

WEEKLY WEATHER AND CROP BULLETIN

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

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

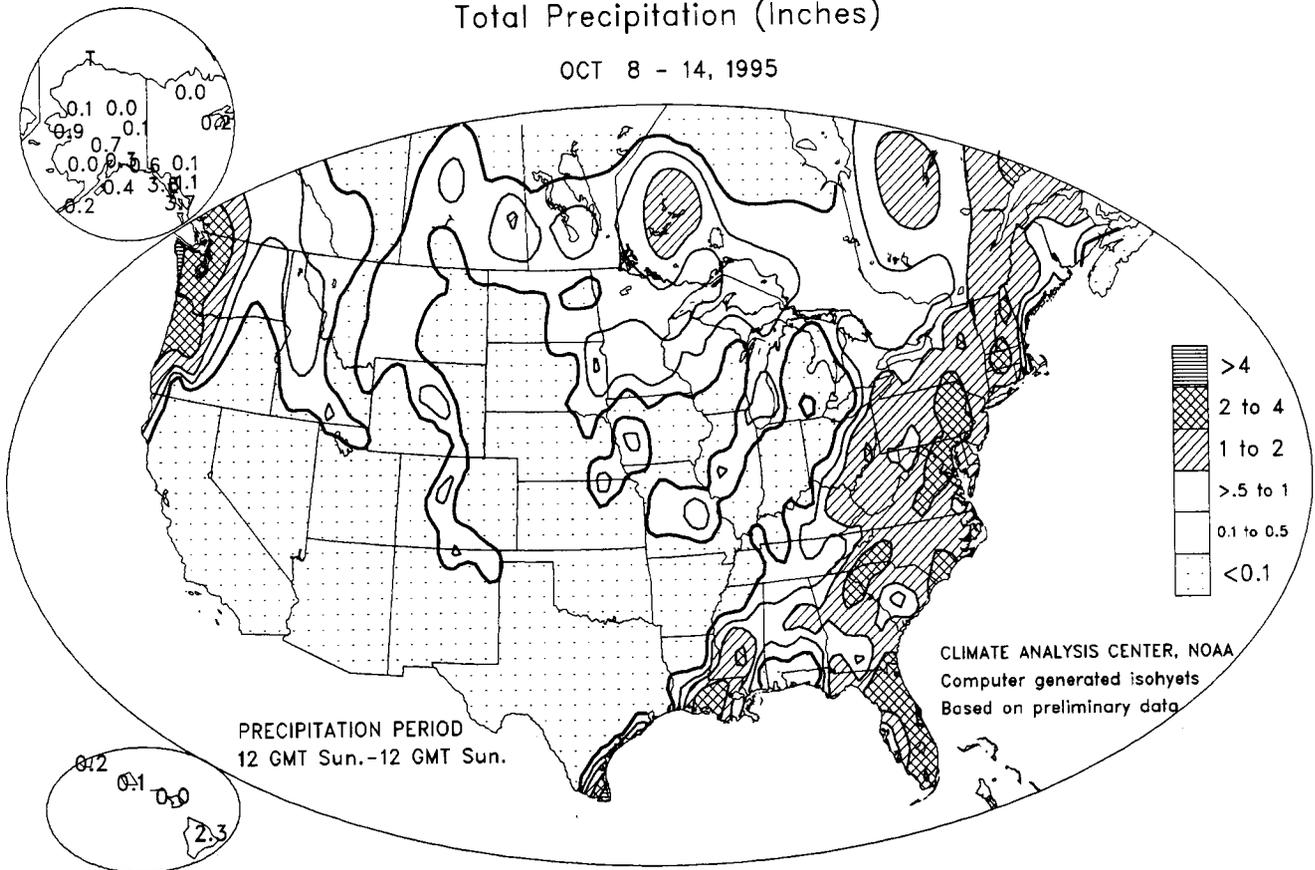
Volume 82, No. 42

Washington, D.C.

October 17, 1995

Total Precipitation (Inches)

OCT 8 - 14, 1995



HIGHLIGHTS

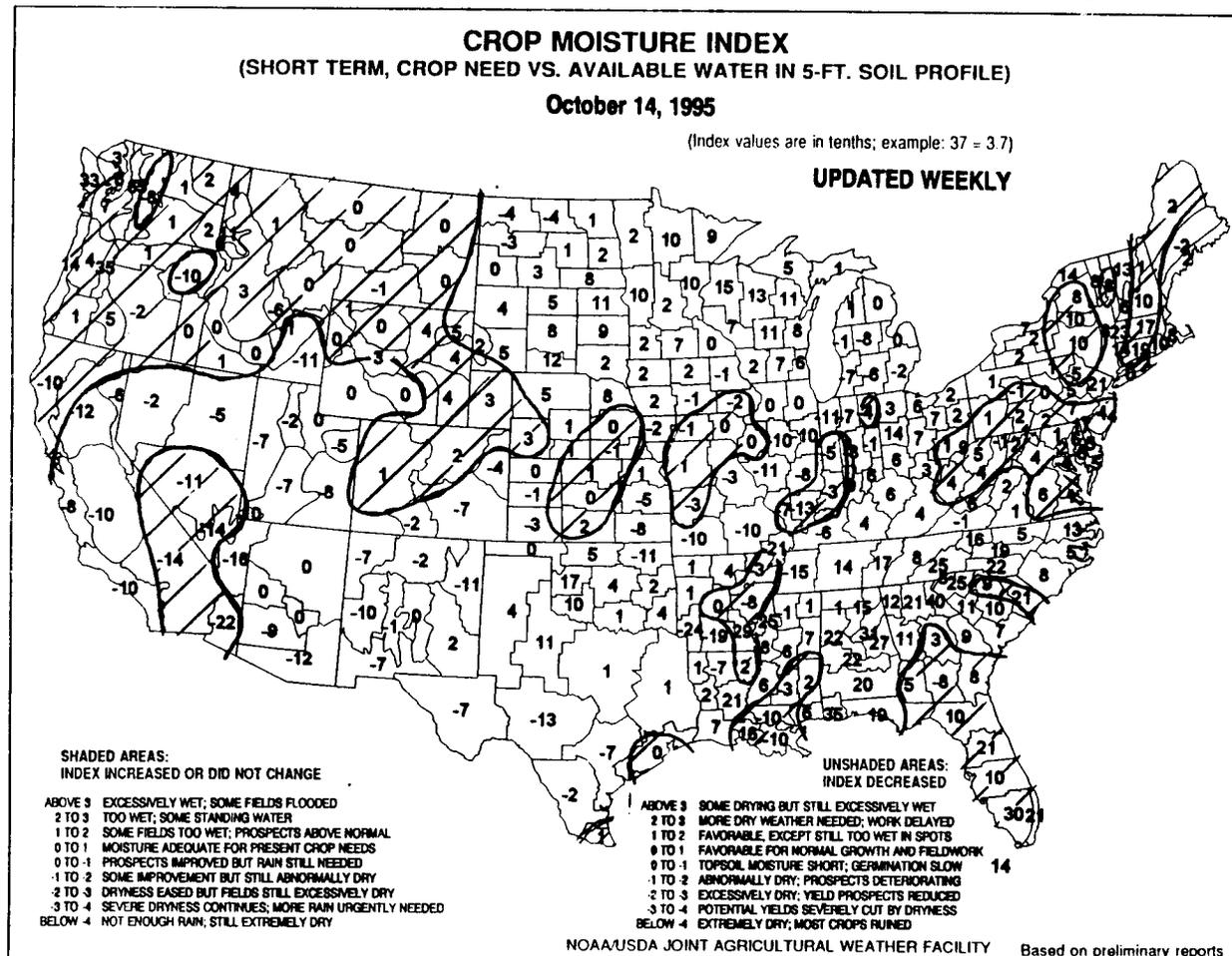
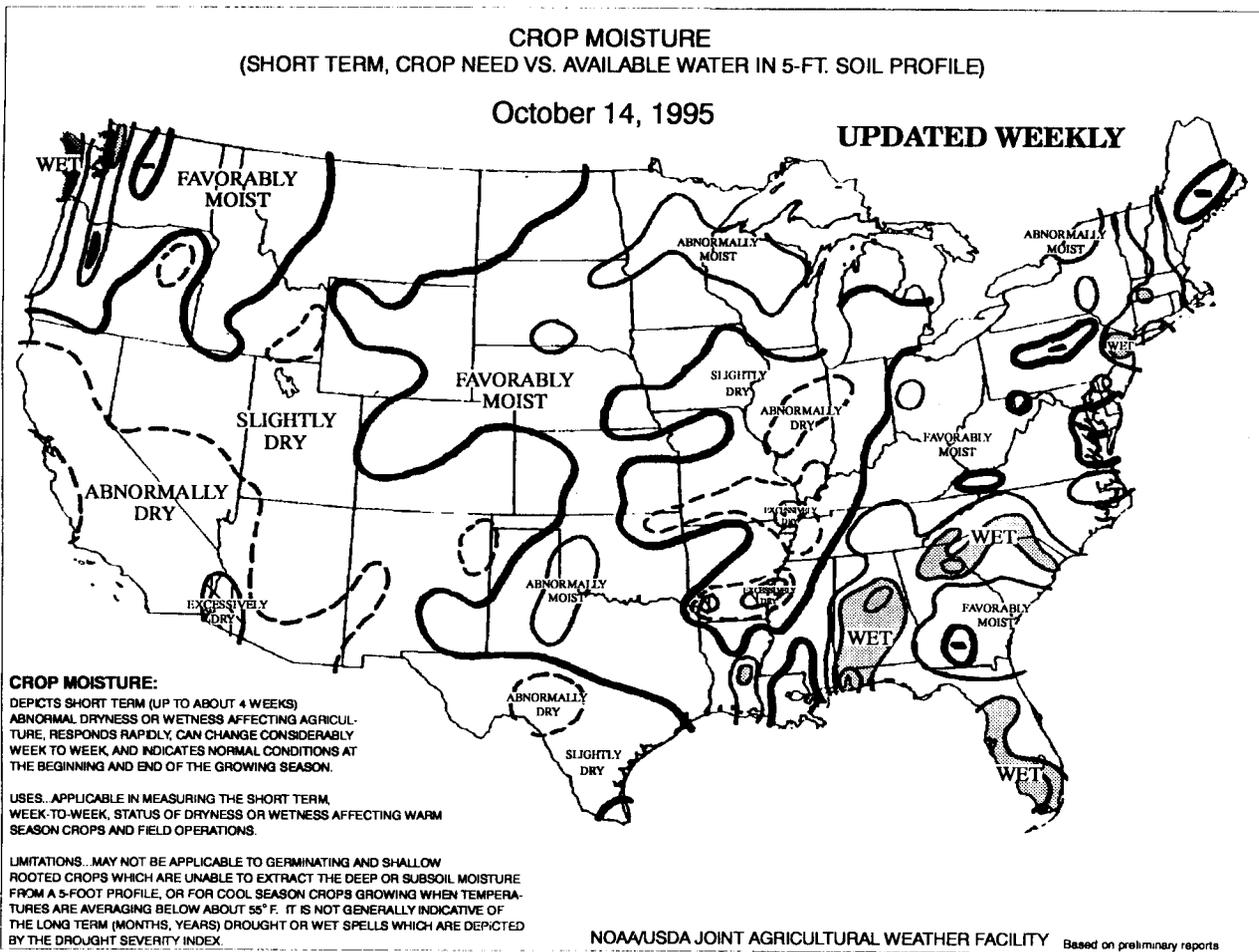
October 8 - 14, 1995

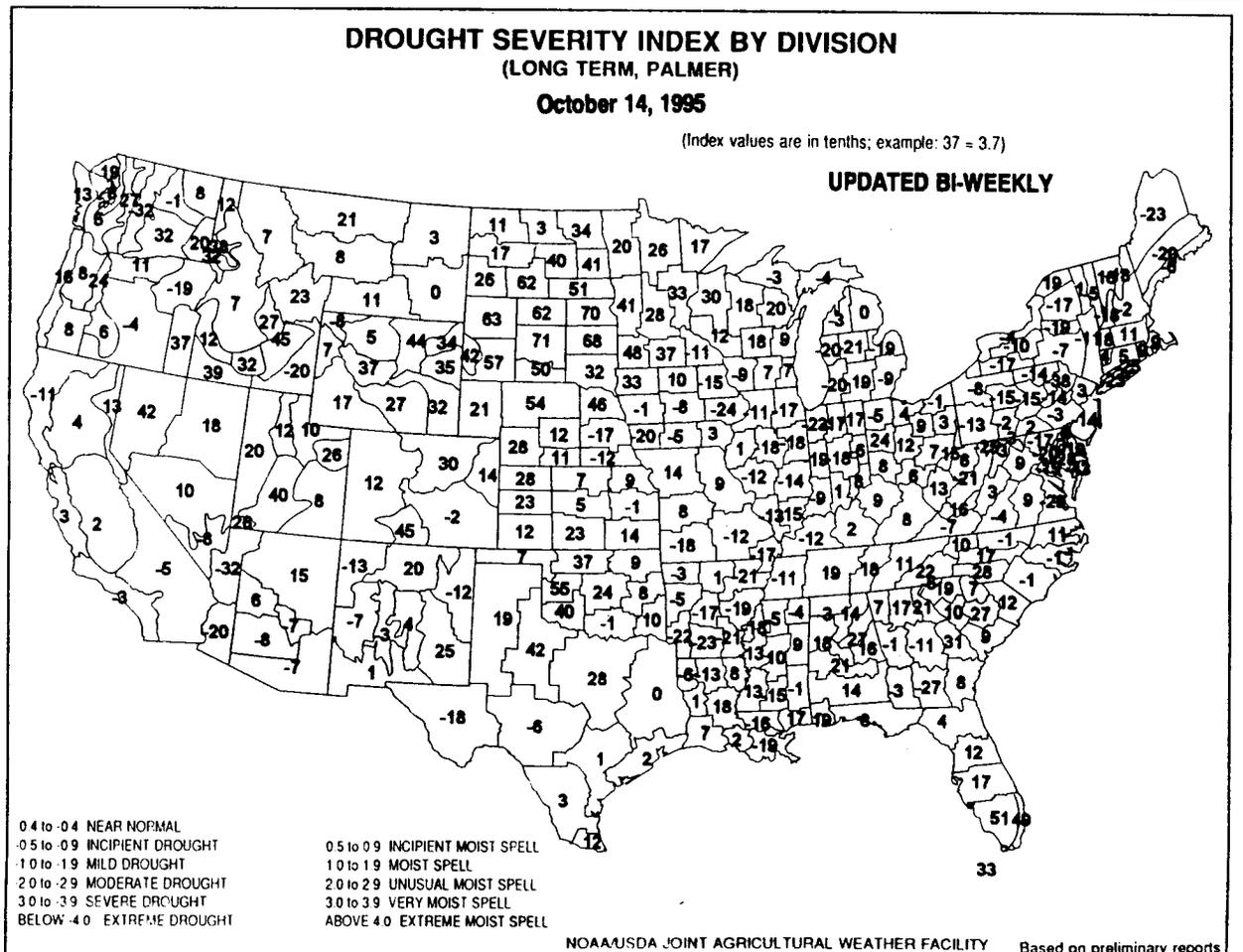
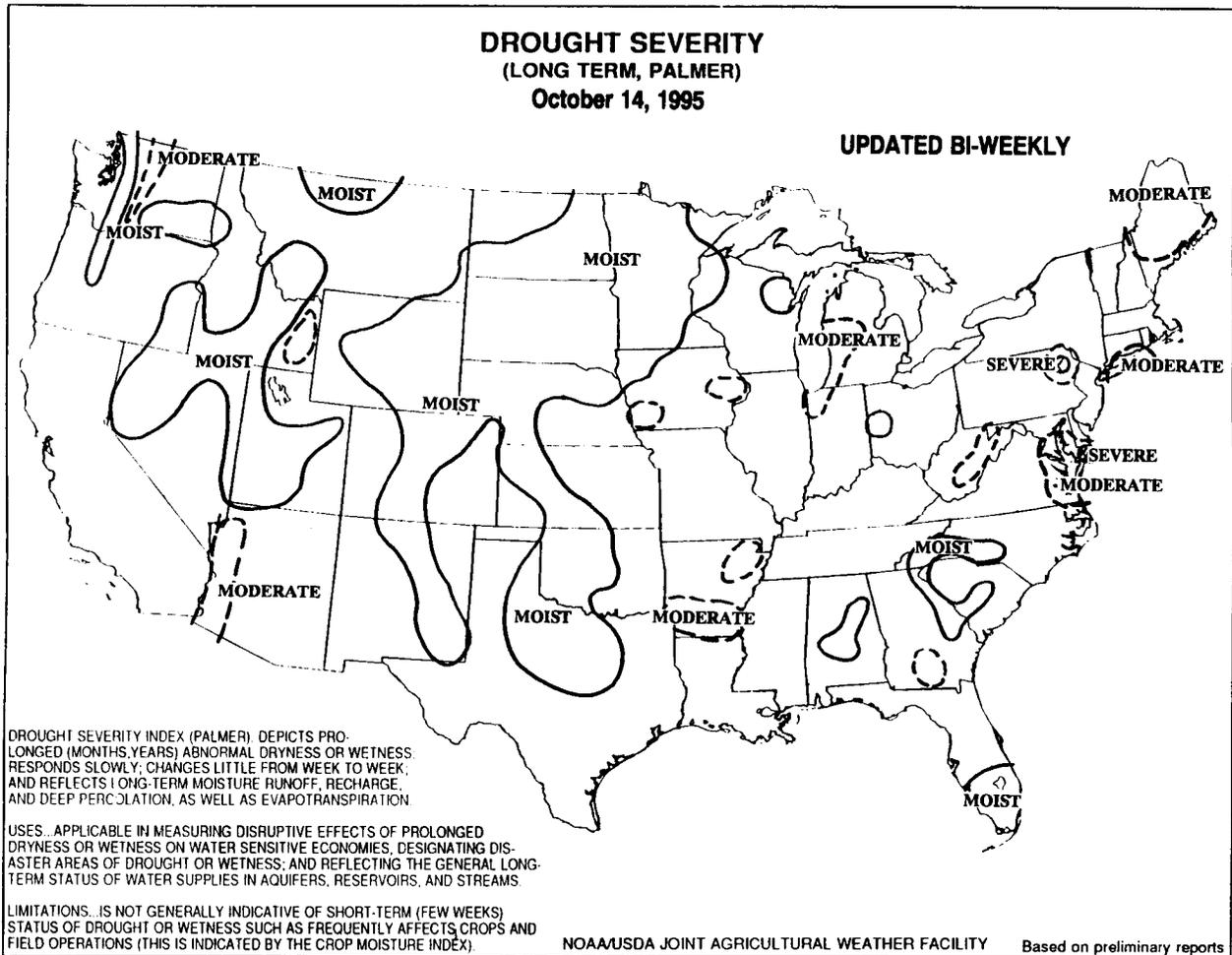
A strong, fast-moving cold front swept across the Nation after midweek, ending a 3-day spell of record warmth. Aside from early-week rains in the North-Central States, significant precipitation was confined to the Northwest and eastern seaboard. Rain tapered to showers after midweek west of the Cascades, while farther east, the front briefly interacted with tropical moisture, enhancing rainfall across the East. One to three-inch totals were common during October 13-14 from Florida to New England.

