

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

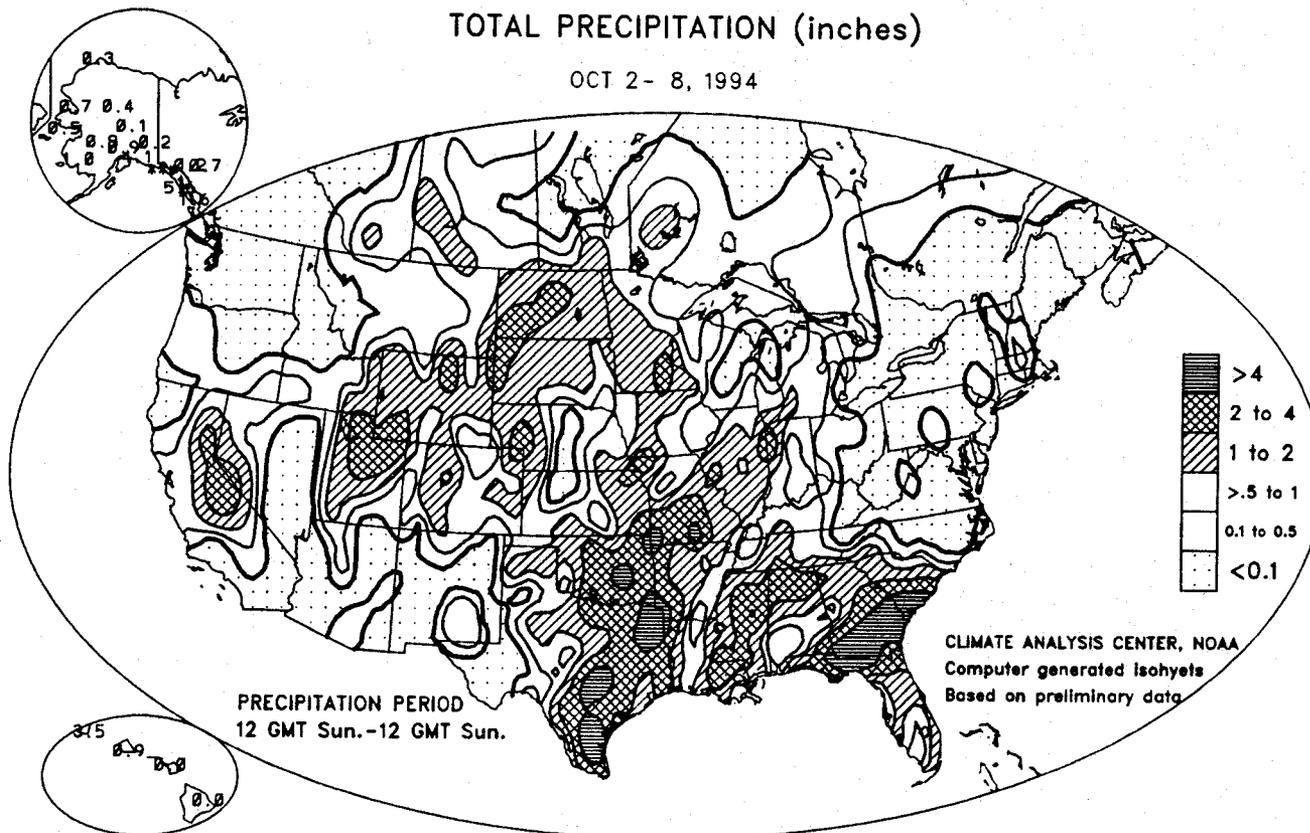
Volume 81, No. 41

Washington, D.C.

October 12, 1994

TOTAL PRECIPITATION (inches)

OCT 2 - 8, 1994



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

PRECIPITATION PERIOD
12 GMT Sun. - 12 GMT Sun.

HIGHLIGHTS

October 2 - 8, 1994

A tropical disturbance tracked from western Florida to coastal Georgia early in the week, producing heavy rainfall. Meanwhile, a storm system drifted southwestward from the northern Plains before stalling over northern California, sparking cool, unsettled weather, including locally heavy snowfall. Weekly temperatures averaged as much as 10°F below normal in Wyoming. During the latter half of the week, the storm accelerated northeastward, delivering a second shot of beneficial moisture to parts of the interior West. The Pacific Northwest, however, remained critically dry.

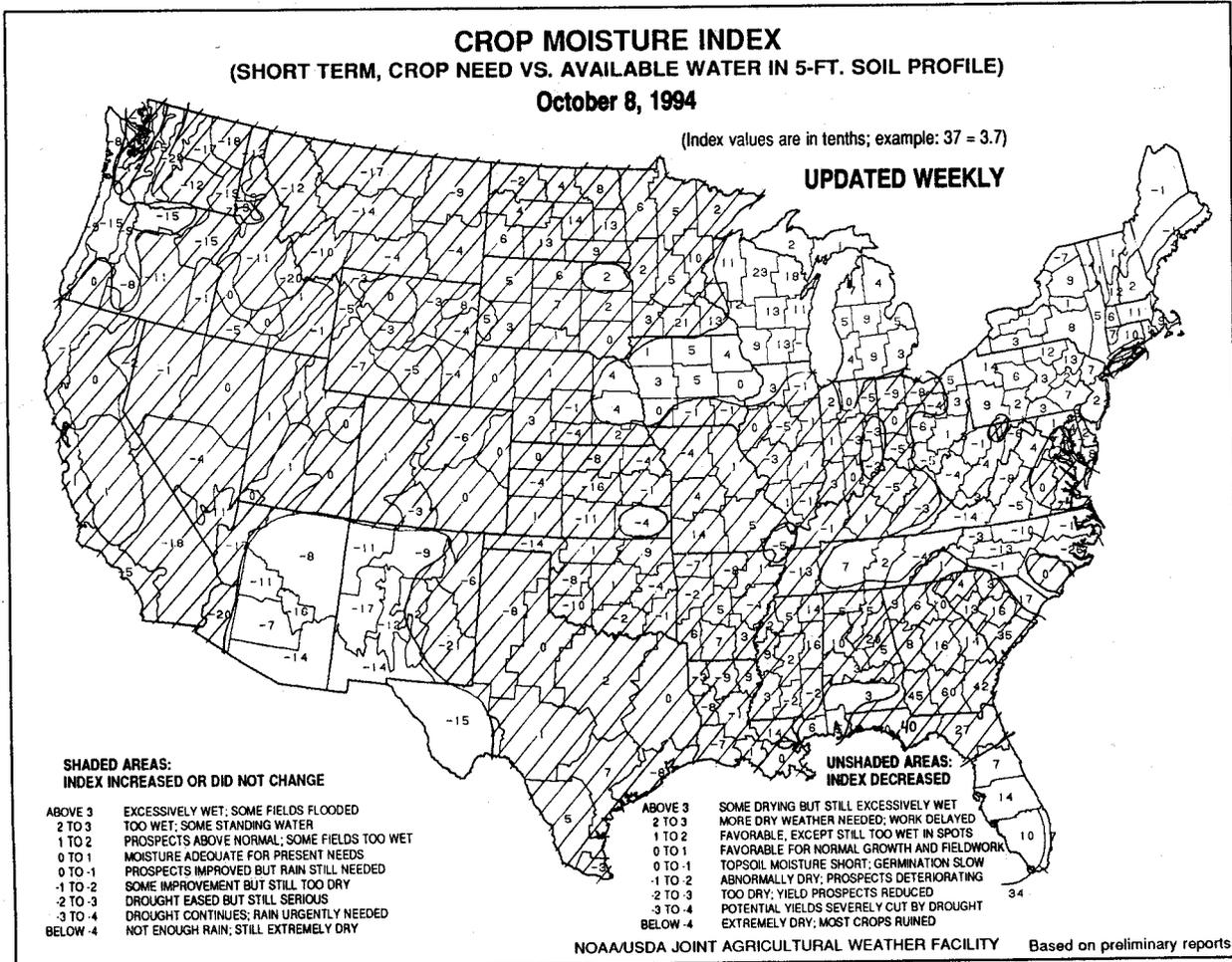
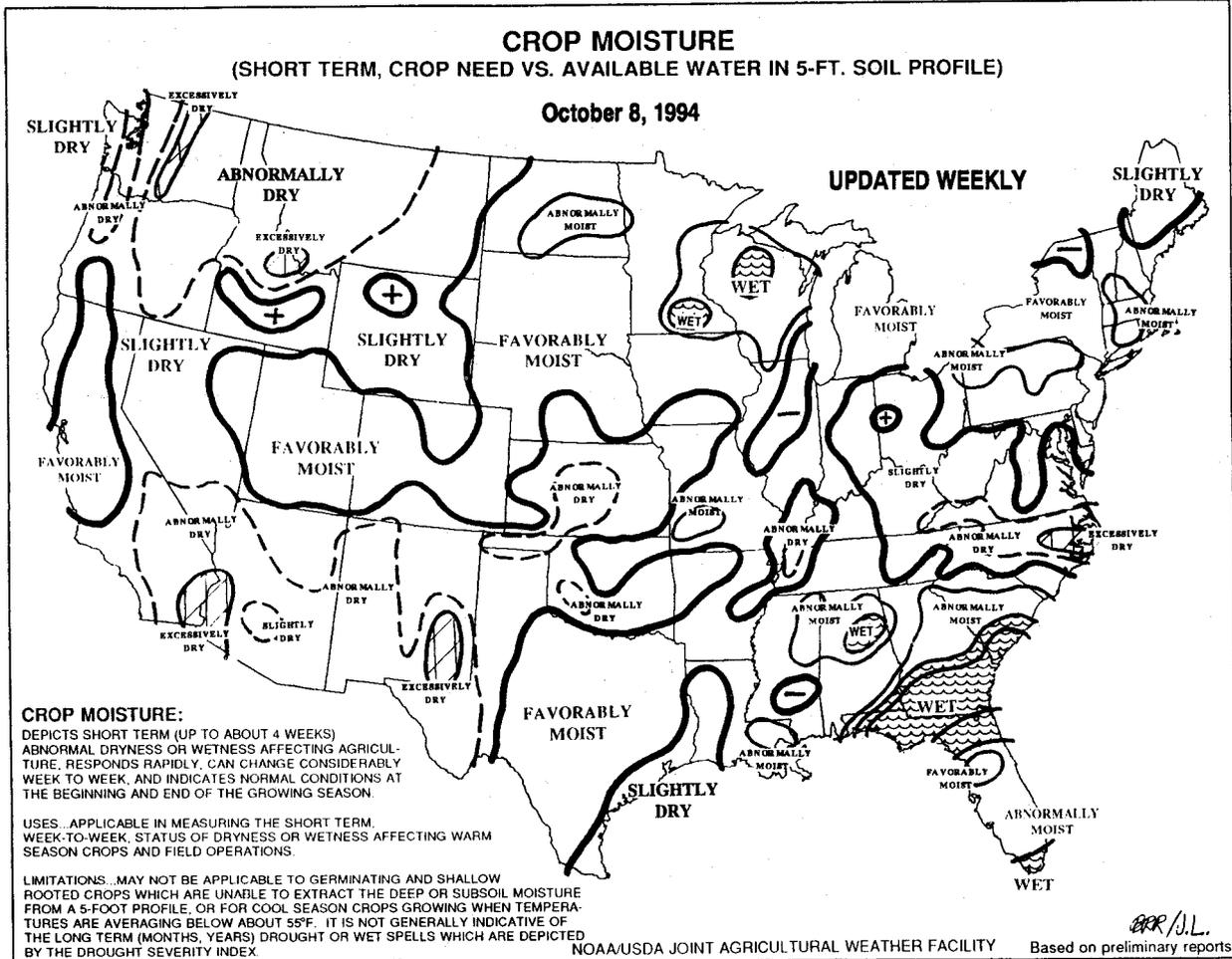
As the storm returned to the northern Plains, heavy rain fell in the western Dakotas, with lighter amounts observed in the Midwest, temporarily

(Continued to p. 9)

Contents

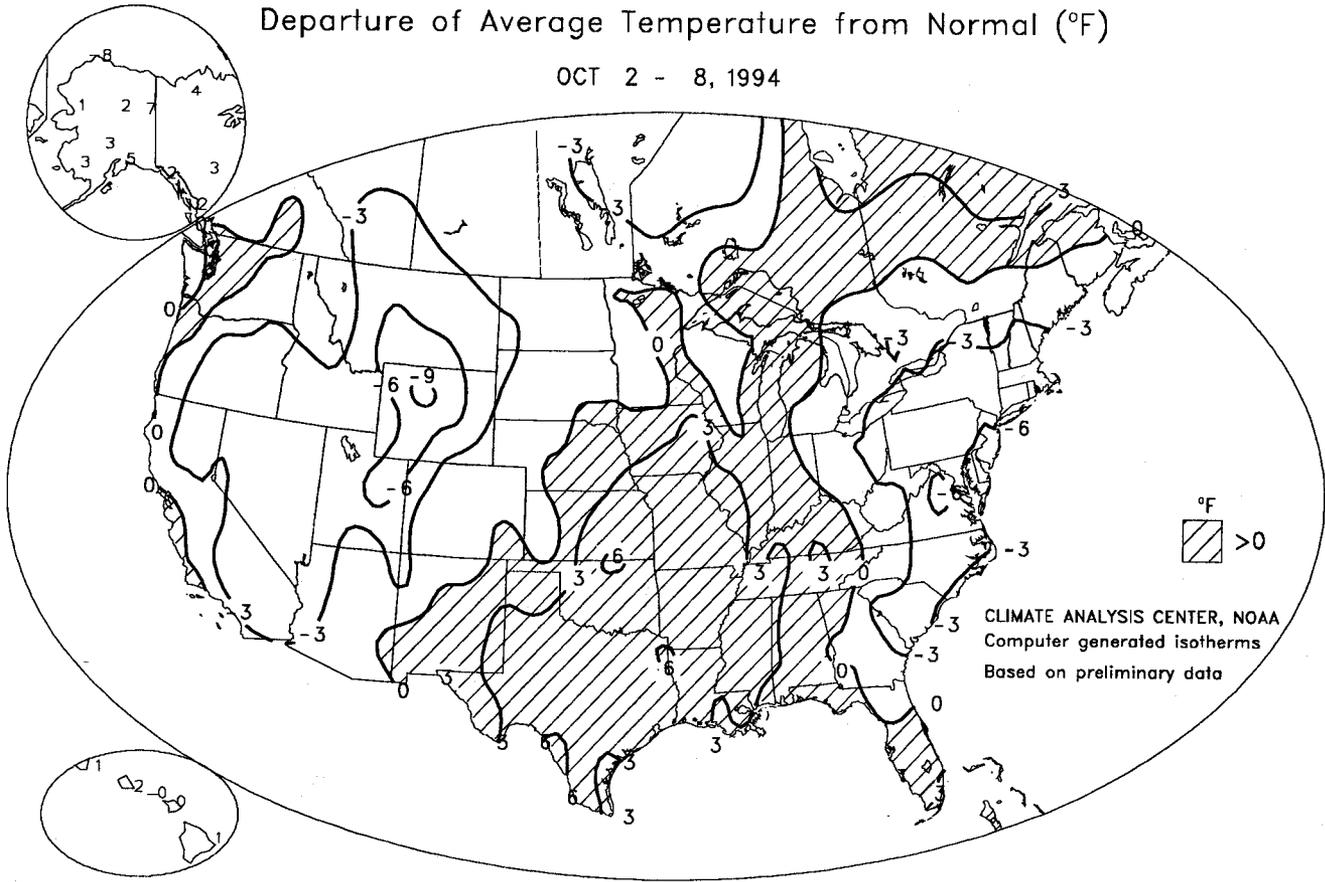
Page

Highlights & Total Precipitation Map	1
Crop Moisture Maps	2
Temperature Departure & Extreme Minimum Temperature Maps	3
Growing Degree Day Table	4
National Weather Data for Selected Cities	5
September Weather in Historical Perspective ..	8
September Crop Summary & U.S. Crop Production Highlights	9
National Agricultural Summary	10
Crop Progress and Condition Tables	11
State Summaries of Weather and Agriculture ...	12
International Weather and Crop Summary	17
Subscription and Mailing Permit Information ..	20



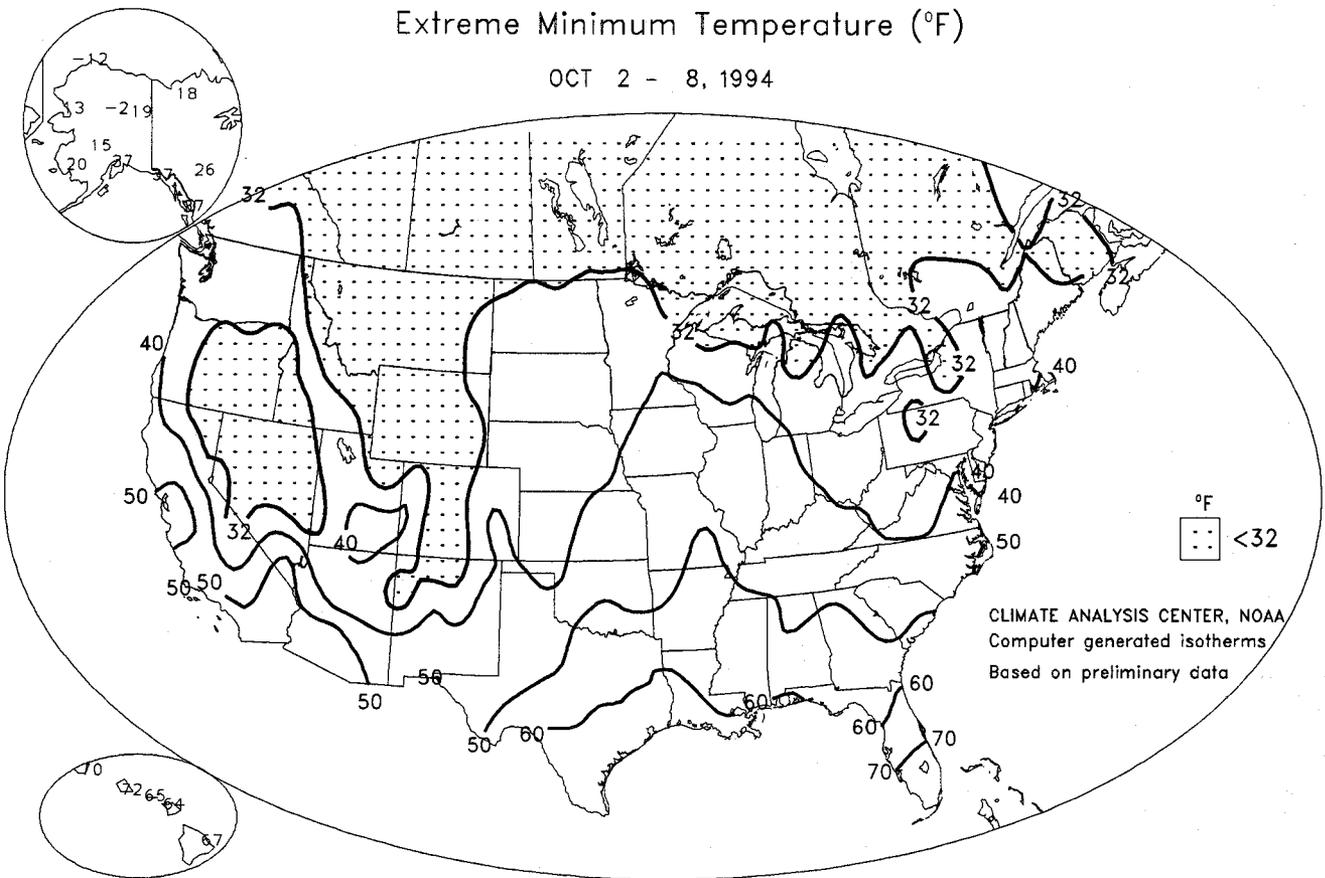
Departure of Average Temperature from Normal (°F)

