

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

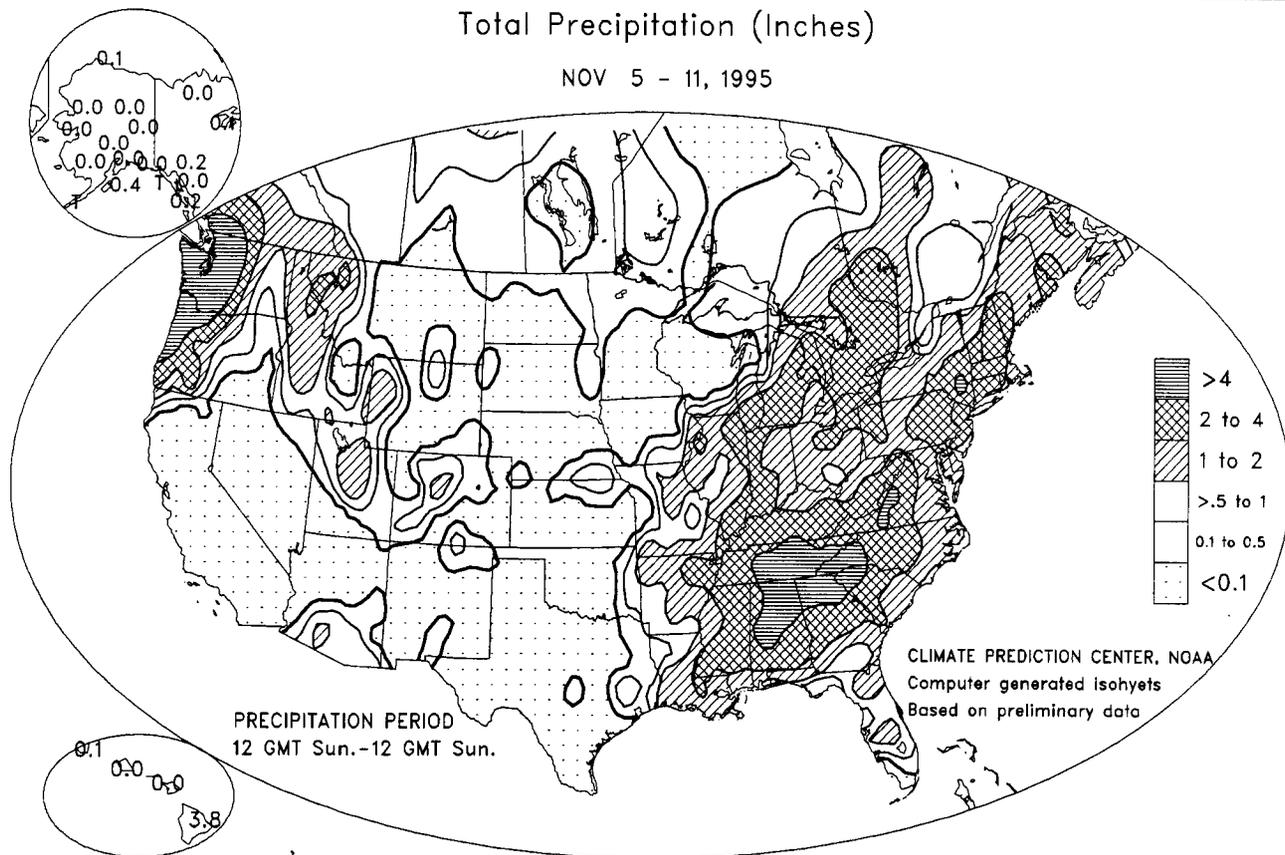
Volume 82, No. 46

Washington, D.C.

November 14, 1995

Total Precipitation (Inches)

NOV 5 - 11, 1995



HIGHLIGHTS

November 5 - 11, 1995

A pair of strong, fast-moving storms traversed the **northern United States** and **southern Canada**. Their active trailing cold fronts delivered wet, and occasionally violent, weather to the **East**; and windy weather with sharp temperature fluctuations to the **Plains**. Winter wheat in the **central and southern High Plains** continued to suffer from high winds and lack of soil moisture. Elsewhere, heavy rain caused flooding in the **Pacific Northwest**, while heavy snow blanketed peaks and passes from **Washington** to **Utah** and **Colorado**. Significantly above-normal temperatures were confined to the **West**, where a dozen daily-record highs were set.

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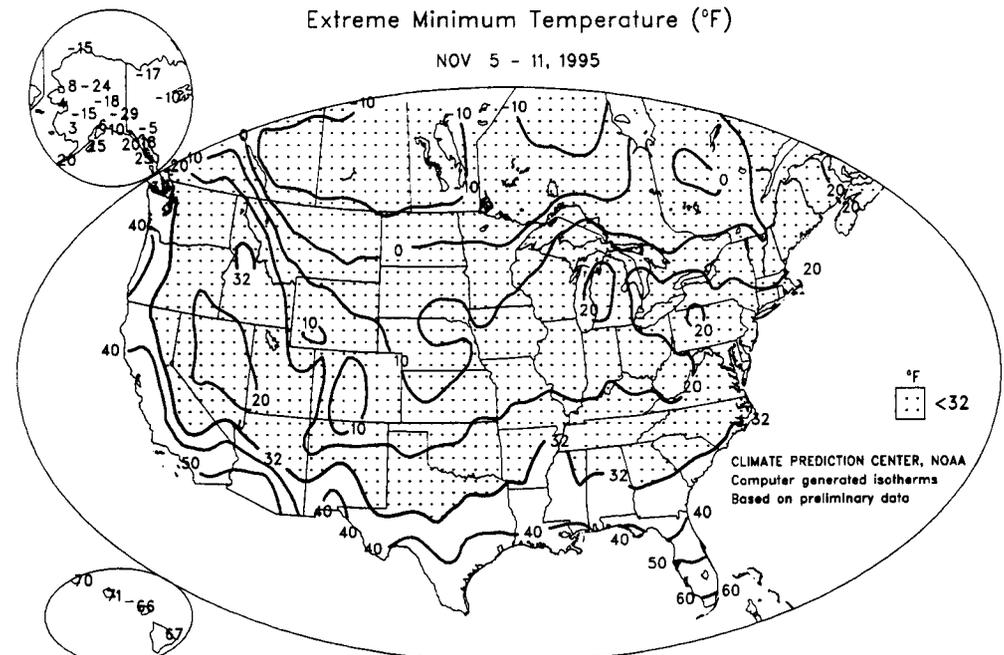
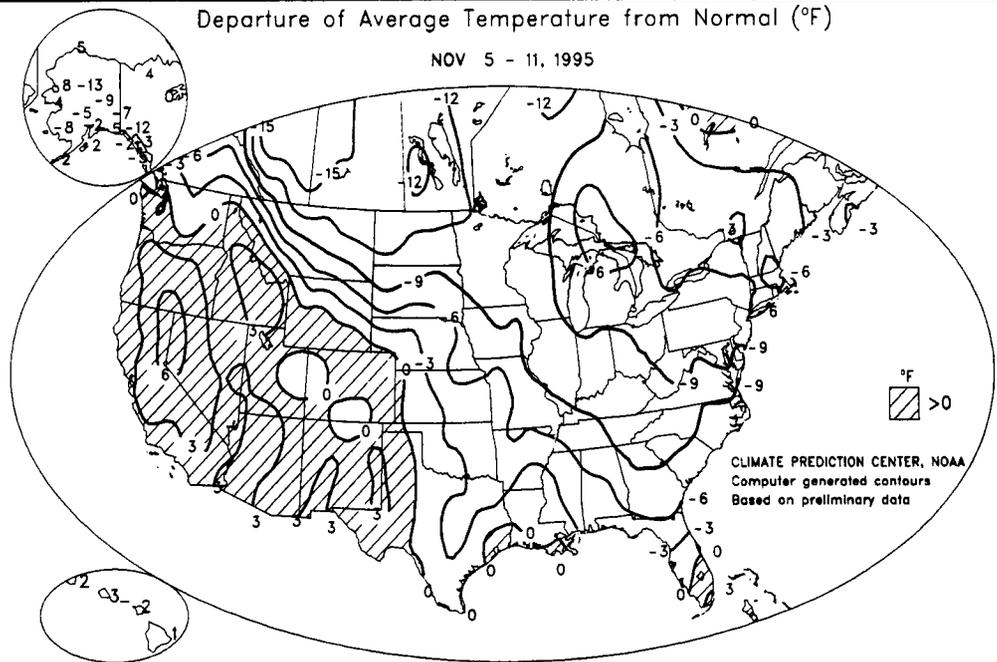
On Sunday, highs remained below freezing as far south as **Dayton, OH** (31°F), and climbed only to 50°F in **Charleston, SC** and 52°F in **Houston, TX**. In **Greenville-Spartanburg, SC**, a trace of frozen precipitation (sleet) fell 4 days earlier than ever recorded. Warmth quickly returned to the **South**, however, in advance of a strong cold front. On Tuesday, **Galveston, TX** notched a daily record (84°F), but farther east, thunderstorms--which spawned more than two dozen tornadoes--swept across the **Southeast**. Storm-total rainfall included 2.18 inches in **Muscle Shoals, AL** and 2.47 inches in **Clarksville, TN**. Most of the day's tornado reports came from the piedmont and coastal sections of the **Carolinas**. **Florence, SC**, which escaped a direct tornado hit by 3 miles, reported a thunderstorm wind gust to 75 mph. Cold air returned to the **Midwest** and **East** in the front's wake, setting or tying more than a dozen daily records on November 9-10. Lows on Thursday included 14°F in **Madison, WI** and 15°F in **Cincinnati, OH**. A day later, **Providence, RI** and **Atlantic City, NJ** both registered 22°F.

Daily-record warmth overspread the **West** at midweek, while torrential rainfall arrived west of the **Cascades**. On November 8, highs topped 80°F as far north as **Stockton, CA** (81°F) and reached 70°F in **Yakima, WA**. Serious flooding developed in the river basins of mainland **northwestern Washington**. Levels along the **Skagit River** approached record levels set in November 1990. Weekly precipitation, including additional heavy rainfall on November 10-11, reached 7.23 inches in **Quillayute, WA** and topped 5 inches in **Oregon** at **Portland** and **Astoria**. **Portland** received a November-record, 24-hour total of 2.80 inches on November 10-11, while **Astoria** clocked consecutive daily-record southerly wind gusts on November 10 (60 mph) and 11 (53 mph). In the **Washington Cascades**, **Stampede Pass** ended the week with a 14-inch snow cover, up from 3 inches at midweek.

In contrast, dry weather prevailed from **California** to the **Great Basin**, marking a further delay in the already-late arrival of the 1995-96 wet season. In the wake of their first completely dry October since 1887, the longest dry spell on record in **Reno, NV** stretched to 116 days by week's end. Farther east, however, the first major snowfall of the season blanketed **Utah's Wasatch Range** on November 9-10, leaving **Alta** with a 21-inch cover.

On Friday, temperatures in the **Plains** ranged from 96°F in **Cotulla, TX** to a daily-record low of -8°F in **Glasgow, MT**, as a cold front accelerated southward. A day earlier, highs reached daily-record levels in the **central Plains** at **North Platte, NE** (75°F) and **Garden City, KS** (80°F). But 36 hours later, on Saturday morning, **Hill City, KS** logged a daily-record low of 4°F. A 1- to 2-inch snow cover insulated winter wheat in **northern Kansas** and **southern/western Nebraska**. But wheat from **southern Kansas** to **Texas' Northern Panhandle** was exposed to lows of 10 to 20°F and received negligible precipitation.

A wave of low pressure developed on the cold front toward week's end, further enhancing the system's temperature contrast and precipitation shield. In **McAlester, OK**, an inch of snow covered the ground on Saturday morning, less than 18 hours after a high of 84°F. After a daily-record high (83°F) on Friday in **Tulsa, OK**, the temperature plummeted 50°F in less than 5 hours. Farther north, snow depths reached 4 inches in **Lincoln, NE**, **Kirkville, MO**, and **Madison, WI**. Heavy rain fell in the **Great Lakes** and **Eastern States** on Saturday, causing widespread, minor flooding, and pushing many weekly totals above 2 inches. Daily-record rainfalls were measured in **Greenville-Spartanburg** (1.60 inches) and **Williamsport, PA** (1.77 inches). A changeover to accumulating snow, preceded and accompanied by high winds, occurred from the **Great Lakes** into the **Northeast**. In **Williamsport**, winds gusted to 54 mph shortly before an inch of snow whitened the ground. Preceding the arrival of colder air on Saturday night, **Burlington, VT** (66°F) notched a daily-record high. Meanwhile, temperatures dipped to daily-record levels on Saturday evening in the **Midwest**, including 13°F in **Illinois** at both **Springfield** and **Peoria**. In contrast, daily-record warmth returned to the **West**, where highs rose to 76°F in **Sacramento, CA** and 75°F in **Reno**.