Early in the week, thunderstorms peppered the Florida Peninsula, where Melbourne noted a daily-record rainfall (3.62 inches) on Sunday. Farther west, light precipitation spread across the upper Midwest from the northern Plains, hindering harvest activities in the already-damp northwestern Corn Belt. In Casper, WY, a daily-record precipitation total of 0.39 inches on October 8 included 1.7 inches of snow. (Continued to back cover)

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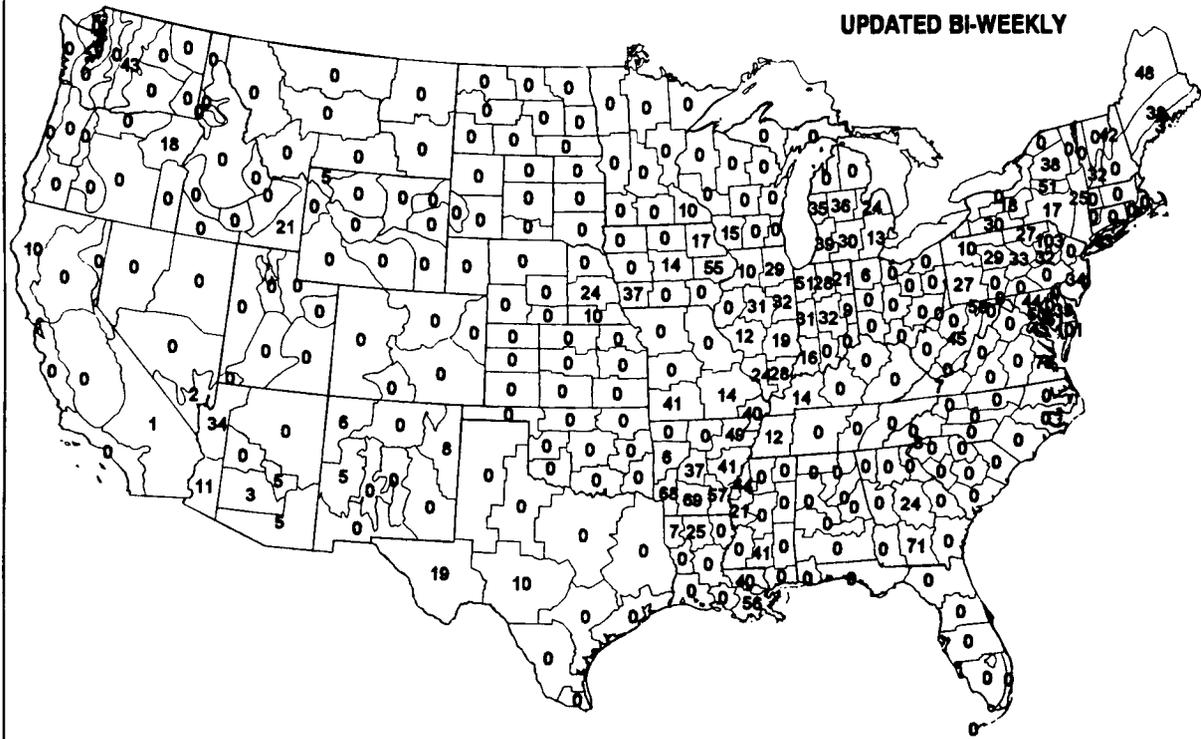




**ADDITIONAL PRECIPITATION NEEDED TO BRING INDEX NEAR ZERO
(LONG TERM, PALMER)
October 14, 1995**

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

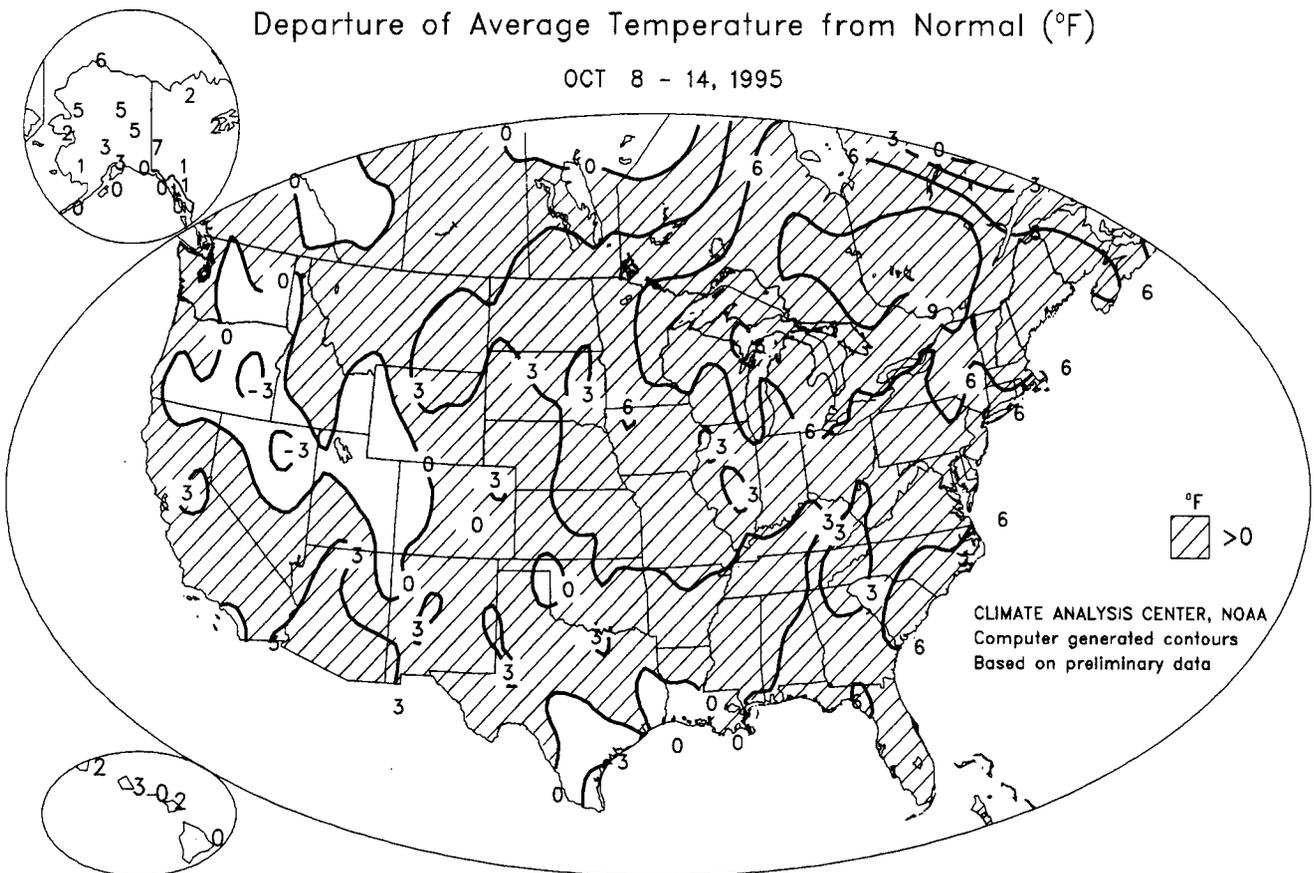
UPDATED BI-WEEKLY



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

Departure of Average Temperature from Normal (°F)

OCT 8 - 14, 1995

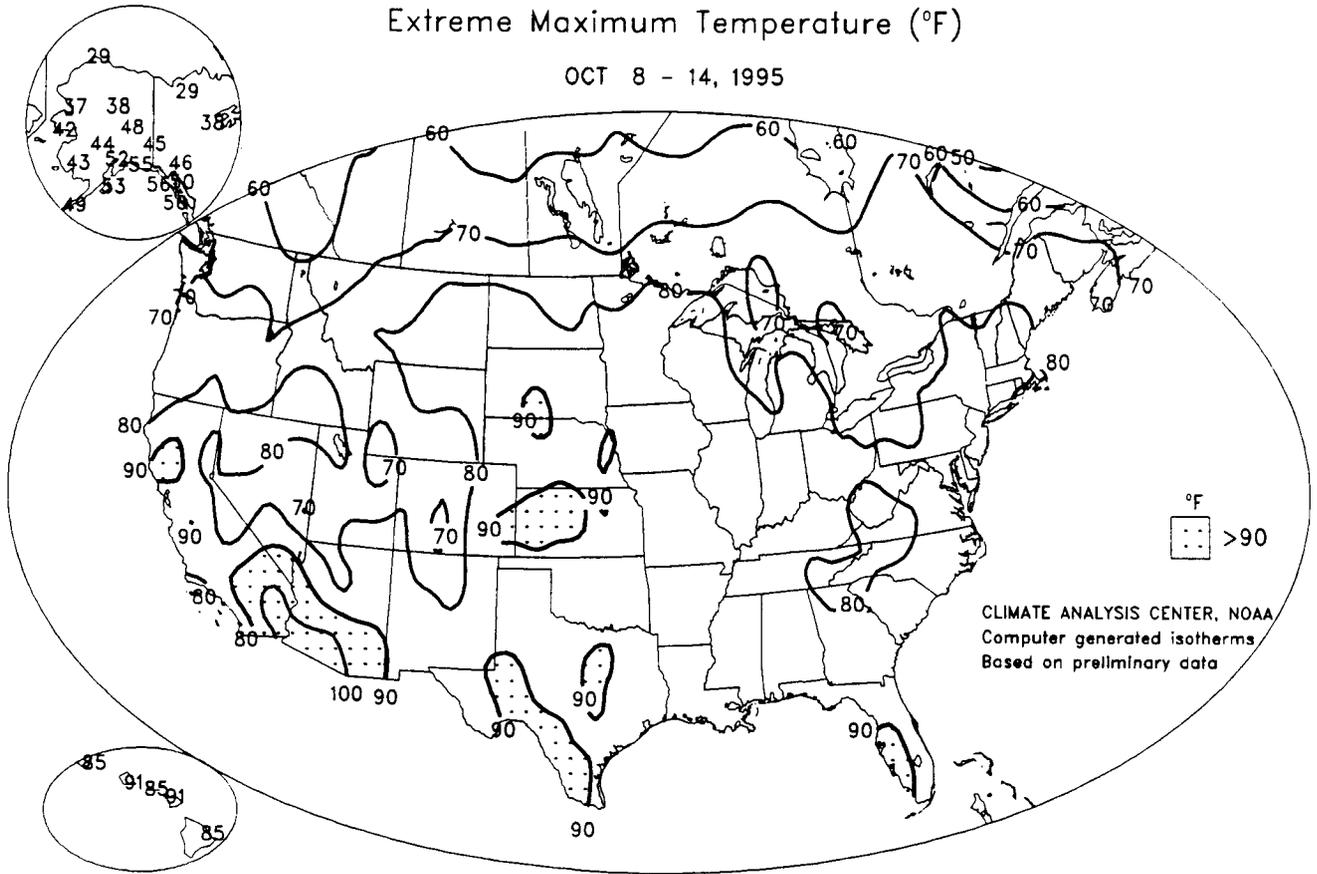


°F
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CLIMATE ANALYSIS CENTER, NOAA
Computer generated contours
Based on preliminary data

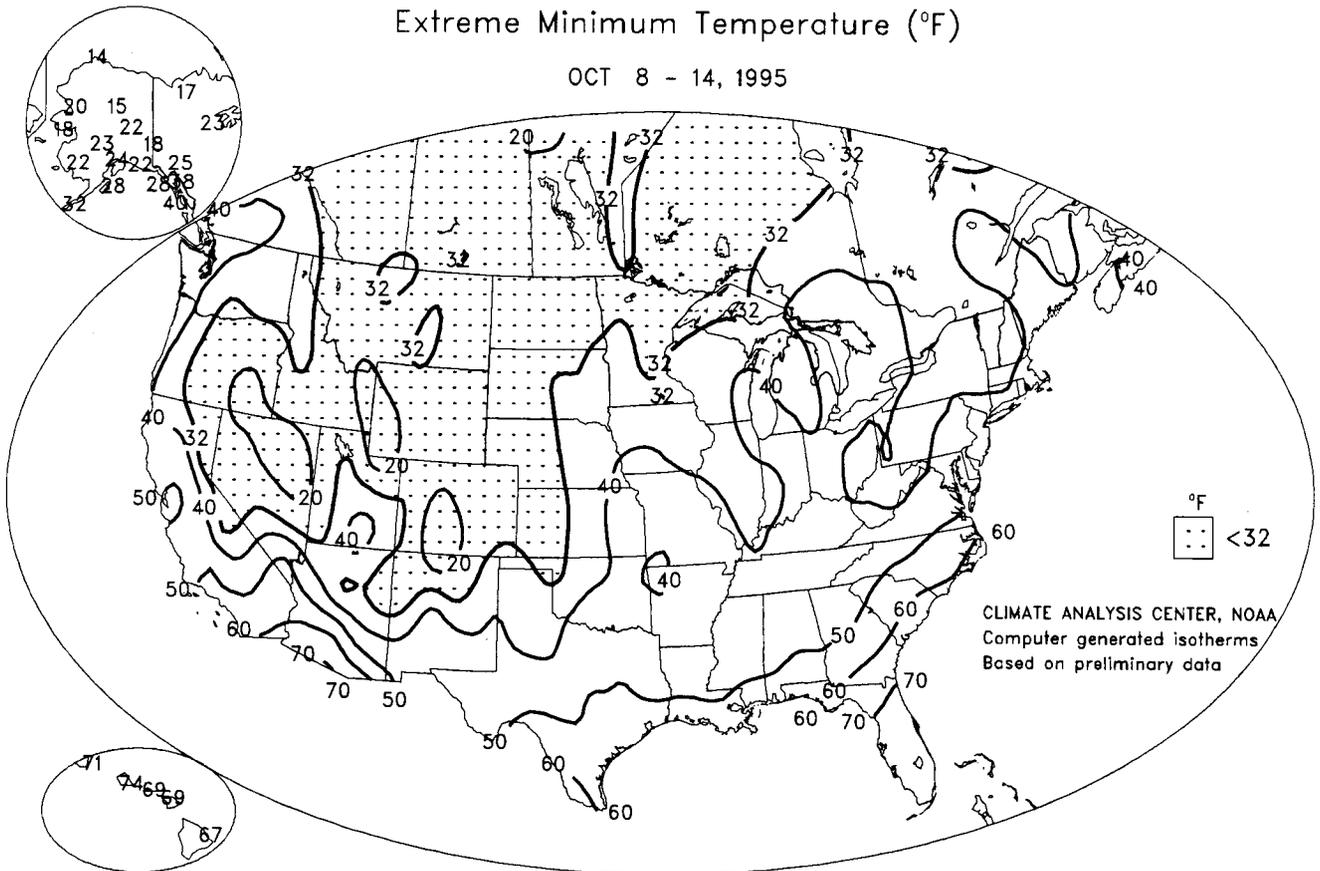
Extreme Maximum Temperature (°F)

OCT 8 - 14, 1995



Extreme Minimum Temperature (°F)

