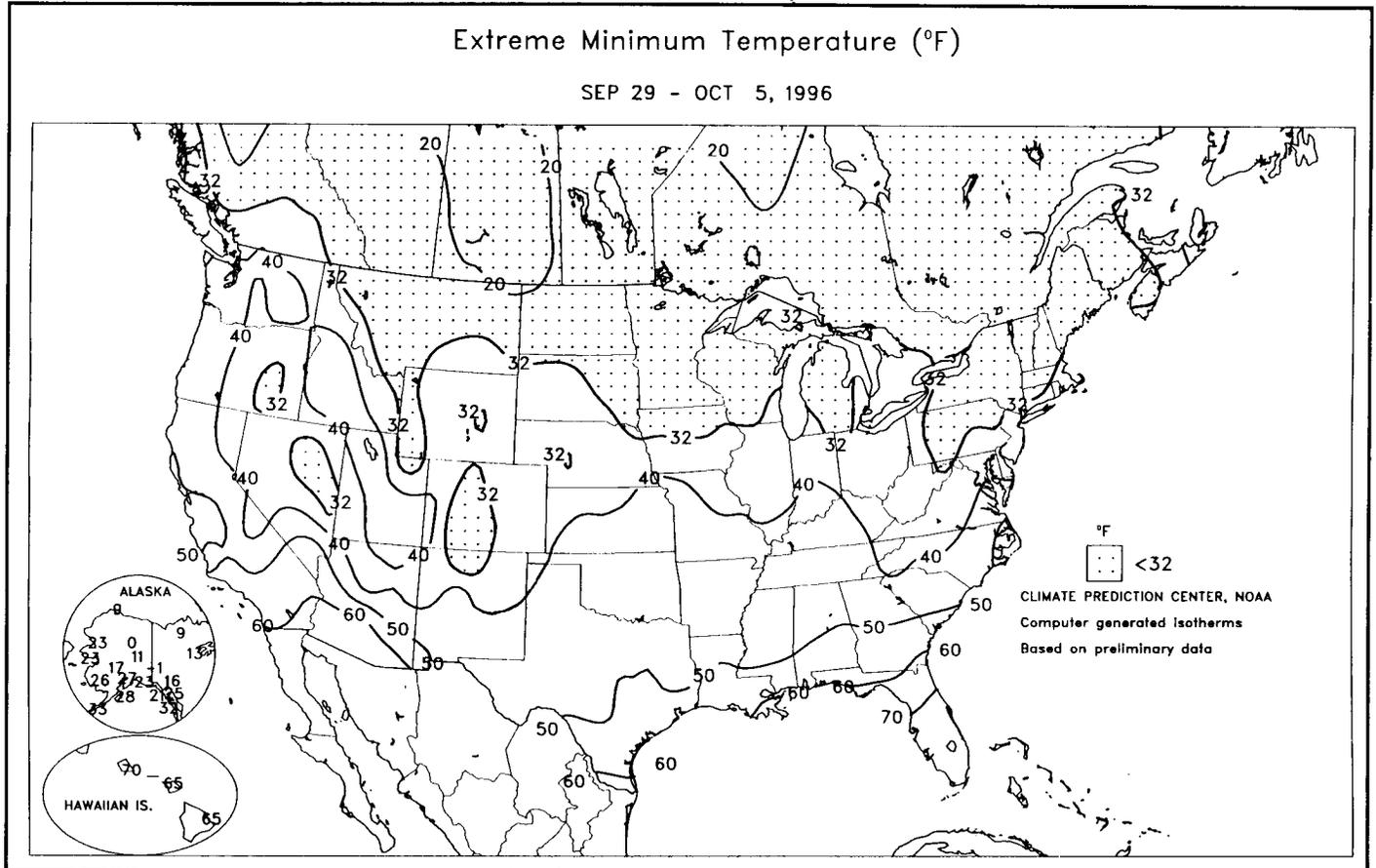


WEEKLY WEATHER AND CROP BULLETIN