National Weather Data for Selected Cities

Weather Data for the Week Ending November 11, 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	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		.01 INCH OR MORE	.50 INCH OR MORE	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	60	38	68	31	49	-4	4.7	3.8	1.9	22.5	276	46.8	101	90	51	0	1	4	4	3	
MOBILE	68	46	76	38	57	-5	2.2	1.3	1.4	16.9	167	70.4	126	91	47	0	0	4	4	2	
MONTGOMERY	63	40	73	32	51	-6	1.9	1.1	.7	11.3	148	38.0	80	91	55	0	1	4	4	3	
AK ANCHORAGE	27	15	33	6	21	-2	.0	.3	.0	3.9	76	13.4	96	61	44	0	7	0	0	0	
BARROW	15	-2	28	-15	6	5	.1	.0	.1	.5	42	3.1	77	88	81	0	7	2	0	0	
FAIRBANKS	9	-13	15	-18	-2	-9	T	T	T	1.8	85	8.8	92	85	66	0	7	0	0	0	
JUNEAU	34	28	40	18	31	-3	T	-1.3	T	10.2	61	. . .	57	57	35	0	5	0	0	0	
KODIAK	38	30	42	25	34	-2	.4	-1.0	.3	29.8	181	81.6	143	69	44	0	7	2	0	0	
NOME	23	6	28	4	14	-4	T	.3	T	4.8	114	14.6	109	74	52	0	7	0	0	0	
AZ PHOENIX	77	57	81	56	67	2	.5	.4	.3	2.6	150	9.2	147	88	39	0	0	2	0	0	
PRESCOTT	68	37	75	32	53	6	T	-1.3	T	1.1	30	11.3	67	78	30	0	1	0	0	0	
TUCSON	74	52	81	49	63	1	.8	.7	.6	3.5	118	11.0	104	85	39	0	0	2	1	1	
YUMA	82	60	86	58	71	4	T	.0	T	.3	42	3.2	128	74	31	0	0	1	0	0	
AR FORT SMITH	61	39	80	28	50	-3	.7	.3	.5	7.2	85	34.5	97	84	47	0	1	2	1	1	
LITTLE ROCK	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	. . .	32.2	78	. . .	. . .	. . .	. . .	. . .	. . .	. . .
CA BAKERSFIELD	75	48	79	45	61	3	.0	.2	.0	T	0	7.9	170	77	37	0	0	0	0	0	
BUREKA	61	44	68	33	53	0	.5	.9	.5	1.7	30	37.9	140	93	52	0	0	0	2	0	
FRESNO	74	46	78	43	60	4	.0	.3	.0	T	0	15.2	185	88	33	0	0	0	0	0	
LOS ANGELES	72	58	76	54	65	2	.0	.4	.0	.1	9	21.1	231	90	44	0	0	0	0	0	
REDDING	72	42	77	36	57	2	T	-1.1	T	T	0	46.6	192	82	32	0	0	0	0	0	
SACRAMENTO	73	49	76	41	60	5	.0	.6	.0	T	0	23.8	181	91	38	0	0	0	0	0	
SAN DIEGO	71	57	73	54	64	1	.0	.3	.0	.3	29	16.2	220	92	60	0	0	0	0	0	
SAN FRANCISCO	68	49	75	47	58	2	T	.6	T	T	1	21.0	144	90	39	0	0	0	0	0	
CO DENVER	58	26	67	11	42	0	.1	.1	.1	3.1	121	15.8	111	74	27	0	6	1	0	0	
GRAND JUNCTION	59	32	65	26	46	0	.2	.1	.2	1.1	41	9.6	105	64	23	0	4	1	0	0	
FUERTE	63	19	75	11	41	-2	.1	.1	.1	1.5	89	15.3	146	73	23	0	7	1	0	0	
CT BRIDGEPORT	51	34	63	26	43	-6	.6	.3	.6	10.3	137	28.2	79	74	41	0	4	1	1	1	
HARTFORD	50	27	64	21	39	-6	1.7	.8	1.2	15.0	171	36.7	97	85	41	0	5	3	1	1	
DC WASHINGTON	52	34	67	31	43	-9	1.5	.7	1.2	14.4	192	34.8	104	78	44	0	2	2	2	1	
FL PANAMA CITY	70	48	80	42	59	-3	.7	.2	.6	9.2	87	45.7	79	87	49	0	0	2	1	0	
DAYTONA BEACH	77	56	84	44	66	-1	.8	.1	.4	19.4	167	50.1	115	97	54	0	0	3	2	1	
JACKSONVILLE	73	46	84	36	59	-7	1.9	1.3	1.4	11.0	93	46.8	104	92	52	0	0	2	2	2	
KEY WEST	84	74	88	68	79	2	T	.7	T	13.1	115	35.7	99	83	64	0	0	0	0	0	
MIAMI	85	69	87	59	77	2	.1	.7	.1	20.4	140	76.2	145	80	53	0	0	1	0	0	
ORLANDO	79	57	85	47	68	-1	.4	.1	.3	8.4	90	41.4	93	93	54	0	0	2	0	0	
TALLAHASSEE	71	43	82	36	57	-4	.7	.1	.5	10.0	103	47.7	82	90	53	0	0	2	0	0	
TAMPA	79	57	83	48	68	-1	.0	.3	.5	8.4	97	52.7	130	86	54	0	0	2	0	0	
WEST PALM BEACH	82	66	84	55	74	0	.3	.7	.3	18.9	115	61.3	111	85	57	0	0	1	0	0	
GA ATLANTA	57	35	67	30	46	-9	3.5	2.7	1.5	19.2	246	47.4	108	87	55	0	2	4	3	3	
AUGUSTA	62	36	73	29	49	-8	1.6	1.1	.7	13.4	198	43.6	110	95	48	0	2	3	2	2	
MACON	63	36	74	30	50	-8	1.3	.8	.7	8.5	146	37.6	98	95	49	0	1	3	2	2	
SAVANNAH	67	44	82	37	56	-5	.9	.4	.6	8.6	113	50.0	111	89	53	0	0	3	1	1	
HI HILO	82	68	85	67	75	1	3.9	.5	1.9	16.4	71	76.8	71	85	67	0	0	5	3	3	
HONOLULU	89	74	90	71	81	3	T	.7	T	1.2	29	11.5	71	85	52	1	0	0	0	0	
KAHULUI	88	70	91	66	79	2	.0	.5	.0	.5	21	10.0	63	88	53	2	0	0	0	0	
LIHOE	83	73	86	70	78	2	.4	.1	.1	16.1	184	32.2	94	91	70	0	0	4	0	0	
ID BOISE	53	38	59	27	46	3	.4	.1	.3	1.1	52	10.1	103	76	41	0	1	4	0	0	
LEWISTON	53	41	61	33	47	3	.4	.1	.3	3.5	166	14.7	140	78	48	0	0	3	0	0	
IL CHICAGO	52	35	65	28	43	5	.3	.1	.1	1.1	50	13.1	128	67	40	0	2	3	0	0	
MOLINE	44	24	55	17	34	-10	2.5	1.9	2.4	8.4	116	31.9	101	88	43	0	6	2	1	1	
PEORIA	43	24	54	14	33	-10	2.1	1.5	2.1	6.7	85	33.6	95	91	53	0	7	3	1	1	
QUINCY	43	25	60	13	34	-11	1.3	.7	1.3	7.1	94	33.4	104	93	57	0	6	2	1	1	
ROCKFORD	46	27	61	16	36	-10	1.2	.5	1.0	4.9	54	32.1	90	77	45	0	6	3	1	1	
SPRINGFIELD	40	22	49	16	31	-10	1.6	1.0	1.5	8.2	107	31.9	98	94	56	0	7	2	1	1	
IN EVANSVILLE	46	28	60	13	37	-10	1.0	.4	.8	4.3	63	30.2	98	88	50	0	5	3	1	1	
FORT WAYNE	53	31	62	20	42	-9	1.4	.4	1.1	4.6	60	43.0	109	83	48	0	5	3	1	1	
INDIANAPOLIS	45	25	55	16	35	-10	1.2	.6	.6	5.7	93	30.2	101	90	56	0	5	5	1	1	
SOUTH BEND	47	25	58	18	36	-10	2.0	1.2	1.2	5.8	88	32.6	95	88	54	0	6	5	1	1	
IA DES MOINES	45	28	55	17	36	-8	2.7	2.0	1.8	7.7	98	39.0	116	85	54	0	5	3	2	2	
SIOUX CITY	46	24	67	11	35	-6	.3	.2	.3	5.5	74	30.5	96	84	52	0	6	3	0	0	
WATERLOO	45	24	67	11	35	-6	T	.3	T	6.2	118	23.9	98	84	48	0	6	1	0	0	
KS CONCORDIA	53	23	55	14	33	-7	T	.4	T	6.0	87	28.9	92	88	54	0	7	2	0	0	
DODGE CITY	52	26	68	9	39	-6	.3	.0	.3	3.1	57	25.4	93	84	48	0	4	1	0	0	
GOODLAND	62	26	79	10	44	-3	T	.2	T	1.4	39	18.8	92	77	28	0	5	0	0	0	
TOPEKA	59	24	79	9	42	0	.1	.1	.1	2.4	86	19.8	114	73	32	0	6	1	0	0	
WICHITA	53	29	69	16	41	-5	T	.5	T	3.7	48	35.8	109	83	48	0	5	2	0	0	
KY BOWLING GREEN	59	32	73	18	46	-3	T	.5	T	2.3	31	33.8	105	80	40	0	3	1	0	0	
LEXINGTON	53	31	62	20	42	-8	1.9	1.0	.9	11.4	139	36.5	85	89	51	0	5	4	2	2	
LOUISVILLE	50	28	64	20	39	-10	1.2	.4	.7	8.2	119	46.0	120	81	49	0	5	4	1	1	
LA BATON ROUGE	50	30	61	22	40	-9	1.0	.2	.6	8.5	119	36.9	96	82	53	0	5	4	1	1	
LAKE CHARLES	72	49	82	39	60	-2	1.3	.4	.7	12.1	124	67.0	128	90	51	0	0	3	2	2	
LAKE CHARLES	74	53	84	41	63	1	1.0	.0	.8	11.8	106	55.9	119	96	59	0	0	3	1	1	
NEW ORLEANS	72	54	81	47	63	0	1.9	1.0	1.0	5.8	58	59.8	113	86	45	0	0	2	2	2	
SEKERSPORT	68	46	77	34	57	-1	.6	.4	.2	7.0	77	38.9	93	89	55	0	0	3	0	0	

Based on 1961-90 normals.

Weather Data for the Week Ending November 11, 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	TEMP. °F		PRECIP.	
																	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME CARIBOU	39	23	55	13	31	-4	1.3	.5	.9	9.1	116	29.9	96	86	52	0	0	7	2	1
PORTLAND	48	27	57	15	38	-4	1.1	-1.1	1.0	9.0	102	31.3	86	85	53	0	0	6	2	1
MD BALTIMORE	52	31	67	29	42	-8	1.2	.4	1.0	11.2	149	31.3	89	83	41	0	0	4	2	1
SALISBURY	54	29	70	23	42	-9	1.6	.8	.8	9.6	117	27.1	68	89	40	0	0	5	2	2
MA BOSTON	50	35	63	27	42	-6	1.1	1.1	1.0	12.1	154	28.8	83	76	42	0	0	2	2	1
CHATHAM	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
MI ALPENA	40	26	46	21	33	-6	1.9	1.4	.7	6.4	108	21.8	86	84	56	0	0	6	5	2
DETROIT	46	27	55	21	36	-7	1.0	.4	.6	6.6	111	25.8	92	82	52	0	0	5	5	1
FLINT	44	25	52	15	35	-8	1.8	1.2	.8	5.8	88	22.5	85	89	53	0	0	6	5	2
GRAND RAPIDS	43	28	52	21	35	-6	2.0	1.2	1.3	6.8	83	31.9	103	88	59	0	0	6	3	2
HOOVERTON LAKE	38	26	46	19	32	-7	1.8	1.3	.8	6.8	105	27.6	111	89	64	0	0	7	5	1
LANSING	44	26	52	18	35	-5	2.2	1.6	1.1	6.0	80	23.1	83	89	53	0	0	6	3	2
MARQUETTE	33	19	43	10	26	-8	.6	-1.1	-1.2	12.2	138	35.8	116	90	65	0	0	7	4	0
MUSKEGON	41	30	50	24	35	-7	2.7	2.0	2.0	8.3	107	26.5	96	87	57	0	0	5	5	1
SAULT ST. MARIE	37	22	42	10	30	-7	1.0	-2	-3	14.1	172	38.4	132	89	60	0	0	6	6	0
MN ALEXANDRIA	30	17	37	5	23	-11	T	-3	T	9.4	171	26.4	109	90	68	0	0	7	1	0
DULUTH	30	15	42	3	23	-10	.2	-3	.2	8.4	118	32.0	116	86	94	0	0	7	2	0
INT'L FALLS	25	8	37	-9	16	-13	.3	0	.3	7.5	133	22.6	99	90	63	0	0	7	2	0
MINNEAPOLIS	36	21	46	10	28	-9	.1	-3	.1	6.5	116	24.2	92	84	47	0	0	7	1	0
ROCHESTER	35	20	47	10	28	-9	T	-4	T	5.8	90	25.6	92	87	58	0	0	7	0	0
MS GREENWOOD	67	42	72	34	55	-2	.9	-2	.6	3.2	37	32.8	72	91	49	0	0	0	3	1
JACKSON	67	42	76	33	54	-3	3.3	2.3	1.6	12.2	156	51.5	113	93	53	0	0	0	5	3
MERIDIAN	65	41	73	32	53	-5	1.4	.5	.8	10.9	136	46.2	97	94	54	0	0	1	3	1
MO CAPE GIRARDEAU	54	35	63	25	45	-6	1.8	.9	.9	4.4	56	35.4	90	89	45	0	0	4	3	2
COLUMBIA	51	27	67	16	39	-8	1.1	.4	1.0	3.9	47	46.4	136	91	50	0	0	6	3	1
KANSAS CITY	50	29	67	16	40	-7	T	-5	T	3.1	35	33.8	97	88	48	0	0	5	1	0
SAINT LOUIS	51	32	65	23	41	-8	1.0	-3	.9	4.0	58	38.9	120	81	41	0	0	4	4	1
SPRINGFIELD	55	31	74	21	43	-6	.6	-3	.6	3.7	38	39.2	102	87	49	0	0	4	1	1
MT BILLINGS	43	21	57	7	32	-6	T	-2	T	2.0	70	15.0	109	81	50	0	0	6	1	0
GLASGOW	30	7	50	-8	19	-15	-1	0	-1	1.3	73	12.5	120	89	58	0	0	7	1	0
GREAT FALLS	42	14	62	-6	28	-9	-1	0	-1	2.1	92	14.0	100	88	55	0	0	7	4	0
HAVRE	30	11	49	-8	21	-13	-1	0	-1	2.1	111	15.3	148	86	59	0	0	7	1	0
HELENA	40	14	57	2	27	-8	.3	-2	-2	2.0	101	11.0	102	92	53	0	0	7	3	0
KALISPELL	37	24	45	12	30	-3	1.7	1.4	.9	5.3	206	18.0	130	92	62	0	0	7	4	1
MILES CITY	38	16	49	3	27	-9	.2	0	-1	1.3	53	12.0	91	90	58	0	0	7	2	0
MISSOULA	44	29	54	26	37	1	.5	.3	.2	4.2	198	13.3	113	88	57	0	0	6	6	0
NE GRAND ISLAND	51	22	74	6	36	-5	-1	-1	-1	3.9	85	23.6	100	88	47	0	0	6	2	0
LINCOLN	48	24	67	6	36	-6	.3	0	.3	4.0	66	23.0	86	86	47	0	0	6	1	0
NORFOLK	48	25	73	11	36	-4	T	-2	T	8.0	180	32.7	137	81	47	0	0	6	1	0
NORTH PLATTE	55	19	75	8	37	-2	T	-2	T	2.9	101	17.3	94	85	36	0	0	7	1	0
OMAHA	46	25	66	13	36	-7	T	-4	T	4.7	71	26.0	93	87	48	0	0	5	0	0
SCOTTSBLOUFF	53	24	66	12	39	-1	.2	0	.2	2.3	110	16.4	115	89	36	0	0	6	1	0
VALENTINE	52	25	69	11	38	-2	T	-2	T	4.7	120	21.8	102	77	37	0	0	5	0	0
NV RLY	57	23	65	19	40	3	T	-2	T	.6	29	10.7	118	73	22	0	0	6	1	0
LAS VEGAS	74	47	77	38	60	2	T	-1	T	.0	0	3.7	107	57	19	0	0	0	0	0
RENO	66	32	75	25	49	7	.0	-2	.0	0	10.0	169	74	27	0	0	5	0	0	0
WINNEMOCCA	61	30	70	20	45	5	T	-2	T	.1	5	8.1	120	63	27	0	0	4	1	0
NH CONCORD	46	22	64	11	34	-6	.9	0	.7	12.0	163	33.0	107	89	41	0	0	7	4	1
NJ ATLANTIC CITY	52	28	64	22	40	-8	1.3	.5	.7	10.8	194	31.8	92	86	44	0	0	6	2	2
NM ALBUQUERQUE	62	38	73	31	50	3	T	-1	T	2.4	114	5.5	68	83	29	0	0	1	0	0
CLOVIS	70	35	79	24	52	3	0	-2	0	2.1	56	9.9	60	77	21	0	0	3	0	0
ROSWELL	72	39	84	29	55	2	..	..	..	..	..	..	..	68	25	0	0	2	-	-
NY ALBANY	46	27	63	19	37	-6	.4	-.4	-.2	11.0	158	28.7	92	86	45	0	0	6	3	0
BINGHAMTON	42	25	60	21	34	-8	.3	-.5	-.2	10.9	148	28.4	89	85	49	0	0	7	2	0
BUFFALO	45	30	61	24	38	-6	1.9	1.0	1.4	9.7	122	29.3	90	81	45	0	0	4	4	1
NEW YORK	52	39	65	34	46	-.4	1.6	.7	.9	10.5	136	31.0	85	68	38	0	0	0	2	2
ROCHESTER	45	29	62	24	37	-6	1.0	.4	.4	8.6	133	25.7	84	86	49	0	0	5	5	0
SYRACUSE	45	28	65	19	37	-7	2.1	1.2	.8	12.1	145	27.5	82	85	56	0	0	5	5	2
NC ASHEVILLE	52	29	62	22	41	-9	2.6	1.6	1.5	12.3	117	53.4	109	86	41	0	0	6	3	2
CHARLOTTE	54	34	64	26	44	-11	2.7	2.0	1.5	13.6	170	45.9	122	92	44	0	0	4	3	2
GREENSBORO	52	31	63	25	42	-10	2.4	1.7	1.4	11.0	135	39.3	105	89	41	0	0	5	2	2
HATTERAS	..	..	..	..	..	..	3.1	1.8	..	..	..	..	..	..	..	..	..	..	..	..
NEW BERN	61	40	72	33	51	-6	1.4	.7	1.0	11.4	124	28.9	60	86	45	0	0	0	2	1
RALIGH	56	34	67	27	45	-9	2.5	1.8	1.7	15.5	219	46.0	127	92	40	0	0	4	2	2
WILMINGTON	62	38	74	31	50	-8	.7	0	.5	17.4	194	62.6	123	90	47	0	0	1	2	1
ND BISMARCK	32	12	48	0	22	-11	-1	0	-1	2.2	86	18.1	123	84	59	0	0	7	4	0
FARGO	29	15	39	1	22	-11	.2	0	-.2	5.2	130	20.4	111	86	63	0	0	7	2	0
GRAND FORKS	27	13	38	-2	20	-11	-.2	0	-.2	5.3	138	24.8	143	88	62	0	0	7	2	0
WILLISTON	30	6	51	-9	18	-13	.3	-.2	-.2	1.4	59	13.9	109	85	57	0	0	7	2	0
OH AKRON-CANTON	44	26	61	19	35	-10	.9	.3	-.4	7.1	106	33.1	104	80	47	0	0	5	3	0
CINCINNATI	48	25	60	15	36	-11	1.3	.5	.9	8.5	122	39.9	111	83	53	0	0	5	4	1
CLEVELAND	47	30	59	22	39	-7	2.6	1.9	1.1	8.5	120	37.1	118	84	52	0	0	5	4	3
COLUMBUS	46	25	62	17	36	-8	1.6	.9	1.0	7.2	109	42.9	132	83	44	0	0	5	3	2
DAYTON	46	24	58	16	35	-11	1.6	.9	1.0	8.7	142	48.4	153	83	53	0	0	5	4	1

