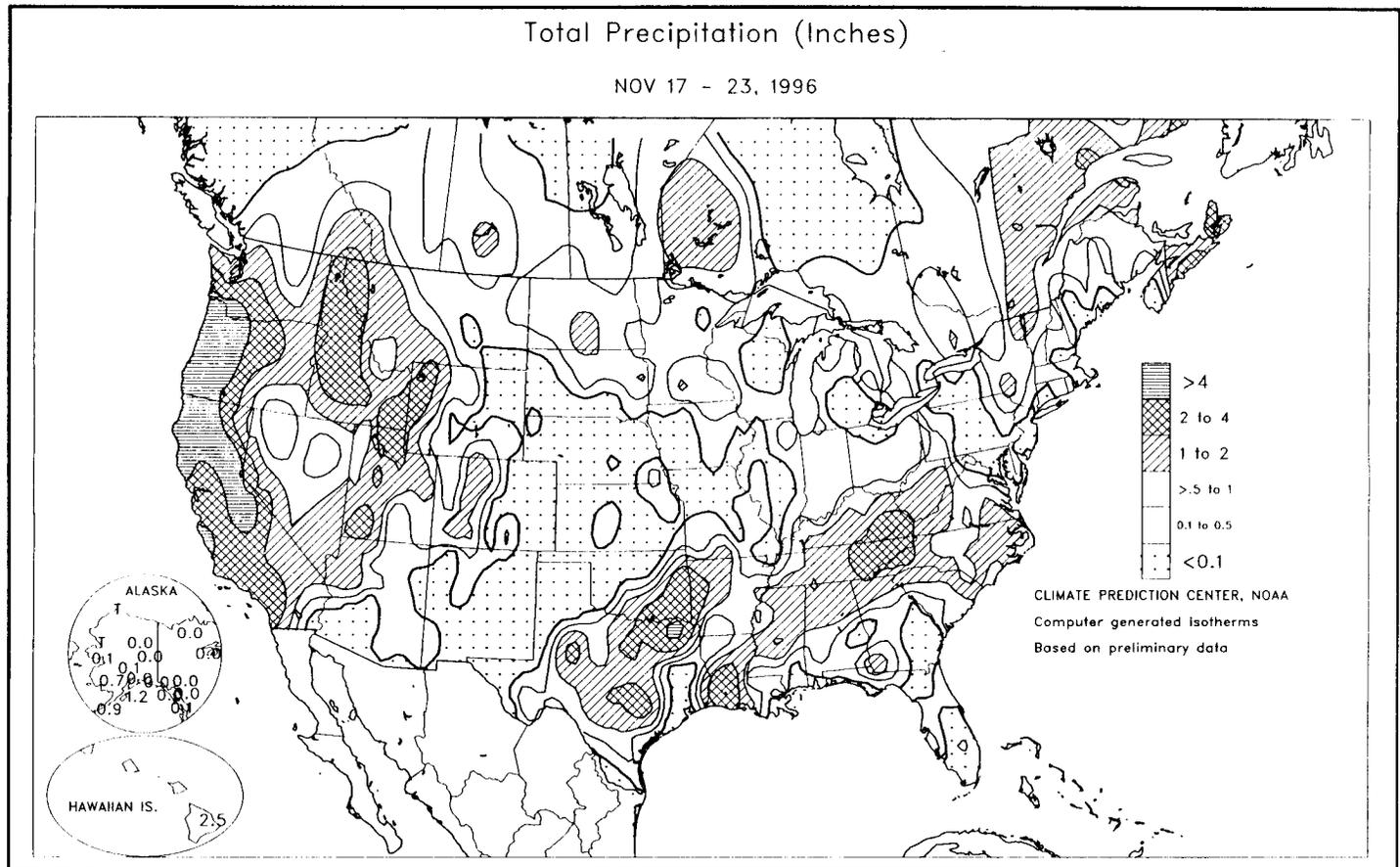


WEEKLY WEATHER AND CROP BULLETIN

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



HIGHLIGHTS

November 17 - 23, 1996

For the sixth consecutive week, Pacific-origin storms pounded the West. Precipitation topped 4 inches from western Oregon to the Sierra Nevada, and heavy snow or ice accumulated from Washington to the upper Midwest. Weekly totals ranged from 2 to 4 inches as far south as southern California and as far east as the northern Rockies and Utah's Wasatch Range. Deep snow cover protected the northern Plains' winter wheat from temperatures of 0 to -27°F; no snow fell on the central High Plains before late-week readings dipped into the single digits. Continuing a 2-week trend, increasingly cold air funneled into areas east of the Rocky Divide, holding weekly temperatures 15 to 33°F below normal in the northern Plains. In contrast, warmth on November

19-21 resulted in more than five dozen daily-record highs across the Southwestern and South Central States, where weekly departures ranged from +5 to +12°F.

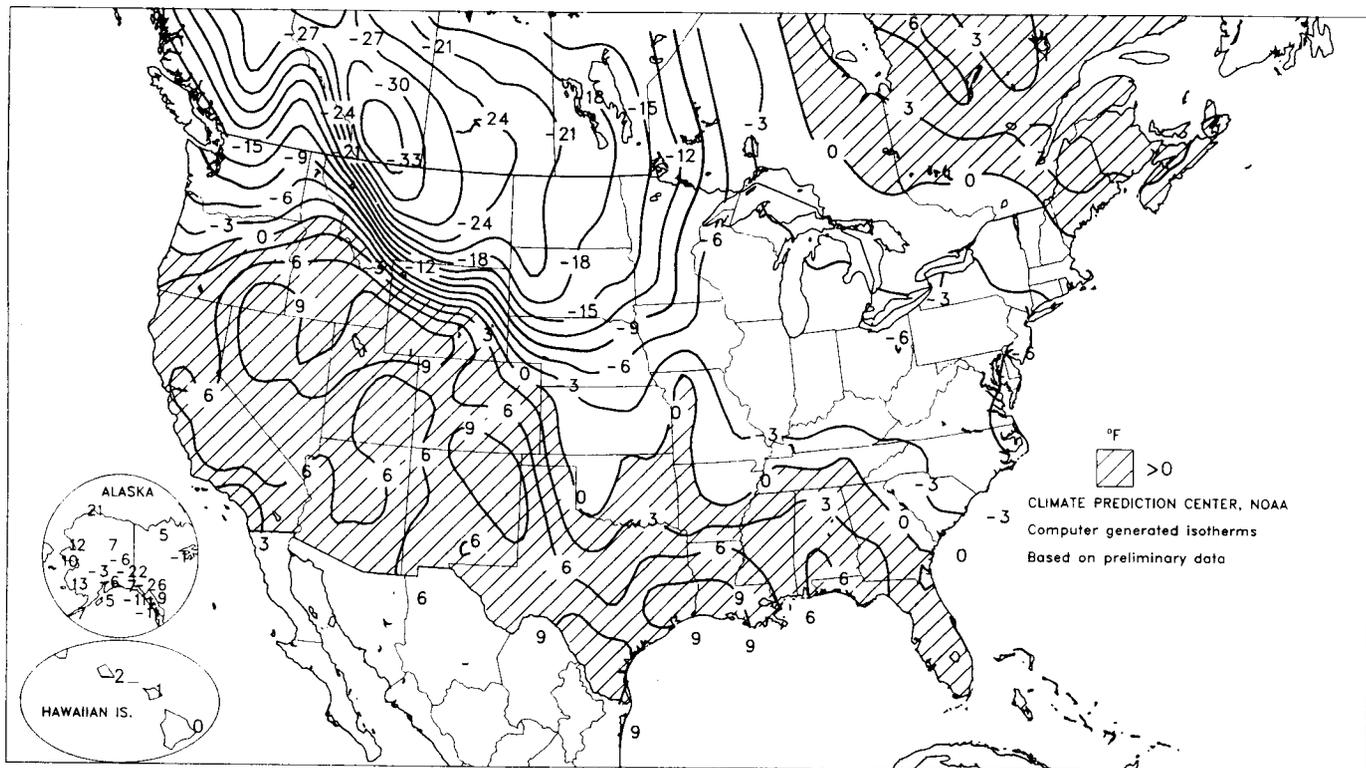
(Continued on page 3)

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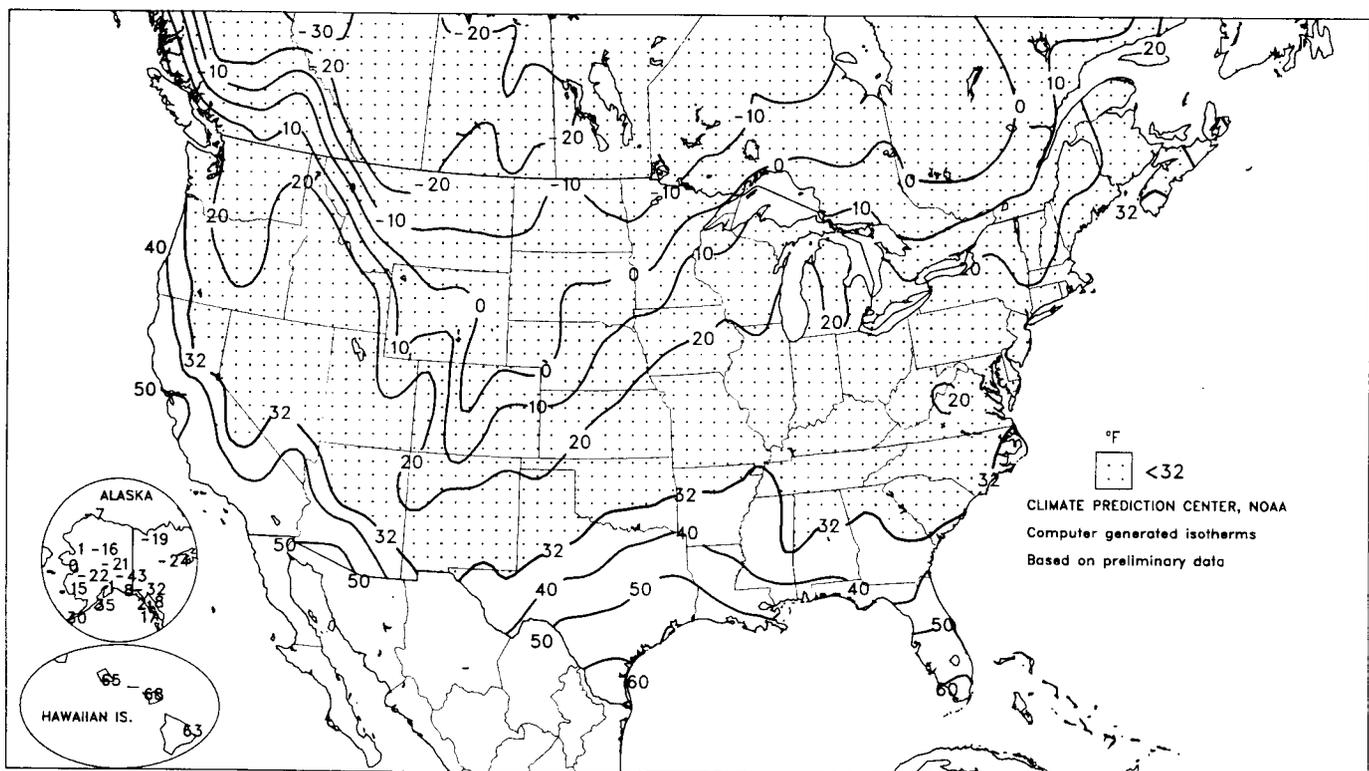
Departure of Average Temperature from Normal (°F)

NOV 17 - 23, 1996



Extreme Minimum Temperature (°F)

NOV 17 - 23, 1996



(Continued from front cover)

Early in the week, one storm departed the **northern Plains**, while another barrage of moisture reached the **West Coast**. On Sunday, lingering snowfall reached 2.2 inches in **Aberdeen, SD**, while in **western Montana**, **Kalispell's** heaviest snowfall on record began. Between November 17-20, 23.0 inches fell in **Kalispell**, including 20.1 inches on Tuesday, breaking their 24-hour snowfall record set in December 1951. Farther west, 16.0 inches fell in **Yakima, WA** on November 18-19, eclipsing their 24-hour record of 14.0 inches, set in December 1964. Severe icing struck the **Spokane River basin** and other **eastern Washington** valleys. Even west of the Cascades, 7.0 inches blanketed **Seattle, WA** on Tuesday.

In **northern California**, 24-hour rainfall reached 8.05 inches in **Big Sur** on November 16-17. Precipitation then shifted northward, totaling 6.47 inches in **Gold Beach, OR** during a 24-hour span on November 17-18. Elsewhere in **Oregon**, monthly records for 24-hour rainfall were broken on November 18-19 in **Salem** (3.24 inches), **Portland** (3.86 inches), and **Eugene** (4.99 inches). The heavy rain caused several mudslides and extensive small-stream flooding across **western Oregon**.

