

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

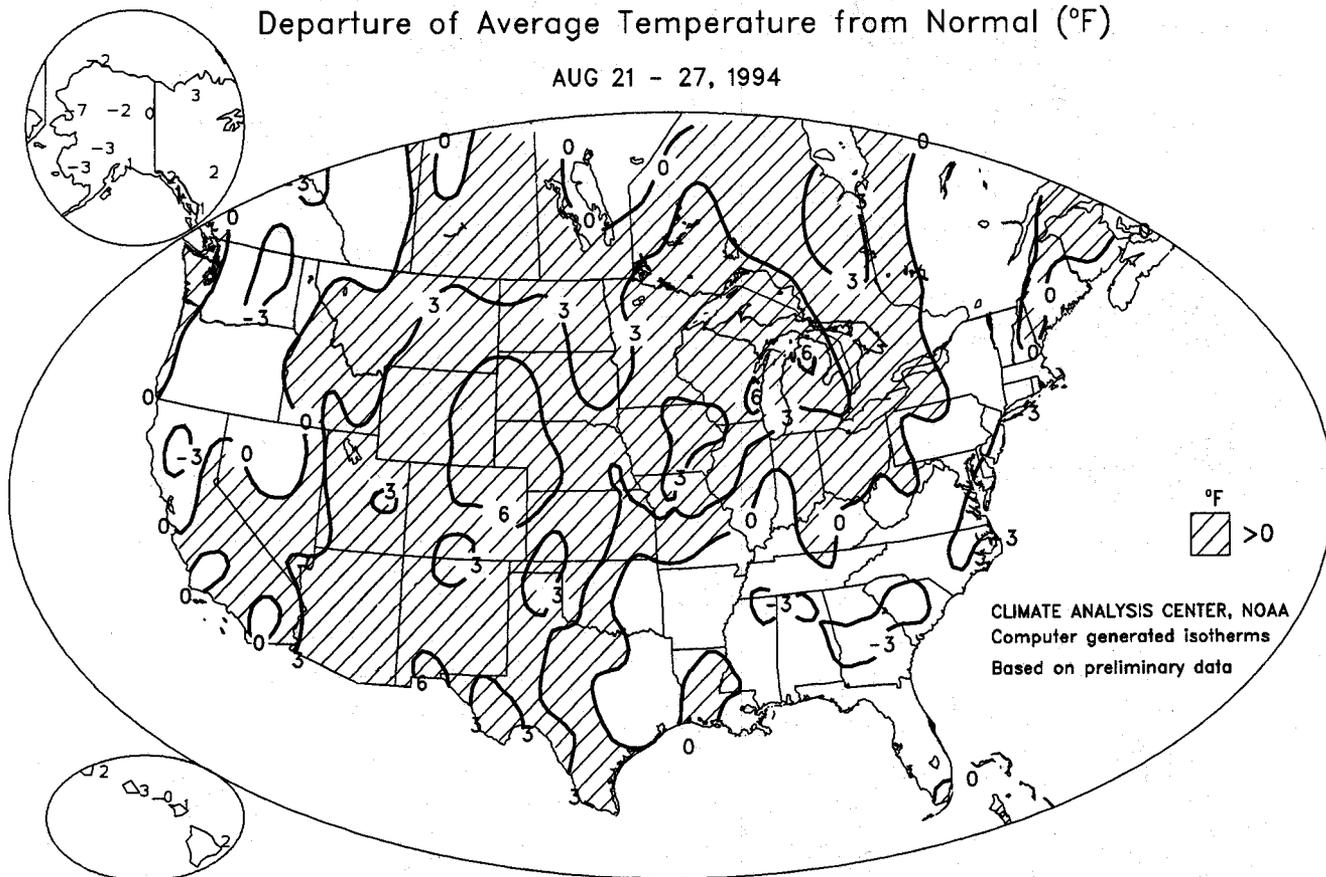
Volume 81, No. 35

Washington, D.C.

August 30, 1994

Departure of Average Temperature from Normal (°F)

AUG 21 - 27, 1994



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

HIGHLIGHTS

August 21 - 27, 1994

Cooler weather overtook the Northwest, while extreme heat spread into the High Plains. Cool, favorably dry weather blanketed the East after early-week rainfall, except across Peninsular Florida, where showers persisted. Dryness intensified across the southern Corn Belt, where late-week highs climbed into the lower to middle 90's. Towards week's end, cool air spilled into the North-Central States, fueling locally heavy rainfall and severe weather from the western Great Lakes States southwestward into east-central Kansas.

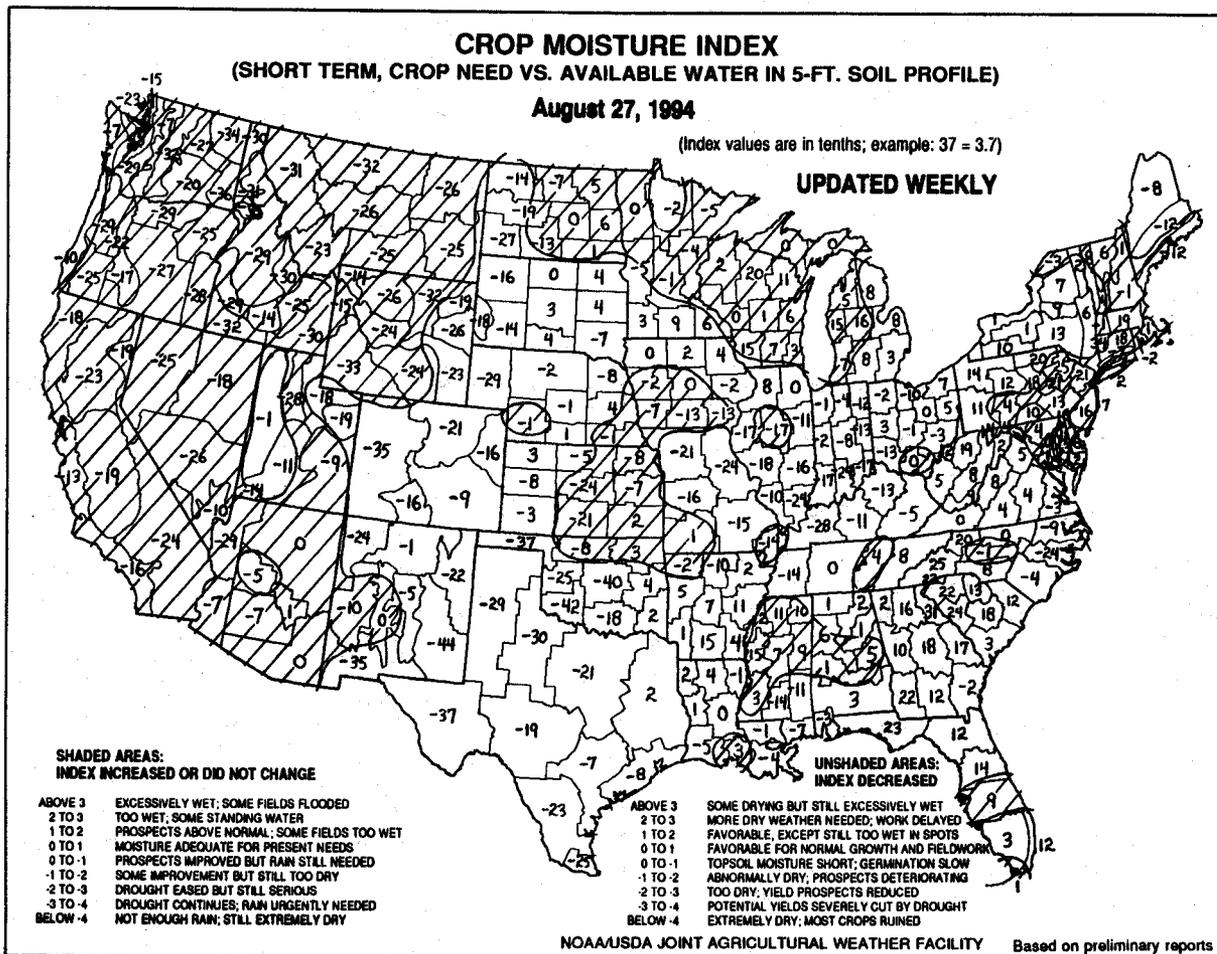
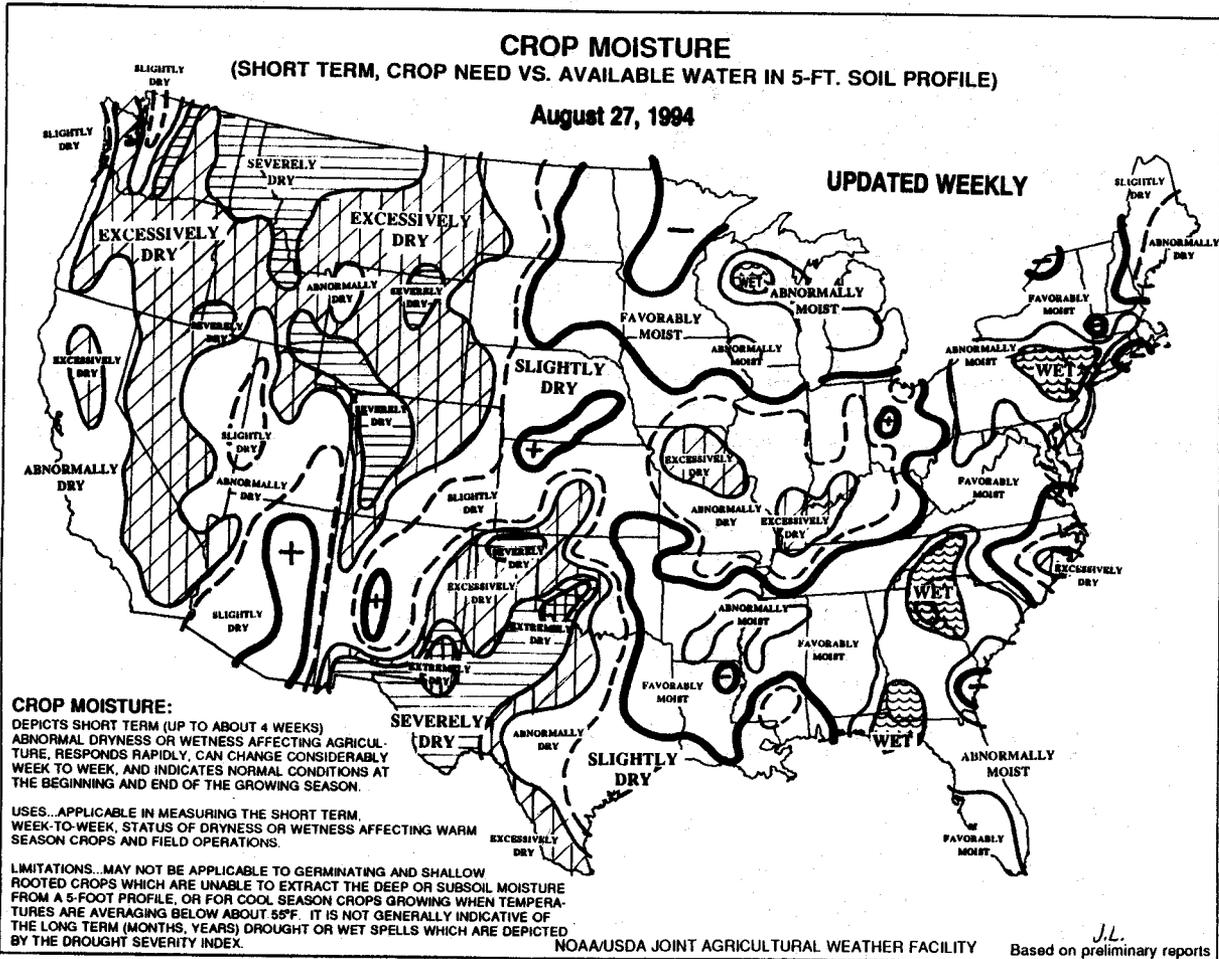
Early in the week, heavy rain lingered in the Northeast as a cold front pushed slowly offshore. Rainfall included 3.14 inches in Allentown, PA, 2.24 inches in Providence, RI, and 2.18 inches in Boston, MA. Over an

(Continued to p. 10)

Contents

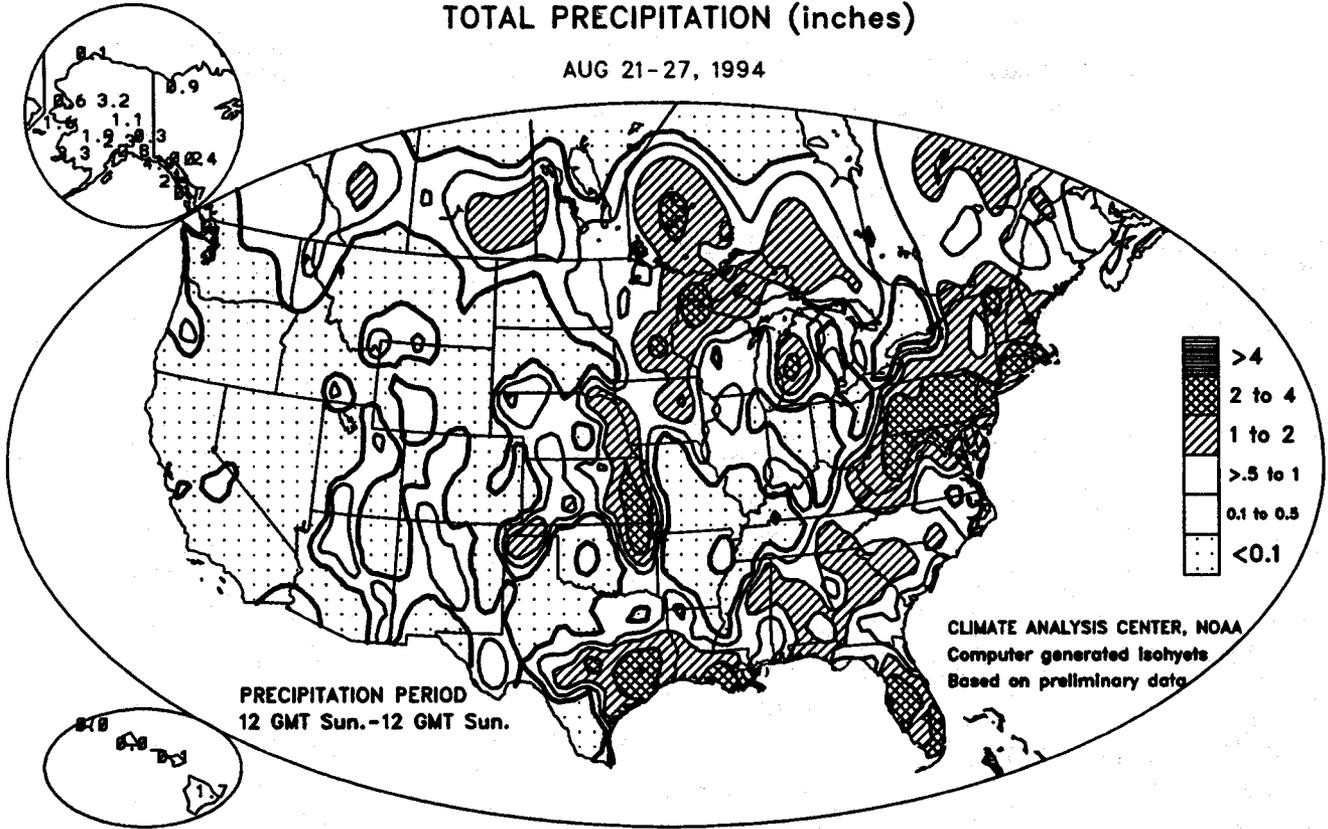
Page

Highlights & Temperature Departure Map	1
Crop Moisture Maps	2
Total Precipitation & Extreme Maximum Temperature Maps	3
Growing Degree Day Table	4
National Weather Data for Selected Cities	5
National Agricultural Summary	8
Crop Progress and Condition Tables	9
State Summaries of Weather and Agriculture	11
International Weather and Crop Summary	16
Subscription and Mailing Permit Information & U.S. Autumn Weather Outlook	20



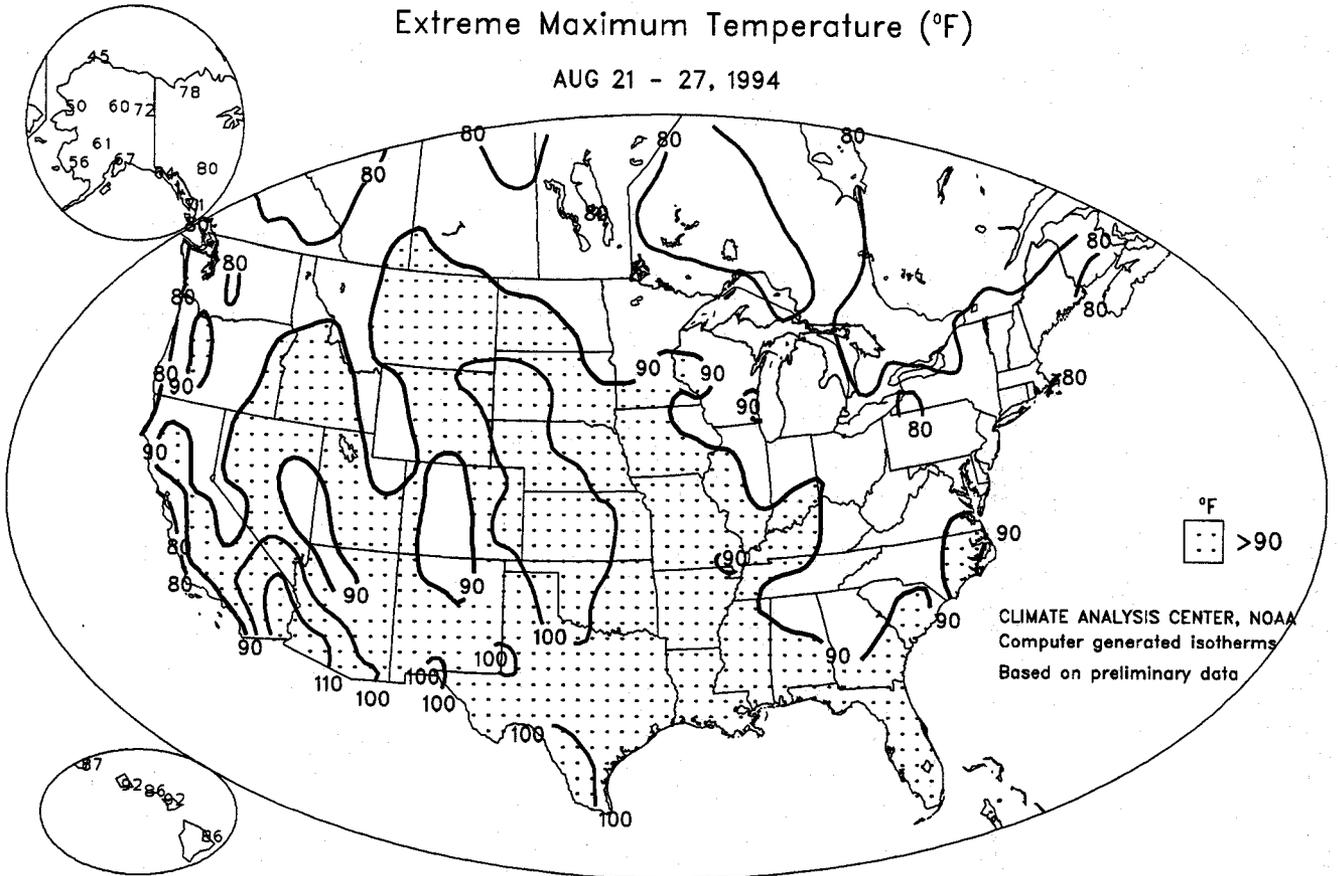
TOTAL PRECIPITATION (inches)