Based on 1961-90 normals.

Weather Data for the Week Ending November 11, 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		
														90 AND ABOVE				32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
TOLEDO	46	28	56	20	37	-6	2.2	1.6	1.4	8.0	134	30.6	108	89	52	0	0	5	4	2
YOUNGSTOWN	44	27	62	20	36	-8	1.7	1.1	1.5	7.2	100	27.9	86	85	49	0	0	5	3	1
OK OKLAHOMA CITY	64	36	83	23	50	-2	3.3	1.5	7.9	100	30.7	100	84	41	0	0	3	1	0	
TULSA	61	37	83	23	49	-4	3.6	1.2	6.9	72	40.8	112	80	41	0	0	3	2	0	
OR ASTORIA	55	44	57	37	50	1	5.2	3.0	1.4	14.7	123	52.7	107	99	85	0	0	7	7	4
BURNS	52	28	61	20	40	4	1.1	1.1	.4	20	10.2	128	88	46	0	0	5	2	0	
MEADFORD	57	42	67	37	50	3	1.4	1.3	.8	22	15.0	113	92	49	0	0	0	0	0	
PENDLETON	56	40	68	32	48	4	1.4	1.1	2.1	105	13.6	145	83	53	0	0	1	5	3	
PORTLAND	55	45	60	39	50	2	5.5	4.4	2.4	10.0	163	32.4	122	95	80	0	0	0	0	0
SALEM	55	46	60	42	50	4	3.7	2.3	2.0	9.6	146	35.9	127	99	84	0	0	6	2	1
PA ALLENTOWN	48	26	66	21	37	-9	1.7	.8	1.4	12.2	148	34.4	92	84	43	0	0	3	2	1
ERIE	45	31	57	26	38	-8	2.2	1.3	1.1	9.7	101	30.0	85	81	46	0	0	5	3	2
HARRISBURG	50	33	66	27	41	-6	1.1	.3	.8	8.5	111	30.3	67	83	46	0	0	3	2	1
PHILADELPHIA	52	33	69	29	42	-6	1.1	.2	.8	11.0	126	27.5	69	87	50	0	0	4	2	1
PITTSBURGH	48	27	67	20	38	-7	1.9	.2	.6	6.4	101	25.9	81	75	40	0	0	5	4	1
SCRANTON	46	29	64	23	37	-7	1.6	.9	1.4	11.3	156	26.4	83	77	42	0	0	7	2	1
RI PROVIDENCE	51	31	62	22	41	-6	1.2	.2	1.1	12.6	144	33.5	87	83	49	0	0	3	2	1
SC CHARLESTON	65	41	77	35	53	-7	1.3	.7	1.0	12.8	151	47.9	103	87	49	0	0	3	2	1
COLUMBIA	62	38	70	29	50	-7	1.5	.9	.8	11.6	149	52.4	118	94	43	0	0	2	3	2
FLORENCE	64	39	74	30	51	-6	1.7	.1	.7	12.9	146	44.0	113	90	43	0	0	2	1	1
GREENVILLE	54	33	64	27	43	-10	3.1	2.2	1.6	12.6	136	37.4	128	92	51	0	0	5	3	2
SD ABERDEEN	34	17	47	3	26	-9	.9	.2	.2	4.7	128	87	87	57	0	0	7	1	0	
HURON	39	19	51	7	29	-7	.2	.2	.2	5.3	150	39.2	152	83	48	0	0	7	2	0
RAPID CITY	44	18	58	7	31	-7	1.1	.1	.2	4.7	89	30.0	133	84	52	0	0	6	1	0
SIOUX FALLS	40	22	54	10	31	-6	.2	.2	.2	11.3	156	26.4	83	77	42	0	0	7	2	0
TN CHATTANOOGA	55	33	63	28	44	-9	2.8	1.8	1.2	16.6	187	50.6	112	91	46	0	0	4	4	3
KNOXVILLE	53	31	63	24	42	-9	2.3	1.5	1.0	10.4	145	38.5	96	87	49	0	0	5	3	3
MEMPHIS	62	40	69	34	51	-4	3.2	2.1	1.3	8.7	106	48.3	113	91	49	0	0	5	3	3
NASHVILLE	54	33	63	27	44	-9	2.7	1.8	1.2	14.2	192	46.2	116	87	53	0	0	5	4	3
TX ABILENE	69	43	84	29	56	-2	.2	.2	.2	3.5	54	22.7	101	80	36	0	0	1	0	0
AMARILLO	70	33	82	18	51	2	.2	.2	.2	3.1	83	17.5	94	69	22	0	0	2	1	0
AUSTIN	74	51	82	40	60	-4	.2	.2	.2	6.2	80	32.1	112	92	54	0	0	0	0	0
BEAUMONT	69	43	84	29	56	-2	.2	.2	.2	9.6	78	49.2	100	96	53	0	0	5	0	0
BROWNSVILLE	78	60	86	48	69	-1	.2	.2	.2	11.1	118	26.4	108	96	56	0	0	0	0	0
CORPUS CHRISTI	75	58	88	48	66	-1	.2	.2	.2	14.1	152	33.3	119	93	49	0	0	0	0	0
DEL RIO	73	52	83	46	62	0	.0	.0	.0	5.2	82	13.5	59	79	47	0	0	0	0	0
EL PASO	70	46	76	42	58	3	.3	.2	.2	3.5	131	7.9	98	79	31	0	0	0	2	0
FORT WORTH	67	43	84	32	55	-2	.2	.2	.2	3.0	31	33.3	99	84	48	0	0	1	0	0
GALVESTON	74	62	84	53	68	2	.2	.2	.2	7.2	73	31.9	87	90	58	0	0	0	1	0
HOUSTON	75	53	85	39	64	1	.5	.7	.5	6.3	52	37.0	81	90	51	0	0	0	1	1
LUBBOCK	71	38	82	25	55	2	.0	.2	.0	8.7	180	18.5	104	79	26	0	0	2	0	0
MIDLAND	74	42	83	30	58	2	.0	.2	.0	2.1	43	10.7	75	79	27	0	0	1	0	0
SAN ANGELO	72	44	85	34	58	0	.2	.3	.2	4.2	67	19.4	101	82	37	0	0	0	1	0
SAN ANTONIO	71	49	89	37	60	-2	.2	.7	.2	4.9	63	20.9	75	88	45	0	0	0	1	0
VICTORIA	75	54	87	43	65	0	.2	.9	.2	7.6	63	29.2	73	92	46	0	0	0	0	0
WACO	69	44	83	31	57	-4	.2	.6	.2	4.6	58	34.4	120	86	50	0	0	1	2	0
WICHITA FALLS	68	39	85	28	54	-2	.2	.4	.2	5.8	71	25.7	87	81	39	0	0	1	0	0
UT CEDAR CITY	62	29	69	21	46	3	.0	.3	.0	1.2	52	11.6	114	64	22	0	0	5	0	0
SALT LAKE CITY	58	34	69	32	46	2	.7	.4	.7	2.6	80	15.6	111	68	31	0	0	2	2	1
VT BURLINGTON	47	31	66	16	39	-1	.3	.4	.3	9.8	133	27.3	91	74	43	0	0	4	3	0
VA NORFOLK	57	37	71	30	47	-8	1.5	.8	.8	12.2	151	33.3	84	79	42	0	0	2	2	2
RICHMOND	53	32	68	25	43	-10	1.7	.9	1.0	11.1	138	32.0	84	87	34	0	0	5	2	2
ROANOKE	53	30	61	22	41	-9	1.5	.7	.8	7.3	85	36.5	101	78	36	0	0	5	2	2
WA QUILLAUETTE	52	38	57	34	45	0	7.2	3.9	3.5	23.3	114	77.6	97	99	79	0	0	7	5	4
SEATTLE-TACOMA	52	42	57	38	47	0	4.3	3.1	1.9	9.2	130	30.2	110	95	72	0	0	0	6	4
SPOKANE	47	31	57	26	39	1	.6	.1	.3	4.1	174	18.5	146	88	62	0	0	6	3	0
YAKIMA	52	28	70	17	40	-2	.1	.1	.0	1.1	95	7.1	121	91	63	0	0	5	3	0
WV BECKLEY	48	26	59	17	37	-9	2.1	1.5	1.5	9.0	124	37.5	105	84	42	0	0	5	3	2
CHARLESTON	52	27	70	20	40	-9	1.2	.4	.7	6.9	93	41.0	111	91	53	0	0	6	2	2
HOPKINGTON	52	28	71	19	40	-7	.7	.1	.5	7.4	100	38.0	101	82	37	0	0	5	2	0
PARKERSBURG	50	28	70	19	39	-8	.3	.4	.3	5.8	88	--	--	85	43	0	0	5	1	0
WI GREEN BAY	39	23	45	16	31	-7	.1	.4	.1	9.5	145	27.8	107	81	52	0	0	6	3	0
LACROSSE	39	24	48	16	31	-8	.2	.4	.2	6.5	96	28.9	102	81	54	0	0	6	1	0
MADISON	40	22	52	13	31	-9	.7	.2	.6	7.9	114	31.5	108	84	54	0	0	7	3	1
MILWAUKEE	43	25	53	17	34	-7	1.5	.9	1.2	8.1	121	28.9	99	84	52	0	0	6	4	1
WAUSAU	34	21	41	12	27	-9	.2	.5	.2	7.2	92	32.3	107	85	52	0	0	6	0	0
WY CASPER	48	23	57	9	35	-1	.2	.0	.2	3.9	176	18.3	161	75	41	0	0	5	2	0
CHEYENNE	50	27	61	15	39	1	.2	.1	.2	4.3	192	19.6	144	67	33	0	0	4	1	0
LANDER	51	24	63	17	37	3	.1	.1	.1	3.1	120	18.1	151	78	28	0	0	7	1	0
SHERIDAN	46	14	60	0	30	-6	.3	.1	.2	4.2	145	16.6	124	90	46	0	0	7	3	0
PR SAN JUAN	87	75	88	74	81	0	.9	.5	.8	15.3	116	50.8	116	90	66	0	0	0	3	1

Based on 1961-90 normals.