OCT 2 - 8, 1994



Extreme Minimum Temperature (°F)

OCT 2 - 8, 1994



CUMULATIVE GROWING DEGREE DAYS (CORN*)

March 1 - October 8, 1994

STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL	STATES AND STATIONS	TOTAL	DEP. FROM NORMAL
AL ANNISTON	4696	+ 212	RUSSELL	4031	+ 348	YOONSTOWN	2741	+ 77
BIRMINGHAM	4693	+ 121	SALINA	4136	+ 309	ZANESVILLE	3102	+ 13
MOBILE	5296	+ 33	TOPEKA/BILLARD	3917	+ 174	OK ALTUS	4873	+ 207
MONTGOMERY	5131	+ 412	WICHITA	4249	+ 221	GAGE	4295	+ 216
MUSCLE SHOALS	4556	+ 177	KY LEXINGTON	3662	+ 20	HOBART	4647	+ 208
OZARK	5107	+ 186	BOWLING GREEN	3943	+ 1	MCALISTER	4668	+ 117
TUSCALOOSA	4854	+ 111	PADUCAH	4075	- 6	PONCA CITY	4613	+ 351
AZ DOUGLAS	4639	+ 395	LA LAFAYETTE	5484	+ 183	TULSA	4538	+ 55
FLAGSTAFF	.....	...	LAKE CHARLES	5609	+ 252	OR BAKER	2633	+ 412
PHOENIX	6123	+ 629	MONROE	5232	+ 325	EUGENE	2710	+ 365
TUCSON	5552	+ 521	NEW ORLEANS	5488	+ 137	NORTH BEND	1781	+ 359
YUMA	6451	+ 721	SHEVYSPORT	5153	+ 309	PENDLETON	3149	+ 357
PRESCOTT	3762	+ 671	ME AUGUSTA	2293	+ 90	REDMOND	2474	+ 230
AR EL DORADO	4848	+ 138	CARIBOU	1874	+ 205	PORTLAND	3024	+ 644
FAYETTEVILLE	4106	+ 175	HOOLOON	1994	+ 155	SALEM	2817	+ 508
FORT SMITH	4737	+ 267	PORTLAND	2320	+ 223	SEKTON SUMMIT	1874	+ 74
JONESBORO	4469	+ 22	MD BALIIBURY	3808	+ 235	PA ALLENTOWN	3341	+ 304
LITTLE ROCK	4750	+ 233	MA WORCESTER	2434	+ 70	PHILADELPHIA	3899	+ 673
TEXARKANA	4987	+ 114	MI GRAND RAPIDS	2752	...	WILLIAMSPORT	3100	+ 193
CA BAKERSFIELD	4675	+ 81	JACKSON	2758	- 8	SC BRAUFORT	5330	+ 353
BLIDE CANYON	2434	+ 227	LANSING	2673	- 125	CHARLESTON	5188	+ 333
DAGGETT	5281	+ 401	MURKESON	2485	- 3	COLUMBIA	4877	+ 204
FOURKA	1635	+ 615	PELLSTON	2161	+ 188	FLORENCE	4916	+ 247
FAIRFIELD	3675	+ 321	SALT ST. MARIE	1675	+ 23	BUNTER/SHAW AFB	4730	+ 65
FRESNO	4514	+ 461	TRAVERS CITY	2490	+ 199	SD ABERDEEN	2834	+ 317
MARYSVILLE	4247	+ 357	MINNAPOLIS	1933	+ 226	HURON	2893	+ 102
MT BEATA	2651	+ 295	INT'L FALLS	2062	+ 201	PIERRE	3146	+ 316
PASO ROBLES	3589	+ 271	MINNEAPOLIS	2828	...	RAPID CITY	3070	+ 429
RED BLUFF	4161	+ 61	ROCHESTER	2572	...	BLOOM FALLS	3133	+ 291
RIVERSIDE	4096	+ 197	ALEXANDRIA	2487	+ 157	WATERLOO	2534	+ 78
SANTA ANA	4432	+ 660	MI BILLOXI	5574	+ 190	TN BRISTOL	3694	+ 45
SAN DIEGO	3791	+ 193	COLUMBUS	5107	+ 526	CHATTANOOGA	4399	+ 188
SACRAMENTO	3809	+ 214	JACKSON	4916	+ 206	CROSSVILLE	3734	+ 441
THERMAL	5459	- 57	MERIDIAN	5145	+ 372	MEMPHIS	4911	+ 271
CO ALANOSA	2285	+ 64	GREENWOOD	5046	+ 253	NASHVILLE	4285	+ 50
DENVER	3494	+ 611	MO COLUMBIA	3690	+ 101	TX ABILENE	5001	+ 104
EAGLE	2442	+ 65	JOPLIN	4213	+ 128	AMARILLO	3999	+ 113
GRAND JUNCTION	3917	+ 379	SPRINGFIELD	4027	+ 205	AUSTIN	5565	+ 211
LA JUNTA	3879	+ 318	VICHY	3873	+ 96	BROWNSVILLE	6122	+ 79
DE DOVER	3551	- 141	MT HELIENA	2658	+ 566	COLLEGE STATION	5463	+ 188
WILMINGTON	3673	+ 255	KALISPELL	2277	+ 215	DALHART	3965	+ 317
FL DAYTONA BEACH	5675	+ 192	MILES CITY	3070	+ 379	DEL RIO	5800	+ 479
FORT MYERS	6234	+ 340	NE GRAND ISLAND	3455	+ 219	DALLAS/FT WORTH	5255	+ 287
GAINESVILLE	5357	- 34	NORFOLK	3444	+ 333	GALVESTON	6106	+ 398
JACKSONVILLE	5430	+ 78	NORTH PLATTE	3327	+ 364	HOUSTON/INTCNTRY	5672	+ 444
FORT LAUDERDALE	6746	+ 694	VALENTINE	3122	+ 80	KINGSVILLE/NAS	5943	+ 133
MIAMI	6603	+ 360	SCOTTSBLOFF	3260	+ 402	LAREDO	6193	+ 244
MILTON	5370	+ 305	SIDNEY	3170	+ 518	LUBBOCK	4649	+ 415
PENSACOLA	5473	+ 109	NV ELKO	2713	+ 205	MCALLEN	6308	+ 427
ST PETERSBURG	6104	+ 86	ELY	2674	+ 337	MIDLAND	4876	+ 148
TALLAHASSEE	5318	+ 141	LAS VEGAS	5732	+ 766	PALACIOS	5807	+ 155
TAMPA	6028	+ 271	RENO	3280	+ 551	SAN ANTONIO	5703	+ 244
VERO BEACH	5999	+ 310	WINNEMUCCA	3120	+ 406	VICTORIA	5729	+ 260
N. PALM BEACH	6294	+ 314	NE CONCORD	2629	+ 196	WACO	5262	- 4
GA ATHENS	4594	+ 212	NJ NEWARK	3923	+ 514	WICHITA FALLS	4832	+ 68
AUGUSTA	4740	+ 102	NM ALBUQUERQUE	4267	+ 722	WINK	5118	+ 314
BRUNSWICK	5418	+ 154	CARLEBAD	5027	+ 436	UT CEDAR CITY	3432	+ 507
COLUMBUS/METRO	5030	+ 196	CLOVIS	4216	+ 460	VT BARRIE-MONTPELIER	2178	+ 176
MACON	4899	+ 62	GALLUP	3101	+ 211	BURLINGTON	2572	+ 263
SAVANNAH	5358	+ 340	TRUTH OR CONSEQ.	4571	+ 451	VA CHARLOTTESVILLE	3916	+ 155
ID BOISE	3327	+ 507	ALBANY	2745	+ 96	HAMPTON/LANGLEY	4222	+ 187
BURLEY	3120	+ 642	ELMIRA	2690	+ 154	LYNCHBURG	3710	+ 83
IDAHO FALLS	2731	+ 485	GLENN FALLS	2939	+ 135	NORFOLK	4518	+ 464
POCATELLO	2870	+ 432	POUGHKEEPSIE	3059	+ 246	RICHMOND	4152	+ 222
IL BELLEVILLE	3858	+ 82	ROCHESTER	2728	+ 108	WA BELLINGHAM	2060	+ 423
CHICAGO/MIDWAY	3178	+ 14	SYRACUSE	2610	+ 17	HOQUIAM	1790	+ 277
DECATUR	3341	- 235	UTICA	2467	+ 63	SEATTLE-TACOMA	2505	+ 595
PEORIA	3439	+ 204	WATERTOWN	2390	- 39	SPOKANE	2658	+ 405
ROCKFORD	3023	+ 118	NC ASHEVILLE	3521	+ 126	TACOMA	.....	...
SPRINGFIELD	3607	+ 92	FAYETTEVILLE	4621	+ 272	WALLA WALLA	3644	+ 694
QUINCY	3432	- 13	GREENSBORO	4002	+ 54	WEAATCHIE	3420	+ 460
IN INDIANAPOLIS	3447	+ 71	HICKORY	4077	+ 156	YAKIMA	3086	+ 395
SOUTH BEND	3035	+ 115	RALEIGH	4289	+ 198	WV HUNTINGTON	3654	+ 245
TERRE HAUTE	3411	- 32	WILMINGTON	4805	+ 183	MARTINSBURG	3428	+ 92
IA DES MOINES	3375	+ 56	NEW BERN	4654	+ 174	MORGANTOWN	3250	+ 15
MASON CITY	2869	- 26	ND BISMARCK	2609	+ 240	WI EAU CLAIRE	2730	+ 250
OTTUMWA	3422	+ 122	DICKINSON	2424	+ 187	GREEN BAY	2654	+ 317
BLOOM CITY	3326	...	JAMESTOWN	2503	+ 196	LACROSSE	2971	+ 176
WATERLOO	3114	...	MINOT	2448	+ 280	MADISON	2922	+ 176
KS CHANUTE	4045	+ 91	GRAND FORKS	2511	+ 296	WAUSAU	2520	+ 231
DOGUE CITY	3946	+ 191	OH AKRON-CANTON	2861	+ 7	CASPER	3061	+ 648
GARDEN CITY	3888	+ 203	COLUMBUS	3341	+ 184	LANDER	2949	+ 583
GOODLAND	3446	+ 335	DAYTON	3325	+ 35	SHERIDAN	2801	+ 480
MEDICINE LODGE	4420	+ 324	FINDLAY	2901	- 74	WORLDAND	3136	+ 605

Based on 1951-80 normals.
Last tabulation for season.

* 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 October 8, 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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																			.01 INCH OR MORE	.50 INCH OR MORE		
AL BIRMINGHAM	78	59	81	49	68	2	1.4	.7	1.3	6.0	129	48.3	112	93	56	0	0	0	0	2	1	
MOBILE	81	65	85	59	73	1	1.5	.7	1.5	6.2	92	46.4	88	93	58	0	0	0	0	1	1	
MONTGOMERY	80	61	85	54	70	2	1.2	.6	.9	5.8	132	46.2	105	94	61	0	0	0	0	2	2	
AK ANCHORAGE	50	41	54	37	45	5	.4	.2	.1	2.0	61	8.2	67	90	67	0	0	0	0	4	4	
BARROW	19	5	26	-12	12	-8	.3	.2	.2	.7	99	4.0	109	93	84	0	0	7	3	3	0	
FAIRBANKS	48	27	56	21	37	4	.1	.1	.1	.6	60	6.9	80	95	52	0	6	6	2	0	0	
JUNEAU	51	44	56	36	48	2	3.4	1.6	1.2	11.6	131	38.0	97	95	76	0	0	0	0	6	3	
KODIAK	52	41	55	35	46	3	1.0	.7	.6	10.4	117	64.3	130	96	67	0	0	0	0	5	1	
NOME	38	31	46	19	35	1	.5	.2	.2	2.4	85	14.1	116	84	65	0	4	4	4	0	0	
AZ PHOENIX	88	65	93	59	77	2	.0	.2	.0	1.7	164	4.5	81	52	21	4	0	0	0	0	0	
PRESCOTT	72	43	78	36	57	-1	.0	.3	.0	2.1	92	10.9	70	70	44	0	0	0	0	0	0	
TUCSON	87	61	92	53	74	-1	.0	.3	.0	1.5	73	5.3	56	64	21	2	0	0	0	0	0	
YUMA	89	67	95	59	78	-3	.0	.1	.0	1.4	376	2.1	93	59	22	3	0	0	0	0	0	
AR FORT SMITH	83	59	88	47	71	5	1.9	1.2	1.2	2.2	53	41.3	132	94	46	0	0	0	0	2	2	
LITTLE ROCK	81	62	85	54	72	5	1.7	.8	1.6	3.5	62	44.1	119	80	51	0	0	0	0	2	1	
CA BAKERSFIELD	81	57	88	51	69	-3	.7	-.1	.1	.1	43	4.3	104	53	27	0	0	0	0	2	0	
BUREKA	64	47	70	41	56	0	.0	-.4	.0	.1	5	19.5	86	92	56	0	0	0	0	0	0	
FRESNO	78	57	90	52	68	-1	.8	.7	.5	1.0	303	7.3	100	89	33	1	0	0	2	1	0	
LOS ANGELES	76	61	98	58	69	0	.1	.1	.1	.1	38	6.4	77	86	41	1	0	0	1	0	0	
REDDING	81	50	96	43	66	-2	.7	-.3	.7	.2	18	15.2	74	72	19	1	0	0	1	0	0	
SACRAMENTO	78	53	90	49	65	-2	.7	-.1	.7	.7	0	6.7	59	98	45	1	0	0	0	0	0	
SAN DIEGO	75	62	89	57	68	-1	.7	.0	.7	.7	0	8.2	125	80	45	0	0	0	0	0	0	
SAN FRANCISCO	73	55	84	52	64	1	.4	.2	.4	.5	122	11.1	88	93	50	0	0	0	1	0	0	
CO DENVER	66	46	75	40	56	0	.2	-.1	.1	1.4	93	8.9	67	93	44	0	0	0	4	0	0	
GRAND JUNCTION	69	48	75	42	58	-3	.7	-.3	.7	1.7	122	5.3	67	90	32	0	0	0	2	0	0	
PUEBLO	71	44	77	37	57	-1	1.1	.9	1.0	1.3	121	14.0	142	93	37	0	0	0	3	1	1	
CT BRIDGEPORT	64	44	70	39	54	-5	.0	-.7	.0	4.7	123	33.3	104	78	45	0	0	0	0	0	0	
HARTFORD	65	39	75	35	52	-4	.0	-.8	.0	5.5	118	41.6	124	85	39	0	0	0	0	0	0	
DC WASHINGTON	67	49	74	44	58	-5	.7	-.7	.7	2.9	71	32.6	108	85	47	0	0	0	1	0	0	
FL PANAMA CITY	80	66	83	60	73	1	2.4	1.5	2.4	9.7	148	44.5	83	96	67	0	0	0	1	1	1	
DAYTONA BEACH	84	71	89	67	78	2	1.2	.1	.4	7.2	95	47.6	120	98	69	0	0	0	5	0	0	
JACKSONVILLE	81	65	89	58	73	-2	2.8	1.7	1.5	12.6	152	52.4	126	96	69	0	0	0	4	2	2	
KEY WEST	87	77	88	73	82	0	1.8	.7	.9	15.0	210	36.8	116	92	71	0	0	0	4	2	0	
MIAMI	88	76	90	75	82	2	.7	-.8	.5	15.3	164	58.0	122	91	61	1	0	0	2	0	0	
ORLANDO	86	71	88	67	78	1	1.0	.3	.4	9.4	136	53.9	128	97	67	0	0	0	4	0	0	
TALLAHASSEE	82	63	88	52	73	0	6.7	5.9	6.5	18.6	289	79.9	146	94	61	0	0	0	3	1	1	
TAMPA	87	71	91	66	79	2	.3	-.4	.2	8.5	126	42.5	110	96	61	2	0	0	2	0	0	
WEST PALM BEACH	87	75	91	71	81	1	1.2	-.7	.4	12.9	138	59.0	123	93	63	1	0	0	3	1	0	
GA ATLANTA	75	58	81	54	67	1	1.2	.6	.6	7.1	169	52.0	129	94	59	0	0	0	2	2	2	
AUGUSTA	75	54	79	47	65	-3	3.0	2.3	1.7	3.2	85	35.8	98	98	61	0	0	0	2	2	2	
MACON	77	57	82	51	67	-2	1.7	1.2	1.5	3.4	101	49.4	137	98	61	0	0	0	2	1	1	
SAVANNAH	76	60	78	51	68	-2	8.2	7.6	7.1	14.8	285	49.7	117	97	62	0	0	0	3	2	2	
HI HILO	86	69	87	67	78	1	.7	-1.9	.7	23.7	222	131.5	138	88	65	0	0	0	0	0	0	
HONOLULU	90	76	92	72	83	3	.9	.5	.8	1.1	92	13.1	98	81	53	4	0	0	2	1	1	
KAHULUI	88	69	90	64	78	0	.7	-.2	.7	1.1	208	10.6	75	80	58	2	0	0	0	0	0	
LIHUE	84	75	87	70	79	1	3.5	2.6	1.5	4.5	136	24.8	86	83	67	0	0	0	4	3	0	
ID BOISE	62	39	75	31	51	-5	.2	.1	.2	.3	32	5.3	61	82	34	0	0	2	4	0	0	
LEWISTON	67	44	73	39	55	-1	.0	-.2	.0	.4	35	6.7	70	50	24	0	0	0	0	0	0	
POCATELLO	58	38	67	32	48	-5	.7	.5	.3	1.1	101	6.2	68	91	52	0	0	2	5	0	0	
IL CHICAGO	66	49	75	40	58	1	.8	.2	.7	1.9	41	22.1	77	79	48	0	0	0	2	1	0	
MOLINE	70	51	82	46	61	3	.3	-.4	.3	1.9	38	24.4	76	82	49	0	0	0	2	0	0	
PEORIA	71	51	79	45	61	2	1.3	.6	.8	2.6	55	17.6	60	84	48	0	0	0	2	2	2	
QUINCY	72	52	80	44	62	2	1.4	.6	.7	1.8	31	15.9	50	75	47	0	0	0	2	2	2	
ROCKFORD	64	46	76	42	55	-1	.4	-.3	.4	6.4	139	30.3	102	97	64	0	0	0	1	0	0	
SPRINGFIELD	74	54	79	48	64	4	.9	.2	.8	1.8	44	28.5	102	81	49	0	0	0	2	1	0	
IN EVANSVILLE	78	52	83	47	65	2	.4	-.2	.4	3.0	78	25.4	71	87	39	0	0	0	1	0	0	
FORT WAYNE	70	44	83	38	57	0	.5	-.1	.5	1.7	52	23.2	85	91	43	0	0	0	1	0	0	
INDIANAPOLIS	71	49	81	42	60	1	1.0	.3	1.0	5.6	75	26.1	83	83	44	0	0	0	1	0	0	
SOUTH BEND	68	47	80	43	57	1	1.0	.3	1.0	5.7	129	28.4	94	86	47	0	0	0	1	1	1	
IA DES MOINES	69	52	80	47	60	3	.4	-.4	.2	3.5	75	23.4	81	82	46	0	0	0	3	0	0	
SIoux CITY	64	50	76	38	57	0	1.4	.8	.9	5.9	171	22.3	98	97	48	0	0	0	4	1	1	
WATERLOO	67	51	80	42	59	4	.6	.0	.5	4.3	100	30.4	106	85	49	0	0	0	3	0	0	
KS CONCORDIA	72	53	82	42	63	2	.8	.3	.5	1.8	48	15.0	59	94	54	0	0	0	3	1	1	
DODGE CITY	73	52	80	37	62	0	.6	.3	.4	1.5	65	15.2	80	88	37	0	0	0	3	0	0	
GOODLAND	67	46	76	35	56	-1	1.0	.8	.9	1.3	72	12.7	77	93	52	0	0	0	3	1	1	
TOPEKA	76	57	85	44	66	5	.3	-.5	.2	1.8	38	21.2	71	90	47	0	0	0	3	0	0	
WICHITA	79	60	85	46	69	6	.1	-.6	.1	1.2	25	17.0	58	84	47	0	0	0	2	0	0	
KY BOWLING GREEN	77	49	83	43	63	1	.0	-.7	.0	3.0	67	45.0	115	96	48	0	0	0	0	0	0	
LEXINGTON	74	50	81	42	62	1	.0	-.6	.0	1.2	31	36.8	104	91	49	0	0	0	0	0	0	
LOUISVILLE	75	52	82	46	64	2	.1	-.5	.1	3.1	80	27.1	77	90	48	0	0	0	1	0	0	
LA BATON ROUGE	83	65	86	59	74	2	2.6	1.8	2.6	7.1	122	52.9	109	100	63	0	0	0	1	1	1	
LAKE CHARLES	88	67	93	64	78	5	.2	-.8	.2	3.6	53	32.6	76	96	54	2	0	0	1	0	0	
NEW ORLEANS	85	67	87	59	76	4	.1	-.7	.1	6.1	96	44.2	89	95	56	0	0	0	1	0	0	
SREVEPORT	89	63	93	61	76	7	3.2	2.3	1.8	3.3	68	38.1	101	92	44	5	0	0	2	2	2	

Based on 1961-90 normals.