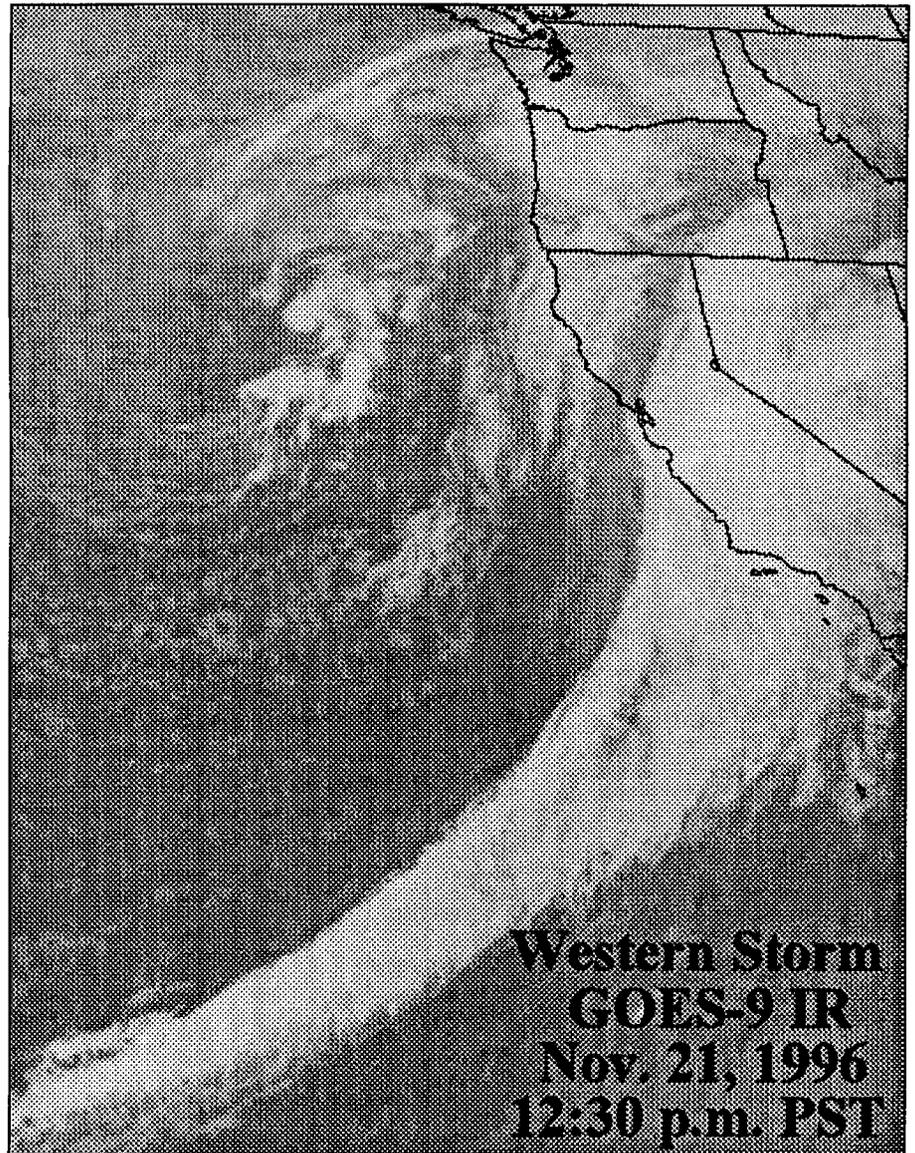
Farther east, very warm air briefly surged into the **central High Plains**, but persisted across the **South** until late in the week. Daily records on November 19 included 80°F in both **Goodland, KS** and **Pueblo, CO**. A day later, November-record highs were established in **Midland, TX** (90°F) and **Roswell, NM** (88°F). A final day of warmth on Thursday produced daily-record highs in locations such as **Corpus Christi, TX** (91°F) and **New Orleans, LA** (83°F).

Temperatures dipped sharply at week's end throughout the **Plains**, falling into the single digits as far south as **northwestern Kansas**. On Saturday, **Rapid City, SD** marked a November-record 14th day in a row with sub-freezing maxima, while **Williston, ND** (-21°F) noted their first of three consecutive daily-record lows.

Williston also collected daily-record precipitation on Tuesday (0.31 inches) and Saturday (0.43 inches) en route to a weekly snowfall of 12.4 inches. Bolstered by additional late-week accumulations, weekly snowfall reached 28.4 inches in **Kalispell**, 15.8 inches in **Bismarck, ND**, 14.1 inches in **Aberdeen, SD**, 12.1 inches in **Minneapolis, MN**, and 8.7 inches in **Spokane, WA**. Snowfall on Saturday totaled 7.7 inches in **Bismarck** and 6.3 inches in **Minneapolis**. Three days earlier, the season's first significant snowfall occurred in a stripe from the **Midwest** to the **middle Ohio Valley**; otherwise, favorable weather prevailed for late-season harvests across the **Corn Belt**.

More moisture reached the **West Coast** on Thursday, particularly across **southern California**. Due to initially elevated snow levels, even high-elevation areas from **California** to **Colorado** received a rain-snow mixture and very high precipitation totals. In **Alta, UT** (elevation 8,700 feet), a 2.58-inch storm total resulted in only 12 inches of snow, most of which fell at storm's end. Farther east, rain frequented the **Southeast** during the week, totaling more than 2 inches in parts of the **southern Appalachians** and the **Delta**. On Saturday, thunderstorms erupted from the **Ozark Plateau** to **central Texas**, dumping locally excessive rainfall.

Weekly temperatures averaged more than 10°F above normal in **western and northern Alaska**, including a departure of +21°F in **Barrow**. **Barrow** logged a daily-record high of 31°F on Sunday, the next-to-last day before the beginning of their 63-day Arctic night. But bitterly cold weather intensified across **east-central Alaska**, where readings averaged up to 22°F below normal and temperatures dipped below -40°F. Meanwhile in **Hawaii**, Oahu's 2-week deluge abated, but not before fueling **Honolulu's** wettest November (18.75 inches) and wettest month since March 1951.



National Weather Data for Selected Cities

Weather Data for the Week Ending November 23, 1996

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	.05 INCH OR MORE
AL BIRMINGHAM	64	47	70	32	56	4	0.70	-0.38	0.70	12.23	123	58.27	120	91	65	0	1	1	1
MOBILE	73	55	81	42	64	6	0.10	-0.94	0.07	8.48	72	55.46	96	92	58	0	0	3	0
AK MONTGOMERY	70	49	81	36	80	6	0.06	-0.90	0.06	10.46	114	57.58	118	88	45	0	0	1	0
ANCHORAGE	18	9	21	1	14	-6	0.00	-0.23	0.00	5.26	95	13.55	93	86	79	0	7	0	0
BARROW	24	8	31	-7	16	21	0.01	-0.06	0.01	1.07	88	3.41	82	89	77	0	7	1	0
FAIRBANKS	3	-16	13	-21	-6	-6	0.00	-0.19	0.00	2.57	106	10.50	106	81	67	0	7	0	0
JUNEAU	26	16	36	6	21	-9	-	-	-	-	-	-	-	48	26	0	7	-	-
KODIAK	41	36	42	35	39	5	1.21	-0.15	0.49	18.85	101	47.82	80	93	73	0	0	4	0
NOME	28	18	36	0	23	9	0.09	-0.14	0.09	3.84	85	15.66	113	86	64	0	7	1	0
AZ PHOENIX	77	53	82	47	65	5	0.00	-0.17	0.00	0.91	46	4.04	62	61	20	0	0	0	0
PRESCOTT	62	33	72	26	48	-	0.04	-0.34	0.04	1.21	29	6.74	38	62	38	0	4	1	0
TUCSON	77	48	84	43	63	5	0.10	-0.06	0.10	5.54	174	10.40	96	62	21	0	0	1	0
YUMA	80	58	85	50	68	6	0.00	-0.06	0.00	0.00	0	0.93	35	61	19	0	0	0	0
AR FORT SMITH	58	40	61	33	49	0	0.15	-0.78	0.15	16.26	152	50.90	137	67	68	0	0	1	0
LITTLE ROCK	-	-	-	-	-	-	0.89	-0.28	-	14.07	121	43.75	101	-	-	-	-	-	-
CA BAKERSFIELD	71	55	77	48	63	9	0.80	0.63	0.57	2.28	228	6.48	131	87	39	0	0	3	1
EUREKA	60	50	64	47	55	4	2.43	0.82	1.84	7.47	87	36.91	123	94	70	0	0	7	1
FRESNO	65	53	68	48	59	7	1.82	1.47	0.93	3.81	208	11.95	136	97	48	0	0	4	2
LOS ANGELES	65	58	69	53	61	0	2.17	1.72	1.44	3.55	174	12.28	123	96	64	0	0	3	2
REDDING	58	48	64	38	53	4	2.14	0.83	0.57	4.62	84	32.30	121	99	76	0	0	5	2
SACRAMENTO	63	54	72	50	58	7	1.48	0.80	-	2.24	64	18.51	127	99	69	0	0	-	-
SAN DIEGO	65	56	69	51	61	0	1.68	1.31	0.98	2.58	151	6.53	82	93	58	0	0	2	2
SAN FRANCISCO	62	55	67	53	59	5	1.72	1.01	1.11	3.13	96	21.59	136	97	78	0	0	4	1
CO DENVER	54	25	73	8	40	3	0.09	-0.10	0.09	1.61	56	8.06	55	86	46	0	6	1	0
GRAND JUNCTION	52	35	61	29	44	4	0.29	0.10	0.20	3.62	122	9.22	97	69	49	0	2	3	0
PUEBLO	61	25	80	9	43	5	0.20	0.09	0.20	1.98	109	12.57	118	94	36	0	5	1	0
CT BRIDGEPORT	46	31	53	26	39	-5	0.00	-0.91	0.00	13.70	150	47.52	127	79	46	0	6	0	0
HARTFORD	46	29	57	21	38	-2	0.12	-0.84	0.12	14.45	138	47.54	121	77	40	0	6	1	0
DC WASHINGTON	51	38	58	29	44	-4	0.08	-0.66	0.08	14.30	164	44.41	127	82	48	0	2	1	0
FL PANAMA CITY	74	58	78	46	65	6	-	-	-	-	-	-	-	98	63	0	0	-	-
DAYTONA BEACH	75	58	79	48	66	2	0.09	-0.54	0.09	15.89	127	58.36	130	95	57	0	0	1	0
JACKSONVILLE	71	52	75	41	61	-2	0.39	-0.16	0.24	16.80	134	52.67	114	98	65	0	0	3	0
KEY WEST	80	70	81	66	75	0	0.00	-0.80	0.00	18.12	129	37.32	101	85	62	0	0	0	0
MIAMI	80	66	82	62	73	0	0.08	-0.46	0.08	16.20	106	54.13	101	86	52	0	0	1	0
ORLANDO	78	67	83	49	68	1	0.03	-0.62	0.03	9.54	95	53.83	118	96	50	0	0	1	0
TALLAHASSEE	73	51	79	35	62	4	0.34	-0.53	0.31	10.66	95	46.84	78	98	64	0	0	3	0
TAMPA	78	60	80	52	69	3	0.00	-0.43	0.00	8.98	98	43.38	105	92	57	0	0	0	0
WEST PALM BEACH	80	64	82	60	72	0	0.00	-0.65	0.00	11.75	87	38.24	68	83	49	0	0	0	0
GA ATLANTA	63	45	74	35	54	3	0.60	-0.33	0.35	7.60	81	39.80	87	90	60	0	0	2	0
AUGUSTA	66	40	74	27	53	0	0.17	-0.41	0.17	5.49	71	33.18	81	93	51	0	2	1	0
MACON	68	44	73	31	56	2	0.78	0.07	0.50	7.33	106	32.82	83	94	57	0	1	4	1
SAVANNAH	70	48	74	32	58	0	0.04	-0.49	0.03	7.11	85	29.94	65	96	55	0	1	2	0
HI HILO	80	68	83	63	74	0	2.54	-0.96	1.30	26.87	91	109.83	96	93	67	0	0	4	2
HONOLULU	80	69	82	65	75	-2	0.03	-0.70	0.03	19.60	369	31.05	178	77	58	0	0	1	0
KAHULUI	81	71	82	68	76	1	-	-	-	-	-	-	-	86	63	0	0	-	-
LIHUE	-	71	-	67	-	-	-	-	-	-	-	-	-	79	65	0	0	-	-
ID BOISE	53	39	63	31	46	9	1.07	0.71	0.54	2.41	90	10.06	97	90	59	0	1	5	1
LEWISTON	41	32	46	29	37	-3	1.84	1.56	1.05	4.28	163	15.72	142	94	67	0	6	5	2
POCATELLO	51	34	60	26	43	9	0.77	0.49	0.45	2.68	101	10.22	95	85	54	0	4	3	0
IL CHICAGO	38	28	54	23	33	-4	0.38	-0.31	0.23	6.08	72	29.52	90	88	67	0	6	3	0
MOLINE	38	28	52	25	33	-4	0.24	-0.34	0.13	3.27	37	25.28	70	94	68	0	6	3	0
PEORIA	40	29	52	24	34	-4	0.39	-0.24	0.24	4.33	51	26.14	79	92	66	0	6	4	0
QUINCY	41	29	52	23	35	-5	-	-	-	-	-	-	-	97	67	0	6	-	-
ROCKFORD	36	26	51	20	31	-4	0.55	-0.04	0.27	5.76	67	40.38	120	96	71	0	7	4	0
SPRINGFIELD	42	29	52	23	35	-5	0.33	-0.28	0.29	4.41	56	26.76	90	96	68	0	7	2	0
IN EVANSVILLE	48	32	55	28	40	-6	0.24	-0.75	0.21	14.28	154	53.57	130	93	84	0	4	2	0
FORT WAYNE	38	28	52	25	33	-6	0.15	-0.51	0.14	8.16	113	39.57	127	93	67	0	7	2	0
INDIANAPOLIS	44	31	54	29	38	-3	0.11	-0.67	0.11	13.08	165	47.87	133	88	59	0	6	1	0
SOUTH BEND	39	28	52	25	33	-5	0.28	-0.49	0.18	7.95	87	39.56	112	88	60	0	6	2	0
IA DES MOINES	39	27	52	22	33	-3	0.14	-0.26	0.07	8.72	109	33.17	102	93	69	0	7	3	0
SIoux CITY	32	20	34	12	26	-7	0.05	-0.17	0.03	5.06	90	31.35	126	95	75	0	7	3	0
WATERLOO	35	22	51	18	29	-4	0.38	-0.02	0.13	9.17	123	27.85	87	97	77	0	7	4	0
KS CONCORDIA	43	27	52	19	35	-3	0.08	-0.16	0.03	9.17	157	25.76	93	95	78	0	6	3	0
DODGE CITY	51	29	64	20	40	-1	0.00	-0.18	0.00	9.41	243	32.33	156	92	67	0	5	0	0
GOODLAND	52	22	60	10	37	1	0.00	-0.15	0.00	1.31	44	19.13	109	96	80	0	7	0	0
TOPEKA	48	31	52	24	39	-2	0.06	-0.33	0.04	8.48	102	36.00	108	93	70	0	3	2	0
WICHITA	49	32	59	25	41	-2	0.01	-0.44	0.01	8.36	100	25.15	76	92	75	0	3	1	0
KY BOWLING GREEN	51	37	58	25	44	-2	1.46	0.36	0.85	13.84	138	51.13	114	98	68	0	2		

