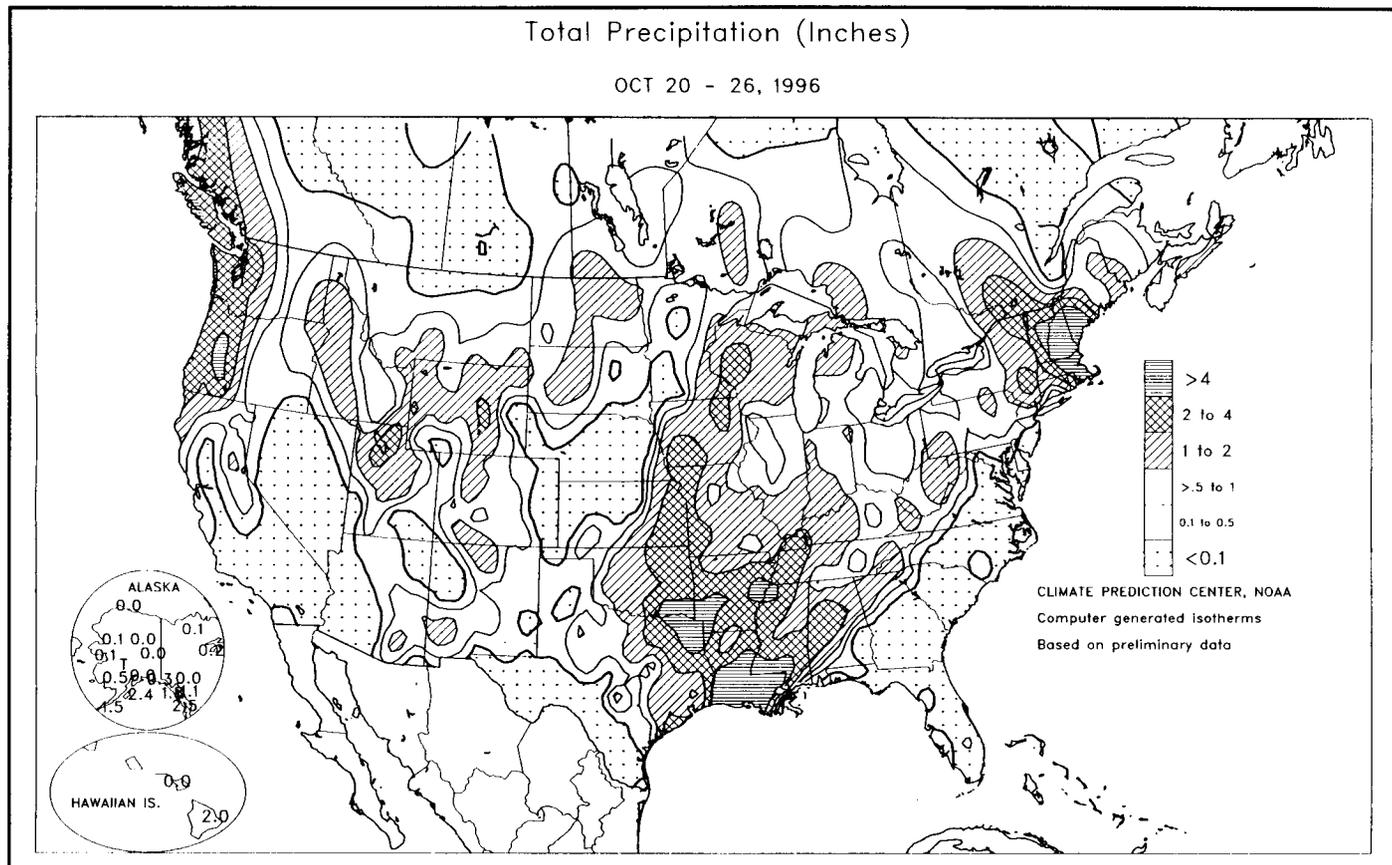


# WEEKLY WEATHER AND CROP BULLETIN

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

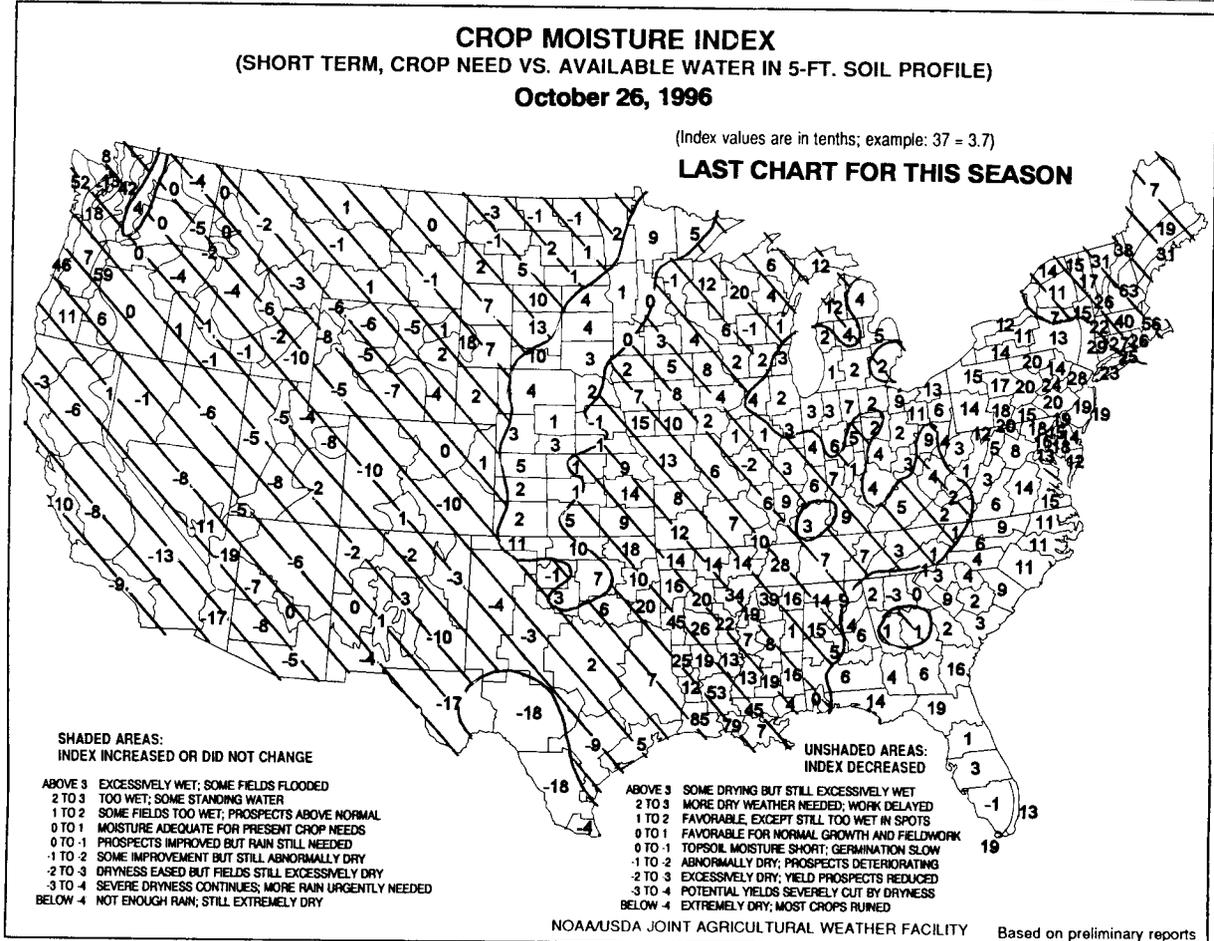
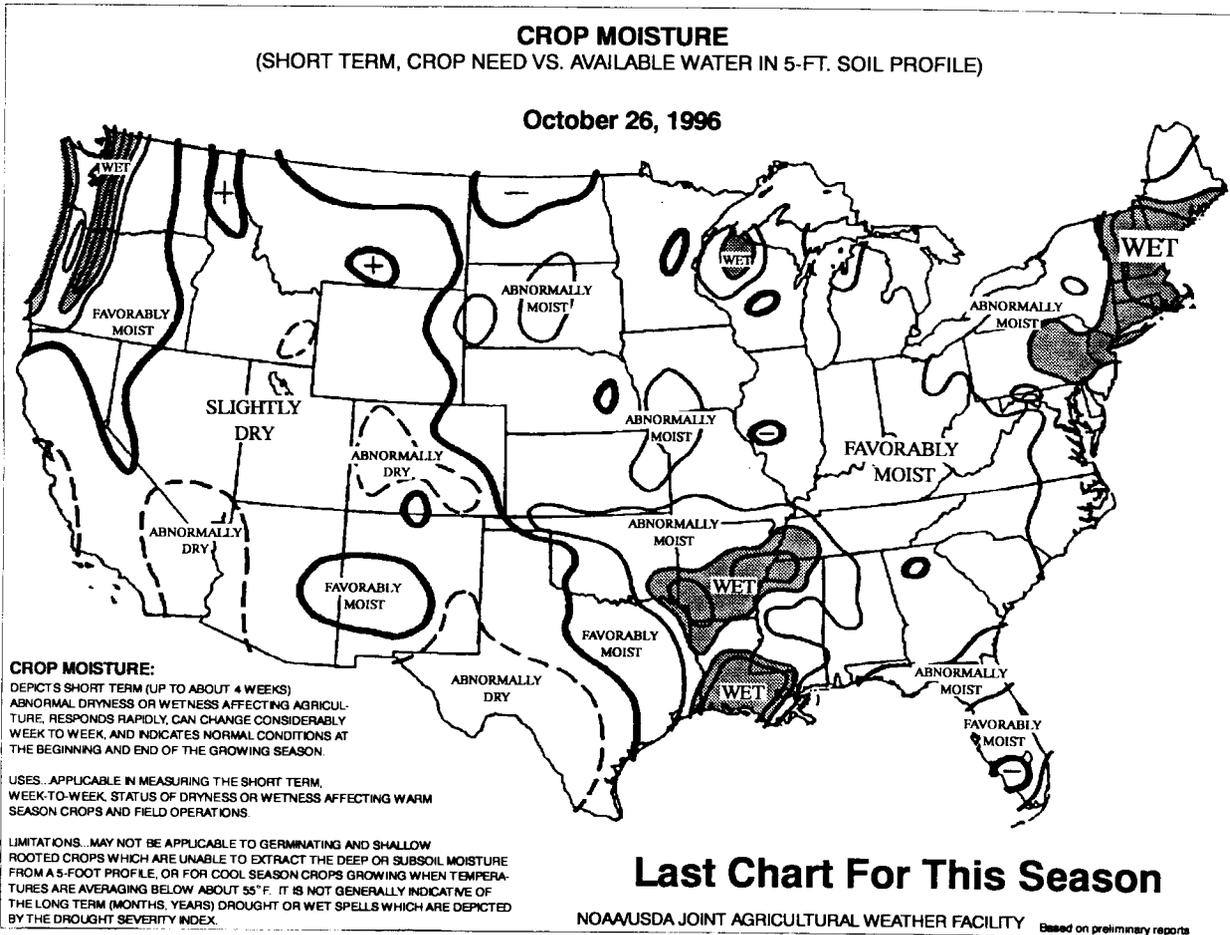
October 20 - 26, 1996

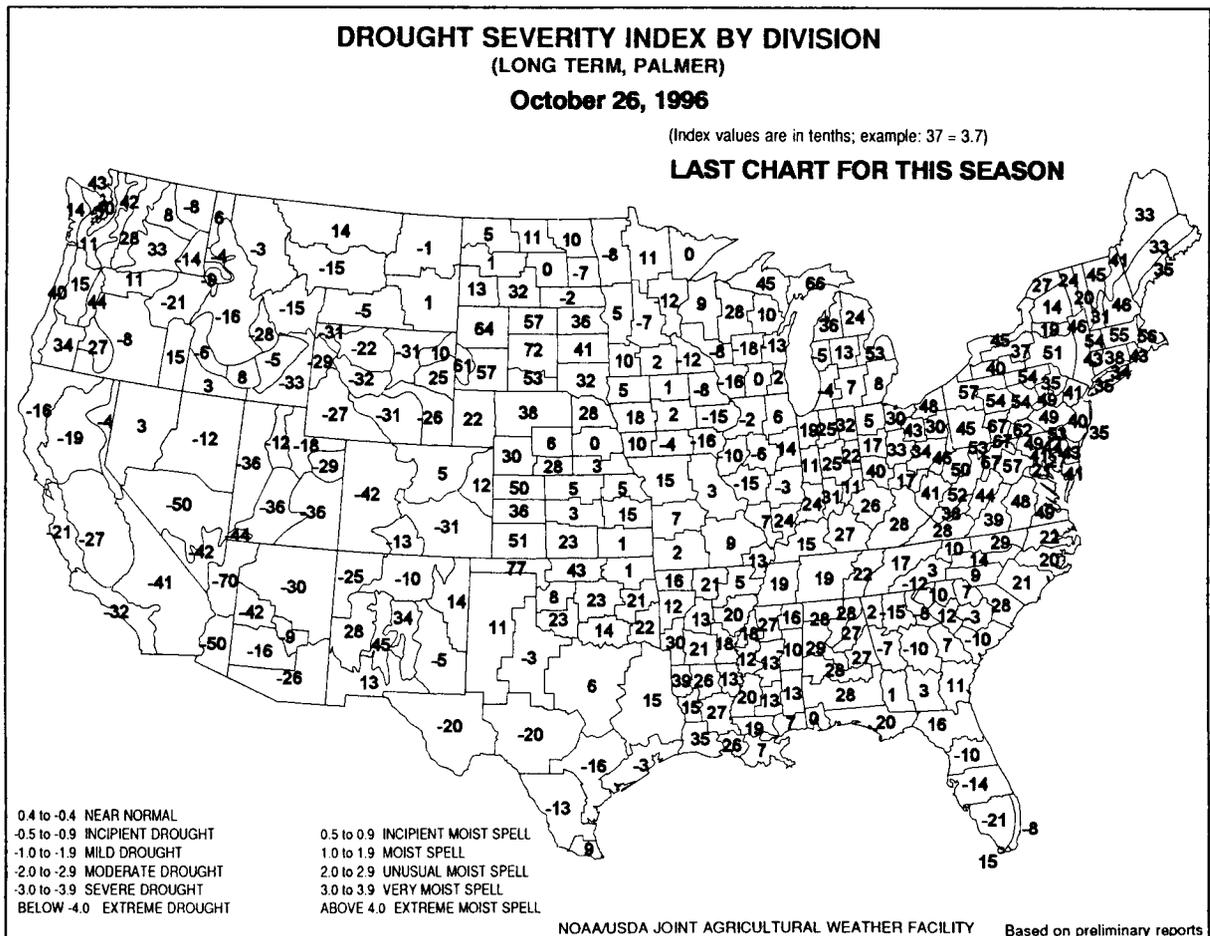
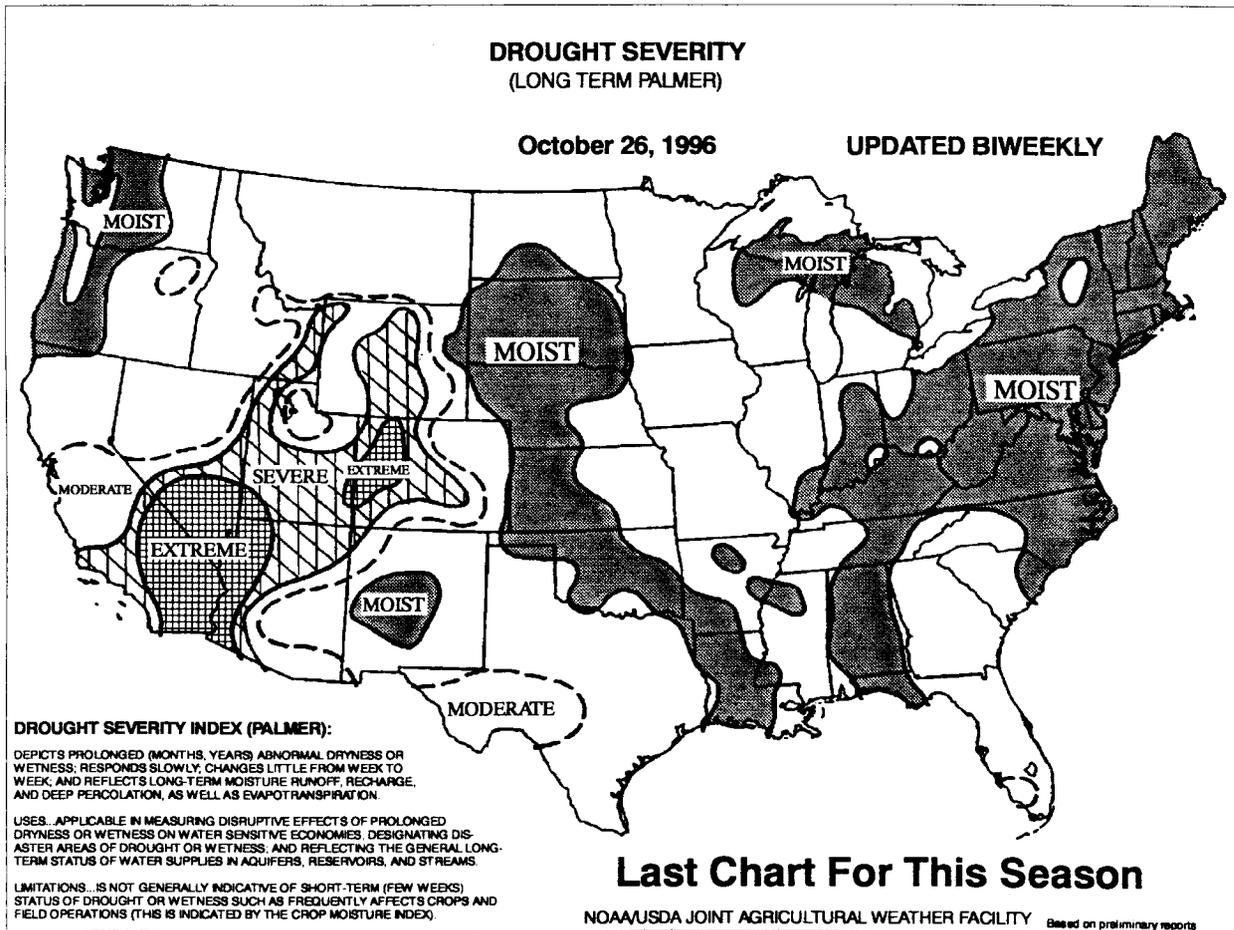
**S**trong, Pacific-origin storms continued to traverse the **Western and Central States**, delivering heavy rain and snow, high winds, and cold weather. East of the primary storm track, rainfall topped 4 inches in the **Arklatex** early in the week, and again in the **Delta** toward week's end. Early- to midweek rains slowed harvest and fieldwork activities in the **Midwest**, particularly the **western Corn Belt**. Meanwhile across **southern California**, seasonal Santa Ana winds, enhanced by the storms' passages, sparked wildfires. Farther east, a slow-moving storm system lingered over **New England** early in the week, inundating **southern Maine** with as much as 19 inches of rain. Weekly temperatures averaged as much as 5°F above normal from the **Great Lakes** to **New England**, but 5 to 15°F below normal across the **interior West**. While the **West's** cold snap reached 2 weeks, **Alaska's** persisted for a seventh