Weather Data for the Week Ending October 8, 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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM		AVERAGE MINIMUM	90 AND ABOVE		32 AND BELOW
															90 AND ABOVE		32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	58	38	73	32	48	1	5	-7	5	3.2	75	30.8	112	84	49	0	2	0	0
PORTLAND	60	37	68	34	49	-4	5	-8	5	6.6	166	33.6	106	86	50	0	0	0	0
MD BALTIMORE	67	45	74	39	56	-5	5	-6	5	4.1	99	37.8	119	88	45	0	0	1	0
SALISBURY	67	42	78	34	54	-7	5	-8	5	3.5	77	33.3	93	93	44	0	0	0	0
MA BOSTON	64	46	75	42	55	-4	5	-7	5	4.7	122	37.7	122	76	41	0	0	1	0
CHATHAM	59	48	64	43	54	-3	0	-9	0	2.4	52	35.1	105	79	51	0	0	0	0
MI ALPENA	62	39	73	30	51	0	0	-8	0	2.4	64	25.9	112	92	53	0	2	1	1
DETROIT	66	44	78	39	55	-1	0	-3	0	2.9	85	25.1	98	85	47	0	0	1	1
FLINT	64	41	75	35	52	-2	0	-3	0	4.1	98	27.0	113	92	55	0	0	1	1
GRAND RAPIDS	65	43	77	36	54	-1	1	-3	1	3.4	68	37.8	136	91	53	0	0	1	1
HOGENTON LAKE	62	43	74	30	53	-2	0	-2	0	2.2	55	23.9	106	88	53	0	1	1	1
LANSING	65	40	77	34	53	-1	0	-1	0	3.7	80	28.1	113	96	54	0	0	1	1
MARQUETTE	58	38	73	28	48	0	0	-9	0	2.9	58	20.0	74	90	52	0	4	4	1
MUSKOGON	64	44	73	35	54	0	0	-7	0	3.8	81	26.9	110	89	54	0	0	1	1
SACLY ST. MARIE	57	39	68	29	48	-1	0	-4	0	1.9	42	22.7	89	93	52	0	1	1	1
MN ALEXANDRIA	55	44	66	37	50	-2	1	-7	1	3.6	107	15.6	71	99	70	0	0	2	2
DULUTH	55	41	66	33	48	-3	0	-1	0	6.4	139	26.2	104	90	53	0	0	4	4
INT'L FALLS	55	40	64	33	48	0	0	-3	0	3.9	102	19.7	94	90	60	0	0	3	3
MINNEAPOLIS	60	49	73	44	54	1	2	-7	1	7.0	210	25.4	105	89	65	0	0	4	4
ROCHESTER	59	47	74	41	53	1	1	-4	1	4.6	111	28.3	111	93	59	0	0	4	4
MS GREENWOOD	85	62	88	54	73	5	2	-2	2	4.1	98	36.8	90	92	45	0	0	2	2
JACKSON	82	61	84	54	71	4	1	-8	1	3.2	87	46.8	112	96	51	0	0	1	1
MERIDIAN	82	61	87	53	72	4	0	-4	0	2.6	60	51.3	117	94	57	0	0	3	3
MO CAPE GIRARDEAU	78	55	83	47	66	3	1	-4	1	3.6	83	32.7	92	92	46	0	0	1	1
COLUMBIA	75	54	83	44	64	4	1	-1	1	2.9	61	29.7	98	92	56	0	0	2	2
KANSAS CITY	73	56	83	43	64	3	0	-6	1	3.0	50	22.4	70	93	54	0	0	2	2
SAINT LOUIS	77	58	82	51	67	4	1	-4	1	2.2	57	26.4	90	82	43	0	0	1	1
SPRINGFIELD	76	59	85	45	68	6	3	-2	2	5.2	90	39.0	114	84	49	0	0	4	4
MT BILLINGS	57	38	66	36	48	-5	0	-1	1	1.6	92	10.4	82	84	49	0	0	2	2
GLASGOW	57	36	69	30	46	-5	0	-8	1	1.0	82	8.5	86	95	60	0	2	1	1
GREAT FALLS	56	36	68	30	46	-6	0	-2	0	2	47	8.5	64	90	50	0	3	2	0
HAVRE	59	32	70	27	46	-5	0	-2	0	3	20	6.0	60	96	51	0	3	1	0
HELENA	59	33	68	30	46	-3	0	-2	0	3	21	5.9	58	94	44	0	3	3	0
KALISPELL	58	29	63	24	44	-2	0	-2	0	8	53	7.9	61	97	53	0	5	0	0
MILES CITY	57	39	69	32	48	-5	0	-4	1	1.7	109	7.9	65	96	51	0	1	1	0
MISSOULA	62	37	68	29	49	1	0	-2	0	3	25	9.1	83	93	36	0	1	1	0
NE GRAND ISLAND	67	49	77	36	58	1	0	-3	4	2.0	60	19.3	87	94	54	0	0	4	0
LINCOLN	69	52	77	38	61	3	0	-1	4	1.0	24	16.9	69	94	61	0	0	3	0
NORFOLK	65	49	78	38	57	1	0	-4	0	2	106	25.9	116	91	47	0	0	3	0
NORTH PLATTE	65	46	72	34	56	1	1	-1	1	1.7	91	15.9	91	93	55	0	0	4	1
OMAHA	69	53	76	40	61	3	0	-3	1	5.3	119	26.2	102	91	56	0	0	3	0
SCOTTSBLUFF	61	44	75	33	53	-2	1	-1	1	2.4	187	13.4	99	96	59	0	0	3	2
VALENTINE	61	46	73	35	54	-3	0	-4	1	4	16	16.2	80	91	57	0	0	2	0
NV ELY	59	33	69	27	46	-4	0	-1	1	1.1	85	7.2	87	92	42	0	3	3	0
LAS VEGAS	81	61	91	55	71	-2	0	-0	0	4	109	1.2	38	42	19	1	0	0	0
RENO	67	40	82	36	54	-1	0	-2	2	4	90	3.6	66	86	28	0	0	2	0
WINNEVOCCA	65	31	76	23	48	-4	0	-2	2	5	94	5.2	88	93	27	0	3	2	0
NH CONCORD	62	35	77	32	48	-3	0	-7	0	3.6	99	28.4	105	96	40	0	2	0	0
NJ ATLANTIC CITY	65	38	69	33	52	-7	0	-6	0	3.8	106	36.4	117	89	45	0	0	0	0
NM ALBUQUERQUE	74	49	85	42	62	0	0	-2	0	1.2	98	7.6	105	60	23	0	0	0	0
CLOVIS	80	52	89	48	66	4	0	-7	0	9	36	9.5	62	76	22	0	0	1	1
ROSWELL	83	55	92	45	69	2	0	-9	1	1.4	58	6.9	63	72	26	1	0	1	1
NY ALBANY	62	37	73	32	50	-4	0	-6	0	2.3	62	30.0	107	91	43	0	1	0	0
BINGHAMTON	56	38	71	32	47	-6	0	-7	0	2.7	66	35.8	125	92	52	0	1	1	0
BUFFALO	61	43	77	34	52	-3	0	-7	0	3.5	81	28.4	99	85	45	0	0	0	0
NEW YORK	66	49	75	46	58	-4	0	-7	0	3.0	71	36.0	110	75	40	0	0	0	0
ROCHESTER	63	43	79	35	53	-2	0	-5	0	2.9	80	22.9	93	85	42	0	0	1	0
SYRACUSE	60	40	77	32	50	-5	0	-7	0	2.7	57	31.7	107	92	47	0	1	2	0
NC ASHEVILLE	69	51	78	46	60	0	1	-0	0	6.4	114	48.1	109	98	59	0	0	3	1
CHARLOTTE	74	55	80	48	64	-1	0	-6	1	1.2	28	29.1	86	87	51	0	0	3	0
GREENSBORO	70	48	77	42	59	-4	0	-8	0	1.6	36	30.3	90	92	56	0	0	1	0
HATTERAS	73	61	78	56	67	-2	0	-4	0	10.1	153	49.2	115	83	54	0	0	2	0
NEW BERN	74	54	81	46	64	-3	0	-7	1	5.2	87	31.4	69	94	51	0	0	1	0
RALEIGH	72	48	78	42	60	-4	0	-7	0	2.0	51	29.2	88	90	45	0	0	0	0
WILMINGTON	75	55	82	48	65	-2	0	-2	0	7.8	99	43.4	92	94	52	0	0	2	0
ND BISMARCK	57	44	71	35	51	0	1	-4	1	6.7	378	15.5	111	96	70	0	0	4	1
FARGO	58	45	68	35	52	1	0	-1	0	5	139	20.3	120	94	72	0	0	5	0
GRAND FORKS	56	44	65	34	50	0	1	-2	0	7	109	19.3	119	94	69	0	0	4	1
WILLISTON	55	40	67	33	48	-2	1	-9	0	1.8	111	14.0	115	94	60	0	0	3	1
OK AERON-CANTON	64	43	74	37	53	-3	0	-6	0	1.8	45	33.4	115	85	46	0	0	0	0
CINCINNATI	71	50	82	41	60	1	0	-6	0	5	15	31.0	95	87	43	0	0	0	0
CLEVELAND	65	45	78	38	55	-2	0	-6	0	2.3	54	23.5	82	88	51	0	0	0	0
COLUMBUS	69	45	79	37	57	1	0	-5	0	1.7	45	25.6	86	91	42	0	0	0	0
DAYTON	70	45	80	37	57	-1	0	-5	0	1.0	32	27.6	96	87	41	0	0	1	0

Based on 1961-90 normals.

Weather Data for the Week Ending October 8, 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 Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE	MAXIMUM	MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE		.50 INCH OR MORE	
																			90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	67	41	80	34	54	-1	.2	-.3	.2	1.2	35	22.7	89	93	51	0	0	0	0	1	0	
YOUNGSTOWN	63	38	74	32	50	-5	.4	-.6	.4	4.2	101	31.5	107	93	53	0	0	2	2	1	1	
OK OKLAHOMA CITY	81	60	88	49	71	4	.9	-.1	.9	3.1	64	19.8	72	87	46	0	0	0	0	2	1	
TULSA	81	62	88	49	71	5	2.0	1.1	1.7	5.6	98	39.4	121	91	47	0	0	0	0	2	1	
OR ASTORIA	65	41	71	37	53	-2	.4	-1.0	.4	2.9	73	39.0	95	96	57	0	0	0	0	0	0	
BURNS	62	30	73	26	46	-3	.0	.0	.0	.2	32	3.2	45	72	23	0	0	6	0	0	0	
MEDFORD	76	39	86	36	58	-1	.0	-.2	.0	.8	74	5.9	53	91	23	0	0	0	0	0	0	
PENDLETON	68	43	73	38	55	-1	.4	-.2	.4	4.4	47	8.4	102	74	25	0	0	0	0	0	0	
PORTLAND	73	46	78	41	59	2	.0	-.5	.0	1.1	50	15.8	69	80	34	0	0	0	0	0	0	
SALEM	72	42	76	38	57	1	.0	-.5	.0	1.6	78	17.7	75	84	38	0	0	0	0	0	0	
PA ALLENTOWN	65	39	73	35	52	-5	.0	-.7	.0	2.9	61	40.4	119	92	45	0	0	0	0	0	0	
ERIE	62	45	76	40	54	-3	.4	-.9	.4	4.1	76	32.5	104	85	48	0	0	0	0	0	0	
HARRISBURG	64	42	73	37	53	-6	.0	-.7	.0	2.5	59	38.1	121	92	40	0	0	0	0	0	0	
PHILADELPHIA	66	47	74	40	56	-2	.0	-.7	.0	1.7	35	39.0	108	82	42	0	0	0	0	0	0	
PITTSBURGH	65	42	75	37	53	-3	.7	-.5	.7	3.9	109	35.2	120	83	44	0	0	0	0	0	0	
SCRANTON	61	39	73	34	50	-6	.0	-.6	.0	5.6	138	35.0	122	92	51	0	0	0	0	0	0	
RI PROVIDENCE	63	42	72	37	53	-5	.0	-.8	.0	4.2	96	34.5	102	78	45	0	0	0	0	0	0	
SC CHARLESTON	76	59	80	53	67	-3	5.9	5.2	3.7	14.0	250	54.9	125	91	61	0	0	0	2	2	2	
COLUMBIA	76	53	81	46	64	-3	1.6	.9	1.2	4.9	109	40.0	97	92	48	0	0	0	2	1	1	
FLORANCE	77	54	83	47	65	-2	1.6	1.0	1.6	5.0	121	33.9	93	95	51	0	0	0	3	1	1	
SD GREENVILLE	72	53	78	48	62	-2	.6	-.4	.5	2.6	52	41.3	102	93	56	0	0	0	2	0	0	
ABERDEEN	57	45	70	37	51	-1	1.3	1.0	.6	3.0	125	17.6	93	96	72	0	0	0	5	2	2	
BURON	60	46	73	35	53	-1	1.0	.6	.5	2.9	136	18.6	104	94	67	0	0	0	4	1	1	
RAPID CITY	60	44	78	36	52	-1	.9	.6	.7	1.4	90	7.8	53	91	60	0	0	0	4	1	1	
SIOUX FALLS	60	47	76	37	54	0	.5	.0	.3	2.8	79	19.6	94	96	63	0	0	0	4	1	1	
TN CHATTANOOGA	76	55	79	49	66	1	.8	.1	.6	3.8	75	61.8	150	98	58	0	0	0	2	1	1	
KNOXVILLE	77	53	80	47	65	2	.1	-.5	.1	1.3	35	56.1	153	95	48	0	0	0	2	1	1	
MEMPHIS	81	60	87	54	71	4	.7	.0	.7	2.3	53	37.1	95	84	46	0	0	0	2	1	1	
NASHVILLE	76	56	79	51	66	1	.2	-.3	.2	4.5	107	50.4	138	86	50	0	0	0	2	1	1	
TX ABILENE	84	62	93	49	73	3	.7	.0	.6	4.5	114	21.6	107	87	41	1	0	0	2	1	1	
AMARILLO	77	52	86	42	65	2	.2	-.1	.2	2.3	97	16.3	93	84	30	0	0	0	1	0	0	
AUSTIN	88	66	94	62	77	2	4.1	3.2	3.2	9.8	231	29.9	119	90	49	4	0	0	2	2	2	
BRADSBURG	88	68	93	62	78	5	3.8	2.7	3.8	9.2	122	54.0	121	98	51	3	0	0	2	1	1	
BROWNSVILLE	89	71	92	67	80	2	1.1	.2	1.1	4.9	70	18.0	81	97	48	4	0	0	1	1	1	
CORPUS CHRISTI	88	69	93	65	79	2	5.6	4.7	5.6	12.3	188	29.0	114	94	50	2	0	0	1	1	1	
DEL RIO	90	68	95	64	79	6	.6	-.1	.6	1.9	52	17.1	85	77	42	5	0	0	1	1	1	
EL PASO	85	61	96	52	73	5	.2	-.1	.2	.2	11	3.2	43	61	23	2	0	0	1	0	0	
FORT WORTH	87	65	93	55	76	7	1.8	.8	1.8	3.2	54	28.7	96	87	44	4	0	0	1	1	1	
GALVESTON	87	76	91	69	81	6	.8	.0	.8	5.2	76	21.7	65	88	59	1	0	0	1	1	1	
HOUSTON	91	67	95	63	79	7	1.1	.0	.9	2.2	32	27.1	66	92	49	5	0	0	2	1	1	
LUBBOCK	84	56	93	43	70	4	.2	-.4	.2	1.3	39	11.8	74	87	26	1	0	0	1	0	0	
MIDLAND	86	60	92	47	73	4	.7	-.4	.7	.5	12	8.0	61	87	29	4	0	0	0	0	0	
SAN ANGELO	87	62	94	52	74	5	1.0	.3	.6	4.0	97	12.9	76	88	43	3	0	0	2	1	1	
SAN ANTONIO	91	67	96	62	79	5	4.2	3.5	3.3	9.7	228	30.9	126	90	40	5	0	0	2	2	2	
VICTORIA	90	69	94	64	80	5	1.4	.3	1.4	4.3	56	29.3	82	97	44	6	0	0	1	1	1	
WACO	89	64	96	57	77	4	1.7	.9	.6	2.0	46	21.8	86	94	45	5	0	0	3	3	3	
WICHITA FALLS	88	60	96	51	74	5	1.5	.6	1.4	3.0	57	9.5	36	87	40	5	0	0	3	1	1	
UT CEDAR CITY	66	38	73	33	52	-4	.4	.2	.3	1.5	126	6.2	69	92	34	0	0	0	2	0	0	
SALT LAKE CITY	63	44	71	40	54	-4	1.0	.7	.6	1.3	81	9.7	78	95	43	0	0	0	5	1	1	
VT BURLINGTON	58	44	74	40	51	-1	.2	-.5	.1	1.9	48	29.7	111	81	51	0	0	0	3	0	0	
VA NORFOLK	69	53	77	45	61	-4	.0	-.8	.0	2.0	42	43.5	120	82	48	0	0	0	0	0	0	
RICHMOND	68	47	77	42	58	-5	.0	-.8	.0	4.0	94	36.2	106	89	40	0	0	0	0	0	0	
ROANOKE	70	46	79	38	58	-2	.7	-.9	.7	.8	17	36.9	115	88	40	0	0	0	1	0	0	
WA QUILLAYUTE	64	41	69	36	52	-1	.7	-1.9	.7	4.4	63	60.3	91	98	53	0	0	0	1	0	0	
SEATTLE-TACOMA	66	48	72	45	57	1	.7	-.6	.7	1.7	67	17.4	76	89	44	0	0	0	0	0	0	
SPOKANE	64	38	72	33	51	-1	.0	-.2	.0	.5	50	6.7	60	92	26	0	0	0	0	0	0	
YAKIMA	70	37	73	31	54	0	.0	-.1	.0	.1	19	4.4	85	93	28	0	0	1	0	0	0	
WV BECKLEY	66	46	76	38	56	0	.0	-.7	.0	1.5	35	42.6	130	90	43	0	0	0	0	0	0	
CHARLESTON	68	45	78	39	56	-4	.0	-.6	.0	2.0	49	43.8	131	97	53	0	0	0	0	0	0	
HUNTINGTON	70	48	80	41	59	1	.0	-.6	.0	1.5	38	38.7	114	91	45	0	0	0	0	0	0	
PARKERSBURG	68	45	77	38	57	-3	.0	-.6	.0	1.8	49	41.2	125	90	44	0	0	0	0	0	0	
WI GREEN BAY	63	44	74	38	53	1	.3	-.3	.1	2.5	61	25.3	107	90	59	0	0	0	4	0	0	
LACROSSE	63	51	75	47	57	2	.0	-.0	.0	.0	.0	.0	.0	87	57	0	0	0	0	0	0	
MADISON	64	46	77	40	55	0	.4	-.3	.2	6.5	146	29.4	110	86	54	0	0	0	5	0	0	
MILWAUKEE	66	52	77	44	59	4	.5	-.1	.5	2.2	54	22.6	86	79	53	0	0	0	2	0	0	
WAUSAU	59	42	71	35	50	-1	.4	-.3	.2	3.8	74	18.5	67	92	55	0	0	0	4	0	0	
WY CASPER	53	34	64	31	43	-7	1.8	1.6	1.3	2.5	208	9.2	89	95	60	0	2	6	1	1	1	
CHEYENNE	56	41	63	34	49	-2	.8	.6	.4	1.2	82	11.9	92	91	61	0	0	0	7	0	0	
LANDER	50	34	63	30	42	-10	1.7	1.5	1.2	2.3	166	7.6	70	93	57	0	3	3	1	1	1	
SHRERIDAN	54	34	64	29	44	-7	1.6	1.3	.9	2.5	144	12.3	102	91	57	0	4	5	1	1	1	

Based on 1961-90 normals.