AUG 21-27, 1994



Extreme Maximum Temperature (°F)

AUG 21 - 27, 1994



CUMULATIVE GROWING DEGREE DAYS (CORN) March 1 - August 27, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ANNISTON	3773	+ 204	RUSSELL	3243	+ 299	YOUNGSTOWN	2237	+ 125
AL BIRMINGHAM	3766	+ 126	SALINA	3292	+ 232	ZANESVILLE	2524	+ 65
AL MOBILE	4218	+ 39	TOPEKA/BILLARD	3162	+ 162	OK ALFUS	3854	+ 118
AL MONTGOMERY	4095	+ 350	WICHITA	3364	+ 144	GAGE	3431	+ 166
AL MUSCLE SHOALS	3658	+ 169	KY LEXINGTON	2957	+ 63	HOBART	3677	+ 133
AL OZARK	4071	+ 154	BOWLING GREEN	3211	+ 67	MCALESTER	3717	+ 85
AL TUSCALOOSA	3882	+ 102	PAIDUCAH	3312	+ 58	PONCA CITY	3681	+ 276
AZ DOUGLAS	3700	+ 336	LA LAFAYETTE	4368	+ 147	TULSA	3625	+ 46
AZ FLAGSTAFF	LAKE CHARLES	4462	+ 206	OR BAKER	2054	+ 321
AZ PHOENIX	4852	+ 522	MCMENOS	4203	+ 274	EGGERS	2090	+ 285
AZ TUCSON	4386	+ 440	NEW ORLEANS	4362	+ 117	NORTH BRND	1330	+ 277
AZ YUMA	5118	+ 598	SHREVEPORT	4103	+ 229	PENDLETON	2467	+ 250
AR PRESOTT	2986	+ 558	ME AUGUSTA	1926	+ 152	REDMOND	1955	+ 208
AR EL DORADO	3878	+ 119	ME CARIBOU	1591	+ 223	PORTLAND	2321	+ 473
AR FAYETTEVILLE	3286	+ 145	ME HOULTON	1669	+ 168	SALEM	2187	+ 410
AR FORT SMITH	3803	+ 240	ME PORTLAND	1922	+ 265	SEKTON SUMMIT	1404	+ 57
AR JONESBORO	3590	+ 36	MD BALISBURY	3122	+ 303	PA ALLENTOWN	2743	+ 332
AR LITTLE ROCK	3802	+ 194	MA WORCESTER	2062	+ 164	PHILADELPHIA	3188	+ 637
AR TERARKAMA	3963	+ 78	MI GRAND RAPIDS	2199	---	WILLIAMSPORT	2552	+ 238
CA BAKERSFIELD	3715	+ 109	MI JACKSON	2217	+ 17	SC BEAUFORT	4285	+ 343
CA BLUE CANYON	1903	+ 246	MI LANSING	2142	- 77	CHARLESTON	4170	+ 323
CA DAGGOTT	4233	+ 386	MI MURKINSON	1944	- 28	COLUMBIA	3978	+ 255
CA FUREKA	1233	+ 495	MI PELLSTON	1721	+ 131	FLORENCE	3993	+ 282
CA FAIRFIELD	2868	+ 271	MI SAULT STE. MARIE	1358	+ 24	SUMNER/SHAW AFB	3843	+ 118
CA FRESNO	3581	+ 395	MI TRAVERSE CITY	1956	+ 125	SD ABERDEEN	2333	+ 296
CA MARYSVILLE	3340	+ 289	MN DULUTH	1579	+ 171	HURON	2329	+ 69
CA MT SHASTA	2075	+ 261	MN INT'L FALLS	1686	+ 130	PIERRE	2565	+ 304
CA PASO ROBLES	2859	+ 264	MN MINNEAPOLIS	2284	---	RAPID CITY	2490	+ 382
CA RED BLUFF	3276	+ 69	MN ROCHESTER	2068	---	STOIX FALLS	2538	+ 227
CA RIVERSIDE	3204	+ 156	MI ALEXANDRIA	2044	+ 119	WATERLOO	2082	+ 82
CA SANTA ANA	3465	+ 560	MS BILOXI	4431	+ 164	TN BRISTOL	3014	+ 117
CA SAN DIEGO	2874	+ 131	MS COLUMBUS	4108	+ 456	CHATTANOOGA	3545	+ 201
CA SACRAMENTO	2988	+ 195	MS JACKSON	3922	+ 166	CROSSVILLE	3022	+ 409
CA THERMAL	4374	- 12	MS MERIDIAN	4112	+ 308	MEMPHIS	3959	+ 255
CO ALAMOSA	1857	+ 111	MS GREENWOOD	4028	+ 202	NASHVILLE	3465	+ 92
CO DENVER	2811	+ 510	MO COLUMBIA	2980	+ 123	ABILENE	4026	+ 107
CO EAGLE	2030	+ 175	MO JOPLIN	3368	+ 104	AMARILLO	3201	+ 92
CO GRAND JUNCTION	3197	+ 389	MO SPRINGFIELD	3231	+ 189	AUSTIN	4453	+ 190
CO LA JUNTA	3107	+ 250	MO VICHY	3122	+ 103	BROWNSVILLE	4934	+ 90
DE DOVER	2884	- 19	MT BELLENA	2104	+ 425	COLLEGE STATION	4373	+ 175
DE WILMINGTON	3013	+ 320	MT KALISPELL	1799	+ 131	DALHART	3170	+ 240
FL DAYTONA BEACH	4500	+ 195	MT MILLS CITY	2521	+ 335	DEL RIO	4660	+ 395
FL FORT MYERS	4974	+ 313	ME GRAND ISLAND	2787	+ 176	DALLAS/FT NORTH	4183	+ 220
FL GAINESVILLE	4273	+ 8	ME NORFOLK	2776	+ 259	GALVESTON	4827	+ 328
FL JACKSONVILLE	4336	+ 150	ME NORTH PLATTE	2684	+ 306	HOUSTON/INTCNL	4540	+ 375
FL FORT LAUDERDALE	5408	+ 604	VA VALENTINE	2534	+ 95	KINGSVILLE/WAS	4793	+ 127
FL MIAMI	5307	+ 338	SC COTTLEBLUFF	2653	+ 366	LAREDO	4982	+ 204
FL MILTON	4248	+ 222	NY SIDNEY	2587	+ 479	LABOCK	3713	+ 296
FL PENSACOLA	4339	+ 96	NV ELKO	2154	+ 214	MCALEEN	5081	+ 363
FL ST PETERSBURG	4873	+ 98	NV ELY	2142	+ 329	MIDLAND	3919	+ 112
FL TALLAHASSEE	4245	+ 153	NV LAS VEGAS	4576	+ 649	PALACIOS	4637	+ 131
FL TAMPA	4808	+ 255	NV RENO	2645	+ 526	SAN ANTONIO	4598	+ 245
FL VERO BEACH	4773	+ 284	NV WIDENMUCCA	2502	+ 383	VICTORIA	4589	+ 233
FL W. PALM BEACH	5036	+ 274	NJ CONCORD	2196	+ 252	WACO	4218	+ 33
GA ATHENS	3713	+ 229	NJ NEWARK	3163	+ 486	WICHITA FALLS	3829	+ 24
GA AUGUSTA	3855	+ 164	NM ALBUQUERQUE	3426	+ 590	WINK	4133	+ 266
GA BROWNWICK	4348	+ 203	NM CARLSBAD	4070	+ 370	UT CERAS CITY	2743	+ 440
GA COLUMBUS/METRO	4046	+ 206	NM CLOVIS	3343	+ 320	VT BARRÉ-MONTPELIER	1854	+ 236
GA MACON	3963	+ 112	NM GALLUP	2491	+ 202	BURLINGTON	2156	+ 281
GA SAVANNAH	4304	+ 330	NM TRUTH OR CONSEQ.	3668	+ 369	VA CHARLOTTESVILLE	3208	+ 216
ID BOISE	2676	+ 433	NY ALBANY	2274	+ 156	HAMPTON/LANGLEY	3421	+ 254
ID BURLEY	2532	+ 577	NY ELMIRA	2184	+ 170	LYNCHBURG	3032	+ 140
ID IDAHO FALLS	2192	+ 416	NY GLENS FALLS	2116	+ 182	NORFOLK	3643	+ 462
ID POCATELLO	2292	+ 375	NY POUGHKEEPSIE	2497	+ 256	RICHMOND	3394	+ 264
IL BELLEVILLE	3110	+ 95	NY ROCHESTER	2208	+ 128	WA BELLINGHAM	1616	+ 341
IL CHICAGO/MIDWAY	2530	+ 28	NY SYRACUSE	2164	+ 102	HOQUIAM	1315	+ 204
IL DECATUR	2702	- 133	NY UTICA	2066	+ 141	SEATTLE-TACOMA	1925	+ 431
IL PEORIA	2771	+ 186	NC WATERLOO	1951	+ 14	SPOKANE	2088	+ 292
IL ROCKFORD	2458	+ 137	NC ASHEVILLE	2884	+ 156	TACOMA	...	---
IL SPRINGFIELD	2897	+ 101	NC FAYETTEVILLE	3768	+ 308	WALLA WALLA	2867	+ 529
IL QUINCY	2760	+ 7	NC GREENSBORO	3283	+ 127	WEAVERSEE	2680	+ 301
IN INDIANAPOLIS	2774	+ 85	NC HICKORY	3313	+ 183	YAKIMA	2435	+ 291
IN SOUTH BEND	2436	+ 124	NC RALPHIGH	3500	+ 243	WV HORTINGTON	2992	+ 275
IN TERRE HAUTE	2761	+ 31	NC WILMINGTON	3888	+ 255	MARTINSBURG	2816	+ 158
IA DES MOINES	2699	+ 39	NC NEW BERN	3752	+ 213	MORGANTOWN	2664	+ 92
IA MARION CITY	2298	- 30	MD BISMARCK	2113	+ 191	EAU CLAIRE	2201	+ 174
IA OTTUMWA	2747	+ 91	MD DICKINSON	1968	+ 154	GREEN BAY	2111	+ 228
IA STOIX CITY	2665	---	MD HANSTOWN	2039	+ 154	LACROSSE	2370	+ 105
IA WATERLOO	2488	---	MI MIMOT	1975	+ 188	MADISON	2338	+ 133
KS CHANUTE	3231	+ 74	MI GRAND FORKS	2036	+ 214	WAUSAU	2024	+ 152
KS DODGE CITY	3162	+ 163	OH AKRON-CANTON	2315	+ 49	CASPER	2499	+ 586
KS GARDEN CITY	3122	+ 170	OH COLUMBUS	2692	+ 188	LAMDER	2421	+ 541
KS GOODLAND	2775	+ 287	OH DAYTON	2692	+ 75	SHERIDAN	2286	+ 441
KS MEDICINE LODGE	3520	+ 244	OH FINDLAY	2320	- 38	WORLAND	2594	+ 561

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 27, 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	MINIMUM	90 AND ABOVE		32 AND BELOW
													90 AND ABOVE					32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	87	64	89	61	76	-3	.6	-.2	.6	15.8	130	40.9	108	95	48	0	0	1	1	
MOBILE	89	70	90	68	79	-3	.7	-.9	.6	17.5	97	39.8	89	96	53	2	0	2	1	
MONTGOMERY	89	67	94	65	78	-1	1.4	.5	1.4	19.5	136	40.3	103	93	50	4	0	1	1	
AK ANCHORAGE	63	49	67	42	56	1	.6	.5	.2	2.8	57	6.1	71	88	50	0	0	4	0	
BARROW	38	30	45	28	34	-3	.1	.1	.0	2.7	132	3.3	117	91	68	0	6	4	0	
FAIRBANKS	62	43	78	28	52	-2	1.1	.7	1.0	4.9	98	6.2	85	94	59	0	1	4	1	
JUNEAU	60	49	65	42	55	-2	1.7	.4	1.0	5.8	48	25.7	87	99	71	0	0	3	3	
KODIAK	62	50	69	44	56	-2	.3	.3	1.3	11.4	88	53.9	135	84	48	0	0	0	0	
KUSKO	49	38	56	30	43	-1	1.6	.9	1.6	9.7	172	12.5	140	92	64	0	0	1	4	
AZ PHOENIX	104	84	107	81	94	4	.2	.2	.2	13	13	2.8	63	46	20	7	7	0	0	
FRESNO	88	63	92	60	75	-2	1.1	.3	1.1	5.3	79	8.8	68	73	28	2	2	0	0	
TUCSON	102	75	104	69	88	0	1.1	.3	1.1	1.1	23	3.8	52	62	20	2	7	1	1	
TUMACACI	105	83	111	79	94	0	1.1	.1	1.1	1.1	6	.7	41	47	20	0	0	0	0	
AR FORT SMITH	89	66	93	59	78	-3	.0	.0	.0	15.8	176	37.9	142	95	47	4	4	0	0	
LITTLE ROCK	87	68	92	65	78	-3	.0	.0	.0	15.0	152	39.6	128	84	45	1	1	0	0	
CA BAKERSFIELD	98	68	101	62	81	0	.0	.0	.0	.0	5	4.2	108	65	22	0	0	0	0	
FRESNO	87	56	100	54	61	-3	.0	.0	.0	.0	76	19.5	91	91	65	0	0	0	0	
FRESNO	97	62	100	61	80	0	.0	.0	.0	.8	0	6.3	91	70	18	7	7	0	0	
LOS ANGELES	81	67	83	65	74	-3	.0	.0	.0	.0	0	6.2	79	85	50	0	0	0	0	
REDDING	93	57	95	33	75	-3	.0	.0	.0	.0	3	15.0	77	62	14	7	7	0	0	
SACRAMENTO	89	56	90	35	73	-2	.0	.0	.0	.0	0	6.7	62	90	23	2	2	0	0	
SAN DIEGO	79	68	84	66	73	-1	.0	.0	.0	.1	47	8.2	130	87	53	0	0	1	0	
SAN FRANCISCO	71	55	78	33	63	-1	.0	.0	.0	.0	25	10.7	87	89	60	0	0	0	0	
CO DENVER	95	61	98	35	78	8	.0	.3	.0	2.0	40	7.4	64	74	17	7	7	1	0	
GRAND JUNCTION	94	65	98	63	79	4	.1	.1	.0	.4	19	3.5	54	61	16	7	0	3	0	
FUERTE	93	55	99	31	74	2	.0	.4	.0	6.6	129	12.6	146	84	25	5	0	0	0	
CT BRIDGEPORT	78	62	84	54	70	-2	2.0	1.3	1.4	7.7	76	28.0	101	87	58	0	0	2	2	
HARTFORD	79	58	85	48	69	-2	1.7	.9	1.2	14.4	142	35.9	127	93	54	0	0	2	2	
DC WASHINGTON	83	65	89	59	74	-3	1.0	.1	.7	9.5	90	29.6	116	87	53	0	0	4	1	
FL PANAMA CITY	87	73	89	71	80	-1	2.1	.4	1.0	20.7	90	34.8	75	99	61	0	0	3	2	
DAYTONA BEACH	87	72	93	71	80	-1	.4	-.1	.2	20.5	122	40.3	129	99	68	1	0	2	0	
JACKSONVILLE	88	71	93	69	80	-1	.7	-.6	.4	25.5	160	39.8	122	98	64	2	0	3	0	
KEY WEST	89	77	91	73	83	-1	2.6	1.4	1.4	10.0	77	20.5	87	85	65	4	0	6	2	
MIAMI	90	76	93	74	83	0	1.1	-.7	.6	22.3	104	40.3	109	87	61	5	0	5	1	
ORLANDO	89	73	92	71	81	-2	1.4	-.1	.6	29.1	142	43.8	127	97	63	3	0	5	1	
TALLAHASSEE	90	72	92	69	81	0	.0	-.6	.0	30.9	138	61.5	130	95	51	4	0	1	0	
TAMPA	91	73	94	71	82	0	3.8	2.1	1.3	23.9	128	32.2	104	97	61	5	0	5	3	
WEST PALM BEACH	87	73	91	70	80	-3	2.8	1.3	1.4	22.0	112	46.0	122	94	66	1	0	6	3	
GA ATLANTA	86	68	91	65	77	0	.6	-.2	.6	24.3	206	44.9	126	88	51	1	0	1	1	
AUGUSTA	87	64	89	60	75	-4	.4	-.6	.4	15.8	128	32.5	100	99	50	0	0	1	0	
MACON	85	66	89	62	76	-4	1.1	.4	1.1	27.8	250	46.0	143	97	52	0	0	1	1	
SAVANNAH	90	70	92	67	80	-1	1.1	-1.6	.1	17.4	93	34.9	96	95	47	5	0	2	0	
HI HILO	85	72	86	68	79	2	1.7	-.4	1.0	35.8	149	104.1	125	93	68	0	0	5	1	
HONOLULU	91	78	92	76	85	3	.0	-.1	.0	.7	44	11.8	98	74	52	6	0	0	0	
KAHULUI	88	74	92	71	81	1	1.1	.0	.1	1.5	138	9.1	67	80	57	1	0	2	0	
LIIHOE	86	77	87	75	82	2	.0	-.4	.0	3.2	59	20.2	79	81	65	0	0	0	0	
ID BOISE	89	55	94	51	72	1	.0	-.1	.0	.3	23	5.0	65	51	15	4	0	0	0	
LEWISTON	83	57	88	54	70	-2	.0	-.2	.0	1.6	62	6.2	75	47	19	0	0	0	0	
POCATELLO	88	49	92	40	68	1	1.1	.0	.1	1.1	50	5.1	64	78	15	3	0	1	0	
IL CHICAGO	84	63	90	55	73	3	.0	-.9	.0	11.1	100	19.6	83	90	48	1	0	1	0	
MOLINE	86	63	91	53	74	3	.3	-.6	.2	13.0	101	21.6	81	94	52	2	0	2	0	
PEORIA	87	63	93	56	75	3	.8	-.1	.8	5.4	50	14.3	59	94	48	3	0	1	1	
QUINCY	87	64	95	55	76	3	.0	-.8	.0	3.0	26	12.5	48	80	41	3	0	0	0	
ROCKFORD	83	61	87	53	72	3	-.2	-.7	.2	14.4	118	23.7	97	100	61	0	0	1	0	
SPRINGFIELD	86	64	93	57	75	3	.9	-.2	.9	9.9	101	25.5	108	89	48	2	0	1	1	
IN EVANSVILLE	87	64	93	61	76	0	.0	-.7	.0	7.1	64	21.3	68	93	46	4	0	0	0	
FORT WAYNE	83	60	88	56	72	1	.0	-.7	.0	8.6	86	21.1	90	96	54	0	0	1	0	
INDIANAPOLIS	85	62	90	57	73	1	.0	-.8	.0	9.7	86	22.3	81	92	47	1	0	0	0	
SOUTH BEND	81	62	87	54	72	2	.0	-.8	.0	14.2	127	22.5	89	94	57	0	0	0	0	
IA DES MOINES	88	62	94	55	75	5	.8	-.1	.8	11.4	96	19.0	80	92	47	3	0	2	1	
SIOUX CITY	87	61	92	50	74	3	.6	-.1	.5	11.1	116	16.1	86	93	51	4	0	2	0	
WATERLOO	84	60	89	50	72	3	3.0	2.2	3.0	18.9	151	26.0	108	94	55	0	0	1	1	
KS CONCORDIA	93	66	98	53	79	4	.4	-.4	.4	8.8	78	13.0	61	88	38	5	0	1	0	
DODGE CITY	95	63	103	56	79	3	.5	-.1	.5	8.7	99	12.4	75	87	30	6	0	1	0	
GOODLAND	95	61	101	53	78	6	.2	-.2	.2	6.3	83	11.2	78	81	24	6	0	1	0	
TOPEKA	91	64	97	55	77	3	1.1	-.2	.7	8.3	66	15.0	61	96	43	5	0	2	1	
WICHITA	92	67	102	58	79	2	.0	-.8	.0	10.7	87	15.6	65	91	43	5	0	1	0	
KY BOWLING GREEN	88	63	93	59	75	0	.0	-.7	.0	12.7	106	40.3	118	100	50	4	0	1	0	
LEXINGTON	84	64	88	58	74	0	.2	-.7	.2	9.2	76	35.0	113	95	56	0	0	1	0	
LOUISVILLE	87	65	93	62	76	2	.0	-.8	.0	5.2	47	23.6	77	93	45	3	0	0	0	
LA BARON ROUGE	89	73	91	72	81	-1	.8	-.5	.7	17.9	109	45.8	109	100	60	5	0	3	1	
LAKE CHARLES	91	73	94	72	82	1	1.2	.0	.4	15.2	103	28.4	81	99	64	5	0	4	0	
NEW ORLEANS	90	72	94	70	81	0	1.7	-.3	1.7	21.5	124	36.7	86	96	49	4	0	1	1	
SHREVEPORT	91	71	93	68	81	1	.1	-.5	.1	12.6	121	34.4	106	95	57	6	0	2	0	

Based on 1961-90 normals.