OCT 8 - 14, 1995



National Weather Data for Selected Cities

Weather Data for the Week Ending October 14, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT			NUMBER OF DAYS						
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE 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	
																			OR MORE	OR MORE		
AL BIRMINGHAM	78	55	83	45	67	3	.2	-.4	.2	16.5	318	40.8	94	92	54	0	0	0	0	0	0	0
MOBILE	82	62	86	53	72	2	.2	-.7	.2	9.1	124	62.6	118	90	55	0	0	0	0	0	0	0
MONTGOMERY	81	59	85	49	70	4	.3	-.4	.3	7.0	141	33.7	76	93	53	0	0	0	0	1	0	0
AK ANCHORAGE	44	34	52	24	39	2	.3	-.2	.2	3.2	86	12.9	102	94	66	0	0	0	0	0	0	0
BARROW	25	20	29	14	22	6	.6	-.1	.6	1.4	27	2.9	77	86	70	0	0	0	0	0	0	0
FAIRBANKS	40	28	48	22	34	5	.1	-.1	.1	1.4	108	8.4	96	90	58	0	0	0	0	0	0	0
JUNEAU	48	43	50	38	45	1	1.1	-.8	.3	7.9	76	...	...	100	87	0	0	0	0	0	0	0
KODIAK	50	34	53	28	42	0	.4	-.3	.5	20.9	203	72.8	143	92	53	0	0	0	0	0	0	0
NOME	37	27	42	18	32	2	.9	-.6	.4	2.8	90	12.7	102	92	76	0	0	0	0	0	0	0
AZ PHOENIX	97	65	100	62	81	4	.0	-.2	.0	1.1	90	7.7	134	63	12	7	7	0	0	0	0	0
PRESCOTT	81	45	85	40	63	6	.0	-.3	.0	1.0	39	11.2	71	53	14	0	0	0	0	0	0	0
TUCSON	93	60	97	56	77	4	.0	-.3	.0	2.3	103	9.8	100	63	13	6	6	0	0	0	0	0
YUMA	98	70	101	66	84	6	.0	-.1	.0	.2	43	3.2	136	62	15	0	0	0	0	0	0	0
AR FORT SMITH	82	52	86	44	67	3	.0	-.8	.0	5.3	110	32.7	103	94	35	0	0	0	0	0	0	0
LITTLE ROCK	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
CA BAKERSFIELD	86	56	95	54	71	1	.0	-.1	.0	.0	0	7.9	187	41	13	1	0	0	0	0	0	0
BUREKA	65	46	76	42	56	1	.1	-.1	.1	1.2	73	37.5	162	94	49	0	0	0	0	0	1	1
FRESNO	84	53	89	51	69	2	.2	-.1	.5	.0	0	15.2	206	77	14	0	0	0	0	0	0	0
LOS ANGELES	72	62	75	60	67	0	.0	-.0	.0	.0	0	21.0	253	91	66	0	0	0	0	0	0	0
REDDING	83	50	92	44	67	1	.1	-.4	.0	.0	0	46.6	222	63	20	1	0	0	0	0	0	0
SACRAMENTO	85	53	89	50	69	3	.3	-.0	.0	.0	0	23.8	207	84	43	0	0	0	0	0	0	0
SAN DIEGO	73	63	73	61	68	1	.1	-.1	.0	.0	0	15.9	240	87	68	0	0	0	0	0	0	0
SAN FRANCISCO	73	52	81	49	62	0	.0	-.2	.0	.0	0	21.0	164	88	45	0	0	0	0	0	0	0
CO DENVER	71	40	82	32	56	0	.0	-.2	.0	2.3	136	15.0	112	56	14	0	0	2	0	0	0	0
GRAND JUNCTION	74	42	82	34	58	0	.0	-.2	.0	.8	47	9.3	115	61	12	0	0	0	0	0	0	0
PURDLO	76	31	87	22	54	0	.0	-.3	.0	1.4	117	15.3	152	66	14	0	0	4	0	0	0	0
CT BRIDGEPORT	74	52	80	46	63	0	.1	-.1	.0	4.9	111	22.8	70	93	51	0	0	0	0	1	1	1
HARTFORD	75	45	85	38	60	6	2.0	1.2	2.0	7.9	147	29.6	86	95	46	0	0	0	0	0	0	0
DC WASHINGTON	76	55	80	51	65	4	3.4	2.7	3.4	9.3	197	29.7	97	93	55	0	0	0	0	0	0	0
FL PANAMA CITY	81	66	86	61	73	3	.4	-.4	.2	1.6	22	38.0	70	93	68	0	0	0	0	0	1	1
DAYTONA BEACH	85	74	87	72	79	3	1.4	-.4	.5	16.7	198	47.5	117	97	73	0	0	0	0	0	5	1
JACKSONVILLE	82	70	88	67	76	2	2.7	1.7	1.4	8.6	95	44.5	105	96	74	0	0	0	0	0	4	2
KEY WEST	87	79	90	76	83	2	1.8	-.7	.5	8.2	102	30.8	95	89	72	1	0	0	0	0	5	1
MIAMI	87	77	89	75	82	3	2.9	1.5	2.0	14.9	142	70.7	145	88	69	0	0	0	0	0	6	2
ORLANDO	88	74	90	73	81	5	2.1	1.5	1.1	7.2	98	40.2	94	99	65	2	0	0	0	4	2	2
TALLAHASSEE	82	67	86	62	74	4	2.3	1.7	1.1	7.4	105	45.1	81	93	70	0	0	0	0	3	3	3
TAMPA	89	75	90	74	82	6	.6	-.1	.3	5.7	80	50.1	128	95	64	1	0	0	0	4	0	0
WEST PALM BEACH	88	77	89	74	82	3	2.5	-.6	2.0	10.9	100	53.2	108	87	66	0	0	0	0	4	1	1
GA ATLANTA	75	56	80	49	66	2	.9	-.2	.9	8.5	179	36.8	90	92	67	0	0	0	0	2	1	1
AUGUSTA	81	61	85	51	71	6	.5	-.1	.5	9.3	214	39.5	106	93	59	0	0	0	0	2	1	1
MACON	81	60	83	48	70	4	1.1	-.6	1.0	4.4	115	33.5	92	97	62	0	0	0	0	3	1	1
SAVANNAH	82	69	88	65	76	7	1.9	1.4	1.9	6.2	109	47.6	111	93	69	0	0	0	0	3	1	1
HI HILO	90	76	91	74	83	3	2.3	-.3	.8	7.6	61	68.0	70	93	69	0	0	0	0	5	2	2
HONOLULU	88	72	91	69	80	2	.1	-.4	.1	.4	26	10.8	78	72	47	5	0	0	0	1	0	0
KAHULUI	90	72	91	69	80	2	.0	-.2	.0	.2	21	9.7	68	76	51	2	0	0	0	0	0	0
LIHUE	84	75	85	71	80	2	.2	-.7	.2	2.4	59	18.5	62	78	66	0	0	0	0	1	0	0
ID BOISE	69	39	82	31	54	1	.1	-.1	.1	.5	43	9.5	108	76	22	0	1	2	0	2	0	0
LEWISTON	61	44	68	38	53	2	.9	-.7	.8	2.5	205	13.7	142	91	46	0	0	0	0	2	1	1
POCATELLO	67	33	80	22	50	0	.0	-.2	.0	.6	51	12.7	136	68	19	0	3	0	0	0	0	0
IL CHICAGO	72	47	83	42	60	5	.2	-.3	.1	2.5	51	25.9	89	87	44	0	0	0	0	2	0	0
MOLINE	73	44	83	35	58	3	.0	-.7	.0	2.3	42	29.2	89	85	42	0	0	0	0	0	0	0
PEORIA	74	45	83	37	60	4	.1	-.5	.1	1.8	34	28.1	94	93	41	0	0	0	0	1	0	0
QUINCY	73	48	81	42	61	3	.1	-.7	.1	2.1	33	29.3	89	75	34	0	0	0	0	1	0	0
ROCKFORD	72	43	84	38	58	4	.1	-.6	.1	3.6	69	27.3	91	95	42	0	0	0	0	1	0	0
SPRINGFIELD	76	45	86	35	61	3	.2	-.4	.2	.9	20	26.8	94	83	37	0	0	0	0	1	0	0
IN EVANSVILLE	80	49	86	43	64	3	.0	-.6	.0	1.3	29	39.7	110	92	41	0	0	0	0	1	0	0
FORT WAYNE	75	45	83	41	60	5	.0	-.5	.0	1.6	42	26.1	94	93	41	0	0	0	0	1	0	0
INDIANAPOLIS	75	46	82	39	61	4	.0	-.6	.0	2.1	52	28.9	91	91	41	0	0	0	0	1	0	0
SOUTH BEND	73	47	83	42	60	6	.1	-.6	.1	1.3	27	32.7	106	87	42	0	0	0	0	1	0	0
IA DES MOINES	72	47	85	41	60	5	.0	-.6	.0	3.4	64	28.4	96	81	40	0	0	0	0	1	0	0
SIOUX CITY	73	42	91	34	57	3	.0	-.5	.0	5.0	129	22.6	98	87	42	1	0	0	0	1	0	0
WATERLOO	71	42	86	32	57	4	.0	-.6	.0	3.6	75	26.5	91	87	41	0	1	1	0	0	0	0
KS CONCORDIA	77	47	89	35	62	4	.0	-.5	.0	2.4	60	24.7	96	81	28	0	0	0	0	0	0	0
DODGE CITY	79	43	90	31	61	1	.0	-.3	.0	1.4	53	18.8	97	81	23	1	1	0	0	0	0	0
GOODLAND	75	38	90	27	57	2	.0	-.2	.0	1.5	75	18.9	114	71	21	1	3	0	0	0	0	0
TOPEKA	78	47	88	42	63	4	.0	-.7	.0	2.9	55	35.0	115	85	28	0	0	0	0	0	0	0
WICHITA	79	50	88	37	64	3	.0	-.7	.0	2.3	44	33.8	113	80	34	0	0	0	0	0	0	0
KY BOWLING GREEN	75	48	83	41	62	2	.2	-.5	.1	7.8	154	32.9	83	97	48	0	0	0	0	2	0	0
LEXINGTON	74	47	81	43	60	2	.4	-.2	.4	6.1	140	43.8	123	94	46	0	0	0	0	2	0	0
LOUISVILLE	76	49	83	45	63	3	.0	-.6	.0	4.6	107	33.0	93	94	45	0	0	0	0	0	0	0
LA BATON ROUGE	83	59	89	50	71	1	.6	-.2	.4	4.9	75	59.7	121	91	46	0	0	0	0	2	0	0
LAKE CHARLES	83	62	88	53	72	2	.0	-.9	.0	7.2	94	51.3	118	97	46	0	0	0	0	2	0	0
NEW ORLEANS	83	63	88	50	73	2	.0	-.7	.0	1.7	25	55.8	111</									

Weather Data for the Week Ending October 14, 1995

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	74	46	83	40	60	7	.5	-.5	.5	4.2	110	26.8	103	93	42	0	0	0	0
YOUNGSTOWN	70	43	79	35	56	3	.9	-.3	.9	3.3	70	24.0	80	93	45	0	0	1	1
OK OKLAHOMA CITY	80	52	86	41	66	2	.0	-.8	.0	7.6	139	30.4	107	88	45	0	0	0	0
TULSA	81	53	85	44	67	3	.0	-.9	.0	5.6	86	39.5	118	87	39	0	0	0	0
OR ASTORIA	63	47	68	42	55	1	3.1	2.0	1.8	6.0	119	44.0	104	97	69	0	0	5	5
BURNS	63	23	75	19	44	-3	.5	-.1	.5	.1	10	9.9	137	84	28	0	0	0	2
MEDFORD	73	41	83	35	57	0	.1	-.2	.1	.3	18	14.5	128	88	28	0	6	1	1
PENDLETON	66	42	76	34	54	0	.3	.1	.2	1.4	158	13.0	156	85	37	0	0	2	0
PORTLAND	65	49	75	43	57	1	1.4	.9	.9	3.1	115	25.5	110	91	46	0	0	2	0
SALEM	65	46	71	38	55	1	2.1	1.6	1.1	4.4	170	30.6	127	99	61	0	0	3	3
PA ALLENTOWN	74	46	82	41	60	5	.8	-.2	.8	6.2	118	28.4	82	94	44	0	0	1	2
ERIE	69	50	78	45	60	5	.4	-.4	.4	4.7	77	25.0	78	86	44	0	0	1	1
HARRISBURG	76	51	83	43	63	7	1.0	.4	1.0	3.9	83	25.7	80	96	47	0	0	1	0
PHILADELPHIA	76	55	82	50	65	9	1.1	.3	1.1	6.4	114	22.9	63	98	55	0	0	1	1
PITTSBURGH	74	46	81	42	60	6	1.0	.5	1.0	4.3	105	23.8	85	90	58	0	0	1	1
SCRANTON	72	47	81	39	59	6	1.0	.4	1.0	3.8	83	18.9	65	95	47	0	0	1	1
RI PROVIDENCE	73	49	81	45	61	6	.4	-.5	.4	7.5	147	28.4	82	95	50	0	0	1	1
SC CHARLESTON	82	68	86	65	75	7	1.3	.6	.6	9.9	161	45.0	101	95	68	0	0	2	0
COLUMBIA	81	63	87	53	72	7	.4	-.3	.3	7.2	143	48.1	115	91	53	0	0	5	1
FLORENCE	81	66	86	59	74	8	2.0	1.4	1.5	7.3	159	38.5	105	95	62	0	0	2	2
SD GREENVILLE	74	56	80	52	65	3	1.7	.8	1.5	7.1	123	51.9	126	91	60	0	0	3	2
ABERDEEN	65	40	80	32	53	3	.1	-.3	.0	3.7	139	22.2	116	92	50	0	2	1	0
KURON	67	40	81	32	53	2	.1	-.3	.1	4.0	161	27.8	153	76	26	0	1	0	0
RAPID CITY	71	36	89	29	54	3	.0	-.3	.0	2.0	112	17.8	118	90	50	0	1	3	0
SIoux FALLS	69	44	85	35	57	6	.7	-.3	.7	3.0	76	28.4	134	88	50	0	0	0	0
TN CHATTANOOGA	75	52	79	47	64	2	.2	-.5	.2	11.2	200	45.2	108	98	55	0	0	1	1
KNOXVILLE	74	51	80	46	62	2	.2	-.4	.2	4.2	99	32.4	87	96	55	0	0	2	0
MEMPHIS	81	55	86	47	68	3	.5	-.6	.5	.9	40.1	101	85	37	0	0	0	0	0
NASHVILLE	76	50	82	44	63	1	.1	-.5	.1	8.8	190	40.8	110	97	50	0	0	2	0
TX ABILENE	85	56	89	40	71	3	.0	-.6	.0	3.2	71	22.4	108	68	27	0	0	0	0
AMARILLO	77	46	85	37	61	1	.0	-.3	.0	3.0	113	17.5	99	76	28	0	0	0	0
AUSTIN	86	61	89	52	73	0	.0	-.8	.0	2.8	57	28.7	111	81	34	0	0	0	0
BEAUMONT	81	60	86	51	70	-1	.5	-.1	.5	5.5	66	45.2	100	96	49	0	0	0	0
BROWNSVILLE	82	64	87	59	73	-4	4.9	4.2	3.5	7.2	95	23.5	103	93	49	0	0	2	2
CORPUS CHRISTI	84	63	89	57	73	-2	.1	-.6	.1	4.3	60	23.5	91	89	45	0	0	2	0
DEL RIO	87	59	90	57	73	2	.0	-.7	.0	4.0	94	12.3	95	77	34	1	0	0	0
EL PASO	84	53	86	47	69	2	.5	-.2	.5	3.2	149	7.6	100	47	17	0	0	0	0
FORT WORTH	85	57	90	49	71	4	.0	-.1	.0	1.7	25	32.1	104	82	35	1	0	0	0
GALVESTON	79	70	84	65	74	0	.1	-.6	.1	3.3	44	28.0	82	83	56	0	0	1	0
HOUSTON	83	59	88	51	71	0	.1	-.1	.1	5.1	66	35.8	86	92	49	0	0	0	0
LUBBOCK	81	48	86	37	65	2	.0	-.5	.0	8.7	242	18.5	112	81	25	0	0	0	0
MIDLAND	87	53	91	43	70	4	.5	-.4	.5	2.0	45	10.6	79	68	17	2	0	0	0
SAN ANGELO	86	53	89	44	69	1	.0	-.6	.0	3.3	70	18.5	106	76	32	0	0	0	0
SAN ANTONIO	86	56	89	50	71	-1	.0	-.7	.0	4.5	91	20.6	82	87	36	0	0	0	0
VICTORIA	84	58	89	50	71	-2	.1	-.1	.1	5.1	59	26.6	73	93	40	0	0	1	0
WACO	86	53	89	45	69	-1	.0	-.8	.0	3.9	75	33.7	130	91	37	0	0	0	0
WICHITA FALLS	85	52	89	42	68	2	.0	-.8	.0	4.4	76	24.3	90	84	33	0	0	0	0
UT CEDAR CITY	75	37	79	29	56	2	.0	-.2	.0	.8	53	11.1	121	46	13	0	2	0	0
SALT LAKE CITY	70	40	83	33	55	0	.0	-.3	.0	1.8	92	14.8	116	66	19	0	0	0	0
VT BURLINGTON	70	47	81	39	59	9	1.2	.6	1.2	6.0	130	23.5	86	91	48	0	0	1	1
VA NORFOLK	76	61	85	52	69	6	1.0	.3	1.0	7.7	143	28.9	78	86	55	0	0	3	1
RICHMOND	77	51	83	48	64	4	.9	-.1	.9	6.5	131	27.4	79	93	16	0	0	1	1
ROANOKE	74	48	79	44	61	3	.3	-.6	.2	4.7	89	33.9	103	94	50	0	0	2	0
WA QUILLAYUTE	59	47	64	39	53	1	5.1	2.9	2.5	8.2	92	62.5	91	99	75	0	0	7	4
SEATTLE-TACOMA	61	49	69	46	55	1	1.9	1.3	.9	3.4	110	24.4	104	93	65	0	0	4	2
SPOKANE	57	40	66	34	48	-1	.7	.5	.6	3.2	306	17.6	156	95	59	0	0	2	1
YAKIMA	66	38	72	30	52	0	.0	.0	.0	.8	154	6.8	130	91	36	0	2	1	0
WV BECKLEY	70	46	73	40	58	4	1.2	.6	.7	5.0	107	33.5	101	90	52	0	0	2	2
CHARLESTON	74	46	79	42	60	2	.9	.3	.8	4.8	106	39.0	115	99	49	0	0	2	1
HUNTINGTON	74	46	79	42	60	4	.9	.3	.6	5.8	128	36.3	105	99	50	0	0	2	1
PARKERSBURG	74	47	80	44	60	3	1.3	.7	.6	4.9	117	..	..	100	46	0	0	2	2
WI GREEN BAY	68	47	80	42	58	7	.1	-.5	.1	5.3	116	23.6	98	88	53	0	0	2	0
LACROSSE	70	47	86	41	59	6	.5	-.5	.5	2.2	45	26.7	101	90	47	0	0	0	0
MADISON	70	43	83	37	56	4	.1	-.5	.1	3.8	76	27.4	101	86	46	0	0	1	0
MILWAUKEE	71	50	83	46	60	8	.1	-.5	.1	3.7	81	24.4	91	85	43	0	0	1	0
WAUSAU	65	45	82	37	55	6	.1	-.5	.1	5.4	96	30.6	109	93	51	0	0	2	0
WY CASPER	67	35	79	28	51	3	.4	-.2	.4	3.1	220	17.4	165	68	21	0	3	1	0
CHEYENNE	67	36	76	30	51	2	.5	-.2	.5	3.6	219	19.0	145	71	18	0	2	0	0
LANDER	66	34	79	27	50	1	.0	-.3	.0	1.9	116	17.0	153	62	19	0	3	0	0
SHERIDAN	68	35	86	29	52	3	.1	-.2	.1	2.6	132	14.9	121	73	28	0	3	1	0
PR SAN JUAN	88	76	89	76	82	0	2.0	.7	1.0	10.6	135	46.1	120	92	67	0	0	5	1

Based on 1961-90 normals.

September Weather in Historical Perspective

Paced by near-record dryness in the Central region, the Nation logged its 13th driest September since 1895 (table 1). The Nation's preliminary average precipitation of 1.92 inches was 73 percent of normal, and the lowest since 1984 (fig. 1). Regionally, rainfall was 45 percent of normal in the Central region and 65 percent of normal in the Northeast. The portion of the Nation beset by severe to extreme drought rose slightly to 4.7 percent by month's end (fig. 2).