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

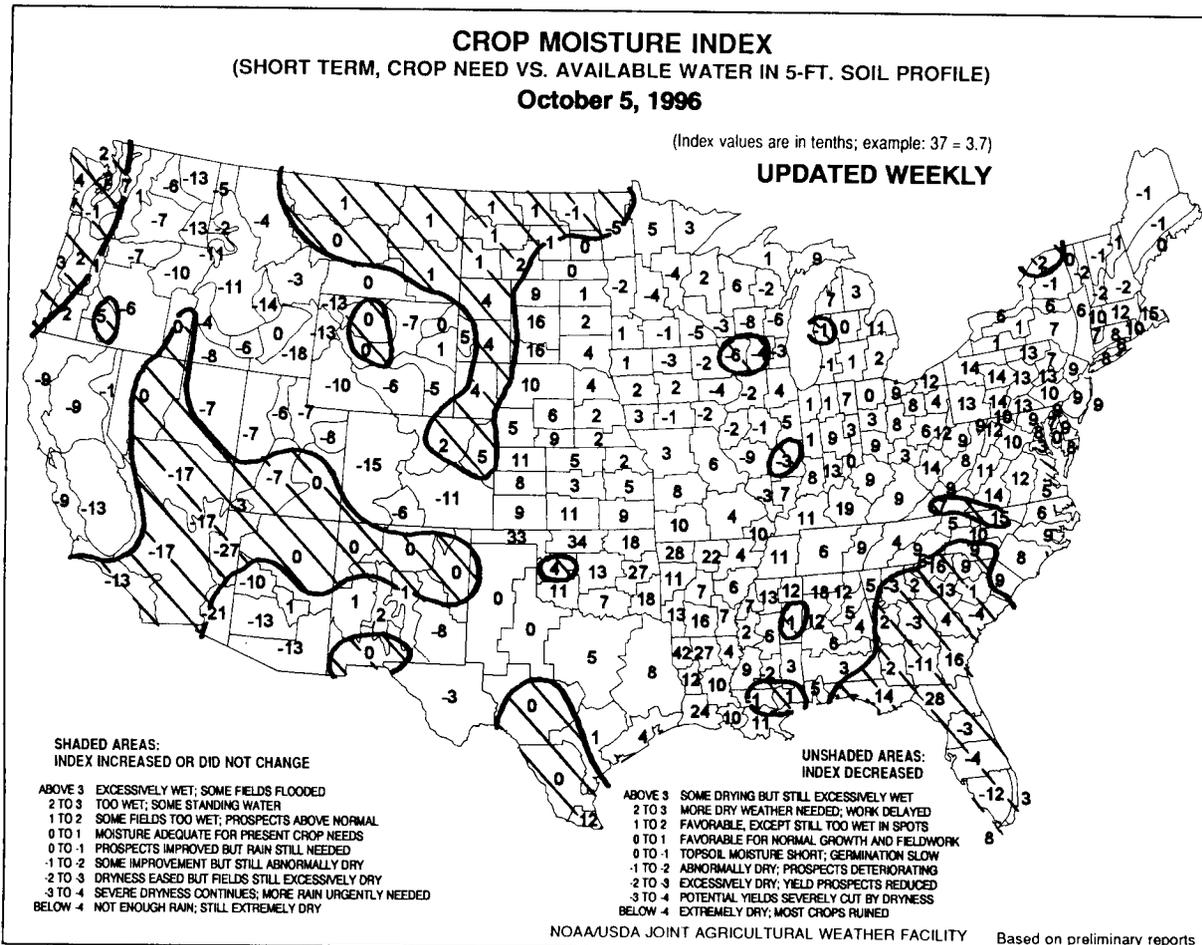