Weather Data for the Week Ending November 23, 1996

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	05 INCH OR MORE	01 INCH OR MORE	05 INCH OR MORE
ME CARIBOU	38	27	45	18	33	6	0.17	-0.68	0.07	7.12	77	35.00	107	94	68	0	7	3	0	0	0
ME PORTLAND	48	28	58	22	37	0	0.16	-1.08	0.15	18.67	169	47.65	123	86	46	0	5	2	0	0	0
MD BALTIMORE	50	29	58	20	40	-5	0.02	-0.78	0.02	12.88	143	47.80	130	86	41	0	5	1	0	0	0
MD SALISBURY	50	29	58	22	40	-7	0.08	-0.65	0.08	10.42	110	48.48	118	94	43	0	6	2	0	0	0
MA BOSTON	47	34	57	31	41	-3	0.10	-0.92	0.10	15.96	166	43.44	119	72	41	0	2	1	0	0	0
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MI ALPENA	37	26	50	15	31	-2	0.26	-0.26	0.12	9.06	132	24.41	83	86	61	0	6	3	0	0	0
MI DETROIT	39	28	52	22	34	-5	0.00	-0.65	0.00	7.25	104	22.40	77	82	56	0	6	0	0	0	0
MI FLINT	37	26	53	19	31	-6	0.14	-0.49	0.14	7.10	92	23.09	84	85	63	0	6	1	0	0	0
MI GRAND RAPIDS	37	28	52	21	32	-3	0.19	-0.61	0.19	6.36	67	24.37	75	84	64	0	6	1	0	0	0
MI HOUGHTON LAKE	36	25	48	18	30	-3	0.25	-0.27	0.15	8.28	114	31.67	123	82	60	0	7	2	0	0	0
MI LANSING	37	26	52	16	32	-3	0.03	-0.57	0.03	6.28	73	25.53	88	87	60	0	6	1	0	0	0
MI MARQUETTE	30	20	47	11	25	-3	0.30	-0.35	0.15	8.78	89	37.71	117	91	62	0	7	4	0	0	0
MI MUSKEGON	36	29	50	24	34	-4	0.26	-0.48	0.18	6.81	73	24.01	83	81	62	0	6	2	0	0	0
MI SAULT ST. MARIE	36	22	48	11	29	-2	0.72	-0.08	0.43	14.03	147	36.63	126	90	59	0	6	4	0	0	0
MN ALEXANDRIA	19	6	25	-2	13	-13	-	-	-	-	-	-	-	93	73	0	7	-	-	-	-
MN DULUTH	25	10	46	4	18	-8	0.31	-0.08	0.23	11.00	143	32.99	116	89	61	0	7	4	0	0	0
MN INT'L FALLS	20	-3	43	-12	8	-13	0.40	0.16	0.37	7.44	125	25.75	110	88	58	0	7	2	0	0	0
MN MINNEAPOLIS	30	18	49	15	24	-7	1.20	0.87	0.48	8.86	142	23.57	87	89	73	0	7	5	0	0	0
MN ROCHESTER	29	19	47	16	24	-5	1.25	0.90	0.46	8.29	118	27.93	96	91	73	0	7	5	0	0	0
MS GREENWOOD	66	50	73	39	58	5	-	-	-	-	-	-	-	95	64	0	0	-	-	-	-
MS JACKSON	67	51	75	38	59	6	2.40	1.21	2.40	6.54	88	50.28	105	95	67	0	0	1	1	1	1
MS MERIDIAN	70	49	80	31	59	5	0.86	-0.27	0.86	8.79	89	51.23	104	93	60	0	1	1	1	1	1
MO CAPE GIRARDEAU	52	36	58	32	44	-1	0.33	-0.64	0.29	11.00	115	36.30	88	93	62	0	1	2	0	0	0
MO COLUMBIA	47	34	52	30	40	-1	0.13	-0.59	0.05	12.61	130	37.44	108	91	68	0	2	4	0	0	0
MO KANSAS CITY	46	31	51	24	38	-2	0.11	-0.30	0.08	3.88	41	31.86	89	93	71	0	3	3	0	0	0
MO SAINT LOUIS	46	33	55	28	40	-4	0.43	-0.36	0.34	9.58	115	38.28	116	90	63	0	1	3	0	0	0
MO SPRINGFIELD	50	34	53	30	42	-1	0.04	-0.84	0.04	18.12	169	38.97	97	94	66	0	3	1	0	0	0
MT BILLINGS	11	2	22	-4	6	-26	0.21	0.02	0.11	2.87	91	11.84	82	87	79	0	7	3	0	0	0
MT GLASGOW	7	-5	15	-16	1	-26	0.86	0.59	0.22	4.47	248	9.84	94	89	73	0	7	5	0	0	0
MT GREAT FALLS	3	-7	13	-18	-2	-33	0.30	0.13	0.12	2.29	92	8.94	83	87	74	0	7	4	0	0	0
MT HAVRE	5	-6	14	-27	-1	-27	0.21	0.13	0.17	2.50	128	10.66	101	88	69	0	7	2	0	0	0
MT HELENA	14	-2	26	-9	8	-23	0.64	0.53	0.28	1.21	58	9.19	84	87	67	0	7	4	0	0	0
MT KALISPELL	22	9	36	0	16	-13	1.13	0.80	0.67	5.12	186	21.18	147	93	68	0	7	6	1	1	1
MT MILES CITY	18	0	28	-8	8	-21	0.36	0.24	0.11	2.46	96	12.80	95	92	68	0	7	4	0	0	0
MT MISSOULA	32	20	37	11	26	-4	1.19	0.99	0.74	2.63	108	14.30	118	89	71	0	7	2	1	1	1
NE GRAND ISLAND	36	23	43	14	29	-6	0.00	-0.24	0.00	6.52	132	30.44	127	94	69	0	7	0	0	0	0
NE LINCOLN	38	26	43	18	32	-4	0.10	-0.17	0.06	5.68	87	34.24	126	97	77	0	7	2	0	0	0
NE NORFOLK	32	20	35	11	26	-7	0.04	-0.18	0.04	6.74	140	24.88	103	92	72	0	7	1	0	0	0
NE NORTH PLATTE	39	18	56	1	29	-4	0.00	-0.14	0.00	6.02	197	24.50	131	93	69	0	7	0	0	0	0
NE OMAHA	37	27	41	18	32	-4	0.07	-0.25	0.03	8.32	117	30.54	107	91	67	0	7	3	0	0	0
NE SCOTTSBLUFF	41	18	64	-8	29	-5	0.00	-0.14	0.00	3.28	140	15.84	109	97	86	0	7	0	0	0	0
NE VALENTINE	28	9	42	0	18	-15	0.02	-0.17	0.02	6.07	144	16.78	77	96	78	0	7	1	0	0	0
NV ELY	51	33	61	28	42	10	0.91	0.77	0.52	1.97	81	6.86	73	91	51	0	4	3	1	1	1
NV LAS VEGAS	70	50	72	42	60	7	0.73	0.62	0.73	0.88	107	1.78	49	66	31	0	0	1	1	1	1
NV RENO	57	37	64	30	47	8	0.84	0.62	0.27	1.58	114	9.02	142	84	40	0	3	5	0	0	0
NV WINNEMUCCA	57	38	68	32	48	12	0.46	0.24	0.22	1.44	84	7.57	106	81	47	0	2	3	0	0	0
NH CONCORD	44	24	57	16	34	-1	0.05	-0.80	0.05	11.31	128	38.64	119	88	48	0	7	1	0	0	0
NJ ATLANTIC CITY	50	28	58	22	39	-5	0.15	-0.70	0.08	11.21	132	43.56	120	80	40	0	5	2	0	0	0
NM ALBUQUERQUE	62	35	72	26	49	7	0.46	0.38	0.48	3.56	158	9.39	113	66	30	0	2	1	0	0	0
NM CLOVIS	72	36	82	25	54	9	-	-	-	-	-	-	-	83	21	0	3	-	-	-	-
NM ROSWELL	74	36	88	26	55	6	-	-	-	-	-	-	-	67	24	0	1	-	-	-	-
NY ALBANY	42	29	48	18	35	-3	0.40	-0.37	0.33	8.91	107	38.42	118	86	58	0	5	2	0	0	0
NY BINGHAMTON	38	28	54	24	33	-3	0.45	-0.32	0.24	11.28	130	40.43	121	88	57	0	6	4	0	0	0
NY BUFFALO	43	30	56	27	37	-2	0.12	-0.80	0.08	13.89	146	43.32	127	85	60	0	6	3	0	0	0
NY NEW YORK	48	38	56	36	43	-2	0.00	-0.91	0.00	10.82	114	39.25	103	66	41	0	0	0	0	0	0
NY ROCHESTER	42	28	57	23	36	-3	0.21	-0.48	0.09	12.78	167	40.37	141	89	59	0	6	4	0	0	0
NY SYRACUSE	40	31	51	25	35	-3	0.20	-0.68	0.08	11.15	113	34.73	99	89	65	0	6	5	0	0	0
NC ASHEVILLE	52	36	59	23	44	-2	0.52	-0.47	0.26	8.79	72	41.85	82	95	63	0	3	2	0	0	0
NC CHARLOTTE	57	40	65	30	49	-2	1.00	0.26	0.50	9.00	97	37.24	96	88	54	0	2	3	1	1	1
NC GREENSBORO	53	35	62	24	44	-4	0.46	-0.23	0.24	16.75	180	46.18	119	94	48	0	3	2	0	0	0
NC HATTERAS	54	45	57	41	49	-6	1.00	-0.15	0.65	13.03	93	-	-	91	67	0	0	2	1	1	1
NC NEW BERN	59	39	67	33	49	-5	1.30	0.54	0.97	16.33	157	52									