September warmth in the West was offset by cool weather in the Central and Eastern States, leaving the Nation's average temperature at 64.9°F, the 44th lowest value on record (fig. 3). Broken down by State, Maine (seventh coolest September) and Washington (seventh warmest) represented the respective temperature-rank extremes (fig. 4).

--Brad Rippey

Table 1. Temperature/Precipitation Rankings for September 1995
Based on the Period 1895-1995
1 = Driest/Colest, 101 = Wettest/Hottest

Region	Precipitation	Temperature
Northeast	18	19
East North Central	31	21
Central	7	17
Southeast	32	38
West North Central	41	50
South	42	30
Southwest	54	65
Northwest	52	89
West	9	84
National	13	44

Figure 3

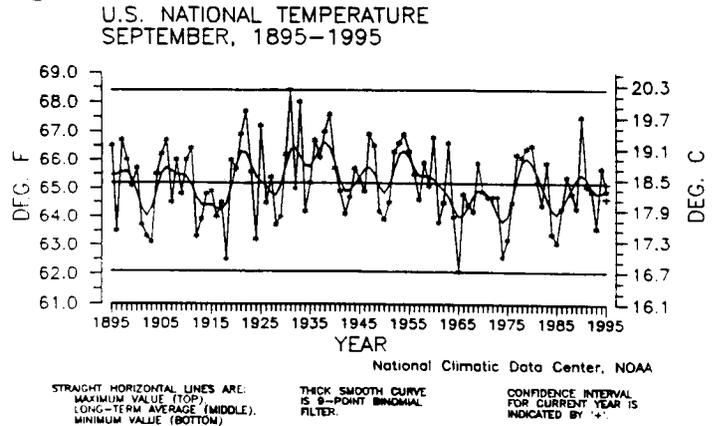


Figure 4

SEPTEMBER 1995 STATEWIDE RANKS

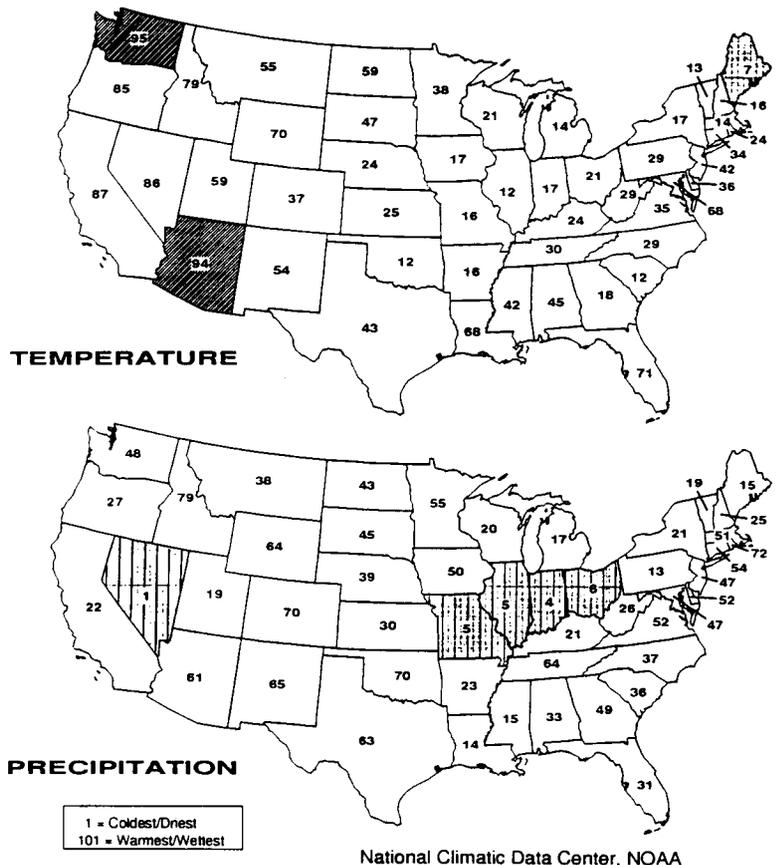


Figure 1

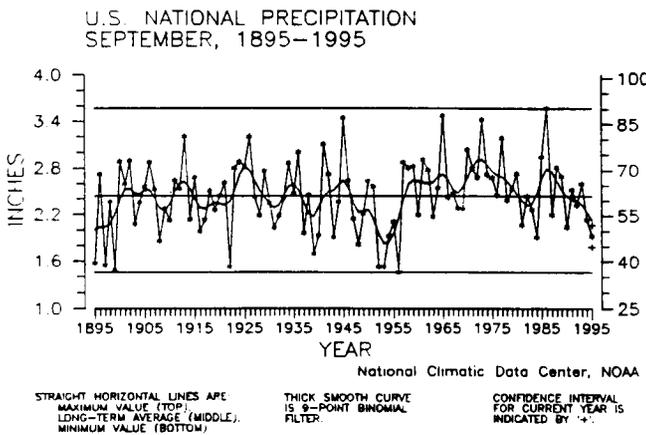
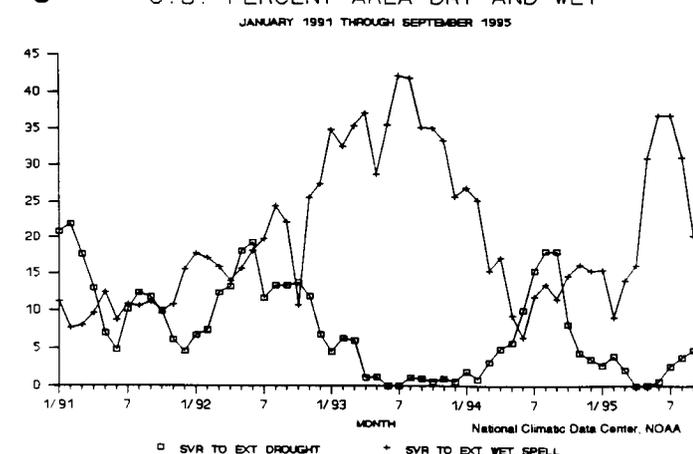


Figure 2



Temperature and Precipitation Ranks for the contiguous United States. Each state is ranked based on its data from 1895-1995. States having a rank of top ten coldest or driest (rank 1-10) or top ten warmest or wettest (rank 92-101) are shaded.

National Agricultural Summary

HIGHLIGHTS for October 9 - 15, 1995

Above-normal temperatures and dry conditions across the Nation for much of the week allowed row crops to dry down and producers to make good progress with the fall harvest. By the end of the week, a cold front brought cooler, more seasonal temperatures across the Nation. The cold front and the remains of Hurricane

Opal brought rains to the eastern seaboard and Gulf Coast. The rains along the Gulf Coast caused some damage to the cotton crop and delayed the harvest of fall crops. Along the eastern seaboard, the rains also slowed harvests, but the moisture was welcomed for the fall planted crops.

The **winter wheat** crop reached 75 percent (%) planted, 2 percentage points less than last year and the 5-year average. Although the warm, dry conditions allowed good planting progress to be made from Kansas to Ohio, it was at least 5 points behind the average in the southern Great Plains. Winter wheat emerged, at 44%, was 4 points behind last year and 8 points behind the average. This week's rains across the gulf coast and the Southeast delayed plantings but provided needed moisture to previously planted wheat fields.

Corn harvesting in the 17 major States reached 41%, 16 points greater than last week, and 4 points ahead of last year and the average. The warm, dry conditions allowed good progress to be made, especially in the central Corn Belt. In Indiana, harvest was 2 weeks ahead of average. Harvest progress was ahead of last year and average in all of the major States except South Dakota, Nebraska, Colorado, Iowa, Missouri, Kansas, and Texas.

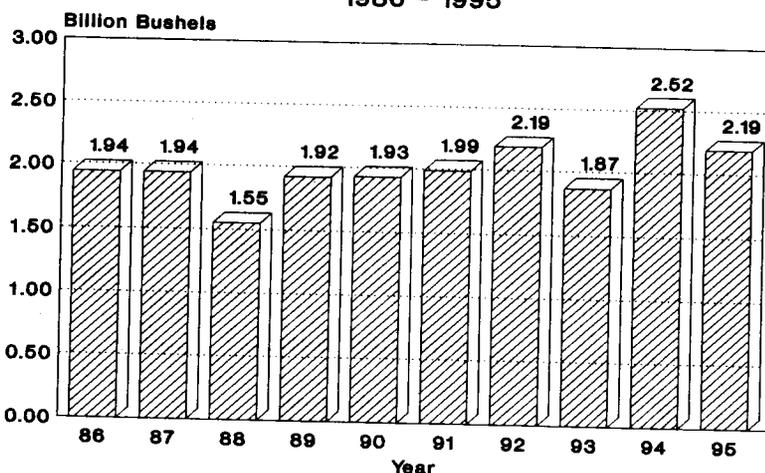
Cotton bolls opening, at 83%, was 1 point behind the average and 6 points less than last year. Cotton harvested, at 40%, was 2 points ahead of the average and 1 point ahead of last year. Bolls opening and harvest progress were well behind last year and the average in Oklahoma. Harvest progress lagged last year in Arizona, New Mexico, California, the Carolinas, Missouri, and Tennessee. In Texas, harvest was increasing in the plains.

Sorghum maturity in the 12 major States reached 87%, 1 point behind the average. Maturity was behind the average in New Mexico, Oklahoma, Colorado, and the central Mississippi Valley. Sorghum harvest reached 48% complete, 4 points behind average. Progress in Texas and the central and lower Mississippi Valley was ahead of the average. Progress in the central and northern Great Plains was at least 10 points behind the average. In Texas, harvest continued at a good pace in the plains, and neared completion in the Blacklands.

Rice harvest in the five major producing States reached 88%, just 1 point ahead of the average. Progress in the Delta was ahead of the average. In California, harvest was in full swing but progress was 23 points behind the average.

Soybean harvesting in the 19 major producing States reached 54%, up 23 points from last week but 7 points behind last year and only 1 point behind the average. Producers in Nebraska and Iowa used the excellent harvesting conditions to harvest soybean fields instead of corn fields. Soybean harvest advanced 37 points in Iowa and 29 points in Nebraska. In Indiana, harvest was nearly 2 weeks ahead of the average.

U.S. Soybean Production 1986 - 1995



Crop Progress and Condition

Week Ending October 15, 1995

Winter Wheat Percent Planted				
	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
AR	16	6	27	20
CA	2	1	1	2
CO	95	82	99	98
GA	6	5	5	6
ID	65	54	71	80
IL	59	18	64	52
IN	65	35	66	57
KS	90	63	88	89
MI	84	65	72	71
MO	44	23	45	37
MT	92	83	55	82
NE	99	95	100	100
NC	25	12	34	20
OH	83	51	70	58
OK	65	40	85	82
OR	65	53	41	64
SD	96	94	100	99
TX	61	52	67	70
WA	89	78	82	88
ALL	75	57	77	77

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

Soybeans Percent Harvested				
	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
AL	13	10	10	20
AR	25	9	30	20
GA	4	4	9	10
IL	81	58	80	69
IN	85	60	77	62
IA	67	30	78	73
KS	35	8	58	54
KY	30	15	20	17
LA	66	41	45	42
MI	61	42	41	34
MN	45	17	62	69
MS	61	46	46	31
MO	28	10	43	38
NE	47	18	79	81
NC	6	4	7	7
OH	66	44	75	57
SC	2	1	1	3
SD	27	13	66	68
TN	17	5	16	14
ALL	54	31	61	55

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

Cotton Percent Bolls Opening				
	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
AL	94	89	79	88
AZ	100	100	100	99
AR	97	96	92	93
CA	99	98	100	100
GA	91	90	84	87
LA	100	100	100	100
MS	100	100	100	98
MO	91	88	96	93
NM	95	*81	95	94
NC	100	96	100	98
OK	35	23	96	73
SC	88	83	87	94
TN	100	98	100	98
TX	67	65	79	69
ALL	83	81	89	84

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

Winter Wheat Percent Emerged				
	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
AR	4	1	13	8
CA	0	0	0	0
CO	76	54	85	84
GA	3	2	3	3
ID	38	24	32	44
IL	12	2	22	17
IN	22	5	27	23
KS	50	23	63	62
MI	60	23	44	45
MO	15	6	23	17
MT	50	35	31	50
NE	89	73	95	91
NC	0	0	5	7
OH	34	8	24	21
OK	22	14	25	45
OR	28	19	13	32
SD	83	72	90	89
TX	39	30	49	48
WA	70	55	55	68
ALL	44	28	48	52

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

Corn Percent Harvested				
	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
CO	11	1	53	24
GA	97	97	95	96
IL	59	36	39	39
IN	56	35	23	31
IA	30	15	38	31
KS	45	26	83	73
KY	84	69	61	61
MI	30	20	15	17
MN	40	18	21	24
MO	45	35	61	56
NE	14	7	43	38
NC	90	85	83	83
OH	27	16	14	23
PA	43	27	14	15
SD	20	7	26	34
TX	89	84	94	94
WI	35	23	17	16
ALL	41	25	37	37

These 17 States produced 93% of the 1994 corn crop.

Cotton Percent Harvested				
	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
AL	53	38	22	47
AZ	25	15	46	42
AR	51	29	51	45
CA	10	4	19	23
GA	47	29	10	33
LA	82	63	63	70
MS	77	63	48	54
MO	41	27	54	50
NM	6	1	9	9
NC	24	19	32	31
OK	0	0	46	16
SC	27	17	22	34
TN	40	20	46	46
TX	33	28	40	32
ALL	40	30	39	38

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

Crop Progress and Condition

Week Ending October 15, 1995

Sorghum Percent Mature

	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
AR	99	98	100	99
CO	69	50	85	75
IL	69	64	96	88
KS	85	65	100	85
LA	100	100	100	100
MS	100	100	100	100
MO	85	65	94	87
NE	98	94	100	93
NM	6	5	69	75
OK	41	20	35	62
SD	94	88	99	90
TX	94	92	90	91
ALL	87	76	93	88

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

Sorghum Percent Harvested

	Oct 15 1995	Prev Week	Prev Year	5-Yr Avg
AR	95	90	96	89
CO	10	5	33	27
IL	24	10	46	36
KS	28	8	68	39
LA	98	97	95	96
MS	100	98	98	93
MO	54	49	54	48
NE	26	8	51	40
NM	0	0	13	14
OK	13	6	20	17
SD	25	3	38	47
TX	84	80	82	77
ALL	48	38	66	52

These 12 States produced 99% of the 1994 sorghum crop.

Cotton Crop Condition by Percent

	VP	P	F	G	EX
AL	16	49	34	1	0
AZ	10	22	31	22	15
AR	1	18	52	28	1
CA	0	0	35	65	0
GA	0	4	60	36	0
LA	6	40	39	15	0
MS	15	20	45	16	4
MO	9	13	45	31	2
NM	0	15	25	50	10
NC	7	23	33	35	2
OK	2	16	41	39	2
SC	0	11	64	25	0
TN	0	9	44	43	4
TX	3	18	45	28	6
ALL	4	18	44	30	4
Prev Wk	5	18	44	30	3
Prev Yr	0	4	39	51	6

Pasture and Range Crop Condition by Percent

State	VP	P	F	G	EX	State	VP	P	F	G	EX
AL	4	12	47	35	2	NH	0	8	45	47	0
AZ	6	24	34	30	6	NJ	0	0	60	40	0
AR	9	36	40	14	1	NM	5	24	46	23	2
CA	0	35	40	25	0	NY	0	0	25	75	0
CO	2	6	31	54	7	NC	0	2	22	70	6
CT	0	20	41	39	0	ND	1	6	30	56	7
DE	4	13	61	22	0	OH	3	17	42	31	7
FL	0	15	25	60	0	OK	1	5	29	62	3
GA	0	6	42	52	0	OR	0	11	12	63	14
ID	0	14	16	64	6	PA	21	24	41	14	0
IL	10	29	41	19	1	RI	0	0	0	100	0
IN	12	41	38	9	0	SC	0	5	18	77	0
IA	8	21	41	28	2	SD	1	5	20	60	14
KS	1	12	38	46	3	TN	2	9	35	47	7
KY	3	9	44	38	6	TX	1	10	44	37	8
LA	3	18	48	29	2	UT	2	8	28	52	10
ME	3	31	23	43	0	VT	0	2	18	80	0
MD	0	9	37	52	2	VA	0	10	51	36	3
MA	0	8	49	43	0	WA	0	21	60	19	0
MI	1	6	30	53	10	WV	3	13	39	44	1
MN	0	5	23	50	22	WI	1	11	30	55	3
MS	8	26	36	27	3	WY	0	0	0	58	42
MO	18	31	31	19	1	ALL	3	14	35	42	6
MT	1	6	26	60	7						
NE	1	11	53	30	5	Prev Wk	3	14	33	43	7
NV	0	0	7	92	1	Prev Yr	NA	NA	NA	NA	NA

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. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at "http://www.usda.gov/nass/".

ALABAMA: Rainfall 0.01 to 0.77 in. north; none to 1.64 in. central; none to 0.50 in. south. Temperatures 1° below normal to 5° above normal statewide. Lows 36 to 44° north, 37 to 48° central; 38 to 52° south. Highs 79 to 83° north, 80 to 86° central; 85 to 87° south.

Days suitable for fieldwork 4.4. Topsoil 4% short, 77% adequate, 19% surplus. Corn harvested 95%, 87% 1994, 89% avg. Sorghum turning color 76%, 83% 1994, 89% avg.; harvested 51%, 49% 1994, 61% avg.; 4% very poor, 22% poor, 51% fair, 23% good. Peanuts dug 86%, 84% 1994, 86% avg.; combined 75%, 77% 1994, 79% avg. Livestock 3% poor, 31% fair, 59% good, 7% excellent. Activities: Harvesting row crops, vegetables. General care of livestock, poultry, catfish. Cleaning debris from Hurricane Opal.

ARIZONA: Temperatures normal to 6° above normal. Extremes 25°; 91° higher elevations; 43°; 106° deserts. No precipitation reported.