*(Continued on page 4)*

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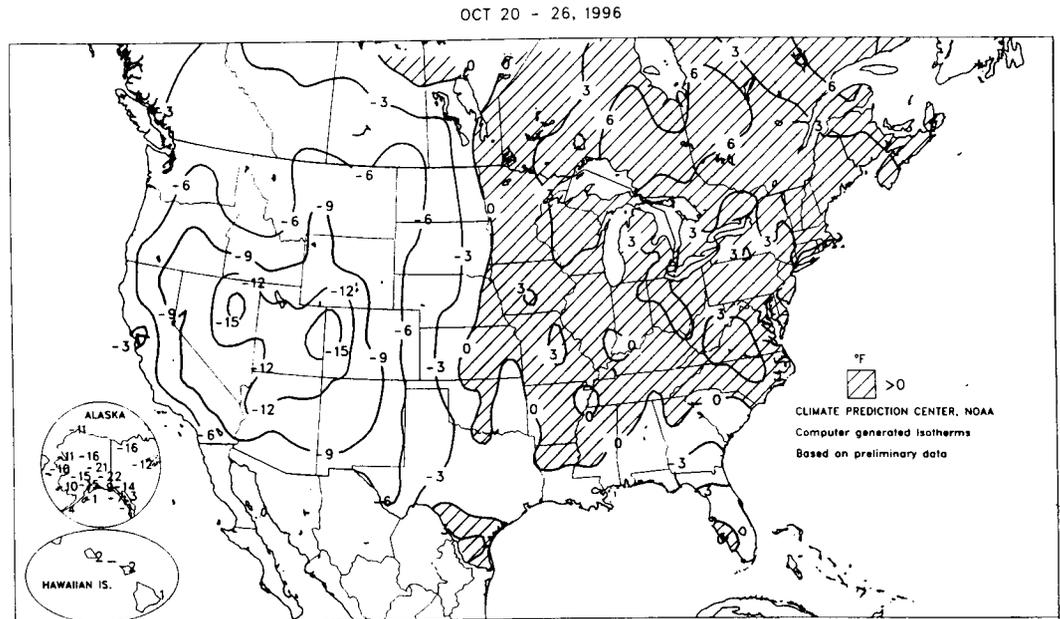
Departure of Average Temperature from Normal (°F)

(Continued from front cover) consecutive week and intensified, as temperatures on the mainland averaged 10 to 22°F below normal.

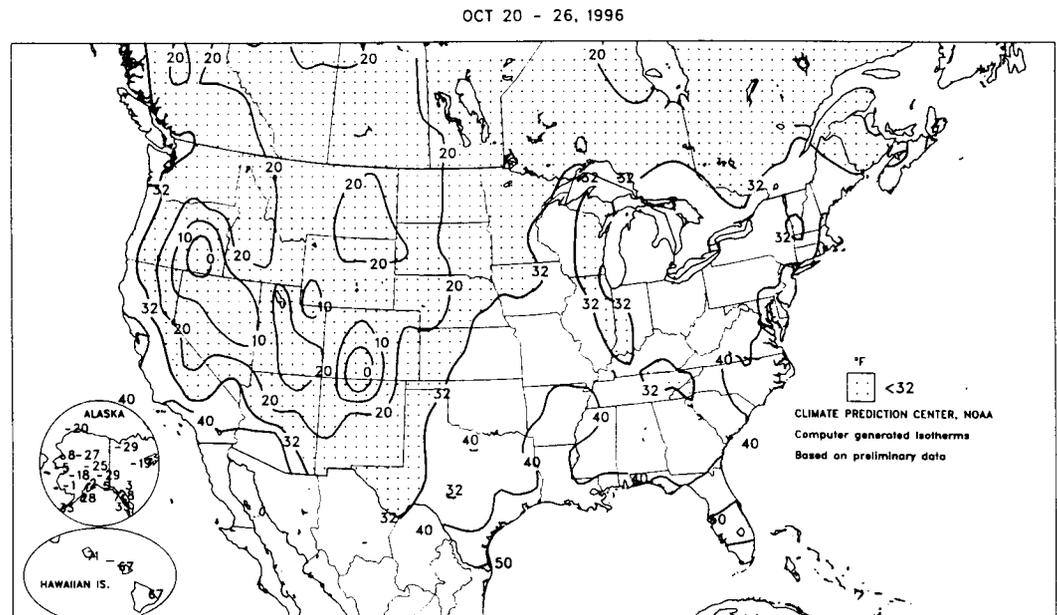
In southern Maine, October 20-22 storm totals reached 19.19 inches in **Camp Ellis**, 19.00 inches in **Gorham**, and 12.55 inches in **Portland**. Most (10.53 inches) of **Portland's** total fell in 24 hours on Monday and Tuesday, eclipsing their former record of 7.83 inches set during Hurricane Bob on August 18-19, 1991. In **Boston, MA**, 6.66 inches of their 7.92-inch total fell in 24 hours on October 20-21, an October record and second all-time to an 8.40-inch total during Hurricane Diane on August 18-19, 1955. By storm's end, October rainfall records were broken in locations such as **Boston** (10.37 inches) and **Portland** (14.12 inches). High winds also buffeted the region, resulting in peak gusts to 62 mph at the **Blue Hill Observatory** (near Boston) and 60 mph on **Maine's Matinicus Island**.

Meanwhile, a pair of early-week storms kept the Plains and the West cool and stormy. One system tracked through the North-Central States, producing 5.8 inches of snow in **Williston, ND**. Another storm took form farther south, traveling from the Southwest to the Great Lakes States on October 21-23. Significant snow fell from the Four Corners region to the central Plains, including Tuesday totals that shattered former October records in **Kansas City, MO** (6.5 inches) and **Topeka, KS** (8.0 inches). Farther west, snow depths on Tuesday morning stood at 3 inches as far south as **Clovis, NM**. Elsewhere on October 22, **Wichita, KS** noted their earliest measurable snowfall (0.2 inches), while **Tulsa, OK** reported their earliest snowflakes. The system weakened as it turned northward, leaving the western Corn Belt with primarily rain.

Farther west, very cold weather arrived as a high-pressure system settled over the Great Basin, resulting in about five dozen daily-record lows. South of the high, strong easterly winds swept across southern California, fanning flames. Lows on Sunday dipped to



Extreme Minimum Temperature (°F)



18°F at both **Yakima, WA** and **Reno, NV**. A day later, **Ely, NV** logged -1°F. On Tuesday, the daily-record chill spread onto the Plains, where **Pueblo, CO** registered 10°F. The season's first freeze overspread the western portion of the **Texas Plains** cotton area, where **Midland** (30°F) tallied a daily-record low. In advance of the cool-air surge, strong thunderstorms peppered the **Arklatex** on October 21-22.

A near repeat of the early-week scenario occurred toward week's end. While one storm traversed the northern Plains, another evolved over the Southwest. On October 24-25, heavy rain erupted from southeastern Texas to the Delta, boosting weekly rainfall to 9.19 inches in **Lake Charles, LA** and 3.88 inches in **Memphis, TN**. Meanwhile, heavy snow returned to much of the West. In **South Dakota**, a stunning 38.9 inches blanketed **Lead** on October 25-26, breaking their own 24-hour State record set on October 9, 1982. Elsewhere on Saturday, snowfall reached 4.3 inches in **Casper, WY** and 3.0 inches in **Bismarck, ND**. East of the storm's center, southerly winds gusted to 59 mph in **Sioux City, IA** and 56 mph in **Norfolk, NE**. Heavy precipitation also developed over the Southwest, where **Tucson, AZ** measured a 1.61 inches of rain on Saturday. Snow depths reached 9 inches in **Red River, NM** and 10 inches in **Greer, AZ** at week's end.

**Alaska's** recent cold wave climaxed on Friday, as lows plummeted to October-record levels in **Arctic Village** (-42°F), **Fort Yukon** (-38°F), **Eagle** (-32°F), and **Circle City** (-31°F). After a low of -25°F, **Fairbanks'** high of -3°F represented their earliest sub-zero maximum on record. In contrast, warm, drier-than-normal weather prevailed in **Hawaii**, where daily-record-tying highs included 93°F in **Kahului** (on Sunday) and 90°F in **Honolulu** (on Monday). Warmth also arrived in the **Gulf Coast** region at week's end. In **Florida, Ft. Myers** ended the week with a trio of daily-record highs at or above 90°F. On Friday in **Texas, Corpus Christi's** daily-record high of 90°F occurred only 2 days after a daily-record low of 41°F.