Weather Data for the Week Ending August 27, 1994

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT	NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE		
ME CARIBOU	73	52	80	40	62	1								88	48	0	0	2	0	0	0
ME PORTLAND	74	55	82	48	65	-1	.4	.5	11.9	114	27.4	120	88	48	0	0	2	0	0	0	0
MD BALTIMORE	83	63	88	56	73	-3	1.0	.5	5.7	64	26.9	99	99	62	0	0	4	2	0	0	0
MD SALISBURY	82	59	87	50	71	-3	.3	.3	10.6	99	33.5	123	90	54	0	0	1	4	0	0	0
MA BOSTON	79	62	89	59	71	0	2.3	1.4	7.6	60	29.7	97	97	53	0	0	2	2	0	0	0
MA CHATAM	73	60	77	55	66	0	1.3	1.2	9.7	111	33.0	124	87	57	0	0	2	2	0	0	0
MI ALPENA	79	58	86	50	69	5	.9	.1	6.3	69	32.1	114	90	75	0	0	2	1	1	1	1
MI DETROIT	83	64	89	59	73	4	.9	.7	13.7	153	22.2	117	98	60	0	0	3	3	1	1	1
MI FLINT	81	59	87	53	70	3	.1	.7	10.3	105	22.0	101	92	56	0	0	1	1	0	0	0
MI GRAND RAPIDS	82	61	87	55	71	3	1.3	.5	13.0	145	23.1	120	97	55	0	0	1	1	0	0	0
MI HOGGTON LAKE	82	59	88	51	71	7	.6	.2	22.0	222	33.8	151	96	57	0	0	2	0	0	0	0
MI LANSING	81	59	86	52	70	3	.9	.9	12.2	143	21.3	118	93	54	0	0	2	0	0	0	0
MI MARQUETTE	78	55	88	50	66	5	1.6	.8	13.8	154	23.5	119	97	57	0	0	2	0	0	0	0
MI MUSKEGON	80	60	88	51	70	3	.9	.1	6.2	67	15.2	70	94	53	0	0	3	1	1	1	1
MI SAULT ST. MARIE	73	54	82	49	64	2	.3	.0	11.8	160	22.2	115	95	61	0	0	2	1	1	1	1
MN ALEXANDRIA	81	58	85	51	70	3	.9	.2	9.8	109	19.8	96	98	47	0	0	3	0	0	0	0
MN DULUTH	78	57	83	53	68	5	2.0	1.1	5.6	55	11.7	64	96	46	0	0	2	0	0	0	0
MN INT'L FALLS	77	55	84	48	66	4	.2	.5	10.1	93	19.7	98	92	50	0	0	3	2	0	0	0
MN MINNEAPOLIS	85	61	93	52	73	4	1.0	.2	109	15.6	93	95	53	0	0	3	3	0	0	0	0
MN ROCHESTER	81	59	88	51	70	3	1.2	.4	9.7	90	17.9	88	90	46	2	0	2	1	1	1	1
MS GREENWOOD	92	67	94	62	79	-1	.1	.5	13.0	115	23.4	113	95	56	0	0	2	1	1	1	1
MS JACKSON	88	67	92	64	78	-2	.5	.2	12.2	113	31.7	87	94	41	6	0	1	0	0	0	0
MS MERIDIAN	91	67	94	63	79	-1	.4	.3	16.7	164	43.4	116	94	46	3	0	1	0	0	0	0
MO CAPE GIRARDEAU	86	63	91	58	75	-1	.0	.8	18.2	152	48.6	124	92	45	5	0	1	0	0	0	0
MO COLUMBIA	90	64	97	56	77	3	.0	.7	9.9	99	28.6	93	95	48	2	0	0	0	0	0	0
MO KANSAS CITY	90	65	96	56	78	3	.3	.7	4.7	46	23.1	92	92	42	5	0	0	0	0	0	0
MO SAINT LOUIS	88	69	95	61	78	2	.0	.6	7.2	57	17.8	70	89	43	4	0	1	0	0	0	0
MO SPRINGFIELD	86	65	92	56	75	0	0	.0	6.0	60	22.9	92	83	44	3	0	0	0	0	0	0
MT BILLINGS	89	57	98	54	73	4	0	0	11.3	97	32.6	117	90	45	2	0	1	0	0	0	0
MT GLASGOW	86	58	93	50	72	4	0	0	4.1	107	8.8	81	52	18	4	0	2	0	0	0	0
MT GREAT FALLS	80	50	92	43	65	0	0	0	3.6	73	7.4	87	86	25	2	0	0	0	0	0	0
MT HAVRE	83	53	95	47	68	2	0	0	2.8	57	7.8	68	88	25	1	0	1	0	0	0	0
MT HELENA	85	49	91	42	67	2	.1	.2	4.5	106	5.4	64	88	28	1	0	0	0	0	0	0
MT KALISPELL	77	46	86	39	61	0	0	0	1.9	48	5.6	64	89	23	2	0	2	0	0	0	0
MT MILLS CITY	91	59	98	52	75	5	.4	.1	2.2	48	7.1	63	93	28	0	0	0	0	0	0	0
MT MISSOULA	85	48	91	45	67	2	.1	.2	4.0	6.2	59	75	22	4	0	2	0	0	0	0	0
NE GRAND ISLAND	91	62	99	52	76	4	0	0	2.7	72	8.8	92	91	20	1	0	1	0	0	0	0
NE LINCOLN	89	62	95	49	75	2	1.0	.2	10.4	114	16.2	87	91	47	4	0	0	0	0	0	0
NE NORFOLK	89	61	96	50	75	4	.5	.0	11.4	114	15.9	79	97	47	3	0	1	1	1	1	1
NE NORTH PLATTE	94	58	101	52	76	6	.1	.2	17.6	178	22.3	117	89	49	5	0	2	0	0	0	0
NE OMAHA	90	63	96	51	77	4	.4	.4	10.5	132	14.0	91	92	31	6	0	4	0	0	0	0
NE SCOTTSBLUFF	95	56	102	53	76	6	0	0	14.8	145	20.1	96	93	48	4	0	1	0	0	0	0
NE VALENTINE	93	59	98	53	76	5	.1	.5	5.7	101	10.9	90	81	16	6	0	0	0	0	0	0
NV ELI	85	48	88	40	67	3	.1	.1	8.9	97	12.9	75	74	24	7	0	1	0	0	0	0
NV LAS VEGAS	103	78	105	73	91	3	0	0	.6	25	6.0	88	81	12	4	0	0	0	0	0	0
NV RENO	90	52	92	49	71	3	0	0	.2	21	.9	31	34	10	7	0	0	0	0	0	0
NV WINDHECCA	90	42	93	38	66	-1	.0	.1	.1	9	3.2	65	81	12	4	0	0	0	0	0	0
NH CONCORD	79	53	86	43	66	0	.5	.2	.4	26	4.8	88	89	8	6	0	0	0	0	0	0
NJ ATLANTIC CITY	78	58	86	49	68	-4	.8	.1	8.7	94	24.8	107	97	52	0	0	2	0	0	0	0
NM ALBUQUERQUE	92	65	96	62	78	4	.3	.0	10.2	101	32.6	120	96	61	0	0	3	0	0	0	0
NM CLOVIS	94	65	99	61	79	6	0	0	3.6	105	6.4	110	70	25	6	0	2	0	0	0	0
NM CROWLEY	96	69	100	65	82	5	0	0	3.9	47	8.4	68	74	24	6	0	0	0	0	0	0
NM ROSWELL	96	69	100	65	82	5	.1	.6	.4	7	5.3	65	65	23	6	0	1	0	0	0	0
NY ALBANY	76	56	83	46	66	-2	.7	.1	11.5	117	27.6	116	96	60	0	0	2	1	1	1	1
NY BINGHAMTON	73	55	78	45	64	-2	.4	.4	16.1	161	32.1	133	97	65	0	0	2	0	0	0	0
NY BUFFALO	77	60	82	50	69	1	.9	.1	10.0	98	24.5	102	91	53	0	0	2	1	1	1	1
NY NEW YORK	81	64	90	58	73	-2	2.8	2.0	12.3	113	33.0	118	84	54	1	0	2	1	1	1	1
NY ROCHESTER	79	59	82	51	69	2	.8	.1	6.8	78	19.5	95	93	52	0	0	2	1	1	1	1
NY SYRACUSE	77	57	82	47	67	0	1.3	.5	8.9	89	28.3	115	97	57	0	0	2	1	1	1	1
NC ASHEVILLE	78	59	83	54	69	-3	.2	.2	18.7	126	41.7	110	98	61	0	0	1	0	0	0	0
NC CHARLOTTE	85	66	88	65	76	-2	.8	.0	13.0	122	27.9	96	92	53	0	0	2	1	1	1	1
NC GREENSBORO	83	63	87	61	73	-2	.3	.5	13.1	112	27.5	95	97	58	0	0	3	0	0	0	0
NC HATTERAS	83	70	87	61	76	-2	.1	.3	15.8	110	39.2	110	84	58	0	0	1	0	0	0	0
NC NEW BERN	86	65	92	59	76	-2	.2	.1	9.2	51	26.2	68	95	49	1	0	3	0	0	0	0
NC RALEIGH	85	63	89	59	74	-2	.3	.6	10.4	92	26.5	92	96	57	0	0	1	0	0	0	0
NC WILMINGTON	87	66	91	59	77	-1	.4	.2	12.8	71	34.8	90	97	49	1	0	2	0	0	0	0
ND BISMARCK	87	54	94	48	71	4	.1	.2	5.4	84	8.7	73	95	35	3	0	2	0	0	0	0
ND FARGO	80	57	88	51	69	2	.7	.1	10.9	142	16.5	117	93	47	0	0	2	0	0	0	0
ND GRAND FORKS	81	57	89	51	69	4	.8	.3	12.2	159	16.3	124	93	48	0	0	2	1	1	1	1
ND WILLISTON	84	55	90	47	69	3	.2	.1	6.0	109	12.1	117	90	32	1	0	2	0	0	0	0
OH AKRON-CANTON	80	61	84	55	71	1	.2	.5	13.2	130	31.2	126	91	52	0	0	2	0	0	0	0
OH CINCINNATI	83	64	88	60	73	1	.1	.6	12.8	116	28.4	100	96	53	0	0	1	0	0	0	0
OH CLEVELAND	80	62	86	54	71	2	0	0	10.1	100	20.2	84	93	58	0	0	1	0	0	0	0
OH COLUMBUS	84	62	88	57	73	4	.2	.6	9.8	92	22.4	88	98	53	0	0	1	0	0	0	0
OH DAYTON	85	62	90	59	74	2	0	0	9.2	90	24.4	97	90	47	2	0	0	0	0	0	0

Based on 1961-90 normals.

Weather Data for the Week Ending August 27, 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 Jan 1	PCT. NORMAL SINCE Jan 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																		TEMP. °F	PRECIP.		
TOLEDO	81	59	88	54	70	1	0.0	0.7	8.7	88	21.4	98	97	60	0	0	0	0	0	0	
YOUNGSTOWN	80	57	84	48	69	1	0.0	0.7	10.9	100	26.9	108	96	56	0	0	0	0	0	0	
OK OKLAHOMA CITY	93	67	98	59	80	0	0.0	0.0	4.0	40	16.0	71	90	57	0	0	0	0	0	0	
TULSA	89	67	93	62	78	0	1.1	1.1	18.5	183	34.1	129	95	51	0	0	0	1	1	1	
OR ASTORIA	69	52	73	48	61	1	0.0	0.0	4.6	98	36.1	98	99	59	0	0	0	0	0	0	
BURNS	84	41	87	37	62	0	0.0	0.0	5	27	2.9	47	58	20	0	0	0	0	0	0	
MEDFORD	90	53	93	51	71	0	0.0	0.0	3	26	5.1	52	86	26	0	0	0	0	0	0	
PENDLETON	81	54	87	51	68	0	0.0	0.0	1.2	80	8.0	109	56	23	0	0	0	0	0	0	
PORTLAND	81	56	93	51	69	0	0.0	0.0	1.8	61	14.6	72	82	31	1	1	1	1	1	1	
SALEM	82	51	91	47	66	0	0.0	0.0	1.2	48	16.0	75	87	29	0	0	0	0	0	0	
PA ALLENTOWN	80	59	88	50	70	0	3.1	2.2	17.0	147	37.3	130	96	61	0	0	0	0	0	0	
ERIE	78	62	83	55	70	1	0.6	0.4	13.4	122	27.2	108	91	58	0	0	0	0	0	0	
HARRISBURG	80	63	86	52	71	0	2.1	1.4	14.7	137	35.5	132	93	55	0	0	0	0	0	0	
PHILADELPHIA	82	65	89	59	73	1	1.8	0.9	16.6	136	37.2	122	89	51	0	0	0	0	0	0	
PITTSBURGH	81	61	85	52	71	1	1.4	0.7	12.8	125	30.2	119	87	51	0	0	0	0	0	0	
SCRANTON	76	56	82	48	66	0	1.7	1.0	12.8	120	28.7	119	99	62	0	0	0	0	0	0	
RI PROVIDENCE	77	58	84	51	68	0	2.2	1.4	10.2	105	30.1	103	93	59	0	0	0	0	0	0	
SC CHARLESTON	87	67	91	61	77	0	0.7	0.9	25.2	128	40.9	109	93	49	0	0	0	0	0	0	
COLUMBIA	88	64	92	57	76	0	0.5	0.8	20.0	127	35.0	97	94	48	0	0	0	0	0	0	
FLORENCE	88	66	91	61	77	0	0.2	0.3	13.6	95	28.8	91	97	47	0	0	0	0	0	0	
GREENVILLE	84	64	86	61	74	0	0.4	0.5	22.4	174	38.6	110	96	55	0	0	0	0	0	0	
SD ABERDEEN	82	56	87	49	69	1	0.3	0.3	10.3	112	14.5	90	93	50	0	0	0	0	0	0	
KURON	87	58	93	47	72	0	0.3	0.4	9.2	119	15.6	101	89	45	0	0	0	0	0	0	
RAPID CITY	95	59	103	53	77	0	0.8	0.4	1.9	28	6.0	46	67	16	0	0	0	0	0	0	
SIOUX FALLS	87	61	94	49	74	4	0.1	0.6	10.3	121	16.7	99	88	47	0	0	0	0	0	0	
TN CHATTANOOGA	86	65	89	61	75	0	0.6	0.2	24.1	211	58.0	162	99	56	0	0	0	0	0	0	
KNOXVILLE	84	64	88	60	74	0	0.6	0.0	16.0	140	54.6	168	99	56	0	0	0	0	0	0	
MEMPHIS	88	67	91	64	78	0	0.0	0.8	11.0	106	34.8	101	90	45	0	0	0	0	0	0	
NASHVILLE	86	66	90	63	76	0	0.3	0.5	15.7	148	43.3	135	93	46	0	0	0	0	0	0	
TX ABILENE	92	71	94	70	81	0	0.4	0.3	1.0	14	15.4	98	93	35	0	0	0	0	0	0	
AMARILLO	93	63	98	55	78	0	0.5	0.3	8.2	89	13.0	89	77	30	0	0	0	0	0	0	
AUSTIN	91	74	94	72	82	0	0.2	0.3	9.0	121	19.7	96	94	51	0	0	0	0	0	0	
BEAUMONT	90	73	94	72	82	0	1.3	0.0	18.5	119	44.8	124	100	61	0	0	0	0	0	0	
BROWNSVILLE	93	76	95	73	84	0	0.2	0.6	6.8	99	13.1	90	93	53	0	0	0	0	0	0	
CORPUS CHRISTI	95	76	97	73	85	1	0.1	0.8	4.3	51	16.0	88	92	50	0	0	0	0	0	0	
DEL RIO	98	76	100	74	87	4	0.0	0.6	5.6	80	15.2	94	84	41	0	0	0	0	0	0	
EL PASO	100	73	103	69	86	7	0.0	0.4	9	24	3.0	57	52	17	0	0	0	0	0	0	
FORT WORTH	95	73	98	67	84	0	0.0	0.6	7.0	96	21.5	91	95	41	0	0	0	0	0	0	
GALVESTON	89	78	92	73	84	1	1.1	0.7	7.8	64	16.9	65	86	67	0	0	0	0	0	0	
HOUSTON	90	74	94	72	82	0	0.8	0.1	10.3	74	24.7	74	99	61	0	0	0	0	0	0	
LUBBOCK	95	68	98	63	82	5	0.0	0.6	2.7	38	10.5	84	95	30	0	0	0	0	0	0	
MIDLAND	95	69	99	68	82	3	0.0	0.5	3.8	82	6.2	68	94	29	0	0	0	0	0	0	
SAN ANGELO	95	72	98	69	83	2	0.0	0.5	1.8	36	8.1	65	96	37	0	0	0	0	0	0	
SAN ANTONIO	98	76	100	75	87	3	0.0	0.6	4.2	51	20.7	104	85	39	0	0	0	0	0	0	
VICTORIA	91	75	97	74	83	1	0.7	0.2	6	96	24.9	91	94	58	0	0	0	0	0	0	
WACO	94	73	97	70	84	0	0.4	0.4	3.1	47	19.5	95	91	45	0	0	0	0	0	0	
WICHITA FALLS	98	70	102	63	84	2	0.0	0.7	0.0	5	6.6	31	84	33	0	0	0	0	0	0	
UT CEDAR CITY	89	58	91	55	73	0	0.3	0.3	0.7	23	4.5	59	56	18	0	0	0	0	0	0	
SALT LAKE CITY	94	65	99	56	79	6	0.0	0.2	0.5	20	8.2	77	69	23	0	0	0	0	0	0	
VT BURLINGTON	75	55	83	45	65	0	1.7	0.8	13.4	126	27.7	125	96	54	0	0	0	0	0	0	
VA NORFOLK	85	65	93	57	75	0	0.0	0.0	19.3	147	41.4	134	88	49	0	0	0	0	0	0	
RICHMOND	84	62	89	55	73	0	0.1	0.8	11.6	92	32.2	110	91	42	0	0	0	0	0	0	
ROANOKE	82	62	88	57	72	0	0.4	0.6	13.3	124	36.1	133	90	50	0	0	0	0	0	0	
WA QUILLAYUTE	70	49	81	46	60	1	0.2	0.4	6.6	85	55.9	94	97	64	0	0	0	0	0	0	
SEATTLE-TACOMA	76	57	88	54	66	1	0.0	0.3	1.8	57	15.7	78	91	41	0	0	0	0	0	0	
SPOKANE	77	50	80	43	64	0	0.0	0.2	1.0	37	6.2	61	93	26	0	0	0	0	0	0	
YAKIMA	82	48	85	43	65	0	0.0	0.1	6	62	4.2	91	93	27	0	0	0	0	0	0	
NV BECKLEY	75	59	79	55	67	0	0.2	0.5	2	15.8	40.2	143	94	63	0	0	0	0	0	0	
CHARLESTON	81	62	87	55	72	0	0.3	0.5	13.1	107	40.5	140	96	59	0	0	0	0	0	0	
HUNTINGTON	81	63	86	57	72	1	1.6	0.7	11.6	95	36.9	125	98	62	0	0	0	0	0	0	
PARKERSBURG	80	61	86	54	71	0	1.6	0.7	13.9	118	38.5	133	99	58	0	0	0	0	0	0	
WI GREEN BAY	83	62	89	56	72	7	0.0	0.8	11.0	116	22.4	118	91	55	0	0	0	0	0	0	
LACROSSE	84	62	91	55	73	4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	0	0	0	0	0	
MADISON	83	60	89	51	72	4	0.1	0.8	13.8	126	22.4	103	92	54	0	0	0	0	0	0	
MILWAUKEE	85	67	92	60	76	8	0.3	0.5	9.9	101	19.9	91	86	55	0	0	0	0	0	0	
WAUSAU	82	59	90	53	71	5	0.0	0.0	7.5	64	14.7	67	92	46	0	0	0	0	0	0	
WY CASPER	94	55	98	47	75	8	0.0	0.0	3.7	113	6.6	73	81	13	0	0	0	0	0	0	
CHEYENNE	90	56	92	50	73	8	0.1	0.3	4.9	86	10.5	93	84	17	0	0	0	0	0	0	
LANDER	87	57	94	48	72	5	0.0	0.1	8	30	5.2	56	40	11	0	0	0	0	0	0	
SHERIDAN	90	54	99	45	72	5	0.0	0.2	3.4	90	9.6	93	72	18	0	0	0	0	0	0	

Based on 1961-90 normals.