October Weather in Historical Perspective

Nationally, both precipitation and temperature averaged near normal, belying a regional polarization of both parameters. Moisture conditions ranged from near-record October dryness in the West and Southwest to excessive wetness in the Northeast and Southeast (table 1). Regional temperature rankings ranged from 17th coldest in the Northwest to 10th warmest in the Northeast.

The national precipitation average of 2.15 inches was the 47th highest value on record, and 0.01 inches below the 30-year normal

(fig. 1). Broken down, however, record or near-record dryness encompassed eight States from California to Missouri. In contrast, nine States from Alabama to New England recorded top-ten wetness.

The Nation's average temperature of 54.7°F was the 50th-lowest reading since 1895, and 0.3°F above the 1961-90 normal (fig. 2). But in the Northeast, five States (ME, NH, NY, RI, and VT) marked one of their ten warmest Octobers (fig. 3).

Table 1. Temperature/Precipitation Rankings for October 1995 Based on the Period 1895-1995 1 = Driest/Coldest, 101 = Wettest/Hottest		
Region	Precipitation	Temperature
Northeast	95	92
East North Central	83	47
Central	63	63
Southeast	94	73
West North Central	80	25
South	17	46
Southwest	2	48
Northwest	50	17
West	3	69
National	55	50

Figure 1

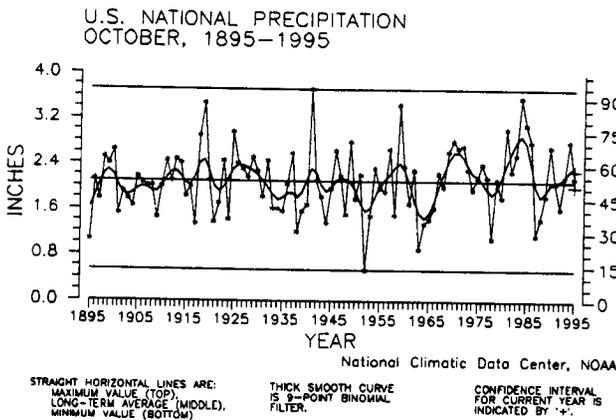


Figure 2

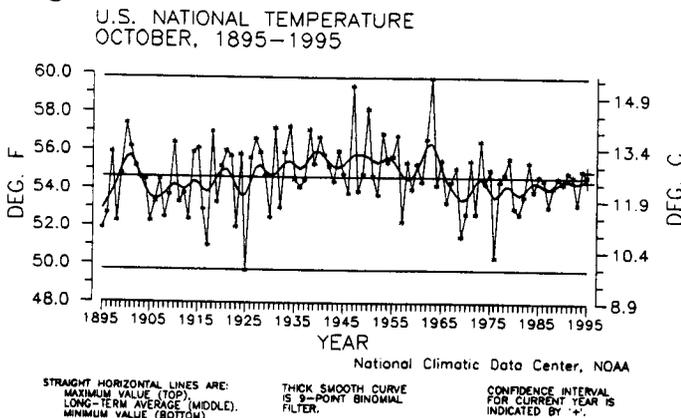
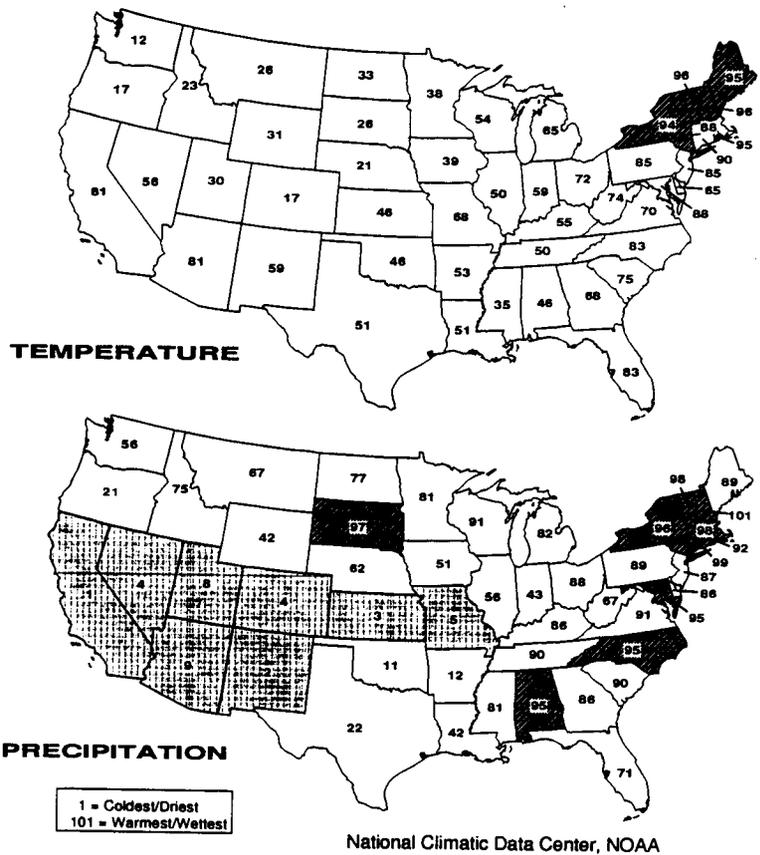
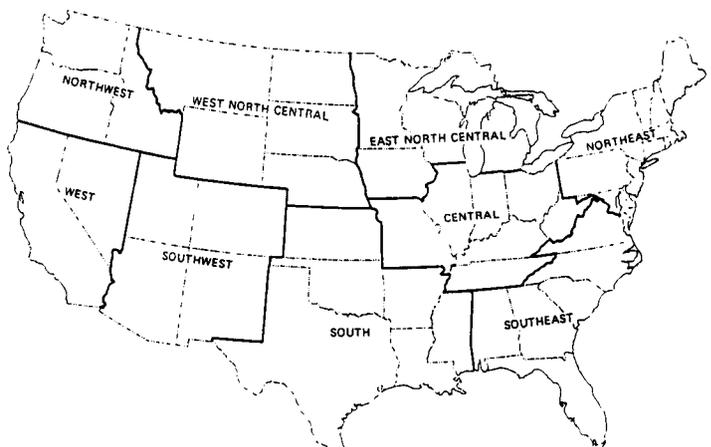


Figure 3
OCTOBER 1995 STATEWIDE RANKS



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 November 6 - 12, 1995

Favorable conditions across the Nation for much of the week allowed the row crop harvests to advance toward completion. Rain and snow at the end of the week delayed

fieldwork across the eastern third of the Nation. Dry conditions remained over the southern Great Plains, causing stress to the winter wheat crop.

The **winter wheat** crop emerged in the 19 major producing States was 84 percent (%) complete, up 5 percentage points from the previous week and equal to the 5-year average. Dry conditions hindered crop emergence in southwest Missouri and hindered growth in Kansas and Texas. Continued wet conditions hindered planting in the Southeast. Wheat condition in the 19 major producing States declined from last week and was rated as 54% good to excellent. Crop condition in Oklahoma, Texas, and Kansas declined due to continued dry weather.

Cotton harvested at 71% complete was up 6 points from the previous week and 1 point behind the average. The harvest advanced by at least 10 points in California, the Southwest, and Oklahoma. Rains hindered harvest activities in the Southeast and Arizona. Producers in Texas reported some greenboll problems.

The **corn** crop in the 17 major producing States was 94% harvested, up 7 points from the previous week and 12 points ahead of the average. Dry, cold conditions early in the week, allowed the harvest to increase by at least 10 points in Colorado, Nebraska, South Dakota, Minnesota, Michigan, and Ohio. Only in Missouri and Texas is harvest progress behind the average. More cold weather is needed in Wisconsin to freeze wet fields and allow the harvest to finish.

Sorghum acreage harvested at 95% complete, up 4 points from last week, was 6 points ahead of the average. The recent cold conditions in Oklahoma allowed fields to dry down and the harvest to increase by 29 points. Continued cold, dry conditions are needed in South Dakota to finish the harvest.

Soybeans harvested at 94% complete was up 3 points from the previous week and 2 points ahead of the average. Weekend rains in the Southeast hindered the harvest. Progress in the Southeast was 14 to 29 points behind the average.

Corn Percent Harvested

	Nov 12 1995	Prev Week	Prev Year	5-Yr Avg
CO	90	74	94	80
GA	100	99	99	100
IL	98	94	90	88
IN	97	93	86	79
IA	97	89	94	85
KS	98	95	99	95
KY	98	97	94	93
MI	90	76	58	55
MN	95	85	93	82
MO	87	78	88	88
NE	90	80	96	84
NC	99	98	100	97
OH	91	81	79	71
PA	89	80	64	59
SD	85	89	89	78
TX	99	98	100	100
WI	88	80	81	65
ALL	94	87	90	82

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

Cotton Percent Harvested

	Nov 12 1995	Prev Week	Prev Year	5-Yr Avg
AL	90	86	63	82
AZ	70	60	91	86
AR	96	91	89	89
CA	70	50	89	90
GA	75	74	53	73
LA	100	99	92	96
MS	100	99	90	91
MO	93	89	95	90
NM	56	45	66	53
NC	64	55	73	71
OK	26	15	76	50
SC	61	53	66	76
TN	84	80	84	87
TX	54	49	64	53
ALL	71	65	75	72

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

Sorghum Percent Harvested

	Nov 12 1995	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	99
CO	91	84	84	74
IL	94	86	93	89
KS	98	93	97	87
LA	100	100	100	100
MS	100	100	100	100
MO	86	82	87	89
NE	100	99	99	91
NM	57	50	75	58
OK	76	47	55	73
SD	82	81	95	93
TX	96	94	95	93
ALL	95	91	94	89

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

(Continued on back cover)

State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. 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 1.89 to 5.59 in. north; 1.33 to 4.74 in. central; 1.45 to 3.18 in. south. Temperatures 3 to 11° below normal statewide. Lows 22 to 30° north, 24 to 33° central; 24 to 34° south. Highs 60 to 70° north, 64 to 74° central; 75 to 78° south.

Days suitable for fieldwork 2.5. Topsoil 51% adequate, 49% surplus. Sorghum harvested 74%, 70% 1994, 88% avg. Livestock 2% very poor, 3% poor, 22% fair, 67% good, 6% excellent. Activities: Harvesting row crops, vegetables. General care of livestock, poultry, catfish.

ARIZONA: Temperatures 1 to 6° above normal. Extremes 20°; 79° higher elevations; 34°; 88° deserts. Precipitation most stations 0.01 to 0.83 in.

Showers slowed cotton harvest activity. Alfalfa 35% fair, 36% good, 29% excellent; harvest 12% moderate, 11% active, 77% finished or between cuttings. Sheepling off increasing. Cantaloupe, honeydew, broccoli, green onion, mixed green, spinach, sweet corn, chili pepper, radish harvest continued central areas. Tomatoes, head lettuce, chili peppers were shipped eastern fields. Cantaloupe, honeydew, leaf lettuce, romaine, head lettuce were harvested western areas. Grapefruit, lemons harvested from central, western orchards. Navel orange, tangerine harvest progressed central areas. Apple harvest finished eastern areas. Pistachios, pecans were shipped from eastern groves.

ARKANSAS: Temperatures below normal, rainfall over most of the State. Extremes 19°; 80°. Precipitation 0.32 to 5.15 in.

Days suitable for fieldwork 4. Soil moisture 22% short, 65% adequate, 13% surplus. Main farm activities: Picking, ginning cotton, harvesting soybeans, planting wheat, oats. Picking, ginning cotton continued numerous counties. Cotton ginning ongoing twenty-four hours a day. Several gins have completed ginning. Soybean harvest progressed across the State. Wheat, oats, fall pasture planting continued. Hay feeding ongoing.

CALIFORNIA: Light precipitation fell, northernmost area, some weak weather systems. Temperatures generally above normal throughout areas, weak high pressure lingered, much of week.

Field activities progressed rapidly under favorable weather, most areas. Rice harvest, virtually complete. Rice stubble chopped, disced, burned, conditions permitted. Cotton harvest active, San Joaquin, Sacramento valleys, shredding, discing for pink bollworm control followed. Defoliation still underway, few fields. Desert area cotton harvest, virtually complete. Corn for grain, silage harvest winding down. Black eye bean harvest neared completion. Sugar beet planting ongoing, Fresno, Kern counties. Ground preparation, fall-planted small grains, forage crops continued. Wheat, barley, oats, winter forages, new alfalfa seeded, soil moisture conditions permitted. Established alfalfa cut, baled; many areas, final cutting. Picking kiwifruit, Fuji, Granny Smith variety apples continued. Table grape harvest declined. Persimmon, pomegranate, quince packing active. Pecan harvest underway. Olives still harvested, Kings, Tulare counties. Many nut, stone fruit trees pruned. Fumigation, tree holes continued, orchard planting sites. Navel orange harvest continued, slow pace; maturity, behind normal. Pummelo picking, packing continued, Tulare County. Satsuma mandarins harvested. Lemon, grapefruit picking continued. Cauliflower, parsley, celery harvested along central coast. Kern County potatoes harvested, some cut for seed. Melons picked, Imperial Valley. Broccoli harvest began, San Joaquin Valley; continued, central coast area. Tulare, San Luis Obispo counties lettuce harvest, full swing. Lettuce harvest reached peak, Fresno County. Bell peppers harvested, San Joaquin County. Fresh market tomato harvest continued, Kings County; final picking, San Joaquin County. Ground work, next year's processing tomato crop ongoing. Strawberries picked, San Joaquin, Sacramento valleys. Onions transplanted, San Joaquin County. Early fall sweet corn harvest, Kern County completed. Garlic, carrots planted, San Joaquin Valley. Tehachapi area carrot harvest continued. Cabbage harvesting continued, San Joaquin Valley. Other crops harvested: Okra, cucumbers, oriental vegetables, eggplant, zucchini, sugar peas. Rangeland, pastures, generally dry condition. Because of

declining condition, supplemental feeding, livestock underway. Fall calving, lambing remained active. Sheep grazed alfalfa, stubble fields, some areas. Livestock, good condition.

COLORADO: Two cold fronts moved across the State, which kept temperatures below normal for the entire week. Precipitation came mostly in the form of snow as 2 to 6 in. accumulations were reported in the northeast on the 10th. Windy conditions existed on the 11th to 12th along the northern Front Range, adjacent plains.