September Weather in Historical Perspective

Warm, dry conditions dominated during September. The Nation's average temperature of 66.1°F was 1.3°F above normal, and the 29th highest September value on record (fig. 1). The Northwest (5th warmest September) headed a list of five regions with above-normal temperatures (table 1). Cooler-than-normal weather prevailed southeast of a line from Maine to Texas. The Southeast region registered its 19th coolest September since records began in 1895.

Precipitation was normal or below normal in all nine regions. A 12th-driest September in the Central region was favorable for crop dry-down and harvest activities. However, drought continued in the Northwest, which tallied a 23rd-driest ranking. For the Nation as a whole, it was the 11th driest September in the past 100 years (fig. 2). The national average of 1.89 inches of precipitation was 72 percent of normal. State rankings of precipitation and temperature appear in figure 3.

Figure 1

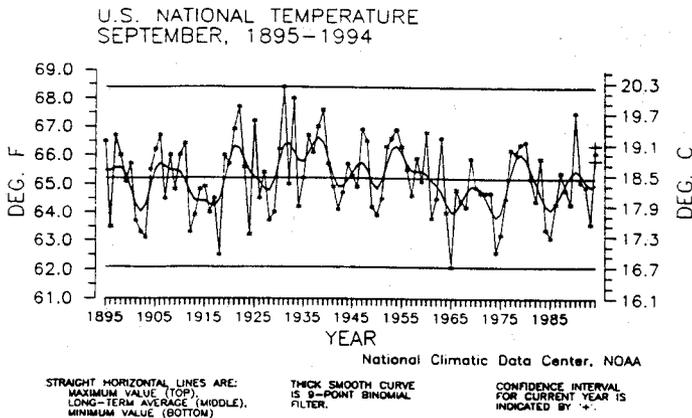


Table 1

Temperature and precipitation rankings for September 1994, based on the period 1895-1994. 1 = Driest/Colest, 100 = Wettest/Hottest.

Region	Precipitation	Temperature
Northeast	50	33
East North Central	54	86
Central	12	25
Southeast	44	19
West North Central	21	92
South	14	22
Southwest	56	77
Northwest	23	96
West	36	73
National	11	72

Figure 2

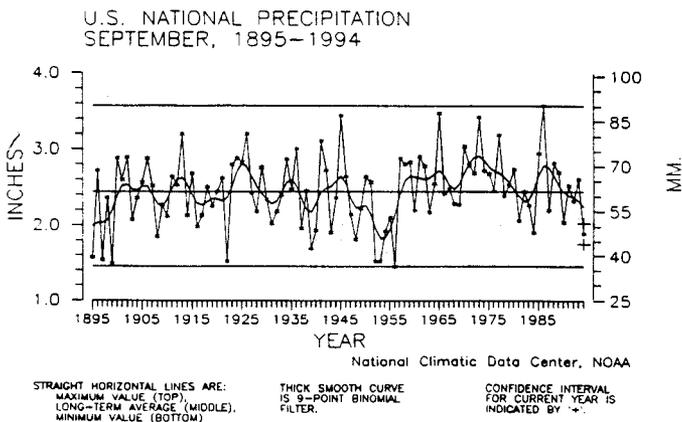
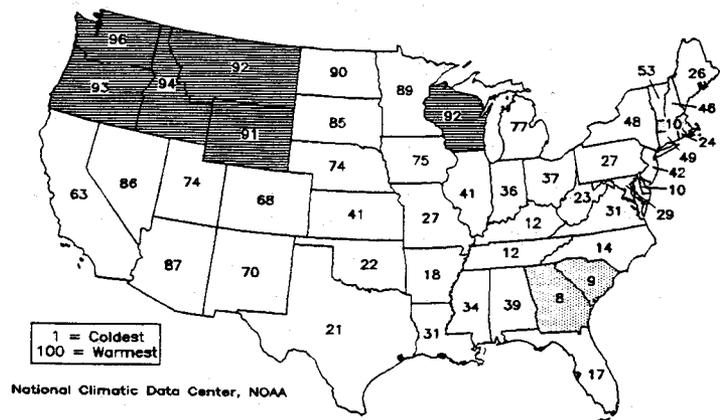


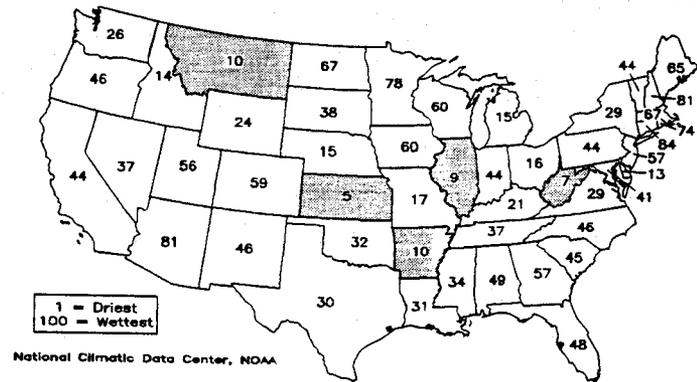
Figure 3

SEPTEMBER 1994 STATEWIDE TEMPERATURE RANKS



Temperature Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1994. States having a rank of top ten coldest (rank 1-10) or top ten warmest (rank 91-100) are shaded.

SEPTEMBER 1994 STATEWIDE PRECIPITATION RANKS



Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1994. States having a rank of top ten driest (rank 1-10) or top ten wettest (rank 91-100) are shaded.

CORRECTIONS: In the September summary portion of last week's *Bulletin*, minor errors appeared on the percent of normal precipitation map (page 9) and in the selected cities table (page 10). The map bore two incorrect labels; from north-central Montana eastward, the lines should have been labelled with 25, 25, and 50, not 25, 50, and 75. The table reported an incorrect precipitation value for Harrisburg, PA. The correct total was 2.3 inches, 1.2 inches below normal.

September Crop Summary

Starting in early September, the Western States experienced hot, dry weather that slowed the seeding of small grains. Scattered showers across the Midwest the first week of September delayed harvesting; however, these showers helped winter wheat germinate. Early-planted winter wheat in some Great Lakes States was standing at 2 inches. Later in the month, clear weather in the upper Great Plains pushed spring wheat harvesting to completion ahead of normal. Continued dry weather in the Western States resulted in some fields being reseeded. By mid-month, the warm, dry weather brought row crops quickly to maturity across the Midwest. Corn and soybeans reached maturity ahead of normal. Cool weather in the Southern States slowed cotton development, while a slow-moving storm system centered over the Midwest slowed corn and soybean harvesting. Later in the month, heavy rainfall in the middle Mississippi Valley and Great Lakes delayed row-crop harvesting. Scattered frost was reported in the Ohio Valley, but no damage to row crops was reported. Continued dry weather in the Pacific Northwest delayed small grain planting, while warm weather in the Southern States caused cotton to open bolls ahead of schedule. By month's end, producers turned their attention to soybean harvesting and postponed corn harvesting.

In mid-September, the **spring wheat** harvest was completed in the northern Great Plains where clear weather pushed crop development and allowed harvesting to finish ahead of normal. **Winter wheat** planting in early September started slightly ahead of the average, but fell behind in the Western States due to the dry soil conditions.

Corn condition started September with 84% of the corn crop rated in the good to excellent category, and improved slightly by month's end due to mid-month storm systems that improved the soil moisture supplies in the Corn Belt. Dry-down weather late in the month spurred corn development and pushed the corn crop past the danger

(Continued from front cover)

disrupting **Corn Belt** harvest activities. Farther south, excessive late-week rainfall affected the **South Central States**, particularly **eastern Texas**. Prior to the heavy rainfall and associated cold frontal passage, a ribbon of warmth covered the area, with temperatures up to 6°F above normal. In contrast, dry, cool weather prevailed in the **Northeast**. Near-freezing temperatures were observed as far south as **Scranton, PA** (34°F on Monday) and **Atlantic City, NJ** (33°F on Thursday). At week's end, a high pressure system settled across the **West**, inducing a moderate Santa Ana wind event across **southern California**.

In the **Southeast**, more than 8 inches of rain fell in and near **Savannah, GA** and **Bainbridge, GA** before the tropical disturbance exited the **Georgia coast** on Monday. **Savannah** collected 7.11 inches on Sunday, while **Beaufort, SC** measured 8.44 inches during the 24-hour period ending at 8 a.m. EDT on October 3. **Bainbridge** reported a 2-day total of 8.99 inches. Farther west, beneficial precipitation peppered the **northern Plains**. Less than 2 weeks after receiving 4.9 inches of snow, **Casper, WY** was buried by 12.8 inches on October 3. Snow developed westward to the **Sierra Nevada** by midweek, where up to 7 inches fell above elevations of 8,000 feet. Rain fell to the valley floor in **Bakersfield, CA** (0.08 inches on Wednesday), while more significant amounts were noted in **Salt Lake City, UT** (1.02 inches) and **Pocatello, ID** (0.70 inches).

In the **central Plains** and **middle Mississippi Valley**, rain provided favorable moisture for winter wheat planting and establishment. Totals included 3.33 inches in **Springfield, MO** and 0.79 inches in **Concordia, KS**. Farther south, warmth yielded to inundating rains on Friday. Daily records were established on Monday in **Texas** at **Port Arthur** (93°F) and **Houston** (95°F). **El Paso, TX** marked its 27th daily-record high of the year with 96°F on October 5. Two days later, rainfall in **Texas** (during the 24-hour period ending at 7 a.m. CDT on October 8) included 8.68 inches in **Longview**, 6.97 inches in

point from frost. Corn mature at the start of September was equal to the average and finished the month ahead of the average by 14 points. Starting in September, corn harvest was 1 point behind the average and remained there throughout the month as producers shifted to the soybean harvest.

Cotton opening bolls at the beginning of September was 4 points ahead of the average and ended the month 9 points ahead. Cool weather in mid-September stalled cotton development, but warm weather at month's end pushed the crop. Cotton condition started the month below August's level and declined slightly due to the hot, dry weather in the Southwest. At month's end, cotton harvested started 4 points ahead of the average.

Entering September, **sorghum** mature started 2 points ahead of the average and finished the month 18 points ahead. Sorghum condition, which began the month with 57% of the crop rated as good to excellent, remained unchanged throughout the month. Sorghum harvested started in the middle of September a point ahead of the average, and by month's end was halfway completed, 11 points ahead of the average.

Rice harvested began in September 1 point ahead of the average and finished the month 16 points ahead. Early in the month in the Coastal Bend and Delta region, heavy rains created delays.

Soybeans began September with setting leaves 1 point ahead of the average and at the end of September was 12 points ahead. The soybean condition started September with 72% of the crop rated as good to excellent, and by the end of September increased to 79% rated good to excellent. The improvement in the condition was caused by the timely rainfall in parts of the Midwest that reduced short soil moisture supplies.

Alice, 5.60 inches in Universal City (Randolph AFB), 5.26 inches in Corpus Christi, and 4.07 inches in Austin. Local totals topped 10 inches near **San Antonio** and **Longview**. The weather system weakened as it moved eastward across the **Mississippi Delta** region on Saturday, but still produced local totals in excess of 1 inch. Meanwhile, a high pressure system overspread the **West**. On Saturday morning, temperatures dropped into the upper 30's as far south as **Dalhart, TX**. But along the **west coast**, downslope winds allowed temperatures to soar. Daily record-tying heat was observed on Saturday at **Santa Maria, CA** (95°F) and **Los Angeles (Civic Center), CA** (100°F).

Heavy rain fell across **Hawaii's** western islands early in the week, where **Lihue** absorbed a 3-day total of 2.89 inches. In **Alaska**, bitterly cold air overspread northern and interior sections. Lows dipped to -2°F in **Bettles** on Friday, and to -12°F in **Barrow** on Saturday.

U.S. Crop Production Highlights

The following information was released by USDA's Agricultural Statistics Board on October 12, 1994. Forecasts refer to Oct. 1, 1994.

Corn production is forecast at a record high 9.60 billion bushels, up 4 percent from the September 1 forecast and 51 percent above 1993. Yields are expected to average a record high 133.8 bushels per acre, up 4.8 bushels from last month and 33.1 bushels above a year ago. Acreage for harvest as grain is estimated at 71.8 million acres, the same as last month.

Soybean production is forecast at a record high 2.46 billion bushels, up 6 percent from the September 1 forecast and 32 percent above 1993. Yield is forecast at a record high 40.5 bushels per acre, 2.3 bushels above September 1 and 7.9 bushels above 1993. The previous record high yield of 37.6 bushels per acre was set in 1992.

National Agricultural Summary

October 3 - 9, 1994

HIGHLIGHTS: Harvesting and field activities were delayed by storm systems that generated heavy rain showers across the southern Great Plains and Southeastern States. Cotton defoliation and harvesting were slowed in the San Joaquin Valley by thunderstorms early in the week. Most of the Nation, except the Pacific Northwest, experienced some precipitation during the week that hindered fieldwork. Producers in Washington State have begun to plant winter wheat despite dry soil conditions with the hope that the dry spell will be broken soon. Winter wheat producers in Oregon and Idaho continued to delay autumn small grain seedings due to a lack of moisture. The season's first freeze in northeastern Iowa was reported with no adverse effects for the crops. Above-normal temperatures in the central Great Plains encouraged sorghum development, and harvest activity progressed rapidly. Producers continued to delay the corn harvest as they directed their attention to planting wheat and harvesting soybeans.

Winter wheat planted at 66 percent (%) was up 12 percentage points from the previous week, but was 3 points behind the 5-year average. Winter wheat planted in Kansas was up 15 points from the previous week, but Kansas and Texas were 5 and 6 points behind the average, respectively. Some producers in the Pacific Northwest have stopped waiting for rain before seeding wheat. Winter wheat for the 19 major producing States was 39% emerged, 3 points behind the average.

Corn harvesting was by-passed in favor of soybeans in the Midwest. The corn crop was 94% mature, up 4 points from last week and 8 points ahead of the average. Corn harvested for the 17 major producing States was up 8 points from last week but was 2 points behind the average. Corn harvested in Illinois was up 10 points from the previous week but was 10 points behind the average for the second consecutive week.

Cotton condition was up from last week for the 14 major producing States, with 62% of the cotton crop rated as good to excellent. Cotton bolls opening were 86% complete, up from last week and ahead of the average by 5 points. Texas reported bolls opening at 75%, up 8 points from last week and 15 points ahead of the average. Cotton harvested in the 14 major producing States at 33%, was up 10 points from last week and 6 points ahead of the average. In

Missouri, the cotton harvest increased 28 points from last week to 41% harvested. Rain in the southern Great Plains and California slowed defoliation and harvest activity.

Sorghum rated as mature at 90% was up 6 points from the previous week and 12 points ahead of the average. Grain sorghum harvested at 57% was up 10 points from last week and 14 points ahead of the average. Sorghum in Kansas reached 55% harvested and was 35 points ahead of the average.

Rice harvested at 88% complete was up 8 points from last week and 10 points ahead of the average for the five major producing States. Rainy weather across the Southeastern States and in California slowed rice harvesting. Rice harvested in Arkansas was 92% complete, up 10 points from a week ago and 18 points ahead of the average.

Soybeans dropping leaves at 89% was 5 points ahead of the average in the 19 major producing States. Soybean harvest at 44% was up 17 points from a week ago and was 5 points ahead of the average for the 19 major producing States. Indiana soybean producers harvested 58% of the soybean acreage, up 35 points from last week. Producers in Minnesota reported some insect and weed problems, and harvesting progress fell 26 points behind the 5-year average due to rain-soaked fields.