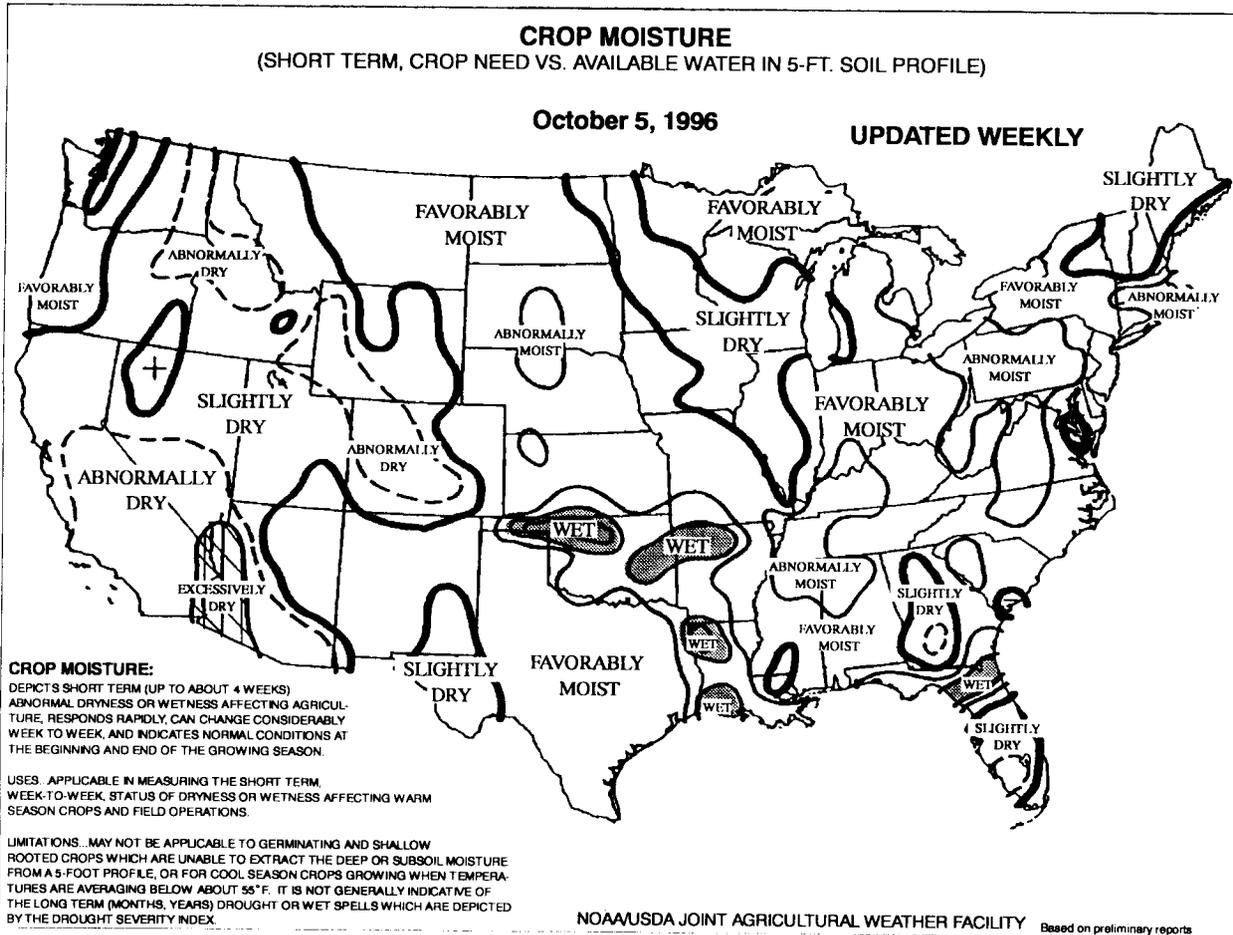
September 29 - October 5, 1996