Days suitable for fieldwork 5.5. Topsoil 15% very short 31% short, 52% adequate, 2% surplus. Subsoil 16% very short, 32% short 51% adequate 1% surplus. Livestock mostly good to excellent.

DELAWARE: Precipitation 0.51 in. normal 0.76 in. Temperature 41.3°, normal 50.3°. Extremes 22°; 76°. High temperatures from the mid 50s to mid 70s. Lows in the low to mid 20s.

Days suitable for fieldwork 4.5. Topsoil 90% adequate, 10% surplus. Subsoil 35% short, 65% adequate. Soybeans 60% harvested, 66% 1994, 69% avg. Barley 1% fair, 75% good, and 24% excellent; 97% planted, 99% 1994, 96% avg. Rye 100% excellent; 67% planted, 88% 1994, 90% avg. Wheat 2% fair, 74% good, 24% excellent; 76% planted, 81% 1994, 81% avg. Other hay 75% 4th cutting, 97% 1994, 94% avg. Hay supply short to adequate. Field crop harvest, planting of small grains.

FLORIDA: Cool week most of Florida, wet in the north. Rain 2 to 3 days north, 1 to 2 days central, south. Rain 1.00 to 2.00 in. north, some west central locations, generally under 1.50 in. south. Temperatures 4 to 8° below normal north, 2 to 4° below normal central, southwest, 1 to 5° above normal southeast. Lows; lower 30s, north to low, middle 50s in the interior of the south. Highs upper 80s southeast coast.

Topsoil moisture mostly adequate to surplus Panhandle, short to adequate northern Peninsula. Central, southern Peninsula adequate to surplus. Cotton harvest delayed by rain. Peanut harvest virtually complete. Haying winding down. Sugar cane harvest, planting active. Soybean harvest active. Growers making preparation for wheat for grain planting. Cooler, drier weather boosted vegetable growth, development over southern Peninsula. Vegetable harvest increasing to meet Thanksgiving demand. Most northern vegetable harvests nearing completion as near freezing temperatures begin to arrive. Vegetables available: Tomatoes, cucumbers, squash, peppers, sweet corn, snap beans, eggplant, cherry tomatoes, watermelons, radishes, okra, endive/escarole, lettuce, strawberries, celery, cabbage, greens, peas. Most citrus areas dried out from earlier rains. Some growers irrigating with low volume equipment. Harvest a little slow due to lagging maturity; however, fresh utilization is increasing. Processing plants receiving grove run oranges. Caretakers are cutting cover crops, along with limited spraying, fertilization. Cattle fair 5%, good 95%.

GEORGIA: Cold week with temperatures 5 to 10° below normal. Freezing temperatures, frost over most of State. Coldest temperatures low to mid 20s northeast mountains, upper 20s remainder of north, east central, mostly low 30s elsewhere. Warmest temperatures low 60s mountains to low to mid 80s extreme south. Wet week most of State, over 1.00 in. of rain. Rain totals of 3.00 to 5.00 in. common mountains with 2.00 to 4.00 in. remainder of north, parts of west central. Rain totals rest of central, south mostly in 1.00 to 2.00 in. Rain on 2 to 4 days, with most frequent rains over north.

Days suitable for fieldwork 3.1. Soil moisture 1% very short, 1% short, 48% adequate, 50% surplus. Rain causing planting, harvesting delays across most of the State. Cattle producers beginning to feed hay. Cotton 1% very poor, 4% poor, 64% fair, 31% good; 98% open bolls, 97% 1994, 98% avg. Peanuts 99% threshed, 99% 1994, 99% avg. Rye 90% planted, 82% 1994, 80% avg. Sorghum 2% poor, 66% fair, 32% good; 91% harvested for grain, 94% 1994, 92% avg. Soybeans 1% very poor, 9% poor, 47% fair, 43% good; 100% dropping leaves, 100% 1994, 100% avg. Wheat

32% planted, 19% 1994, 22% avg. Other small grains 28% fair, 71% good, 1% excellent; 70% planted, 62% 1994, 59% avg. Onions 10% transplanted, 16% 1994, 18% avg. Other vegetables 10% poor, 48% fair, 42% good. Apples 96% harvested, 100% 1994, 97% avg. Pecans 1% very poor, 3% poor, 72% fair, 24% good; 46% harvested, 47% 1994, 42% avg. Cattle 28% fair, 72% good. Hogs 29% fair, 71% good. Activities: Over seeding pastures, initial preparation of tobacco beds, spraying turnips, collards, harvesting pecans, routine care of livestock, poultry.

HAWAII: Variable conditions. Wind direction shifted from weak trade winds to southeasterly, bringing tropical moisture stream up the island chain early in week dropping light to moderate showers along the way. A low pressure system west of Kauai moved slowly east, combined with the westerly moving moisture stream caused heavy rainfall over that island toward the latter half of the week. Temperatures above normal, lower 70s to lower 90s. Rainfall none to 14.40 in.

Heavy rains, flooding stopped general farm activities, cleanup work from previous weeks flooding, island of Kauai. Heavy irrigation necessary other areas of State not affected by storm. Voluntary water conservation measures still in effect in some areas.

IDAHO: Temperatures 1° below normal to 8° above normal. Most areas above normal. Precipitation 0.27 to 2.47 in. north, 0.04 to 0.23 in. southwest, 0.02 to 0.32 in. south central, none to 0.23 in. southeast. Most areas received precipitation with some areas receiving up to a foot of snow. Extremes 5°; 68°.

Days suitable for fieldwork 5.0. Topsoil 1% very short, 25% short, 68% adequate, 6% surplus. Corn harvested for grain 53%, 76% 1994. Sugar beets harvested 99%, 99% 1994. Activities: Harvesting sugar beets, corn for grain, fall tillage, fertilization, moving cattle off high ranges, weaning, vaccinating calves, marketing cattle.

ILLINOIS: Temperatures 2 to 12° below average for the week. Highs mid 30s to mid 50s. Lows were high teens to mid 30s. Rainfall varied, ranging from less than 0.50 to over 4.00 in.

Days suitable for fieldwork 4.6. Topsoil 9% very short, 24% short, 63% adequate, 4% surplus. Fall tillage, other ground preparation activities were in full swing during the early part of last week. Rain, cold weather hampered field activities in some areas from 8th through the end of the week. In addition to ground preparation activities farmers were busy with spreading fertilizers, winterizing, cleaning equipment, caring for livestock.

INDIANA: Rain followed by freezing temperatures, snow covered most of the State during the weekend. Many areas received over an inch of precipitation during the week. Killing freeze occurred over southern areas of the State.

Corn harvest 97% complete. Soybean harvest complete, except for scattered fields. Seeding of winter wheat virtually complete. Major activities: Fall tillage, repairing, winterizing equipment, selling grain, chopping stalks, spreading fertilizer and lime, hauling manure, record keeping, mending fence, care of livestock.

IOWA: Temperatures 7 to 10° below normal. Extremes 8°; 67°. Moderate to heavy precipitation southeast half 10th with rain, freezing rain followed by 2.00 to 4.00 in. of snow. Precipitation trace northwest up to 2.05 in. east central; State average 0.26 in., normal 0.43 in.

Days suitable for fieldwork 5.2. Topsoil short 1%, very short 15%, adequate 78%, surplus 6%. Subsoil very short 7%, short 25%, adequate 64%, surplus 4%. Grain movement 9% none, 30% light, 53% moderate, 8% heavy. Grain storage availability on farm 14% short, 79% adequate, 7% surplus; off-farm 17% short, 77% adequate, 6% surplus. 1996 row crops fall tillage complete 40%, 36% 1994, 33% avg.; fall fertilizer activities complete 33%, 32% 1994, 27% avg. Utilization of stubble fields for grazing 23% none, 26% light, 43% moderate, 8% extensive. Livestock fair to good. Flu, pneumonia continue to be reported in hogs, cattle.

KANSAS: Temperatures were mostly below normal across the State the past week. In the northwest, southeast temperature 2 to 3° above normal. Elsewhere, temperature 1 to 4° below normal. Precipitation across the State was virtually nonexistent.

Days suitable for fieldwork 6.0. Topsoil 15% very short, 52% short, 31% adequate, 2% surplus. Subsurface moisture 10% very short, 37% short, 51% adequate, 2% surplus. Wheat seeding is complete across the State.

Wheat acreage being pastured 2%, 10% 1994, 7% avg. Wheat growth has been hampered by dry conditions. Grazing has been reduced in many areas because of inadequate growth. Fall harvest is nearing completion. Stockmen continue to graze cattle on crop residue. Supplemental feeding of livestock has been necessary in many areas.

KENTUCKY: Wet, cold. High temperatures mid 40s to mid 50s. Lows low 20s to low 30s with extreme lows in teens. Temperatures 6 to 12° below normal. Precipitation heavy as storms moved through on 10th, 11th. Generally, rainfall totaled 1.00 to 2.00 in., much above normal.

Days suitable for fieldwork 3.8, fields too wet for any field activity some areas. Topsoil 6% short, 82% adequate, 12% surplus. Subsoil moisture mostly adequate, short some localities. Burley stripping 49% complete, 32% 1994, 35% avg. Quality stripped tobacco fair to mostly good. Good stripping conditions. Ample supply of carryover, new crop available for opening burley markets 20th. Markets close for holidays after sale Dec. 14th, reopen Jan. 8th. Fall wheat seeding 94% complete, 91% 1994, 86% avg. Early seeded wheat good to excellent stand, ample moisture for germination late seeded wheat. Pastures poor to excellent, most areas feeding hay.

LOUISIANA: Temperatures 3° below normal to normal. Extremes 33°; 84°. Rainfall 0.52 in. northwest to 2.17 in. central.

Days suitable for fieldwork 3.1. Soil moisture 1% very short, 15% short, 48% adequate, 36% surplus. Cotton harvest reached completion as farmers wrapped up gleaning activities. Pecans 3% very poor, 23% poor, 51% fair, 21% good, 2% excellent; 30% harvested, 34% 1994, 42% avg. Soybean harvest made good progress with only a few fields left standing. Sugar cane 4% poor, 26% fair, 61% good, 9% excellent; 41% harvested, 45% 1994, 41% avg. Sugar cane harvest was hampered by rain, winds which caused some lodging. Sweet potatoes 89% harvested, 90% 1994, 90% avg. Wheat 77% planted, 57% 1994, 51% avg.; 59% emerged, 36% 1994, 37% avg. Wheat continued to improve as rains provided much needed moisture. Vegetables 5% very poor, 19% poor, 42% fair, 32% good, 2% excellent. Livestock 2% very poor, 9% poor, 41% fair, 45% good, 3% excellent. Cattlemen were busy culling non-productive cattle, marketing calves.

MARYLAND: Precipitation 0.59 in. normal 0.75 in. Temperature 41.2°, normal 49.6°. Extremes 13°; 73°. Low temperatures mainly low 20s to mid 30s. Highs were mainly in the mid 50s to low 70s.

Days suitable for fieldwork 3.3. Topsoil 72% adequate, 28% surplus. Subsoil 9% short, 85% adequate, 6% surplus. Corn 96% harvested for grain, 88% 1994, 88% avg. Soybeans 67% harvested, 76% 1994, 69% avg. Tobacco 20% stripped, 20% 1994, 17% avg. Barley 9% poor, 19% fair, 44% good, 28% excellent; 99% planted, 97% 1994, 98% avg. Rye 2% poor, 2% fair, 31% good, 65% excellent; 81% planted, 92% 1994, 90% avg. Wheat 2% very poor, 8% poor, 19% fair, 59% good, 12% excellent; 85% planted, 86% 1994, 85% avg. Other hay 97% 4th cutting, 76% 1994, 83% avg. Alfalfa hay 54% 5th cutting, 80% 1994, 69% avg. Hay supplies mostly adequate. Activities: Harvesting of field crops, planting of small grains.

MICHIGAN: Temperatures 39 to 42°, 4 to 8° below normal. Precipitation 0.29 to 1.67 in. Rains, snow throughout the State halted harvest, fall planting, tillage. Northern Lower Peninsula experienced 6.00 to 12.00 in. of snow on 11th.

Days suitable for fieldwork 4.0. Topsoil 1% short, 74% adequate, 25% surplus. Subsoil 6% short, 76% adequate, 17% surplus. Sugar beets harvested 99%, 100% 1994, 100% avg.

MINNESOTA: Temperatures 8 to 13° below normal for the State. Extremes -12°; 51°. Precipitation 0.12 in. above normal in the northwest district, 0.03 to 0.36 in. below normal across the remainder of the State. Greatest weekly total was 0.50 in.

Days suitable for fieldwork 3.9. Topsoil 39% adequate, 61% surplus. Subsoil 1% short, 48% adequate, 51% surplus. Corn harvested 95%, 94% 1994, 82% avg. Corn moisture content 17%, 17% 1994, 22% avg. Corn stubble worked 55%, 67% 1994, 60% avg. Soybeans harvested 97%, 99% 1994, 99% avg. Soybean moisture content 16%, 13% 1994, 11% avg. Soybean stubble worked 56%, 83% 1994, 81% avg.

MISSISSIPPI: Temperatures 4° below normal for the week. Extremes 19°; 89°. Soil temperatures 56°. Precipitation 2.08 in., 1.19 in. above normal. Rainfall throughout the State ranging from 1.08 in. south central district to 3.08 in. northeast district.

Days suitable for fieldwork 3.3. Soil moisture 6% short, 79% adequate, 15% surplus. Pecans 40% harvested, 56% 1994, 38% avg.; 13% very poor, 24% poor, 37% fair, 26% good. Sweet potatoes 100% harvested, 96% 1994, 97% avg. Cattle 1% very poor, 4% poor, 28% fair, 58% good, 9% excellent. Main farming activities: Harvesting soybeans, planting winter wheat. Fall tillage for next years crop has been in progress, many producers have fields ready for another crop. Cattle producers are starting to put out hay, graze winter pastures.

MISSOURI: Temperatures well below normal across most of the State, 6 to 10° below normal at most locations. Precipitation 0.89 in., ranging from 0.21 in. northwest, west-central, to 2.85 in. southeast.

Days suitable for fieldwork 4.2. Topsoil 13% very short, 31% short, 51% adequate, 5% surplus. Significant shortages continue to exist in the southwestern district, which received limited rainfall during the past week. Rainfall, colder temperatures moved across the State during the past week, with some areas receiving snow. However, farmers were still able to make significant harvesting progress during the past week. Corn harvest is varied across the State, ranging from around 80% across the northern third of the State, 95% across the central third, to completion across the southern third of the State. Sorghum harvest is complete in the south central, southeastern districts, while only 55% of the crop has been harvested in the northeastern district. Ninety-five percent of the winter wheat crop has been seeded, compared with 87% 1994, 88% normally by this date. Dry weather conditions continue to hinder the emergence of the winter wheat crop in the southwestern district, which reports only 39% emerged. Twenty-nine percent of the ground intended for spring crops has been worked at least once, compared with 25% 1994, 32% normally by this date.