Crop Progress

for the Week Ending October 9, 1994

GRAIN SORGHUM MATURE

	Current	Last Wk	1993	Avg.
AR	100	98	100	96
CO	64	34	60	57
IL	95	92	82	80
KS	97	85	60	65
LA	100	100	100	98
MS	100	100	99	97
MO	92	85	75	81
NE	100	97	64	84
NM	60	57	50	43
OK	32	30	59	52
SD	96	80	63	84
TX	87	85	89	88
12 States	90	84	73	78

GRAIN SORGHUM HARVESTED

	Current	Last Wk	1993	Avg.
AR	93	87	79	82
CO	26	24	10	19
IL	25	15	9	24
KS	55	35	15	20
LA	97	90	94	94
MS	97	93	88	86
MO	43	35	32	40
NE	33	23	4	28
NM	10	9	15	15
OK	18	15	22	10
SD	25	13	6	40
TX	77	74	76	72
12 States	57	47	38	43

RICE HARVESTED

	Current	Last Wk	1993	Avg.
AR	92	82	64	74
CA	60	45	50	53
LA	96	96	94	96
MS	90	80	66	75
TX	99	96	92	98
5 States	88	80	71	78

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

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

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

COTTON BOLLS OPENING

	Current	Last Wk	1993	Avg.
AL	76	70	88	86
AZ	100	100	100	99
AR	90	77	84	87
CA	100	100	100	100
GA	81	77	91	84
LA	98	98	96	97
MS	99	98	95	94
MO	91	85	91	88
NM	93	91	94	88
NC	100	100	100	100
OK	94	85	82	60
SC	84	77	98	93
TN	100	97	100	94
TX	75	67	76	60
14 States	86	81	86	78

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

COTTON HARVESTED

	Current	Last Wk	1993	Avg.
AL	19	7	30	36
AZ	32	23	40	30
AR	34	21	23	26
CA	10	5	20	13
GA	10	5	42	25
LA	61	39	55	55
MS	45	27	35	39
MO	41	13	29	32
NM	4	0	3	1
NC	23	13	28	24
OK	35	15	11	4
SC	17	9	37	24
TN	33	18	40	33
TX	35	31	35	24
14 States	33	23	33	27

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

WINTER WHEAT PLANTED

	Current	Last Wk	1993	Avg.
AR	17	9	6	9
CA	0	0	3	1
CO	97	90	95	93
GA	3	2	6	5
ID	55	38	49	67
IL	37	10	20	32
IN	44	15	35	38
KS	75	60	75	80
MI	55	35	60	65
MO	30	14	16	25
MT	48	42	43	75
NE	98	94	97	97
NC	29	26	13	15
OH	46	19	38	37
OK	82	70	80	70
OR	23	14	75	59
SD	97	89	98	96
TX	59	50	65	65
WA	70	53	89	85
19 States	66	54	67	69

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

CORN MATURE

	Current	Last Wk	1993	Avg.
CO	93	87	71	79
GA	100	100	100	100
IL	98	97	92	94
IN	93	88	94	87
IA	100	100	73	93
KS	100	98	97	98
KY	93	90	90	87
MI	60	45	55	60
MN	95	95	50	82
MO	100	97	94	97
NE	100	98	81	93
NC	100	100	100	100
OH	78	55	84	68
PA	58	30	52	48
SD	99	96	49	81
TX	100	99	97	98
WI	88	73	41	65
17 States	94	90	76	86

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

CORN HARVESTED

	Current	Last Wk	1993	Avg.
CO	39	18	8	8
GA	95	92	95	94
IL	23	13	13	33
IN	17	11	12	24
IA	23	13	7	22
KS	75	60	50	60
KY	55	35	53	52
MI	15	10	3	10
MN	9	6	4	17
MO	50	41	27	48
NE	29	22	9	27
NC	77	65	81	73
OH	11	7	14	16
PA	9	3	7	9
SD	17	11	4	26
TX	91	84	90	89
WI	9	5	4	10
17 States	27	19	16	29

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

WINTER WHEAT EMERGED

	Current	Last Wk	1993	Avg.
AR	7	NA	0	2
CA	0	NA	0	0
CO	82	NA	80	74
GA	2	NA	1	2
ID	21	NA	22	32
IL	5	NA	3	7
IN	9	NA	5	14
KS	50	NA	45	50
MI	40	NA	20	35
MO	10	NA	0	8
MT	19	NA	6	36
NE	84	NA	74	80
NC	0	NA	0	0
OH	11	NA	6	8
OK	22	NA	45	35
OR	7	NA	36	28
SD	84	NA	83	84
TX	40	NA	40	39
WA	52	NA	73	65
19 States	39	NA	41	42

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

Crop Condition

for the Week Ending Oct. 9, 1994

SOYBEANS DROPPING LEAVES

	Current	Last Wk	1993	Avg.
AL	58	43	58	58
AR	50	33	35	35
GA	74	60	75	65
IL	97	96	93	93
IN	99	96	98	93
IA	100	100	85	96
KS	95	90	90	90
KY	65	50	61	59
LA	74	64	79	65
MI	90	60	100	97
MN	99	98	80	95
MS	80	73	62	62
MO	85	74	77	78
NE	100	99	97	98
NC	45	34	42	43
OH	100	99	100	95
SC	19	7	24	25
SD	100	99	90	97
TN	64	46	72	62
19 States	89	84	82	84

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

SOYBEANS HARVESTED

	Current	Last Wk	1993	Avg.
AL	8	3	15	14
AR	18	9	9	8
GA	9	6	5	4
IL	65	37	47	54
IN	58	23	40	40
IA	60	42	33	56
KS	45	35	25	35
KY	11	4	8	8
LA	40	25	42	31
MI	15	10	15	20
MN	29	21	24	55
MS	40	28	21	18
MO	29	14	17	22
NE	64	55	55	58
NC	0	0	0	0
OH	53	23	38	31
SC	0	0	2	0
SD	40	34	29	58
TN	10	5	10	8
19 States	44	27	30	39

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

COTTON

State	VP	P	F	G	EX
AL	0	0	28	72	0
AZ	0	0	10	80	10
AR	0	0	0	69	31
CA	0	0	5	75	20
GA	0	0	6	88	6
LA	0	0	6	94	0
MS	0	0	2	79	19
MO	0	0	20	70	10
NM	0	0	27	55	18
NC	0	4	4	82	10
OK	0	12	46	42	0
SC	0	0	48	48	4
TN	0	0	1	99	0
TX	0	15	61	23	1
14 State	0	7	31	54	8
Prev Week	0	8	35	51	6
Prev Year	0	12	41	43	4

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

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Rainfall 0.23 to 1.99 in. north; 0.15 to 2.31 in. central; 0.03 to 0.93 in. south. Temperatures 2° below normal to 3° above normal statewide. Lows 44 to 60° north; 47 to 56° central; 47 to 60° south. Highs 76 to 86° north; 78 to 85° central; 82 to 86° south.

Days suitable for fieldwork 5.0. Soil moisture 15% short, 75% adequate, 10% surplus. Corn harvested 86%, 85% 1993, 86% avg. Sorghum harvested 41%, 44% 1993, 63% avg.; 26% fair, 58% good, 16% excellent. Peanuts dug 78%, 76% 1993, 83% avg.; combined 72%, 67% 1993, 74% avg. Wheat planted 21%, 17% 1993, 21% avg. Pasture feed 2% poor, 38% fair, 49% good, 11% excellent. Livestock 15% fair, 82% good, 3% excellent. Seasonal activities: Harvesting row crops, vegetables, spraying fields for insects, weeds, defoliating cotton fields, seeding small grains, ground preparation for fall planting.

ALASKA: No weather data available.

ARIZONA: Temperatures normal to 7° below normal. Extremes 25°; 87° higher elevations; 42°; 98° deserts. Precipitation north very light.

Harvesting, ginning cotton increasing in State; condition continues mostly good; opening bolls 100%, 100% 1993, 99% avg. Weed infestations light to moderate; insect, disease infestations continue moderate. Field activities: Picking, defoliation, final irrigations, pesticide applications, pest monitoring. Alfalfa condition remains good. Harvest moderate to active. Weed, insect, disease infestations light to moderate. Lemon, grapefruit harvest increasing western, central areas. Apple harvest active eastern groves. Raisin grape harvest declining central, western vineyards. Melon harvested central, western areas included cantaloupe, honeydew, watermelon. Chili peppers available eastern, central areas. Head lettuce, pumpkin harvest underway eastern areas. Cabbage available western areas.

ARKANSAS: Temperatures slightly above normal with light to moderate showers across the State at weekend. Extremes 38°; 92°. Precipitation 0.02 to 3.39 in.

Days suitable for fieldwork 7. Soil moisture 89% short, 11% adequate. Rice, grain sorghum, soybean, cotton, corn harvests in progress. Soybeans maturing rapidly. Producers fertilizing, liming pastures. Final hay cuttings underway. Peanuts in good condition with harvest ongoing. Alfalfa 18% poor, 80% fair, 2% good. Other hay 13% very poor, 39% poor, 46% fair, 2% good. Pasture feed 11% very poor, 29% poor, 50% fair, 10% good. Producers feeding hay in north central counties due to dry conditions. Ponds, pastures are drying up. Producers selling calf crop early in these counties. Livestock good.

CALIFORNIA: Storm system brought thunderstorms, heavy rain showers central, northern areas. Most stations reported 0.50 in. precipitation. Storm caused cool air, below normal temperatures to valleys.

Progress field activities delayed; moderate rains Sacramento, San Joaquin valleys. Elsewhere fieldwork progressed normally. Rice harvest slowed, wet conditions. Stubble burned where air quality regulations allowed. Cotton defoliation, harvest hampered, rain San Joaquin Valley; desert harvest remained active. Grain corn, silage corn, dry beans, sugarbeets harvested. Some windrowed alfalfa, dry beans suffered rain damage. Safflower harvest complete. Several fields new crop sugarbeets Fresno County washed out, will replant. Alfalfa cut, baled. Few fields new alfalfa, oat hay seeded drier areas. Ground preparation fall-planted small grains ongoing where conditions allowed. Table, wine, juice grape harvests continued. Rains Fresno, Tulare counties caused decay problems to late table wine grape varieties. One-fifth raisin vineyards exposed rain, one-fourth rolled, one half have been picked up, boxed. Stone fruit harvest winding down. Almond, pistachio, walnut harvests continued. Apple harvest continued. Rain Fresno County caused crop loss due to russetting, growth cracks Fuji apples. Persimmons, quince, pomegranates were harvested, packed. Valencia orange harvest continued. Olive harvest full swing. Rain increased fruit size new Navel oranges, avocados, olives. Lemon, grapefruit harvests continued. Medflies spotted Ventura County, expect spraying this week. Broccoli harvested central coast. Fall broccoli, cauliflower progressed normally San Joaquin Valley. Planting winter carrots Kern County, while harvest summer carrots continued. Celery harvested south coast. Sweet corn harvest central valley wound down. Fall head, leaf lettuce fields irrigated San Joaquin Valley, while

harvested central coast. Summer melon harvest central valley neared completion. Whiteflies Palo Verde Valley damaged fall melons. Onion harvest wound down central coast. Pepper harvest continued San Joaquin Valley. Fall potato harvest Tulelake-Butte Valley full swing. Winter potatoes Kern County have sprouted. Harvest sweet potatoes Merced County continued. Harvest fresh market tomatoes continued San Joaquin Valley. Processing tomato harvest wound down central valley. Growers treated tomato crops for mildew due rains. Vine seed harvested Sutter County with good quantity, quality. Other crops harvested: Squash, cucumbers, green beans, green onions, okra, eggplant, gourds, pumpkins, herbs, spices, oriental vegetables. Rains decreased quality remaining rangeland dry forage. Rainfall prompted germination new grasses some areas. Irrigated pastures good shape, heavily grazed. Plant growth slowed, shorter days, cooler temperatures. Supplemental feeding necessary most areas. Livestock movement lower elevations remained active. Cattle, sheep good condition.

COLORADO: An upper level weather system moved across the State early in the week. Over 2.00 in. rain fell in the Colorado Springs area on the 3rd with another 1.50 in. on 4th. Heavy rains continued in the east on the 5th with estimates of 2.00 to 3.00 in. some areas. Temperatures 2 to 3° above normal except in the west where temperatures were about a degree below normal.

Days suitable for fieldwork 4.7. Soil moisture 8% very short, 30% short, 59% adequate, 3% surplus. Alfalfa third cutting 93% complete, 84% 1993, 78% avg.; fourth cutting 42% complete compared to 32% for both 1993 and average; 1% very poor, 6% poor, 28% fair, 56% good, 9% excellent. Dry beans 98% cut, 89% 1993, 92% avg.; 90% harvested, 73% 1993, 78% avg. Dry onions 94% harvested, 82% 1993, 86% avg. Corn 1% very poor, 3% poor, 20% fair, 61% good, 15% excellent. Sorghum 16% fair, 73% good, 11% excellent. Sugarbeets 12% harvested, 10% 1993, 10% avg.; 5% poor, 22% fair, 60% good, 13% excellent. Summer potato harvest virtually complete. Fall potatoes 95% harvested, 90% 1993, 79% avg. Winter wheat 3% poor, 32% fair, 57% good, 8% excellent. Livestock mostly good. Pasture, range feed poor to fair.

FLORIDA: Temperature 2 to 5° above normal west, 3° below to 2° above north, 1 to 3° above central, south. Highs: mid 80s Panhandle, low 90s Peninsula. Lows: 50s north, 60s central, low 70s south. Rainfall under 1.00 in. most locations, 1.00 to 3.00 in. at several north, east central, southwest coast locations. Panhandle relatively dry, south relatively wet.

Soil moisture adequate to surplus throughout State. Some flooding in scattered areas. Heavy rains delaying harvest of all crops. Tobacco markets closed. Peanut harvest winding down. Cotton, soybean harvest starting. Sugarcane good progress. Haying active, weather permitting. Dry weather welcome. Early citrus fruit good color break on trees. Harvest of early fruit increasing. Dry weather helpful to harvesters. Caretakers cutting cover crops, plowing, ditching to help dry surface soils. Drier weather increased vegetable planting in southern areas. Northern fields dried out. Cooler temperatures aided crop development in all areas. Bell pepper harvest started in East Coast region. Sweet corn picking gained speed in Zellwood area. Other vegetables available: Sweet corn, watermelons, tomatoes, snap beans north; squash north, west central, Dade; cucumbers, cherry tomatoes west central; bell peppers, eggplant east coast; radishes north central. Pasture feed 5% poor, 15% fair, 70% good, 10% excellent. Cattle herds mostly good.

GEORGIA: Temperatures 2 to 3° above normal northwest, extreme south, 1 to 2° below normal elsewhere. Extreme highs low to middle 70s mountains to middle 80s central to upper 80s south. Lows middle 40s mountains, 37° Blairsville, around 50° central, lower 50s south. Two to three rain days north, west, two days or less southeast. Rainfall near 1.00 in. mountains, mostly under 0.50 in. elsewhere with local amounts over 1.00 in.

Days suitable for fieldwork 3.9. Soil moisture 2% short, 61% adequate, 37% surplus. Corn harvest slowed by wet fields, high moisture content. Cotton aerial defoliating active, wet fields slowing harvest. Sorghum 2% poor, 7% fair, 88% good, 3% excellent; 72% harvested for grain, 77% 1993, 66% avg. Peanuts 2% poor, 19% fair, 74% good, 5% excellent; 88% dug, 85% 1993, 84% avg.; 77% threshed, 71% 1993, 70% avg.; wet fields slowing harvest, causing concern over possible yield loss. Soybeans 13% fair, 79% good, 8% excellent. Wheat 24% fair, 75% good, 1% excellent.

Rye 28% planted, 21% 1993, 22% avg. Other small grains 19% fair, 80% good, 1% excellent; 20% planted, 18% 1993, 14% avg. Other vegetables 6% poor, 53% fair, 38% good, 3% excellent; disease problems increasing. Apples 8% very poor, 12% fair, 80% good; 90% harvested, 75% 1993, 75% avg. Pecans 1% very poor, 16% poor, 44% fair, 39% good; 4% harvested, 2% 1993, 3% avg. Hay 2% poor, 18% fair, 80% good; harvest delayed by rains, wet fields. Pasture feed 19% fair, 78% good; 3% excellent. Cattle, hogs good.

HAWAII: Weather for the week variable. Mostly humid with heavy rains over the western sectors of islands. Normal trade wind weather returned on 4th, bringing mostly sunny skies with some light scattered showers the remainder of week. Temperatures high 60s to low 90s. Rainfall varied none to 5.80 in.

Damage to agriculture from heavy rains minor. Spraying increased to control insects, disease. Banana production heavy. Papaya production moderate. Macadamia nuts in active harvest. Coffee harvest increasing. Sugarcane harvesting winding down some areas.

IDAHO: Temperatures 0 to 6° below normal. Precipitation none to 0.23 in. north, 0.01 to 0.82 in. southwest, 0.13 to 0.52 in. south central, none to 2.05 in. southeast. Extreme 28°; 77°.

Days suitable for fieldwork 5. Rain south delayed potato harvest. Precipitation still needed in northern areas; harvested 54%, 72% 1993, 66% avg. Potato 2% poor, 14% fair, 66% good, 18% excellent. Soil moisture 20% very short, 38% short, 35% adequate, 7% surplus. Range, pasture feed 53%. Winter wheat 24% poor, 31% fair, 38% good, 7% excellent. Sugarbeets harvested 22%, 16% 1993, 23% avg. Alfalfa hay harvested (3rd cutting) 92%, 74% 1993, 88% avg. Apples harvested 58%, 44% 1993, 54% avg. Field corn for grain harvested 6%, 25% 1993, 16% avg. Field corn for silage harvested 76%, 67% 1993, 77% avg. Onions harvested 96%, 78% 1993, 84% avg. Dry beans harvested 95%, 83% 1993, 91% avg. Irrigation water supplies 28% very poor, 12% poor, 31% fair, 27% good, 2% excellent. Activities: Worrying about potato harvest delays, moving livestock, harvesting apples, silage corn, planting winter wheat.

ILLINOIS: Seasonably mild, dry conditions through the early part of the week favored fieldwork until a cold front brought widespread rainfall at the weekend. Highs low 60s to the mid 70s with average lows between the mid 40s, low 50s. Significant rainfall improved soil moisture levels throughout the State. Rainfall accumulations 0.75 to 1.33 in. were common. Only the far north, northwest escaped with less than 0.50 in.

Days suitable for fieldwork 6.5. Soil moisture 48% short, 52% adequate. Pasture feed 80% of normal. Soil moisture supplies decreased. Farm activities included corn, soybean harvest, chopping silage, seeding winter wheat, fall tillage, applying fertilizer, hauling grain, tending livestock.

INDIANA: Dry, sunny weather allowed ideal week for harvest of corn, soybeans. High temperatures 60s in north to the low to mid 70s south. These readings were close to normal across most of the State, except for 1 to 7° below normal in parts of the far north. Lows 40s across State, except for around 50° parts of the south. This 1 to 4° below normal over most of the State. Rainfall 0.40 to 0.80 in. over most of the State. This was below normal by around 0.20 to 0.50 in. across most of the State.

Days suitable for fieldwork 6.9. Dry soil conditions exist in most areas. Corn, soybean harvest made good progress. Other activities; fall tillage, spreading fertilizer, lime, seeding winter wheat, cutting corn silage, finishing up hay, tobacco harvest, machinery maintenance, care of livestock. Pastures feed 68% of normal, 71% last week. Topsoil rated 59% short, 41% adequate. Subsoil moisture 58% short, 42% adequate. Soybeans mature 94%, 89% 1993, 77% avg. Tobacco harvested 93%, 92% 1993, 90% avg.

IOWA: Temperatures 1 to 3° above normal. Extremes 27°; 82°. First hard freeze of season parts of northeast half of State 10th. Rain 0.08 in. east central to 1.59 in. north central; average 0.43 in. (normal 0.65 in.).

Days suitable for fieldwork 4.4. Topsoil 12% short, 73% adequate, 15% surplus. Subsoil 22% short, 74% adequate, 4% surplus. Winter wheat acreage seeded 59%, 58% 1993, 68% avg. 1995 row crop acreage fall tilled 5%, 4% 1993, 4% avg. 1995 row crop acreage fall fertilizer applied 5%, 4% 1993, 4% avg. Percent moisture of field corn: 24%. Percent moisture of field corn being harvested: 20%. Grain storage availability 84% adequate, 16% surplus. Corn 1% fair, 50% good, 49% excellent. Soybeans 2% fair, 49% good, 49% excellent. Pasture feed 6% poor, 32% fair, 52% good, 10% excellent. Livestock were reported in mostly good condition with the exception of pinkeye problems. Spring calves are beginning to move through sale barns.