National Agricultural Summary

August 22 - 28, 1994

HIGHLIGHTS: Short soil moisture supplies and a lack of rain across parts of the Nation caused a decrease in all crop conditions reported except for rice. Much of the Midwest remained in serious need of rain to sustain the row crops. Dry conditions continued in the Western States, with some areas reporting over 2 months without rain. Some Western States reported that rain was needed to allow small grain planting to begin. Scattered rains in the southern Great Plains late in the week delayed harvest activity, but most producers were thankful to receive the moisture. The small grain harvest was delayed in the upper Great Plains by rain and heavy morning dew. Rains fell along the Delta and Gulf Coast and delayed some rice harvest and threatened the second cutting of some fields. Warmer weather in the Great Lakes region, combined with adequate soil moisture supplies, helped promote crop development.

SMALL GRAINS: Spring wheat harvested was 63 percent (%) complete, up 17 percentage points from last week but 1 point behind the 5-year average. The wheat harvested in Montana advanced 20 points from last week, and was 30 points ahead of the average. North Dakota's wheat harvest advanced 19 points from last week despite scattered rains, but was 11 points behind the average. The condition for spring wheat was mostly good, down slightly from last week, with 57% of the spring wheat crop rated good to excellent.

FIELD CROPS: Corn condition was mostly good, but down from last week, with 77% of the corn rated as good to excellent. Corn condition declined in Missouri again from last week, with 34% of the corn rated as good this week compared to 46% last week. Corn condition in Illinois declined from last week, with 65% of the corn rated as good to excellent this week compared to 73% last week. Corn in the dough stage for the 17 major producing States was 90%, up 13 points from last week and 16 points ahead of the average. Minnesota increased corn doughing by 38 points from last week, while Iowa was 31 points ahead of the average. Corn was 54% dented, up 21 points from last week and 15 points ahead of the average. Iowa corn dented was up 28 points from last week, 27 points ahead of the average. Illinois and Indiana were up 19 and 22 points from last week, respectively.

Cotton condition was down from last week for the 14 major producing States, with 52% of the cotton crop rated as good to excellent compared with 56% for last week. The cotton condition for New Mexico and Oklahoma dropped from last week. Bolls opening were 26% complete, up 10 points from last week and 4 points ahead of the average. Alabama and Georgia reported bolls opening at 10 and 9 points behind the average, respectively. Mississippi's cotton bolls opening were up 20 points from last week and 14 points ahead of the average. Arkansas cotton producers started defoliation, while

rains delayed cotton harvest in the Texas Blacklands. Insect pressure was reported on the increase in some Georgia cotton fields.

Sorghum condition in the 12 States was down from last week, with 57% of the sorghum reported as good to excellent. Soil moisture shortages lowered the sorghum condition in Kansas and New Mexico. Sorghum turning color at 63% was up 17 points from last week and 18 points ahead of the average for the 12 major producing States. The shortage of moisture was forcing some sorghum fields to maturity ahead of normal in Kansas where sorghum mature was 5%, 2 points ahead of the average.

Rice condition was mostly good, up slightly from last week. Rice harvested was 19% complete, up 4 points from last week and 2 points behind the average for the five major producing States. Louisiana reported rice harvested at 44% for the week, 13 points behind the average. California rice producers were draining some fields in preparation for the harvest, while heavy showers in Texas caused some harvesting delays and threatened to reduce second cuttings.

Soybean condition was down from last week, with 66% of the soybean crop rated as good to excellent compared with 71% last week. Soybean condition rated good to excellent in Missouri was 17%, compared to 37% last week. Soybeans setting pods were reported at 94% for the 19 major producing States, 6 points ahead of last week and 7 points ahead of the average. Illinois, Indiana, and Minnesota were 3 points ahead of the average for setting pods. Soybeans dropping leaves started the season at 3%, matching the average and 2 points ahead of last year. Mississippi and South Dakota were 6 points ahead of the average, while Illinois and Indiana were 2 points behind the average. Aerial blight and insect problems were reported in some soybean fields in Louisiana, while Missouri soybeans were showing signs of stress from dry conditions.

Crop Condition

for the Week Ending August 28, 1994

SORGHUM

State	VP	P	F	G	EX
AR	0	0	17	69	14
CO	1	4	22	58	15
IL	0	0	43	53	4
KS	0	3	33	63	1
LA	0	1	50	49	0
MS	0	0	2	94	4
MO	1	8	59	32	0
NE	0	1	9	79	11
NM	0	50	34	16	0
OK	0	0	78	22	0
SD	0	9	21	65	5
TX	1	11	46	38	4
12 State	0	7	36	53	4
Prev Week	0	7	32	55	6
Prev Year	1	7	29	52	11

CORN

State	VP	P	F	G	EX
CO	1	5	20	55	19
GA	0	4	12	72	12
IL	0	1	34	51	14
IN	1	5	31	55	8
IA	0	0	9	62	29
KS	0	1	26	69	4
KY	0	0	18	61	21
MI	3	7	20	50	20
MN	1	0	14	63	22
MO	5	8	53	34	0
NE	0	1	14	69	16
NC	0	4	24	69	3
OH	1	5	22	55	17
PA	0	3	16	42	39
SD	0	3	16	60	21
TX	0	0	19	71	10
WI	0	1	2	58	39
17 State	1	2	20	58	19
Prev Week	1	2	16	59	22
Prev Year	2	11	32	46	9

COTTON

State	VP	P	F	G	EX
AL	0	4	24	72	0
AZ	0	0	10	80	10
AR	0	0	28	72	0
CA	0	0	0	80	20
GA	0	0	23	75	2
LA	0	0	33	55	12
MS	0	0	63	36	1
MO	0	0	71	29	0
NM	0	10	40	40	10
NC	0	0	6	82	12
OK	0	25	47	26	2
SC	0	0	37	63	0
TN	0	0	1	97	2
TX	0	12	59	25	4
14 State	0	6	42	47	5
Prev Week	0	6	38	50	6
Prev Year	1	10	37	48	4

RICE

State	VP	P	F	G	EX
AR	0	0	2	98	0
CA	0	0	0	85	15
LA	0	0	50	50	0
MS	0	0	13	67	20
TX	0	0	0	78	22
5 State	0	0	12	82	6
Prev Week	0	0	14	80	6
Prev Year	0	0	23	76	1

SOYBEANS

State	VP	P	F	G	EX
AL	0	0	11	77	12
AR	0	0	29	70	1
GA	0	0	9	75	16
IL	0	3	41	48	8
IN	1	4	26	64	5
IA	0	0	16	57	27
KS	0	0	57	40	3
KY	0	2	31	61	6
LA	0	7	31	58	4
MI	2	8	25	45	20
MN	1	1	25	63	10
MS	0	0	45	46	9
MO	4	19	60	17	0
NE	1	2	22	70	5
NC	0	0	14	75	11
OH	0	5	20	56	19
SC	0	0	26	74	0
SD	0	1	13	67	19
TN	0	0	24	71	5
19 State	1	3	30	55	11
Prev Week	1	2	26	58	13
Prev Year	2	11	38	43	6

SPRING WHEAT

State	VP	P	F	G	EX
ID	2	8	30	53	7
MN	2	15	52	29	2
MT	3	10	27	45	15
ND	1	6	29	56	8
SD	1	2	46	48	3
5 State	1	7	35	50	7
Prev Week	1	7	33	50	9
Prev Year	3	14	30	45	8

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

Crop Progress

for the Week Ending Aug. 28, 1994

SPRING WHEAT HARVESTED

	Current	Last Wk	1993	Avg.
ID	84	64	8	54
MN	55	41	28	68
MT	71	51	3	41
ND	53	34	20	64
SD	98	91	80	89
5 States	63	46	25	64

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

GRAIN SORGHUM COLORING

	Current	Last Wk	1993	Avg.
AR	88	76	68	72
CO	25	6	13	16
IL	56	36	21	40
KS	50	25	20	20
LA	95	86	85	86
MS	95	86	88	81
MO	72	50	40	47
NE	68	26	10	28
NM	19	4	11	20
OK	45	40	34	42
SD	35	25	4	26
TX	78	75	81	75
12 States	63	46	42	45

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

RICE HARVESTED

	Current	Last Wk	1993	Avg.
AR	6	3	2	6
CA	0	0	0	0
LA	44	41	54	57
MS	9	3	4	5
TX	65	47	35	59
5 States	19	15	16	21

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

COTTON BOLLS OPENING

	Current	Last Wk	1993	Avg.
AL	9	6	14	19
AZ	74	61	76	70
AR	9	4	9	7
CA	30	10	25	26
GA	11	4	29	20
LA	53	14	22	32
MS	45	25	26	31
MO	12	4	9	9
NM	24	11	14	18
NC	17	15	18	19
OK	6	3	9	4
SC	7	2	22	17
TN	9	1	25	13
TX	24	20	29	21
14 States	26	16	25	22

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

CORN DOUGHING

	Current	Last Wk	1993	Avg.
CO	81	55	45	51
GA	100	100	100	100
IL	92	85	82	86
IN	95	86	90	85
IA	93	78	31	62
KS	99	95	85	90
KY	97	92	96	94
MI	45	20	30	40
MN	88	50	14	65
MO	98	93	81	90
NE	99	96	68	85
NC	98	93	91	95
OH	94	87	85	80
PA	64	56	61	52
SD	86	71	40	65
TX	98	94	94	97
WI	65	52	42	52
17 States	90	77	59	74

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

SOYBEANS SETTING PODS

	Current	Last Wk	1993	Avg.
AL	67	56	62	65
AR	84	71	61	61
GA	88	79	76	80
IL	98	91	91	95
IN	98	95	95	95
IA	100	100	84	96
KS	95	90	80	85
KY	65	51	58	62
LA	95	85	87	82
MI	85	75	90	80
MN	99	98	84	96
MS	91	81	72	73
MO	94	83	75	80
NE	100	100	91	94
NC	68	53	60	61
OH	100	97	96	91
SC	66	52	53	56
SD	100	98	74	90
TN	62	51	75	68
19 States	94	88	83	87

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

SOYBEANS DROPPING LEAVES

	Current	Last Wk	1993	Avg.
AL	1	NA	2	3
AR	6	NA	0	1
GA	7	NA	5	4
IL	2	NA	1	4
IN	1	NA	1	3
IA	1	NA	0	1
KS	10	NA	3	10
KY	8	NA	5	6
LA	6	NA	5	2
MI	0	NA	0	2
MN	1	NA	0	1
MS	8	NA	1	2
MO	1	NA	0	2
NE	3	NA	0	2
NC	0	NA	0	0
OH	0	NA	3	0
SC	0	NA	0	0
SD	17	NA	2	11
TN	3	NA	2	1
19 States	3	NA	1	3

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

CORN DENTING

	Current	Last Wk	1993	Avg.
CO	42	25	10	16
GA	100	100	100	99
IL	56	37	36	50
IN	44	22	36	42
IA	58	30	8	31
KS	85	55	45	55
KY	82	55	78	67
MI	15	5	3	10
MN	37	8	3	21
MO	91	68	51	67
NE	73	49	20	40
NC	84	82	85	86
OH	37	24	34	36
PA	12	7	17	15
SD	38	19	8	29
TX	85	81	83	89
WI	20	10	14	17
17 States	54	33	26	39

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

(Continued from front cover)

inch of rain fell in many areas from Southeast westward into southeastern Texas. But by Tuesday, cool, dry air overspread much of the East. Across Florida, where the front stalled, weekly rainfall totaled 3.83 inches in Tampa and 2.83 inches in West Palm Beach.

Farther west, daily record lows on Sunday included 51°F in Omaha, NE and 53°F in Concordia, KS. However, daily record warmth appeared in the High Plains by midweek, and soon spread eastward into the southwestern Corn Belt. Casper, WY noted its first of three consecutive daily record highs on Wednesday (97°F, 96°F, and 98°F). On Friday, daily records were set in locations such as Billings, MT (98°F) and Rapid City, SD (103°F). A day later, heat gripped the central Plains, with records for August 27 set in Kansas at Colby, Garden City, and Hill City (all at 104°F). Denver, CO reached 98°F for a daily record, and logged a record-setting 54th day this year with a high at or above 90°F. Although not of record proportions, temperatures on Saturday soared to 98°F in Kirksville, MO, and to 95°F in Ottumwa, IA and Quincy, IL. Tiresome heat continued in the Southwest, where El Paso, TX notched 102°F on Friday for its 60th 100-degree day of the summer. Although cooler conditions moved into the Northwest, no significant rain fell. On August 27, Burns, OR marked its 73rd day without measurable rain.

After midweek, cool-air incursions into the North-Central States sparked numerous thunderstorms, some severe. Rainfall was especially

widespread on August 25-26 from Minnesota to the east-central Plains. Totals included 2.95 inches in Waterloo, IA, 1.23 inches in Rochester, MN, and 1.14 inches in Topeka, KS. Half a dozen tornadic thunderstorms blitzed Wisconsin late on August 27, killing four people. The most vicious tornado cut a half-mile wide, 13-mile long path through Adams County, killing two people and destroying 200 homes in the town of Big Flats.

In Alaska, signs of the impending seasonal change were rampant. Fairbanks reported a daily record-tying low of 28°F on Tuesday, ending their growing season at 89 days, the shortest since 1987. Up to 2 inches of snow accompanied the chill on the Denali National Park road. Several days of heavy rain caused flooding northwest of Fairbanks, where Bettles measured 3.20 inches during the week.

The tropical Pacific Ocean south of Hawaii remained incredibly active. Hurricane John passed about 375 miles south of Hilo on Monday night, sporting peak sustained winds of 175 miles per hour, and an estimated central pressure of 26.87 inches (910 millibars). John's strength surpassed the central equatorial Pacific record of 160 mph, set by Hurricanes Emilia and Gilma only a month ago. Although John weakened as it continued westward, it forced the evacuation of Johnston Atoll, operated by the U.S. Defense Nuclear Agency. John packed 100 mph winds as it passed about 15 miles north of the island on Thursday afternoon.

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 north; none to 0.20 in. central; none to 0.36 in. south. Temperatures 1 to 4° below normal statewide. Lows 57 to 66° north; 57 to 65° central; 58 to 68° south. Highs 86 to 92° north; 88 to 95° central; 91 to 94° south.

Days suitable for fieldwork 6.0. Soil moisture 17% short, 81% adequate, 2% surplus. Corn dented 95%, 95% 1993, 97% avg.; mature 70%, 75% 1993, 81% avg.; harvested 25%, 28% 1993, 39% avg.; 4% poor, 13% fair, 66% good, 17% excellent. Sorghum harvested 7%, 8% 1993, 17% avg.; 6% poor, 14% fair, 72% good, 8% excellent. Peanuts dug 2%, 1% 1993, 3% avg.; 24% poor, 61% fair, 15% good. Pasture feed 18% fair, 74% good, 8% excellent. Livestock 8% fair, 90% good, 2% excellent. Seasonal activities: Planting, harvesting vegetables, spraying fields for insects, weeds, ground preparation for fall planting.

ALASKA: Many areas of the State recorded evening temperatures in the low to mid 30s. Clearwater experienced a killing frost of 25° on 24th.

Days suitable for haying, grain harvest 4; 5 days suitable for potato harvest. Second crop hay harvest 10% complete, 10% less than 1993. Barley 5% swathed, 85% harvested, compared to 40% harvested in 1993. By weekend, oats 10% swathed, 45% harvested; 1993: 25% harvested. Commercial potato harvest continues for fresh market, seed. Topsoil 50% short, 50% adequate. Subsoil moisture 70% short, 30% adequate.

ARIZONA: Temperatures normal to 5° above normal. Extremes 47°; 100° higher elevations; 63°; 113° deserts. Precipitation most reporting stations; trace to 1.02 in.

Defoliation increasing in early cotton, condition remains mostly good; opening bolls 74%, 76% 1993, 70% avg. Weed infestations light to moderate; insect, disease infestations reported moderate. Defoliation reported light to moderate western areas. Alfalfa condition good. Harvest remained moderate to active. Weed infestations light to moderate. Insect, disease infestations moderate. Vegetables harvested from central areas included cantaloupe, chili pepper. Raisin grapes harvested central, western vineyards. Crops available eastern areas were apples, watermelon, chili peppers.

ARKANSAS: Temperatures seasonal with widely scattered showers. Extremes 50°; 97°. Precipitation none to 1.61 in.

Days suitable for fieldwork 6. Soil moisture 46% short, 54% adequate. Crop development ahead of schedule. Producers irrigating cotton, soybeans. Producers in Chicot, Desha Counties started defoliating cotton. Producers are harvesting rice, sorghum, corn. Watermelons good with harvest ongoing. Corn 2% fair, 88% good, 10% excellent. Alfalfa 81% fair, 19% good. Other hay 3% very poor, 4% poor, 49% fair, 39% good, 5% excellent. Pasture feed 9% poor, 39% fair, 43% good, 9% excellent. Little River County reported more cases of blackleg in cattle herds. Pope County reported cases of anaplasmosis in cattle herds. Livestock good.

CALIFORNIA: Weak upper level trough along coast brought cooler temperatures. Thunderstorms brought precipitation southeast desert; fog drizzle brought measurable precipitation, Monterey. Otherwise dry.