Sub-freezing temperatures ended the growing season from the **northern Corn Belt** to **New England**, as a strong high-pressure system traversed the region on October 3-5. Some late-planted corn and soybeans from **Wisconsin** to **Michigan** sustained damage, but late-developing fields from **Illinois** to **Ohio** were spared the freeze. Prior to the cold snap, several warm, dry days hastened late-planted **Midwestern** crops toward maturity. Farther west, very warm, dry weather prevailed, with temperature departures reaching +10°F in **Idaho**. An upper-level disturbance crossing the **Four Corners States** sparked thunderstorms after midweek. Elsewhere, clouds and showers lingered across the **Southeast** for much of the week. Persistent easterly winds and heavy rain buffeted the **southern Atlantic Coast**. At week's end, a tropical depression (later Tropical Storm Josephine) formed in the

(Continued on page 3)

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(Continued from front cover)
 western Gulf of Mexico, enhancing winds and rainfall north of its center. Extremely heavy rain struck southern Texas, while coastal flooding developed along the central and western Gulf Coast.

Early in the week, warm weather continued in the West and briefly overspread much of the remainder of the Nation. On Sunday, Yakima, WA (86°F) and Klamath Falls, OR (87°F) notched daily-record highs. A day later, September ended with a daily record in LaCrosse, WI (87°F). However, a strong cold front edged into the northern Plains on Tuesday and punched southward into Texas at midweek. The growing season ended on Wednesday in North Dakota; a day later, a freeze blanketed eastern South Dakota, northern Iowa, Minnesota, and Wisconsin. On October 4, the chill closed out the growing season in Michigan and from central Pennsylvania to New England.

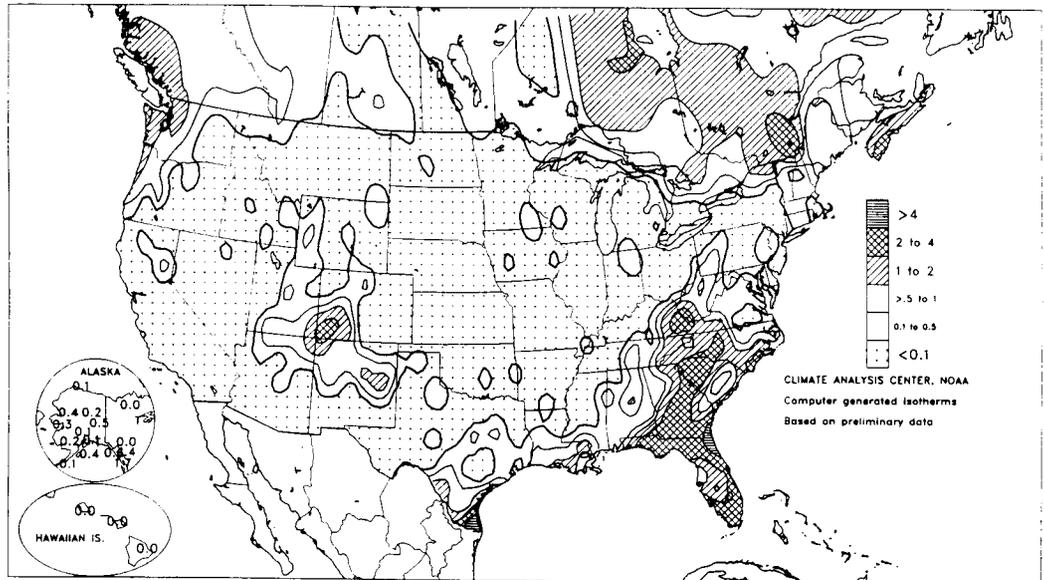
Daily-record lows were set at more than a dozen locations. On Thursday, lows in Minnesota dipped to 20°F in St. Cloud and 26°F in Minneapolis. Allentown, PA tallied their first of three consecutive daily-record lows (29, 31, and 31°F) on October 4. In Michigan, daily records on Friday included 27°F in Flint, 28°F in Jackson, and 30°F in Muskegon. The high-pressure system responsible for the chill settled over New York on Saturday morning, producing the third-highest October barometric reading on record in Albany (30.74 inches) and second-highest in Binghamton (30.67 inches). Saranac Lake, NY recorded lows of 18°F on Friday and Saturday. In Idaho, meanwhile, Boise's high on Friday reached a daily-record-tying 88°F.