KANSAS: Temperatures above normal across all of State the past week. Temperatures 6 to 7° above normal in the south central, eastern districts. Over the remainder of the State temperatures 1 to 4° above normal. All districts received precipitation. Rain 0.44 to 0.84 in.

Days suitable for fieldwork 5.0. Surface soil moisture 57% short to very short, 43% adequate. Subsurface moisture 59% short to very short, 41% adequate. Wheat seeding is making good progress despite scattered rains last week. Recent dry conditions in the central, western districts of the State have resulted in thin, spotty stands. Corn harvest progressed rapidly. Sorghum harvest is picking up speed as virtually all the sorghum has matured. Soybean harvest is nearing completion in the western two-thirds of the State. Fall crop harvest, seeding wheat major activities. Pasture feed fair.

KENTUCKY: Temperatures near normal. Highs 70s, lows upper 40s to low 50s. Rainfall 0.50 in. east to 0.75 in. central, west. Light frost northeast

Day suitable for fieldwork 5.9. Soil moisture 26% very short, 56% short, 18% adequate. Tobacco harvest virtually complete, with over 30% ready to strip, 7% stripped. Curing conditions excellent, quality expected good to excellent. Housed tobacco 4% fair, 76% good, 20% excellent. Soybean harvest underway. Pasture feed conditions mostly fair. A few producers feeding hay. Wheat seeding 24% complete, 22% 1993, 23% avg.

LOUISIANA: Temperatures 1.7 to 5.4° above normal. Extremes 50°; 94°. Rainfall 0.43 in north central to 2.93 in. north west.

Days suitable for fieldwork 6.3. Soil moisture 18% very short, 42% short, 36% adequate, 4% surplus. Cotton harvesting conditions were excellent, good progress was made. Hay 95% final cutting, 92% 1993, 92% avg. Final cuttings were coming to a close. Pecans 5% harvested, 3% 1993, 4% avg. Rice second crop management was active in the south, first crop harvest was active in the north. Soybeans 7% poor, 26% fair, 65% good, 2% excellent; 92% turning color, 93% 1993, 85% avg. Harvest made good progress. Sugarcane 12% fair, 88% good; 97% planted, 97% 1993, 89% avg.; 4% harvested, 5% 1993, 3% avg. Planting was active, neared completion. Harvest was active, in the initial stages. Sweetpotatoes 15% fair, 71% good, 14% excellent; 67% harvested, 60% 1993, 65% avg. Wheat 9% planted, 4% 1993, 4% avg.; 1% emerged, 1% 1993, 1% avg. Livestock 2% very poor, 10% poor, 55% fair, 31% good, 2% excellent. Pasture feed 9% poor, 6% fair, 85% good. Vegetables 37% fair, 59% good, 4% excellent.

MARYLAND & DELAWARE: MARYLAND: Precipitation 0.26 in., normal 0.73 in. Temperature 56.6°, normal 62.2°. Extremes 28°; 83°.

Days suitable for fieldwork 6.4. Topsoil 26% short, 74% adequate. Subsoil 6% short, 94% adequate. Pasture feed excellent. Wheat good; 16% planted, 15% 1993, 10% avg. Barley good; 46% planted, 49% 1993, 38% avg. Rye good; 39% planted, 41% 1993, 35% avg. Corn 97% mature, 94% 1993, 91% avg.; 49% grain harvested, 61% 1993, 48% avg. 84% silage harvested, 94% 1993, 87% avg. Soybeans 88% turned, 86% 1993, 82% avg.; 69% shedding leaves, 64% 1993, 58% avg.; 13% harvested, 10% 1993, 8% avg. Sorghum 94% turned, 82% 1993, 96% avg.; 91% mature, 53% 1993, 86% avg.; 20% harvested, 16% 1993, 27% avg. Tobacco 100% harvested, 99% 1993, 99% avg. Other hay 91% third cut, 87% 1993, 70% avg.; 64% fourth cut, 38% 1993, 30% avg. Alfalfa hay 97% fourth cut, 100% 1993, 100% avg.; 44% fifth cutting, 26% 1993, 20% avg. Hay supplies adequate. Apples 64% harvested, 76% 1993, 73% avg.

DELAWARE: Precipitation 0.18 in., normal 0.76 in. Temperature 54.3°, normal 62.8°. Extremes 35°; 78°.

Days suitable for fieldwork 6.9. Topsoil, subsoil moisture 25% short, 75% adequate. Wheat good; 7% planted, 6% 1993, 8% avg. Barley good; 32% planted, 59% 1993, 35% avg. Corn 100% mature, 98% 1993, 97% avg.; 63% grain harvested, 61% 1993, 61% avg.; 96% silage harvested, 100% 1993, 97% avg. Soybeans fair; 71% turned, 83% 1993, 74% avg.; 44% shedding leaves, 58% 1993, 49% avg.; 8% harvested, 11% 1993, 9% avg. Sorghum fair to mostly good; 83% turned, 83% 1993, 92% avg.; 34% mature, 58% 1993, 71% avg.; 5% harvested, 1% 1993, 29% avg. Other hay 44% fourth cutting, 0% 1993, 23% avg. Alfalfa hay 95% fourth cut, 73% 1993, 86% avg.; 41% fifth cutting, 7% 1993, 15% avg. Hay supplies adequate; pasture feed good. Apples 83% harvested, 77% 1993, 73% avg.

MICHIGAN: Extremes 28°; 78°. Precipitation none to 1.50 in. across the State.

Days suitable for fieldwork 6.0. Soil moisture 10% short, 75% adequate, 15% surplus. Dry beans 95% mature, 97% 1993, 96% avg.; 75% harvested, 75% 1993, 80% avg.; 10% very poor, 20% poor, 30% fair, 35% good, 5% excellent. Corn for grain 60% mature; 55% 1993, 60% avg.; 15% harvested, 3% 1993, 10% avg. Corn silage 75% harvested, 65% 1993, 70% avg. Potatoes 80% harvested, 65% 1993, 75% avg. Soybeans 90% shedding, 100% 1993, 97% avg.; 70% mature, 75% 1993, 65% avg.; 15% harvested,

15% 1993, 20% avg. Hay 85% third cutting, 75% 1993, 85% avg.; 30% fourth cutting, 25% 1993; 1% very poor, 4% poor, 20% fair, 40% good, 35% excellent. Pasture feed 80% of normal. Major activities: Fruit harvest, cutting hay, planting wheat, corn silage harvest, corn for grain, soybean harvest, potato harvest, dry bean harvest.

MINNESOTA: Temperatures 1° below normal for the State. Extremes 29°; 78°. Precipitation 0.60 in. above normal for the State. Greatest weekly total 3.61 in.

Days suitable for fieldwork 2.1. Topsoil 42% adequate, 58% surplus. Corn 9% harvested, 4% 1993, 17% avg.; cut for silage 83%, 56% 1993, 79% avg.; moisture content 26%, 32% 1993, 28% avg.; stalks worked 5%, 2% 1993, 7% avg. Soybeans 95% mature, 45% 1993, 85% avg.; harvested 29%, 24% 1993, 55% avg.; moisture content 14%, 14% 1993, 12% avg.; stubble worked 12%, 13% 1993, 19% avg. Potatoes 77% harvested, 68% 1993, 80% avg. Dry edible beans 83% harvested, 69% 1993, 89% avg. Flaxseed 78% harvested, 68% 1993, 81% avg. Sugarbeets 33% harvested, 53% 1993, 50% avg. Sunflowers 43% harvested, 7% 1993, 36% avg. Corn 1% very poor, 2% poor, 14% fair, 55% good, 28% excellent. Soybeans 1% very poor, 2% poor, 22% fair, 61% good, 14% excellent.

MISSISSIPPI: Temperatures 2.6° above normal. Extremes 46°; 94°. Soil temperature 75°. Precipitation 1.55 in., 0.80 in. above normal. The lower delta received 2.36 in. of rainfall during the week. The greatest one day precipitation occurred at Bay St. Louis with 2.95 in. Some farmers are encountering insect, weed problems in soybeans, winter pastures are still in need of more rain.

Days suitable for fieldwork 5.8. Soil moisture 44% short, 49% adequate, 7% surplus. Corn 90% harvested, 79% 1993, 80% avg. Cotton 45% harvested, 35% 1993, 39% avg.; 2% fair, 79% good, 19% excellent. Rice 90% harvested, 66% 1993, 75% avg. Sorghum 97% harvested, 88% 1993, 86% avg. Soybeans 97% turning color, 86% 1993, 85% avg.; 80% shedding leaves, 62% 1993, 62% avg.; 40% harvested, 21% 1993, 18% avg.; 15% fair, 44% good, 41% excellent. Wheat 15% planted, 11% 1993, 17% avg.; 3% emerged, 9% 1993, 10% avg. Peanuts 96% harvested, 88% 1993, 89% avg. Sweet potatoes 72% harvested, 63% 1993, 66% avg. Pecans 11% harvested, 2% 1993, 3% avg.; 13% very poor, 13% poor, 48% fair, 22% good, 4% excellent. Livestock 12% fair, 83% good, 5% excellent. Pasture feed 76% of normal. Activities: Harvesting cotton, soybeans, corn; planting for winter pastures.

MISSOURI: Temperatures above normal across the State, 2° above normal at Quincy to 7° above normal at Nevada. Rainfall 1.42 in., varying 0.61 in., northeast to 3.10 in. southwest.

Days suitable for fieldwork 5.2. Topsoil 50% short, 48% adequate, 2% short. Corn harvest by district ranges 32% central to 97% southeast. Soybeans dropping leaves by district ranges 50% southwest to 98% north-central. Soybeans harvested by district ranges 8% southwest to 56% northeast. Sorghum mature by district ranges 74% central to 100% southeast. Sorghum harvest by district ranges 14% central to 76% southeast. Pasture feed 2% very poor, 20% poor, 56% fair, 21% good, 1% excellent.

MONTANA: Temperatures near to slightly below normal. All divisions reported precipitation with the southeast, south central receiving the most.

Days suitable for fieldwork 5.3. Topsoil 62% short, 36% adequate, 2% surplus. Subsoil 77% short, 23% adequate. Corn for silage 95% harvested, 76% 1993, 88% avg. Potatoes 61% harvested, 27% 1993, 52% avg. Sugarbeets 19% harvested, 8% 1993, 14% avg. Pasture, range feed 74% of normal. Cattle, calves moved summer ranges, 45%. Sheep, lambs moved from summer ranges, 49%.

NEBRASKA: Temperatures near normals across the State. Precipitation none central to 4.46 in. northwest.

Days suitable for fieldwork 2.9. Topsoil 19% short, 68% adequate, 13% surplus. Subsoil 43% short, 57% adequate. Corn 100% mature, 81% 1993, 93% avg.; 29% harvested, 9% 1993, 27% avg. Soybeans 64% harvested, 55% 1993, 58% avg. Sorghum 100% mature, 64% 1993, 84% avg.; 33% harvested, 4% 1993, 28% avg. Winter wheat 98% sown, 97% 1993, 97% avg.; 84% emerged, 74% 1993, 80% avg. Pasture, range feed 84% of normal.

NEVADA: Weak high pressure covered the State early. Late 3rd a cold upper level low pressure system moved into the great basin from the north. System brought clouds, wind, much colder temperatures, precipitation to the entire State through 5th. Snow levels were from 6000 ft. in the north, 8000 ft. in the south, with 3 to 6 in. common in the northern, central

Sierras. Precipitation greater in the northern portion of the State with 1.04 in. at Tahoe City, 0.67 in. at Daggett Pass, 0.65 in. at Mountain City. High pressure built back into the State by 6th bringing a return to clear, dry weather. Temperatures 2 to 5° below normal at all climatic divisions. Extremes 16° Truckee; 99° Laughlin.

Alfalfa hay, seed harvest was winding down throughout most of the State. Onion and potato harvest continued. Movement of livestock to fall pastures continued. Main farm, ranch activities; late season crop harvests, moving livestock.

NEW ENGLAND: Precipitation none to 0.19 in. Temperatures 45 to 51° north; 47 to 54° south. Temperatures 3° below normal regionwide. Maximum temperatures 51 to 78° north; 70 to 78° south. Minimum temperatures 27 to 40° north; 21 to 39° south.

Days suitable for fieldwork 6. Soil moisture 3% short, 90% adequate, 7% surplus. Available grazing 15% short, 85% adequate. Fieldwork on schedule. Maine potatoes 85% harvested, 75% 1993, 80% avg.; good/fair. Rhode Island potatoes 80% harvested, 90% 1993, 85% avg.; good. Connecticut River Valley potatoes 90% harvested, 90% 1993, 90% avg.; good. Maine oats 95% harvested, 95% 1993, 95% avg.; good/fair. Field corn 70% harvested, 65% 1993, 65% avg.; good. Second crop hay 99% harvested, 90% 1993, 99% avg.; good. Third crop hay 80% harvested, 80% 1993, 85% avg.; good. Sweet corn 99% harvested, 99% 1993, 99% avg.; good. Apples 75% harvested, 75% 1993, 75% avg.; size medium, good, color good. Pears 95% harvested; size medium, good. Cranberries 55% harvested, 55% 1993; size medium/large, good/excellent. Major farm activities: Chopping silage corn, harvesting fruits, disking down harvested fields, planting cover crops.

NEW JERSEY: Temperatures below normal. Extremes 31°; 80°. Rainfall 0.33 in. north, 0.03 in. central, 0.03 in. south. Heaviest 24 hour total 0.80 in. on 9th, 10th. Estimated soil moisture, in percent field capacity, averaged 91% north, 74% central, 57% south. Four inch soil temperatures averaged 52° north, 53° central, 55° south.

Days suitable for fieldwork 6. Harvesting of fall vegetables was the major farming activity. Moderate supply of endive, escarole, herbs, parsley, beans, turnips, leeks, lettuce (all types), spinach. Limited supply of cucumbers, tomatoes, okra, green onions. Harvesting of field corn, soybeans occurring. Planting of winter wheat reported. The apple harvest is slowing down with Red Delicious, Macintosh, Macoun being the primary varieties. Cranberry quality reported as good with harvest occurring.

NEW MEXICO: Temperatures 2 to 3° below normal across northern areas, near normal across the south. Extremes 17° at Quemado Lake on 8th; 98° at Carlsbad on 5th. Two storm systems effected the State, allowing the majority of reporting stations to receive some rain. Greatest amounts were in the east central, southeast plains where Roswell collected 1.17 in. Clovis received 0.78 in.

Days suitable for fieldwork 6.6. Soil moisture 97% short, 3% adequate. Cropland conditions: Alfalfa 4% poor, 17% fair, 71% good, 8% excellent. Chile 11% fair, 84% good, 5% excellent. Corn 18% poor, 18% fair, 64% good. Irrigated sorghum was reported as 23% fair, 69% good, 8 excellent. Dryland sorghum 75% poor, 25% fair. Cotton 27% fair, 55% good, 18% excellent. Pecan 30% fair, 70% good. Apple 8% poor, 92% good. Cattle, sheep conditions varied across the State poor to good condition. Range feed condition is 50% of normal.

NEW YORK: Temperatures below normal. Extremes 25°; 80°. Precipitation below normal most places with less than 0.25 in. rainfall. Widespread frost covered most of the area.

Days suitable for fieldwork 5.6. Soil moisture adequate to surplus. Pasture feed 98% of normal. Hay good condition. Third cutting alfalfa finished. Corn good to excellent. Silage harvest 60% complete, 52% 1993, 51% avg. Grain harvest underway. Dry bean, potato harvest continued. Onion harvest completed. Storage cabbage harvest to start by end of month. Grape harvest continued. Cool weather slowed ripening. Good sugar levels, high quality reported. Apple harvest active. Quality, color reported very good.

NORTH CAROLINA: Mean temperature at the seven reporting stations 59° at Greensboro to 67° at Cape Hatteras. Rainfall traces at Raleigh to 1.04 in. at Asheville.

Days suitable for fieldwork 6.1. Soil 4% very short, 41% short, 54% adequate, 1% surplus. Crop conditions: pasture feed 35% fair, 59% good, 6% excellent; tobacco 19% fair, 71% good, 10% excellent; corn 10% poor, 35% fair, 52% good, 3% excellent; cotton 4% poor, 4% fair, 82% good, 10% excellent; peanuts 2% fair, 91% good, 7% excellent; soybeans 9% fair, 85% good, 6% excellent; hay 18% fair, 73% good, 9% excellent; sweet potatoes 16% fair, 76% good, 8% excellent; apples 13% fair, 78% good, 9%

excellent; sorghum 24% fair, 60% good, 16% excellent; hay, roughage supplies 9% short, 78% adequate, 13% surplus; corn for grain harvested 77%, 81% 1993, 73% avg.; corn for silage harvested 91%, 96% 1993, 92% avg.; burley tobacco harvested 93%, 95% 1993, 94% avg.; sorghum 64%, 38% 1993, 43% avg.; apples harvested 90%, 77% 1993, 75% avg.; sweet potatoes harvested 49%, 44% 1993, 47% avg.; cotton harvested 23%, 28% 1993, 24% avg.; peanuts dug 56%, 43% 1993, 41% avg.; peanuts threshed 34%, 23% 1993, 25% avg.; wheat planted 29%, 13% 1993, 15% avg.; oats planted 30%, 18% 1993, 23% avg.; barley planted 31%, 20% 1993, 24% avg.; rye planted 30%, 40% 1993, 27% avg.; soybeans leaf drop 45%, 42% 1993, 43% avg.; second cutting of hay is 94% complete with the third cutting 76% complete. Activities included: Harvesting tobacco, corn, cotton, hay; marketing tobacco, planting small grain, preparing land. Other activities included: Harvesting peanuts, sweet potatoes; tending livestock; equipment repair, general farm maintenance.

NORTH DAKOTA: Lots of cloud cover with areas of heavy rain throughout week. Precipitation 1.47 in. northwest to 2.29 in. north central. Temperatures normal to 1° below normal across the State. Extremes 20° central; 71° south central.

Days suitable for fieldwork 2.6. Soil moisture above average. Topsoil 2% very short, 12% short, 71% adequate, 15% surplus. Subsoil 3% very short, 23% short, 64% adequate, 10% surplus. Precipitation across State delayed harvest of late season crops, progress fell behind average. Flaxseed 80% combined, 72% 1993, 89% avg.; corn for grain 11% harvested, 3% 1993, 27% avg.; corn for silage 79% cut, 91 1993, 95 avg.; dry edible beans 73% combined, 71% 1993, 86% avg.; soybeans 47% combined, 50% 1993, 73% avg.; sunflower 5% harvested, 1% 1993, 32% avg.; potato 89% dug, 92% 1993, 92% avg.; sugarbeets 36%, 63% 1993, 59% avg. Range, pasture feed 83% of normal. Stockwater supplies mostly adequate.

OHIO: Drier than normal weather occurred over the past week. A surge of colder Canadian air swept into the Ohio valley during weekend. Frost occurred across parts of State. High temperatures 60s in north to the upper 60s, around 70 in south. Readings were close to normal in the central, north, normal to as much as 4° below normal in the south. Lows in the upper 30s to 40s across State, which was 1 to 5° below normal across much of the State. Coldest readings were in the 30s. Rainfall around 0.10 to 0.40 in., which was below normal by around 0.20 to 0.50 in. Soil temperatures at the 4.00 in. depth under bare ground averaged in the upper 50s to lower 60s.