Good progress field activities, open weather. Rice grew well, hot temperatures. Fields drained, preparation harvest many areas. Few early seeded fields harvested. Cotton excellent growth, bolls opening most areas. Growers treated aphids, lygus, pink bollworm, whitefly. Some fields final irrigation. Corn cut silage, sprayed mites. Dry beans, safflower, seed alfalfa, sunflowers, sugarbeets harvested. Planting new crop sugarbeets ongoing San Joaquin Valley. Dry beans weeded, treated mites; sugarbeets sprayed mildew. Alfalfa, sudangrass cut hay, greenchopped. Alfalfa treated aphids, armyworms, weevils. Ground preparation fall-planted small grains underway. Summer fruit harvest continued; nectarines, peaches, plums, pears, raisin grapes, wine grapes, table grapes, prunes, apples, almonds, lemons, oranges, grapefruit. Date harvest began; Riverside County. Hulls splitting; early walnut varieties. Harvest broccoli, cauliflower, celery continued light along central coast. Harvest carrots, Kern county. Processing, fresh market tomato harvest slowed. Sweet corn harvest progressed normal. Leaf, head lettuce harvest normal pace. Growers treating vegetable crops, insects, mites, mildew. Ground preparation underway, vegetables planted fall harvest. Summer, winter squash, peppers, cucumbers, green beans, green onions, okra and melons harvested. Insecticides applied melonseed fields, harvest began northern Sacramento Valley. Rangeland, pasture conditions poor lower elevations, supplemental feeding necessary. Feed, water supplies below normal. Mountain pasture conditions declining. Dry conditions, all areas, fire hazard concerns. Livestock movement slowed. Sheep grazing safflower stubble fields. Cattle, sheep in good condition.

COLORADO: Hot, dry high pressure remained over State for most of the week. Temperatures were well above normal each day except the 28th when a cold front pushed across the State with temperatures about 3 to 4° below normal, triggering thunderstorms in the southeast. There were several areas in the northeast with microburst winds of 40 to 50 mph.

Days suitable for fieldwork 6.3. Soil moisture 27% very short, 38% short, 35% adequate. Alfalfa second cutting 85% complete, 78% 1993, 76% avg.; third cutting 29% complete, 24% 1993, 20% avg.; 2% very poor, 4% poor, 36% fair, 49% good, 9% excellent. Spring barley 72% harvested, 81% 1993, 67% avg. Dry beans 29% cut, 9% 1993, 6% avg.; 13% harvested, 4% 1993, 2% avg.; 9% poor, 16% fair, 63% good, 12% excellent. Oats 81% harvested, 79% 1993, 70% avg. Dry onions 42% harvested, 28% 1993, 35% avg.; 1% very poor, 1% poor, 18% fair, 58% good, 22% excellent. Sugarbeets 1% very poor, 4% poor, 18% fair, 60% good, 17% excellent. Spring wheat 84% harvested, 19% 1993, 33% avg. Summer potatoes 53% harvested, 55% 1993, 43% avg. Fall potatoes 8% poor, 15% fair, 59% good, 18% excellent. Corn silage 5% harvested, 1% 1993, 1% avg. Corn progress well ahead of normal. Winter wheat 3% seeded, 3% 1993, 5% avg. Hot, dry weather continues, irrigation demands high. Livestock fair to good. Pasture, range feed conditions are very poor over most of the State, some areas concerned about water supplies for livestock.

FLORIDA: Temperatures 1 to 4° below normal. Highs; mid 90s except some upper 80s near the east coast. Lows; mid 60s. Rain 1 to 7 days. Rain 0.25 in. to over 5.00 in.

Soil moisture adequate to surplus north, central, adequate other areas. Dry weather helping haying operations. Cotton, peanut crops doing fine. Tobacco harvest complete. Big Bend flooded areas drying, haying resumed. Peanut, hay harvest hampered by showers. Sugarcane crop looks good. Citrus groves, trees, new crop fruit all in very good to excellent condition. Abundant moisture, some splitting in wet groves. Lots of new growth, good fruit sizes. Fruit testing for fresh packing continues. Caretakers cutting cover crops, spraying, fertilizing, pushing dead trees. Rain hampered fieldwork west central, east coast vegetable areas. Growers laid plastic; planted central, south areas. Celery, sweet corn planted, growers prepared to plant fall carrot, leaf crops, Zellwood. Crops in fair condition, planting cucumbers, peppers, squash, eggplant planting complete, watermelon planting delayed by rain, harvest of squash started, west central. Thunderstorms delayed fieldwork, transplanting peppers, tomatoes; seeding cucumbers, condition of crops fair to good, early planted tomatoes showing open blooms, east coast. Tomato planting increased, plants look good, southwest. Pasture feed 10% fair, 80% good, 10% excellent. Hay making slowed by frequent showers. Cattle herds good to excellent.

GEORGIA: Temperatures 2 to 4° below normal except mountains, a degree below normal. Highs middle 80s mountains, low 90s central, south, middle 90s southeast. Lows upper 50s mountains, low to middle 60s elsewhere except upper 60s along coast. Rain very limited, only few spots with 1 day rain. Weekly totals 0.10 in. or less isolated spots more.

Days suitable for fieldwork 5.0. Soil moisture 1% short, 82% adequate, 17% surplus. Corn 98% mature, 100% 1993, 97% avg.; 45% harvested for grain, 43% 1993, 47% avg.; some lodging problems. Cotton insect pressure increasing. Sorghum 16% fair, 80% good, 4% excellent; 14% harvested for grain, 12% 1993, 8% avg. Peanuts 25% fair, 74% good, 1% excellent; 3% dug, 1% 1993, 2% avg.; 0% threshed, 0% 1993, 1% avg.; disease, insect pressure on increase. Soybeans 98% blooming, 94% 1993, 96% avg.; insect population increasing, weeds a problem many fields. Tobacco 5% very poor, 2% poor, 39% fair, 54% good; 97% harvested, 80% 1993, 89% avg. Watermelons 99% harvested, 99% 1993, 98% avg. Vegetables 9% poor, 33% fair, 55% good, 3% excellent. Apples 6% very poor, 11% poor, 12% fair, 71% good; 16% harvested, 31% 1993, 34% avg. Pecans 11% poor, 49% fair, 40% good; disease problems some areas. Hay 4% poor, 18% fair, 70% good, 8% excellent; taking longer to cure hay due to weather conditions. Quality problems, best hay harvest week in long time. Pasture feed 7% fair, 73% good, 20% excellent; cattle, hogs good. Activities: Preparing for peanut harvest, spraying cotton, peanuts, baling hay, preparing fields for small grain plantings, mowing pastures, routine care of livestock, poultry.

HAWAII: Hurricane John passed safely several hundred miles south of island chain early in week. No extreme effects felt, although caused strong, gusty trade winds, heavy rains on the southern island on 24th. No adverse effects on agriculture. Elsewhere shower activities light, confined to windward, higher elevations. Temperatures ranged low 70s to low 90s. Rainfall none to 6.50 in.

Most crops made fair to good progress during the week. High temperatures slowed progress of some vegetable crops. Spraying heavy

to control insects, diseases. Papaya harvesting heavy. Sugar, pineapple harvesting active.

IDAHO: Temperatures 4° above to 4° below normal. Precipitation none to 0.03 in. north, none southwest, none to 0.80 in. south central, none to 0.36 in. east. Extremes 37°; 99°.

Days suitable for fieldwork 7. Potato progress: closing middles 21%, turning 38%, vines killed 37%, harvested 4%, 3% 1993, 3% avg. Potatoes 1% poor, 14% fair, 76% good, 9% excellent. Soil moisture 52% very short, 30% short, 18% adequate. Range, pasture feed 55%. Barley harvested 85%, 13% 1993, 58% avg. Alfalfa hay harvested (3rd cutting) 31%, 15% 1993, 20% avg. Dry pea acreage harvested 98%, 31% 1993, 80% avg. Lentil acreage harvested 96%, 10% 1993, 67% avg. Peaches harvested 65%, 34% 1993, 63% avg. Plums, prunes harvested 42%, 29% 1993, 46% avg. Onions harvested 18%, 5% 1993, 19% avg. Hops harvested 21%, 47% 1993, 26% avg. Dry beans harvested 18%, 0% 1993, 10% avg. Irrigation water supplies 23% very poor, 14% poor, 37% fair, 25% good, 1% excellent. Activities: Harvesting grain, onions, potatoes, dry beans, baling straw, irrigating, hauling water to livestock, cutting hay, managing grain stubble. Eastern areas killing potato vines.

ILLINOIS: Warmer, drier than normal weather across much of State. Highs the low to mid 80s in the north, to the mid 80s to around 90° south. Lows mid 50s to the mid 60s in the central, north to the 60s, around 70° south. Rainfall none to over 1.00 in. Parts of southeast areas reported 1.00 to 2.00 in. Totals were below normal by 0.50 to 0.75 in.

Days suitable for fieldwork 6.0. Soil moisture 72% short, 28% adequate. Corn mature 3%, 1% 1993, 11% avg. Soybeans turning yellow 14%, 3% 1993, 15% avg. Sorghum headed 97%, 88% 1993, 89% avg. Mature 1%, less than 1% 1993, 5% avg. Alfalfa hay third cutting 73%, 48% 1993, 61% avg. Pasture feed 73% of normal. Soil moisture supplies continued short in almost all but the two northern districts where moisture is adequate. Crop conditions declined with spotty rainfall except in the northernmost two districts where crop prospects are good to excellent. Condition of the crop in the lower two-thirds of the State is good to fair with concern about beans losing blooms, aborting pods, corn firing, poor kernel fill due to dryness. Activities included chopping corn silage, crop scouting, preparing storage facilities for harvest, cutting hay, harvesting vegetable, melon crops, mowing weeds.

INDIANA: Warmer than normal weather occurred across much of State. A cold front moved across State over the weekend causing some thunderstorms, providing beneficial rains, especially to the southern areas. High temperatures lower to upper 80s, which was 1 to 4° above normal. Lows in the upper 50s to 60s, which was 1 to 5° above normal. Coolest readings were in the upper 40s in the north, mid 50s south. Rainfall 0.30 in. or less in the north, west central, to 0.50 to 2.00 in. east central, south. This was below normal in the north, west central by around 0.50 to 0.90 in., wetter than normal by 0.30 to 1.00 in. the south.

Days suitable for fieldwork 5.9. Cutting corn silage has begun, harvesting tobacco continues. Other activities included seeding alfalfa, machinery maintenance, preparing for fall harvest. Pasture feed poor to very poor. Pasture feed 69% of normal, 73% last week. Topsoil 59% short, 41% adequate. Subsoil 55% short, 45% adequate. Corn silage chopped 8%, 10% 1993, 11% avg. Tobacco harvested 25%, 24% 1993, 23% avg. Alfalfa 3rd cutting 69%, 51% 1993, 52% avg.

IOWA: Temperatures 3 to 5° above normal. Extremes 45° (northeast, 29th); 96° (southwest 24th). Rainfall 0.04 in. northwest to 2.96 in. northeast; State average 0.67 in. (normal 0.93 in.).

Days suitable for fieldwork 6.2. Topsoil 57% short, 42% adequate, 1% surplus. Subsoil 32% short, 66% adequate, 2% surplus. Percent of soybean acreage with leaves turning color 13%, 0% 1993, 5% avg. Percent of corn acreage mature (safe from frost) 10%, 0% 1993, 5% avg. Alfalfa hay 3rd crop harvested 61%, 10% 1993, 48% avg. Clover hay 2nd crop harvested 91%, 64% 1993, 86% avg. Pasture feed 2% very poor, 20% poor, 26% fair, 43% good, 9% excellent. Hay 1% very poor, 15% poor, 24% fair, 50% good, 10% excellent. Livestock were reported in mostly good condition, however, pinkeye, face fly problems continue in cattle. Crops are in need of rain (especially southern sections of the State) and warmer weather.

KANSAS: Temperatures at or above normal, except southeast 2° below normal. Precipitation 0.07 in. north central to 1.72 in. southeast.

Days suitable for fieldwork 6.0. Surface soil moisture 80% short to very short, 19% adequate, 1% surplus. Subsurface moisture 63% short to very short, 37% adequate. Lack of moisture caused condition of fall crops to decline for second week in a row. Corn mature 15%, 15% 1993, 25% avg. Silage, high moisture, dryland corn harvests underway. Hail, wind, lack of moisture caused significant decrease in corn condition. Sorghum stands are headed except for a few fields in southern counties. Sorghum mature 5%, 1% 1993, 3% avg. Lack of moisture is causing many sorghum stands to progress well ahead of schedule. Alfalfa 4th cutting almost to half-way point. Pasture feed mostly fair to good,

however, they are rated short in many southern, western areas where grass, stockwater supplies are declining fast. Seeding of wheat began in southwest. Other activities included: Preparing wheat seedbeds, haying, baling feed, preparing machinery for fall harvest.

KENTUCKY: Warm, drier than normal. Maximums 2 to 4° above normal across west, near normal to 2° above normal east. Minimums within a couple of degrees of normal. Rainfall deficits 0.70 in. to around 1.00 in.

Days suitable for fieldwork 5.5. Soil moisture 18% very short, 35% short, 47% adequate. Burley tobacco cut 37%, 26% 1993, 37% avg. Early housed tobacco curing well. Dark tobacco 50% cut. Late corn stressed by dry conditions, overall rated mostly good. Harvest of early corn just beginning. Soybeans need rain, rated fair to mostly good, early fields beginning to shed leaves. Pasture growth limited many areas. Livestock producers feeding hay drier areas. Hay crop growth limited by dry conditions 2% very poor, 9% poor, 36% fair, 48% good, 5% excellent.

LOUISIANA: Temperatures 0.1 to 1.0° below normal. Extremes 65°; 99°. Rainfall 0.02 in. north central to 2.45 in. south central.

Days suitable for fieldwork 4.8. Soil moisture supplies 2% short, 80% adequate, 18% surplus. Corn 36% fair, 54% good, 10% excellent; 100% mature, 95% 1993, 99% avg.; 58% harvested, 53% 1993, 69% avg. Harvest progressed well, yields continued good. Cotton 0% harvested, 0% 1993, 0% avg. Insect pressure was light, harvest was approaching rapidly. Hay 53% second cutting, 58% 1993, 50% avg. Rice 96% headed, 91% 1993, 94% avg.; 52% ripe, 72% 1993, 72% avg. Harvest made good progress, farmers managed their ratoon crop in the southern parishes. Sorghum 62% ripe, 48% 1993, 64% avg.; 20% harvested, 18% 1993, 37% avg. Soybeans 99% blooming, 95% 1993, 94% avg.; 6% turning color, 13% 1993, 12% avg. Aerial blight affected many fields in varying degrees as well as insects. Sugarcane 25% fair, 75% good; 22% planted, 22% 1993, 14% avg. Planting made good progress. Sweet potatoes 29% fair, 60% good, 11% excellent; 25% harvested, 11% 1993, 19% avg. Harvest continued active in all producing parishes. Livestock 3% very poor, 15% poor, 52% fair, 24% good, 6% excellent. Pasture feed 1% poor, 4% fair, 88% good, 7% excellent. Vegetables 31% fair, 64% good, 5% excellent.

MARYLAND & DELAWARE: **MARYLAND:** Precipitation 1.47 in., normal 1.03 in. Temperature 70.8°, normal 74.3°. Extremes 46°; 89°.

Days suitable for fieldwork 5.5. Topsoil 5% short, 77% adequate, 18% surplus. Subsoil 90% adequate, 10% surplus. Pasture feed excellent. Corn good; 80% dough, 75% 1993, 76% avg.; 43% dent, 47% 1993, 51% avg.; 7% mature, 8% 1993, 12% avg. Soybeans good; 94% bloomed, 89% 1993, 89% avg.; 70% setting pods, 66% 1993, 70% avg. Sorghum good to excellent; 98% headed, 96% 1993, 94% avg. Tobacco good to excellent; 95% bloomed, 91% 1993, 91% avg.; 82% topped, 77% 1993, 73% avg.; 34% harvested, 34% 1993, 37% avg. Sweet corn 87% harvested, 91% 1993, 84% avg. Other hay 87% second cut, 91% 1993, 85% avg.; 49% third cut, 40% 1993, 23% avg. Alfalfa hay 94% third cut, 91% 1993, 82% avg.; 19% fourth cut, 20% 1993, 14% avg. Hay supplies adequate. Peaches short crop fair condition; 90% harvested, 78% 1993, 78% avg. Apples good; 16% picked, 20% 1993, 20% avg.

DELAWARE: Precipitation 1.45 in., normal 1.13 in. Temperature 70.7°, normal 74.4°. Extremes 50°; 86°.

Days suitable for fieldwork 6.7. Topsoil 67% adequate, 33% surplus. Subsoil 67% adequate, 33% surplus. Corn fair to mostly good; 89% dough, 74% 1993, 84% avg.; 49% dent, 45% 1993, 58% avg. Soybeans good; 93% bloomed, 86% 1993, 88% avg.; 59% setting pods, 49% 1993, 55% avg. Sorghum good; 93% heading, 78% 1993, 93% avg. Sweet corn 95% harvested, 93% 1993, 84% avg. Other hay 54% third cut, 39% 1993, 54% avg. Alfalfa hay 100% third cut, 88% 1993, 84% avg. Hay supplies adequate; pasture feed good. Peaches good; 90% harvested, 82% 1993, 91% avg. Apples good; 24% harvested, 23% 1993, 24% avg.

MICHIGAN: Extremes 46°; 90°. Precipitation none to 3.20 in.

Days suitable for fieldwork 5.5. Soil moisture 15% short, 60% adequate, 25% surplus. Dry beans 90% setting pods, 95% 1993, 80% avg.; 35% turning, 35% 1993, 30% avg.; 10% very poor, 20% poor, 30% fair, 30% good, 10% excellent. Oats 95% ripe, 100% 1993, 97% avg.; 80% harvested, 80% 1993, 85% avg.; 3% very poor, 12% poor, 35% fair, 40% good, 10% excellent. Potatoes 45% harvested, 50% 1993, 35% avg. Hay 85% second cutting, 85% 1993, 85% avg.; 25% third cutting, 30% 1993, 30% avg.; 3% very poor, 7% poor, 20% fair, 50% good, 20% excellent. Pasture feed 90% of normal. Major activities included cutting hay, seeding alfalfa, baling straw, orchard mowing, hoeing soybeans, dry beans, sugarbeets, preparing machinery for fall harvest, spraying apples, plowing.

MINNESOTA: Temperatures near normal in the northwest to 5° above normal in the southwest, southeast. Extremes 44°; 93°. Precipitation near normal in the northwest to 0.50 in. below normal for the southern third of the State. Greatest weekly total was 1.97 in.

Days suitable for fieldwork 5.0. Topsoil 1% very short, 8% short, 73% adequate, 18% surplus. Corn 88% dough, 14% 1993, 65% avg.; 37% dent, 3% 1993, 21% avg. Soybeans 15% yellowing, 3% 1993, 12% avg.;

shedding leaves 1%, 0% 1993, 1% avg. Spring wheat 66% cut/swathed, 42% 1993, 74% avg.; 55% combined, 28% 1993, 68% avg. Barley 95% cut/swathed, 77% 1993, 88% avg.; 80% combined, 64% 1993, 81% avg. Potatoes 9% harvested, 0% 1993, 0% avg. Sweet corn for processing 60% harvested, 26% 1993, 48% avg. Grain/hay stubble 31% worked, 5% 1993, 30% avg. Rye 15% seeded (fall), 13% 1993, 16% avg. Winter wheat 8% seeded (fall), 16% 1993, 14% avg. Corn 1% very poor, 14% fair, 63% good, 22% excellent. Soybeans 1% very poor, 1% poor, 25% fair, 63% good, 10% excellent. All sunflowers 1% poor, 29% fair, 62% good, 8% excellent. Sugarbeets 25% fair, 70% good, 5% excellent. Dry bean 6% poor, 41% fair, 51% good, 2% excellent.