Weather Data for the Week Ending November 23, 1996

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	05 INCH OR MORE	
OK TOLEDO	40	28	55	22	34	-4	0.14	-0.55	0.14	5.96	84	26.04	88	86	60	0	6	1	0	
OK YOUNGSTOWN	40	29	53	26	36	4	0.04	-0.70	0.04	11.40	136	37.28	110	90	65	0	6	1	0	
OK OKLAHOMA CITY	58	38	89	30	49	1	0.04	-0.38	0.04	10.85	126	37.07	117	92	82	0	2	1	0	
OR TULSA	57	39	85	31	48	0	0.17	-0.53	0.17	16.57	154	29.80	79	92	58	0	2	1	0	
OR ASTORIA	44	35	48	30	40	-8	3.12	0.63	1.45	21.05	128	67.50	128	97	79	0	2	7	2	
OR BURNS	49	30	57	20	39	-6	0.67	0.37	0.29	2.41	107	10.81	124	97	61	0	6	6	0	
OR MEDFORD	53	43	66	41	48	6	2.92	2.11	2.04	6.06	126	20.75	140	96	82	0	0	6	1	
OR PENDLETON	41	31	56	25	36	-4	1.39	1.00	0.91	3.24	122	12.09	120	95	78	0	6	4	1	
OR PORTLAND	43	34	48	28	39	-6	4.98	3.64	3.09	15.17	179	47.24	163	99	82	0	3	7	2	
OR SALEM	46	34	53	27	40	-4	6.31	4.73	3.35	14.74	157	50.00	161	99	78	0	2	7	2	
PA ALLENTOWN	46	26	54	19	38	-5	0.16	-0.78	0.12	14.70	150	47.17	120	82	46	0	6	2	0	
PA ERIE	41	33	51	29	37	-4	0.18	-0.78	0.15	16.42	148	48.02	124	88	69	0	4	3	0	
PA HARRISBURG	47	33	60	23	40	-3	0.07	-0.76	-	10.49	116	46.45	126	80	47	0	3	-	-	
PA PHILADELPHIA	48	31	55	26	40	-4	0.08	-0.88	0.06	10.78	105	43.56	105	76	43	0	6	2	0	
PA PITTSBURGH	42	28	54	24	35	-5	0.26	-0.43	0.14	10.54	141	41.80	126	90	63	0	6	2	0	
PA SCRANTON	42	30	53	24	38	-4	0.27	-0.45	0.23	12.02	142	42.87	129	79	52	0	6	2	0	
RI PROVIDENCE	48	32	59	28	40	-2	0.04	-1.02	0.04	12.76	121	40.76	101	73	40	0	4	1	0	
SC CHARLESTON	86	45	74	32	58	-1	0.09	-0.50	0.08	10.06	107	37.06	78	92	58	0	1	2	0	
SC COLUMBIA	80	40	70	28	50	-3	0.70	0.01	0.44	6.29	71	30.89	68	94	56	0	2	3	0	
SC FLORENCE	80	39	68	28	49	-4	-	-	-	-	-	-	-	97	55	0	1	-	-	
SC GREENVILLE	57	41	64	29	48	-1	1.08	0.23	0.83	8.52	79	46.09	98	87	56	0	1	2	1	
SD ABERDEEN	16	3	25	-5	10	-17	0.84	0.70	0.27	10.09	258	24.09	118	91	77	0	7	5	0	
SD HURON	23	8	30	2	18	-14	0.01	-0.13	0.01	5.23	139	18.22	93	89	74	0	7	1	0	
SD RAPID CITY	18	8	27	2	13	-19	0.03	-0.08	0.03	3.84	139	18.98	118	92	76	0	7	1	0	
SD SIOUX FALLS	26	14	32	9	20	-10	0.52	0.29	0.20	6.87	122	18.91	82	95	82	0	7	6	0	
TN CHATTANOOGA	58	41	64	29	49	1	0.86	-0.28	0.43	11.70	108	49.03	104	92	58	0	1	3	0	
TN KNOXVILLE	54	39	59	26	47	-1	1.99	1.07	1.13	10.06	115	43.72	106	98	69	0	2	4	2	
TN MEMPHIS	58	45	64	35	52	1	1.05	-0.23	0.90	16.50	159	61.69	136	94	66	0	0	2	1	
TN NASHVILLE	55	41	58	27	48	0	1.12	0.09	0.83	11.80	126	42.18	101	95	68	0	2	3	1	
TX ABILENE	71	43	89	35	57	5	0.00	-0.31	0.00	9.35	136	26.15	113	92	48	0	0	0	0	
TX AMARILLO	67	32	85	21	50	6	0.00	-0.14	0.00	3.10	80	19.63	103	88	36	0	3	0	0	
TX AUSTIN	73	55	82	51	64	5	0.89	0.38	0.89	5.71	96	24.05	81	94	68	0	0	1	1	
TX BEAUMONT	76	64	81	57	70	10	0.18	-0.98	0.18	18.87	133	44.89	87	97	73	0	0	1	0	
TX BROWNSVILLE	86	65	86	59	75	8	0.00	-0.32	0.00	20.52	206	27.74	111	99	66	0	0	0	0	
TX CORPUS CHRISTI	85	65	91	60	75	10	0.00	-0.33	0.00	4.22	44	17.13	60	92	82	1	0	0	0	
TX DEL RIO	77	58	85	51	67	8	0.01	-0.24	0.01	3.00	44	10.08	43	90	53	0	0	1	0	
TX EL PASO	75	40	82	32	59	7	0.00	-0.11	0.00	1.24	45	8.94	108	42	18	0	1	0	0	
TX FORT WORTH	67	49	79	41	58	8	0.51	0.00	0.41	8.81	83	27.86	90	93	65	0	0	2	0	
TX GALVESTON	74	67	80	62	71	8	0.00	-0.82	0.00	7.24	95	28.98	76	97	77	0	0	0	0	
TX HOUSTON	77	62	82	58	70	11	0.00	-1.24	0.00	10.13	72	31.88	66	92	68	0	0	0	0	
TX LUBBOCK	72	37	88	28	55	7	0.00	-0.14	0.00	0.92	18	13.19	73	90	30	0	1	0	0	
TX MIDLAND	76	42	90	33	59	7	0.28	0.11	0.26	1.50	30	7.99	55	90	29	1	0	1	0	
TX SAN ANGELO	73	48	87	44	60	7	0.57	0.36	0.57	6.04	91	20.74	106	94	51	0	0	1	1	
TX SAN ANTONIO	74	57	84	55	66	7	0.26	-0.31	0.26	5.00	58	13.80	48	91	61	0	0	1	0	
TX VICTORIA	80	62	84	56	71	10	0.00	-0.83	0.00	6.00	44	22.92	55	95	60	0	0	0	0	
TX WACO	71	51	82	45	61	5	0.36	-0.17	0.36	4.45	51	21.35	72	92	70	0	0	1	0	
TX WICHITA FALLS	62	41	72	34	52	1	0.88	0.51	0.86	8.42	106	21.35	78	93	55	0	0	1	0	
UT CEDAR CITY	56	36	65	29	48	8	1.06	0.84	0.79	3.17	116	11.57	109	81	48	0	1	2	1	
UT SALT LAKE CITY	58	41	68	30	50	11	0.80	0.50	0.75	3.93	106	15.32	105	75	46	0	1	3	1	
VT BURLINGTON	38	26	47	19	32	-2	0.73	0.00	0.58	9.04	105	37.86	120	91	81	0	7	3	1	
VA NORFOLK	50	38	57	32	44	-7	0.78	0.12	0.63	9.26	101	47.56	117	93	82	0	1	4	1	
VA RICHMOND	50	34	56	25	42	-6	0.75	0.03	0.51	16.42	175	48.08	123	93	48	0	3	4	1	
VA ROANOKE	50	34	56	23	42	-4	0.72	0.00	0.53	11.19	114	47.25	126	87	47	0	3	2	1	
WA QUILLAYUTE	41	29	46	25	35	-8	1.59	-1.98	0.58	24.52	91	76.32	88	95	69	0	7	5	2	
WA SEATTLE-TACOMA	38	29	42	23	34	-11	1.56	0.12	0.45	10.40	108	38.23	127	92	75	0	5	5	0	
WA SPOKANE	32	26	39	17	29	-4	1.86	1.32	1.26	6.50	196	19.42	143	98	89	0	6	8	1	
WA YAKIMA	35	-	47	-	-	-	2.12	1.85	1.33	3.08	190	8.61	137	95	83	0	7	5	1	
WV BECKLEY	45	33	58	25	39	-3	0.85	0.14	0.47	11.29	133	50.72	136	91	82	0	3	3	0	
WV CHARLESTON	47	33	62	28	40	-5	0.72	-0.13	0.32	12.52	141	52.12	136	96	83	0	3	3	0	
WV HUNTINGTON	47	31	65	24	39	-3	0.83	-0.05	0.47	8.86	99	46.04	118	90	83	0	3	3	0	
WV PARKERSBURG	44	30	57	26	37	-5	0.46	-0.18	0.18	9.38	122	44.19	119	95	82	0	6	3	0	
WI GREEN BAY	34	20	52	16	27	-5	0.38	-0.12	0.30	4.88	64	23.10	86	90	61	0	7	3	0	
WI LACROSSE	33	24	48	19	29	-4	1.17	0.78	-	8.48	115	27.93	97	91	82	0	7	-	-	
WI MADISON	34	23	50	14	28	-5	0.47	-0.01	0.16	4.82	62	28.43	95	90	70	0	7	4	0	
WI MILWAUKEE	38	27	54	23	33	-3	0.16	-0.44	0.12	5.01	65	20.75	69	82	60	0	6	2	0	
WI WAUSAU	32	21	48	15	26	-3	0.36	-0.08	0.17	7.71	91	32.98	106	83	60	0	7	3	0	
WY CASPER	49	20	63	6	34	4	0.00	-0.17	0.00	2.79	111	9.73	83	86	52	0	6	0	0	
WY CHEYENNE	51	24	64	3	37	4	0.00	-0.11	0.00	3.02	126	15.46	112	89	48	0	6	0	0	
WY LANDER	45	24	67	1	35	6	0.03	-0.14	0.03	1.73	80	8.13	66	81	56	0	5	1	0	
WY SHERIDAN	20	6	27	-2	13	-17	0.13	-0.05	0.11	2.65	83	12.09	86	88	70	0	7	2	0	
PR SAN JUAN	-	-	-	-	-	-	-	-	-	-	-	62.86	140	-	-	-	-	-	-	

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

National Agricultural Summary

November 18 - 24, 1996

HIGHLIGHTS

Another week of cold, wet weather limited harvest activity and small grain seeding over parts of the Nation. Continued wet conditions and low temperatures in the Midwest slowed the dry down of row crops still in the field. Snow, frozen ground, and lodging slowed harvest progress in parts of the Corn Belt. Persistently wet conditions in the central Great Plains left producers waiting for fields to freeze to support the combines. Ice,

snow, and rain delayed the row-crop harvest in the southern Great Plains and western Delta, and flooded some fields. Deep snow in the Dakotas caused producers to leave some row crops unharvested until spring. Showers over the Southeast slowed the harvest but improved small grain and pasture condition. Heavy rains along the Pacific Coast halted all field activities and caused some flooding.

Winter wheat condition was mostly good to fair, virtually unchanged from last week. In Colorado, wheat emergence was slow on some replanted fields. Wet weather delayed wheat seeding in the southern and central Great Plains. In the Mountain States, wheat was protected from wind damage by the snowpack.

Corn harvested at 93 percent (%) complete was up 5 percentage points from last week and 1 point ahead of the 5-year average. Lodging in Indiana slowed harvest progress. Wet conditions slowed the harvest in the Corn Belt, but producers continued where the weather permitted. Corn harvested in Ohio, at 76% complete, was 11 points behind the average.

Cotton acreage harvested was estimated at 82%, up 5 points from last week. In Missouri, the cotton harvest at 88% complete is 2 weeks behind schedule. Cotton growers in Arizona harvested 78% of their acreage, up 4 points from the previous week, but 14 points behind the average. The cotton harvest in Texas at 69% complete made good progress in the Plains, with backlogs at some gins reported. Producers in northern Texas, waiting for freezing temperatures, were encouraged by the cooler weather later in the week. Some cotton producers in Tennessee were doubtful that the cotton harvest would be completed by year's end.

Soybean acreage harvested, at 94%, was up 2 points from last week, but 3 points less than the average. In Tennessee, the soybean harvest was 68% complete, nearly 2 weeks behind normal, due to delays from rainy weather. Widespread rainfall slowed the soybean harvest in the Delta.

With only 2 days suitable for fieldwork in Missouri, due to rainy weather, the soybean harvest was 2 weeks behind normal.

Soybeans Percent Harvested				
	Nov 24 1996	Prev Week	Prev Year	5-Yr Avg
AL	84	77	75	82
AR	75	73	97	94
GA	76	69	62	71
IL	99	98	100	99
IN	98	96	100	100
IA	100	99	100	100
KS	92	91	100	98
KY	92	78	96	94
LA	100	99	100	97
MI	98	95	100	97
MN	99	99	99	99
MS	97	94	99	92
MO	90	86	100	95
NE	100	100	100	100
NC	58	42	40	54
OH	93	90	100	100
SC	63	55	44	50
SD	100	100	100	100
TN	68	59	86	88
ALL	94	92	97	97
These 19 States produced 94% of the 1995 soybean crop.				

(Continued on back cover)

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, 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/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 4.8. Topsoil 1% very short, 17% short, 74% adequate, 8% surplus. Wheat planted 65%, 66% 1995, 73% avg. Livestock 2% poor, 31% light, 38% active, 23% excellent. Damp weather delayed soybean, cotton harvest in many areas. Pecans continued to drop and harvest pace quickened.

ARIZONA: Small grain land preparation, planting continues; some growers still deciding between wheat, barley, oats. Cotton harvest continues active; behind normal. Alfalfa 1% poor, 42% fair, 49% good, 8% excellent. Harvest activity 39% light, 38% active, 23% finished or not active. Sheeping was off light. Harvest of iceberg lettuce continued to gain momentum in the western fields; steady in the central area; and coming to a close in the eastern production area. Western, central growers also shipped Boston, leaf, and Romaine lettuces. Cantaloupe, honeydew harvest was nearing completion in both central, western areas. Watermelon harvest was complete. Central area growers also harvested broccoli, bok choy, cabbage, endive, escarole, greens, kale, green onions, leeks, napa, radishes, spinach. Bok choy, broccoli, kale, spinach were also being shipped from the western area. Chile peppers continued to be harvested in eastern fields. Lemons and grapefruit were picked and shipped from both western and central production areas, as well as limited volume tangerines and tangelos. Harvest of State's pecan crop is expected to gain momentum over the next 10 to 14 days. The eastern apple harvest was steady.

ARKANSAS: Main farming activities: Ginning cotton, harvesting cotton, soybeans. Excessive rainfall continued to detain fieldwork. Soybean harvest persevered in a few counties. Some harvest progress was made. Harvest continued to fall behind schedule due to surplus soil moisture. Some soybeans remain under water. Approximately 75% of beans have been harvested, compared with 97% in 1995 and the 94% avg.. Cotton harvest and ginning progressed in several counties. Approximately 95% of cotton has been harvested with 100% 1995, 98% avg. Wheat planting is completed. Roughly 60% of wheat anticipated by farmers was planted due to weather conditions. Livestock remain in good condition across the State.