Days suitable for fieldwork 6.8. Corn harvest was delayed as farmers concentrated activities towards harvesting soybeans, planting wheat. Soil moisture 51% short, 47% adequate, 2% surplus. Soybeans mature 94%, 91% 1993, 72% avg. Corn mature 78%, 84% 1993, 68% avg. Tomato harvest 93% complete. Potato harvest 80% complete. Corn for silage harvest 81% complete. Hay 1% very poor, 5% poor, 35% fair, 47% good, 12% very good. Pasture feed 2% very poor, 14% poor, 39% fair, 39% good, 6% excellent.

OKLAHOMA: Temperatures 1° below normal Panhandle to 2° above northeast, southeast. Precipitation 0.20 in. Panhandle district to 2.42 in. southeast.

Days suitable for fieldwork 5.9. Topsoil 55% short, 45% adequate. Subsoil 45% short, 55% adequate. Corn 95% harvested, 96% 1993, 87% avg.; soybeans 77% mature, 55% 1993, 46% avg.; 41% harvested, 18% 1993, 16% avg. Peanuts 11% fair, 84% good, 5% excellent; 75% mature, 59% 1993, 77% avg.; 35% dug, 15% 1993, 15% avg. Cotton 12% poor, 46% fair, 42% good; 94% open bolls, 82% 1993, 60% avg.; 35% harvested, 11% 1993, 4% avg. Pasture feed 90% normal. Feeder steers, heifers were steady to \$3 per cwt. below last week.

OREGON: Temperatures coast normal, western valleys 2° above normal, eastern Columbia Gorge 4° above normal, Columbia Basin normal, elsewhere 2° below normal. Precipitation extreme eastern section 0.40 in., elsewhere dry.

Soil moisture 85% short, 15% adequate. 1995 winter wheat crop 23% planted, 7% emerged. 1995 barley crop 12% planted. Fall small grain seedings delay, lack of moisture. Most final alfalfa cuttings completed, light frosts damaging eastern areas. Field corn silage harvest continued, grass seed field preparations, maintenance continued. Malheur, Klamath county sugarbeet, potato, onion harvest continued. Willamette Valley: Onion, potato, cauliflower, cucumber, cole crops harvest continued; apple harvest continued; hazelnuts continued to drop, some harvest underway; walnuts continued to drop. Southern coast: Cranberry harvest continued. Hood River, Rogue River pear harvest continued. Livestock good. Rangeland, forest continued extremely dry. Livestock coming off public

rangelands 2 to 4 weeks early. Supplemental feeding continued statewide. Range, pasture feed 57%.

PENNSYLVANIA: Many areas had first frost of the season. Only precipitation was in western part of State. Temperature 54°, 4° below normal. Extremes 24°; 84°. Precipitation 0.02 in., 0.74 in. below normal.

Days suitable for fieldwork 5. Soil moisture 4% short, 79% adequate, 17% surplus. Ensilage corn harvested 69% complete, 72% 1993. Soybean harvest 10% complete, 9% 1993. Potato harvest 78% complete, 77% 1993. Fall plowing 75% complete, 73% 1993. Wheat planted 61% complete, 58% 1993. Barley planted 78% complete, 77% 1993. Third cutting alfalfa 95% complete, 94% 1993. Fourth cutting alfalfa 64% complete, 62% 1993. Quality of hay made 9% poor, 62% fair, 29% good. Feed from pastures good to excellent. Apple harvest 74% complete, 73% 1993. Grapes harvest 58% complete, 69% 1993. Activities: Making hay; harvesting potatoes, soybeans, corn grain, corn silage; plowing; planting winter small grains; repairing equipment; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: Rainfall 0.56 in. was 1.28 in. below normal. Highest total rainfall 2.98 in. at Maricao, 2.89 in. at Jayuya, 2.66 in. at Yauco. Temperatures 78 to 82° on the coasts, 74 to 77° interior with mean station temperature 83.7° at San Juan WSFO to 67.7° at Pico del Este. Extremes 56°; 69°.

SOUTH CAROLINA: Rainfall 1.80 in.; temperatures 1 to 2° below normal.

Days suitable for fieldwork 5.4. Soil moisture 25% short, 73% adequate, 2% surplus. Tobacco 87% stalks destroyed, 75% 1993, 79% avg. Corn fair to good; 90% harvested, 95% 1993, 93% avg. Cotton 48% fair, 48% good, 4% excellent; 84% open bolls, 98% 1993, 93% avg.; 17% harvested, 37% 1993, 24% avg. Soybeans 14% fair, 81% good, 5% excellent; 43% leaves turning, 53% 1993, 60% avg.; 19% dropping leaves, 24% 1993, 25% avg.; 14% mature, 11% 1993, 13% avg.; apples good; 84% harvested, 77% 1993, 85% avg. Barley 5% planted, 11% 1993, 8% avg.; 2% emerged, 3% 1993, 5% avg. Oats 9% planted, 21% 1993, 13% avg.; 3% emerged, 7% 1993, 5% avg. Peanuts 49% harvested, 43% 1993, 45% avg. Rye 18% planted, 22% 1993, 19% avg.; 10% emerged, 8% 1993, 7% avg. Sweet potatoes 34% harvested, 43% 1993, 49% avg. Winter wheat 3% planted, 4% 1993, 2% avg.; 1% emerged, 0% 1993, 0% avg. Sorghum fair to good; 51% harvested, 55% 1993, 56% avg. Fall hay good; 81% harvested, 71% 1993, 78% avg. Pasture feed 25% fair, 68% good, 7% excellent.

SOUTH DAKOTA: Cool, damp, gusty winds. Temperatures 3° below normal to 4° above normal. Extremes 27°; 78°. Widespread precipitation, heaviest 6.94 in., west central.

Days suitable for fieldwork 2.1. Topsoil 2% very short, 20% short, 66% adequate, 12% surplus. Subsoil 7% very short, 36% short, 51% adequate, 6% surplus. Sunflower 3% fair, 63% good, 34% excellent; 28% harvested, 13% 1993, 40% avg. Livestock 5% fair, 77% good, 18% excellent. Feed supply 5% short, 81% adequate, 14% surplus. Pasture feed 79% of normal. Stockwater supply 1% very short, 4% short, 84% adequate, 11% surplus. Ranchers vaccinated calves, moved hay to winter headquarters.

TENNESSEE: Dry conditions were experienced from 3rd into 8th afternoon. Cool front moved across the State 8th bringing general rainfall. Temperatures above normal over west, middle areas, with below normal temperatures in the east.

Days suitable for fieldwork 6.0. Soil moisture 3% very short, 35% short, 62% adequate. Corn 66% grain harvest, 67% 1993, 62% avg.; cotton 33% harvested, 40% 1993, 33% avg.; 1% fair, 99% good; burley 97% harvested, 95% 1993, 96% avg.; 13% burley strip, 10% 1993, 14% avg.; dark fire cured 99% harvest, 97% 1993, 98% avg. Dark air cured 99% harvest, 97% 1993, 96% avg. Sorghum 90% grain harvest, 88% 1993, 68% avg.; soybeans 64% shedding, 72% 1993, 62% avg.; 37% mature, 40% 1993, 30% avg.; 10% harvested, 10% 1993, 8% avg.; 19% fair, 80% good, 1% excellent. Wheat 16% seeded, 17% 1993, 17% avg.; cattle 6% fair, 92% good, 2% excellent.

TEXAS: Early in week, a front brought thunderstorms to the Panhandle, north central sections. A second front moved slowly across the State the latter half of week, bringing rain to most sections, large totals in southern districts. Alice reported over 7.00 in. of rain. Temperatures were warm the first part of the week. However, chilly air followed the second front. A few stations in the Panhandle, northern south plains reported first freeze of the season this past weekend. Rainfall ran above normal except for slightly below normal readings on southern high plains, Trans Pecos. Rainfall 4.00 in. or more above normal in Coastal Bend. Temperatures were generally below normal in Plains area, southern districts, close to normal elsewhere.

Crops: Corn: hot, dry conditions in the Plains allowed harvest activities to push forward in full swing. Rains caused delays in some areas. Cotton continued to open in the Plains. Defoliation was active, harvest continued at good pace. Regrowth continued to cause problems in some areas. Harvest was winding down in Blacklands. Cotton 62% normal, 78% 1993. Peanut harvest continued, dry soil conditions caused delays in some areas. Peanuts 76% normal, 71% 1993; 16% harvested, 13% 1993. Rice harvest was virtually completed. Sorghum: harvest activities pushed forward, rains across the Plains caused delays. In the Blacklands, producers were busy plowing harvested fields. Sorghum 69% normal, 83% 1993; 97% turning color, 99% 1993. Soybeans: open weather conditions helped late maturing beans continue to make good progress. Harvest activities remained in full swing. Soybeans 45% harvested, 47% 1993. Small grains: across the Plains, Cross Timbers, Blacklands, winter wheat planting continued. Early planted wheat made good progress. Moisture received will allow planting activities to continue, help germination of earlier planted fields. Land preparations continued in East Texas, a few fields were planted. Oat planting also continued at a good pace. Emergence in some areas was poor due to lack of moisture. Wheat 66% normal, 68% 1993; 40% oats planted, 34% 1993. Sugarbeets 2% harvested, 16% 1993. Sunflowers 40% harvested, 42% 1993.

Commercial Vegetables: Rio Grande Valley rains caused minor delays to citrus harvest. Cucumber harvest continued, lettuce planting got underway. Onions, tomatoes, watermelons, peppers made good progress. San Antonio-Winter Garden harvest of cucumbers got underway. Some fields of fall squash, melons suffered from heavy aphid, whitefly, disease pressure. Watermelon development was slowed due to vine infection in some areas. Trans-Pecos chili, pepper harvest continued. East Texas sweet potato harvest continued to wind down. High Plains harvest of carrots, peppers, pumpkins was active. Pecans harvest got underway on a limited basis on most early developing varieties. Most later developing varieties made good progress and may benefit from the rains received. Pecans 6% harvested, 8% 1993.

Range and Livestock: Pasture feed conditions continued to decline throughout the week, should benefit from moisture received. Hay harvest was winding down in most areas. Supplemental feeding continued to increase across most areas. Livestock remained in fair to good condition.

UTAH: Temperatures: maximums 8° below normal; minimums 3° above normal. Precipitation moderate to heavy across the entire State with the Uinta Mountain division receiving 1.90 in.

Days suitable for fieldwork 3.5. Soil moisture 13% short, 68% adequate, 19% surplus. Winter wheat planted for 1995 crop 71%, 87% 1993, 93% avg.; emerged for 1995 crop 33%, 68% 1993, 52% avg. Corn matured 89%, 68% 1993; harvested for silage 86% completed, 74% 1993; harvested for grain 40% completed, 9% 1993, 25% avg. Alfalfa 4th cutting 75%, 53% 1993, 71% avg.; harvested for seed 86%. Apples harvested 62%, 32% 1993, 65% avg. Onions harvested 76%, 71% 1993. Potatoes harvested 59%, 56% 1993, 71% avg. Dry beans harvested 43%. Cattle moved from summer range 81%, 65% 1993, 66% avg. Sheep moved from summer range 80%, 70% 1993, 73% avg. Pasture, range feed poor to fair. Rain during the week slowed farm activities across the State. Major farm activities: Harvesting alfalfa hay, apples, onions, potatoes, corn silage; planting winter wheat; moving cattle, sheep from summer pastures.

VIRGINIA: Temperatures below normal. Extremes 33°; 88°. Precipitation below normal.

Days suitable for fieldwork 5.5. Topsoil 14% very short, 45% short, 41% adequate. Pasture feed 3% very poor, 14% poor, 38% fair, 43% good, 2% excellent. Livestock 3% poor, 13% fair, 82% good, 2% excellent. Corn for grain harvest 67%, 70% 1993, 65% avg. Corn for silage harvested 87%, 91% 1993, 92% avg. Soybean 48% fair, 51% good 1% excellent; harvested 10%, 10% 1993, 7% avg. Peanuts 14% fair, 86% good; dug 65%, 61% 1993, 68% avg.; combined 45%, 43% 1993, 51% avg. Cotton harvested 17%, 27% 1993, 24% avg. Flue tobacco harvested 95%, 93% 1993, 96% avg. Burley tobacco harvested 99%, 98% 1993, 99% avg. Fall apples harvested 70%, 67% 1993, NA avg. Winter apples harvested 50%, NA 1993, NA avg. Wheat seeded 17%, 14% 1993, 15% avg. Oats

seeded 60%, 42% 1993, 53% avg. Barley seeded 35%, 37% 1993, 36% avg. Sweet potato harvest nearly 64% completed. Liming pasture, hay fields, preparing land for small grain seeding. Cotton defoliation, harvesting was on schedule with good yield reported.

WASHINGTON: Temperatures 5° below normal to 1° above normal west; 4° below normal to normal east. Precipitation none to 0.48 in. west; none to 0.11 in. east. Temperatures mostly normal and below. Precipitation mostly nonexistent except in of some northern areas.

Days suitable for fieldwork 6.9. Soil moisture 93% short, 7% adequate. Hay, other roughage supplies 13% short, 77% adequate, 10% surplus. Range, pasture feed 40% very poor, 45% poor, 10% fair, 5% good. Winter wheat, dryland 10% very poor, 30% poor, 50% fair, 10% good; irrigated, 10% fair, 15% good, 75% excellent. Potatoes 7% fair, 93% good. Dry edible beans 8% fair, 92% good. Corn 6% fair, 93% good, 1% excellent. Winter wheat 70% planted, 89% 1993, 85% avg.; 52% emerged, 73% 1993, 65% avg. Potatoes 67% harvested, 71% 1993, 64% avg. Corn silage 80% harvested, 66% 1993, 78% avg. Corn grain 15% harvested, 2% 1993, 9% avg. Dry beans 95% harvested, 74% 1993, 78% avg. Alfalfa, third cutting, 99% completed, 97% 1993, 99% avg. Winter wheat seeding progressed as many producers gave up waiting on precipitation and seeded into dry soil with hopes that rains will come soon. Dry bean harvest, fourth cutting alfalfa both nearly complete in Columbia Basin. Apple, grape harvest continued. Red Delicious apple harvest winding down, Fuji apple harvest got underway in the Wenatchee Valley. Concord grape harvest expected to be completed within two weeks in the Yakima Valley. Supplemental livestock feeding continued while some ranchers shipped livestock out of the area due to lack of feed.

WEST VIRGINIA: Temperature 55°. Extremes 31°; 82°. Precipitation 0.08 in.

Days suitable for fieldwork 5.6. Soil moisture 44% short, 56% adequate. Hay 16% fair, 78% good, 6% excellent; second cutting 94%, 100% 1993, 97% avg.; third cutting 85%, 95% 1993, 82% avg. Apples 100% good. Corn 15% fair, 81% good, 4% excellent; dough stage 100%, 100% 1993, 100% avg.; mature 90%, 100% 1993, 85% avg.; harvested 45%, 55% 1993, 43% avg. Tobacco 29% fair, 71% good; harvested 94%, 95% 1993, 96% avg. Soybeans 10% fair, 90% good; dropping leaves 60%, 76% 1993. Wheat sown 13%, 15% 1993, 20% avg. Barley sown 40%, 78% 1993. Pasture feed 43% fair, 46% good, 11% excellent; 91% of normal. Cattle 8% fair, 92% good. Sheep 3% fair, 97% good. Farm activities: Cutting hay, sowing barley, wheat, harvesting tobacco, corn, silage, apples, clipping pastures, equipment maintenance.

WISCONSIN: Temperature 52°, 1° above normal. Extremes 27°; 82°. Precipitation 0.20 to 0.60 in.

Days suitable for fieldwork 3.9. Soil moisture 3% short, 62% adequate, 35% surplus. Pasture feed 86%, 84% 1993, 78% avg. General condition of crops: 1% poor, 3% fair, 76% good, 20% excellent. Corn mature 88%, 41% 1993, 65% avg.; harvested for grain 9%, 4% 1993, 10% avg.; silage harvested 65%, 40% 1993, 60% avg.; 51% good, 49% excellent. Soybean 3% fair, 67% good, 30% excellent. Soybean leaves shedding 85%, 82% 1993, 83% avg.; harvested 11%, 14% 1993, 17% avg. Third cutting hay harvested 78%, N/A 1993, N/A avg. Fall tillage 15%, 15% 1993, 16% avg.

WYOMING: Temperatures mostly below normal across State. The exceptions were Redbird, Torrington 2 to 6° above normal. Deaver was the cool spot 10° below normal. Above normal precipitation was received Statewide. The exceptions were Laramie, Redbird receiving less 0.20 in. Sundance received the largest amount of precipitation at 3.72 in.

Days suitable for fieldwork 2.7. Topsoil 15% short, 80% adequate, 5% surplus. Subsoil 66% short, 34% adequate. Sugarbeets 19% harvested, 33% 1993, 32% avg. Dry beans 94% combined, 56% 1993, 80% avg. Corn 38% harvested, 24% 1993, 18% avg. Winter wheat seedings for 1995 88% emerged, 79% 1993, 80% avg.; 22% fair, 78% good. Cattle, calves moved from summer ranges 75%, 56% 1993. Sheep, lambs moved from summer ranges 76%, 58% 1993. Stockwater supplies 38% short, 62% adequate. Hay, roughage supplies 65% short, 35% adequate.

International Weather and Crop Summary

HIGHLIGHTS

October 2 - 8, 1994

FSU-WESTERN: Continued drought over eastern Ukraine and southern Russia hampered winter wheat germination and establishment.

FSU-NEW LANDS: Unseasonably warm, dry weather favored rapid spring grain harvesting.

EUROPE: Wet weather slowed crop harvesting.

AUSTRALIA: Rain brought relief to southern wheat areas, while more rain is still needed in the west.

SOUTH AMERICA: Rain favored summer crop planting and coffee flowering across southern Brazil and reproductive wheat in Argentina.

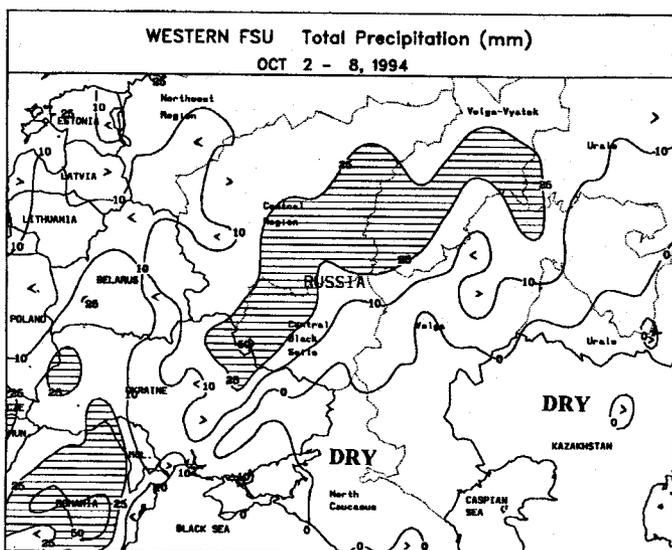
SOUTH ASIA: Heavy rain in southern and eastern India increased irrigation reserves but caused some flooding.

SOUTHEAST ASIA: Heavy showers caused more local flooding in Thailand and Vietnam.