# National Weather Data for Selected Cities

Weather Data for the Week Ending October 26, 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	92 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
AL BIRMINGHAM	72	46	78	37	59	-1	1.83	0.98	1.04	8.36	134	54.35	121	93	43	0	0	3	1
MOBILE	78	51	83	41	64	-2	0.84	0.05	0.38	6.51	79	53.48	99	96	46	0	0	3	0
MONTGOMERY	75	48	83	36	60	-1	0.22	-0.38	0.19	9.24	166	56.36	123	98	40	0	0	2	0
AK ANCHORAGE	23	8	27	2	16	-16	0.00	-0.40	0.00	3.10	70	11.39	84	75	55	0	7	0	0
BARROW	5	-9	9	-20	-2	-11	0.00	-0.08	0.00	0.90	94	3.25	83	86	73	0	7	0	0
FAIRBANKS	10	-14	23	-25	-2	-21	0.00	-0.19	0.00	1.57	95	9.50	104	82	57	0	7	0	0
JUNEAU	40	34	46	28	37	-3	..	..	..	..	..	..	..	99	81	0	3	..	..
KODIAK	43	32	46	28	37	-1	2.44	0.87	1.46	12.38	95	41.36	77	93	55	0	4	4	2
NOME	23	5	30	-5	14	-10	0.05	-0.21	0.06	1.86	52	13.68	108	80	58	0	7	1	0
AZ PHOENIX	73	53	77	49	63	-8	0.12	-0.02	0.12	0.91	95	4.04	68	44	12	0	0	1	0
PRESCOTT	54	28	63	18	41	-	0.09	-0.16	0.09	1.13	39	6.65	41	68	22	0	8	1	0
TUCSON	72	47	77	37	59	-8	1.80	1.40	1.80	5.43	212	10.30	101	54	14	0	0	1	1
YUMA	77	55	82	48	66	-7	0.00	-0.06	0.00	0.00	0	0.93	38	47	14	0	0	0	0
AR FORT SMITH	69	50	79	41	60	0	2.03	1.17	1.48	8.84	137	44.28	133	90	82	0	0	2	2
LITTLE ROCK	..	..	..	..	..	..	3.48	2.62	..	9.17	130	38.86	100	..	..	..	..	..	..
CA BAKERSFIELD	68	43	75	39	55	-10	0.57	0.49	0.54	0.57	146	4.77	110	69	26	0	0	2	1
EUREKA	59	44	66	36	52	-2	1.88	1.08	0.87	4.18	139	33.82	137	95	42	0	0	4	2
FRESNO	68	42	74	39	55	-7	0.01	-0.14	0.01	0.01	2	8.15	107	80	29	0	0	1	0
LOS ANGELES	74	54	77	52	64	-2	0.00	-0.12	0.00	0.00	0	8.72	103	72	17	0	0	0	0
REDDING	66	41	72	36	54	-7	0.11	-0.54	0.09	0.86	32	28.54	129	80	28	0	0	2	0
SACRAMENTO	69	46	75	41	58	-4	0.01	-0.31	0.01	0.14	..	15.99	133	73	27	0	0	1	0
SAN DIEGO	70	56	79	52	63	-4	0.31	0.19	0.31	0.31	62	4.26	63	88	30	0	0	1	0
SAN FRANCISCO	65	49	69	45	57	-3	0.23	-0.14	0.17	0.23	20	18.69	139	86	42	0	0	2	0
CO DENVER	53	28	63	20	41	-9	0.34	0.12	0.32	1.32	64	7.77	56	77	31	0	6	2	0
GRAND JUNCTION	47	27	56	20	37	-16	0.21	-0.07	0.21	2.44	117	8.04	93	87	36	0	6	1	0
PUEBLO	60	24	68	10	42	-8	0.00	-0.11	0.00	1.46	107	12.08	118	76	22	0	6	0	0
CT BRIDGEPORT	62	46	68	41	55	2	0.93	0.20	0.47	10.90	193	44.72	132	95	57	0	0	4	0
HARTFORD	63	42	67	33	53	3	2.02	1.21	1.71	11.84	173	44.74	125	98	57	0	0	4	1
DC WASHINGTON	67	50	73	44	59	2	0.11	-0.58	0.10	11.76	201	41.87	131	98	57	0	0	2	0
FL PANAMA CITY	77	55	84	48	66	0	..	..	..	..	..	..	..	92	46	0	0	..	..
DAYTONA BEACH	80	58	84	49	69	-3	0.00	-0.81	0.00	13.74	140	56.22	134	97	46	0	0	0	0
JACKSONVILLE	80	53	85	41	67	-4	0.00	-0.89	0.00	15.68	153	51.56	118	94	44	0	0	0	0
KEY WEST	82	72	84	66	77	-1	0.36	-0.53	0.36	15.83	185	37.03	108	88	65	0	0	1	0
MIAMI	83	70	86	64	78	-1	0.00	-1.11	0.00	15.50	125	53.43	105	80	55	0	0	0	0
ORLANDO	83	58	88	48	71	-3	0.00	-0.42	0.00	9.21	115	53.50	123	98	47	0	0	0	0
TALLAHASSEE	79	43	85	34	61	-5	0.01	-0.80	0.01	10.15	128	46.33	82	95	43	0	0	1	0
TAMPA	82	63	88	50	73	0	0.00	-0.31	0.00	8.50	112	42.91	108	88	52	0	0	0	0
WEST PALM BEACH	83	67	86	58	75	-2	0.00	-1.60	0.00	9.73	71	36.22	69	86	56	0	0	0	0
GA ATLANTA	74	49	81	39	62	2	0.21	-0.49	0.12	5.00	84	37.19	88	77	37	0	0	2	0
AUGUSTA	76	41	81	33	59	-2	0.00	-0.63	0.00	4.85	90	32.54	85	97	33	0	0	0	0
MACON	78	42	85	34	60	-2	0.04	-0.45	0.04	4.82	108	30.41	82	97	32	0	0	1	0
SAVANNAH	77	47	81	37	62	-3	0.00	-0.47	0.00	6.23	97	29.07	66	96	43	0	0	0	0
HI HILO	84	69	85	67	77	1	2.01	-0.38	0.74	18.03	98	98.99	98	90	65	0	0	7	1
HONOLULU	88	74	90	71	81	2	0.01	-0.58	0.01	0.85	31	12.30	83	79	53	1	0	1	0
KAHULUI	89	70	93	67	79	2	..	..	..	..	..	..	..	80	52	2	0	..	..
LIHUE	..	74	..	71	..	..	..	..	..	..	..	..	..	90	74	..	..	..	..
ID BOISE	50	33	54	23	42	-7	0.52	0.33	0.28	1.15	83	8.80	96	81	36	0	3	3	0
LEWISTON	51	36	59	27	44	-6	0.76	0.54	0.35	2.05	130	13.51	135	90	49	0	2	4	0
POCATELLO	43	29	51	17	36	-9	0.46	0.24	0.38	1.78	111	9.32	96	81	41	0	5	3	0
IL CHICAGO	61	42	68	36	52	2	0.53	0.01	0.45	4.03	69	27.47	91	98	68	0	0	2	0
MOLINE	62	42	69	34	52	2	0.73	0.12	0.73	2.16	33	24.17	71	91	55	0	0	1	1
PEORIA	63	42	70	35	53	2	0.76	0.21	0.71	2.57	42	24.37	79	89	52	0	0	2	1
QUINCY	64	44	73	34	54	2	..	..	..	..	..	..	..	90	58	0	0	..	..
ROCKFORD	60	42	67	31	51	3	0.55	-0.06	0.55	3.08	50	37.87	120	92	57	0	1	1	1
SPRINGFIELD	64	46	70	35	55	2	0.19	-0.36	0.14	2.05	37	26.40	89	90	61	0	0	2	0
IN EVANSVILLE	64	44	70	31	54	-2	1.51	0.80	0.81	10.70	192	49.99	134	97	58	0	1	4	2
FORT WAYNE	63	43	67	36	53	3	0.54	-0.03	0.28	5.43	115	36.83	128	94	61	0	0	2	0
INDIANAPOLIS	62	43	68	32	53	1	0.79	0.18	0.49	9.36	186	44.15	134	93	57	0	1	4	0
SOUTH BEND	62	43	67	32	53	3	0.33	-0.36	0.24	4.89	79	36.50	113	91	55	0	1	2	0
IA DES MOINES	62	44	75	33	53	3	1.91	1.34	1.85	6.13	99	30.58	100	85	49	0	0	3	1
SIOUX CITY	60	38	75	30	49	1	0.00	-0.37	0.00	3.11	69	29.41	124	86	44	0	2	0	0
WATERLOO	58	41	72	32	50	3	2.21	1.69	2.16	6.18	109	24.86	82	89	57	0	1	3	1
KS CONCORDIA	65	42	75	34	53	1	0.00	-0.39	0.00	6.07	129	22.67	85	72	30	0	0	0	0
DODGE CITY	66	39	75	33	53	-2	0.43	0.17	0.43	5.92	195	28.84	145	77	28	0	0	1	0
GOODLAND	59	32	69	21	45	-3	0.00	-0.17	0.00	1.20	52	19.02	112	74	30	0	4	0	0
TOPEKA	64	43	78	32	53	0	2.02	1.39	1.40	6.19	97	33.72	107	90	44	0	1	3	2
WICHITA	66	46	78	33	56	0	0.56	-0.03	0.32	4.65	74	21.43	69	78	37	0	0	2	0
KY BOWLING GREEN	67	44	78	31	56	1	1.11	0.41	0.84	9.10	147								

Weather Data for the Week Ending October 26, 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	0.1 INCH OR MORE	0.5 INCH OR MORE
ME CARIBOU	52	36	58	28	44	4	0.74	0.03	0.80	5.30	88	33.19	113	96	61	0	2	4	1
ME PORTLAND	58	44	66	36	51	5	12.63	11.67	9.39	17.72	261	46.79	137	96	62	0	0	5	2
MD BALTIMORE	65	47	73	42	56	2	0.07	-0.60	0.07	9.81	167	44.72	139	96	58	0	0	1	0
MD SALISBURY	68	48	78	39	58	3	0.06	-0.71	0.06	9.86	161	47.91	126	97	49	0	0	1	0
MA BOSTON	62	49	67	46	56	3	7.06	6.26	5.24	15.36	266	42.82	131	88	60	0	0	4	2
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MI ALPENA	56	39	62	31	47	3	0.73	0.29	0.50	7.80	161	23.15	96	96	68	0	2	3	1
MI DETROIT	59	44	62	36	51	3	0.54	0.07	0.52	4.93	107	20.08	75	92	62	0	0	2	1
MI FLINT	59	41	64	30	50	3	0.67	0.20	0.86	4.49	84	20.48	81	95	66	0	1	2	1
MI GRAND RAPIDS	60	39	65	34	50	3	0.46	-0.15	0.21	4.37	67	22.38	78	95	67	0	0	3	0
MI HOUGHTON LAKE	56	40	62	33	48	4	0.71	0.27	0.58	5.74	110	29.16	123	97	71	0	0	3	1
MI LANSING	59	40	66	31	50	4	0.44	-0.12	0.41	4.03	66	23.28	88	96	62	0	1	2	0
MI MARQUETTE	54	38	65	26	46	6	0.68	-0.09	0.64	6.30	88	35.23	120	97	69	0	1	3	1
MI MUSKEGON	59	38	65	33	49	1	0.39	-0.22	0.39	4.82	78	22.21	85	97	64	0	0	1	0
MI SAULT ST. MARIE	56	41	64	35	48	6	1.33	0.61	0.98	10.34	162	34.94	127	96	63	0	0	4	1
MN ALEXANDRIA	50	37	61	33	44	1	-	-	-	-	-	-	-	95	60	0	0	-	-
MN DULUTH	47	37	60	31	42	2	1.20	0.71	0.67	7.44	126	29.44	110	93	68	0	1	6	1
MN INT'L FALLS	48	36	55	31	42	3	0.35	-0.02	0.28	4.76	99	23.07	104	88	70	0	1	4	0
MN MINNEAPOLIS	53	41	67	36	47	2	0.75	0.29	0.46	3.46	78	18.37	72	89	61	0	0	2	0
MN ROCHESTER	53	40	64	36	48	2	1.31	0.86	0.86	4.15	77	23.78	89	90	69	0	0	2	1
MS GREENWOOD	76	50	83	41	63	2	-	-	-	-	-	-	-	92	49	0	0	-	-
MS JACKSON	76	48	83	37	62	1	1.43	0.62	0.52	2.92	51	46.64	107	96	47	0	0	4	1
MS MERIDIAN	76	46	82	36	61	0	1.96	1.25	1.32	6.06	100	48.49	106	97	43	0	0	3	1
MO CAPE GIRARDEAU	66	47	70	38	56	1	0.97	0.29	0.42	6.61	109	31.91	86	93	57	0	0	4	0
MO COLUMBIA	66	45	76	34	56	3	1.69	0.97	1.06	8.21	122	33.04	102	90	57	0	0	4	2
MO KANSAS CITY	63	44	76	32	53	0	0.74	0.10	0.72	2.94	38	30.72	91	86	47	0	1	2	1
MO SAINT LOUIS	65	46	69	38	55	0	1.46	0.85	0.81	5.39	101	35.09	114	90	56	0	0	3	2
MO SPRINGFIELD	65	46	76	36	55	1	1.86	1.06	1.04	9.30	119	30.15	83	94	61	0	0	4	2
MT BILLINGS	47	32	61	26	39	-7	0.29	0.05	0.19	2.00	86	10.77	81	84	42	0	4	3	0
MT GLASGOW	47	26	55	20	37	-6	0.03	-0.08	0.03	3.00	1.82	8.37	82	85	50	0	7	1	0
MT GREAT FALLS	44	28	55	20	36	-9	0.24	0.08	0.24	1.91	101	8.56	63	87	53	0	5	1	0
MT HAVRE	48	26	59	21	36	-6	0.04	-0.06	0.04	2.08	128	10.24	101	87	54	0	6	1	0
MT HELENA	48	30	56	20	38	-4	0.01	-0.10	0.01	0.54	33	8.51	81	80	38	0	4	1	0
MT KALISPELL	45	28	49	20	36	-2	0.46	0.27	0.17	2.87	146	18.92	142	92	52	0	6	3	0
MT MILES CITY	48	29	57	25	37	-7	0.78	0.60	0.32	1.80	88	11.94	93	97	59	0	7	3	0
MT MISSOULA	46	29	51	22	37	-4	0.08	-0.09	0.05	1.09	63	12.77	112	88	53	0	4	2	0
NE GRAND ISLAND	61	36	70	30	49	0	0.00	-0.24	0.00	3.02	76	26.94	117	85	32	0	3	0	0
NE LINCOLN	63	40	75	31	52	2	0.14	-0.26	0.14	3.96	75	32.52	126	84	41	0	1	1	0
NE NORFOLK	59	37	71	29	48	0	0.02	-0.29	0.02	3.27	86	21.41	92	84	37	0	3	1	0
NE NORTH PLATTE	58	28	66	16	43	-3	0.03	-0.16	0.03	5.86	242	24.34	136	84	36	0	5	1	0
NE OMAHA	62	41	77	32	51	1	1.17	0.73	1.06	6.06	106	28.27	104	88	44	0	1	2	1
NE SCOTTSBLUFF	56	25	63	15	40	-6	0.13	-0.04	0.13	2.67	153	15.23	109	82	34	0	7	1	0
NE VALENTINE	56	30	65	15	43	-6	0.39	0.16	0.35	5.18	154	15.89	78	87	40	0	4	2	0
NV ELY	44	14	55	-1	29	-14	0.19	0.00	0.14	0.64	36	5.54	63	82	36	0	7	3	0
NV LAS VEGAS	66	46	76	36	56	-9	0.00	-0.06	0.00	0.00	0	0.91	29	46	14	0	0	0	0
NV RENO	53	27	65	18	40	-8	0.18	0.08	0.09	0.63	97	8.07	144	83	32	0	6	3	0
NV WINNEMUCCA	49	22	59	5	36	-10	0.29	0.13	0.22	0.89	100	7.02	111	82	36	0	5	4	0
NH CONCORD	57	39	65	33	48	3	6.20	5.44	3.88	10.20	188	37.53	129	97	47	0	0	4	2
NJ ATLANTIC CITY	63	44	72	39	54	2	0.16	-0.51	0.08	9.92	189	42.27	128	95	58	0	0	3	0
NM ALBUQUERQUE	54	32	63	26	43	-11	0.34	0.15	0.17	2.49	140	8.32	106	80	34	0	4	3	0
NM CLOVIS	64	35	70	27	49	-6	-	-	-	-	-	-	-	79	26	0	2	-	-
NM ROSWELL	68	36	80	30	52	-7	-	-	-	-	-	-	-	76	23	0	3	-	-
NY ALBANY	60	39	67	32	50	2	0.89	0.24	0.72	6.88	130	36.39	123	97	63	0	1	3	1
NY BINGHAMTON	56	40	67	37	48	2	0.45	-0.20	0.21	7.57	132	36.71	121	92	60	0	0	4	0
NY BUFFALO	57	46	66	43	51	3	0.90	0.19	0.40	10.99	182	40.42	132	94	67	0	0	4	0
NY NEW YORK	64	53	69	48	59	4	0.23	-0.47	0.19	9.71	166	38.34	111	87	48	0	0	3	0
NY ROCHESTER	59	41	72	35	50	2	0.86	0.31	0.49	10.18	204	37.77	145	100	65	0	0	4	0
NY SYRACUSE	59	41	71	34	50	2	0.32	-0.41	0.23	6.15	96	29.72	94	95	60	0	0	5	0
NC ASHEVILLE	68	39	74	31	54	0	0.16	-0.86	0.08	5.66	72	38.72	83	86	35	0	2	2	0
NC CHARLOTTE	74	47	79	40	61	2	0.01	-0.73	0.01	6.04	96	34.27	95	80	32	0	0	1	0
NC GREENSBORO	70	45	77	39	58	2	0.00	-0.77	0.00	14.82	228	44.25	123	88	42	0	0	0	0
NC HATTERAS	71	56	76	49	63	0	0.00	-1.13	0.00	8.59	91	-	-	84	51	0	0	0	0
NC NEW BERN	78	50	83	42	63	2	0.00	-0.61	0.00	14.52	191	50.95	108	92	39	0	0	0	0
NC RALEIGH	74	46	80	37	60	3	0.02	-0.61	0.02	20.02	361	50.33	144	90	43	0	0	1	0
NC WILMINGTON	76	50	82	41	63	2	0.00	-0.62	0.00	19.39	203	60.28	122	93	35	0	0	0	0
ND BISMARCK	47	28	59	18	38	-4	1.69	1.52	1.01	4.48	198	18.22	127	91	61	0	5	3	2
ND FARGO	51	34	60	22	42	1	0.11	-0.23	0.10	3.21	94	12.82	72	88	63	0	4	2	0
ND GRAND FORKS	48	33	59	20	41	0	1.15	0.91	1.11	2.86	86								