MISSISSIPPI: Temperatures 2.0° below normal. Extremes 56°; 95°. Soil temperature 84°. Precipitation 0.10 in., 0.74 in. below normal. Rainfall was minimal throughout the entire State.

Days suitable for fieldwork 6.2. Soil moisture 56% short, 39% adequate, 5% surplus. Corn 99% dent, 91% 1993, 90% avg.; 75% mature, 57% 1993, 66% avg.; 14% harvested, 17% 1993, 21% avg.; 72% silage harvested, 62% 1993, 70% avg.; 6% fair, 42% good, 52% excellent. Cotton 45% open bolls, 26% 1993, 31% avg.; 63% fair, 36% good, 1% excellent. Rice 99% heading, 82% 1993, 92% avg.; 40% mature, 14% 1993, 32% avg.; 9% harvested, 4% 1993, 5% avg.; 13% fair, 67% good, 20% excellent. Sorghum 95% turning color, 88% 1993, 81% avg.; 60% mature, 47% 1993, 49% avg.; 19% harvested, 13% 1993, 15% avg.; 48% silage harvested, 57% 1993, 62% avg.; 2% fair, 94% good, 4% excellent. Soybeans 99% blooming, 96% 1993, 93% avg.; 91% setting pods, 72% 1993, 73% avg.; 21% turning color, 9% 1993, 13% avg.; 8% shedding leaves, 1% 1993, 2% avg.; 45% fair, 46% good, 9% excellent. Hay 86% harvested, 82% 1993, 81% avg. Pecans 7% very poor, 11% poor, 62% fair, 17% good, 3% excellent. Sweet potatoes 29% harvested, 8% 1993, 19% avg.; 85% fair, 15% good. Watermelons 96% harvested, 98% 1993, 97% avg.; 7% poor, 62% fair, 31% good. Livestock 12% fair, 80% good, 8% excellent. Pasture feed 84% of normal. Activities: Corn, hay harvest, cotton insect control. Peanut harvest is underway.

MISSOURI: Temperatures mostly above normal, 3° below normal at Caruthersville to 5° above normal at Kirksville. Rainfall 0.24 in., varying from none in the southeast to 0.55 in northwest. Dry conditions resulted in a decline in row crop condition in most areas.

Days suitable for fieldwork 6.6. Topsoil 96% short, 4% adequate. Crops continue to need rain in most areas. Corn denting by district ranges from 79% northeast to 100% southeast. Soybeans 1 week ahead of average. Beans setting pods by district range 79% southwest to 100% northeast. Beans showing sign of stress because of dryness in most areas. Sorghum coloring ranges from 50% northeast to 93% southeast. Sorghum mature ranges from 4% west central, central to 15% southeast. Third cutting alfalfa 90%, 50% 1993, 74% avg.; some areas too dry for third crop. Pasture feed 17% very poor, 37% poor, 41% fair, 5% good.

MONTANA: Most stations reported above normal temperatures. Light precipitation reported in all divisions.

Days suitable for fieldwork 6.9. Topsoil moisture 83% short, 17% adequate. Subsoil moisture 74% short, 26% adequate. Winter wheat 95% harvested, 24% 1993, 70% avg. Barley 69% harvested, 4% 1993, 42% avg.; 4% very poor, 13% poor, 33% fair, 38% good, 12% excellent. Oats 69% harvested, 3% 1993, 41% avg.; 2% very poor, 9% poor, 28% fair, 51% good, 10% excellent. Dry beans 10% harvested, 0% 1993, 0% avg. Corn for silage 5% harvested, 0% 1993, 0% avg. Second cutting alfalfa 85%, 32% 1993, 59% avg. Other hay harvest 95%, 78% 1993, 90% avg. Pasture, range feed 73% of normal. Cattle, calves moved from summer ranges, 6%; sheep, lambs moved from summer ranges, 2%.

NEBRASKA: Temperatures near normal west to 5° below normal east. Precipitation none northwest to 0.88 in. central.

Days suitable for fieldwork 6.7. Topsoil 61% short, 39% adequate. Subsoil moisture 29% short, 70% adequate, 1% surplus. Corn 2% poor, 8% fair, 65% good, 25% excellent; 96% dough, 48% 1993, 69% avg.; 49% dented, 7% 1993, 21% avg.; 1% mature, 0% 1993, 1% avg. Soybean 1% poor, 11% fair, 64% good, 24% excellent; 8% leaves turning color, 0% 1993, 2% avg. Sorghum 1% poor, 12% fair, 71% good, 16% excellent; 26% turning color, 3% 1993, 14% avg. Dry beans 41% fair, 53% good, 6% excellent; 32% leaves turning color. Pasture, range feed 89% of normal.

NEVADA: Clear, warm weather continued to dominate, although a few thunderstorms visited the south, east. Rainfall light, drought-stricken northwest remained dry. Ely reported 0.18 in., Pahump 0.16 in. Temperatures slightly above normal all divisions, 1° above normal in the northwest to 3° above in the south. Extremes 27°; 113°.

Small grain harvest winding down. Alfalfa cutting progressing well under clear skies. Onion harvest active. Range, pasture condition continues to deteriorate; poor to very poor most areas. Main farm, ranch activities: haying, grain harvest, fencing, ditch cleaning, livestock care.

NEW ENGLAND: Precipitation 0.40 to 2.05 in. north, 0.06 to 3.02 in. south. Temperatures 61 to 67° north; 62 to 71° south. Temperatures 1° above normal north, 1° below normal south. Temperatures 76 to 86° north; 75 to 88° south. Minimum temperatures 35 to 55° north; 39 to 57° south.

Days suitable for fieldwork 6. Soil moisture 4% very short, 17% short, 55% adequate, 24% surplus. Available grazing, 15% short, 85% adequate. Fieldwork 1 day behind schedule. Maine potatoes 10% harvested, Rhode Island potatoes 25% harvested, Connecticut River Valley potatoes 30% harvested. Potato condition good, however, more moisture needed for tuber sizing. Maine oats 55% harvested, 25% 1993, 20% avg., condition good. Field corn <5% harvested, good. Shade tobacco good, 75% harvested, 90% 1993. Outdoor tobacco good, 80% harvested, 80% 1993. Second crop hay 75% harvested, 70% 1993, 75% avg.; good. Third crop hay 35% harvested, 20% 1993, 25% avg.; good. Sweet corn 70% harvested, 65% 1993, 65% avg.; good. Apples 10% harvested; apple size medium, good, color good. Peaches size medium, 55% harvested, fair. Pears 25% harvested; size medium, good. Raspberries size medium, 80% harvested, good. Highbush blueberries 90% harvested, good, size medium to large. Wild blueberries size medium, 80% harvested, good. Cranberries size medium, condition good/excellent. Major farm activities: Harvesting fruits, vegetables, applying insect, weed control, preparing equipment for harvest, haying between showers.

NEW JERSEY: Temperatures below normal. Extremes 44°; 89°. Rainfall 1.30 in. north, 1.84 in. central, 0.33 in. south. Heaviest 24-hour total 3.15 in. on 22nd, 23rd. Estimated soil moisture, in percent field capacity, averaged 94% north, 88% central, 68% south. Four-inch soil temperatures 68° north, 71° central, 70° south.

Days suitable for fieldwork 5. Limited rainfall, in southern areas, has allowed most farmers to return to their fields to harvest crops, plant fall vegetables. Good supply of green, yellow squash, eggplants, peppers. Moderate supply of cabbage, cucumbers, sweet corn. Light volume of herbs, leeks, okra, tomatoes, cantaloupes, turnips, green onions. Ginger Gold, Paula Reds, Gala are the primary varieties of apples being harvested. Peach harvest is also active with Cresthaven, Blake, Jersey Queen.

NEW MEXICO: Temperatures 3 to 4° above normal. Extremes 43° at Chama; 101° at Tucumcari. Precipitation: scattered thunderstorms were "hit or miss," with higher amounts in the north-central, southwest mountains. Highest 0.87 in. at Santa Fe to 0.82 in. at Silver City.

Days suitable for fieldwork 6.6. Soil moisture is 83% short, 17% adequate. Cropland conditions: Alfalfa 18% fair, 77% good, 5% excellent. Chile was reported at 15% fair, 85% good. Corn 6% poor, 12% fair, 70% good, 12% excellent. Irrigated sorghum was reported as 36% fair, 64% good. Dryland sorghum 67% poor, 33% fair. Cotton 10% poor, 40% fair, 40% good, 10% excellent. Pecan 43% fair, 57% good. Apple 25% fair, 75% good. Cattle, sheep conditions varied across the State poor to excellent. Range feed 56% of normal.

NEW YORK: Started cool and wet as tropical moisture passed over State. Gradual warm-up, relatively dry rest of week. Thunderstorms active on 26th but rainfall was spotty. Heaviest rains fell over central areas. Rainfall near normal for week. Drier than average in west, much wetter in extreme southeast. Temperatures close to normal in northern, western thirds of State, 3 to 4° below normal in Hudson Champlain Valleys, Eastern Plateau, Coastal Division.

Days suitable for fieldwork 4.6. Soil moisture mostly adequate to surplus. Coolness slowed crop development. Recent rains slowed harvesting activity. Pastures feed 92% of normal. Corn good to excellent. Oats 88% harvested, 73% 1993, 70% average. Wheat harvest done. Alfalfa second cuttings 90% done, 90% 1993, 86% avg. Third cuttings 52% done, 28% 1993, 30% avg. Making dry hay difficult because of rain. Potato harvest continued; vine killing continued. Dry bean ripening slowed by wet weather. Vegetable harvesting continued. Recent heavy rains in Orange County will help sizing of late onions. Cooler nights have slowed tomato ripening. Sweet corn quality good; some worm pressure reported. Early apple varieties being harvested. Bartlett pear harvest underway. Early grape varieties being harvested.

NORTH CAROLINA: Mean temperatures at the seven reporting stations 69° at Asheville to 77° at Wilmington. Rainfall 0.09 in. at Cape Hatteras to 0.80 in. at Charlotte.

Days suitable for fieldwork 5.7. Soil 1% short, 84% adequate, 15% surplus. Crop conditions: Pasture feed 22% fair, 68% good, 10% excellent; tobacco 15% fair, 69% good, 16% excellent; corn 4% poor, 24% fair, 69% good, 3% excellent; cotton 6% fair, 82% good, 12% excellent; peanuts 20% fair, 74% good, 6% excellent; soybeans 14% fair, 75% good, 11% excellent; hay 17% fair, 80% good, 3% excellent; sweet potatoes 13% fair, 71% good, 16% excellent; apples 1% fair, 82% good, 17% excellent; sorghum 1% poor, 3% fair, 89% good, 7% excellent; truck crops 4% poor, 20% fair, 76% good; hay, roughage supplies 14% short, 79% adequate, 7% surplus; corn for grain harvested 7%, 6% 1993, 8% avg.; corn for silage harvested 42%, 43% 1993, 41% avg.; burley tobacco harvested 15%, 7% 1993, 10% avg.; flue-cured tobacco harvested 50%, 44% 1993, 57% avg.;

apples harvested 20%, 11% 1993, 12% avg.; cotton open bolls 17%, 18% 1993, 19% avg.; corn dent 84%, 85% 1993, 86% avg.; corn mature 66%, 64% 1993, 65% avg.; soybeans bloomed 86%, 83% 1993, 80% avg.; soybeans pods set 68%, 60% 1993, 61% avg.; second cutting of hay is 78% complete with the third cutting 35% complete. Activities: harvesting, marketing tobacco; applying pesticides, herbicides, fungicides. Also: harvesting hay, corn; tending livestock; equipment repair.

NORTH DAKOTA: Storms produced hail in isolated areas of the State. Precipitation 0.06 in. southwest to 0.84 in. northeast. Temperatures 4° above normal east central, southeast to 8° above normal southwest. Extremes 38° west central; 97° southwest.

Days suitable for fieldwork 5.9. Topsoil 14% very short, 41% short, 42% adequate, 3% surplus. Subsoil 9% very short, 32% short, 56% adequate, 3% surplus. Small grain harvest delayed temporarily by rain, heavy morning dew. Hard red spring wheat 53% combined, 20% 1993, 64% avg.; durum wheat 30% combined, 5% 1993, 49% avg.; barley 83% combined, 46% 1993, 81% avg.; oats 75% combined, 25% 1993, 73% avg. Condition of small grains: hard red spring wheat 1% very poor, 6% poor, 29% fair, 56% good, 8% excellent; durum wheat 1% very poor, 6% poor, 24% fair, 55% good, 14% excellent; barley 4% poor, 18% fair, 64% good, 14% excellent; oats 1% very poor, 2% poor, 21% fair, 66% good, 10% excellent. Late season crops ahead of last year and at or near average. Flaxseed 10% cut or combined, 1% 1993, 22% avg.; corn for grain 31% denting to dented and beyond, 2% 1993, 30% avg.; corn for silage 1% cut, 1% 1993, 6% avg.; dry edible beans 7% cut or combined, 0% 1993, 14% avg.; soybeans 27% lower leaves yellowing and beyond, 14% 1993, 37% avg.; sunflower 16% bracts turned yellow and beyond, 3% 1993, 16% avg.; potatoes 28% vines killed and beyond, 4% dug, 23%, 2% 1993, 21%, 2% avg. Condition: Flaxseed 1% very poor, 2% poor, 18% fair, 66% good, 13% excellent; corn for grain 10% fair, 61% good, 29% excellent; corn for silage 2% very poor, 5% poor, 24% fair, 59% good, 10% excellent; dry edible beans 1% very poor, 6% poor, 20% fair, 58% good, 15% excellent; soybeans 4% poor, 14% fair, 63% good, 19% excellent; sunflower 2% poor, 9% fair, 67% good, 22% excellent; sugarbeets 3% poor, 7% fair, 79% good, 11% excellent; potatoes 1% poor, 7% fair, 77% good, 15% excellent. Range, pasture feed 78% of normal; hay 85% of normal. Second cutting alfalfa 94% complete, other hay 92% complete. Stockwater supplies 2% very short, 4% short, 93% adequate, 1% surplus.

OHIO: Warmer than normal. A cold front moved through on 27th, 28th, producing strong thunderstorms. Highs in the low to mid 80s, 1 to 5° above normal. Lows in the upper 50s to mid 60s, 1 to 5° above normal. Coolest readings were in the upper 40s to mid 50s in the north, 50s to around 60° south. Rainfall around 0.50 in. or less in the north to 0.50 to 1.50 in. over large parts of the central, south. This was drier than normal by around 0.40 to 0.70 in. across the north, wetter than normal by around 0.30 to 1.00 in. across the west-central, southwest. Seasonal growing degree day totals are 100 to 350 degree days above normal.

Days suitable for fieldwork 5.7. Crops condition remained good. Maturation proceeded on schedule. Vegetable, tobacco harvest continued. Soil moisture 22% short, 77% adequate, 1% surplus. Tomato harvest 26% complete. Potato harvest 37% complete. Corn for silage harvest just starting. Hay 2% poor, 27% fair, 60% good, 11% very good. Alfalfa hay third cutting 63% complete. Other hay third cutting 25% complete. Pasture feed 1% very poor, 6% poor, 32% fair, 53% good, 8% excellent.

OKLAHOMA: Temperatures near normal in the southeast, south-central districts to 5° above normal west-central. Precipitation none in most districts to 0.86 in. northeast.

Days suitable for fieldwork 5.8. Topsoil 52% short, 45% adequate, 3% surplus. Subsoil moisture 50% short, 50% adequate. Corn 6% poor, 11% fair, 83% good; 33% mature, 33% 1993, 61% avg.; 11% harvested, 11% 1993, 10% avg. Soybeans 95% flowering, 85% 1993, 79% avg.; 79% setting pods, 47% 1993, 51% avg.; 26% maturing, 5% 1993, 3% avg. Peanuts 25% fair, 75% good; 95% setting pods, 84% 1993, 85% avg.; 2% mature, 22% 1993, 4% avg. Cotton 25% poor, 47% fair, 26% good, 2% excellent; 98% setting bolls, 100% 1993, 91% avg.; 6% open bolls, 9% 1993, 4% avg. Pasture feed 88% normal. Feeder steers, heifers \$2.00 per cwt.

OREGON: Temperatures: 3° below normal coast, 1° below normal western valleys, Columbia Basin 2° above normal, elsewhere 3° below normal. Precipitation: Astoria 0.14 in., Newport 0.05 in., Portland 0.02 in., elsewhere dry.

Soil moisture 78% short, 22% adequate. Winter wheat 99% harvested. Barley 71% harvested. Hay harvest continued statewide. Mint harvest continued, central areas. Alfalfa seed harvest underway, Malheur Co. Western areas: Sugarbeet seed harvests continued, 1995 sugarbeet seed seeding underway, mint harvest winding down, hops harvest full swing. Eastern Norkotah potato, onion harvest full swing, Russet, Burbank potatoes sizing. Green pepper, onion, tomato, potato, melon harvest

continued, Hermiston district. Willamette Valley: green bean, sweet corn, harvest full swing, Evergreen blackberry harvest continued, pruning, training, clean up of caneberry fields continued, peach, early to mid-season apple harvests continued, early prune harvest underway, hazelnuts, walnuts sized well. Hood River Valley Bartlett pear harvest continued, Medford district Bartlett pear harvest nearly completed. Cranberries continued to size, favorable conditions; southern coast. Livestock good. Range, pasture feed 61% of normal. Supplemental feeding continued Willamette Valley. Eastern ranges extremely dry; several forest, range fires continued. Stockwater continued to be hauled to much of eastern area livestock. Some early cattle movement off allotments underway.

PENNSYLVANIA: Cool early in week. Warm, humid weekend. Average temperature 72°, 3° above normal. Extremes 40°; 89°. Precipitation 1.44 in., 0.58 in. above normal.

Days suitable for fieldwork 4. Soil moisture 73% adequate, 27% surplus. Soybean 1% poor, 12% fair, 48% good, 39% excellent. Wheat harvest 100% complete, 100% 1993; planted 3% complete, 4% 1993. Oat harvest 91% complete, 89% 1993. Barley harvest 100% complete, 100% 1993; planted 3% complete, 6% 1993. Tobacco harvest 30% complete, 26% 1993. Potato harvest 30% complete, 25% 1993. Second cutting alfalfa 93% complete, 98% 1993. Third cutting alfalfa 55% complete, 59% 1993. Fourth cutting alfalfa 22% complete, 18% 1993. Second cutting clover-timothy 73% complete, 81% 1993. Quality of hay made 23% poor, 43% fair, 34% good. Feed from pastures good to excellent. Apple harvest 21% complete, 15% 1993. Grapes harvest 10% complete, 23% 1993. Fall plowing 24% complete, 23% 1993. Activities: Making hay; harvesting oats, fruits, vegetables, tobacco, potatoes; plowing; repairing equipment; fixing fences; hauling manure; caring for livestock; attending county fairs.

PUERTO RICO: Rainfall 1.40 in. was 0.33 in. below normal. Highest total rainfall 4.06 in. at Gurabo Aes, 3.72 in. at Trujillo Alto, 3.59 in. at Adjuntas Aes. Island temperatures 83 to 81° on the coasts, 77 to 78° interior with mean station temperature 84.6° at Rio Piedras Aes to 69.1° at Pico del Este Luquillo. Extremes 58°; 99°.

SOUTH CAROLINA: Rainfall 0.70 in.; temperatures 1 to 2° below normal.