MONTANA: Several fronts moved through the State causing rain, snow. All stations reported some precipitation with the heaviest amounts in the northwest. Temperatures varied with most stations below normal while Missoula, Belgrade, Butte were above normal.

Major activities include feeding, caring of livestock along with some farmers finishing up harvesting late season crops when able.

NEBRASKA: Temperatures near normals in the west 5 to 8° below normals in the east. Precipitation traces to around 0.50 in.

Days suitable for fieldwork 6.1. Topsoil 3% very short, 25% short, 66% adequate, 6% surplus. Subsoil 7% very short, 32% short, 60% adequate, 1% surplus. Fall harvest, tillage operations were slowed or halted in many areas by the end of the week due to wet weather conditions. By weekend, precipitation and snow over much of the west, south had affected producers with unfinished fieldwork. Corn harvest in the southwest continued to be least advanced. Some reports from the central counties indicated that harvest was slowed due to long lines at the elevators and elevators at full capacity waiting for rail cars. Wheat rain, snow received last week should benefit the crop. Late planted wheat fields that followed row crops lack growth compared with early planted fields.

NEVADA: High, mid-level clouds were common during the first part of the week. A fast moving storm passed across the State on the 9th to 10th, bringing showers to valley areas, snow to the mountains of north central, northeastern areas. Snow levels were around 6,000 feet. High winds buffeted north western areas, reaching 60 miles per hour at Gardnerville. Temperatures for the week averaged 6° above normal northwest, normal northeast, 3° above normal central, south. Extremes -6° Wildhorse Reservoir, 86° Laughlin. Northeast division had the only measurable precipitation, averaging 0.15 in. Wildhorse Reservoir recorded 0.73 in., including 7.00 in. of snow.

Fall seeded crops continued to benefit from extended Fall weather. Alfalfa haying remained active in the extreme south. Aftermath grazing of alfalfa fields was common in the north. Planting of new alfalfa fields, Sudan haying continued in the south. Garlic seeded for 1996 was emerging. Pistachio harvest was approaching completion in the south. Weaning, movement of livestock from Fall ranges continued. Vaccination, pregnancy testing of cows was underway. Mostly open weather forestalled winter feeding needs. Main farm, ranch activities: Finishing haying, moving/working/marketing livestock, hauling hay.

NEW ENGLAND: Precipitation 0.81 to 3.33 in. north, 1.79 to 3.61 in. south. Temperatures 35 to 43° north, 33 to 43° south. Maximum

temperatures 47 to 65° north, 47 to 64° south. Minimum temperatures 16 to 26° north, 15 to 29° south.

Cranberries 100% harvested, set above avg., size avg/below avg, condition excellent/good. Major farm activities: Cranberry harvest wrapped up. Farmers mulching strawberries, greenhouse operators digging nursery stock, Xmas tree growers mowing weeds, preparing for the holiday season. Cranberry growers cleaning up ditches, preparing for winter.

NEW JERSEY: Temperatures were much below normal, 38° north, 40° south, 43° coastal areas. Extremes 19° 10th; 69° 12th. Precipitation this period was much above normal, 2.54 in. north, 2.21 in. south, 1.94 in. coastal sections. Heaviest 24-hour total reported was 3.00 in. on the 11th to 12th. Trace amounts of snow were recorded at numerous locations on several days, no snow was on the ground on 6th morning.

Days suitable for fieldwork 6. Lettuce, fall cabbage, spinach, kale, broccoli are still being harvested. Corn, soybean harvesting active. Farmers continue planting fall cover crops. Pasture condition reported as good.

NEW MEXICO: Dry, unseasonably warm weather prevailed over most of State. Statewide temperature 5° above normal. Two light precipitation episodes passed through State during the week. The first one affected the south, west on Thur., while the second event affected the north on 10th. Locations that received over one quarter of an inch of precipitation included Quemado (0.50 in.), Silver City (0.31 in.), Animas (0.28 in.), Chama (0.28 in.), Socorro (0.27 in.).

Days suitable for fieldwork 6.4. Soil moisture 22% very short, 59% short, 19% adequate. Alfalfa 10% fair, 82% good, 8% excellent. Corn 8% poor, 19% fair, 68% good, 5% excellent. Cotton 10% poor, 19% fair, 54% good, 17% excellent; 56% harvested, 66% 1994, 53% avg. Sorghum 34% very poor, 27% poor, 20% fair, 18% good, 1% excellent; 86% mature, 100% 1994, 100% avg; 57% harvested, 75% 1994, 58% avg. Wheat 3% very poor, 17% poor, 52% fair, 27% good, 1% excellent; 20% grazed. Chile 3% very poor, 7% poor, 54% fair, 33% good, 3% excellent. Pecans 1% very poor, 2% poor, 12% fair, 58% good, 27% excellent. Cattle 2% very poor, 16% poor, 40% fair, 41% good, 1% excellent. Sheep 1% very poor, 26% poor, 50% fair, 21% good, 2% excellent.

NEW YORK: It was unusually cool most of the week, temperatures warmed to the 60s by the weekend. Precipitation was heavy with snow, rain during the week.

Corn for grain harvest continued. Apple growers grading, packing, moving apples in storage. Grape harvest is winding down with a few late season grapes to be picked. Other major activities are caring for livestock, milking cows, orchard clean-up, routine maintenance work.

NORTH CAROLINA: Rainfall 1.37 in. during 5th to 11th, 0.58 in. below normal. Tyron high 4.11 in. of rain during the past week. Temperature for the State 43°, 8° below normal. A high temperature of 61° Arcola, Elizabethtown, Wilmington, Smithfield. Low temperature of 19° Belhaven.

Days suitable for fieldwork 2.9. Soil moisture 27% adequate, 73% surplus. Oats 55% planted, 81% 1994, 76% avg. Barley 78% planted, 85% 1994, 81% avg. Rye 72% planted, 82% 1994, 74% avg. Sorghum 75% harvested, 99% 1994, 87% avg. Peanuts 97% dug, 100% 1994, 99% avg. Peanuts 90% threshed, 95% 1994, 94% avg. Sweet potatoes 88% harvested, 95% 1994, 94% avg. Crop conditions: peanuts, 16% poor, 68% fair, 16% good; sorghum 2% poor, 21% fair, 77% good; sweet potatoes 4% very poor, 9% poor, 34% fair, 52% good, 1% excellent; hay, roughage supplies 7% short, 81% adequate, 12% surplus. Activities: Harvesting row crops; harvesting vegetables; cutting hay; planting small grains; fall plowing; preparing for Christmas tree harvest; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Temperatures cooler than normal with light precipitation. Temperatures 11° below normal east central, southeast to 13° below normal northwest, northeast, west central. Extremes -14° northwest; 52° southwest south central. Precipitation 0.07 in. south central to 0.21 in. north central.

Snow cover, cold weather limited fieldwork in many areas. Some corn, sunflower remains to be harvested. Other activities included moving hay, cattle, weaning calves, marketing grain.

OHIO: Precipitation 1.50 in., with a maximum total of 3.20 in. reported at Grape Branch. Some of the precipitation in the latter part of the week came in frozen form, as temperatures dropped to record setting lows. Extreme lows in the teens were common in central, southern areas. Some residual heating from Lake Erie kept extreme lows in northern areas in the 20s. Highs were in the upper 50s to low 60s.

Days suitable for fieldwork 4.2. Topsoil 4% short, 77% adequate, 19% surplus. Livestock adjusting to winter conditions, still stressed by fluctuating temperatures, brisk winds.

OKLAHOMA: Precipitation 0.01 in. west central district to 0.55 in. east central district.

Days suitable for fieldwork 6.3. Topsoil 32% very short, 47% short, 21% adequate. Subsoil 8% very short, 41% short, 51% adequate. Wheat 4% grazed, 24% 1994, 10% avg.; soybeans 96% mature, 96% 1994, 96% avg.; 78% harvested, 78% 1994, 72% avg. Peanuts 93% dug, 86% 1994, 82% avg.; 86% combined, 74% 1994, n/a avg. Alfalfa 71% 5th cutting, 91% 1994, 86% avg.; 11% Th cutting, 30% 1994, 17% avg. Livestock 3% poor, 22% fair, 73% good, 2% excellent. Feeder steers, heifers steady to \$2/cwt higher.

OREGON: Temperatures well above normal, statewide. Precipitation 6.00 to 6.50 in. coast, northern Cascades, 4.00 in. Willamette Valley, 0.80 in. southwest valleys, 0.10 to 1.00 in. elsewhere.

Soil moisture mostly adequate to surplus. Columbia region: Winter cereal grain seeding winding down. Eastern potato harvest mostly complete. Klamath Basin: Potato, sugar beet harvest winding down. Willamette Valley: Winter cereal grain planting winding down as weather permitted, pumpkin, beet, carrot, other cole crops harvest continued, hazelnut, walnut harvest completed, nurseries balling evergreens for shipment, Christmas tree harvest underway. Hood, Rogue River Valleys: Pruning, fertilizing, liming orchards continued. Southern coast: Cranberry harvest completed. Livestock good to excellent. Fall livestock activities winding down. Western pasture growth slowed, first frost.

PENNSYLVANIA: Snowfall over most of State with accumulations. Temperature 36°. Extremes 12°; 68°. Precipitation 1.67 in.

Days suitable for fieldwork 3.4. Soil moisture 2% very short, 13% short, 77% adequate, 8% surplus. Soybeans 75% harvested, 83% 1994, 71% avg. Potato harvest 98% complete, 100% 1994, 99% avg. Fall plowing 90% complete, 95% 1994, 90% avg. Wheat planted 94% complete, 100% 1994, 99% avg. Barley planted 98% complete, 100% 1994, 100% avg. Alfalfa 4th cutting 81% complete, 91% 1994, 87% avg. Quality of hay made 22% very poor, 25% poor, 30% fair, 19% good, 4% excellent. Activities: Harvesting corn grain, soybeans, potatoes; making hay; cutting haylage; planting barley, wheat; plowing; filling silos; fixing fences; machinery maintenance; storing equipment for winter; hauling manure; caring for livestock.

PUERTO RICO: The island average rainfall of 1.30 in. was 0.24 in. below normal. The highest weekly total rainfall was 7.77 in. at Corozal AES followed by 3.96 in. at Pico Del Este-Luquillo and 2.85 in. at Utuado. The highest 24-hour total was 6.71 in. at Corozal AES on Nov. 10. At WSFO San Juan, mean temperature was 81.1° which is 0.1° above normal, and total rainfall was 0.99 in., which is 0.41 in. below normal. Island temperatures averaged about 78-79° on the coasts and 74-75° in the interior, with mean station temperature ranging from 81.2° at Rincon Power Plant to 65.9° at Pico Del Este-Luquillo. The extremes were 93° at San Sebastian 2WNW on Nov. 8, and 53° at Adjuntas AES on Nov. 10.

SOUTH CAROLINA: Temperatures 6 to 8° below normal. Extremes 22°; 79°. Rainfall 2.40 in.

Days suitable for fieldwork 3.30. Soil moisture 1% short, 35% adequate, 64% surplus. Cotton harvest well behind normal, delayed by rain, wet fields, 61% harvested, 66% 1994, 76% avg. Sorghum 77% harvested, 72% 1994, 80% avg.; 7% poor, 46% fair, 47% good. Peanuts 94% harvested, 93% 1994, 94% avg.; 60% fair, 40% good. Sweet potatoes 58% harvested, 59% 1994, 78% avg.; 1% poor, 97% fair, 2% good. Apples 95% harvested, 98% 1994, 99% avg.; 100% good. Pecan 11% poor, 50% fair, 39% good. Livestock 2% poor, 12% fair, 86% good. Small grain planting delayed some areas due rain, wet field conditions. Wheat 18% planted, 36% 1994, 24% avg.; 1% poor, 24% fair, 75% good.

SOUTH DAKOTA: Temperatures generally 1 to 10° below normal. Extremes 2°; 68°. Most of the State received no to very light precipitation. Heaviest precipitation fell in the southwest, west central with these areas generally receiving 0.30 to 0.70 in. precipitation. Rest of the State generally received zero to 0.10 in. of precipitation. Heaviest precipitation 0.66 in. lead.

Days suitable for fieldwork 3.6. Topsoil 1% very short, 1% short, 54% adequate, 44% surplus. Subsoil 1% very short, 4% short, 53% adequate, 42% surplus. Sunflowers 86% harvested, 96% 1994, 95% avg. Winter rye 14% fair, 69% good, 17% excellent. Warm temperatures mid-week thawed fields, hindered row crop harvest because of the muddy conditions; temperatures dropped again by the end of the week. Continued cold weather with no precipitation is needed to finish this years row crop harvest. Livestock 1% poor, 13% fair, 73% good, 13% excellent. Stock water supplies 1% short, 68% adequate, 31% surplus. Feed supplies 2% short, 82% adequate, 16% surplus.

TENNESSEE: Temperatures were chilly across the State. Crossville, Bristol more than 10° below normal for the week. Memphis had the warmest reading for the week with a high of 70° on 7th, while at Crossville the mercury dropped to a low of 18° on 12th. Extremes 18°; 70°.

Days suitable for fieldwork 3.0. Topsoil 52% adequate, 48% surplus. Subsoil 1% short, 66% adequate, 33% surplus. Cotton 84% harvested, 84% 1994, 87% avg. Tobacco 61% stripped, 62% 1994, 59% avg. Soybeans 72% harvested, 68% 1994, 68% avg. Winter wheat 1% poor, 17% fair, 69% good, 13% excellent; 77% seeded; 80% 1994, 76% avg.

TEXAS: Mostly dry conditions prevailed across State last week with only few stations reporting more than one-tenth in. The highest individual total was only 0.47 in. at Sam Rayburn Dam. Most temperatures statewide slightly below normal except for Trans-Pecos where temperatures were right at normal, Northern High Plains where temperatures slightly above normal. A strong cold front towards end week brought the first freeze much of Northern, Eastern regions of State.