Weather Data for the Week Ending October 26, 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	50 AND ABOVE	32 AND BELOW	01 INCH OR MORE		.05 INCH OR MORE	
																		01 INCH OR MORE	.05 INCH OR MORE	01 INCH OR MORE	.05 INCH OR MORE
OK TOLEDO	81	44	86	34	53	4	0.26	-0.22	0.16	3.41	74	23.48	87	83	68	0	0	2	0		
OK YOUNGSTOWN	57	40	67	36	49	0	0.60	0.02	0.21	9.31	165	35.19	114	94	68	0	0	3	0		
OK OKLAHOMA CITY	71	47	81	39	59	0	0.54	-0.12	0.27	6.98	105	33.10	112	90	41	0	0	4	0		
OK TULSA	68	49	78	37	59	0	2.90	2.14	1.74	8.00	103	21.22	81	85	42	0	0	3	2		
OR ASTORIA	55	40	56	32	48	-3	4.01	2.48	1.36	13.31	175	59.76	133	98	72	0	1	6	3		
OR BURNS	47	19	55	-9	33	-9	0.23	0.04	0.14	1.28	112	9.46	128	94	43	0	6	3	0		
OR MEDFORD	56	40	62	30	48	-4	0.85	0.44	0.41	2.07	101	16.76	139	95	31	0	2	5	0		
OR PENDLETON	52	37	55	29	45	-5	0.49	0.26	0.21	1.41	109	10.26	117	85	47	0	3	4	0		
OR PORTLAND	54	43	58	36	49	-4	1.79	1.07	0.56	7.81	195	39.69	163	98	63	0	0	5	2		
OR SALEM	55	41	59	33	48	-3	1.40	0.57	0.53	5.86	148	41.11	161	98	65	0	0	5	1		
PA ALLENTOWN	63	42	72	36	62	2	0.26	-0.41	0.22	11.84	188	44.31	124	83	53	0	0	2	0		
PA ERIE	58	44	68	42	51	0	0.30	-0.53	0.18	12.78	170	42.37	127	97	72	0	0	4	0		
PA HARRISBURG	63	47	72	41	55	3	0.22	-0.44	--	7.52	127	42.48	128	98	61	0	0	--	--		
PA PHILADELPHIA	64	47	75	41	55	4	0.22	-0.49	0.19	9.34	138	42.12	111	97	58	0	0	3	0		
PA PITTSBURGH	58	43	68	36	51	1	0.77	0.25	0.43	8.20	167	39.45	128	90	57	0	0	4	0		
PA SCRANTON	60	41	69	38	51	2	0.28	-0.37	0.15	7.72	137	38.38	127	94	56	0	0	2	0		
RI PROVIDENCE	63	46	67	41	54	3	3.01	2.14	2.58	11.82	178	39.61	109	91	48	0	0	3	1		
SC CHARLESTON	76	48	80	39	62	-2	0.00	-0.59	0.00	9.41	132	36.41	80	91	42	0	0	0	0		
SC COLUMBIA	76	42	81	34	59	-2	0.00	-0.86	0.00	4.80	78	29.40	68	89	37	0	0	0	0		
SC FLORENCE	75	46	81	39	61	-1	--	--	--	--	--	--	--	98	40	0	0	--	--		
SC GREENVILLE	72	46	78	36	59	1	0.03	-0.85	0.03	5.30	73	42.87	100	83	39	0	0	1	0		
SD ABERDEEN	53	29	59	18	41	-3	0.51	0.22	0.51	6.29	199	20.28	103	89	61	0	4	1	1		
SD HURON	56	31	67	24	43	-1	0.56	0.26	0.58	3.76	126	18.75	89	90	49	0	4	1	1		
SD RAPID CITY	51	28	57	20	40	-6	1.49	1.26	1.46	3.78	174	18.91	122	84	49	0	6	2	1		
SD SIOUX FALLS	56	35	73	28	45	0	0.00	-0.33	0.00	4.16	92	16.20	74	90	52	0	4	0	0		
TN CHATTANOOGA	69	43	78	33	57	-1	0.86	0.13	0.47	8.46	125	45.80	106	94	43	0	0	4	0		
TN KNOXVILLE	68	45	74	33	57	1	0.44	-0.22	0.31	4.46	82	38.11	99	88	40	0	0	2	0		
TN MEMPHIS	69	51	77	44	60	0	3.88	3.16	1.98	10.40	174	55.59	136	87	52	0	0	4	3		
TN NASHVILLE	70	46	78	33	58	1	1.13	0.52	0.63	6.73	121	37.31	98	88	42	0	0	3	1		
TX ABILENE	75	48	87	37	61	-2	0.71	0.20	0.89	6.79	127	23.59	109	89	31	0	0	2	1		
TX AMARILLO	66	37	75	30	52	-4	0.23	-0.04	0.23	2.09	67	18.81	102	89	29	0	3	1	0		
TX AUSTIN	78	55	86	39	65	-3	0.20	-0.54	0.15	3.25	52	21.59	79	92	53	0	0	3	0		
TX BEAUMONT	77	57	84	41	67	-1	3.54	2.63	2.12	15.10	153	41.12	87	96	62	0	0	3	2		
TX BROWNSVILLE	84	68	87	52	76	2	0.25	-0.20	0.17	20.06	235	27.28	118	94	60	0	0	3	0		
TX CORPUS CHRISTI	86	65	90	41	75	3	0.45	-0.08	0.23	4.00	49	18.90	63	91	53	2	0	2	0		
TX DEL RIO	81	54	92	38	68	0	0.03	-0.59	0.03	2.38	45	9.46	43	84	28	1	0	1	0		
TX EL PASO	70	43	79	26	56	-5	0.00	-0.13	0.00	1.24	53	8.94	114	47	17	0	2	0	0		
TX FORT WORTH	73	52	84	40	62	0	2.16	1.35	2.02	3.67	45	22.71	70	88	56	0	0	2	1		
TX GALVESTON	75	66	82	52	70	-1	2.79	2.26	2.05	6.23	75	18.67	53	91	67	0	0	2	2		
TX HOUSTON	77	56	87	40	67	0	1.26	0.27	0.55	9.47	101	31.22	72	96	62	0	0	5	1		
TX LUBBOCK	69	37	82	31	53	-5	0.25	-0.11	0.25	0.84	20	13.11	76	85	26	0	2	1	0		
TX MIDLAND	75	41	86	30	58	-4	0.10	-0.10	0.10	1.07	24	7.55	54	84	25	0	1	1	0		
TX SAN ANGELO	79	46	88	33	62	-1	0.05	-0.40	0.05	2.11	38	16.81	92	84	27	0	0	1	0		
TX SAN ANTONIO	79	55	88	36	67	-1	0.01	-0.68	0.01	3.75	61	12.54	47	92	48	0	0	1	0		
TX VICTORIA	80	60	86	40	70	1	0.17	-0.70	0.13	5.83	56	22.55	59	95	53	0	0	4	0		
TX WACO	78	52	88	38	64	-1	0.19	-0.52	0.12	2.12	33	19.02	70	91	51	0	0	3	0		
TX WICHITA FALLS	74	49	86	41	62	0	0.82	0.21	0.51	5.88	93	18.81	73	88	37	0	0	2	1		
UT CEDAR CITY	50	21	59	15	36	-13	0.11	-0.11	0.09	1.09	61	9.49	99	74	24	0	7	2	0		
UT SALT LAKE CITY	48	31	56	25	39	-11	0.92	0.59	0.49	2.45	97	13.85	104	79	41	0	4	4	0		
VT BURLINGTON	55	42	59	35	49	3	2.38	1.72	1.04	6.25	110	35.07	123	93	64	0	0	4	2		
VA NORFOLK	70	51	81	41	60	2	0.02	-0.66	0.02	6.89	106	45.19	118	90	51	0	0	1	0		
VA RICHMOND	69	47	75	39	58	2	0.12	-0.68	0.11	14.06	221	45.72	126	96	47	0	0	2	0		
VA ROANOKE	68	49	78	43	58	5	0.08	-0.81	0.08	8.17	121	44.23	128	81	44	0	0	1	0		
WA QUILLAYUTE	52	38	55	34	45	-4	3.70	1.00	1.67	15.84	118	67.64	92	96	66	0	0	5	2		
WA SEATTLE-TACOMA	52	43	54	37	47	-4	1.52	0.86	0.71	6.44	143	34.27	138	97	70	0	0	5	2		
WA SPOKANE	45	29	52	23	37	-7	1.05	0.78	0.37	3.30	220	16.22	138	99	66	0	6	5	0		
WV YAKIMA	53	25	59	18	39	-8	0.17	0.04	0.09	0.75	97	6.28	116	93	45	0	7	3	0		
WV BECKLEY	61	44	75	37	53	3	0.37	-0.26	0.28	8.66	151	48.09	140	89	48	0	0	2	0		
WV CHARLESTON	63	47	77	41	55	2	0.40	-0.27	0.17	9.32	168	48.93	139	92	52	0	0	6	0		
WV HUNTINGTON	64	47	76	41	56	4	0.81	-0.07	0.30	5.90	105	43.08	120	89	54	0	0	5	0		
WV PARKERSBURG	62	48	68	40	55	2	0.52	-0.09	0.18	6.95	134	41.76	120	95	59	0	0	5	0		
WI GREEN BAY	58	39	65	28	48	3	1.02	0.56	0.66	3.28	62	21.70	87	97	66	0	1	3	1		
WI LACROSSE	58	44	66	39	51	4	1.32	0.89	--	3.28	58	22.73	83	85	56	0	0	--	--		
WI MADISON	58	39	66	28	49	2	0.71	0.22	0.67	2.81	49	26.43	94	93	60	0	2	2	1		
WI MILWAUKEE	58	44	64	35	51	4	0.49	-0.03	0.46	3.35	62	19.09	69	92	61	0	0	2	0		
WI WAUSAU	54	41	63	32	48	4	0.89	0.37	0.40	4.83	74	30.10	103	95	60	0	1	4	0		
WY CASPER	44	25	52	19	35	-8	1.33	1.11	0.69	2.45	138	9.39	86	85	47	0	7	3	1		
WY CHEYENNE	45	26	52	18	35	-9	0.18	0.04	0.10	2.82	150	15.26	114	69	35	0	5	2	0		
WY LANDER	43	25	52	19	34	-9	0.50	0.25	0.20	1.27	61	7.67	67	79	45	0	7	3	0		
WY SHERIDAN	47	27	63	20	37	-7	0.75	0.50	0.65	1.98	83	11.42	89	87	51	0	7	3	1		
PR SAN JUAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		

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

October 21 - 27, 1996

### HIGHLIGHTS

**Widespread rains over the western Corn Belt slowed the row-crop harvest. An early fall snowstorm left fields too wet for harvest activity in the central Great Plains and Mountain States. Grain moisture levels remained high in some late-maturing row-crop fields in the central Great Plains, where above-freezing temperatures left some plants in need of a hard frost to halt plant growth and aid drying. Thunderstorms in the Delta and Gulf Coast region delayed harvest activity and caused**

**some damage to cotton fields with open bolls. Dry weather over most of the Southeast allowed harvest progress to advance. Rain in parts of the mid-Atlantic damaged plants and left fields too wet for harvest activity and caused some corn ears to sprout. Heavy rains in the Pacific Northwest halted fieldwork. In the upper High Plains, recently planted small grains received much-needed moisture. Rain and snowstorms delayed fieldwork in the Dakotas for most of the week.**

The **winter wheat** crop in the 19 major producing States was 90 percent (%) planted, up 5 percentage points from last week, and 2 points ahead of the 5-year average. Winter wheat emerged for the major producing States was 74% complete, up 11 points from last week and 4 points ahead of the average. Planting progress in Illinois, Indiana, and Ohio was 9 points behind the average due to the prolonged row-crop harvest. Winter wheat seeding in the eastern Corn Belt was about 1 week behind normal, and some winter wheat was seeded in wet fields. Wheat acreage seeded in Texas, at 95% complete, was 15 points ahead of the average, while winter wheat emerged was 25 points ahead. Spraying for armyworms continued in the Texas High Plains, where damage from the insects was declining due to cooler weather. Many wheat producers in California were waiting for rain before planting.

**Corn** harvested at 45% complete was up 15 points from last week but 15 points behind normal. Wet weather and high moisture levels slowed the corn harvest in the Corn Belt. In Indiana, the corn harvest was 16 days behind the average. Corn harvested in Illinois and Iowa was 21 points behind the average.

**Cotton** acreage harvested was estimated at 53%, up 8 points from last week, but 1 point behind the average. Cotton defoliation neared completion in

California's San Joaquin and Sacramento Valleys, where harvested fields were promptly shredded and disced for pink bollworm control. Frost in the Texas High Plains reduced the need for defoliation and killed bollworm larvae in small cotton bolls, but damaged some immature bolls.

**Sorghum** harvested, at 59% complete, was up 9 points from the previous week but 12 points below the average. In Nebraska, sorghum harvested, at 28% complete, was up 13 points from last week, but 38 points behind the average. The high grain-moisture levels and wet fields slowed sorghum harvest activity in the central Great Plains. Cold weather in the Texas High Plains damaged some late-planted sorghum fields.

**Soybean** acreage harvested, at 73%, was up 10 points from last week but 8 points less than the average. In Georgia, Illinois, Missouri, and Ohio, harvest advanced 14 points from last week. Ohio's soybean harvest at 59% complete was 30 points behind normal. Harvesting of Indiana's soybeans was 14 days behind the average. Widespread rain slowed the soybean harvest in the western Corn Belt. Producers in Missouri concentrated on completing the soybean harvest as weather permitted. A frost in Tennessee ended the growing season for soybeans and helped the plants shed leaves.

# Crop Progress and Condition

Week Ending October 27, 1996

Winter Wheat Percent Planted				
	Oct 27 1996	Prev Week	Prev Year	5-Yr Avg
AR	41	34	51	46
CA	15	10	7	6
CO	99	98	98	100
GA	9	6	16	11
ID	95	91	87	91
IL	77	57	90	86
IN	78	60	90	87
KS	97	94	98	97
MI	93	82	97	92
MO	65	51	78	68
MT	99	95	97	93
NE	100	99	100	100
NC	30	25	31	33
OH	82	64	99	91
OK	94	90	91	92
OR	90	81	79	79
SD	100	97	100	100
TX	95	91	79	80
WA	98	97	96	94
ALL	90	85	89	88

These 19 States produced 92% of the 1995 winter wheat crop.

Soybeans Percent Harvested				
	Oct 27 1996	Prev Week	Prev Year	5-Yr Avg
AL	49	32	40	37
AR	51	38	61	49
GA	25	11	12	18
IL	74	60	97	93
IN	67	54	97	91
IA	91	83	97	95
KS	73	61	88	81
KY	35	23	67	50
LA	86	85	86	70
MI	64	40	90	72
MN	99	95	88	92
MS	74	66	83	59
MO	60	46	76	70
NE	98	91	93	94
NC	13	8	11	13
OH	59	45	91	89
SC	10	5	4	9
SD	95	84	81	86
TN	23	18	46	36
ALL	73	63	85	81

These 19 States produced 94% of the 1995 soybean crop.

Cotton Percent Harvested				
	Oct 27 1996	Prev Week	Prev Year	5-Yr Avg
AL	68	53	78	63
AZ	44	35	39	60
AR	80	68	80	71
CA	50	42	19	49
GA	54	45	61	49
LA	94	82	96	85
MS	89	78	93	75
MO	69	62	77	75
NM	33	21	30	24
NC	50	35	46	48
OK	19	10	9	26
SC	65	54	46	46
TN	76	73	67	66
TX	28	24	43	41
ALL	53	45	56	54

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

Sorghum Percent Harvested				
	Oct 27 1996	Prev Week	Prev Year	5-Yr Avg
AR	97	96	98	97
CO	56	39	58	45
IL	31	19	63	67
KS	58	45	79	66
LA	100	100	100	99
MS	100	97	100	98
MO	66	58	72	73
NE	28	15	88	66
NM	7	1	21	27
OK	29	20	29	34
SD	78	56	70	65
TX	75	71	90	87
ALL	59	50	80	71

These 12 States produced 98% of the 1995 sorghum crop.

Winter Wheat Percent Emerged				
	Oct 27 1996	Prev Week	Prev Year	5-Yr Avg
AR	21	11	22	26
CA	5	1	2	2
CO	93	89	91	93
GA	6	3	7	7
ID	66	53	58	62
IL	48	22	57	61
IN	52	26	63	62
KS	80	74	82	81
MI	66	40	80	74
MO	42	24	44	43
MT	70	61	80	70
NE	97	91	98	98
NC	16	7	12	16
OH	53	26	70	63
OK	72	57	52	67
OR	64	43	47	47
SD	84	81	91	96
TX	87	78	58	62
WA	92	91	86	78
ALL	74	63	68	70

These 19 States produced 92% of the 1995 winter wheat crop.

Corn Percent Harvested				
	Oct 27 1996	Prev Week	Prev Year	5-Yr Avg
CO	67	36	38	50
GA	96	95	98	98
IL	50	35	88	71
IN	32	23	84	61
IA	35	17	69	56
KS	81	70	82	84
KY	80	75	93	84
MI	21	13	59	38
MN	53	25	70	50
MO	70	62	67	70
NE	45	22	54	57
NC	92	88	95	92
OH	22	15	62	50
PA	35	30	67	40
SD	37	19	50	47
TX	97	94	96	98
WI	25	12	65	42
ALL	45	30	72	60

These 17 States produced 91% of the 1995 corn crop.