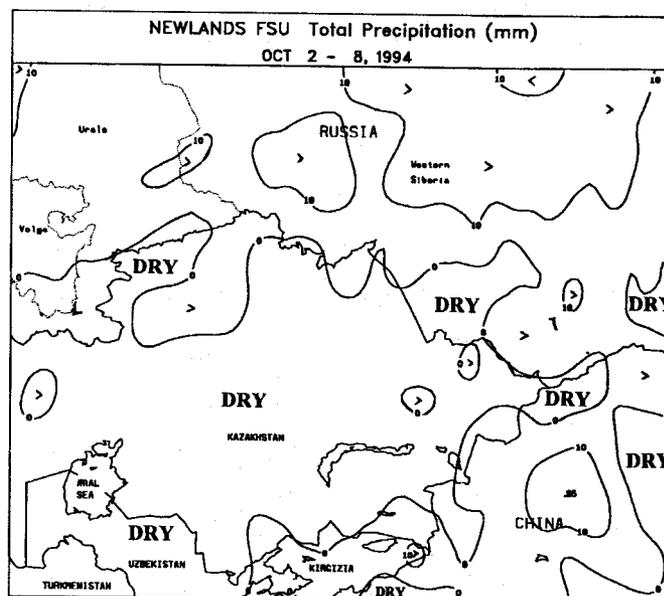
EASTERN ASIA: Dry weather favored summer crop harvesting and winter wheat planting across the North China Plain. Heavy rains slowed rice harvesting across south-central China.

MEXICO: Showers favored immature summer crops across the main corn belt.

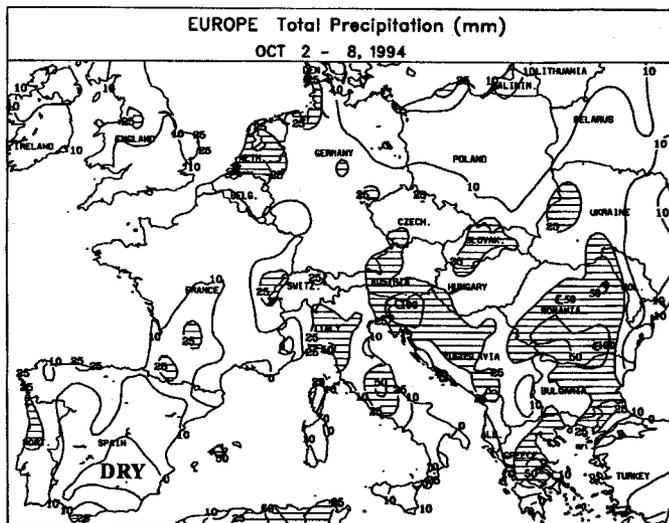
CANADA: The first widespread killing freeze, coming too late to affect spring grains and oilseeds, covered the Prairies.



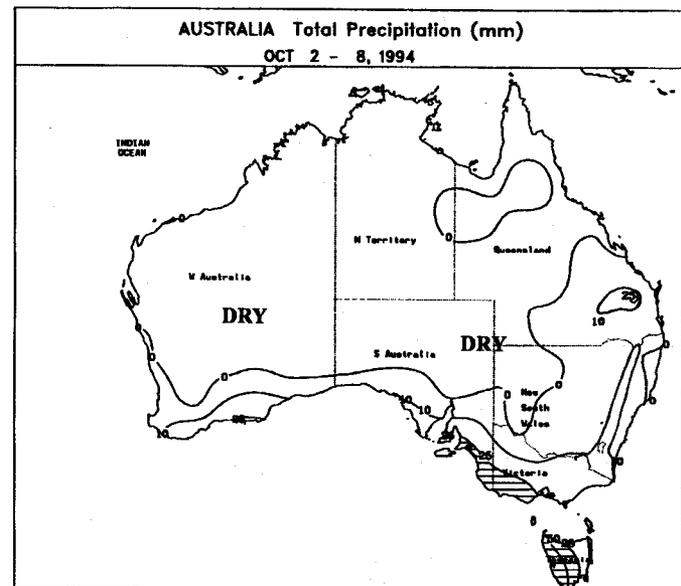
FSU-WESTERN: Drought continued over eastern Ukraine and southern Russia (North Caucasus, lower Volga Valley, and southeastern Black Soils Region). While the dryness favored corn and sunflower harvesting, topsoil moisture remained insufficient for winter wheat germination and establishment. In addition, weekly average temperatures ranged from 3 to 7 degrees Celsius (C) above normal in these areas, exacerbating the dryness. The drought likely delayed winter wheat planting beyond optimum dates as producers waited for rain. For most years, late planting reduces the likelihood that winter wheat will become well established prior to entering dormancy, making the crop more susceptible to potential winterkill. In Russia and Ukraine, the area affected by drought historically accounts for about 70 and 55 percent of winter wheat production, respectively. Farther north, significant rain (25-50 mm) fell northeastward from the northern tip of Ukraine, through the Central Black Soils Region and southern Central Region, into the Volga Vyatsk Region, providing abundant topsoil moisture for vegetative winter grains. Winter grains began cold-hardening prior to dormancy in the Baltic States, Belarus, and northern Russia. Winter grains in these areas usually begin entering dormancy in late-October.



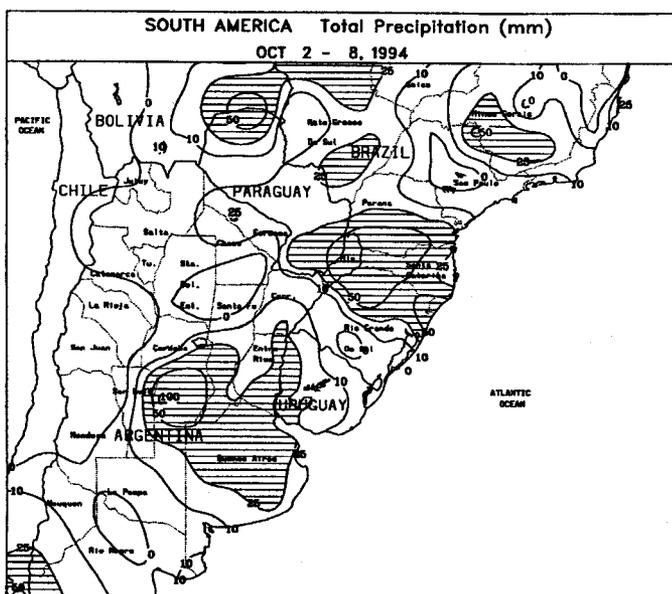
FSU-NEW LANDS: Unseasonably warm, dry weather covered most of Russia and Kazakhstan, favoring rapid spring grain harvesting. Significant rain (greater than 10 mm) was confined to northern crop areas in Russia. Weekly average temperatures were 3-5 degrees C above normal over the region. In the Russian Federation, reports as of October 3 indicated spring grain harvesting, excluding corn, was about 85 percent complete, with the harvest virtually completed in the European part of Russia and the Urals. In cotton-growing areas of Central Asia, unseasonably warm, dry weather favored harvesting.



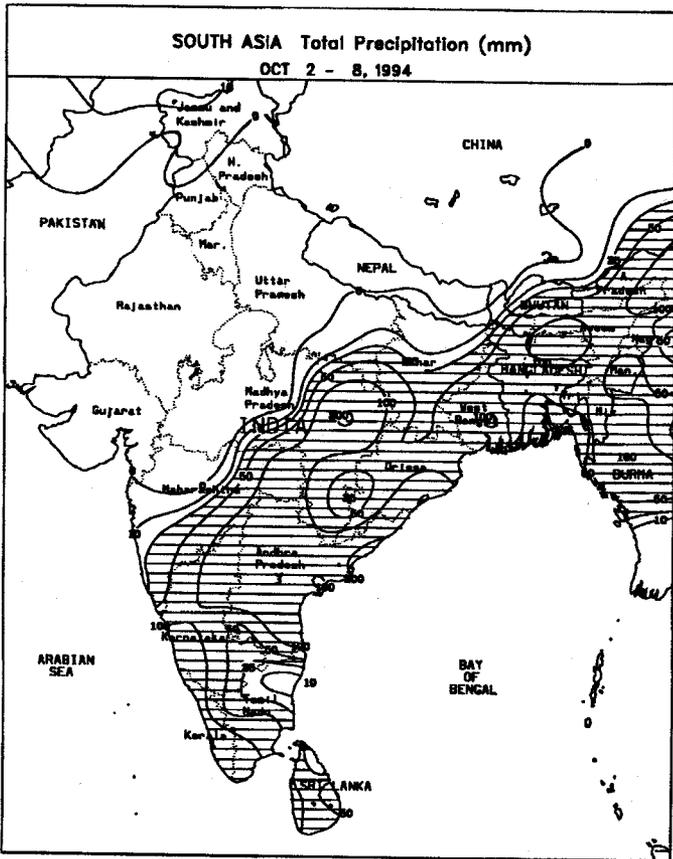
EUROPE: Showers (10-25 mm) continued to dampen southwestern France and northern Spain, slowing the progress of corn and sunflower harvesting. Heavier rain (25-50 mm) soaked northern Italy again, and spread across the Balkan region, where 40-84 mm amounts halted corn harvesting in former Yugoslavia and Romania. Significant rain (30-80 mm) also impeded cotton harvesting in Greece. Wet weather (10-25 mm, with scattered 25-53 mm) also prevailed over east-central Europe, where corn and sunflower harvesting had made rapid progress earlier. Light rain (1-10 mm) across much of northern Europe allowed progress in the sugarbeet harvest in Poland, northern France, and southern England. Harvesting was slowed by wetness over the Netherlands and scattered portions of Germany. Topsoil moisture is adequate for winter crop establishment throughout much of Europe.



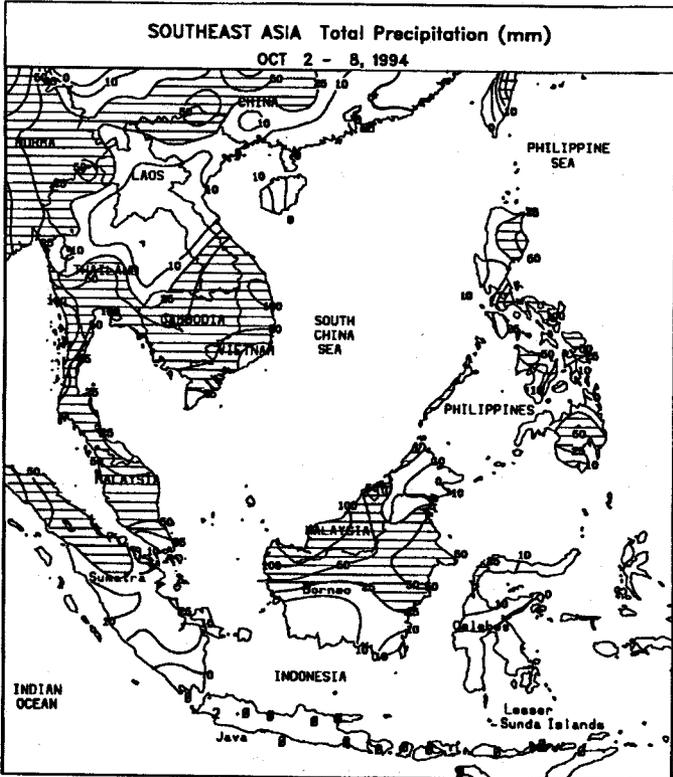
AUSTRALIA: Light to moderate rain (10-30 mm) covered the southern wheat areas of South Australia and Victoria, helping to stabilize the yield potential of reproductive wheat. Scattered light rain (less than 10 mm) fell across southwestern Australia, where additional rain is needed for reproductive wheat. Light rain (less than 10 mm, with isolated amounts greater than 15 mm in Queensland) fell across New South Wales and southern Queensland, bringing some relief to winter wheat. However, the rains likely had little impact on the drought-stricken wheat crop in Queensland, where early harvesting is underway. Light to moderate rain (10-25 mm) fell in the mountains of New South Wales, increasing water supplies for irrigated summer crops, which are typically planted from September to December. Temperatures averaged 1-3 degrees C below normal across most wheat areas, slowing development.



SOUTH AMERICA: Light to moderate showers (10-40 mm) fell across most crop areas of southern Brazil and southern Paraguay, boosting soil moisture for corn and soybean planting. Heavier showers (30-75 mm) fell across northern Rio Grande do Sul, Santa Catarina, and southern Parana, further increasing soil moisture supplies. The first significant rains of the season (5-30 mm, with isolated amounts greater than 35 mm) fell across northern Sao Paulo and southwestern Minas Gerais, favoring coffee flowering. In Argentina, moderate rain (20-50 mm) covered southern Santa Fe, southern Cordoba, and most of Buenos Aires, favoring reproductive winter wheat and boosting soil moisture for summer crop planting. Temperatures averaged 1-3 degrees C above normal across the region.

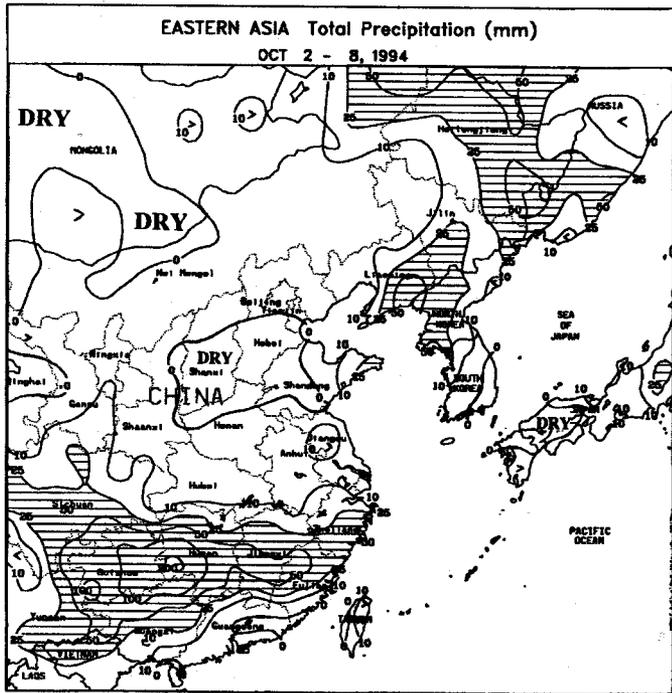


SOUTH ASIA: Unseasonably heavy rain (50-100 mm or more, with a few locations receiving more than 200 mm) covered a large area of southern and eastern India, greatly increasing moisture reserves for rice and other autumn-planted crops. However, some flooding likely occurred in major rice areas, especially sections of the southeast coast that received more than 200 mm. In the north, seasonably dry, warm weather benefited maturing summer crops and early fieldwork in winter wheat and oilseed areas. Winter crop planting usually runs from October through December.



SOUTHEAST ASIA: Heavy rain (50-100 mm) lingered over sections of Vietnam and Thailand (near Bangkok), causing additional flooding. Drier weather over a large area from central Thailand to northern Vietnam, however, favored main-season harvests. Moderate showers (25-50 mm or more) pushed southward through Malaysia into northern Indonesia, but have yet to reach drought-stricken Java. In the Philippines, scattered, locally heavy showers (50-137 mm) covered the islands, benefiting secondary grains.

EASTERN ASIA: Dry weather continued to favor summer crop harvesting and winter wheat planting across the North China Plain. However, rain is still needed for winter wheat germination. In Manchuria, light to moderate rain (5-25 mm) favored late filling summer crops, but slowed early harvesting. Freezing temperatures, which typically occur by October 1, were reported for the first time across extreme northern Manchuria (Heilongjiang). The late freeze allowed summer crops extra time for filling. Daily showers produced rainfall totals of 25-75 mm across south-central China (eastern Sichuan and Yunnan eastward to Zhejiang and Fujian), slowing late double-crop rice harvesting. Heavier showers (100-200 mm) in Guizhou and Hunan delayed harvesting and caused flooding. Mostly dry weather continued to favor rice harvesting across South Korea. Drier weather (10-25 mm) favored rice harvesting across Japan, after last week's heavy rain. Temperatures averaged 2-3 degrees C below normal across south-central China and elsewhere.



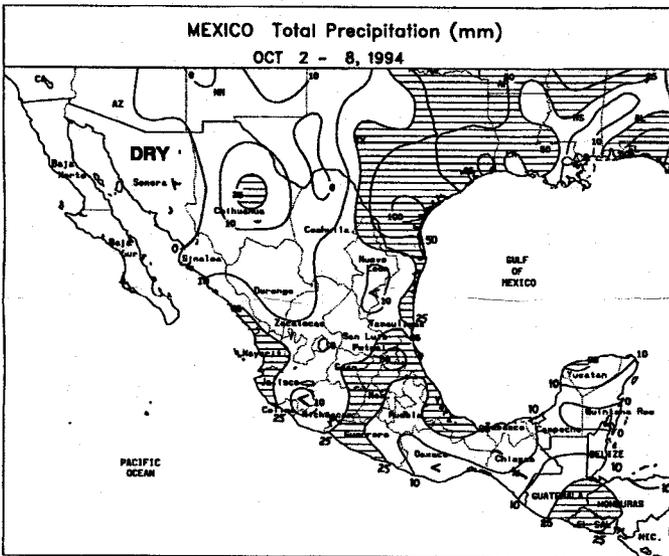
The Weekly Weather and Crop Bulletin is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Weather Chronicle. It is issued under general 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.

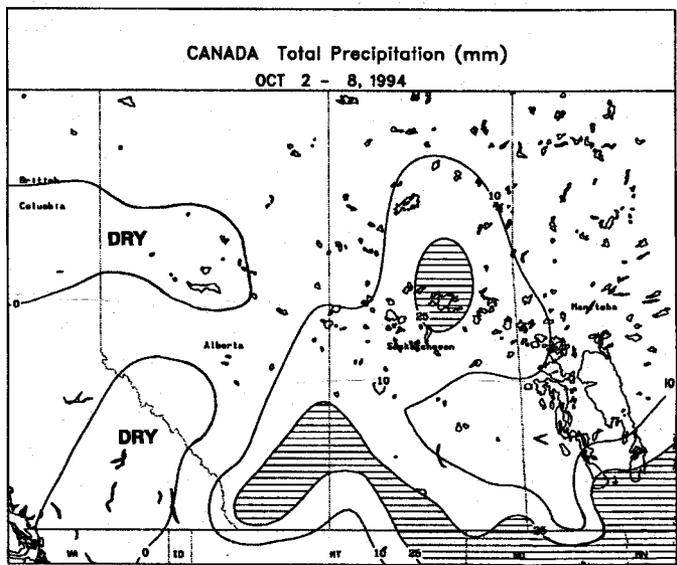
U.S. DEPARTMENT OF COMMERCE
 National Oceanic and Atmospheric Administration
 National Weather Service/Climate Analysis Center
 Managing Editor (acting) . . . *David Miskus* (202) 720-7919
 Editor *Brad Rippey* (202) 720-1444
 Meteorologists: *David Secora, Jeff Savadel, Jeff Linhardt*

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



MEXICO: Light to moderate showers (5-25 mm) prevailed across the Southern Plateau corn belt, favoring filling summer crops. Moderate showers (20-40 mm) fell across northeastern and east-central Mexico (eastern Tamaulipas and eastern Veracruz), favoring citrus and sugarcane. Light showers (less than 10 mm) fell across the Yucatan Peninsula, where previous rainfall has been adequate for vegetative corn. Northwestern Mexico (Sonora and northern Sinaloa) received little or no rain. Temperatures averaged 2-3 degrees C above normal along the eastern Sierra Madre and the Yucatan Peninsula.



CANADA: The season's first widespread killing freeze covered the Prairies at week's end. However, spring and oilseed harvesting was virtually complete. Prior to the freeze, showers (5-25 mm or more, with local totals exceeding 35 mm) and mild weather benefited newly planted winter wheat, a relatively minor crop for this region. In Ontario and Quebec, dry, frosty weather aided corn and soybean harvests and helped harden winter wheat.

**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