Days suitable for fieldwork 5.8. Soil moisture 18% short, 77% adequate, 5% surplus. Tobacco fair to good; 83% harvested, 52% 1993, 74% avg.; 26% stalks destroyed, 5% 1993, 13% avg. Corn fair to good; 98% mature, 86% 1993, 91% avg.; 44% harvested, 34% 1993, 33% avg. Cotton 37% fair, 63% good; 7% open bolls, 22% 1993, 17% avg. Soybeans 26% fair, 74% good; 95% blooming, 88% 1993, 87% avg.; 66% setting pods, 53% 1993, 56% avg. 2% turning leaves, 2% 1993, 3% avg. Cantaloupes fair to good; 93% harvested, 91% 1993, 91% avg. Watermelons fair; 96% harvested, 97% 1993, 96% avg. Peaches fair to good; 98% harvested, 87% 1993, 94% avg. Apples fair to good; 15% harvested, 17% 1993, 26% avg. Sorghum fair to good; 22% harvested, 30% 1993, 24% avg. Fall hay fair to good; 47% harvested, 43% 1993, 47% avg. Pasture feed 27% fair, 73% good.

SOUTH DAKOTA: Temperatures 1 to 9° above normal. Extremes 35°; 103°. Precipitation 0.50 in. south-central; none to 0.20 in. across remainder of State. Highest total 1.52 in., south-central.

Days suitable for fieldwork 6.3. Topsoil 27% very short, 40% short, 32% adequate, 1% surplus. Subsoil 19% very short, 33% short, 42% adequate, 6% surplus. Flax 12% fair, 80% good, 8% excellent; 68% ripe, 71% 1993, 80% avg. Sunflower 16% fair, 64% good, 20% excellent; 80% ray flowers dry, 47% 1993, 48% avg. Livestock 4% fair, 83% good, 13% excellent. Feed supply 11% short, 81% adequate, 8% surplus. Pasture feed 85% of normal. Water supply 1% very short, 8% short, 83% adequate, 8% surplus. Ranchers busy repairing fences, corrals.

TENNESSEE: Temperatures below normal statewide. Plateau was 5° below normal, east was 3° below normal; middle, west areas 1° below normal. Rainfall was below normal for all regions.

Days suitable for fieldwork 5.3. Soil moisture 1% very short, 16% short, 82% adequate, 1% surplus. Corn 97% dough, 97% 1993, 90% avg.; 70% dent, 77% 1993, 75% avg.; 15% mature, 25% 1993, 25% avg.; 27% silage harvest, 39% 1993, 25% avg.; 5% fair, 69% good, 26% excellent. Cotton 9% open bolls, 25% 1993, 13% avg.; 1% fair, 97% good, 2% excellent. Tobacco 93% topped, 88% 1993, 87% avg.; 6% fair, 85% good, 9% excellent. Burley 35% harvested, 27% 1993, 35% avg. Dark fire-cured 43% harvest, 35% 1993, 36% avg. Dark air-cured 45% harvest, 32% 1993, 32% avg. Sorghum 68% turning, 81% 1993, 66% avg.; 16% mature, 17% 1993, 16% avg.; 11% fair, 86% good, 3% excellent. Soybeans 95% blooming, 94% 1993, 90% avg.; 62% setting pods, 75% 1993, 68% avg.; 3% shedding, 2% 1993, 1% avg.; 24% fair, 71% good, 5% excellent. Other hay, 1% poor, 9% fair, 85% good, 5% excellent. Alfalfa, 10% fair, 83% good, 7% excellent. Cattle, 4% fair, 90% good, 6% excellent.

TEXAS: High pressure dominated last week keeping most of the area warm, dry. A cold front early in the week brought a few showers, cool

weather; temperatures climbed significantly over the second half of the week, with many stations recording highs in the upper 90s, lower 100s. Temperatures within 3° of normal, except for the Northern High Plains, which ran about 5° above normal. Two of the cooler regions were the Cross Timbers, Coastal Bend districts, which averaged 3° below normal. Precipitation well below normal, with much of the State dry. All districts were below normal, with the Southern High Plains, both Northern, Southern Low Plains, the Edwards Plateau, Cross Timbers districts recording no rainfall. Parts of East Texas, Upper Coast received the most rain, still 0.25 to 0.50 in. below normal. A few individual locations recorded more than an inch, including 1.14 in. at Sam Rayburn Dam, 1.22 in. at Beaumont/Port Arthur, 1.42 in. at Dalhart.

Crops: Corn harvest activities continued throughout Central Texas, delays occurred in areas receiving rainfall. In the Plains, some early fields were harvested for silage. Irrigated fields made good progress, producers were busy controlling insects. Corn 86% normal, 84% 1993; 58% mature, 54% 1993; 54% harvested, 50% 1993. Cotton continued to make good progress, some fields were still shedding fruit due to heat, lack of moisture. Irrigation activities remained constant in the Plains. Harvest, defoliation activities continued from the Blacklands southward, however, rain caused delays in the Blacklands, Coastal Bend, along the Upper Coast. Stalk destruction was active in harvested fields. Cotton 65% normal, 74% 1993; 100% setting bolls, 92% 1993; 17% harvested, 12% 1993. Peanuts irrigation remained active in Cross Timbers, Plains, where above normal temperatures helped peanuts continue to make good progress. Dryland fields remained stressed, continued to need additional moisture. Some problems with leaf spot were reported in Cross Timbers, South Central Texas. Early planted fields were harvested in East Texas. Statewide peanut condition 80% normal, 71% 1993; 1% harvested, 1% 1993. Rice harvest activities continued to push forward along the Upper Coast, throughout South Central Texas. Heavy showers along the Upper Coast caused some delays, may reduce second cuttings. Rice 94% normal, 86% 1993. Sorghum harvest was virtually completed throughout southern Texas while harvest activities in the Blacklands were delayed by rain. Fields continued to show signs of moisture stress in the Plains, some green bug damage was reported. Sorghum 69% normal, 78% 1993; 95% headed, 94% 1993; 67% mature, 65% 1993; 60% harvested for grain, 60% 1993. Soybeans harvest continued to make good progress. Harvest of early planted fields in East Texas got underway. Soybeans 16% harvested, 10% 1993. Small grains planting of winter wheat was active in the Plains, some fields of oats were also planted. Land preparation, fertilizer application remained active. Wheat 6% planted, 5% 1993. Oats 1% planted, 0% 1993.

Commercial Vegetables: Rio Grande Valley cabbage, peppers, watermelons continued to make good progress. White flies continued to cause problems in some pepper fields. Irrigation was constant in citrus. San Antonio-Winter Garden cucumbers, cabbage made good progress. Fall vegetable planting preparations were active. Trans-Pecos onion, cantaloupe harvest was winding down. Chile harvest continued, fall squash, melons made good progress. East Texas harvest of tomatoes, peppers, squash, peas, beans, cucumbers, watermelons, cantaloupes, sweet potatoes continued. Some pruning of blueberries was occurring. High Plains pepper harvest got underway. Cucumber, carrot harvest continued. Peaches harvest continued to wind down in a few areas. Producers were active pruning trees, spraying for peach tree borers. Pecans shedding of nuts continued to be a problem. Spraying for pecan weevil, other insects was active. Some producers in South Central Texas began to make preparations for harvest.

Range and Livestock: Range, pasture forage continued to be short in most areas, especially in the Plains, Cross Timbers, Trans-Pecos. Pastures continued to green up, hay harvest was active in East Texas. Supplemental feeding increased, shipping of livestock increased in areas where forage remained short. Hornflies were a problem in some areas. Livestock remained in fair to good condition.

UTAH: Maximums 5° above normal; minimums 3° above normal. Precipitation light to moderate with few stations reporting no moisture. Days suitable for fieldwork 6.7. Soil moisture 94% short, 6% adequate. Irrigation water supply 40% very short, 59% short, 1% adequate. Stockwater supply 40% very short, 57% short, 3% adequate. Oats ripe 90%, 77% 1993; harvested for grain 73%, 36% 1993, 64% avg. Alfalfa hay 3rd cutting 55%, 34% 1993, 39% avg. Peaches harvested 64%, 58% 1993, 45% avg. Apples harvested 5%, 7% 1993. Pears harvested 55%, 31% 1993. Onions harvested 9%, 13% 1993. Cattle moved from summer range 14%, 2% 1993. Sheep moved from summer range 7%, 1% 1993. Pasture, range feed poor to fair. Major farm activities were harvesting alfalfa hay, small grains, apples, peaches, pears, melons, onions, vegetables, corn silage.

VIRGINIA: Temperatures near to slightly below normal. Extremes 49°; 90°. Rainfall near normal in the south, below normal in the north. Days suitable for fieldwork 6.9. Topsoil 3% short, 82% adequate, 15% surplus. Corn 4% very poor, 9% poor, 33% fair, 44% good, 10% excellent; grain harvest 4%, 5% 1993, 6% avg.; silage harvested 23%, 20% 1993, 23% avg.; silked 100%, 100% 1993, 100% avg.; dough stage 75%, 86% 1993, 82% avg.; dented 54%, 66% 1993, 62% avg.; mature 39%, 40% 1993, 40% avg. Soybean 11% fair, 85% good, 4% excellent;

bloom 88%, 90% 1993, 88% avg.; setting pods 67%, 66% 1993, 72% avg. Peanut 40% fair, 60% good. Cotton 33% good, 67% excellent. Flue tobacco 18% fair, 38% good, 44% excellent. Flue tobacco harvested 39%, 43% 1993, 48% avg. Burley tobacco 83% good, 17% excellent; tobacco harvested 13%, 6% 1993, 21% avg. Fire tobacco 8% fair, 23% good, 69% excellent; harvested 50%, 45% 1993, 56% avg. Sun tobacco 13% fair, 62% good, 25% excellent; harvested 25%, 45% 1993, 44% avg. Apple 15% fair, 85% good. Summer apple harvest 85%, 80% 1993, NA avg. Peaches harvested 95%, 90% 1993, 90% avg. Sweet potatoes harvested 1%. Pasture feed 7% fair, 65% good, 28% excellent. Alfalfa hay 7% fair, 63% good, 30% excellent. Other hay 12% fair, 70% good, 18% excellent. Cutting alfalfa, other hay, harvesting, marketing tobacco, spraying fruit trees, harvesting peaches, summer apples, scouting peanuts for sclerotinia, scouting soybeans for worms, treating some cotton for worms.

WASHINGTON: Temperatures 5° below normal to 2° above normal west; 1 to 7° below normal east. Precipitation none to 0.13 in. west; none to 0.33 in. east. Weather continued dry, hot.

Days suitable for fieldwork 7.0. Soil moisture 93% short, 7% adequate. Hay, other roughage supplies 3% very short, 10% short, 86% adequate, 1% surplus. Range, pasture 40% very poor, 47% poor, 8% fair, 5% good. Potatoes 17% fair, 83% good. Dry edible beans 10% fair, 90% good. Corn 1% poor, 15% fair, 81% good, 3% excellent. Winter wheat 99% harvested, 75% 1993, 90% avg. Spring wheat 99% harvested, 43% 1993, 82% avg. Barley 99% harvested, 55% 1993, 77% avg. Potatoes 13% harvested, 28% 1993, 20% avg. Corn silage 16% harvested, 23% 1993, 14% avg. Dry peas 100% harvested, 35% 1993, 83% avg. Alfalfa, second cutting, 98% complete, 90% 1993, 97% avg.; third cutting, 70% completed, 35% 1993, 60% avg. Dry beans 5% harvested, 0% 1993, 6% avg. Small grain harvest mostly finished, except limited acreage Spokane, Stevens Counties. Growers need rain. Soil moisture short, deep many areas. Rainfall needed prior to planting. Bartlett pear harvest almost finished Chelan County, complete Yakima valley. Winter pear harvest starting Chelan County. Early Red, Golden Delicious apple harvest began slowly Yakima valley. Vegetable harvest continues. Sweet corn, carrots harvested Franklin County, peppers picked Yakima. Abundant vegetables harvested westside. Range, pasture feed conditions very dry, short supply. Calf sales higher, due to drought. Cattle require protein supplements.

WEST VIRGINIA: Temperature 70°. Extremes 48°; 89°. Rainfall 0.60 in. Days suitable for fieldwork 5.1. Soil moisture 91% adequate, 9% surplus. Hay 7% fair, 67% good, 26% excellent; second cutting 60%, 67% 1993, 55% avg.; third cutting 45%, 54% 1993, 36% avg. Apples 50% poor, 50% fair. Corn 16% fair, 70% good, 14% excellent; silked 97%, 97% 1993, 95% avg.; dough stage, 55%, 86% 1993, 65% avg. Oats 100% good; harvested 90%, 100% 1993, 94% avg. Tobacco 28% fair, 72% good; topped 95%, 82% 1993, 79% avg.; 18% harvested, 12% avg. Gardens 29% fair, 62% good, 9% excellent. Soybeans 14% fair, 86% good; blooming 100%, 100% 1993; podding 84%, 96% 1993. Pasture feed 8% fair, 57% good, 35% excellent; 100% of normal. Cattle 7% fair, 82% good, 11% excellent. Sheep 36% fair, 64% good. Farm activities: cutting hay, harvesting oats, tobacco, gardening, equipment maintenance.

WISCONSIN: Temperature 69°, 3° above normal. Extremes 35°; 96°. Precipitation 0.20 to 1.90 in. For the second week in a row severe weather hit portions of State.

Days suitable for fieldwork 5.1. Soil moisture 28% short, 66% adequate, 6% surplus. Pasture feed 83%, 86% 1993, 77% avg. General condition of crops: 5% fair, 82% good, 13% excellent. Corn in dough or beyond 65%, 42% 1993, 52% avg.; dent or beyond 20%, 14% 1993, 17% avg.; mature 2%, none 1993, 2% avg.; 1% poor, 2% fair, 58% good, 39% excellent. Oats 10% poor, 49% fair, 36% good, 5% excellent; harvested 90%, 70% 1993, 81% avg. Soybean 10% fair, 64% good, 26% excellent; leaves turned 8%, 8% 1993, 10% avg. Third cutting hay harvested 35%, 19% 1993, 28% avg. Farmers, ag agents have reported crops in 95% good to excellent condition. Many commented that a few more weeks of frost-free weather will allow these excellent ratings to continue into harvest. While the corn in dough percent averaged 13 points above normal last week, corn in dent and corn mature percents have slowed closer to the normal with the cool August temperatures. White mold has become a problem in many soybean fields, and late blight has been reported in central areas potato fields. Third crop hay harvested jumped to 35% complete last week.

WYOMING: Temperatures this past week averaged normal to above normal with below normal precipitation. Casper was the hot spot at 9° above normal. Powell was coolest for the week, averaging 1° below normal. Precipitation was 0.10 to 0.40 in. below normal for most of the State. Exception was the northwest, receiving 0.40 to 0.60 in.

Days suitable for fieldwork 6.9. Topsoil 92% short, 8% adequate. Subsoil moisture 93% short, 7% adequate. Spring wheat 90% harvested, 21% 1993, 67% avg. Oats 63% harvested, 25% 1993, 60% avg. Barley 80% harvested, 54% 1993, 73% avg. Corn 86% dough, 12% 1993, 39% avg.; 41% dented, 0% 1993, 7% avg. Dry beans 87% leaves turning color, 12% 1993, 59% avg.; 33% windrowed, 0% 1993, 5% avg. Alfalfa 88% second cutting harvested, 58% 1993, 69% avg.; 15% third cutting, 0% 1993, 3% avg. Other hay 95% harvested, 89% 1993, 93% avg. Winter wheat acreage for harvest in 1995 24% planted, 8% 1993, 11% avg.

International Weather and Crop Summary

HIGHLIGHTS

August 21 - 27, 1994

FSU-WESTERN: Moderate to heavy rain eased drought over Moldova and southwestern Ukraine.

FSU-NEW LANDS: Spring grain harvesting began in the south, helped by mostly dry weather.

EUROPE: Rain helped immature corn in eastern Hungary.

AUSTRALIA: Dry weather dominated most wheat areas, with rain still needed in the east.

SOUTH AMERICA: Mostly dry weather covered the region, aiding coffee harvesting in Brazil.

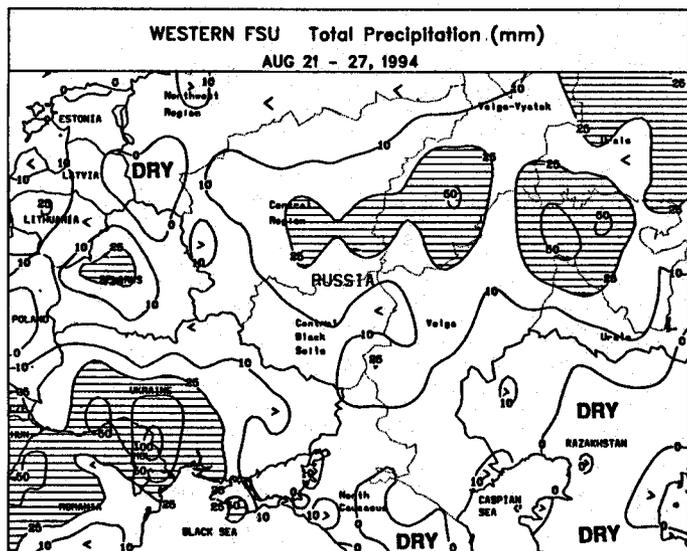
SOUTH ASIA: Showers benefited most Indian crops but caused additional flooding in eastern rice areas.

SOUTHEAST ASIA: Rain benefited grains and sugarcane in Indochina and the Philippines.

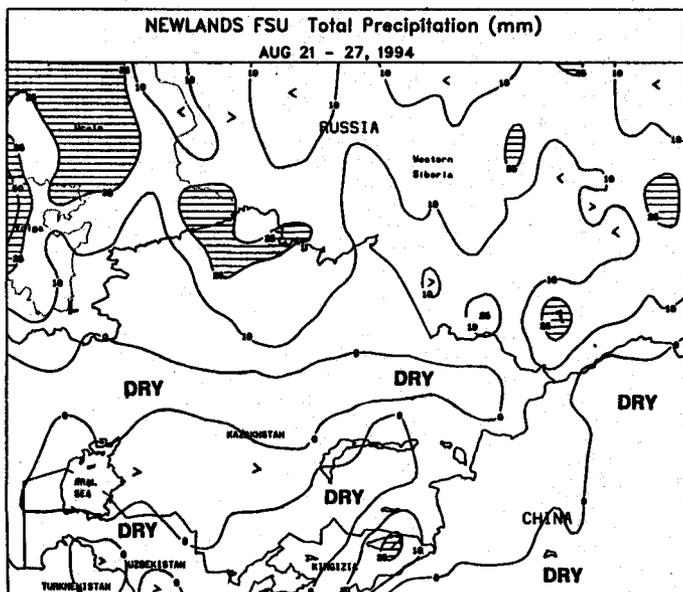
EASTERN ASIA: Typhoon Fred caused local crop damage but eased dryness in eastern China. Beneficial showers again prevailed across Japan.

MEXICO: Seasonal showers benefited summer crops across the main corn belt.

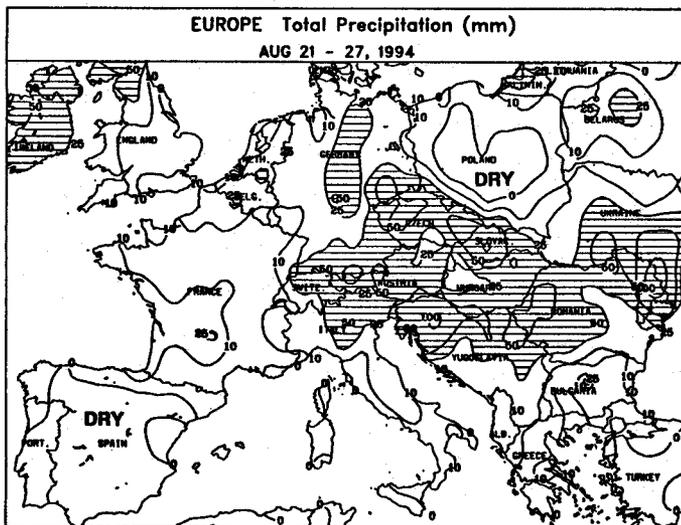
CANADA: Showers swept across the Prairies, generally coming too late for filling to maturing oilseeds and grains.