Peanuts Percent Harvested				
	Oct 27 1996	Prev Week	Prev Year	5-Yr Avg
AL	82	71	90	91
FL	91	80	NA	NA
GA	89	73	93	92
NC	68	55	72	75
OK	62	49	63	59
SC	81	74	84	76
TX	51	36	41	42
VA	92	85	96	94
ALL	78	64	79	78

These 8 States produced 99% of the 1995 peanut crop.

# Crop Progress and Condition

Week Ending October 27, 1996

## Winter Wheat Crop Condition by Percent

	VP	P	F	G	EX
AR	0	0	36	61	3
CA	0	0	45	55	0
CO	1	2	16	58	23
GA	0	0	15	84	1
ID	0	0	12	65	23
IL	0	1	18	63	18
IN	0	2	46	42	10
KS	0	0	13	71	16
MI	1	7	41	32	19
MO	0	0	19	69	12
MT	0	7	65	26	2
NE	0	3	27	60	10
NC	5	12	32	48	3
OH	0	3	26	60	11
OK	0	2	23	67	8
OR	0	4	61	28	7
SD	4	1	26	45	24
TX	1	7	36	44	12
WA	0	5	36	51	8
ALL	0	3	26	58	13
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	1	8	33	51	7

## Cotton Crop Condition by Percent

	VP	P	F	G	EX
AL	2	2	14	67	15
AZ	4	12	46	34	4
AR	0	4	36	51	9
CA	0	0	0	45	55
GA	1	4	37	47	11
LA	1	12	49	37	1
MS	1	4	33	48	14
MO	0	10	28	57	5
NM	1	1	15	52	31
NC	1	4	38	50	7
OK	4	35	28	30	3
SC	0	5	25	65	5
TN	0	2	16	66	16
TX	8	15	27	32	18
ALL	4	9	28	43	16
Prev Wk	3	10	28	44	15
Prev Yr	NA	NA	NA	NA	NA

## Pasture and Range Crop Condition by Percent Week Ending October 27, 1996

	VP	P	G	F	EX		VP	P	G	F	EX
AL	0	3	37	56	4	NH	0	9	29	62	0
AZ	14	17	33	29	7	NJ	0	0	0	100	0
AR	0	16	40	40	4	NM	4	13	34	42	7
CA	5	20	60	15	0	NY	0	0	25	75	0
CO	3	7	26	54	10	NC	1	5	28	58	8
CT	0	0	0	100	0	ND	2	20	42	34	2
DE	0	0	5	95	0	OH	3	10	34	45	8
FL	0	0	35	65	0	OK	0	3	20	59	18
GA	0	7	38	49	6	OR	1	48	36	15	0
ID	3	29	38	29	1	PA	3	10	25	49	13
IL	5	14	41	37	3	RI	0	0	17	50	33
IN	3	12	51	32	2	SC	0	5	33	57	5
IA	5	18	35	37	5	SD	0	8	26	53	13
KS	0	2	22	70	6	TN	0	3	22	61	14
KY	0	11	34	44	11	TX	4	20	45	26	5
LA	0	7	37	52	4	UT	7	33	50	10	0
ME	0	0	36	64	0	VT	42	0	42	16	0
MD	1	2	20	59	18	VA	0	2	16	72	10
MA	0	40	6	54	0	WA	0	15	40	40	5
MI	8	32	34	23	3	WV	0	3	23	62	12
MN	7	23	38	31	1	WI	11	21	39	28	1
MS	3	12	41	39	5	WY	2	19	42	37	0
MO	2	12	38	45	3	ALL	3	14	35	42	6
MT	5	29	36	29	1	Prev Wk	3	12	36	42	7
NE	0	3	17	70	10	Prev Yr	4	16	36	40	4
NV	8	10	35	46	1						

## Last Pasture Condition Table of Season

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

\* Revised

National crop conditions for selected States are weighted based on 1995 planted acres.

## 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 5.6. Topsoil moisture 1% very short, 12% short, 81% adequate, 6% surplus. Corn harvested 96%, 100% 1995, 96% avg. Wheat planted 30%, 32% 1995, 38% avg. Livestock 2% poor, 30% fair, 63% good, 5% excellent. Mild, clear weather provided excellent harvest conditions through 24th as major row-crops progressed 11 to 17 points.

**ARIZONA:** Cotton defoliating was active; daytime record-low temperatures. Alfalfa 1% poor, 6% fair, 85% good, 8% excellent. Harvest activity 38% light, 6% moderate, 33% active, and 23% finished or not active. A good volume of cantaloupe and honeydews were shipped from the central area along with a lighter supply of watermelon and specialty melons. Mixed greens, green onions, and radishes were also being harvested from this area along with the first broccoli. Pumpkins volume was slowing. Western growers shipped the first Iceberg lettuce along with cantaloupe and honeydews, and eastern growers continued harvesting Iceberg lettuce. Apple harvesting was steady in eastern orchards. Lemons and grapefruit were being picked and shipped from both western and central production areas.

**ARKANSAS:** Days suitable for fieldwork 4. Soil moisture 0% very short, 5% short, 59% adequate, and 36% surplus. Main farming activities: Ginning cotton; seeding cool season forage; planting wheat, oats, winter annuals; and harvesting cotton, rice, corn, sorghum, soybeans, and hay. Excessive rainfall delayed fieldwork. Soybean harvest continued in many counties. Cotton harvest and ginning progressed in several counties. Heavy rainfall caused some damage to the cotton crop in numerous counties. Wheat, oats plantings proceeded in many counties. Corn harvest was completed. Most counties reported rice, sorghum harvests were near completion. Seeding cool season pastures was reported by many counties. Fertilizer applications to pastures were reported by numerous counties. Ouachita County reported some late vegetable harvest. Livestock continued to be in good condition across State. Weaning, vaccinating, selling cattle continued. Hay harvest completed.

**CALIFORNIA:** Field activities progressed normally under favorable conditions in most areas. Rice harvest was winding down in the Sacramento and San Joaquin Valleys. Harvested field stubble was baled for straw or burned. Blast disease caused yields in some fields to be off by 20 to 30% in Colusa and Glenn Counties. Ground preparation, planting of small grains, winter forages, new alfalfa was active in some areas. Established alfalfa was cut for hay. Many growers, awaiting rainfall, were holding off on planting small grains. Cotton defoliation neared completion in the San Joaquin and Sacramento Valleys. Some fields required a second defoliant application because of regrowth. Harvest continued in the San Joaquin and Sacramento Valleys, was virtually complete in the desert areas. Harvested cotton fields were immediately shredded, disced for pink bollworm control. Black eye beans, old crop sugar beets, corn for grain, silage were harvested. New crop sugar beets were planted in Fresno County. Table grape harvest neared completion in Fresno County. Raisin grape harvest was virtually complete. Wine grape harvest was winding down in Sonoma County. Harvest of late season walnut varieties continued. Pistachio harvest neared completion. Stone fruit, almond orchards were pruned. Fuji, Granny Smith, and Gala variety apple harvests continued in the San Joaquin Valley. Olive, fig, pomegranate, persimmon, and kiwifruit harvests continued in the San Joaquin and Sacramento Valleys. Harvest of lemons, grapefruit, Valencia oranges progressed. Mandarin harvest began in the San Joaquin Valley. Navel orange harvest was slow in southern counties, just beginning in northern areas. Lettuce

harvest continued along the coast, in the San Joaquin Valley. Carrots were harvested in Fresno County. Broccoli, cauliflower were harvested in the Salinas-Watsonville area, in Stanislaus County. Sweet corn was harvested in the Sacramento and San Joaquin Valleys. Potatoes were harvested in the Tulelake-Butte Valley area. Green beans were harvested in Tulare County. Harvest of brussels sprouts began in Monterey County. Onion harvest continued. Harvest of fresh market tomatoes, squash, cucumbers progressed in the San Joaquin Valley. Sweetpotato harvest continued in Kern County. Cantaloupe, honeydew melons were harvested in the Imperial Valley. Pumpkins were harvested in the San Joaquin and Sacramento Valleys. Rangeland conditions continue the seasonal decline in feed quality. Supplemental feeding increased in many areas. Scattered showers did little to improve forage quality. Frosts were reported at higher elevations. Condition of cattle and sheep remained good. Cattle were moved from higher elevation pastures. Sheep were grazing melon fields. Lambs were moved into the Imperial Valley. Calving was active.

**COLORADO:** Days suitable for fieldwork 6.4. Topsoil 5% very short, 24% short, 70% adequate, 1% surplus. Subsoil 9% very short, 15% short, 75% adequate, 1% surplus. Sorghum 97% mature, 92% 1995, 90% avg. Sugar beets 84% harvested, 81% 1995, 70% avg. Alfalfa hay 73% 4th cutting, 35% 1995, 56% avg.

**DELAWARE:** Days suitable for fieldwork 5.0. Topsoil 1% short, 80% adequate, 19% surplus. Subsoil 2% short, 96% adequate, 2% surplus. Corn 82% harvested for grain, 95% 1995, 87% avg. Soybeans 84% shedding leaves, 96% 1995, 93% avg.; 24% harvested, 37% 1995, 34% avg. Sorghum 28% harvested, 59% 1995, 38% avg. Apples 96% harvested, 95% 1995, 94% avg. Alfalfa hay 90% 4th cutting, 76% 1995, 95% avg.; 50% 5th cutting, 0% 1995, 44% avg. Other hay 72% 4th cutting, 20% 1995, 63% avg. Barley 1% fair, 99% good; 71% planted, 71% 1995, 71% avg. Winter wheat 1% fair, 98% good, 1% excellent; 22% seeded, 36% 1995, 40% avg. Rye 100% good; 48% planted, 38% 1995, 57% avg. Hay supplies 2% very short, 26% short, 70% adequate, 2% surplus. Activities: Harvesting field crops and hay, and planting small grain crops.

**FLORIDA:** Topsoil mostly short to adequate throughout State. Peanut harvest 91% complete. Cotton harvest active. Haying winding down. Soybean harvest active. Sugarcane mills starting to open for harvest season. Producers able to get most vegetable fieldwork back on schedule. Workers replaced fertilizer leached by recent heavy rains, with most vegetable plants recovering well. Harvesting of major vegetables active, with tomatoes, sweet corn, peppers, squash, radishes, cucumbers, watermelons, cantaloupes, okra available. Cool weather and very little rain this week in citrus areas. Shorter days and less rain were slowing tree growth. Harvest of early fruit gaining momentum. More groves now passing minimum maturity tests. At least 11 processing plants were open for packing house eliminations. Caretakers were cutting cover crops, spraying, and fertilizing. Pasture feed condition was fair 35% and good 65%. Grass pasture almost gone in the north as fall winds down. Water is subsiding in pastures in the north and southeast that had standing water problems last week. Cattle herd condition was fair 20% and good 80%.

**GEORGIA:** Days suitable for fieldwork 6.1. Soil moisture 2% very short, 33% short, 63% adequate, 2% surplus. Cotton 94% bolls open, 95% 1995, 94% avg. Hay 7% poor, 35% fair, 55% good, 3% excellent. Peanuts 1% very poor, 11% poor, 40% fair, 44% good, 4% excellent; 96% dug, 98% 1995, 98% avg. Rye 62% planted, 80% 1995, 61% avg.

Sorghum 4% very poor, 8% poor, 33% fair, 51% good, 4% excellent; 60% harvested for grain, 77% 1995, 80% avg. Soybeans 1% very poor, 5% poor, 28% fair, 57% good, 9% excellent. Other small grains 44% planted, 60% 1995, 42% avg. Onions 0% transplanted, 1% 1995, 2% avg. Apples 99% harvested, 95% 1995, 92% avg. Pecans 16% harvested, 15% 1995, 15% avg. Good week for harvest. Only light rain in the north caused a slight delay. Cotton picking very active, ahead of normal. Peanut harvest active but behind normal. Pecan harvest gaining momentum. Excellent progress on soybean harvest. Good week for planting small grains, need rain. Activities: Harvesting corn, cotton, peanuts, soybeans, pecans. Planting small grains. Preparing land. Seeding pastures. Final hay harvest. Mowing cotton stalks, harvesting vegetables.

**HAWAII:** Prolonged sunny, dry weather generally unfavorable for agriculture. Major vegetable regions of Kula, Maui, Waimea, Hawaii remained under water conservation measures. Water levels very low, further conservation measures are imminent. Rainfall concentrated at western end of State. Kauai island received over 2 inches of rain on some days. Sugarcane planting delayed in some areas due to reduction in irrigation water. Dry weather, cutback in water likely to effect harvesting through next year. Coffee harvest progressing, nearly completed in some areas. Kona coffee bean recovery rate back to near normal. Chinese cabbage also steady. Papaya harvesting continuing, disease continues to spread. Trees in mostly fair condition, helped by daily showers. Banana production steady, orchard conditions good.

**IDAHO:** Days suitable for fieldwork 4.6. Topsoil 10% very short, 18% short, 63% adequate, 9% surplus. Potatoes harvested 98%, 96% 1995, 97% avg. Sugar beets harvested 54%, 67% 1995, 67% avg. Alfalfa hay harvested 4th cutting 86%. Corn harvested for grain 29%, 33% 1995, 42% avg.; harvested for silage 97%, 96% 1995, 96% avg. Apples harvested 86%, 75% 1995, 82% avg. Pasture feed, range 3% very poor, 29% poor, 38% fair, 29% good, 1% excellent. Irrigation water supply 1% poor, 8% fair, 78% good, 13% excellent. Activities: Seeding winter wheat, bedding fields for next year's sugar beets, potatoes, harvesting sugar beets, corn for grain.

**ILLINOIS:** Days suitable for fieldwork 4.3. Topsoil 1% very short, 16% short, 73% adequate, 10% surplus. Corn, soybean harvest slowed throughout the State last week due to widespread rains. Much of the corn in the northern districts still has high moisture content. Corn harvest to this point generally corresponds with the 1992, 1993 harvest seasons. Corn 98% mature, 100% 1995, 99% avg. Soybeans 98% shedding leaves, 100% 1995, 100% avg. Sorghum 94% mature, 87% 1995, 96% avg.

**INDIANA:** Days suitable for fieldwork 4.7. Topsoil 1% very short, 5% short, 85% adequate, and 9% surplus. Subsoil 2% very short, 11% short, 83% adequate, and 4% surplus. Average moisture content of harvested corn 24% and soybeans 13%. Percentage of corn harvested by region: 32% north, 25% central, and 48% south. Harvesting of corn 16 days behind average, and harvesting of soybeans 14 days behind average. Most soybeans are mature except some double-cropped and very late-planted soybeans. Percentage of soybeans harvested by region: 79% north, 66% central, and 51% south. Some farmers in southern counties finishing final cutting of hay. Activities: Winter wheat seeding, fall tillage, equipment maintenance, stalk chopping, and livestock care.

**IOWA:** Days suitable for fieldwork 4.5. Topsoil very short 2%, short 10%, adequate 76%, surplus 12%. Subsoil very short 4%, short 29%, adequate 65%, surplus 2%. Widespread rain across the State last week slowed the harvest of corn, soybean crops. Even though the rains kept producers out of the fields for a day or two, good progress was made on getting the crops out of the fields. Moisture level of corn remaining in the field averaged 24%, while the moisture level of harvested corn averaged 21%. Grain storage availability off-farm 7%

short, 87% adequate, 6% surplus; on-farm 4% short, 88% adequate, 8% surplus. Corn lodging 38% none, 47% light, 14% moderate, 1% heavy; corn ear droppage 44% none, 46% light, 9% moderate, 1% heavy. Completion of 1997 row-crop fall tillage 11%, 19% 1995, 18% avg.; fall fertilizer applied 10%, 17% 1995, 14% avg. Winter wheat planted 88%, 92% 1995, 91% avg. Livestock in good condition. A few reports of flu in hogs and calves received.

**KANSAS:** Days suitable for fieldwork 4.4. Topsoil 9% short, 81% adequate, 10% surplus. Subsoil 9% short, 83% adequate, 8% surplus. Grain moisture is still too high in some late maturing fall harvest crops. A frost at this point would be beneficial, as it would halt growth, aid in the drying process. There has not yet been a widespread hard frost. Temperatures fell only to slightly above freezing in most areas as the snowstorm passed through. Seeding of wheat is on par with the average, harvest of fall crops is slightly behind average progress. Fall crops remain mostly in good to excellent condition. Pastures are in good condition for this time of year, supplemental feeding is necessary in some cases. Stockmen are beginning to move cattle to crop stubble. Activities: Seeding wheat, fall harvest.