Cotton harvest slowly picking up. Alfalfa 4% very poor, 7% poor, 7% fair, 44% good, 38% excellent. Harvest 48% light, 7% moderate, 23% active, 22% between cuttings. Fall vegetable season underway statewide. Cantaloupe, honeydew, watermelon, chili pepper, radish, green onion harvest continued central areas. Tomatoes, cabbage, pumpkins, lettuce, squash, watermelons, chili peppers shipped eastern growers. Cantaloupe, honeydew, watermelon harvest began western areas. Grapefruit, lemon harvest picked up central, western areas. Apple, pecan, pistachio harvest progressed eastern orchards.

ARKANSAS: Temperatures below normal with a small amount of rainfall in the northeast. Extremes 36°; 90°. Precipitation none to 0.02 in.

Days suitable for fieldwork 7. Soil moisture 69% short, 30% adequate, 1% surplus. Main activities: Defoliating picking, ginning cotton, harvesting corn, sorghum, rice, soybeans. Defoliating, picking, ginning cotton were reported by numerous counties. Cotton ginning continued. Corn, sorghum, rice harvests were winding down statewide. Soybeans harvest was progressing across the State. Preparation, planting of wheat, fall pastures were ongoing. Apple harvest continued in Faulkner county. Lime application to tomato fields continued in Bradley county. Hay feeding was ongoing.

CALIFORNIA: During week, series weather systems continued moving across northern areas. Most significant system, new season moved through 11th. Rain fell, extreme northern areas; temperatures near normal.

Field activities, good progress under clear skies, most areas. Rice harvest, full swing; followed by straw baling, stubble burning, conditions permitting. Cotton defoliation active, San Joaquin Valley; harvest activity slowly increasing. Some fields received second defoliation. Desert area harvest, winding down. Corn for grain, silage harvested. Dry beans, safflower, sugarbeets harvested. Ongoing ground preparation, pre-irrigation, fall-seeded small grains, winter forages, new alfalfa. Seeding, wheat, barley, oats, forage mixes gained momentum,

central San Joaquin Valley. Established alfalfa cut, baled. Table, wine, juice grape harvests continued, San Joaquin Valley. Nearly all raisin crop harvested. Approximately two percent, raisin vineyards rolled trays remaining; 98% trays picked up. Walnut, almond, pistachio harvests continued; almond harvest nearing completion. Medjool date harvest continued, Imperial County. Pomegranate, persimmon, Asian pear harvests continued, San Joaquin Valley. Harvest olives continued. Approximately eighty percent apples harvested, Sonoma County. Fuji, Granny Smith apple harvests continued, San Joaquin Valley. Lemon, grapefruit, Valencia orange harvests continued. New crop Navel oranges treated, red scale. Broccoli, cauliflower, lettuce harvests continued, Salinas-Watsonville area. Both fresh, processing tomatoes harvested. Celery picked, some areas. Cantaloupe harvest neared completion, Fresno area. Bell pepper, sweet potato harvests continued. Melons, pumpkins harvested, central valley. Good prices received, pumpkin crop. Fall melons, Imperial valley, setting fruit; some harvesting expected next week. Adequate containment, White Fly, reported. Aphid, mites, worms sprayed, several different vegetable crops. Parsley, radishes, yams, green beans harvested, southern San Joaquin valley. Spinach planted, some locations. Other crops harvested: Sweet corn, chili peppers, zucchini, squash, eggplant, cucumbers, okra, sugar peas. Dry, fire hazardous range, pasture conditions reported, several areas. Ranchers irrigated pastures, provided light supplemental feeding. Calving, lambing active. Sheep moved, alfalfa fields, some areas. Cattle removed grazing land; placed, feedlots.

COLORADO: High pressure dominated the State all week except the 12th when a cold front passed through. This front occurred predominantly along the Front Range, mountains, near the west Slope. It brought small amounts of precipitation, some strong, gusty winds. Temperatures for the week were below normal on the 9th to 13th, above normal the rest of the week.

Days suitable for fieldwork 6.6. Topsoil 10% very short 44% short, 45% adequate, 1% surplus. Subsoil 11% very short, 23% short 65% adequate 1% surplus. Spring wheat 98% harvested, 99% 1994, 98% avg. Winter wheat 3% very poor, 6% poor, 22% fair, 56% good, 13% excellent. Oats 98% harvested, 99% 1994, 100% avg. Corn 84% mature, 99% 1994, 92% avg.; 94% silage harvested, 100% 1994, 99% avg.; 3% very poor, 13% poor, 42% fair, 37% good, 5% excellent. Sorghum 96% turning color, 98% 1994, 96% avg.; 10% poor, 40% fair, 47% good, 3% excellent. Dry onions 94% harvested, 97% 1994, 98% avg. Sugar beets 24% harvested, 45% 1994, 30% avg.; 1% very poor, 6% poor, 24% fair, 60% good, 9% excellent. Fall potatoes 95% harvested, 99% 1994, 91% avg. Dry beans 92% cut, 99% 1994, 98% avg.; 77% harvested, 97% 1994, 95% avg. Alfalfa 91% 3rd cutting, 99% 1994, 89% avg.; 25% 4th cutting, 67% 1994, 49% avg.; 1% very poor, 8% poor, 31% fair, 52% good, 8% excellent. Livestock mostly in good to excellent.

DELAWARE: Precipitation 0.00 in., normal 0.76 in. Temperature 62.2°, normal 59.8°. Extremes 42°; 84°. High temperatures in the low to mid 80s. Lows in the low to mid 40s.

Days suitable for fieldwork 5.5. Topsoil 3% short, 97% adequate. Subsoil 71% short, 29% adequate. Corn 87% harvested for grain, 67% 1994, 68% avg. Soybeans 22% very poor, 42% poor, 30% fair, 6% good; 95% turned, 85% 1994, 88% avg.; 87% shedding leaves, 67% 1994, 68% avg.; 18% harvested, 17% 1994, 15% avg. Sorghum 91% mature, 68% 1994, 82% avg.; 34% harvested, 13% 1994, 29% avg. Other hay 18% 4th cutting, 83% 1994, 60% avg. Alfalfa hay 74% 4th cutting, 99% 1994, 93% avg. Apples 84% harvested, 90% 1994, 83% avg. Hay supply short to adequate. Field crop harvest, planting of small grains.

FLORIDA: Temperatures 2 to 6° above normal statewide. Lows: mid 40s north, mid 60s central, upper 60s south. Highs: upper 80s north, low 90s elsewhere in State. Rainfall 0.25 to 4.50 in. Statewide.

Topsoil moisture adequate to surplus Panhandle, adequate northern Peninsula, central Peninsula, southern Peninsula adequate to surplus. Cotton harvest starting. Peanut harvest winding down. Haying active when weather permitted. Making preparations for sugarcane harvest. Sugarcane planting active. Soybean harvest starting. Small grain planting for winter pasture starting. Rain continued to delay fieldwork in most major vegetable areas, and to lower yield prospects due to increased bloom, fruit drop. Cooler temperatures arriving late in the week boosted vegetable development. Volume leaders: Tomatoes, cucumbers, sweet corn, eggplant. Rain all citrus areas, growers pumping water out of low land groves. Warm temperatures producing new growth. Picking crews slowed by rains. Packing houses moving white, colored grapefruit, navels, Ambersweet oranges, K-Early, tangerines. Caretakers cutting cover crops, spraying, fertilizing, removing dead trees. Central Panhandle, southern area pastures have surplus moisture. Winter forage seeding active in the north, Panhandle. Cattle condition; fair 35%, good 65%.

GEORGIA: Temperatures 3 to 5° warmer than normal. Warmest temperatures from upper 70s northeast mountains to upper 80s south. Cold front over weekend with cooler temperatures on 15th. Coldest temperatures on morning of 16th in mid and upper 30s mountains to upper 40s extreme south. Weekly rain totals in 0.50 to 2.00 in. range.

Days suitable for fieldwork 4.5. Soil moisture 6% short, 83% adequate, 11% surplus. Soil moisture adequate Statewide. Harvest slowed due to showers, effects from Hurricane Opal. Armyworms a problem in hay, small grains, pastures some southern areas. Hay 7% poor, 52% fair, 41% good. Peanuts 25% poor, 42% fair, 33% good; 91% dug, 88% 1994, 90% avg.; 82% threshed, 77% 1994, 79% avg. Rye 48% planted, 34% 1994, 32% avg. Sorghum 1% poor, 60% fair, 39% good; 69% harvested for grain, 72% 1994, 71% avg. Soybeans 6% poor, 42% fair, 52% good; 76% dropping leaves, 84% 1994, 86% avg. Wheat 39% fair, 61% good. Other small grains 3% poor, 42% fair, 52% good, 3% excellent; 24% planted, 23% 1994, 20% avg. Other vegetables 6% poor, 56% fair, 35% good, 3% excellent. Apples 4% poor, 96% good; 85% harvested, 90% 1994, 86% avg. Pecans 20% poor, 58% fair, 20% good, 2% excellent; 8% harvested, 6% 1994, 6% avg. Cattle 30% fair, 70% good. Hogs 1% poor, 30% fair, 69% good. Activities: Cleaning up after Hurricane Opal, harvesting fall vegetables, defoliating cotton, mowing cotton stalks, moving peanut hay from fields, harvesting hay, overseeding pastures.

HAWAII: Brisk trade winds gave way to lighter winds by week's end. Partly cloudy conditions at the start of the week became mostly sunny as week progressed. Shower activity generally light, scattered mostly windward sectors. Temperatures cooler, but still ranged from high 60° to low 90°. Rainfall ranged from none to 2.90 in.

Heavy irrigation necessary to maintain crop progress most areas; however, voluntary water conservation measures still in effect several locations due to low supplies. Banana, papaya production light to moderate. Coffee, macadamia harvesting progressing.

IDAHO: Temperatures 4° below normal to normal. Precipitation 0.88 in. to 1.55 in. north, 0.06 to 0.26 in. southwest, none to 0.15 in. south central, none to 0.13 in. southeast. Rain showers experienced nearly every day in northern State while the rest of the State was relatively dry.

Days suitable for fieldwork 5. Topsoil 2% very short, 23% short, 62% adequate, 13% surplus. Irrigation water supplies 1% poor, 8% fair, 78% good, 13% excellent. Apples harvested 55%, 72% 1994, 67% avg. Corn harvested for silage 92%, 86% 1994, 87% avg. Corn harvested for grain 9%, 17% 1994, 22% avg. Dry beans harvested 93%, 98% 1994, 96% avg. Lentils harvested 91%, 99% 1994, 99% avg. Onions harvested 90%, 97% 1994, 93% avg. Potatoes harvested 81%, 74% 1994, 85% avg. Potato 1% poor, 14% fair, 70% good, 15% excellent. Sugar beets harvested 32%, 34% 1994, 37% avg. Activities: Harvesting potatoes, sugar beets, onions, lentils, planting winter wheat, fall fertilization, moving cattle off high ranges, weaning calves.

ILLINOIS: Temperatures 1 to 5° above normal. Highs upper 60s to upper 70s. Lows were low to mid 40s. Rainfall was very light, ranging from none to only one-fourth in. in the northeast.

Days suitable for fieldwork 6.7. Topsoil 27% very short, 45% short, 28% adequate. Another excellent week for harvest with dry, warm, sunny weather. Weather during the last several weeks has resulted in very low moisture content in corn and soybeans. Nearly .25 of the corn, soybean acreage was harvested last week, just under half of the winter wheat was seeded. As soon as the soybeans were harvested in the major winter wheat areas in the southern part of the state, winter wheat was seeded since it has been delayed by soybean harvest and dry soil conditions. Although the weather has been ideal for harvest, rain is needed for germination of winter wheat. With harvest progressing so well, many farmers are taking the opportunity to begin fall tillage as well as application of fertilizers, lime. Soybeans 99% dropping leaves, 98% 1994, 97% avg. Sorghum 85% coloring, 100% 1994, 98% avg.

INDIANA: Little precipitation fell across the state during the week with the heaviest amount of 0.32 in. at Cincinnati. High temperatures were in the 70s with the warmest temperature of 79° recorded at Evansville. Coolest temperatures high 30s to low 50s.

Days suitable for fieldwork 6.8. Topsoil 32% very short, 44% short, 24% adequate. Subsoil 31% very short, 49% short, 20% adequate. Soybeans 99% mature, 98% 1994, 86% avg. Good weather allowed farmers to continue to make good progress harvesting corn and soybeans. Corn harvest 15 days ahead of average. Soybean harvest 12 days ahead of average. Activities: Fall tillage, seeding winter wheat, spreading fertilizer, equipment maintenance, care of livestock.

IOWA: Very mild until 13th with record high temperatures at midweek. Temperatures 3 to 6° above normal. Extremes 26°; 91°. Very dry with only light showers late week, rain totals trace most areas to 0.04 in. northeast; State average only trace, normal 0.58 in.

Days suitable for fieldwork 5.6. Topsoil very short 2%, short 20%, adequate 75%, surplus 3%. Subsoil very short 6%, short 26%, adequate 65%, surplus 3%. Warm, dry weather last week aided in drying down, and in harvesting crops. Soybean harvest made excellent progress jumping 37 points above last week's estimate, while corn harvest made good progress increasing by 15 points over the previous week. Yield comments once again varied widely across the State. Grain storage availability 9% short, 83% adequate, 8% surplus. Average moisture of all field corn 24%; moisture of harvested corn 21%. Winter wheat planted 77%, 69% 1994, 74% avg. 1996 row crops fall tillage complete 8%, 9% 1994, 9% avg.; fall fertilizer activities complete 6%, 9% 1994, 7% avg. Livestock in mostly good condition. Black leg has been reported in calves with some death loss resulting. A few producers beginning to graze cattle on corn stalks, bean stubble.

KANSAS: Temperatures 1 to 5° above normal across the State. Precipitation across the State was virtually nonexistent.

Days suitable for fieldwork 6.7. Topsoil 7% very short, 36% short, 57% adequate. Subsurface 6% very short, 24% short, 70% adequate. Fair weather the past week allowed farmers to make excellent progress with fall harvest, wheat seeding. Wheat emergence, condition are good, some areas are becoming dry, need rain on wheat fields, pastures.

KENTUCKY: Rainfall trace Henderson to 0.82 in. Cumberland Gap. Rainfall below normal -0.40 to -0.7 in. west to -0.10 to -0.30 in. east. High temperatures upper 50s to near 60°. Lows, mid 40s to near 50°. Highs 1 to 4° above normal. Low temperatures -5 to +1° above normal west to -5 to +3° above normal east. No freezing temperatures reported last week.

Days suitable fieldwork 5.5. Topsoil 8% very short, 25% short, 62% adequate, 5% surplus. Subsoil 13% very short, 27% short, 56% adequate, 4% surplus. Burley tobacco stripped 17% 1995, 9% 1994, 12% avg. Tobacco curing well. Housed tobacco minimum houseburn. Housed tobacco 1% very poor, 4% poor, 30% fair, 58% good, 7% excellent. Soybean harvest active. Wheat seeded 38% 1995, 37% 1994, 34% avg. Livestock good condition. Some producers feeding hay.

LOUISIANA: Temperatures 2° below to 1° above normal. Extremes 41°; 89°. Rainfall 0.11 in. west central to 3.10 in. south central.

Days suitable for fieldwork 6.7. Soil 8% very short, 38% short, 53% adequate, 1% surplus. Cotton fieldwork began on some minimum tillage cotton land. Hay 95% second cutting, 96% 1994, 95% avg. Pecans 3% very poor, 32% poor, 42% fair, 23% good; 2% harvested, 5% 1994, 7% avg. Rice farmers continued second crop management. Sorghum 4% very poor, 12% poor, 38% fair, 45% good, 1% excellent. Grain sorghum harvest was on the verge of completion. Soybeans 11% very poor, 34% poor, 32% fair, 21% good, 2% excellent; 100% coloring, 95% 1994, 88% avg.; 88% shedding, 85% 1994, 72% avg. Soybean harvest continued, with yields remaining low despite recent rains. Sugar cane 1% very poor, 4% poor, 28% fair, 60% good, 7% excellent; 10% harvested, 10% 1994, 8% avg. Sugar cane harvest made good progress as growers took advantage of nearly ideal conditions. Sweet Potatoes 65%

harvested, 68% 1994, 69% avg. Sweet potato harvest slowed due to a market glut. Wheat 11% planted, 12% 1994, 7% avg.; 1% emerged, 7% 1994, 3% avg. Vegetables 6% very poor, 22% poor, 46% fair, 25% good, 1% excellent. Livestock 1% very poor, 6% poor, 40% fair, 49% good, 4% excellent. Cattleman continued supplemental feeding of their herds. Pasture conditions deteriorated due to lack of adequate moisture, forcing some pastures to be reseeded.

MARYLAND: Precipitation 0.08 in. normal 0.71 in. Temperature 63.2°, normal 59.4°. Extremes 31°; 86°. Low temperatures low 40s to low 50s. Highs were mainly in the upper 70s to mid 80s.

Days suitable for fieldwork 5.4. Topsoil 3% short, 87% adequate, 10% surplus. Subsoil 1% very short, 33% short, 66% adequate. Corn 80% harvested for grain, 56% 1994, 57% avg.; 99% silage harvested, 91% 1994, 99% avg. Soybeans 12% very poor, 26% poor, 33% fair, 29% good; 98% turned, 93% 1994, 92% avg.; 85% shedding leaves, 82% 1994, 75% avg.; 20% harvested, 22% 1994, 19% avg. Sorghum 85% mature, 94% 1994, 90% avg.; 50% harvested, 27% 1994, 33% avg. Tobacco 5% stripped, 3% 1994, 3% avg. Other hay 61% 4th cutting, 66% 1994, 42% avg. Alfalfa hay 92% 4th cutting, 98% 1994, 86% avg. Apples 69% harvested, 81% 1994, 77% avg. Hay supplies short to mostly adequate. Activities: Harvesting of field crops, planting of small grains.

MICHIGAN: Temperature, precipitation not available. Temperatures were mild in the beginning of the week. By 12th, Indian Summer was here with temperatures in the mid 70s to low 80s. Precipitation was minimal.

Days suitable for fieldwork 6.0. Harvest was active. Topsoil 3% very short, 26% short, 70% adequate, 1% surplus. Subsoil 8% very short, 40% short, 52% adequate. Drybeans harvested 98%, 90% 1994, 90% avg. All hay, fourth cutting 51%, 50% 1994, NA avg.; 1% very poor, 3% poor, 15% fair, 58% good, 23% excellent. Potatoes harvested 100%, 90% 1994, 86% avg.

