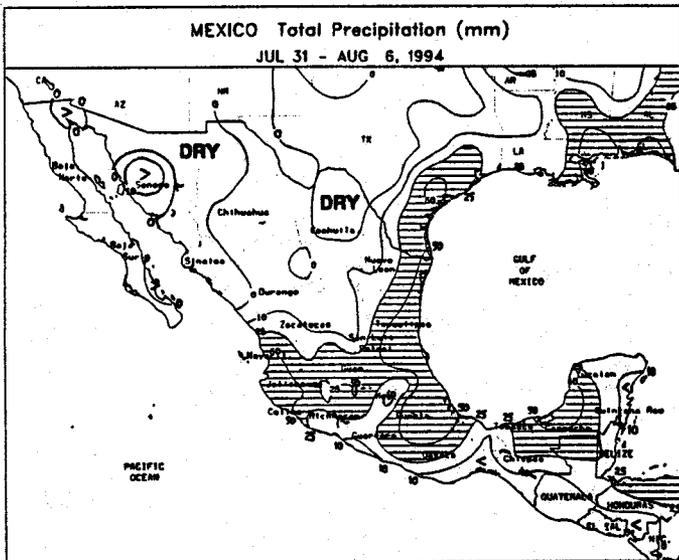


The Weekly Weather and Crop Bulletin is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44- USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

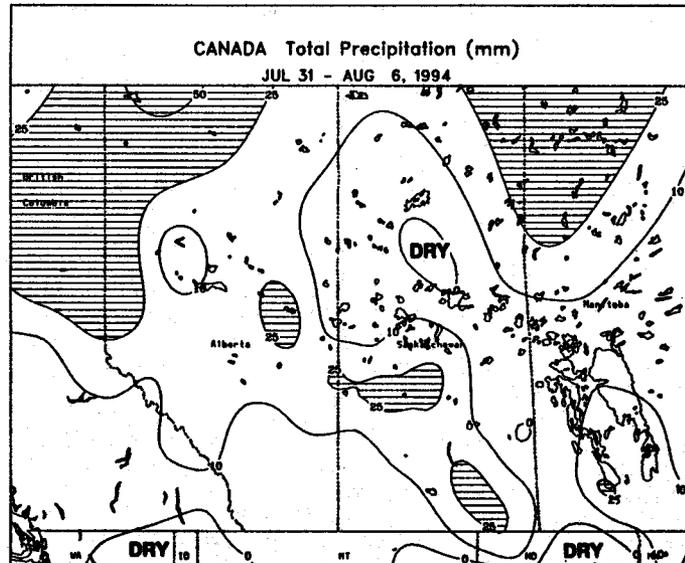
Annual subscriptions: domestic first class \$45, foreign \$55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to Weekly Weather and Crop Bulletin, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. Order subscriptions from the office and address listed above. First class postage paid at Washington, DC, and additional mailing offices.

**U.S. DEPARTMENT OF COMMERCE**  
 National Oceanic and Atmospheric Administration  
 National Weather Service/Climate Analysis Center  
 Acting Managing Editor . . . *David Miskus* (202) 720-7919  
 Editor . . . . . *Brad Rippey* (202) 720-1444  
 Meteorologists *David Secora, Jeff Savadel, and Brian Morris*  
 Subscriptions . . . . . *Joyce Houston* (202) 720-7917

**U.S. DEPARTMENT OF AGRICULTURE**  
 Economics Management Staff  
 E.M.S. Editor . . . . . *Sharon Lee*  
 National Agricultural Statistics Service  
 Agricultural Statistician . . *Greg Preston* (202) 720-7621  
 State Summaries Editor . . . *Klara Haskins* (202) 720-8033  
 World Agricultural Outlook Board  
 Agricultural Weather Analysts . . *Ray Motha* (202) 720-9805  
*Tom Puterbaugh, Mark Brusberg, and Bob Stefanski*



**MEXICO:** Widespread showers (10-60 mm) covered the Southern Plateau corn belt, benefiting corn and sorghum. This was the first significant rain in about 5 weeks. Moderate to heavy showers (30-90 mm) favored coffee, citrus, and sugarcane across the eastern coastal plain (Veracruz and Tamaulipas). Cooler weather (near- to slightly below-normal temperatures) prevailed across the northeast and main corn belt, while hot weather (1-3 degrees C above normal) remained across the northwest.



**CANADA:** Mostly dry, warmer-than-normal weather dominated the Prairies. In the southwest, periodic outbreaks of hot weather (highs of 31-34 degrees C) increased evapotranspiration rates and caused additional stress on reproductive to filling grains and oilseeds. Late-week showers (10-29 mm), while missing the driest areas, benefited crops in northern Saskatchewan and western Manitoba. Farther east, light to moderate rain (10-53 mm) and slightly below-normal temperatures benefited summer crops across Ontario and Quebec.

**WEEKLY NEWS BULLETIN  
 FIRST CLASS**

NOAA/USDA Joint Agricultural  
 Weather Facility  
 USDA South Building, Room 5844  
 Washington, DC 20250

FIRST CLASS MAIL  
 POSTAGE & FEES PAID  
 NOAA  
 PERMIT NO. G-19

OFFICIAL BUSINESS  
 PENALTY FOR PRIVATE USE, \$300