**KENTUCKY:** Days suitable for fieldwork 4.6. Topsoil 9% short, 79% adequate, 12% surplus. Subsoil 3% very short, 10% short, 80% adequate, 7% surplus. Burley tobacco 20% stripped, 24% 1995, 20% avg. Quality of stripped tobacco 2% poor, 25% fair, 56% good, 17% excellent. Housed tobacco mostly curing well, few reports of houseburn. Yields are variable. Blue mold affected quality, quantity. Winter wheat seeding progressed to 67% complete. Pasture feed 11% poor, 34% fair, 44% good, 11% excellent. Livestock good condition, hay supply mostly adequate going into winter.

**LOUISIANA:** Days suitable for fieldwork 4.9. Soil moisture 10% short, 59% adequate, 31% surplus. Cotton farmers remained concerned about lower than expected yields, poor lint quality. Pecans 1% very poor, 8% poor, 31% fair, 58% good, 2% excellent; 27% harvested, 6% 1995, 15% avg. Soybeans 100% dropping leaves, 99% 1995, 94% avg. Soybean harvest was disrupted by rains. Sugarcane 9% poor, 29% fair, 48% good, 14% excellent; 94% planted, 100% 1995, 99% avg.; 17% harvested, 24% 1995, 24% avg. Sugarcane planting neared completion, harvest progressed well despite wet conditions. Sweetpotatoes 84% harvested, 81% 1995, 79% avg. Sweetpotato harvest was disrupted by rains. Wheat 17% planted, 24% 1995, 20% avg.; 7% emerged, 9% 1995, 10% avg. Wheat planting made good progress until rains forced farmers out of their fields. Livestock 5% poor, 28% fair, 61% good, 6% excellent. Crawfish producers were busy managing ponds in hopes of an early harvest. Vegetables 9% poor, 44% fair, 45% good, 2% excellent. Vegetable condition was mostly good, drier weather was needed for it to remain so. Pasture feed 7% poor, 37% fair, 52% good, 4% excellent.

**MARYLAND:** Days suitable for fieldwork 4.7. Topsoil 82% adequate, 18% surplus. Subsoil 78% adequate, 22% surplus. Corn 82% harvested for grain, 89% 1995, 75% avg. Soybeans 97% shedding leaves, 97% 1995, 95% avg.; 35% harvested, 47% 1995, 41% avg. Sorghum 44% harvested, 65% 1995, 53% avg. Apples 77% harvested, 86% 1995, 87% avg. Alfalfa hay 63% 5th cutting, 30% 1995, 50% avg. Other hay 81% 4th cutting, 75% 1995, 58% avg. Hay supplies 5% very short, 16% short, 77% adequate, 2% surplus. Barley 11% fair, 76% good, 13% excellent; 80% planted, 85% 1995, 86% avg. Rye 20% fair, 74% good, 6% excellent; 64% planted, 69% 1995, 64% avg. Winter wheat 25% fair, 72% good, 3% excellent; 44% planted, 61% 1995, 55% avg. Tobacco stripped 11%, 11% 1995, 8% avg. Activities: Small grain plantings; harvesting field crops, apples.

**MICHIGAN:** Rain across the State gave most of the fields adequate moisture, mading work with field equipment difficult. Topsoil 4% short, 75% adequate, 21% surplus. Subsoil 4% very short, 13% short, 66% adequate, 17% surplus. All hay, 4th cutting 76%, 82% 1995, 68% avg.;

3% very poor, 20% poor, 37% fair, 32% good, 8% excellent. Sugar beets harvested 35%, 48% 1995, 63% avg. Potatoes harvested 94%, 100% 1995, 96% avg. Pasture feed 8% very poor, 32% poor, 34% fair, 23% good, 3% excellent.

**MINNESOTA:** Days suitable for fieldwork 4.5. Topsoil 16% short, 74% adequate, 10% surplus. Corn 53% harvested, 70% 1995, 50% avg.; 21% stubble worked, 31% 1995, 24% avg.; 22% moisture content, 19% 1995, 23% avg. Soybeans 99% harvested, 88% 1995, 92% avg.; 70% stubble worked, 38% 1995, 46% avg.; 12% moisture content, 12% 1995, 12% avg. Sunflowers 88% harvested, 78% 1995, 77% avg. Grain, hay stubble plowed 90%, 97% 1995, 97% avg. Pasture feed 7% very poor, 23% poor, 38% fair, 31% good, 1% excellent.

**MISSISSIPPI:** Days suitable for fieldwork 4.3. Soil moisture 4% very short, 18% short, 54% adequate, 24% surplus. Corn 100% harvested 100% 1995, N/A avg. Soybeans 100% turning color, 100% 1995, 100% avg.; 97% shedding leaves, 99% 1995, 94% avg.; 74% harvested, 83% 1995, 59% avg.; 1% very poor, 3% poor, 34% fair, 51% good, 11% excellent. Wheat 68% planted, 56% 1995, 48% avg.; 1% poor, 29% fair, 66% good, 4% excellent. Peanuts 100% harvested, 99% 1995, 97% avg.; Pecans 20% harvested, 13% 1995, 21% avg.; 24% very poor, 9% poor, 34% fair, 26% good, 7% excellent. Sweetpotatoes 82% harvested, 90% 1995, 86% avg.; 8% fair, 49% good, 43% excellent. Cattle 2% very poor, 5% poor, 31% fair, 53% good, 9% excellent. Pasture feed 3% very poor, 12% poor, 41% fair, 39% good, 5% excellent. Main farming activities: Harvesting row crops, planting winter crops. Rain delayed harvesting efforts, helped pastures, winter grazing.

**MISSOURI:** Days suitable for fieldwork 3.3. Topsoil 5% short, 77% adequate, and 18% surplus. In between thundershowers and snowfall in parts of the State, farmers were able to harvest row crops. Although some advances were made in harvesting the corn, sorghum, and cotton crops, farmers concentrated on harvesting soybeans as weather permitted. Virtually all of the corn crop has been harvested across the southern portion of the State, followed by 85% in the west-central area. Corn harvest is least advanced in the northeast at around 50%, followed by 60% northwest. Ninety-eight percent of the soybean crop is dropping leaves, while 90% has reached maturity, about 4 days behind norm. Around 65% of the soybean crop has been harvested across all areas of the State, except the southeastern district, which indicates around 40% harvested. The soybean crop condition was 6% poor, 28% fair, 52% good, and 14% excellent. Ninety-seven percent of the sorghum crop was mature, just slightly behind norm. Bootheel and southwestern districts lead the State, with over 90% of the sorghum crop harvested, compared with around 30% in the northern third of the State. Percentage of ground worked at least once for next year's spring crops 19%, 15% 1995, and 17% avg. Pasture feed, range 2% very poor, 12% poor, 38% fair, 45% good, and 3% excellent.

**MONTANA:** Days suitable for fieldwork 4.3. Topsoil 4% very short, 42% short, 45% adequate, 9% surplus. Potato, sugar beet, corn for Silage harvest virtually wrapped up. Many areas of the State received some much-needed moisture. Subsoil moisture 8% very short, 47% short, 45% adequate. Corn for Silage 97% harvested, 100% 1995, 100% avg. Sugar beets 97% harvested, 95% 1995, 98% avg. Potatoes 94% harvested, 87% 1995, 93% avg. Cattle, calves moved from summer ranges 76%. Sheep, lambs moved from summer ranges 77%.

**NEBRASKA:** Days suitable for fieldwork 6.6. Topsoil 2% very short, 21% short, 75% adequate, 2% surplus. Subsoil 12% short, 86% adequate, 2% surplus. Soybean harvest was virtually complete, while corn harvest neared the half way mark by week's end. Sorghum harvest continued to be delayed due to high grain moisture levels, wet field conditions. Snow on 22nd kept southeastern producers out the field until later in the week. Winds in excess of 50 miles per hour were recorded on Saturday causing some lodging of corn, sorghum. Sugar beet, millet harvest were winding down in the Panhandle. Corn 45%

harvested, 54% 1995, and 57% avg.; harvest activities were least advanced in north-central and northeastern counties where moisture levels remained at 19 to 25%. Soybeans 98% harvested, 93% 1995, 94% avg. Sorghum 95% mature, 100% 1995, 100% avg.; 28% harvested, 88% 1995, 66% avg.; a hard freeze would be beneficial to speed crop dry down. Wheat 3% poor, 27% fair, 60% good, 10% excellent; 97% emerged, 98% 1995, 98% avg. Pasture, range 3% poor, 17% fair, 70% good, 10% excellent; cattle continued to do well on pastures, with more stalks opening up for gleaning. Activities; harvesting sunflowers, after-harvest tillage, working cattle.

**NEVADA:** Winter wheat and barley seeding complete except for in the extreme south. Harvest of corn for grain nearly complete. Hard frost hit fields missed the previous week, shutting down the hay season for all but the warmest areas. Armyworms attacked some newly planted alfalfa fields in the extreme south. Sudan grass still actively growing in the extreme south; grazing and haying continued. Potato harvest nearly complete. Onion harvest nearing completion; crop condition good to excellent. Pomegranates pistachio nut harvests was underway in the extreme south. Livestock mostly on fall pastures. Pregnancy testing cows, weaning calves. Drought continued in the south and southeast. Main farm, ranch activities: finishing potato, onion harvests; working livestock.

**NEW ENGLAND:** Days suitable for fieldwork 5.3. Topsoil 12% very short, 10% short, 54% adequate, 24% surplus. Subsoil 8% very short, 8% short, 67% adequate, 17% surplus. Pasture feed 19% very poor, 6% poor, 30% fair, 44% good, 1% excellent. Maine potatoes 100% harvested, 99% 1995, 100% avg.; condition good. Massachusetts potatoes 100% harvested, 99% 1995, 99% avg.; condition good. Rhode island potatoes 90% harvested, 100% 1995, 100% avg.; condition excellent/good. Silage corn 90% harvested, 99% harvested 1995, 95% avg.; condition good/fair. Second hay 95% harvested, 100% 1995, 100% avg.; condition good/excellent. Third cut hay 85% harvested, 95% 1995, 90% avg.; condition good/excellent. Apples 99% harvested, 99% 1995, 99% avg.; size average, condition good. Pears 99% harvested, 100% harvested 1995; size average, condition good. Cranberries 95% harvested, 95% 1995; size average/above average, condition good/excellent. Major farm activities: Excessive rainfall early in the week brought fieldwork to a halt at most locations. Skies cleared by weekend, growers were active harvesting the last of the corn silage, apple, cranberry crops where field entry was possible. Preparing fields for winter by harrowing, spreading manure on well-drained soils.

**NEW JERSEY:** Days suitable for fieldwork 5. Sweetpotato, peppers, cabbage, field corn, and soybeans are still being harvested. Pasture feed and range are good.

**NEW MEXICO:** Days suitable for fieldwork 5.1. Soil 8% very short, 25% short, 56% adequate, 11% surplus. Winter wheat 1% very poor, 2% poor, 22% fair, 72% good, 3% excellent, with 15% of the crop being grazed. Corn 10% fair, 80% good, 10% excellent; harvest completion for grain is 71%. Cotton 1% very poor, 1% poor, 15% fair, 52% good, 31% excellent; cotton harvested 33%, 30% 1995, 24% avg. Sorghum 1% very poor, 20% poor, 43% fair, 35% good, 1% excellent; coloring 90%, 96% 1995, 99% avg.; mature 65%, 45% 1995, 79% avg.; harvested 7%. Alfalfa was finished for the season, with southern areas completing their final clip. Chile 1% poor, 12% fair, 63% good, 24% excellent; red chile harvest is 35% complete. Lettuce 5% poor, 5% fair, 61% good, 29% excellent; harvest 50% complete. Onion 2% poor, 1% fair, 59% good, 38% excellent. Planting is 78% complete. Pecan 1% poor, 16% fair, 72% good, 11% excellent. Cattle 1% very poor, 4% poor, 25% fair, 60% good, 10% excellent; sheep 3% very poor, 10% poor, 30% fair, 51% good, 6% excellent. Range, pasture feed 4% very poor, 13% poor, 34% fair, 42% good, 7% excellent.

**NEW YORK:** Days suitable for fieldwork 4.0. Soil moisture 100% surplus. Pasture feed 25% fair, 75% good. Heavy rains caused

localized flooding, slowed harvest progress. Corn 25% fair, 75% good. Silage harvest near finished. Grain 28% harvested, 51% 1995, 30% avg. Potato digging continued. Dry bean, soybean harvest near completion. Vegetable harvest limited to late season crops. Onion digging continued. Apple harvest winding down. Grape harvest in Lake Erie region over half finished. Fields wet, harvest progressing slow.

**NORTH CAROLINA:** Continuing clear warm weather allowed farmers to spend more time in the fields. Peanut, cotton, sorghum, sweetpotato harvests are all in the middle or late stages, soybean harvest is underway at 13% complete. Crop conditions are mostly good. Across the State, moisture conditions are returning to normal and fewer fields have standing water impeding fieldwork. Soil moisture 3% short, 79% adequate, 18% surplus. Days suitable for fieldwork 5.9. Wheat planted 30%, 31% 1995, 33% avg. Oats planted 41%, 44% 1995, 50% avg. Barley planted 55%, 56% 1995, 57% avg. Rye planted 43%, 50% 1995, 51% avg. Crop conditions: peanuts 3% poor, 25% fair, 65% good, 7% excellent; sweetpotatoes 4% very poor, 17% poor, 43% fair, 33% good, 3% excellent. Sorghum 3% poor, 41% fair, 54% good, 2% excellent. Activities for the week: Seeding small grains; defoliating, harvesting cotton; marketing flue-cured tobacco; harvesting corn, soybeans, peanuts, sorghum, sweetpotatoes; cutting, baling hay; maintaining pastures; tending livestock; repairing equipment, general farm maintenance.

**NORTH DAKOTA:** Days suitable for fieldwork 3. Rain, snowstorms delayed all fieldwork late in the week, though many producers were kept from the fields virtually all week by wet conditions. Corn and sunflower harvests continued, while dry edible bean and potato harvests were completed ahead of 1995 and the average. Topsoil 1% very short, 10% short, 85% adequate, 4% surplus. Subsoil 4% very short, 24% short, 67% adequate, 5% surplus. Late season crop development: corn for grain 62% harvested; 68% 1995; 62% avg.; dry edible beans 100% harvested; 96% 1995; 97% avg.; flaxseed 97% harvested; 99% 1995; 98% avg.; potatoes 100% dug; 96% 1995; 99% avg.; soybeans 99% harvested; 81% 1995; 92% avg.; sugar beets 99% lifted; 93% 1995; 96% avg.; sunflowers 80% harvested; 76% 1995, 63% avg.

**OHIO:** Days suitable for fieldwork 3.7. Topsoil 4% short, 79% adequate, 17% surplus. Field activities limited by rain, wet fields. Some winter wheat was seeded in wetter than ideal conditions. Apple harvest is 95% complete. Potatoes dug progressed to 93% complete. Pasture growth is slow due to cool weather, mostly fair to good condition. Livestock 4% poor, 23% fair, 62% good, 11% excellent. Winter wheat seedings had been delayed by the late soybean harvest, progress this week was held up mostly by wet fields. Progress remains about 1 week behind normal.

**OKLAHOMA:** Days suitable for fieldwork 4.8. Topsoil 18% short, 78% adequate, 4% surplus. Subsoil 5% short, 94% adequate, 1% surplus. Oats 68% planted, 59% 1995, 63% avg.; 24% up-to-stand, 32% 1995, 42% avg. Soybeans 89% mature, 68% 1995, 79% avg.; 55% harvested, 46% 1995, 44% avg. Peanuts 90% mature, 85% 1995, 89% avg.; 44% combined, 41% 1995, NA avg. Alfalfa 2% very poor, 2% poor, 22% fair, 64% good, 10% excellent; 55% 4th cutting, 58% 1995, 67% avg.; 16% 5th cutting, 5% 1995, 7% avg. Livestock 1% poor, 16% fair, 72% good, 11% excellent. Feeder steers, heifers were steady to \$1/cwt lower.