CALIFORNIA: Field activities were virtually halted by moderate to heavy rainfall in most areas. Rice harvest was complete. Stubble was incorporated into the soil where conditions permitted. Cotton harvest made minimal progress due to wet conditions. Many unharvested fields suffered rain-stained lint which will cause severe quality grade reductions. Corn harvest for grain, silage was winding down. Grain sorghum harvest continued in the southern San Joaquin Valley. Limited aerial seeding of small grains, new alfalfa, and winter forages was ongoing between rains. Wheat, barley, alfalfa, and forage crops grew rapidly with the additional moisture. Sugarbeets were planted in the southern San Joaquin Valley. Alfalfa was cut for hay or greenchopped. Red crimson, Emperor table grape varieties were harvested in San Joaquin County. Stone fruit and almond orchards were pruned. Harvests of persimmons, olives, kiwifruit, and Fuji variety apples slowly progressed where conditions permitted. Picking of lemons, mandarins, grapefruit, pummelos continued. Navel orange harvest gained momentum. Maturation was about 10-15 days ahead of schedule in the San Joaquin Valley, with large sizes reported. Broccoli, cauliflower were harvested in the Salinas-Watsonville area, in the San Joaquin Valley. Lettuce harvest continued in the San Joaquin Valley, Santa Maria-Oceano area. Sweet corn was harvested in the San Joaquin Valley. Carrots were harvested in Fresno and Kern Counties. Green beans were harvested in Tulare County. Harvesting of brussels sprouts progressed in Monterey County. Cabbage was harvested in Fresno County. Onion harvest continued in the Antelope Valley and in

Monterey County. Harvesting of fresh market tomatoes, squash, and cucumbers was winding down in the San Joaquin Valley. Garlic planting continued in the San Joaquin Valley. Merced County sweet-potato harvest was complete. Cantaloupe, honeydew melon harvesting was almost over in the Imperial and Coachella Valleys. Recent rainfall and mild temperatures were timely and beneficial for germinating rangeland grasses. Cattle were shipped from higher elevation pastures. Supplemental feeding was ongoing. Sheep were grazing on sudangrass, alfalfa pastures.

COLORADO: Harvest of corn, sorghum is winding down as a few late fields have yet to be threshed. Hardly any precipitation was received last week. Therefore, weather was not a limiting factor in harvest operations. Almost all of the winter wheat is now emerged. Emergence has been slow on fields that needed to be replanted because of heavy rains in September. Currently, top soils are dry in many areas, more moisture is needed to ensure good root development for entering the winter months. Now that most fieldwork is complete, farmers are cleaning up equipment for winter storage, fixing fence for livestock to forage on harvested fields.

DELAWARE: Days suitable for fieldwork 5.8. Topsoil 1% short, 94% adequate, 5% surplus. Subsoil 1% short, 97% adequate, 2% surplus. Corn 97% harvested for grain, 100% 1995, 99% avg. Soybeans 77% harvested, 78% 1995, 86% avg. Other hay 89% 4th cutting, 95% avg. Barley 9% fair, 90% good, 1% excellent. Winter wheat 11% fair, 87% good, 2% excellent; 91% planted, 94% 1995, 94% avg. Hay supplies 1% very short, 27% short, 72% adequate. Activities: Harvest of soybeans, planting small grain crops winding down; preparation for winter; elevators slow to take sorghum because they are getting full.

FLORIDA: Topsoil short to adequate throughout State with scattered areas very short. Cotton harvest winding down. Soybean harvest complete. Sugarcane harvest, planting active. Winter wheat planting delayed by dry soil conditions. Clear weather sped vegetable harvesting to meet holiday demand. Irrigation of vegetables increasing to ensure proper soil moisture supplies. Volume leaders: peppers, tomatoes, sweet corn, cucumbers, snap beans, squash, eggplant, radishes, cabbage, lettuce, endive, escarole, okra, strawberries, watermelons. Dry most citrus areas. Caretakers irrigating, new growth slowed. Fruit good condition, good on-tree color. Fresh harvest increasing for Thanksgiving. Most processors open. Caretakers cutting cover crops, very little spraying, fertilizing. Pasture feed poor 20%, fair 40%, good 40%. Pastures throughout State need rain. Pasture grass north in poorer condition, too cool for permanent grasses, too dry for winter (small grain) pasture. Poor germination of recently seeded winter pasture due to lack of moisture. Condition of cattle herds poor 5%, fair 50%, good 45%.

GEORGIA: Days suitable for fieldwork 4.9. Soil moisture 3% very short, 23% short, 64% adequate, 10% surplus. Cotton 2% very poor, 6% poor, 36% fair, 48% good, 8% excellent. Rye 90% planted, 94% 1995, 89% avg. Sorghum 6% very poor, 6% poor, 35% fair, 51% good, 2% excellent; 88% harvested for grain, 96% 1995, 94% avg. Soybeans 1% very poor, 6% poor, 35% fair, 51% good, 7% excellent. Wheat 42% planted, 58% 1995, 46% avg.; 27% emerged, 34% 1995, 27% avg. Other small grains 80% planted, 85% 1995, 78% avg. Onions 27% fair, 73% good; 43% transplanted, 41% 1995, 39% avg. Pecans 1% very poor, 10% poor, 40% fair, 40% good, 9% excellent; 67% harvested, 69% 1995, 65% avg. Pasture feed 1% very poor, 13% poor, 45% fair, 39% good, 2% excellent. Showers improved wheat, row crop harvest slowed due to showers. Onion transplanting ahead of normal. Pecan harvest slowed. Showers

improved fall pasture prospects. Activities: Mowing cotton stalks, sampling soil and nematodes, preparing soil for tobacco beds, and harvesting fall vegetables.

HAWAII: Agriculture benefited from the return of the gentle trade wind weather. Mostly sunny days helped previously rain-soaked areas on Kauai, Oahu, and Molokai Islands to recover. Field preparation was delayed until midweek due to mud. Two weeks of rain and the return of normal trade wind weather helped lift mandatory water restrictions in major agricultural areas of Maui and Hawaii Islands. Banana harvesting was expected to pick up on Oahu as farmers salvage marketable fruits. Papaya production was to seasonally decline. Head cabbage supplies were moderate to heavy and were unaffected by the recent rains. The cucumbers production was down due to adverse weather. Sweet corn yields were lighter than normal due to excessive rain and cloudy skies. Ginger root harvesting was slowed by wet conditions; production was expected to increase in the coming weeks. Pastures were turning green.

IDAHO: Days suitable for fieldwork 2.1. Rainy weather slowed harvest of grain corn, fall fieldwork. Topsoil 6% short, 77% adequate, 17% surplus. Winter wheat emerged 94%, 93% 1995, 92% avg. Corn harvested for grain 81%. Hay, roughage supply 16% short, 72% adequate, 12% surplus. Activities: Livestock care.

ILLINOIS: Snow in the northern districts late in the week slowed harvest, harvest 96% complete statewide by the end of the week. Fieldwork included fall tillage, application of fertilizer, anhydrous ammonia, caring for livestock.

INDIANA: Days suitable for fieldwork 4.5. Topsoil 2% short, 81% adequate, 17% surplus. Subsoil 8% short, 83% adequate, 9% surplus. Harvesting of corn is slow in many fields because of lodged stalks. Dry-down of corn has been slow because of the cool, wet weather. Average moisture content of harvested corn 22%. Percent of corn harvested by region: 91% north, 88% central, 93% south. Livestock reported to be in mostly good condition. Roughage supplies getting short, some areas. Activities: Chopping stalks, hauling grain, spreading fertilizer and lime, tilling, cleaning, repair of equipment, hauling manure, care of livestock.

IOWA: Days suitable for fieldwork 2.6. Farmers were busy finishing fall harvest before rain, snow hit later in the week. Frozen field covered with snow has halted fieldwork in the north. Many big rigs pulled through the mud in the south, further fieldwork will be very difficult. Corn harvest 95%, 100% 1995, 94% avg. Grain movement 17% none, 52% light, 30% moderate, 1% heavy. Grain storage availability off-farm 10% short, 83% adequate, 7% surplus; on-farm 4% short, 87% adequate, 9% surplus. Completion of 1997 row crop fall tillage 41%, 48% 1995, 43% avg.; fall fertilizer applied 37%, 34% 1995, 30% avg. Livestock in satisfactory condition, with feedlot conditions worsening due to freezing rain.

KANSAS: Days suitable for fieldwork 1.1. Topsoil 5% short, 53% adequate, 42% surplus. Subsoil 5% short, 81% adequate, 14% surplus. Most areas received substantial rain early in the week. Wet weather prevented further progress of wheat seeding, slowed fall crop harvest. Corn, sorghum harvest are about on par with the average, harvest of soybeans is somewhat behind average progress. Wheat diseases such as stem rust, wheat streak mosaic, and septoria have been found over much of the State. Pastures are in good condition for this time of year, supplemental feeding is necessary in most cases. Stockmen continue to move cattle to crop stubble. Activities: Weaning calves, fall harvest.

KENTUCKY: Relative humidities generally favorable for tobacco stripping. Topsoil, subsoil moisture mostly adequate to surplus. Burley tobacco stripping, transporting to markets active. Over half the crop stripped. Corn, soybean harvest in final stages, completion delayed many areas by wet field conditions. Winter Wheat mostly good going into winter. Pastures mostly good to fair. Cattle good

condition, adequate feed supplies most areas. A few areas feeding hay.

LOUISIANA: Days suitable for fieldwork 4.4. Soil moisture 4% short, 63% adequate, 33% surplus. Pecans 64% harvested, 65% 1995, 58% avg. Sunny weather allowed soybean growers to finish up harvesting. Sugarcane 7% poor, 24% fair, 50% good, 19% excellent; 56% harvested, 55% 1995, 61% avg.; harvest continued but sucrose content was below average in some areas. Sweetpotatoes 97% harvested, 95% 1995, 95% avg. Wheat 73% planted, 87% 1995, 79% avg.; 60% emerged, 77% 1995, 69% avg.; planting made excellent progress except for localized areas that received rain. Livestock 4% poor, 33% fair, 59% good, 4% excellent. Vegetables 1% very poor, 8% poor, 42% fair, 47% good, 2% excellent. Pasture feed 1% very poor, 9% poor, 36% fair, 51% good, 3% excellent. Winter pasture growth was good because of above average temperatures.

MARYLAND: Days suitable for fieldwork 5.8. Topsoil 96% adequate, 4% surplus. Subsoil 96% adequate, 4% surplus. Corn 96% harvested for grain, 99% 1995, 94% avg. Soybeans 84% harvested, 81% 1995, 83% avg. Alfalfa hay 85% 5th cutting, 60% 1995, 81% avg. Other hay 95% 4th cutting, 98% 1995, 94% avg. Hay supplies 6% very short, 6% short, 87% adequate, 1% surplus. Barley 25% fair, 73% good, 2% excellent. Rye 1% poor, 20% fair, 76% good, 3% excellent; 95% planted, 97% 1995, 96% avg. Winter wheat 4% poor, 25% fair, 66% good, 5% excellent; 94% planted, 97% 1995, 94% avg. Tobacco stripped 24%, 34% 1995, 33% avg. Activities: Small grain planting winding down, cool weather delaying wheat germination in some areas; harvesting soybeans; preparation for winter.

MICHIGAN: Many parts of the State have seen snow cover to protect the winter wheat. In other areas, cold weather combined with adequate soil moisture left many farmers with frozen ground slowing tillage. Topsoil 3% short, 90% adequate, 7% surplus. Subsoil 2% very short, 13% short, 81% adequate, 4% surplus.

MINNESOTA: Corn 97% harvested, 99% 1995, 93% avg. Soybeans 99% harvested, 99% 1995, 99% avg.

MISSISSIPPI: Days suitable for fieldwork 3.3. Soil moisture 5% short, 53% adequate, 42% surplus. Soybeans 97% harvested, 99% 1995, 92% avg. Wheat 97% planted, 97% 1995, 88% avg.; 93% emerged, 84% 1995, 78% avg.; 34% fair, 64% good, 2% excellent. Pecans 58% harvested, 66% 1995, 59% avg.; 4% very poor, 9% poor, 37% fair, 46% good, 4% excellent. Sweetpotatoes 100% harvested, 100% 1995, 100% avg. Cattle 1% very poor, 3% poor, 20% fair, 65% good, 11% excellent. Main farming activities: Harvesting soybeans. Cotton farmers are scrapping of remaining cotton fields. Cattle producers are beginning to graze their herds on winter pastures, feed hay, and other feed supplement. Soil moisture 5% short, 53% adequate, 42% surplus.

MISSOURI: Days suitable for fieldwork 2.2. Topsoil 1% short, 61% adequate, 38% surplus. Rain, poor drying weather continued to limit row crop harvesting across the State for a third consecutive week. Corn harvest progress ranged from 86% in the northwest to complete in the southern districts. The soybean harvest ranged from 78% in the southeast to 96% in the northeast and southwest. Sorghum was harvested 92%, compared with 98% in 1995 and the 94% avg. Sorghum harvest varies from 75% in the central area to virtual completion in the southwest and southeast. Pasture feed and range were 1% very poor, 12% poor, 38% fair, 46% good, and 3% excellent.