MINNESOTA: Temperatures 3.0 to 6.0° above normal for the State. Extremes 25°; 88°. Precipitation normal in the central district to 0.36 in. below normal in the northeast district. Greatest weekly total was 0.81 in.

Days suitable for fieldwork 4.0. Topsoil 1% short, 63% adequate, 36% surplus. Corn harvested 40%, 21% 1994, 24% avg.; moisture content 23%, 24% 1994, 27% avg.; stubble worked 14%, 8% 1994, 11% avg. Soybeans harvested 45%, 62% 1994, 70% avg.; moisture content 13%, 14% 1994, 12% avg.; stubble worked 16%, 20% 1994, 29% avg. Dry edible beans harvested 74%, 95% 1994, 95% avg. Potatoes harvested 71%, 94% 1994, 92% avg. Sunflowers harvested 63%, 57% 1994, 54% avg. Sugar beets harvested 44%, 60% 1994, 78% avg. Stubble plowed 83%, 99% 1994, 82% avg.

MISSISSIPPI: Temperatures normal for the week. Extremes 32°; 89°. Soil temperatures 72°. Precipitation 0.39 in., 0.23 in. below normal. Rainfall throughout the entire State ranging from none in the upper delta district to 1.11 in. central district.

Days suitable for fieldwork 6.0. Soil moisture 18% very short, 39% short, 41% adequate, 2% surplus. Corn 100% harvested 94% 1994, 89% avg. Soybeans 98% turning color, 100% 1994, 94% avg.; 89% shedding leaves, 86% 1994, 73% avg.; 61% harvested, 46% 1994, 31% avg.; 6% very poor, 18% poor, 35%

fair, 37% good, 4% excellent. Peanuts 95% harvested, 99% 1994, 94% avg.; 1% poor, 11% fair, 81% good, 7% excellent. Pecans 3% harvested, 14% 1994, 8% avg.; 13% very poor, 43% poor, 34% fair, 9% good, 1% excellent. Sweet potatoes 78% harvested, 75% 1994, 71% avg.; 39% fair, 61% good. Cattle 1% very poor, 8% poor, 41% fair, 40% good, 10% excellent. Farming activities: Harvesting row crops, peanuts, sweet potatoes, field preparation for next years crops. Subsoiling, stalk shredding is taking place behind most cotton pickers. In the north part of the State producers need rain to plant wheat, to boost winter pastures. The dry conditions have permitted producers to move rapidly with harvesting activities.

MISSOURI: Temperatures above normal across the State, ranging from 2° above normal at St. Joseph, to 5° above normal at St. Louis, Nevada. Precipitation 0.12 in., ranging from none to virtually no precipitation in all districts except the central, east central districts which averaged 0.34 to 0.36 in., respectively.

Days suitable for fieldwork 6.6. Topsoil supply, 21% very short, 41% short, 38% adequate. Shortages are most pronounced throughout the southern two-thirds of the State, where over 70% of the topsoil is reported short or very short. Dry, seasonably warm weather across most of the state allowed crops to progress rapidly toward maturity. Harvesting progress made significant headway for all crops, especially soybeans. Winter wheat seedings for next years crop progressed ahead of normal. Ninety-four percent of the corn crop has reached maturity. Corn harvest is varied across the State, ranging from 17% northeast to complete in the southeast. Ninety percent of the soybeans are dropping leaves, while 65% of the crop has reached maturity. Ninety-nine percent of the sorghum crop has been harvested in the southeast district, followed by 94% south central, while 25% or less has been harvested throughout the remainder of the State.

MONTANA: Mild week across the State. Near normal temperatures, precipitation.

Days suitable for fieldwork 4.9. Topsoil 2% very short, 27% short, 69% adequate, 2% surplus. Subsoil 5% very short, 30% short, 63% adequate, 2% surplus. Small grain harvest virtually complete. Spring wheat 98% harvested, 100% 1994, 97% avg. Barley 98% harvested, 100% 1994, 98% avg. Oats 97% harvested, 100% 1994, 98% avg. Corn for silage 98% harvested, 97% 1994, 94% avg. Sugar beets 52% harvested, 44% 1994, 51% avg. Potatoes 55% harvested, 79% 1994, 80% avg. Cattle, calves moved from summer ranges, 62%. Sheep, lambs moved from summer ranges, 68%.

NEBRASKA: Temperatures 3 to 7° above normal across the State. Precipitation was light across the State with amounts from traces to 0.30 in.

Days suitable for fieldwork 6.2. Topsoil 2% very short, 23% short, 71% adequate, 4% surplus. Subsoil 2% very short, 31% short, 66% adequate, 1% surplus. Excellent fall harvest conditions in most part of the State last week moved soybean, sorghum harvest into full swing. Corn harvest last week remained slow while producers worked to complete soybean harvest before moving onto corn. Many fields in the east, south were showing extensive stalk breakage from high winds, corn borer damage; most stalk breakage appeared to be above the ear, however. Wheat: Grasshopper damage to field margins was noticed in some fields in the northwest part of the State. A few southwest producers were reseeded the crop due to uneven

stands. Dry beans 95% harvested, 100% 1994; some freeze-damaged beans remain to be harvested.

NEVADA: Weather conditions remained mostly fair with very little precipitation. A low pressure system passed through the State on 12th to 13th, bringing high winds, few showers near the Idaho border. Temperatures 1 to 5° above normal in all districts. Extremes 7° Wildhorse Reservoir; 99° Laughlin. The only measurable precipitation was 0.13 in. at Mcdermitt, 0.12 in. at Mountain City.

Planting of winter grains continued in northern areas with progress approaching completion. Winter wheat seeding was over 90% complete, winter barley 75%. Alfalfa third cutting was ending in the north, a few growers were getting a fourth cutting. Hard freeze in most northern, central areas has halted further crop growth. Alfalfa condition remain good to excellent. Alfalfa seed harvest was nearing completion; yields were reduced by spring storm damage in the Lovelock area. Cutting of sudan grass for hay continued extreme south. Corn silage harvest continued. Potato harvest still in full swing. Onion harvest was nearing completion in the Yerington area. Pistachio harvest was underway in southern areas. Weaning, movement of livestock from Fall ranges continued. Cattle movement was about half complete; sheep movement well along. Main farm, ranch activities: Finishing haying, irrigating fall-seeded grains, onion harvest, potato harvest, moving/marketing livestock.

NEW ENGLAND: Precipitation 0.03 to 1.54 in. north, 0.06 to 2.43 in. south. Temperatures 54 to 60° north, 54 to 63° south. Temperatures across the region averaged almost 8° above normal last week. Maximum temperatures 75 to 87° north, 77 to 87° south. Minimum temperatures 31 to 44° north, 33 to 46° south.

Days suitable for fieldwork 5.8. Topsoil 1% very short, 13% short, 81% adequate, 5% surplus. Subsoil 10% very short, 24% short, 66% adequate. Maine potatoes 95% harvested, 95% 1994, 90% avg., condition good/fair. Rhode Island potatoes 100% harvested, 95% 1994, condition excellent/good. CT River Valley potatoes 95% harvested, 95% 1994, 90% avg., condition good. Maine oats 99% harvested, 98% 1994, 97% avg., condition good/fair. Maine barley 100% harvested, condition good/fair. Field corn 90% harvested, 80% 1994, 75% avg., condition good/fair. Sweet corn 100% harvested, 100% 1994, condition good/fair. Second cut hay 99% harvested, 99% 1994, 97% avg., condition good/fair. Third cut hay 95% harvested, 85% 1994, 85% avg., condition fair/good. Apples 90% harvested, 85% 1994, 80% avg., size avg./below avg., condition good/fair. Pears 98% harvested, 100% 1994, size avg., condition good/fair. Cranberries 75% harvested, 65% 1994, set above avg., size below avg/avg, condition excellent/good. Major farm activities: The past week had farmers preparing fields for winter; spreading manure, planting rye. Harvesting of second, third cut hay, harvesting silage corn winding down towards completion. Potato harvest is essentially over for much of the State of Maine. Crop quality is good to fair with no reports of late blight tuber infection, initial storage conditions are good. Cranberry harvest continues with color, quality excellent to good.

NEW JERSEY: Temperatures much above normal. Extremes 36°; 86°. Rainfall 1.49 in. north, 1.11 in. central, 1.61 in. south. Heaviest 24 hour total was 2.37 in. on the 14th to 15th. Estimated soil moisture, in percent of field capacity, 94% north,

87% central, 86% south.

Days suitable for fieldwork 6. Topsoil adequate. Good volume of sweet potatoes, acorn, butternut squash, lettuce, turnips, cabbage, endive, escarole. Moderate supply of green beans, eggplant, beets, white potatoes, spinach, herbs, peppers, pumpkins, leeks, parsley. Limited volume of green, yellow squash, sweet corn, cucumbers, radishes, pickles, tomatoes, green onions. The harvesting of corn for grain continues. Both single, double-crop soybeans are being combined as the harvesting of the crop approaches its peak. Additional cuttings of hay occur when weather permits. Pasture condition is rated mostly as fair. Apple harvesting is still active. The cranberry harvest is increasing, condition of the crop is rated as good.

NEW MEXICO: Dry conditions again prevailed across State during the week. No measurable precipitation was noted. Warmer than normal temperatures prevailed at most locations. Only Moriarty, Capulin, Ruidoso were cooler than normal, mainly due to cold nighttime temperatures in the very dry air mass which allowed for maximum radiational heat loss.

Days suitable for fieldwork 6.9. Soil moisture 23% very short, 46% short, 31% adequate. Alfalfa 4% poor, 38% fair, 50% good, 8% excellent. Corn 4% poor, 8% fair, 85% good, 3% excellent. Cotton 15% poor, 25% fair, 50% good, 10% excellent; 95% bolls opening, 95% 1994, 94% avg.; 6% harvested, 9% 1994, 9% avg. Sorghum 31% very poor, 30% poor, 17% fair, 22% good; 89% coloring, 94% 1994, 98% avg.; 6% mature, 69% 1994, 75% avg.; 0% harvested, 13% 1994, 14% avg. Wheat 3% very poor, 7% poor, 25% fair, 65% good; 98% planted, 100% 1994, 97% avg.; 87% emerged, 58% 1994, 59% avg. Chile 6% very poor, 15% poor, 32% fair, 40% good, 7% excellent. Pecans 5% very poor, 2% poor, 25% fair, 30% good, 38% excellent. Apples 8% poor, 84% fair, 7% good, 1% excellent. Cattle 2% very poor, 11% poor, 34% fair, 52% good, 1% excellent. Sheep 1% very poor, 4% poor, 34% fair, 59% good, 2% excellent.

NEW YORK: Much needed rain was received. Heavy amounts fell across the State causing localized flooding in a few areas. Temperatures ranged from extremely warm during the week to very cool late in the week.

Days suitable for fieldwork 5.6. Soil moisture was 43% short, 57% adequate. Hay, corn were in good condition. Silage corn was 95% harvested, 76% 1994, 70% avg. Grain corn harvest reached 30% complete, 10% 1994, 11% avg. Potato digging continued. Dry bean harvest active. Vegetable harvest near completion. A few cold season crops remain for harvest. Growers turning under crop residues and cleaning fields and equipment. Grape harvest continued active. Sugar levels high. Apple picking remained in high gear. Cider making continued.

NORTH CAROLINA: Rainfall 0.61 in. during October 8th to 14th, 0.03 in. above normal. Cape Hatteras reported a high of 7.24 in. rain during the past week. Temperature for State 67°, 5° above normal. High temperature of 81° was reported in Arcola, with a low temperature of 35° in Blowing Rock.

Days suitable for fieldwork 5. Soil moisture 6% short, 72% adequate, 22% surplus. Oats 31% planted, 43% 1994, 33% avg. Barley 26% planted, 48% 1994, 37% avg. Rye 31% planted, 55% 1994, 39% avg. Corn 88% cut for silage, 99% 1994, 97% avg. Sorghum 40% harvested, 80% 1994, 63% avg. Peanuts 65% dug, 72% 1994, 64% avg.; 40% threshed, 52% 1994, 44% avg. Sweet potatoes 45% harvested, 67% 1994, 61% avg. Third cutting of hay 65% complete, 77% 1994, 70% avg. Crop conditions: Apples 9% poor, 17% fair, 60% good, 14% excellent;

peanuts 1% very poor, 7% poor, 68% fair, 24% good; sorghum 1% poor, 6% fair, 78% good, 15% excellent; sweet potatoes 1% very poor, 28% poor, 24% fair, 46% good, 1% excellent; hay 2% poor, 23% fair, 68% good, 7% excellent; tobacco in fields 1% fair, 99% good; hay, roughage supplies 1% very short, 9% short, 81% adequate, 9% surplus. Activities: Harvesting, marketing tobacco; harvesting vegetables; cutting silage; spraying cotton; cutting hay; harvesting row crops; planting small grains; discing tobacco stalks; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Warmer than normal temperatures. Temperatures 2 to 3° above normal statewide. Extremes 23° north central, west central; 87° south central. Precipitation 0.09 in. west central, southwest to 0.45 in. southeast.

Days suitable for fieldwork 6. Topsoil 2% very short, 17% short, 75% adequate, 6% surplus. Subsoil 2% very short, 12% short, 77% adequate, 9% surplus. Harvest made excellent progress, was at or ahead of last year and average, except soybeans, potatoes. Flaxseed 95% harvested; 88% 1994; 93% avg.; sunflowers 38% harvested; 13% 1994; 38% avg.; potatoes 92% dug; 95% 1994; 97% avg.; corn for grain 37% harvested; 18% 1994; 35% avg.; dry edible beans 93% harvested; 85% 1994; 90% avg.; soybeans 63% harvested; 62% 1994; 82% avg.; sugar beets 47% lifted; 69% 1994; 87% avg.

OHIO: Most reporting locations received no precipitation this week, while some locations in the southeast received limited rainfall on 12 to 14th. Highest reported weekly total was 4.20 in. at Marion. Lows were in the mid 40s, extreme lows in the upper 30s. Highs were in the upper 70s, extreme highs in the lower 80s. Highs were as much as 10° above the 30-year average. Temperatures rose during the week, dropping off dramatically 15th.

Days suitable for fieldwork 6.2. Topsoil 2% very short, 14% short, 81% adequate, 3% surplus. Harvest of corn, soybeans, planting of winter wheat are all ahead of average. Germination of winter wheat has been advanced by last weeks rain. Grapes are being picked in the lake bed regions.

OKLAHOMA: Precipitation none all districts except west central, southwest, south central districts reported a trace.

Days suitable for fieldwork 6.4. Topsoil 1% very short, 15% short, 80% adequate, 4% surplus. Subsoil 1% very short, 14% short, 81% adequate, 4% surplus. Oats 50% planted, 39% 1994, 47% avg.; 15% up to stand, 23% 1994, 28% avg. Corn 95% mature, 100% 1994, 100% avg.; 69% harvested, 96% 1994, 93% avg. Soybeans 60% mature, 81% 1994, 67% avg.; 36% harvested, 57% 1994, 30% avg. Peanuts 12% poor, 35% fair, 52% good, 1% excellent; 71% mature, 89% 1994, 80% avg.; 39% dug, 47% 1994, 35% avg.; 14% combined, 30% 1994, n/a avg.; alfalfa 3% poor, 32% fair, 62% good, 3% excellent; 39% 5th cutting, 75% 1994, 52% avg.; 2% 6th cutting, 7% 1994, 2% avg. Livestock 1% poor, 14% fair, 81% good, 4% excellent. Feeder steers, heifers steady.

OREGON: Temperatures coast, Willamette Valley 2 to 5° above normal, northeast, southeast 2 to 4° above normal, elsewhere near normal. Precipitation: coast 1.25 to 3.75 in., Willamette Valley 1.50 to 2.25 in., elsewhere less than 1.00 in.

Days suitable for fieldwork 6.0. Topsoil 51% short, 49% adequate. Subsoil moisture 50% short, 50% adequate. All barley planted 21%. Western fields too wet to work. Klamath

Basin: Grain harvest nearly completed, late crop alfalfa hay cutting underway, potato harvest 75% completed. Mid Columbia section: Seeding conditions excellent. Central sections: Potato harvest 80% completed. Willamette Valley: Cole crop, sweet corn harvest continued, late vegetable plantings growing well, onions drying in fields as weather permitted, hazelnut harvest continued, walnuts falling, wine grape harvest continuing, fruit harvests winding down, nursery activity limited due to the wet weather, nurseries digging, balling plants, Christmas tree shearing winding down, Christmas tree harvest nearing. Livestock good excellent. Western pastures producing fall feed, supplemental feeding still required. Weaning, shipping yearling calves nearly completed.

PENNSYLVANIA: Temperature 56°. Extremes 32°; 83°. Precipitation 1.02 in.

Days suitable for fieldwork 6.0. Soil moisture 15% very short, 44% short, 41% adequate. Ensilage corn 90% harvested, 78% 1994, 74% avg. Soybean 20% harvested, 20% 1994, 14% avg.; 10% very poor, 23% poor, 39% fair, 23% good, 5% excellent. Potato harvest 70% complete, 83% 1994, 83% avg. Fall plowing 63% complete, 79% 1994, 75% avg. Wheat planted 48% complete, 67% 1994, 70% avg. Barley planted 76% complete, 85% 1994, 85% avg. Alfalfa 3rd cutting 88% complete, 98% 1994, 92% avg. Alfalfa 4th cutting 50% complete, 68% 1994, 65% avg. Quality of hay made 6% very poor, 6% poor, 19% fair, 53% good, 16% excellent. Grapes 70% harvested, 70% 1994, 79% avg. Apples 76% harvested, 77% 1994, 75% avg. Activities: Harvesting corn grain, corn silage, soybeans, potatoes; making hay; cutting haylage; planting barley, wheat; plowing; filling silos; fixing fences; machinery maintenance; hauling manure; caring for livestock.

SOUTH CAROLINA: Temperatures 4 to 6° above normal. Extremes 40°; 87°. Rainfall 1.20 in.