**OREGON:** Days suitable for fieldwork 4.8. Topsoil 8% very short, 38% short, 51% adequate, and 3% surplus. Subsoil 19% very short, 21% short, 58% adequate, and 2% surplus. Activities: Sugar beet harvest continued in the Klamath Basin and Malheur County. Some winter wheat was reseeding in the Mid-Columbia area, with poor emergence. Fieldwork was halted by rain, and some field spraying was completed in the west. Fall nursery planting, digging, and container movement were limited, due to wet conditions. Live Christmas tree balling was underway. Christmas tree sales were strong, with number one Noble and Douglas fir trees almost impossible to find. Potato and

onion harvests were nearly completed in the east. In the Willamette Valley, broccoli, cauliflower, and pumpkin harvest continued, with some onions still in the field, and sweet corn and fresh market vegetable harvests were mostly completed; and hazelnuts were nearly all down, with harvest nearly completed, and walnut harvest started; and vineyard harvest crush progressed. Pear and apple harvests continued in the Hood, Willamette, and Rogue River Valleys. Cranberry harvest continued in the southern coast. Cattle and sheep condition continued good to excellent. Pregnancy checking, vaccinating, and weaning were underway, with market cattle being shipped. Fall calving was underway. The east still had plenty dry feed, with most green grass killed by heavy frosts. Western pastures were greening and very soggy.

**PENNSYLVANIA:** Days suitable for fieldwork 3.1. Soil moisture 54% adequate, 46% surplus. Fair week for fieldwork. Wet conditions from the previous week slowed fieldwork. Much of the corn grain harvest was high moisture. Very little hay made. Some corn, soybeans on the ground from high winds, rains of one week earlier. Ensilage corn harvest 93% complete, 97% 1995, 92% avg. Soybean harvest 27% complete, 50% 1995, 41% avg.; 2% poor, 15% fair, 59% good, 24% excellent. Potato harvest 86% complete, 84% 1995, 91% avg. Fall plowing 75% complete, 69% 1995, 80% avg. Wheat planted 74% complete, 76% 1995, 87% avg.; emerged 44% complete. Barley planted 93% complete, 86% 1995, 94% avg.; emerged 65% complete. Alfalfa 4th cutting 75% complete, 65% 1995, 74% avg. Quality of hay made 10% very poor, 18% poor, 39% fair, 28% good, 5% excellent. Grape harvest 90% complete, 87% 1995, 92% avg. Apple harvest 81% complete, 91% 1995, 89% avg. Activities: Making hay and haylage; harvesting corn, corn silage, soybeans and potatoes; seeding barley and wheat; fixing fences; hauling manure; caring for livestock; and cleaning and storing equipment.

**SOUTH CAROLINA:** Corn 99% harvested, 100% 1995, 99% avg.; 5% very poor, 15% poor, 30% fair, 43% good, 7% excellent. Sorghum 89% harvested, 74% 1995, 70% avg.; 1% poor, 37% fair, 54% good, 8% excellent. Sweetpotatoes 52% harvested, 51% 1995, 63% avg.; 10% poor, 39% fair, 50% good, 1% excellent. Tobacco 96% stalks destroyed, 99% 1995, 96% avg. Apples 96% harvested, 89% 1995, 93% avg.; 35% very poor, 30% poor, 25% fair, 10% good. Small grains, winter grazing planting ahead of normal; fair to good condition. Pastures, livestock, fair to mostly good condition.

**SOUTH DAKOTA:** Days suitable for fieldwork 5.3. Topsoil 2% short, 88% adequate, 10% surplus. Subsoil 5% short, 85% adequate, 10% surplus. Soybean harvest winding down after making good progress this week. Corn harvesting picking up speed, hampered some by rain and high moisture content in some areas. Corn 2% poor, 10% fair, 58% good, 30% excellent. Sorghum silage harvested 95%, 99% 1995, 96% avg.; grain 78% harvested, 70% 1995, 65% avg.; 1% poor, 25% fair, 57% good, 17% excellent. Sunflowers 85% harvested, 69% 1995, 72% avg.; 4% very poor, 1% poor, 18% fair, 53% good, 24% excellent. Winter wheat 84% emerged, 91% 1995, 96% avg.; 4% very poor, 1% poor, 26% fair, 45% good, 24% excellent. Winter rye 10% fair, 59% good, 31% excellent; 92% emerged, 98% 1995, 99% avg. Livestock 1% poor, 9% fair, 67% good, 23% excellent. Stock water supplies 2% short, 83% adequate, 15% surplus.

**TENNESSEE:** Harvest activities delayed due to continuous rainfall last week. Corn and cotton harvests, however, remained ahead of schedule, as sorghum harvest has picked up speed. Frosts in many areas have ended the growing season for soybeans and helped plants shed leaves. Days suitable for fieldwork 4.0. Topsoil 10% short, 74% adequate, and 16% surplus. Subsoil 12% short, 77% adequate, and 11% surplus. Corn 96% grain harvested, 99% 1995, and 89% avg. Tobacco 34% burley stripped, 41% 1995, and 37% avg. Sorghum 87% harvested, 98% 1995, and 93% avg. Wheat 52% seeded, 56% 1995, and 49% avg. Pasture feed 3% poor, 22% fair, 61% good, and 14% excellent.

**TEXAS:** Fall temperatures arrived with a passing cold front that brought cool nights and cloudy conditions. The first snow was recorded in the High Plains where most areas experienced first frost of season. The front also brought heavy fog and scattered showers to many parts of the State. Harvest activity was slowed in the Plains by wet conditions. Showers helped fall forages and native pastures, and additional moisture is needed for small grains. Livestock conditions fair to good in most areas. Supplemental feeding activity picked up with cooler temperatures.

**Crops:** Small grains are being replanting, spraying continued due to armyworm, and damage began to decline because of cooler temperatures. Wheat and oat fields are emerging to a good stand and growing well. Scattered moisture helped grains that were already emerged, and more moisture is needed. Corn harvest nearly completed in High Plains, with above-average yields reported. Grain sorghum harvest remained steady in the High Plains. Some late-planted dryland sorghum was damaged by frost; it is too early to assess extent of damage. Cotton harvest continued in full swing in the north as harvest neared completion in south-central and upper coast. On the Plains, frost began defoliating of leaves, reducing the need for spraying defoliants. Some damage was reported to immature bolls as a result of freeze. Colder temperatures also killed bollworm larvae in small bolls. Peanuts digging and harvest continued. Some quality loss resulted from peanuts being dug and not thrashed when freeze hit. Soybeans harvest continued, with good yields reported. Sugar beet harvest moved rapidly early in the week, with good yields being reported.

**Commercial Vegetables:** In Rio Grande Valley, land was prepared for spring crops. Harvest of squash and turnip continued. Fall watermelon started to be harvested. In the San Antonio- Winter Garden, onion, cabbage, spinach, and carrots continued to be planted. Frost damaged green beans, cucumbers that were close to harvest. In the east, fall vegetable harvest continued, with good quality reported. Sweetpotato harvest continued. Cool season vegetables have been planted. In the High Plains, the sweetpotato harvest began. Trans-Pecos and honeydew melon harvest is winding down. Onions are being planted. Chile harvest continued, with lower yields expected due to low temperatures. Pecan harvest continued in the east. Some early-developed pecans beginning to drop from trees, while others are nearing shuck split.

**Range and Livestock:** Cattle in fair to good condition. Forage growth of warm season grasses declined due to cool weather. Small grain pastures doing well from past rains, more moisture needed. Supplemental feeding increased as cooler temperatures arrived. Some hay was cut in the central area. Sheep and goat breeding continued. Lamb marketing and shearing are in progress.

**UTAH:** Days suitable for fieldwork 5.0. Corn harvested for grain 74%, 22% 1995, 48% avg. Alfalfa hay 4th cutting 97%, 99% 1995, 94% avg. Alfalfa seed harvested 100%, 92% 1995, 98% avg. Apples picked 91%, 96% 1995, 89% avg. Range, pasture feed 7% very poor, 33% poor, 50% fair, 10% good. Cattle moved from summer range 93%, 90% 1995, 92% avg. Sheep moved from summer range 91%, 90% 1995, 94% avg. Major farm, ranch activities: Harvesting corn for grain, fall tillage, weaning calves, moving livestock.

**VIRGINIA:** Days suitable for fieldwork 4.4. Topsoil 73% adequate, 27% surplus. Subsoil 77% adequate, 23% surplus. Corn 75% corn for grain harvested, 1995 84%, 81% avg.; 97% corn silage harvested, 1995 100%, 99% avg. Cotton 30% harvested, 1995 45%, 37% avg. Soybeans 15% harvested, 1995 28%, 24% avg.; 3% poor, 17% fair, 57% good, 23% excellent. Peanuts 92% dug, 1995 96%, 94% avg.; 80% combined, 1995 87%, 86% avg. Flue cured tobacco 100% harvested, 100% 1995, 100% avg. Livestock 9% fair, 79% good, 12% excellent. Pasture feed 2% poor, 16% fair, 72% good, 10% excellent. Fall apples 97% harvested, 94% 1995. Winter apples 65% harvested. Barley 75% seeded, 71% 1995, 72% avg. Oats 75% seeded, 56%

1995, 76% avg. Winter wheat 25% seeded, 1995 40%, 36% avg. Activities: Plentiful rainfall taking its toll on many fields. One locality reported corn sprouting on the ear. Hard, heavy rainfall damaged soybean plants in another location. Wet fields slowing harvest of corn for grain, milo, soybeans, cotton. Corn silage harvest about complete. Tobacco growers busy stripping, grading, marketing crop. Hay making winding down. Small grain, forage crop seeding remain about two weeks behind schedule. Some vegetables, fruits still being harvested. Livestock operators actively marketing cattle.

**WASHINGTON:** Days suitable for fieldwork 4.3. Topsoil moisture 17% short, 66% adequate, and 17% surplus; subsoil 20% short and 80% adequate. Winter wheat, dryland 5% poor, 39% fair, 47% good, 9% excellent; irrigated, 100% good. Seeding of winter wheat was nearing completion. Corn grain 17% harvested, 14% 1995, 36% avg. Corn grain 1% fair, 99% good. Potatoes 94% harvested, 88% 1995, 86% avg. Potatoes 10% fair, 86% good, 4% excellent. Dry beans 100% harvested, 94% 1995, 97% avg. Dry beans 100% good. Sugar beet digging continued in Grant County. Buckwheat harvest progressed. Hay, other roughage supplies 10% short, 89% adequate, 1% surplus. Range, pasture feed 15% poor, 40% fair, 40% good, 5% excellent. Corn silage 97% harvested, 98% 1995, 97% avg. Fuji, Granny Smith harvests continued. Apple, grape harvests were nearly complete in Benton County. Cranberry harvest nearly complete in Pacific County. Vegetable crop harvests were nearing completion, except for carrots.

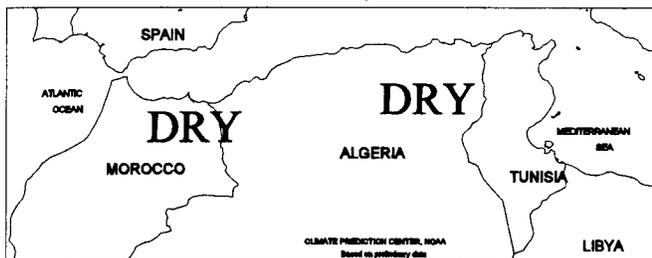
**WEST VIRGINIA:** Days suitable for fieldwork 3.5. Topsoil 74% adequate, 26% surplus. Corn, soybean harvest active as weather permitted. Winter wheat 87% planted, 51% 1995, 50% avg. Hay 3rd cutting 77%, 99% 1995, 100% avg. Overall, it was tough season curing hay as producers had to work around rain storms most of growing season. Corn 2% very poor, 1% poor, 9% fair, 80% good, 8% excellent; 40% harvested for grain, 83% 1995, 75% avg. Corn for grain harvest continued to lag behind normal, much of crop still not dry enough to harvest. Silage cutting active. Soybeans 3% very poor, 7% poor, 25% fair, 65% good; 30% harvested, 35% 1995. Cattle 1% poor, 13% fair, 76% good, 10% excellent. Some producers treated cattle for pinkeye. Sheep 8% fair, 87% good, 5% excellent. Activities: Harvesting corn for grain, soybeans; chopping silage; seeding wheat; marketing livestock; gathering firewood, repairing fences.

**WISCONSIN:** Days suitable for fieldwork 3.9. Soil moisture 5% very short, 19% short, 64% adequate, 12% surplus. Corn harvest for grain was slowed down in many areas of the State due to rainfall. A reporter from Fond du Lac County commented on corn yielding 100 to 120 bushels per acre, with moisture ranging from 23 to 35%. Corn silo filling was finished in most areas, with 98% complete and 90% avg. Farmers had time to catch up on other things, such as machinery maintenance. Fall tillage 28% complete, 40% 1995. Harvested soybean acreage increased to 80%, 82% 1995, 74% avg. Reported yields varied greatly statewide, with adjacent county yields ranging from very poor to good. Counties where reporters noted below normal yields were: Jackson, Jefferson, Kenosha, Rock, Sheboygan, and Waushara. However, reports of average to above-normal soybean yields came from Dane, Lafayette, Pierce, and Waukesha Counties. Hay, roughage supplies 15% short, 80% adequate, 5% surplus statewide. One reporter from Dunn County noted that there will be numerous shortages of hay by early spring. Pasture feed 11% very poor, 21% poor, 39% fair, 28% good, 1% excellent.

**WYOMING:** Days suitable for fieldwork 3.9. Topsoil 5% very short, 30% short, 65% adequate or surplus. Corn for grain 66% harvested, 42% 1995, 57% avg. Sugar beets 97% harvested, 91% 1995, 85% avg. Range, pasture feed 2% very poor, 19% poor, 42% fair, 37% good.

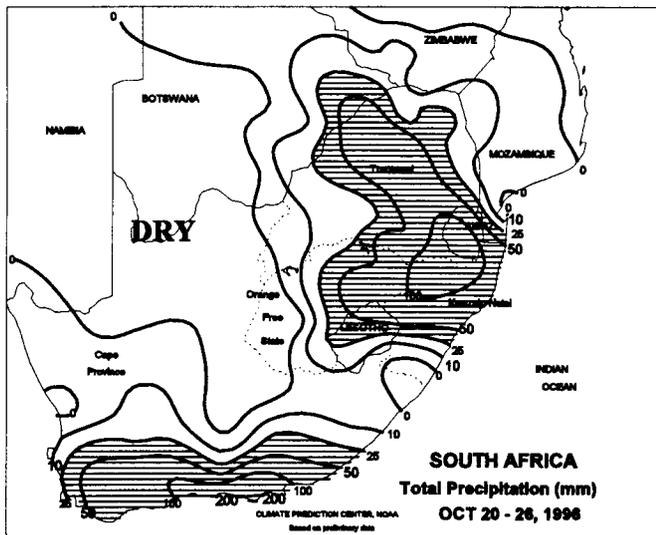


**NORTHWEST AFRICA Total Precipitation (mm)**  
OCT 20 - 26, 1996



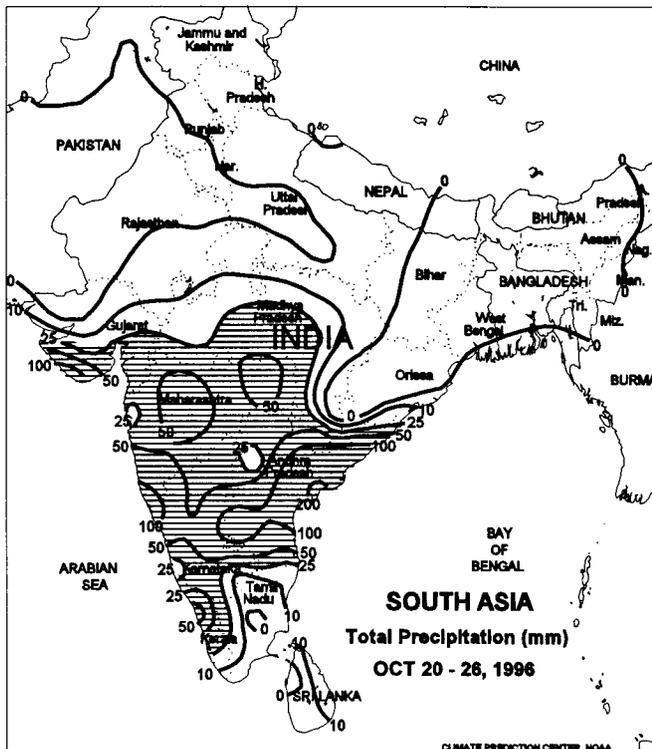
**NORTHWESTERN AFRICA**

Mostly dry weather prevailed over winter grain areas in Morocco, Algeria, and Tunisia. Preparation for winter grain planting was likely underway over most of the region. The bulk of winter grains are typically planted from mid-November to mid-December in Morocco, Algeria, and Tunisia, when autumn rains become more consistent.