MONTANA: Days suitable for fieldwork 0.2. Topsoil 8% very short, 29% short, 54% adequate, 9% surplus. Subsoil 18% very short, 40% short, 41% adequate, 1% surplus. Heavy snow, very cold temperatures in many locations. Protectiveness of snow cover on winter wheat 1% poor, 46% fair, 39% good, 14% excellent. Wind

damage to date on winter wheat 73% none, 24% light, 3% moderate. Cattle and calves moved from summer ranges, 95%. Sheep and lambs moved from summer ranges, 98%. Cattle and calves receiving supplemental feed, 62%. Sheep and lambs receiving supplemental feed, 56%. Grazing 23% open, 57% difficult, and 20% closed.

NEBRASKA: Days suitable for fieldwork 1.8. Topsoil was 7% short, 72% adequate, and 21% surplus. Subsoil was 6% short, 88% adequate, and 6% surplus. Fall harvest and tillage operations were slowed or halted last week due to snow and icy conditions. Corn was 95% harvested, compared with 98% in 1995 and the 92% avg.; harvest was least advanced in central counties with 89% combined as of Sunday. Sorghum was 94% harvested, compared with 100% in 1995 and the 97% avg.; due to wet conditions, producers in the southeast counties continued to have the largest percentage remaining to be harvested; and harvest is expected to pick up once the ground has frozen. Wheat was 2% poor, 27% fair, 64% good, and 7% excellent; snow received in western counties provided limited snow cover. Activities: Fencing stalks, delivering grain, and working cattle.

NEVADA: Fall seeded grains continued to show good growth. Winter wheat and barley reported to be in fair to good condition. Irrigation season over except in the far south. Pistachio and pecan harvests continued in the far south. Last cutting of alfalfa underway in the farm south; fields were being grazed elsewhere. Winter feed and forage supplies were adequate statewide, although were costly relative to the cattle price. Rains further freshened fall pastures for cattle. Livestock marketing continued. Main farm and ranch activities: Finishing harvests, marketing calves, and working livestock.

NEW ENGLAND: Major farm activities: Farmers preparing fields for winter by cleaning barnyards and emptying manure pits. Some farm stands selling squash, pumpkins, apples for the Thanksgiving holiday before closing for the season. Christmas tree growers beginning to sell trees.

NEW JERSEY: Days suitable for fieldwork 6. Harvesting of beets, cabbage, Turnips, endive, kale, mustard and spinach greens, parsley, field corn, soybeans reported. Limited planting of cover crops continues. Pastures remain in good condition.

NEW MEXICO: Days suitable for fieldwork 6.5. Soil 12% very short, 37% short, 51% adequate. Winter wheat 1% very poor, 2% poor, 31% fair, 55% good, 11% excellent with 60% of the crop being grazed. Corn 1% poor, 6% fair, 62% good, 31% excellent; harvest completion for grain is 93%. Cotton 4% poor, 13% fair, 59% good, 24% excellent; cotton harvested 81%, 72% 1995, 69% avg. Sorghum 47% poor, 29% fair, 24% good; harvested 64%, 73% 1995, 72% avg. Chile 1% poor, 14% fair, 75% good, 10% excellent; red chile harvest is 67% complete. Onion 1% fair, 69% good, 30% excellent. Planting 80% complete. Pecan 1% poor, 31% fair, 53% good, 15% excellent; harvest 21% complete. Cattle condition 1% very poor, 2% poor, 31% fair, 61% good, 5% excellent; sheep 6% very poor, 5% poor, 30% fair, 51% good, 8% excellent. Range, pasture feed 5% very poor, 15% poor, 42% fair, 32% good, 6% excellent.

NEW YORK: Corn harvest complete. Dry bean harvest complete. Apples and potatoes were being graded and packed. Cider making continued. Cold weather has ended most field activities. Orchard clean-up complete. Machinery being prepared for winter storage.

NORTH CAROLINA: This week saw more rain and slightly below normal temperatures, reducing the number of days suitable for fieldwork. This is a busy season for North Carolina's turkey farmers who provide 20% of all the nation's turkeys. Soil moisture 2% short, 56% adequate, 42% surplus. Statewide, 4.2 days were suitable for fieldwork. Oats planted 91%, 76% 1995, 84% avg.; barley planted 93%, 88% 1995, 91% avg.; rye planted 82%, 89% 1995, 87% avg.; sorghum harvested 96%, 89% 1995, 92% avg.; crop conditions: oats

1% poor, 23% fair, 75% good, 1% excellent; barley 17% fair, 76% good, 7% excellent; rye 1% very poor, 3% poor, 24% fair, 61% good, 11% excellent; pasture 2% very poor, 14% poor, 41% fair, 40% good, 3% excellent; cotton 1% very poor, 5% poor, 31% fair, 60% good, 3% excellent; soybeans 1% very poor, 7% poor, 42% fair, 45% good, 5% excellent. Activities for the week included: Harvesting Christmas trees; seeding small grains; defoliating, harvesting cotton; harvesting soybeans, sorghum; maintaining pastures; tending livestock; repairing equipment; general farm maintenance. Mid-Atlantic Farm Show was a success in Wilson last week. The Department of Agriculture booths drew many visitors.

NORTH DAKOTA: Many producers held off selling grain, but were marketing calves. Livestock condition was good, and feed supplies should be adequate for the winter. Other activities including storing machinery and equipment, as well as attending agriculture-related meetings.

OHIO: Days suitable for fieldwork 5.0. Topsoil 1% short 74% adequate, 25% surplus. Field activities limited by snow, wet fields in northern areas. Corn harvest 76% complete; 87% normal. Soybean harvest is 92% complete; 100% normal. Pastures going dormant. Livestock 1% very poor, 3% poor, 22% fair, 61% good, 13% excellent.

OKLAHOMA: Wet field conditions have slowed the harvesting of row crops and the finalizing of small grains planting. Days suitable for fieldwork 2.5. Topsoil 2% short, 79% adequate, 19% surplus. Subsoil 3% short, 93% adequate, 4% surplus. Wheat 21% grazed, 6% 1995, 17% avg. Oats 86% planted, 74% 1995, 80% avg.; 66% up-to-stand, 57% 1995, 69% avg. Soybeans 90% harvested, 89% 1995, 85% avg. Peanuts 85% combined, 93% 1995, NA avg. Livestock 1% poor, 16% fair, 78% good, 5% excellent. Feeder steers, heifers were \$1/cwt to \$2/cwt higher.

OREGON: Activities: Fall nursery digging and container movement continued. Domestic Christmas tree sale preparation was in full swing. In the Willamette Valley, broccoli, carrot, and cauliflower harvests was winding down. The Willamette Valley, southwestern valleys, and coast were hit by flooding and mudslides. Cattle and sheep continued in good to excellent condition. Fall calving was winding down. Eastern cattle were mostly in winter quarters in the snow and ice hit area. Western pastures were very wet.

PENNSYLVANIA: Days suitable for fieldwork were 4.5. Soil moisture was 1% short, 71% adequate, and 28% surplus. Last week was a fair week for fieldwork. Some fields in the northwestern counties were covered with snow. The ground was also frozen, and farmers were contending with frozen ruts. Corn and soybean harvests continued. Soybean harvest was 86% complete, compared with 84% in 1995 and the 85% avg. Fall plowing was 91% complete, compared with 94% in 1995 and the 96% avg. Wheat emerged 94% complete. Barley emerged 96% complete. The alfalfa fourth cutting was 94% complete, compared with 93% in 1995 and the 93% avg.. Hay quality made 11% very poor, 15% poor, 37% fair, 36% good, and 1% excellent. Activities: Harvesting corn, soybeans; making some hay; fixing fences; hauling manure; caring for livestock; and cleaning and storing equipment.

SOUTH CAROLINA: Soil moisture ratings were 8% very short, 10% short, 70% adequate, 12% surplus. Days suitable for fieldwork 5.1. Sorghum 100% harvested, 80% 1995, 85% avg.; 2% poor, 14% fair, 42% good, 42% excellent. Sweetpotatoes 94% harvested, 65% 1995, 81% avg.; 11% poor, 42% fair, 47% good. Small grains, winter grazing planting ahead of normal; fair to good condition. Pasture feed, livestock fair to mostly good condition.

SOUTH DAKOTA: Days suitable for fieldwork was 1.0. Topsoil was 68% adequate and 32% surplus. Subsoil was 5% short, 67% adequate, and 28% surplus. Freezing rain and snow were received again this week. Warmer temperatures were needed to melt the ice

and snow hanging on the last of the row crops before most of them could be harvested. Deep snow in some areas will undoubtedly leave a small percentage of acres unharvested until spring. Winter wheat has a good snow cover. Livestock condition was 1% poor, 12% fair, 72% good, and 15% excellent. More producers were beginning to feed their cattle hay and silage as field forage is depleting and pastures are getting covered with snow. Stock water supplies were 1% short, compared with 85% adequate and 14% surplus.

TENNESSEE: Rainfall continued to delay harvest progress for fall wheat seedings. Producers had only 2 days suitable for fieldwork to harvested as much acreage as possible. Although cotton harvest is near completion, some producers are doubtful that they will finish by the end of the year. Soybean harvest has also suffered, because the rains have slowed progress to nearly 2 weeks behind the 5-year average.

TEXAS: Mild, open weather dominated weather across the State until late week. A very strong surge of Canadian air rapidly moved into and through the State. Field operations made good progress until the frontal passage. Precipitation associated with late week's front was a mixture of rain, sleet, and snow. The total accumulation of rain and snow was significant in many areas in the Hill Country and south-central Texas. Livestock producers increased feeding activity with colder weather. Cool-season grasses continued to make good growth as warm-season grasses ended in most areas.

Crops: Small grains in most fields in the High Plains continued looking good; however, some could use a good rain. Irrigation activity remained active until late week. Many fields are providing good grazing for stockers. Rust increased some fields in the north-central areas, but growth has been good. Good growth and greening has occurred in the central areas; however, fields could also use a rain, which many received with the late-week front. Statewide wheat condition rated 73% of the normal, compared with 64% in 1995. Grain sorghum harvest was slowed by dampness and overcast skies each morning in the Plains, but by mid-day most producers were able to start. Harvest was winding down in some fields in the Plains and north-central areas. The late-week, low temperatures may have caused some damage to late-maturing fields in the High Plains. Cotton harvest made good progress most weeks in the Plains with most gins having sizable back logs of modules. Yields continued very good in many fields. The late-week, colder conditions may provide the freezing temperatures for which many producers in the north-central areas have been waiting. Harvest was beginning to wind down in the Edward's Plateau and Trans Pecos. Peanut harvest continued to wind down in fields across the north-central areas. Harvest continued in the south-central areas with good yields. Soybeans harvest was virtually completed in all areas, with only a few fields of later varieties remaining along the Upper Coast. Sugar beets made good harvest progress until late week in the High Plains. Harvest was winding down in many fields. Sugarcane harvest continued throughout the week without much delay in the Rio Grande Valley. Production and quality were reported to be down.

Commercial Vegetables: In the Rio Grande Valley, pepper harvest was winding down. Other vegetables were making good progress. The citrus harvest continued to be steady, with good quality fruit available. In the San Antonio-Winter Garden, cabbage and pepper harvests continued. Spinach planting continued to wind down in many fields, with harvest being underway in a few early fields. In the eastern areas, fall production continued to be good in most crops. A few sweetpotato fields remained for harvest. In the High Plains, cabbage harvest continued. In Trans-Pecos, chili harvest continued without much delay. Pecan harvest continued across the State. Reduced production and poor quality remained a problem. Low prices were also a concern for growers. Peaches' fall spraying continued. Some pruning activity also occurred.

Range and Livestock: Good growth continued in cool season grasses across the State. Small grain pastures in many areas provided good grazing. Supplemental feeding activity continued and was increasing with late-week, colder temperatures. Livestock

conditions continued to be good in most areas. Prices at auctions have improved slightly.

UTAH: Major farm, ranch activities: Fall tillage, cleaning corrals, general farm maintenance, feeding livestock.

VIRGINIA: Days suitable for fieldwork 3.9. Topsoil 4% short, 67% adequate, 29% surplus. Subsoil 8% short, 88% adequate, 4% surplus. Corn 97% corn for grain harvested, 1995 96%, 98% avg. Cotton 70% harvested, 1995 91%, 83% avg. Soybeans 60% harvested, 1995 68%, 73% avg. Livestock 1% poor, 15% fair, 72% good, 12% excellent. Pasture feed 1% poor, 30% fair, 65% good, 4% excellent. Forage from pasture, winter grazing crops for beef cattle, 70%; dairy cattle, 24%; sheep, 70%. Barley 100% seeded, 97% 1995, 99% avg.. Winter wheat 75% seeded, 1995 82%, 84% avg. Small grain and winter grazing crops condition was 2% poor, 44% fair, 51% good, and 3% excellent. Activities: Cool weather prevailed, bringing a dusting of snow in most areas. Below-normal temperatures and winter storms hindered small grain growth and slowed field activity. Soybean and cotton harvests remained one and one-half weeks behind schedule. Corn for grain harvest was nearing completion. Barley seeding was complete; about three-quarters of wheat seedings were complete. Tobacco producers continued readying the crop for market.

WASHINGTON: Days suitable for fieldwork 1.0. Topsoil 2% short, 69% adequate, 29% surplus; subsoil 30% short, 68% adequate, 2% surplus. Winter wheat, dryland 15% fair, 77% good, 8% excellent; irrigated, 3% fair 97% good. Whitman County reported a light beneficial snow cover on winter crops. Corn grain 58% harvested, 82% 1995, 82% avg. Hay, other roughage supplies, 11% short, 86% adequate, 3% surplus. Sugar beet, corn harvest continued in Grant County. Fieldwork was shut down by the weather in all reporting counties. U-cut Christmas tree farms were preparing for the Thanksgiving holiday in Pierce and King Counties.