Crops: Small grains need for rainfall continued to be main story across much of State. Growth been slow many fields. Some irrigating occurred in Plains. Rainfall East, along with slightly cooler temperatures, should greatly improve small grains planted for winter pastures. Statewide wheat condition rated 61% normal compared 74% 1994. Corn harvest nearly completed in Plains during week. 100% mature, 100% 1994, 100% avg. Cotton harvest continued advance rapidly in Plains under open conditions. High humidity early week caused few slowdowns; however, good progress occurred remainder of week. Green bolls causing some harvest problems. Bolls opening 93%, 100% 1994, 94% avg. Grain sorghum harvest good progress in Plains during week. Peanut harvest progress good in Low Plains, Cross Timbers, beginning to wind down some fields. Yields continued good. However, low yields reported on later fields South Central. Statewide condition rated 67% normal compared 75% 1994; 67% harvested, 63% 1994, 64% avg. Soybeans harvest continued in Plains, rapidly winding down some fields. Sunflowers 70% harvested, 77% 1994, 71% avg. Sugar beets 51% harvested, 60% 1994, 53% avg.

Commercial Vegetables Rio Grande Valley, progress continued good with recent rains during past two weeks. San Antonio-Winter Garden, most harvest activity has been completed. Planted crops made good progress during week. East, sweet potato harvest winding down. A few more greens harvested. Pecans fair to good yields continued reported across many areas; however, some producers still reporting nuts not filling properly. Harvest in Trans-Pecos beginning. 31% harvested, 31% 1994, 33% avg.

Range and Livestock: Winter pastures East received beneficial rains during week; however, in most other areas good rain is needed to boost progress of small grains, native winter grasses. Stocker movement has been slow going onto wheat pastures in Plains. Supplemental feeding continued increase in most areas. Fall calving, weaning of older calves in full swing. Many producers have been holding calves longer in hopes of price break.

UTAH: Temperature maximums 3° above normal; minimums normal. Precipitation light to moderate throughout the State with the exception of Dixie division which received no measurable precipitation.

Major farm/ranch activities: Preparing barns, haystacks, irrigation systems, fields for winter; moving cattle, sheep to fall/winter ranges; harvesting corn.

VIRGINIA: Temperatures mainly below normal across the State this week. Extremes 22°; 56°. Showers fell during the week as well as over the weekend, with as much as 3.00 in. of rain falling in some localities.

Days suitable for fieldwork 3.8. Topsoil 1% short, 79% adequate, 20% surplus. Subsoil 15% short, 77% adequate, 8% surplus. Winter apples harvested 95%, 100% 1994, 74% avg. Corn harvested for grain 92%, 92% 1994, 92% avg. Soybeans harvested 45%, 46% 1994, 52% avg. Peanuts dug 100%, 100% 1994, 100% avg.; combined 99%, 100% 1994, 99% avg. Cotton harvested 77%, 71% 1994, 48% avg. Barley seeded 87%, 96% 1994, 94% avg. Oats seeded 80%, 100% 1994, 96% avg. Winter wheat seeded 65%, 72% 1994, 68% avg. Livestock 1% poor, 14% fair, 82% good, 3% excellent. Small grain, winter grazing crop 19% fair, 72% good, 9% excellent. Hard nighttime freezes in some localities slowing harvest, small grain seeding progress. Fertilizer, lime applications continued. Peanut harvest is complete. Cotton, corn, soybean harvests are in full swing.

WASHINGTON: Temperatures 4 to 2° below normal west; 11 to 3° below normal east. Precipitation 1.26 to 4.34 in. west; 0.03 to 1.06 in. east. Wet, windy, cool throughout week, particularly in the northwest. Heavy rainfall caused considerable flooding in the northwest.

Days suitable for fieldwork 3.3. Topsoil 10% short, 70% adequate, 20% surplus. Subsoil 3% short, 97% adequate. Irrigation water supply 100% adequate. Mild temperatures favored wheat emergence, growth. Christmas tree harvest active. Growers reported excellent quality. Standing water in many fields. Cattle on fall pastures. Producers are reading equipment for winter. Winter wheat, dryland 5% poor, 13% fair, 82% good; irrigated, 90% good, 10% excellent. Corn, 100% good. Hay, other roughage supplies 3% short, 96% adequate, 1% surplus. Winter wheat, 97% planted, 95% 1994, 97% avg.; 89% emerged, 72% 1994, 89% avg. Potatoes, 99% harvested, 100% 1994, 98% avg. Corn, harvested for grain, 47% harvested, 86% 1994, 68% avg.

WEST VIRGINIA: Temperature 39°. Extremes 14°; 73°. Temperature ran from 5° below normal in the northeastern region to 8° below normal in the

southwest, southern regions. The greatest weekly total precipitation was 3.24 in. reported at Pineville. State average was 1.51 in.

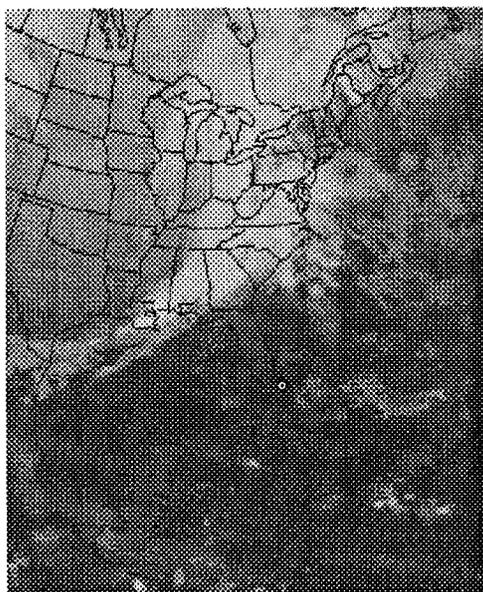
Days suitable for fieldwork 3.3. Topsoil 4% short, 86% adequate, 10% surplus. Wheat 93% planted, 85% 1994, 81% avg. Corn harvested 92%, 82% 1994, 79% avg. Soybeans 68% harvested, 75% 1994. Barley 100% planted, 90% 1994. Cattle 1% Poor, 7% fair, 80% good, 12% excellent. Sheep 7% fair, 83% good, 10% excellent. Activities: Marketing cattle, harvesting corn and soybeans, sowing wheat, equipment maintenance.

WISCONSIN: Temperature 26°, 9° below normal. Extremes -7°; 54°. Precipitation 0.10 to 1.20 in.

Days suitable for fieldwork 4.0. Soil moisture 2% short, 59% adequate, 39% surplus. Fall tillage 66%, 58% 1994, 51% avg. Hay, roughage supply 4% short, 77% adequate, 19% surplus. Rainshowers, snowfall combined this week to make harvesting, general farming activity difficult. Snow fell over the southern part of the State with some accumulation. Corn harvest neared completion with reports of several farmers completed, remaining about finished. A hard freeze is needed so that farmers can get onto the wet ground to wrap up corn harvest. Farmers are still taking stocks for bedding. Reporters noted that farmers are hauling manure. This activity should increase as soon as the ground freezes. Fall tillage was brought to a close in most areas with the snowfall, freezing ground. Overall hay, roughage supplies are adequate across the State, some reporters mentioned a need for good quality hay.

WYOMING: Temperatures 1 to 5° below normal across most of the State. The exception was the south central which averaged 1 to 5° above normal. Extremes low 1° Chugwater, Douglas; 63° Archer, Lander. Precipitation 0.10 to 0.70 in. below normal across most of State. Northeast, northwest parts of the State 0.10 to 0.40 in. above normal. Moran received the greatest amount of 1.80 in.

Field work slowed by cold, wet weather. Corn harvest continues. Livestock moved off summer pastures. Supplemental feeding under way in areas with snow cover.



GOES 8 IR satellite image for 1200 UTC (7 a.m. EST), Nov. 11, 1995. An intense front sweeps through the East bringing sudden temperature drops, damaging winds, severe thunderstorms, and heavy precipitation.

U.S. Crop Production Highlights

The following information was released by USDA's Agricultural Statistics Board on November 9, 1995. Forecasts refer to November 1.

Corn production is forecast at 7.37 billion bushels, down 2 percent from the October 1 forecast and 27 percent below the record-high 1994 crop. Yields are expected to average 113.7 bushels per acre, down 2.9 bushels from last month and 24.9 bushels below the record-high yield of 1994.

Soybean production is forecast at 2.18 billion bushels, down less than 1 percent from the October 1 forecast and 13 percent below 1994. Yield is forecast at 35.4 bushels per acre, 0.1 bushel below October and 6.0 bushels below 1994.

All cotton production is forecast at 18.8 million bales, down 2 percent from last month and 4 percent below 1994's output. Yield decreased 12 pounds from October.



International Weather and Crop Summary

November 5 - 11, 1995

HIGHLIGHTS

FSU-WESTERN: Winter grains continued to enter dormancy with good establishment.

EUROPE: Rain eased long-term drought in Portugal and Spain, providing beneficial topsoil moisture for winter grain planting.

NORTHWESTERN AFRICA: Little, if any, precipitation covered winter grains in Morocco, Algeria, and Tunisia.

SOUTH ASIA: A tropical cyclone hit eastern India, causing coastal flooding and hampering rice harvesting but increasing moisture for dry-season rice.

SOUTH AFRICA: Showers kept topsoils moist for germination in the eastern corn belt.

AUSTRALIA: Locally heavy rain in eastern Australia benefited Queensland's summer crops but was unfavorable for mature winter grains in the southeast.

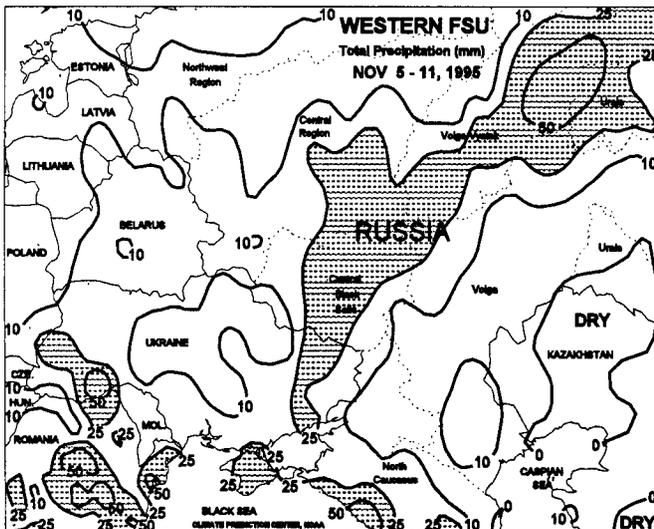
EASTERN ASIA: Warm weather favored emerging winter wheat across the North China Plain. Seasonably dry weather favored fieldwork across the country.

SOUTHEAST ASIA: Moderate rain exacerbated flooding in southern Luzon, Philippines, while showers from remnants of Typhoon Angela slowed rice harvesting in northern Vietnam.

SOUTH AMERICA: In Argentina, rain continued to benefit reproductive winter wheat and germinating summer crops. Warm, somewhat dry weather favored soybean planting across southern Brazil, but reduced soil moisture for germinating summer crops.

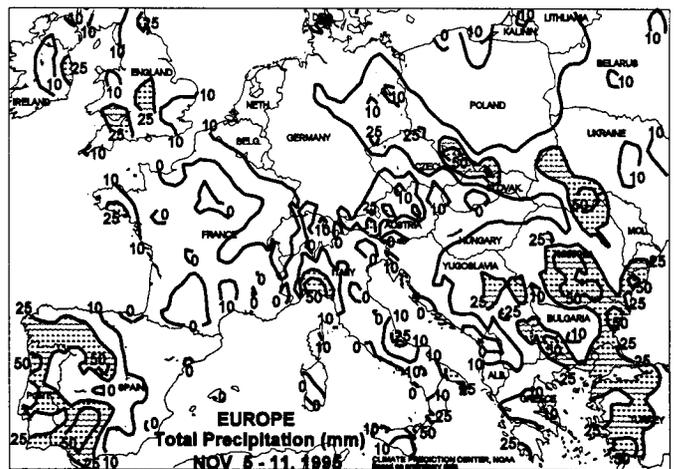
FSU-WESTERN

A storm system developed over Ukraine and moved northeastward during the week, ushering in unseasonably cold weather and causing winter grains to begin entering dormancy as far south as the central Ukraine and the northern tip of North Caucasus, Russia. The storm produced a band of light to moderate snow from northern Russia, southwestward into western Ukraine. Lowest temperatures (-12 to -22 degrees Celsius (C)) covered the Central Region in Russia, Belarus, the Baltics, and western Ukraine. An adequate snow cover in these areas protected winter grains from extreme cold. Weekly average temperatures were 4 to 8 degrees C below normal over western Russia, Belarus, and the western two-thirds of Ukraine. Ahead of the storm, unusually mild weather briefly covered the North Caucasus and Volga Valley in Russia, accompanied by light rain. Temperatures averaged 2 to 4 degrees C above normal in these areas.



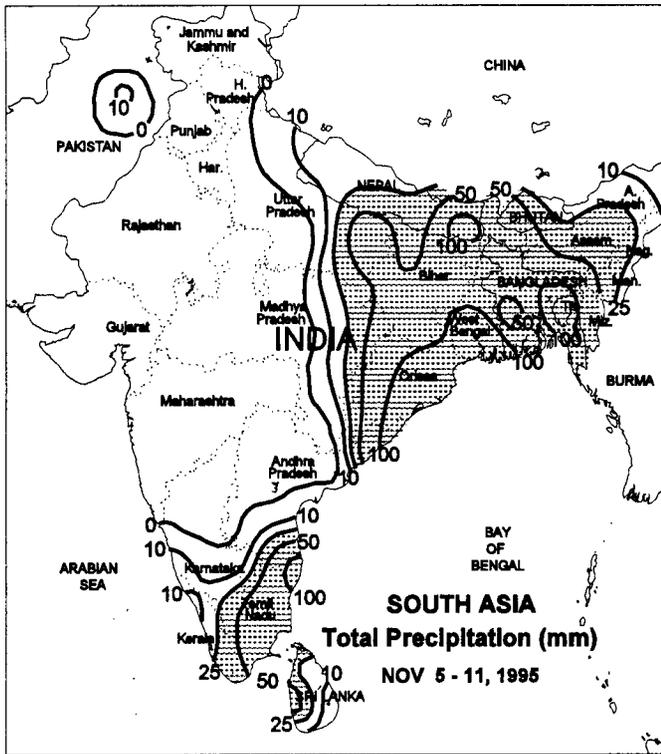
EUROPE

The first substantial rain of the season (10-50 mm, with local amounts in excess of 50 mm) covered Portugal and Spain. Most of the precipitation fell over Portugal and central and western Spain. While the rain brought only temporary relief from long-term drought in these countries, it provided beneficial topsoil moisture for winter grain planting, improving prospects for crop emergence. The first hard freeze of the autumn covered northern Europe (England, northern France, the Netherlands, Belgium, Germany, and Poland) where lowest temperatures ranged from -2 to -8 degrees C. The cold weather prompted further hardening in winter grain, and left harvested sugar beets vulnerable to freeze-thaw damage. Beneficial light rain fell over the United Kingdom, improving moisture conditions for winter grains, following several weeks of dry weather. Cold, wet weather covered southeastern Europe accompanied by locally heavy snow, slowing late-season harvesting. Precipitation amounts ranged from 10 to 53 mm, benefiting winter grains.