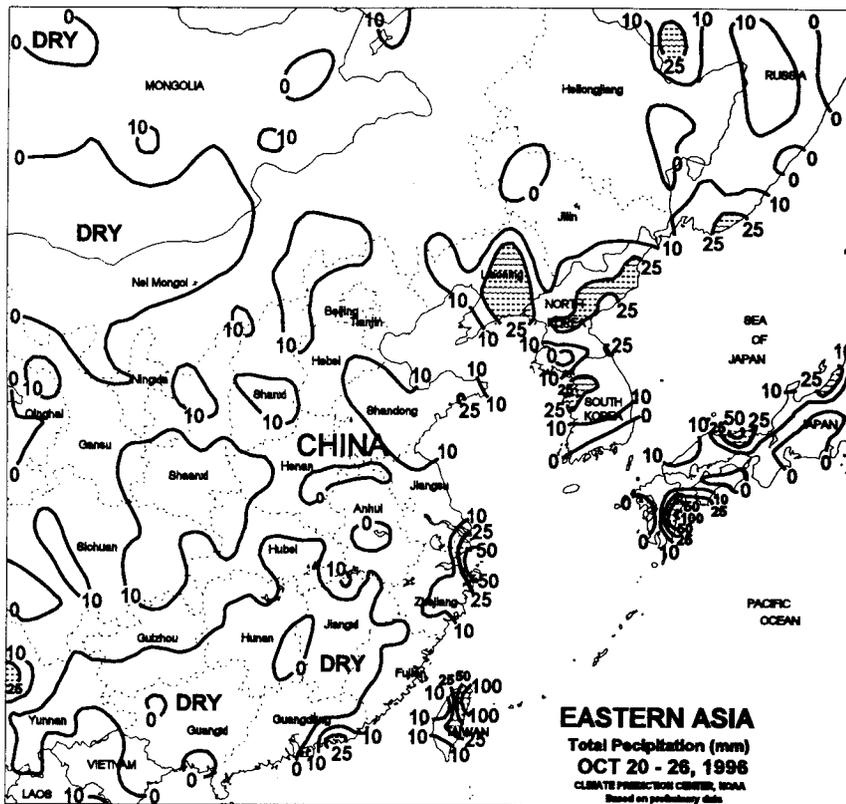
**SOUTH AFRICA**

Heavy rain (47-106 mm) soaked sections of the eastern corn belt, increasing moisture reserves for crop germination and establishment. In the western corn belt (North West and western Orange Free State), mostly dry weather persisted, limiting planting opportunities. Highs in the west were generally in the upper 20's and low 30's C, further drying topsoils. Elsewhere, moderate to heavy rain (25-50 mm or more, exceeding 100 mm locally) covered the southern and eastern winter wheat regions of Western Cape Province, raising concern for unharvested crops. Scattered showers (20-91 mm) fell over coastal sugarcane areas.



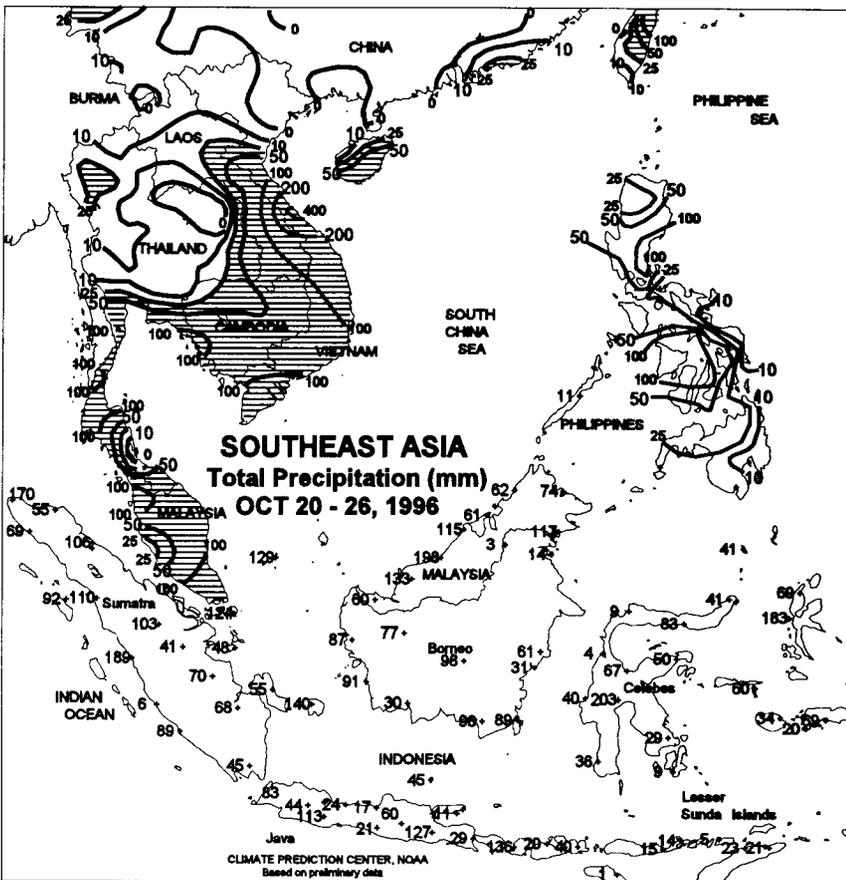
**SOUTH ASIA**

Widespread, locally heavy showers (22-50 mm, exceeding 100-200 mm in many locations) covered much of south-central India, maintaining adequate to excessive moisture levels for immature grains, oilseeds, and cotton. Heavy rain (60-263 mm) pounded coastal rice areas (Andhra Pradesh) for the second week, causing additional flooding. Unlike last week, however, showers covered sections of west-central India (Gujarat and western Madhya Pradesh), due mainly to a cyclone in the Arabian Sea. The late-season moisture (10-27 mm) in primary groundnut areas came too late to significantly improve yield prospects. Continued seasonable dryness across the north and east favored winter grain and oilseed planting.



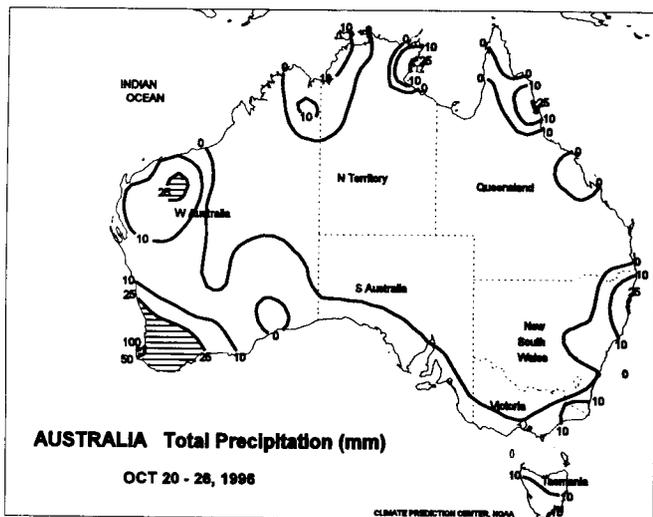
**EASTERN ASIA**

Light rain (5-25 mm) covered most of the North China Plain and western winter grain areas (Shaanxi and Sichuan), benefiting emerging winter wheat. Across the Yangtze Valley, dry weather favored late double-crop rice harvesting. Drier weather also aided rice harvesting across Japan, where previous wetness slowed fieldwork. Across most of China, Japan, and the Korean Peninsula, temperatures averaged 1 to 2 degrees C above normal, aiding emerging winter crops and summer crop drydown.



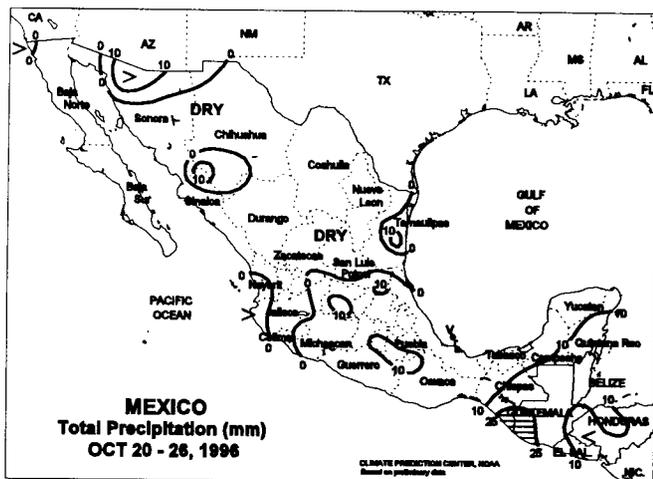
**SOUTHEAST ASIA**

Widespread showers (20-100 mm) boosted irrigation supplies for main-season rice across Java. Seasonably drier weather (less than 10 mm) aided rice harvesting in eastern Thailand. Tropical Storm Beth produced heavy showers (100-250 mm, with isolated amounts greater than 400 mm) and flooding in central Vietnam. However, this region is not a major rice growing area. Across the Philippines, widespread showers (25-125 mm) slowed main-season grain harvesting but maintained irrigation supplies for second-season crops. Showers (25-60 mm) favored oil palm across peninsular Malaysia.



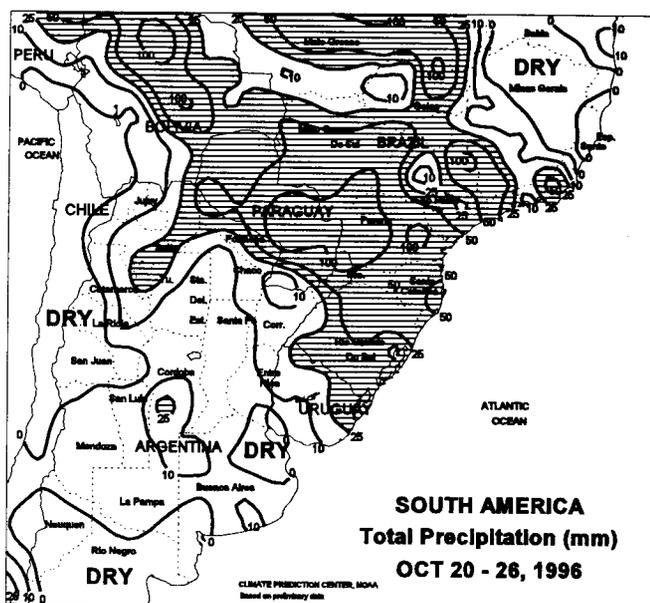
**AUSTRALIA**

Light to moderate rain (10-44 mm) covered most winter grain areas of Western Australia, boosting moisture reserves for immature crops following a brief dry spell. Farther east, only scattered, light rain (5 mm or less in most areas) covered winter grain areas of the southeast (South Australia, Victoria, and southern New South Wales). Moisture would be welcomed in this region for immature crops and pastures due to a drying trend. Dry weather elsewhere in eastern Australia aided mature winter grains and summer crop planting. Temperatures averaged below normal in the east, but highs generally ranged from the mid 20's to lower 30's C, favoring crop development.



**MEXICO**

Seasonably drier weather aided corn harvesting as only scattered, light rain fell across the Southern Plateau corn belt. The Yucatan Peninsula also experienced drier weather, where adequate moisture exists for filling corn. Temperatures averaged 1 to 2 degrees C below normal across the northwest and 1 to 2 degrees C above normal elsewhere throughout Mexico.



**SOUTH AMERICA**

In Argentina, early-week (October 20-21) freezing temperatures possibly damaged reproductive winter wheat in southern and central Buenos Aires province. Scattered rain (5-15 mm) moistened topsoils for winter wheat development and germinating corn and sunflowers across the major crop areas. Rain continued across northern Argentina, albeit in lighter amounts (10-25 mm), increasing soil moisture but slowing early cotton planting. In southern Brazil, widespread showers (25-75 mm) increased soil moisture, but slowed fieldwork. The moisture was especially favorable for summer crops in Mato Grosso do Sul and Goias. However, heavy showers (75-150 mm) in southern Paraguay and western Parana slowed planting and caused some local flooding. Temperatures averaged 1 to 3 degrees C below normal across Argentina, Paraguay, and extreme southern Brazil and 1 to 2 degrees C above normal across the rest of southern Brazil.

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.

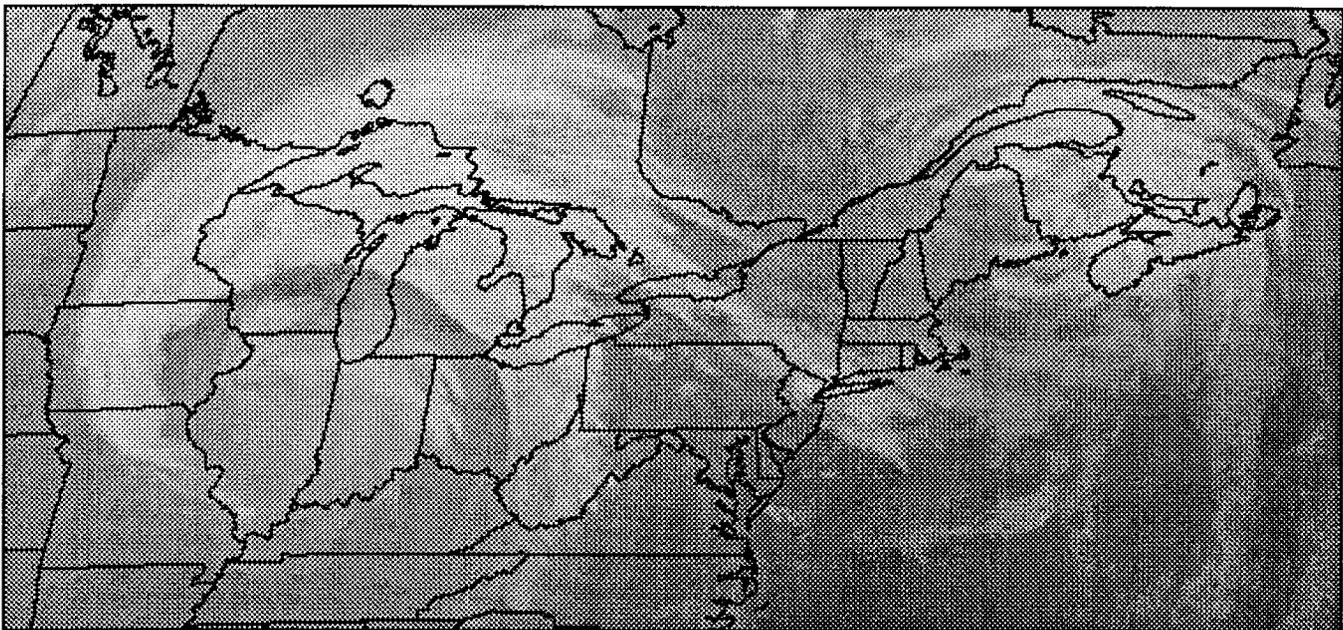
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**GOES-8 IR, October 23, 1996, 11:15 UTC**

A day after dumping October-record snowfall on locations such as Kansas City, Missouri, and Topeka, Kansas, a low-pressure system drops only cold rain across the Midwest. Meanwhile, New England's record-setting rainstorm weakens and slowly exits the region.

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