More than 5 inches of rain fell during the week in Daytona Beach, FL, including a daily-record total of 3.51 inches on Thursday. Weekly totals topped 2 inches as far north as Greensboro, NC, although drier air invaded the region (except Florida) after midweek. On Friday, a persistent rain band (associated with the developing tropical system) parked over extreme southern Texas. A 9.09-inch deluge in Brownsville represented their wettest October day on record and fifth wettest day all-time. At week's end, showers returned to the Gulf Coast, accompanied by gale-force winds and coastal flooding. Generally dry weather prevailed elsewhere; only the Four Corners region and the Pacific Northwest experienced local totals in excess of 1 inch.

Cold air eroded from western and northern Alaska, but lingered elsewhere across the State. Weekly temperatures averaged as much as 5°F below normal in the southeast, where Yakutat (21°F) logged a daily-record low on Monday. Before milder air arrived, midweek lows dipped to -11°F in Umiat and -6°F in Prudhoe Bay, both records for so early in the season. In contrast, Hawaiian highs soared to daily-record levels on several occasions, including midweek readings of 92°F in Kahului and 90°F in Hilo.

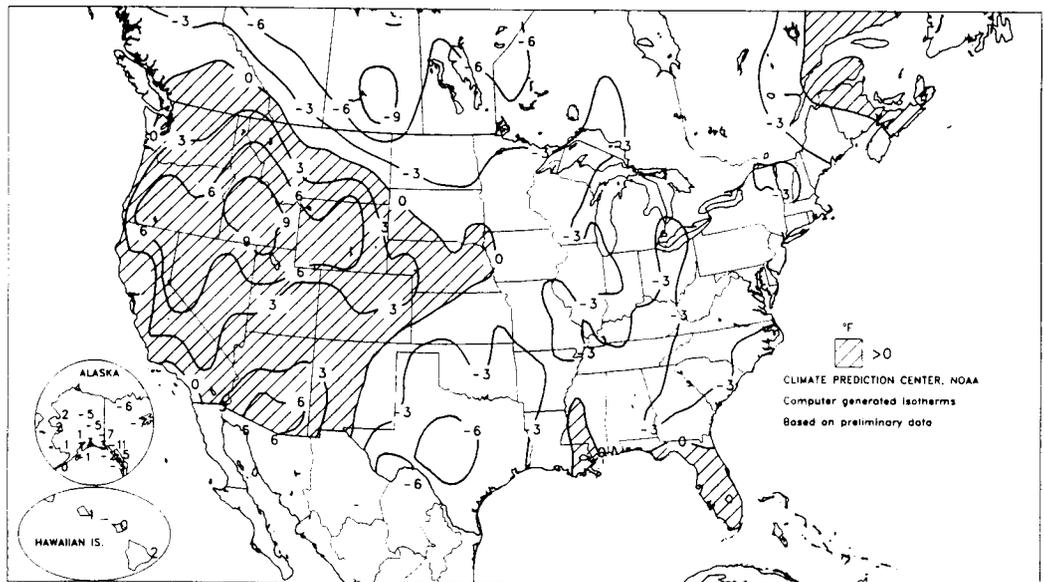
Total Precipitation (Inches)