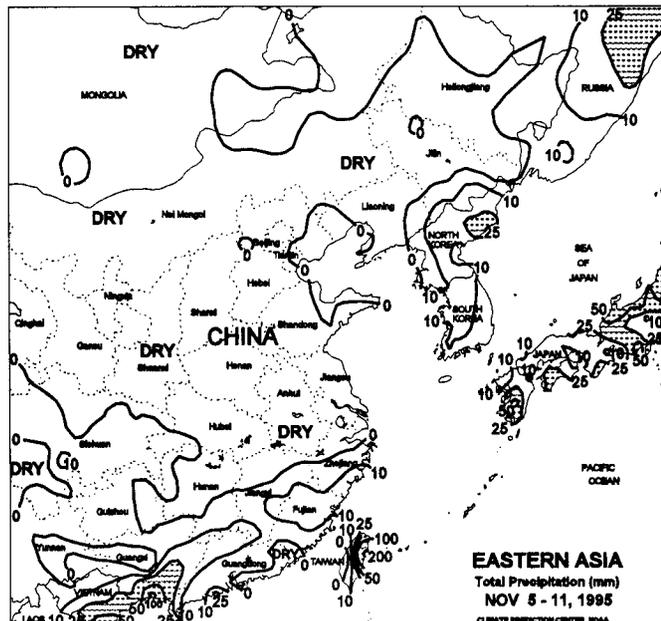
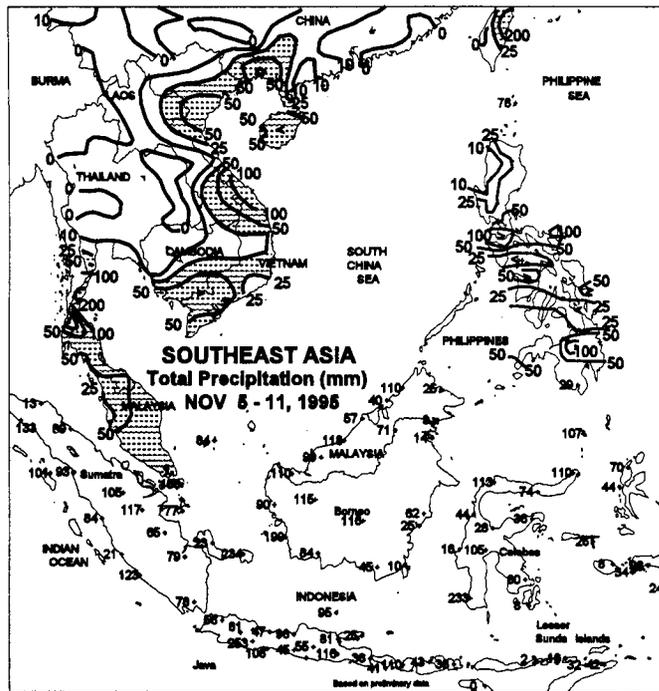
SOUTH ASIA

A tropical cyclone hit eastern India with sustained winds of 60 knots. As a result, heavy showers (100 mm or more) fell in coastal rice areas from northern Andhra Pradesh to Bangladesh, hampering rice harvesting and causing local flooding. Some wind damage was possible from the storm and its remnants. Farther inland (eastern Madhya Pradesh to Assam), more moderate showers (25-50 mm or more) slowed rice harvesting but boosted moisture for dry-season rice planting. The rain also helped eastern winter wheat and oilseed areas of India (Bihar and environs) that received below-normal monsoon rains. Elsewhere, showers (25-105 mm) continued over India's southern tip, but seasonably dry, warm conditions over the bulk of the remaining crop areas favored summer crop maturation and winter crop harvesting.



SOUTHEAST ASIA

Additional heavy showers (50-100 mm, isolated amounts greater than 200 mm) fell across southern Luzon, Philippines, which received heavy rain from last week's passage of Typhoon Angela. November is among the wettest months of the year in this region (500-600 mm per month). Typhoon Angela dissipated as a significant storm in the Gulf of Tonkin on November 6. The remnants of Angela, however, did bring moderate showers (30-70 mm) to the Red River Delta of northern Vietnam, slowing rice harvesting. In Thailand, dry weather favored main-season rice harvesting. Widespread showers (40-110 mm) benefited secondary crops across Java.



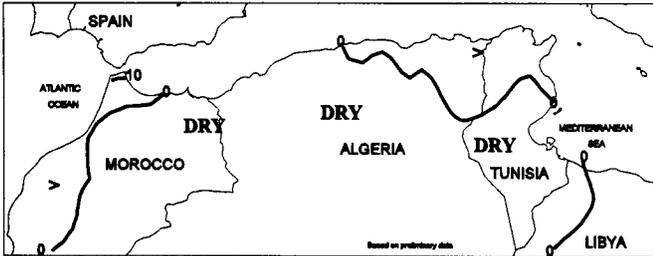
EASTERN ASIA

Warm weather (temperatures 2-4 degrees C above normal) favored emerging winter grains across the North China Plain. Dry weather favored late summer crop harvesting across most of China and winter oilseed planting along the Yangtze Valley. Remnants of Typhoon Angela caused light to moderate showers (10-50 mm, with isolated amounts greater than 75 mm) across Guangxi and Hainan Island, slowing rice harvesting. Light to moderate rain (10-40 mm) slowed rice harvesting across Japan.

NORTHWESTERN AFRICA

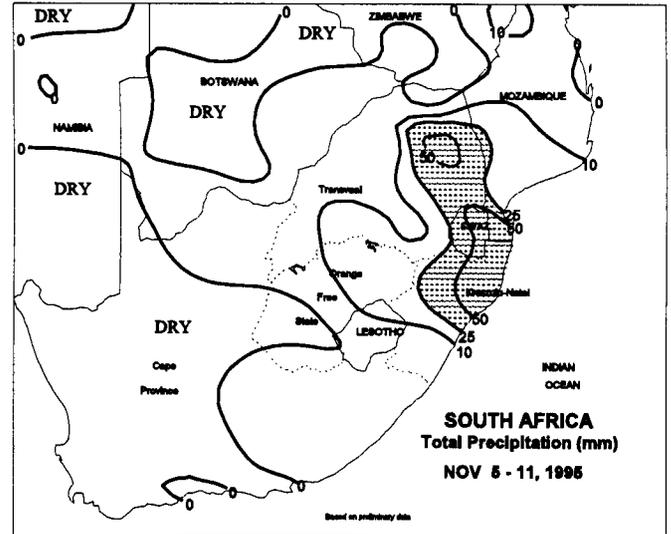
Little, if any, precipitation covered winter grains in Morocco, Algeria, and Tunisia. Previous rain has provided adequate topsoil moisture for winter grain planting in eastern Algeria and Tunisia. However, a slow start to the rainy season has likely delayed planting in Morocco and western Algeria. By week's end, a storm system approached Morocco from the west and brought light rain to the country on November 12. Weekly average temperatures were 2 to 4 degrees C above normal over Morocco and western Algeria and 1 to 3 degrees C below normal over eastern Algeria and Tunisia.

**NORTHWEST AFRICA Total Precipitation (mm)
NOV 5 - 11, 1995**



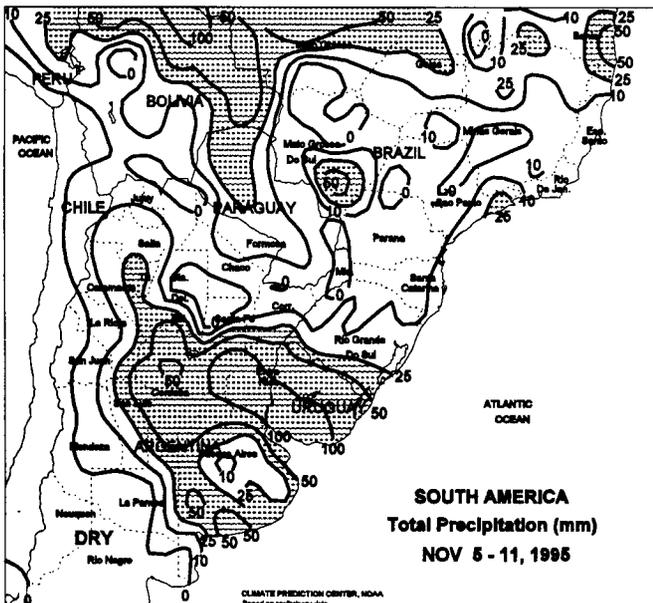
SOUTH AFRICA

Scattered, mostly moderate showers (10-35 mm) continued in the eastern corn belt, maintaining generally favorable moisture conditions for crop germination and establishment. In western corn areas, mostly dry weather favored fieldwork following last week's heavy rain. Corn planting was likely well underway across the region. Temperatures averaged above normal across the corn belt, with highs in the western corn belt reaching the low to mid 30's C for the second week, maintaining high evaporation rates. Moderate to heavy rain (25-50 mm or more) covered northern sugarcane areas of Kwazulu-Natal, but mostly dry weather dominated remaining coastal crop areas.



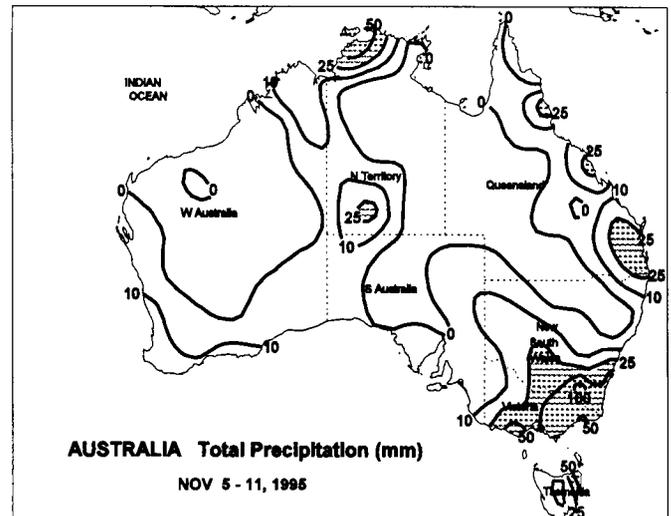
SOUTH AMERICA

In Argentina, widespread showers (20-70 mm, with scattered amounts greater than 100 mm) benefited reproductive to filling winter wheat and increased topsoil moisture for summer crop planting and germination. Cooler temperatures by week's end helped to decrease crop water use. However, except for extreme northeastern La Pampa, eastern La Pampa received less than 10 mm, reducing soil moisture for summer crops and winter wheat. Light to moderate rain (5-20 mm) fell across northern Argentina, aiding germinating cotton. In southern Brazil, warm weather (temperatures 3-4 degrees C above normal) with only light, scattered rain (5-15 mm, with an isolated amount greater than 50 mm in Mato Grosso do Sul) favored soybean planting, but reduced soil moisture for germinating summer crops. Mato Grosso and Goias received beneficial showers (20-60 mm), but drier weather (less than 10 mm) in the southern portions of those states reduced topsoil moisture for planting.



AUSTRALIA

Moderate to heavy showers (5-25 mm or more, exceeding 50 mm locally) fell throughout Australia's eastern crop areas. In Queensland, the rain increased moisture reserves for sugarcane as well as eastern portions of the sorghum and cotton regions. However, Queensland's western summer crop and pasture areas were mostly dry. Farther south, moderate to heavy showers (10-50 mm) over sections of the southeast (southern New South Wales and parts of Victoria) were unfavorable for maturing winter grains. Drier, warmer conditions elsewhere in the southeast, as well as in Western Australia, benefited maturing crops. In New Zealand, heavy rain (25-50 mm or more) fell in west coastal areas, but lighter rain (25 mm or less) covered main pasture areas of North Island and eastern South Island.



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.

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(Continued from page 7)

Soybeans Percent Harvested				
	Nov 12	Prev	Prev	5-Yr
	1995	Week	Year	Avg
AL	60	58	55	68
AR	91	83	83	76
GA	27	21	41	56
IL	99	99	98	98
IN	100	99	100	98
IA	99	99	100	100
KS	100	95	89	95
KY	90	80	83	77
LA	99	92	91	90
MI	99	97	97	92
MN	97	94	99	99
MS	96	94	83	78
MO	95	90	85	89
NE	100	99	100	100
NC	20	16	31	34
OH	99	97	100	98
SC	13	11	31	31
SD	93	86	100	100
TN	72	65	68	68
ALL	94	91	92	92

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

Winter Wheat Percent Emerged				
	Nov 12	Prev	Prev	5-Yr
	1995	Week	Year	Avg
AR	63	44	65	59
CA	7	5	9	9
CO	98	96	100	99
GA	19	9	13	15
ID	89	71	75	84
IL	95	82	92	85
IN	95	83	97	87
KS	93	90	96	91
MI	94	89	94	89
MO	76	65	78	73
MT	87	85	80	87
NE	100	100	100	100
NC	34	21	43	41
OH	94	92	92	84
OK	78	70	92	83
OR	76	64	70	81
SD	96	95	100	100
TX	72	69	78	77
WA	89	88	72	89
ALL	84	79	87	84

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

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	1	4	33	57	5
CA	0	0	25	75	0
CO	3	5	22	62	8
GA	0	0	24	76	0
ID	0	1	17	74	8
IL	1	9	40	46	4
IN	1	7	25	58	9
KS	1	16	40	38	5
MI	1	6	26	52	15
MO	0	7	53	38	2
MT	0	1	12	68	19
NE	0	2	30	66	2
NC	0	7	28	59	8
OH	0	1	24	61	14
OK	1	6	45	44	4
OR	0	0	11	84	5
SD	0	2	21	63	14
TX	2	17	56	23	2
WA	0	5	11	83	1
ALL	1	9	36	48	6
Prev Wk	1	8	35	51	5
Prev Yr	1	4	25	62	8

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

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