Days suitable for fieldwork 5.30. Soil moisture 4% short, 80% adequate, 16% surplus. Cotton harvest behind normal, wet weather interrupt progress. Corn harvest winding down, 98% harvested, 94% 1994, 97% avg.; 1% poor, 59% fair, 40% good. Sorghum 56% harvested, 52% 1994, 62% avg.; 50% fair, 50% good. Peanuts 63% harvested, 58% 1994, 56% avg.; 28% fair, 72% good. Sweet potatoes 30% harvested, 39% 1994, 56% avg.; 40% fair, 60% good. Tobacco 94% stalks destroyed; 93% 1994, 89% avg. Apples 75% harvested, 86% 1994, 88% avg.; 100% good. Pecan 17% poor, 44% fair, 39% good. Livestock 2% poor, 16% fair, 81% good. Small grain planting active. Wheat 7% planted, 4% 1994, 4% avg.

SOUTH DAKOTA: Temperatures 3 to 8° above normal. Extremes 17°; 92°. It was a dry week with only a few scattered stations reporting any significant precipitation. Heaviest precipitation 1.10 in. Milbank, 0.55 in. Yankton, 0.42 in. Brookings.

Days suitable for fieldwork 3.8. Topsoil 1% very short, 4% short, 62% adequate, 33% surplus. Subsoil 8% short, 60% adequate, 32% surplus. Corn 92% mature, 100% 1994, 88% avg.; 83% silage harvested, 97% 1994, 84% avg.; 6% poor, 33% fair, 50% good, 11% excellent. Soybeans 92% mature, 100% 1994, 94% avg.; 1% very poor, 11% poor, 35% fair, 41% good, 12% excellent. Sorghum 77% silage harvested, 85% 1994, 82% avg.; 2% very poor, 7% poor, 43% fair, 45% good, 3% excellent. Sunflowers 94% mature, 96% 1994, 93% avg.; 21% harvested, 47% 1994, 50% avg.; 1% very poor, 9% poor, 27% fair, 43%

good, 20% excellent. Winter rye 90% emerged, 94% 1994, 91% avg. Harvest was still being hampered by wet fields following the previous week's heavy rains. Moisture content in corn was generally running 20% to 25%. Corn borer damage was causing some producers to harvest high moisture corn to prevent heavy field losses. Livestock condition 1% poor, 11% fair, 72% good, 16% excellent. Stock water supplies 1% very short, 4% short, 68% adequate, 27% surplus. Feed supplies 2% short, 81% adequate, 17% surplus.

TENNESSEE: Precipitation was below normal, statewide. Temperatures 2° above normal west, middle, east 1 to 4° below normal. Extremes 37°; 86°.

Days suitable for fieldwork 6.0. Topsoil 1% very short, 19% short, 76% adequate, 4% surplus. Subsoil 1% very short, 20% short, 75% adequate, 4% surplus. Corn 94% grain harvest, 76% 1994, 72% avg. Cotton 9% poor, 44% fair, 43% good, 4% excellent; 40% harvested, 46% 1994, 46% avg. Sorghum 90% harvested, 94% 1994, 77% avg. Tobacco 25% stripped, 25% 1994, 22% avg. Soybeans 2% very poor, 9% poor, 37% fair, 45% good, 7% excellent; 88% shedding leaves, 82% 1994, 77% avg.; 52% mature; 55% 1994, 45% avg.; 17% harvested; 16% 1994, 14% avg. Winter wheat 27% seeded; 26% 1994, 25% avg.

TEXAS: Sunny skies, cooler temperatures dominated during second week of October. Moisture from Hurricane Roxanne brought rain to most of Gulf Coast. Heaviest rains fell in eastern half of Lower Rio Grande Valley. Brownsville received nearly five inches of rain while Harlingen recorded over an inch. Cold front over weekend replenished supply of cool air across most of Texas. Low temperatures this weekend in Panhandle were in lower 30s while northern sections and parts of Hill Country were in upper 30s. Elsewhere temperatures 40s to 50s. Temperatures ran below normal with values ranging from 1° below normal in south central areas to 8° below normal in Lower Valley. Rainfall below normal except for above normal reading in Valley.

Crops: Small grains: progress good on emerged fields; however, a good rain would not hurt. Planting continued at good pace during week with open conditions. Statewide wheat 79% normal compared with 68% 1994. Corn harvest continued without delay in Plains. Yields have varied. Some fields continued show wind damage. Corn 100% mature, 100% 1994, 99% avg. Cotton harvest increasing in Plains, gins beginning to open. Defoliants being applied at rapid pace with open weather. Harvest continued on some late fields in Blacklands, Central. Grain sorghum harvest continued at good pace in Plains. Harvest winding down with few late fields in Blacklands. Rice: harvest of second crop continued increase. Harvest first crop now completed most fields. Peanuts: disease problems continued show up many fields across State as harvest increasing. Yields have been fair. Statewide 75% normal compared 78% 1994.; 25% harvested, 24% 1994, 30% avg. Soybeans: open conditions in Plains allowed producers to increase harvest activity. Harvest of few late fields completed along Upper Coast. Sunflowers 41% harvested, 43% 1994, 44% avg. Sugar beets 1% harvested, 7% 1994, 17% avg.

Commercial Vegetables: Rio Grande Valley, rainfall should benefit all growing crops. Early progress has been good. Harvest early oranges delayed some by rain. San Antonio-Winter Garden, fall watermelon harvest continued. Spinach planting winding down. East, sweet potato harvest continued, past halfway point many fields. High Plains, drying fields, open conditions allowed pumpkin harvest to resume. Harvest of

peppers also continued. Pecans: Harvest increasing many areas. Prospects remained high most areas. Some disease, insect problems shown up. 4% harvested, 6% 1994, 6% avg.

Range and Livestock: Many ranges, pastures beginning to go dormant for season. Some producers begun feeding hay. Small grain pastures showing good progress. Stockers arriving, should begin going onto wheat fields soon. Producers busy weaning calves, culling cows. All classes of livestock remained good condition with mild temperatures.

UTAH: Temperature 3° above normal; minimums 2° below normal. The only recorded precipitation amounts were Trenton with 0.01 in. Salt Lake City Airport, Fort Duchesne received a trace.

Days suitable for fieldwork 7.0. Topsoil 40% short, 58% adequate, 2% surplus. Subsoil 38% short, 60% adequate, 2% surplus. Winter wheat seeded 96%, 81% 1994, 90% avg.; emerged 58%, 45% 1994, 58% avg. Corn dent stage 83%; mature 60%, 87% 1994, 88% avg.; harvested for silage 90%, 89% 1994, 83% avg.; harvested for grain 5%, 44% 1994, 36% avg. Alfalfa hay 4th cutting 78%, 84% 1994, 83% avg.; alfalfa seed harvest 70%, 90% 1994. Onions harvested 86%, 91% 1994. Potatoes harvested 75%, 78% 1994, 83% avg. Apples picked 79%, 68% 1994. Cattle moved from summer range 70%, 92% 1994, 80% avg. Sheep moved from summer range 72%, 87% 1994, 84% avg. Major farm, ranch activities were fall tilling, planting wheat, harvesting apples, vegetables, alfalfa, corn silage, moving cattle, sheep.

VIRGINIA: Temperatures above normal in most of the State. Extremes 34°, 80°. Precipitation levels 0.75 to 2.00 in. within the six weather districts.

Days suitable for fieldwork 5.9. Topsoil 18% short, 79% adequate, 3% surplus. Subsoil 5% very short, 32% short, 63% adequate. Fall apples harvested 60%, 90% 1994, 80% avg. Winter apples harvested 45%, 71% 1994, 47% avg. Corn harvested for grain 76%, 72% 1994, 69% avg. Corn harvested for silage 99%, 94% in 1994, 93% avg. Soybean 18% very poor, 36% poor, 36% fair, 10% good; harvested 14%, 19% 1994, 12% avg. Peanuts dug 88%, 89% 1994, 75% avg. Peanuts combined 70%, 75% 1994, 59% avg. Cotton harvested 35%, 28% 1994, 18% avg. Flue tobacco harvested 99%, 98% 1994, 98% avg. Burley harvested 100%, 100% 1994, 100% avg. Barley seeded 33%, 52% 1994, 44% avg. Oats seeded 40%, 73% 1994, 59% avg. Winter wheat seeded 18%, 21% 1994, 18% avg. Livestock 2% poor, 18% fair, 75% good, 5% excellent.

WASHINGTON: Temperatures 4° below to 4° above normal west; 2° below to 3° above normal east. Precipitation 1.61 to 4.34 in. west; none to 0.71 in. east. Rainfall limited most agricultural activities.

Days suitable for fieldwork 4.0. Topsoil 3% short, 82% adequate, 15% surplus; subsoil 20% short, 80% adequate. Irrigation water supply 100% adequate. Farmers tried to finish fall work between periods of rainfall. Recently seeded turfgrass fields damaged by rain. Russian wheat aphid problem reported in early seeded cereal crops. Christmas tree growers reported good sales. Sugar beet, pumpkin, buckwheat harvests underway. Apple harvest progressed slowly due to wind, rain. Cranberries, grapes, Red Delicious apples, Fuji apples, Granny Smith apples, carrots, sweet corn were harvested. Pastures grew well with the recent rains. Livestock in the central part of the State were moved to fall pastures, crop aftermath fields. The fourth, fifth cuttings of alfalfa hay were delayed due to rain. Winter wheat, dryland 21% fair, 69% good, 10% excellent;

irrigated, 1% fair, 85% good, 14% excellent. Potatoes, 31% fair, 69% good. Corn, 100% good. Dry edible beans, 100% good. Hay, other roughage supplies 2% short, 97% adequate, 1% surplus. Winter wheat, 89% planted, 82% 1994, 88% avg.; 70% emerged, 55% 1994, 68% avg. Potatoes, 73% harvested, 77% 1994, 72% avg. Dry edible beans, 80% harvested, 98% 1994, 88% avg. Corn, harvested for silage, 84% harvested, 93% 1994, 84% avg. Corn, harvested for grain, 2% harvested, 32% 1994, 20% avg.

WEST VIRGINIA: Temperature 59°. Extremes 34°; 84°. Temperatures 3 to 6° above normal. The greatest weekly total precipitation was 1.88 in. reported at Wheeling. State average was 1.16 in.

Days suitable for fieldwork 5.5. Topsoil 8% very short, 43% short, 46% adequate, 3% surplus. Wheat 31% planted, 44% 1994, 37% avg. Hay second cutting 100%, 100% 1994, 98% avg.; third cutting 87%, 90% 1994, 93% avg. Corn 98% mature, 96% 1994, 94% avg.; 70% harvested, 55% 1994, 54% avg. Soybeans 9% fair, 82% good, 9% excellent; 98% dropping leaves, 90% 1994; 14% harvested, 25% 1994. Barley 62% planted, 55% 1994. Tobacco 99% harvested, 100% 1994, 99% avg. Cattle 2% poor, 16% fair, 81% good, 1% excellent. Sheep 1% poor, 14% fair, 84% good, 1% excellent. Activities: Cutting hay, marketing cattle, harvesting apples, corn for grain, silage, soybeans, sowing wheat, barley, equipment maintenance.

WISCONSIN: Temperature 55°, 6° above normal. Extremes 30°; 87°. Precipitation trace to 0.30 in.

Days suitable for fieldwork 5.2. Soil 12% short, 66% adequate, 22% surplus. General condition of crops 1% very poor, 2% poor, 20% fair, 69% good, 8% excellent. Soybean 2% poor, 24% fair, 62% good, 12% excellent; harvested 33%, 27% 1994, 32% avg. Fall tillage 25%, 21% 1994, 21% avg. Farmers spent most of the week harvesting both corn, soybeans. Reporters mentioned that the moisture levels were in the low twenties with some reports in the upper teens. Farmers noted that the yields are lower than last year's record crop. They feel it is a result of the hot, dry conditions in June, July. Reporters also mentioned that the corn borer problem has reduced yields because of ears falling to the ground, stalks lodging. Soybean harvest pushed on with initial reports of excellent yields. Many farmers reported yields are better than 1994. Some farmers harvested late crop alfalfa over the past week with reports of good quality hay. Winter wheat has a good stand going into the winter. Potato harvest neared completion with yields down, good quality. Apple harvest progressed with varying reports on yield. Cranberry harvest continued at a good pace.

WYOMING: Temperatures 1 to 4° above normal across State except for few areas averaged slightly below normal. Extremes 13° Jackson; high 88° Torrington. Precipitation 0.10 to 0.30 in. below normal across most of State. A few areas 0.10 to 0.20 in. above normal. Casper received the greatest amount of precipitation of 0.41 in.

Days suitable for fieldwork 6.4. Topsoil 89% adequate. Winter wheat for harvest in 1996 51% fair, 39% good, 10% excellent; 91% emerged, 94% 1994, 88% avg. Dry beans 91% combined, 99% 1994, 90% avg. Potatoes 65% harvested, 94% 1994, 94% avg. Sugar beets 16% fair, 84% good; 42% harvested, 42% 1994, 46% avg. Corn 40% fair, 60% good; 27% harvested, 46% 1994, 31% avg.; harvested for silage 98% complete, 100% 1994, 98% avg. Alfalfa 3rd cutting 86% complete, 99% 1994, 83% avg. Livestock moved from summer pastures: Cattle 64%, sheep 71%.

International Weather and Crop Summary

October 8 - 14, 1995

HIGHLIGHTS

FSU-WESTERN: Several days of dry weather helped summer crop harvesting.

FSU-NEW LANDS: Spring grain harvesting advanced to completion in Kazakhstan and was nearly complete in Russia.

EUROPE: Unseasonably warm, dry weather benefited fieldwork for summer crop harvesting and winter grain planting.

SOUTH ASIA: Inundating rain flooded some coastal rice, but generally favorable conditions prevailed elsewhere.

SOUTH AFRICA: Rain continued in the eastern corn belt, but dry, warm weather elsewhere hastened wheat maturity and limited corn planting.

AUSTRALIA: Beneficial rain in southern Queensland likely encouraged summer crop planting.

EASTERN ASIA: Typhoon Ted hit southern China, slowing rice harvesting. Rain across the North China Plain and Manchuria slowed summer crop harvesting, but increased topsoil moisture for winter wheat planting.

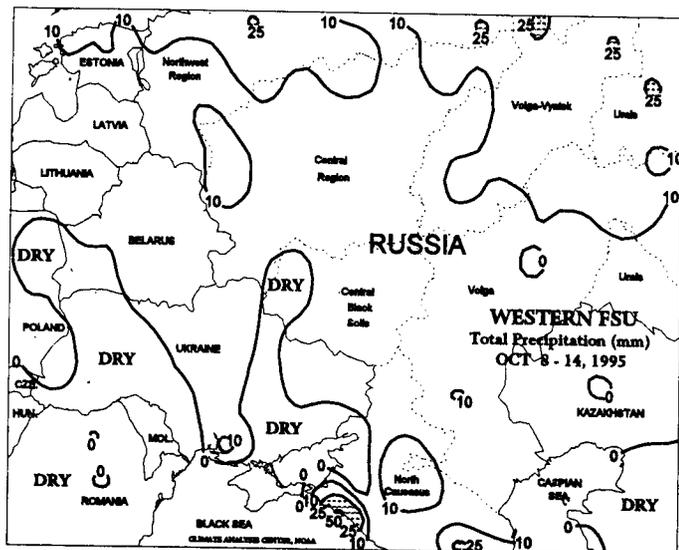
SOUTHEAST ASIA: Drier weather eased flooding across northern Thailand and the Philippines.

SOUTH AMERICA: In Argentina, widespread rain fell across the main crop area, aiding winter wheat and increasing topsoil moisture for summer crops.

MEXICO: Dry weather favored harvesting across the main corn belt. Hurricane Roxanne hit the Yucatan Peninsula, causing some flooding.

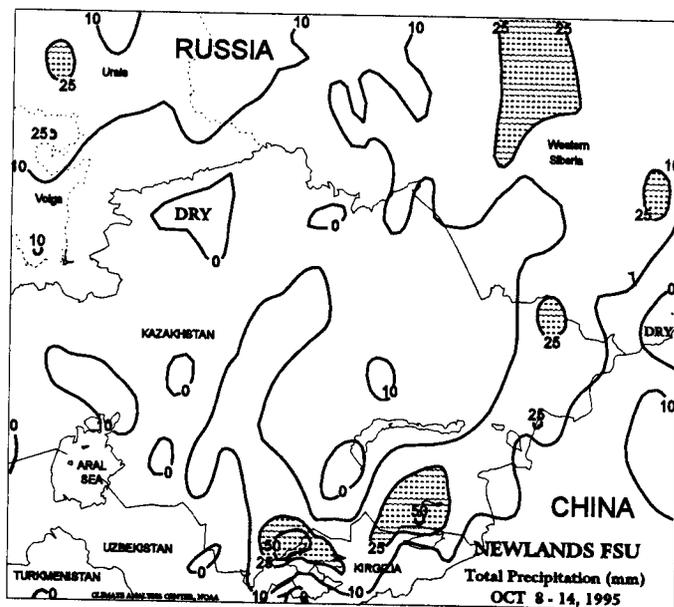
FSU-WESTERN

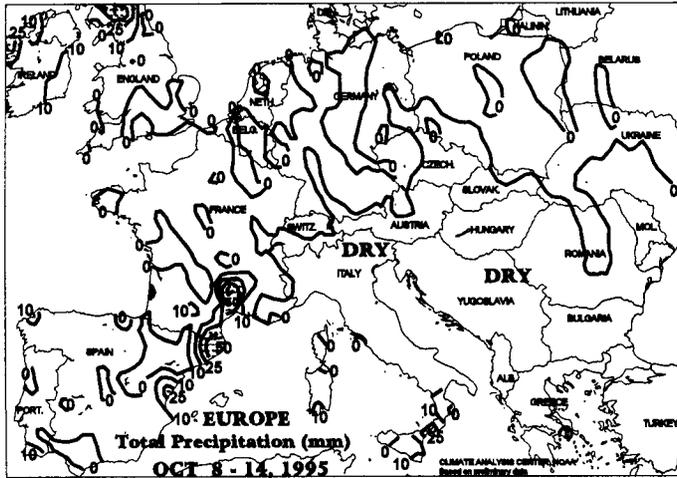
In Russia, several days of dry weather helped summer crop harvesting. There was a brief period of light showers (2-16 mm) during midweek, however, which caused only temporary delays in corn and sunflower harvesting and kept topsoils moist for winter grain development. Unusually mild weather over Russia continued to promote further vegetative growth in winter grains. However, the continued mild weather over northern areas has not allowed sufficient hardening in winter grains prior to entering dormancy, typically from mid to late-October. Elsewhere, unseasonably warm, dry weather over Ukraine, Belarus, and the Baltics provided ideal conditions for potato, sugar beet, sunflower, and corn harvesting. Weekly temperatures averaged 2 to 6 degrees Celsius (C) above normal over most of Russia, Ukraine, Belarus, and the Baltics.