WEST VIRGINIA: Days suitable for fieldwork 3.0. Topsoil moisture 1% short, 83% adequate, 16% surplus. Producers busy harvesting corn as weather permitted. Winter wheat 1% poor, 17% fair, 76% good, 6% excellent; 97% planted, 98% 1995, 94% avg. Corn 72% harvested for grain, 96% 1995, 94% avg. Soybeans 69% harvested, 73% 1995. Cattle 2% poor, 17% fair, 78% good, 3% excellent. Sheep 3% poor, 14% fair, 81% good, 2% excellent. Activities: Harvesting corn for grain, soybeans; seeding wheat; feeding livestock.

WISCONSIN: Days suitable for fieldwork 4.3. Soil moisture: 12% short, 79% adequate, 9% surplus. Rain showers, snowfall combined hindered harvesting, tillage activities. Moisture levels were a factor, as each farmer will use their own judgment as to when to finish harvesting corn between snowfalls. The current statewide corn yield average forecast is 109 bushels per acre, 5 bushels less than last year's average. Reporters noted combined corn fields with corn stock bales made, yet there were still some corn fields not harvested. Fall tillage was at 60% complete, compared with 80% in 1995 and the 78% avg. Northern farmers have quit fall tillage due to frozen ground; however, there were a handful of farmers in the south finishing up. Lack of good quality alfalfa hay may bring the price much higher than last year. Last week the following counties reported that they have a shortage of quality dairy hay: Barron, Monroe, Pierce, Waupaca, Waushara, Wood, Brown, Fond du Lac, Outagamie, Winnebago, Grant, Jefferson, and Kenosha Counties. Supplemental feeding has already started with dairy cows confined to barns, other cattle being fed baled hay, silage, or gleaned harvested corn fields. 'Tis the season for trucks in State to be hauling Christmas trees to market.

WYOMING: Main farm activities: Mending fences, supplemental feed, general livestock work, and planing for next year.

International Weather and Crop Summary

November 17 - 23, 1996

HIGHLIGHTS

FSU WESTERN: Unseasonably mild weather continued to favor winter grains but left most areas without a protective snow cover.

EUROPE: Unseasonably cold weather in the northwest prompted hardening in winter grains.

NORTHWESTERN AFRICA: Dry weather returned to winter grain areas in Morocco, following last week's generous rains.

AUSTRALIA: Rain benefited emerging corn but threatened winter wheat quality.

SOUTH ASIA: Heavy showers inundated local rice areas of India's southeast coast as seasonable dryness elsewhere aided summer crop maturation.

SOUTH AFRICA: Rain benefited emerging corn but threatened winter wheat quality.

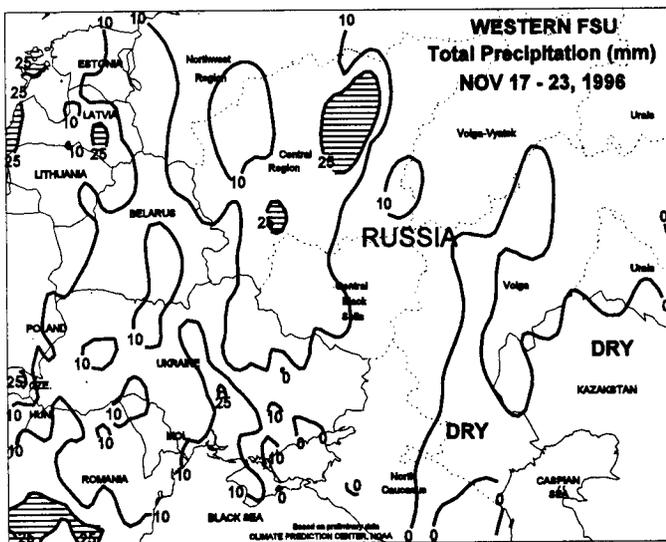
SOUTHEAST ASIA: Dry weather favored rice harvesting across Thailand, as heavy monsoon showers maintained moisture supplies across the Philippines.

EASTERN ASIA: Seasonably dry, slightly warmer weather prevailed across the North China Plain.

SOUTH AMERICA: In central Argentina, drier, warmer weather favored summer crop planting, but portions of the region were becoming too dry.

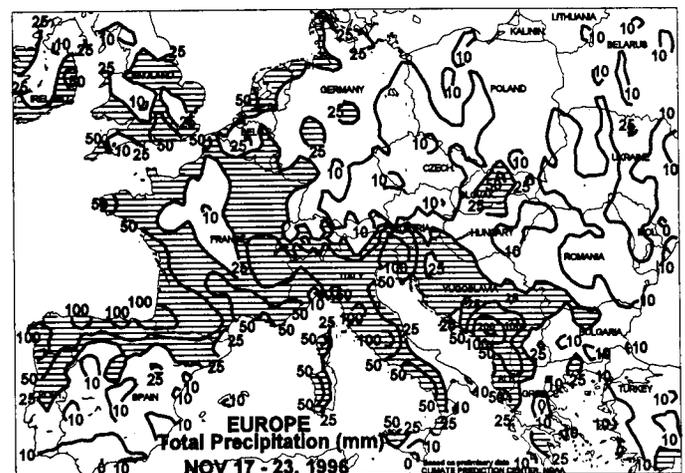
FSU-WESTERN

Unseasonably mild weather continued over the region. Weekly temperatures averaged 3 to 6 degrees C above normal in southern Russia, Ukraine, Belarus, and the Baltics and 6 to 8 degrees C above normal in northern Russia. Although temperatures in northern Russia were low enough to keep winter grains dormant, most areas lacked a protective snow cover and were vulnerable to potential extreme cold. The mild weather in Ukraine and southern Russia promoted later-than-usual growth of winter grains, which typically enter dormancy by mid-November. Light precipitation (3-25 mm) occurred in most areas during the week, except in Volga Valley and North Caucasus in Russia, where the weather was mostly dry.

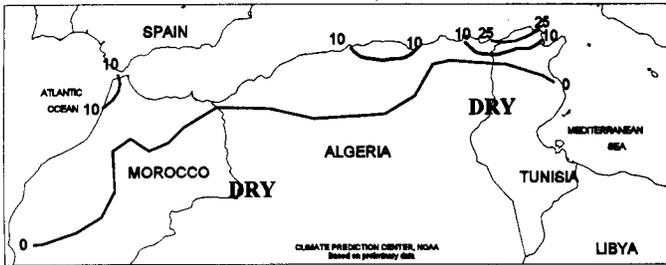


EUROPE

Unseasonably cold weather prevailed over the United Kingdom, France, and northern Germany, and was accompanied by light to moderate precipitation (10-40 mm, with locally heavier amounts in excess of 50 mm). Weekly temperatures averaged 2 to 5 degrees C below normal in these areas, slowing growth and prompting cold hardening in winter grains. Although the wet weather in these areas helped to recharge soil moisture, it delayed late-season harvesting. Farther south, mostly dry weather in southern Spain favored land preparation for winter grain planting. Farther east, however, wetness persisted in northern Italy, causing further delays in winter grain planting. Precipitation amounts in northern Italy ranged from 50 to 100 mm. In southeastern Europe, unseasonably mild weather accompanied light to moderate precipitation (9-45 mm) in Romania, Bulgaria, and former Yugoslavia, favoring further development of winter grains. Weekly temperatures averaged 2 to 6 degrees C above normal in southeastern Europe.



NORTHWESTERN AFRICA Total Precipitation (mm)
NOV 17 - 23, 1996



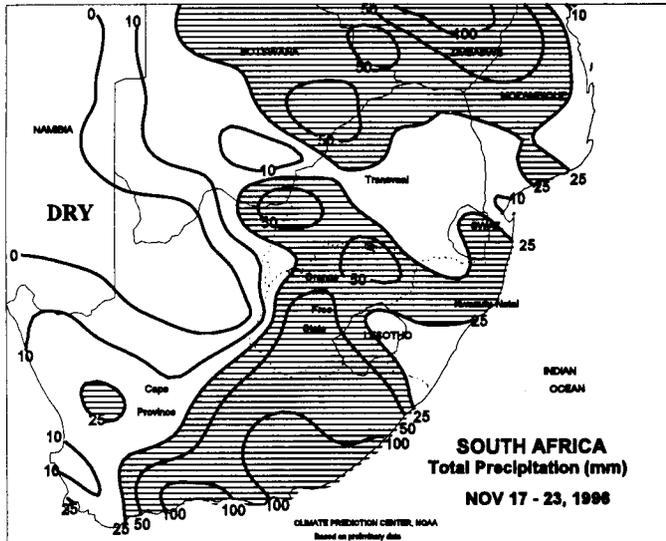
NORTHWESTERN AFRICA

Dry weather returned to winter grain areas in Morocco, following last week's generous rains. Land preparation for winter grain planting was likely underway over most of Morocco. Farther east, only light, scattered showers (2-8 mm) fell over Algeria and Tunisia, where topsoil moisture remained insufficient for planting. The exception was along coastal areas in central Algeria and northern Tunisia, where rainfall ranged from 10 to 29 mm.

SOUTH AFRICA

Scattered showers (10-25 mm or more, exceeding 50 mm locally) covered the corn belt, improving prospects for crop establishment. Planting should be in full swing, with most areas having already received adequate pre-planting moisture. Unseasonable coolness (temperatures averaging 2-4 degrees C below normal, with lows of 2-6 degrees C) slowed germination and early vegetative growth. Elsewhere, heavy rain (50-100 mm or more) returned to eastern winter wheat areas of Western Cape Province, again threatening the quality of unharvested grains. In Kwazulu-Natal, light to moderate rain (16-27 mm) fell in the main sugarcane areas.

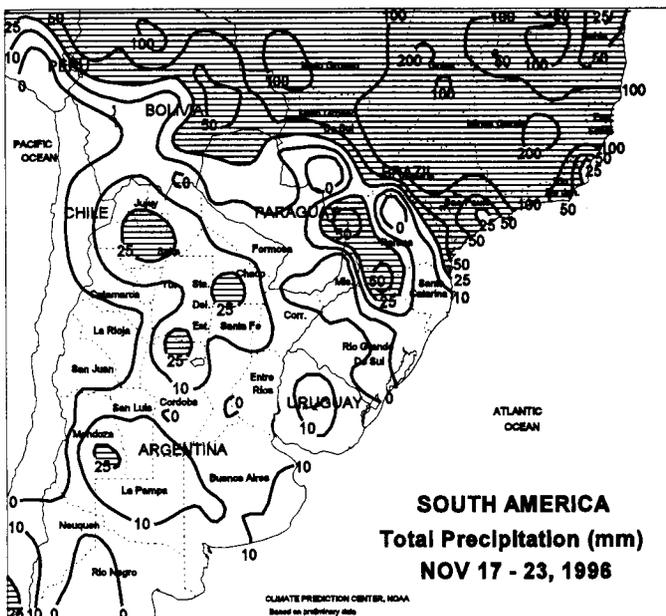
SOUTH AFRICA Total Precipitation (mm)
NOV 17 - 23, 1996

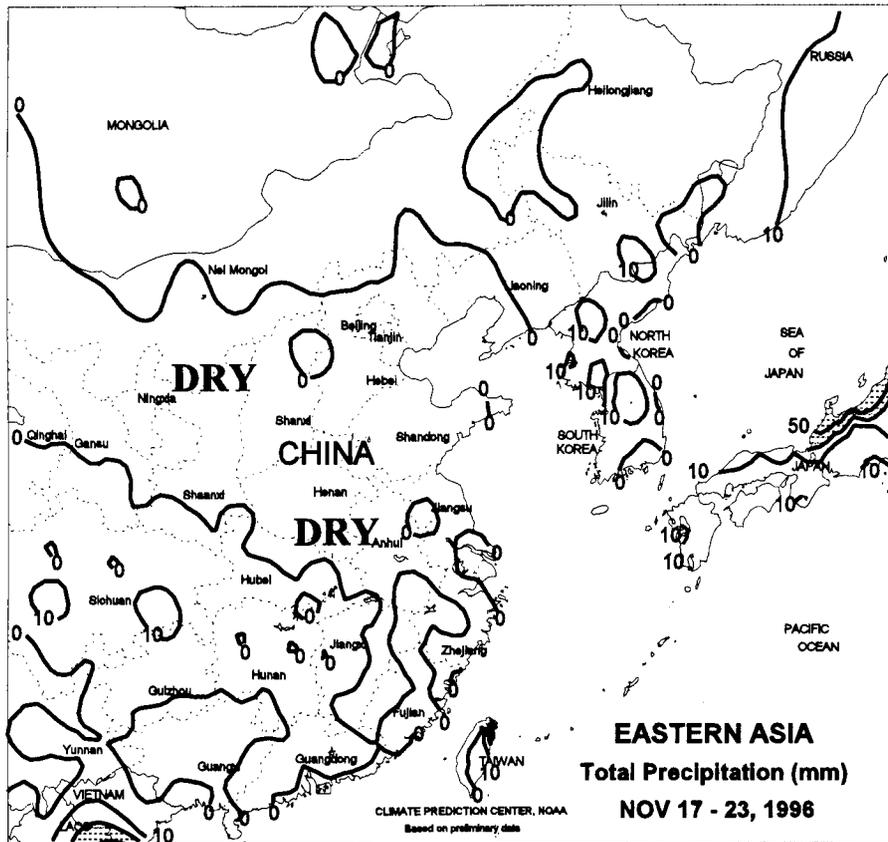


SOUTH AMERICA

In Argentina, mostly warm, dry weather favored summer crop planting across southern Santa Fe, northern Buenos Aires, and southern Cordoba. However, southern Santa Fe has received little rain during the past 2 weeks. Light to moderate rain (10-20 mm) fell across western Buenos Aires and northern La Pampa. According to reports as of mid-November, soybean planting has reached 25 percent complete. Light to moderate rain (5-30 mm) moistened topsoils for cotton planting across northern Argentina. In southern Brazil, mostly dry weather aided soybean planting from southern Mato Grosso do Sul and northern Parana southward. Very isolated heavy showers (60-90 mm) fell across this region. From northern Mato Grosso du Sul and northern Sao Paulo northward, widespread heavy showers (75-150 mm) increased soil moisture for soybeans, citrus, and coffee. Scattered heavier showers (175-250 mm) across this region caused some local flooding. Temperatures averaged 1 to 3 degrees C above normal across central Argentina and most of southern Brazil.