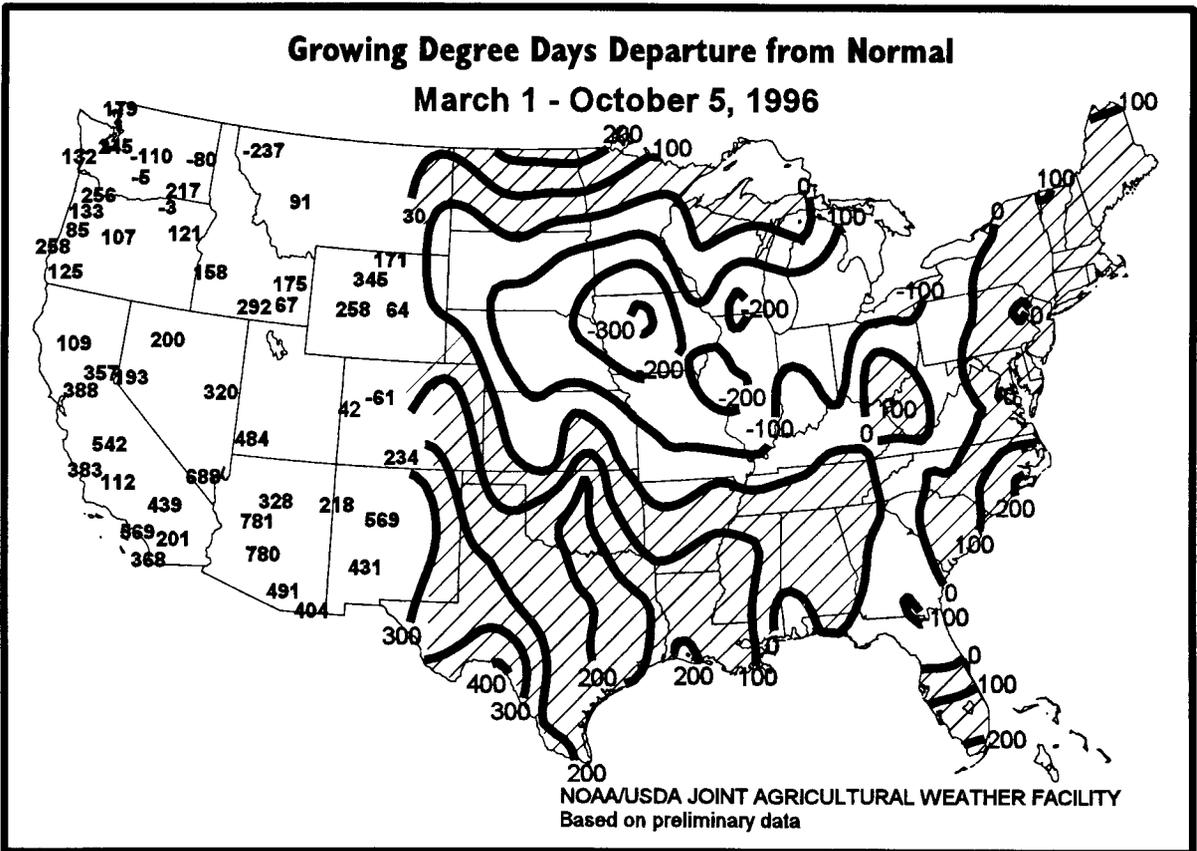
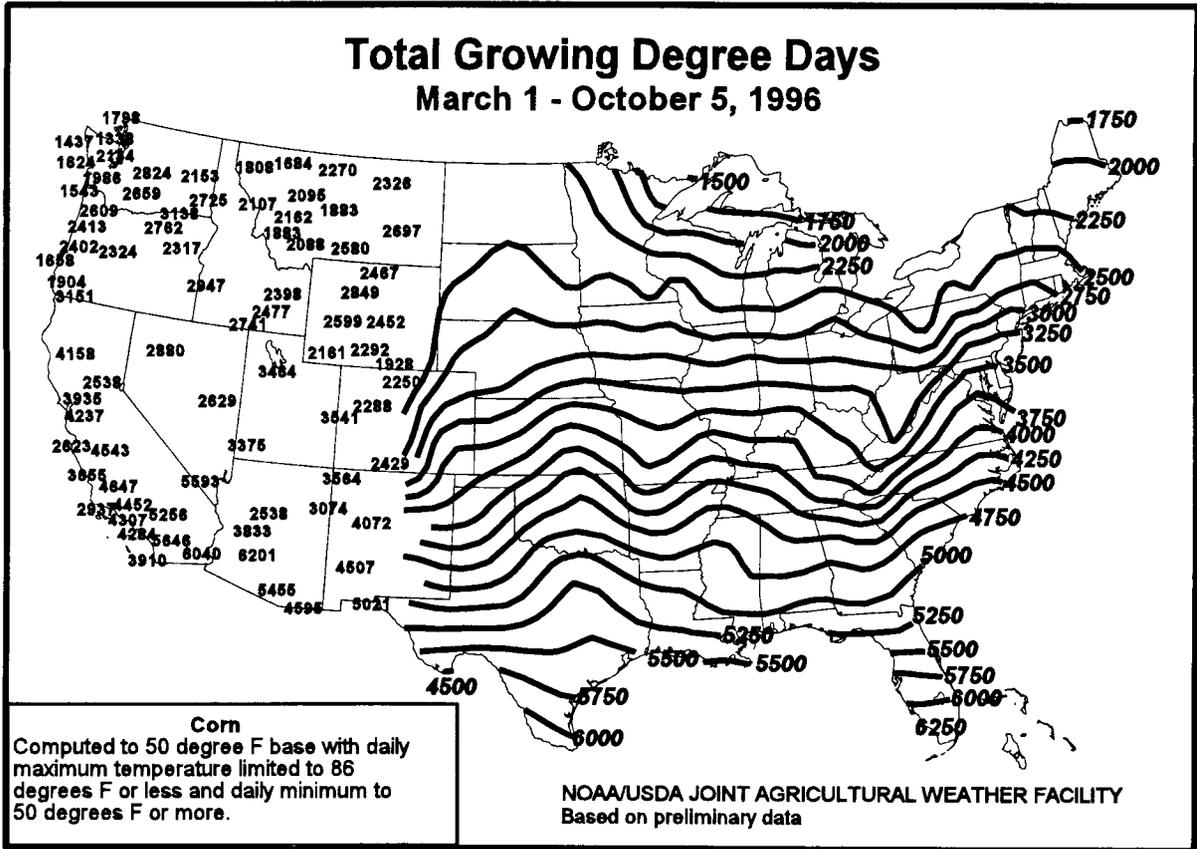
SEP 29 - OCT 5, 1996