FSU-NEW LANDS

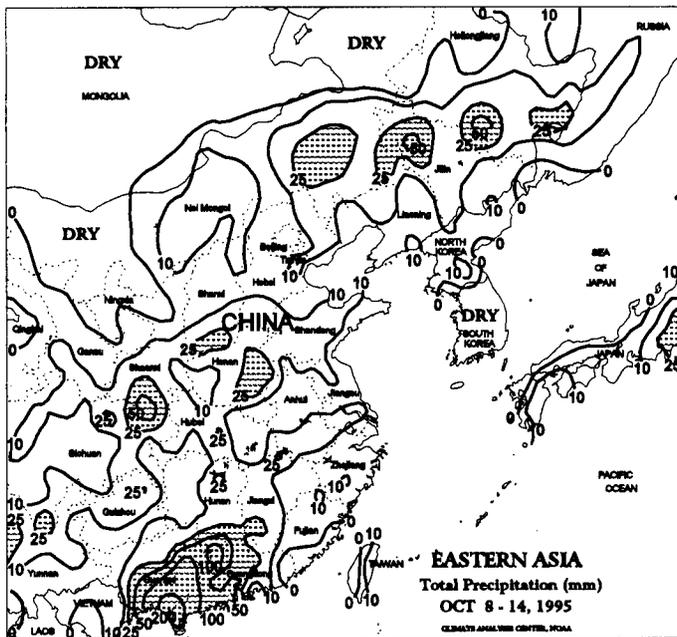
Light to moderate showers (10-36 mm) covered the Urals, Western Siberia, and Eastern Siberia during the week, interrupting late-season spring grain harvesting. Farther south, mostly dry weather over Kazakhstan allowed the spring grain harvest to advance to completion without delay. At week's end, a cold front pushed southward over the region, ushering in cold weather. Minimum temperatures over Russia and Kazakhstan dropped to lows ranging from -2 to -9 degrees C. In cotton areas of Central Asia, dry weather during most of the week favored rapid cotton harvesting.





EUROPE

Warm, dry weather persisted over Europe during most of the week, favoring summer crop harvesting and winter grain planting. The dryness over France and northern Italy allowed rapid corn harvesting. In Greece, continued dry weather helped cotton harvesting. In Spain, winter grain planting began in the south, despite the drought. Weekly temperatures averaged 2 to 6 degrees C above normal over most of Europe. By week's end, a frontal system brought light, scattered showers to northern Spain and southeastern France.



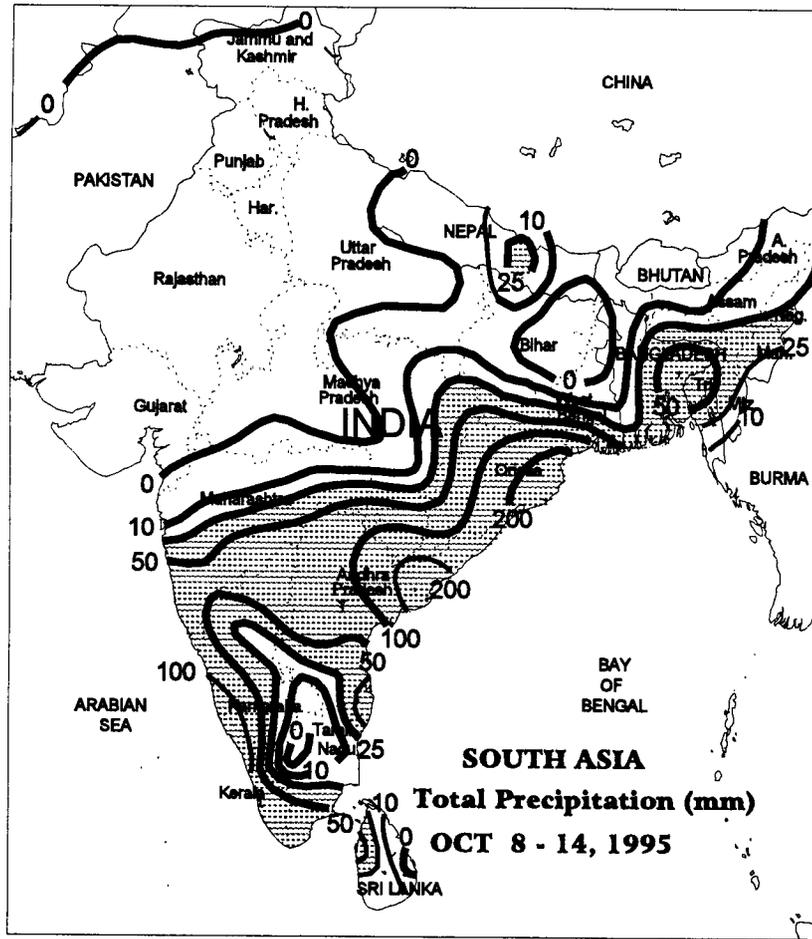
EASTERN ASIA

Typhoon Ted hit the southern Chinese coast (near the border of Guangxi and Guangdong) on October 13, producing heavy showers (150-225 mm) along the coast and over Hainan Island. The storm caused some flooding and delayed rice harvesting throughout this region. Ted made landfall with sustained winds of 70 to 80 knots (81-92 mph) about 400 km (250 miles) to the west of where Typhoon Sibyl struck last week. The storm produced moderate to heavy showers (25-100 mm) inland across eastern Guangxi and western Guangdong, slowing rice harvesting. Mostly dry weather prevailed across the remainder of southern China and the Yangtze Valley, aiding rice harvesting. Light to moderate rain (10-35 mm) fell across the North China Plain, Manchuria, and the Sichuan Basin, slowing summer crop harvesting, but boosting topsoil moisture for winter wheat planting. A hard freeze was reported across northern Manchuria (Heilongjiang), which aided in drying down summer crops. Mostly dry weather favored rice harvesting across the Korean Peninsula and Japan.



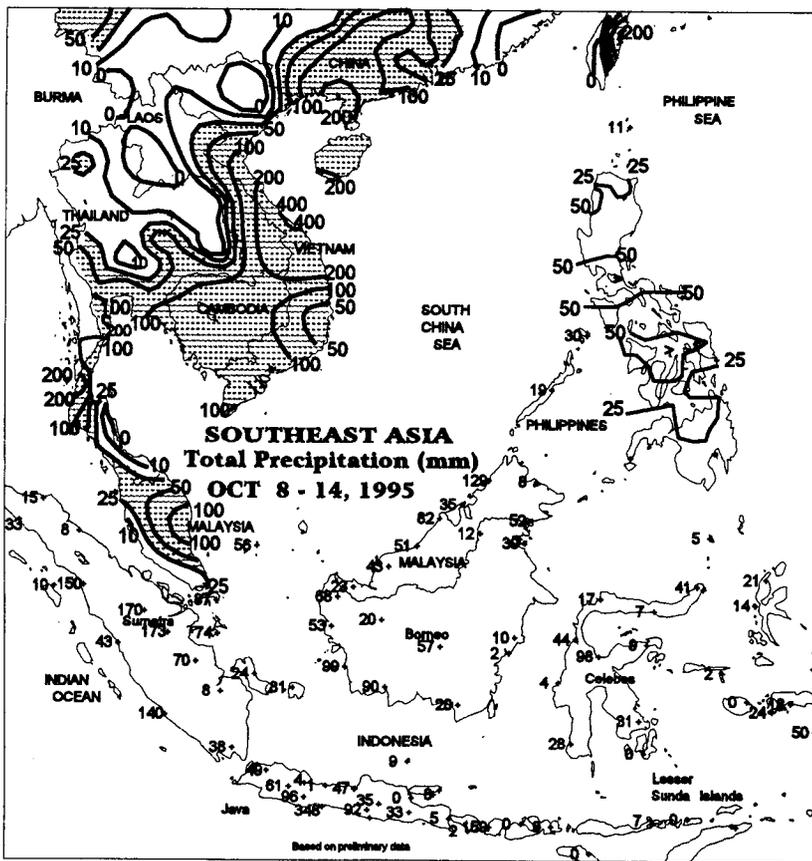
MEXICO

Dry weather continued to favor corn harvesting across the Southern Plateau corn belt. Tropical Storm Roxanne crossed the Yucatan Peninsula on October 10 to 12, with sustained winds of 60 to 70 mph. The storm brought moderate to heavy rain (25-60 mm, with isolated amounts greater than 100 mm) to the peninsula, but that region accounts for less than 7 percent of national citrus and corn production. Moderate showers (15-25 mm, with an isolated amount greater than 100 mm) fell across the eastern Gulf Coast, increasing moisture supplies for the upcoming planting of winter crops.



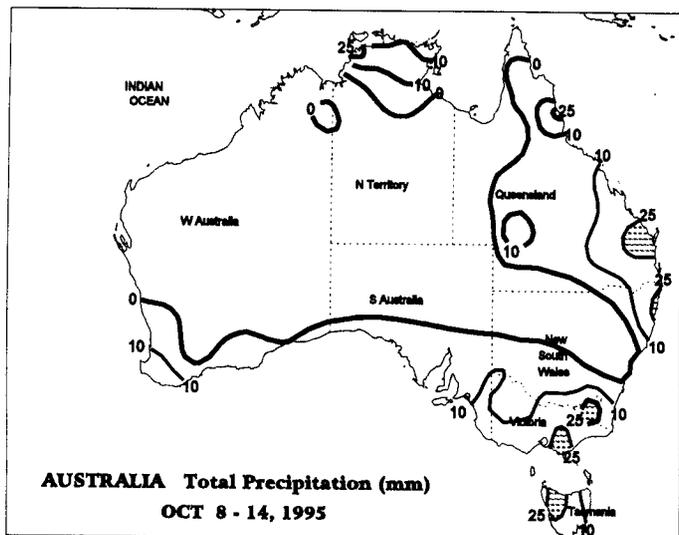
SOUTH ASIA

A tropical system rolled across southern India, bringing inundating rains (100-330 mm) to rice areas along the southeast coast (Andhra Pradesh and Orissa). Unseasonable, albeit less intense rains (50-106 mm) also fell along the southwest coast and sections of the interior. In general, however, the rain in the southern interior (5-50 mm or more) was beneficial for newly planted grains, oilseeds, and cotton. Elsewhere, mostly dry, warm weather favored maturing summer grains, oilseeds, and cotton. Early winter grain and oilseed planting was likely underway across the north. The southwest monsoon was withdrawing at about the normal pace. Showers associated with the retreating monsoon typically occur in southern India through November.



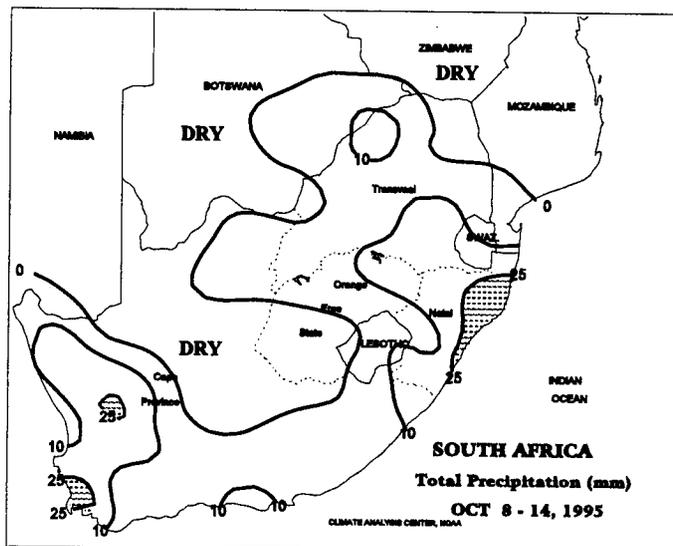
SOUTHEAST ASIA

Drier weather (5-25 mm) prevailed across northern Thailand, favoring main-season rice harvesting, while moderate showers (25-60 mm) prevailed across the south. Typhoon Ted brushed central Vietnam on October 12, producing very heavy showers (150-500 mm) and flooding. This portion of Vietnam is a minor rice-producing area. Mostly dry weather favored the 10th month rice harvest across the Red River Delta, while seasonal showers (60-120 mm) increased irrigation supplies across southern Vietnam. Drier weather (10-40 mm) covered most of the Philippines, easing flooding, especially across the central islands. Scattered showers (5-50 mm) fell across Java, increasing irrigation supplies for secondary crops.



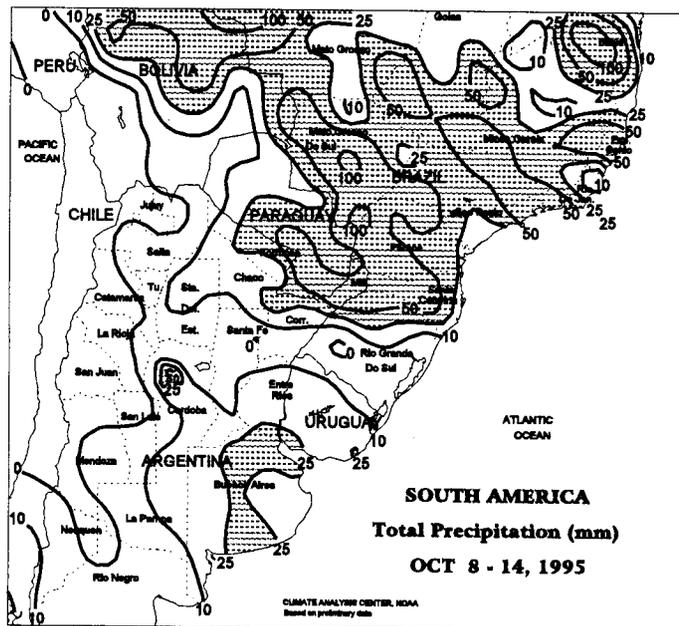
AUSTRALIA

Moderate showers (5-25 mm) pushed through southern Queensland's summer crop areas. While spurring planting activities in main cotton and sorghum areas, much more rain was needed to improve long-term moisture conditions. Somewhat heavier rain (10-50 mm or more) brought needed moisture to coastal sugarcane areas while slowing fieldwork. Farther south, warmer, drier weather aided maturing winter grains in northern New South Wales as scattered, mostly light rain (10 mm or less) benefited immature winter grains across the southeast. Mostly dry weather prevailed in Western Australia, further reducing moisture reserves for immature wheat and barley. In New Zealand, moderate to heavy rain (25-50 mm or more) covered the main pasture lands.



SOUTH AFRICA

Scattered showers (5-25 mm) lingered in the eastern corn belt, keeping topsoils moist for early planting. However, mostly dry, unseasonably warm weather continued elsewhere, hastening winter wheat maturity and inhibiting early planting in the western corn belt. Moderate rain (10-33 mm) swept through western wheat areas of Western Cape Province, but drier conditions in eastern crop areas favored maturation and early harvesting.



SOUTH AMERICA

In Argentina, moderate rain (10-30 mm) fell across main wheat and summer crop areas, aiding vegetative to reproductive wheat and increasing topsoil moisture for summer crop planting. Moderate rain (10-30 mm) also fell across the northern cotton areas, increasing topsoil moisture for planting, but moisture supplies were low due to the winter drought. Across southern Brazil, widespread showers (25-75 mm, with isolated amounts greater than 100 mm) covered the major crop areas, boosting topsoil moisture for corn and soybean planting and coffee and citrus development. Temperatures averaged 1 to 2 degrees C below normal across central Argentina and extreme southern Brazil and 1 to 3 degrees C above normal across east-central Brazil.

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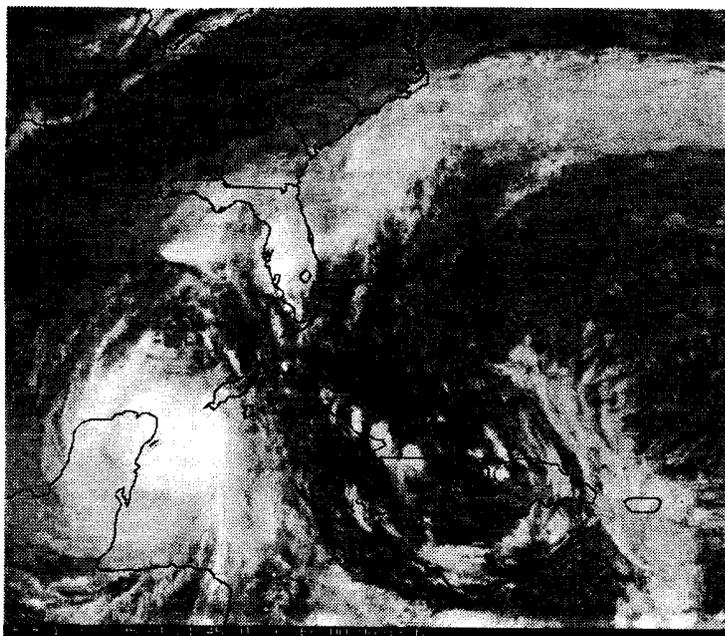
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(Continued from front cover)

On Tuesday, daily-record rains fell in Oregon at Astoria (2.03 inches) and Salem (1.35 inches). In addition, Astoria reported a peak gust to 43 mph. Farther east, daily-record warmth appeared at midweek from the Rockies to the Great Lakes. Among the 15 daily records on Wednesday were highs of 89°F in both Miles City, MT and Rapid City, SD. A day later, another 15 records were broken in the Midwest, including highs of 86°F in LaCrosse, WI and 83°F in Ft. Wayne, IN. While the cold front brought much cooler air to the Central States on Friday, 17 additional high temperature records were set or tied across the eastern third of the country, with temperatures as much as 20°F above normal in the Northeast. Saturday saw widespread rain up and down the eastern seaboard, as the intense cold front tracked to the coast.



Hurricane Roxanne's center approaches the coast of Yucatan on Tuesday, October 10, at 5:45 p.m. EST.

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