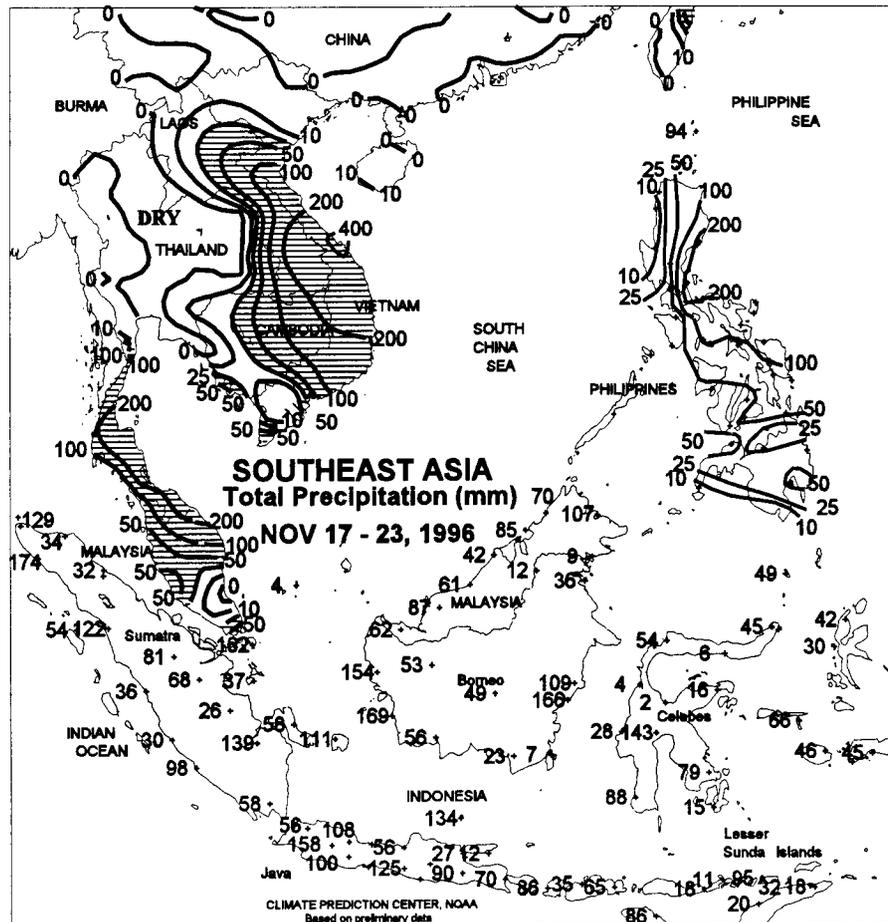
SOUTH AMERICA Total Precipitation (mm)
NOV 17 - 23, 1996





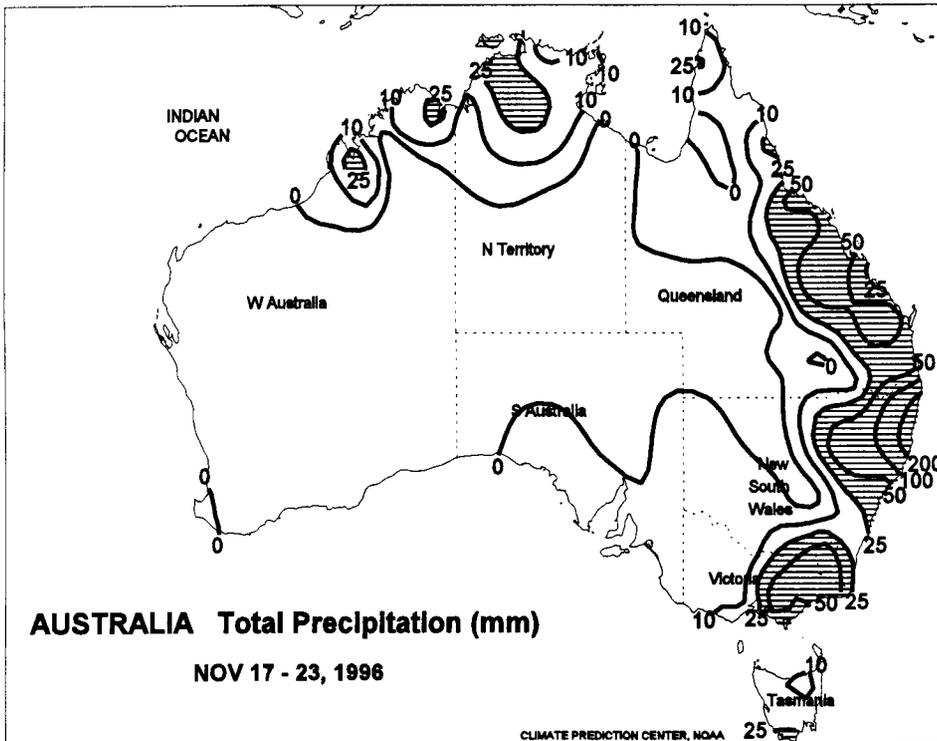
EASTERN ASIA

Seasonably dry weather prevailed across most of China, aiding winter grain and oilseed planting across the Yangtze Valley. Late-week warmer weather (maximum temperatures 10-15 degrees C) contributed to weekly temperatures averaging 1 to 2 degrees C above normal across the North China Plain. In this region, winter wheat ranges from emergence to the vegetative stage.



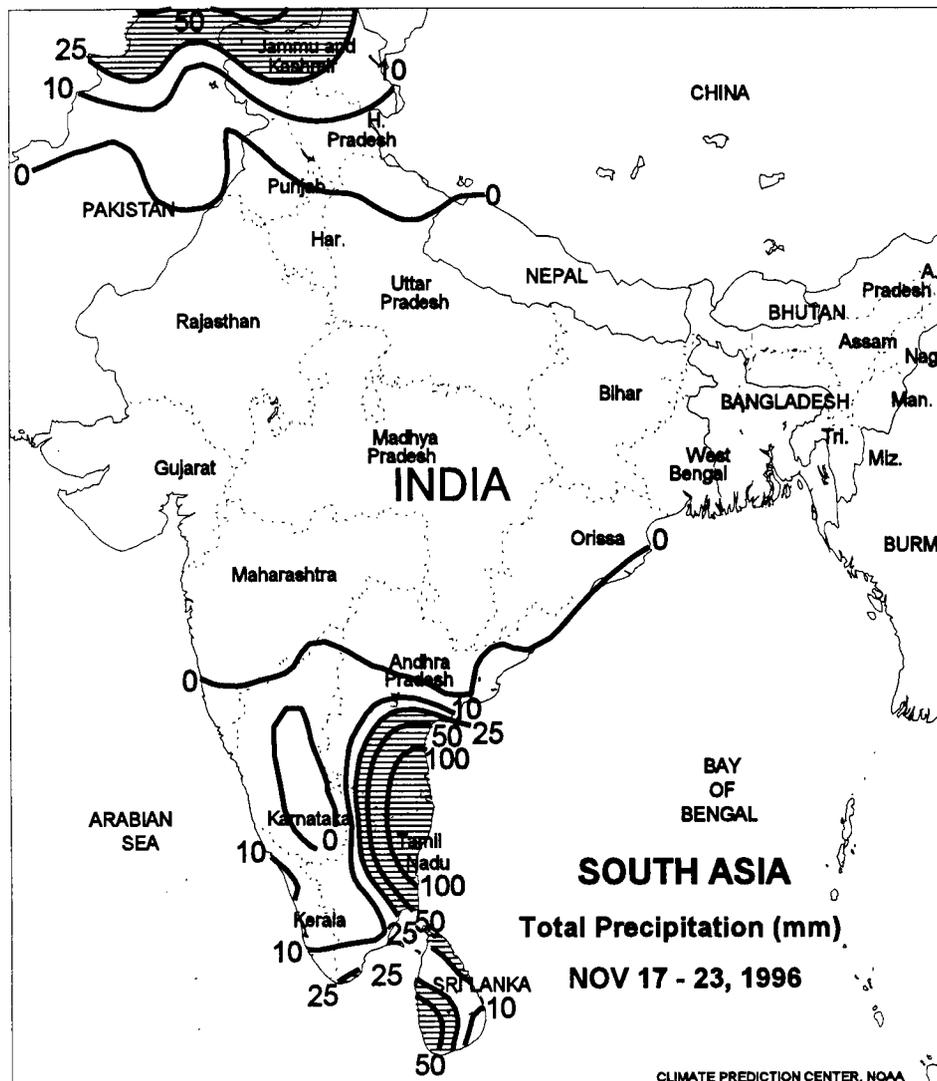
SOUTHEAST ASIA

Seasonably heavy showers (40-100 mm, with isolated amounts greater than 150 mm) covered Java, continuing to maintain irrigation supplies for main-season rice. In Indochina, dry weather eased wetness and favored rice harvesting across Thailand. Heavy showers (125-300 mm) caused flooding along the central coast of Vietnam, but little rice is grown in this region. Drier weather (rainfall less than 25 mm) aided rice harvesting across the northern (Red River Delta) and southern (Mekong River Delta) rice areas. Heavy showers (100-300 mm) were reported along peninsular Thailand, interrupting plantation crop fieldwork. An active northeastern monsoon brought widespread heavy showers (50-150 mm, with isolated amounts greater than 300 mm) to the eastern Philippines, maintaining irrigation supplies for second-season crops but slowing main-season crop harvesting.



AUSTRALIA:

Moderate to heavy showers (25-50 mm or more) fell along the entire length of the east coast (from Cape York Peninsula to eastern Victoria). The rainfall benefited sugarcane, sorghum, and cotton. Cotton planting usually winds down by late-November, but sorghum and sugarcane planting runs through December. Winter wheat harvesting has been underway for some time in the east, but New South Wales may still have standing crops at risk of quality declines. In the west and southeast, dry weather favored maturing winter grains. In New Zealand, moderate to heavy rain (25-59 mm) covered pastures of central North Island, but rainfall was generally light (25 mm or less) elsewhere.



SOUTH ASIA:

Heavy rain (50-177 mm) fell over a small section of India's southeast coast, likely causing flooding and possibly damaging rice. The location (southern Andhra Pradesh and northeastern Tamil Nadu) is south of the area that was hit hard 2 weeks ago by a tropical cyclone. Elsewhere, seasonable dryness benefited maturing cotton, grains, and oilseeds. Winter grain and oilseed planting progressed.

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(Continued from page 7)

Cotton Percent Harvested				
	Nov 24 1995	Prev Week	Prev Year	5-Yr Avg
AL	91	86	95	91
AZ	78	74	82	92
AR	95	93	100	98
CA	90	85	89	96
GA	86	82	84	82
LA	100	100	100	99
MS	99	98	100	98
MO	88	80	97	96
NM	81	75	72	69
NC	85	79	78	81
OK	41	35	54	60
SC	92	90	74	84
TN	96	92	93	94
TX	69	60	68	67
ALL	82	77	82	82

These 14 States produced 99% of the 1995 cotton crop.

Corn Percent Harvested				
	Nov 24 1995	Prev Week	Prev Year	5-Yr Avg
CO	98	96	94	93
GA	100	100	100	100
IL	96	92	100	94
IN	90	78	100	90
IA	95	91	100	95
KS	99	98	100	98
KY	97	96	98	98
MI	85	72	100	77
MN	97	95	99	93
MO	92	89	96	93
NE	95	93	98	92
NC	100	100	100	100
OH	76	61	98	87
PA	79	71	95	79
SD	93	91	98	88
TX	100	100	100	100
WI	85	78	99	85
ALL	93	88	99	92

These 17 States produced 93% of the 1995 corn crop.

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	2	12	45	35	6
CA	0	0	30	50	20
CO	1	3	21	55	20
GA	1	3	20	74	2
ID	0	2	11	81	6
IL	2	1	19	61	17
IN	0	3	28	56	13
KS	0	0	10	73	17
MI	1	4	25	58	12
MO	0	3	45	47	5
MT	0	7	60	31	2
NE	0	2	27	64	7
NC	0	1	22	69	8
OH	1	4	26	54	15
OK	0	2	15	75	8
OR	0	0	43	50	7
SD	3	6	21	60	10
TX	1	9	38	45	7
WA	0	0	14	79	7
ALL	0	3	23	63	11
Prev Wk	0	3	23	62	12
Prev Yr	2	11	35	47	5

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