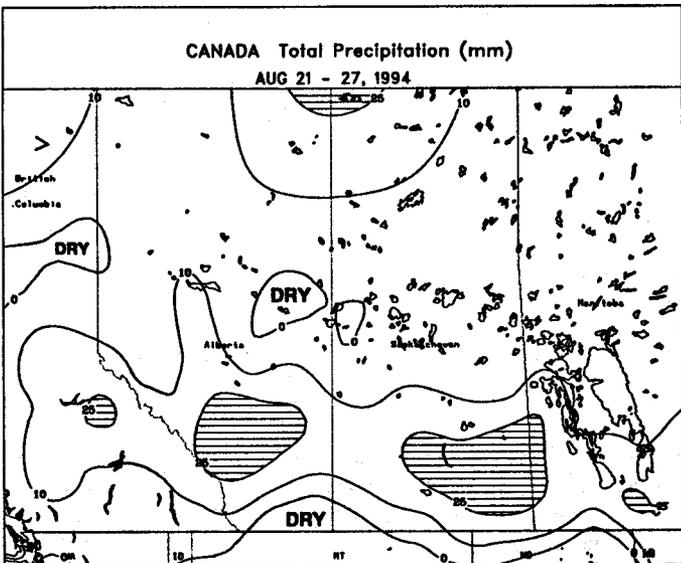
FSU-WESTERN: Moderate to heavy rain (25-50 mm, with local amounts in excess of 75 mm) eased drought conditions over Moldova and southwestern Ukraine. While the rain arrived too late to significantly improve prospects for summer crops (corn, sunflowers, and sugar beets), it helped recharge topsoil moisture for upcoming winter grain planting. In Russia, cool, rainy weather (10-50 mm) over Central Region, Volga Vyatsk, and upper Volga hampered fieldwork, but provided much-needed moisture for winter grain planting. Weekly average temperatures were 2-4 degrees Celsius (C) below normal over northern Russia, and warmer weather is needed to mature crops and prepare them for harvest. Since the optimum time for planting winter grains in these areas is late August, drier weather is needed to ensure that planting is completed on time. Farther south, chronic dryness continued to adversely affect summer crops in southern Russia (lower Volga and North Caucasus).



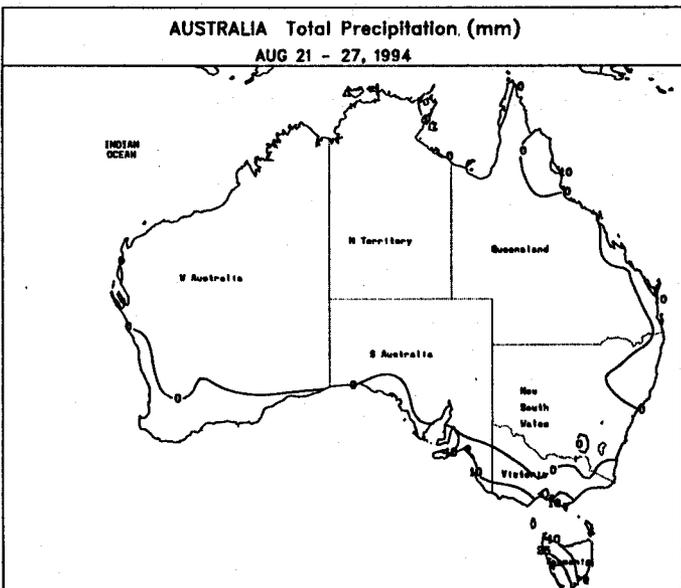
FSU-NEW LANDS: Spring grains were maturing over most of Kazakhstan and Russia, with early harvest occurring in southern areas. In Kazakhstan, rain (10-39 mm) over northern areas slowed crop maturation. In contrast, scattered showers over central and eastern Kazakhstan caused only minor delays in harvesting. In Russia, cool, wet weather over Urals slowed crop development. Warmer, drier weather is needed to mature crops. Mostly dry weather over the eastern half of Western Siberia favored crop maturation and early harvest. Weekly average temperatures over the region were 1-2 degrees C below normal in the west and 1-2 degrees C above normal in the east. In cotton growing areas of Central Asia, hot weather (highs ranging from 36 to 44 degrees C) promoted crop development.



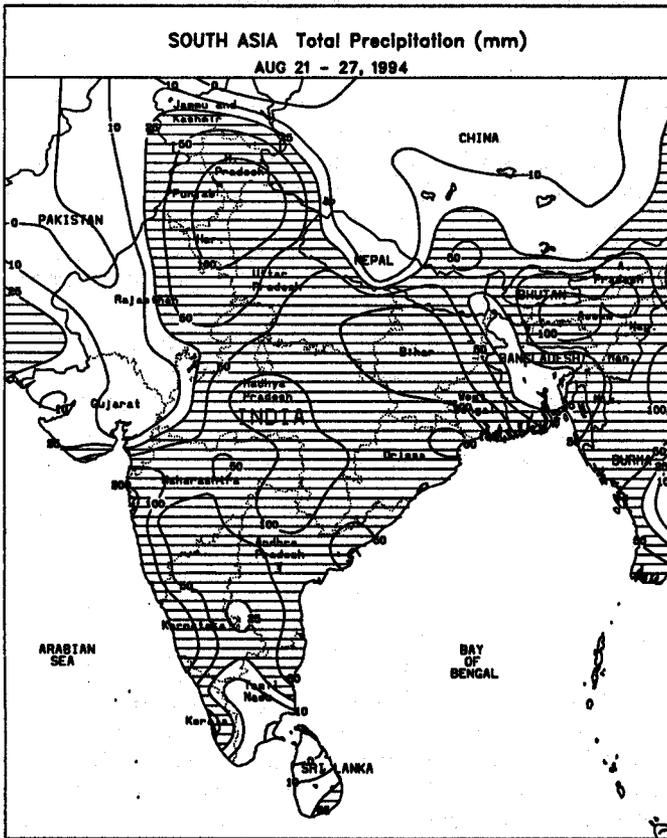
EUROPE: While dry weather returned to Poland following the previous week's rain, widespread showers (25-50 mm or more) moistened east-central Europe. Much-needed rain (23-56 mm) in eastern Hungary broke the long dry period, providing some late-season moisture for immature corn. Locally heavy rain (70-137 mm) delayed fieldwork in extreme northern areas of former Yugoslavia and scattered areas of both the Czech and Slovak Republics. Mostly light showers fell in western Europe, with weekly temperatures averaging 2-4 degrees C above normal in southern France, Spain, and Italy, hastening summer crop maturity. In Scandinavia, soaking rain (20-66 mm) delayed spring grain harvesting in Norway, Denmark, and western Sweden, but dry weather favored early harvesting in Finland.



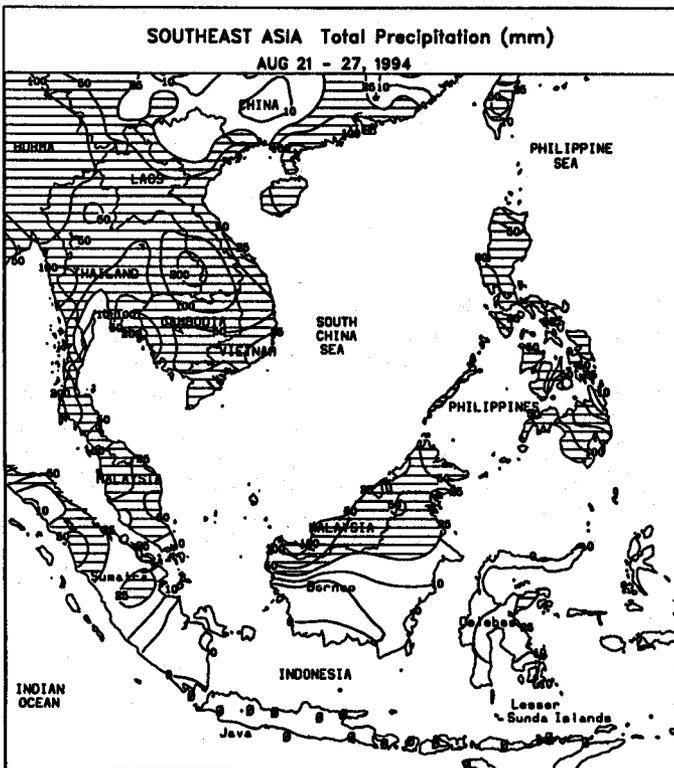
CANADA: Moderate showers (25-48 mm) stretched across central Prairie crop areas, coming too late for most filling to maturing grains and oilseeds. In fact, harvest was progressing in the south, and drier weather is needed in the wettest areas before fieldwork can commence. Temperatures averaged 1-2 degrees C above normal in most of Saskatchewan and Manitoba, but below normal in Alberta, although widespread frost was unlikely. In the east, warm weather aided summer crop growth in Ontario and Quebec. Moderate rain (21-23 mm) benefited Quebec's crops, but rain in Ontario was isolated.



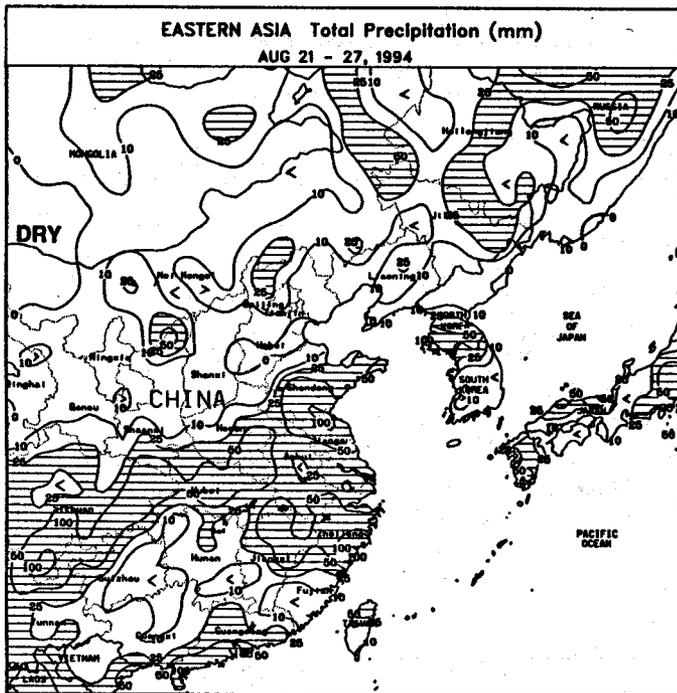
AUSTRALIA: Mostly dry weather (less than 5 mm) prevailed across the major wheat areas. While there is adequate soil moisture in the west, more rain is needed across the south and drought-stricken east as winter grains begin flowering and heading during the next month. Scattered light to moderate rain (5-20 mm) fell across Queensland's northeast coast, slowing sugarcane harvesting. Temperatures averaged near normal across the east and 2-4 degrees C above normal across the west.



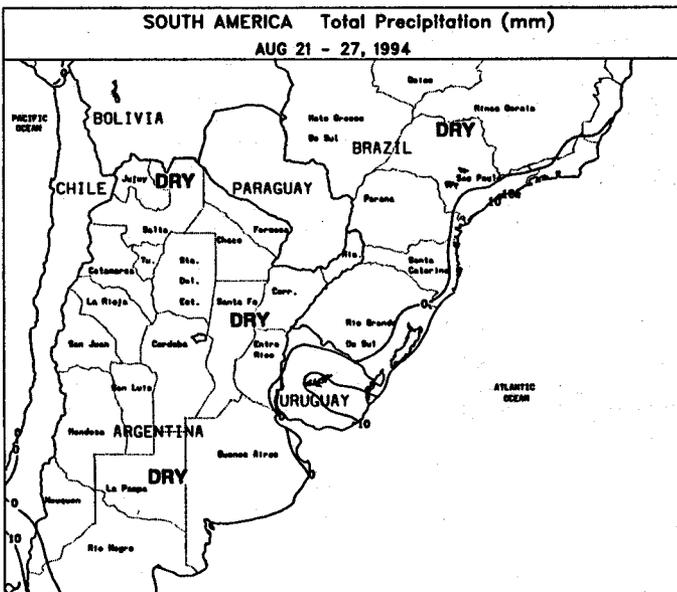
SOUTH ASIA: Heavy monsoon showers (100-196 mm) covered large sections of northern, central, and eastern India, maintaining adequate to abundant moisture reserves for reproductive to filling summer crops. However, additional flooding occurred in eastern rice areas. Rainfall was also excessive in central soybean areas (Madhya Pradesh), but drier weather (8-32 mm) returned to the western groundnut belt (Gujarat). In southern India, moderate showers (25-74 mm) covered nearly all grain, oilseed, and cotton areas, bringing some relief from the recent drying trend. Areas benefiting most from the rain are important sorghum, groundnut, cotton, and sugarcane producers. The monsoon typically withdraws from Pakistan in early September and begins its southward progression through India. Consequently, a peak in rainfall is experienced over parts of southern India from September to November, allowing fall (rabi) grain, oilseed, and cotton cropping.



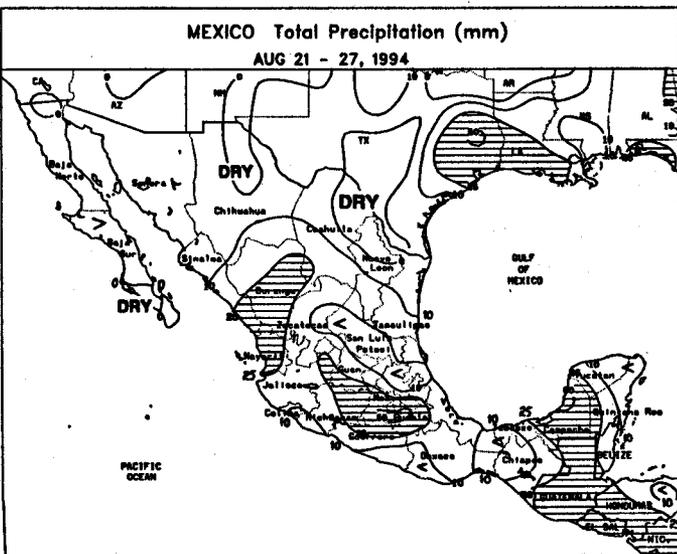
SOUTHEAST ASIA: Widespread, moderate to heavy showers (25-100 mm or more) covered Indochina, increasing moisture for secondary grains and oilseeds. Rainfall in central Thailand totaled 25-73 mm, improving prospects for secondary corn, rice, and sugarcane. The beneficial rains extended southward along the Malay Peninsula, although dry pockets continued in some oil palm areas. The drought continued over Java. In the Philippines, moderate showers (25-50 mm or more) were evenly distributed throughout the islands, benefiting rice, corn, and sugarcane.



EASTERN ASIA: Typhoon Fred hit eastern China (southeastern Zhejiang) on August 21, with sustained winds of 90-100 knots (104-115 mph), causing coastal crop damage. However, the remnants of Fred produced widespread showers (15-75 mm, with isolated amounts greater than 100 mm) across the southern portions of the North China Plain and lower Yangtze Valley, which helped to alleviate dryness in those regions. Moderate to heavy showers (25-100 mm) fell across central China (Hubei, southern Henan, southern Shaanxi, and Sichuan), benefiting immature summer crops. Tropical Storm Harry hit Hainan Island on August 26, bringing moderate to heavy rain (25-150 mm) to the island and southern Guangdong, causing some flooding. The rest of southern China received scattered light rain (5-15 mm). Light to moderate rain (15-40 mm) fell across Manchuria, keeping soils moist for filling summer crops but slowing spring wheat harvesting. Temperatures averaged near normal across most of China, with Sichuan and Manchuria reporting temperatures 2-3 degrees C above normal. Light to moderate showers (5-35 mm) fell across South Korea, while heavier amounts (15-65 mm, with local totals exceeding 100 mm) were reported across North Korea. Japan received light to moderate showers (10-50 mm), with some of the heaviest rain (20-125 mm) occurring in central Honshu. Showers during the past few weeks in Japan have provided needed relief from the previous hot, dry weather. Temperatures averaged only 1-2 degrees C above normal across the North and South Korea and most of Japan.



SOUTH AMERICA: Dry weather prevailed across the region, favoring citrus, coffee, and sugarcane harvesting in southern Brazil. Typically, June, July, and August are the driest months (20-40 mm normal per month) in Sao Paulo and Minas Gerais, with the rainy season beginning in September. In Argentina, soil moisture should still be adequate across most wheat areas, with portions of southern Santa Fe becoming dry. Temperatures averaged near normal across Argentina, promoting early wheat growth, and 2-4 degrees C above normal across southern Brazil.



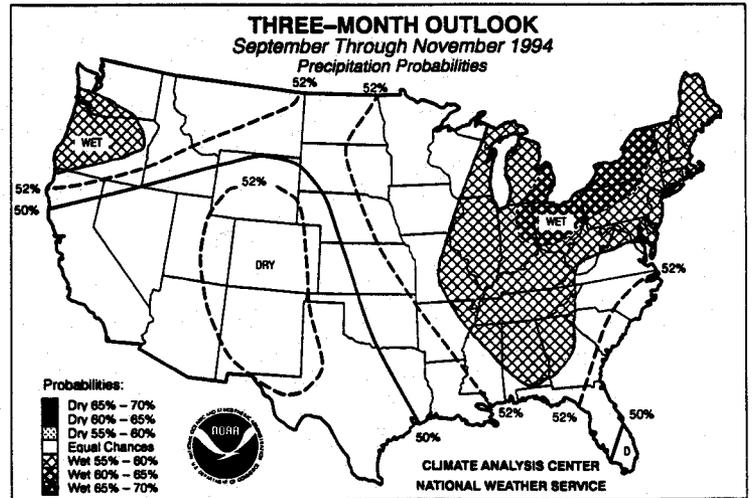
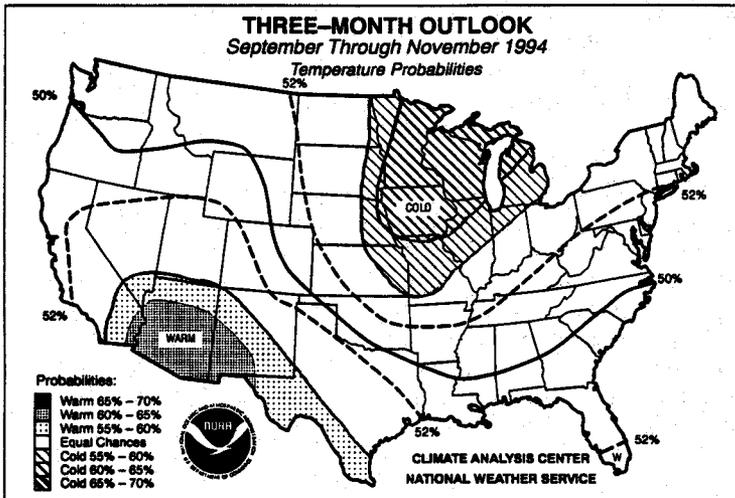
MEXICO: Seasonal showers (15-55 mm) continued across the Southern Plateau corn belt, benefiting filling corn and sorghum. Showers (10-50 mm) also covered the Yucatan Peninsula, aiding germinating to vegetative corn. Temperatures averaged near normal across the main corn belt.

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
 Managing Editor (acting) . . . *David Miskus* (202) 720-7919
 Editor *Brad Rippey* (202) 720-1444
 Meteorologists: *David Secora, Jeff Savadel, Jeff Linhardt*
 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, Bob Stefanski



**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