Departure of Average Temperature from Normal (°F)

SEP 29 - OCT 5, 1996





National Weather Data for Selected Cities

Weather Data for the Week Ending October 5, 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	73	57	82	44	65	-2	0.34	-0.34	0.34	6.17	142	52.18	121	96	69	0	0	1	0
MOBILE	79	66	84	57	72	0	0.06	-0.78	0.03	5.06	79	52.03	100	93	62	0	0	3	0
MONTGOMERY	74	62	84	53	68	-1	0.07	-0.58	0.04	6.73	211	55.85	127	93	64	0	0	2	0
AK ANCHORAGE	46	31	50	27	38	-3	0.14	-0.41	0.09	1.98	65	10.27	85	92	47	0	5	2	0
BARROW	31	20	34	9	25	4	0.05	-0.06	0.03	0.88	133	3.22	89	94	78	0	7	2	0
FAIRBANKS	38	23	41	11	30	-5	0.48	0.30	0.42	1.08	101	9.01	105	93	80	0	7	3	0
JUNEAU	47	36	50	25	41	-5	-	-	-	-	-	-	-	98	65	0	3	-	-
KODIAK	49	37	52	28	43	-1	0.42	-1.27	0.22	9.36	114	38.32	78	90	52	0	2	5	0
NOME	42	30	50	23	36	2	0.31	-0.09	0.24	0.95	36	12.78	106	94	70	0	5	3	0
AZ PHOENIX	99	72	100	68	85	6	0.00	-0.17	0.00	0.54	55	3.67	66	37	15	7	0	0	0
PRESCOTT	80	47	83	42	64	-	0.00	-0.29	0.00	0.98	46	6.50	42	77	29	0	0	0	0
TUCSON	95	66	96	63	81	5	0.00	-0.30	0.00	3.70	200	8.57	90	47	16	7	0	0	0
YUMA	100	72	104	69	86	5	0.00	-0.06	0.00	0.00	0	0.93	41	39	16	7	0	0	0
AR FORT SMITH	78	52	83	45	65	-2	0.00	-0.79	0.00	6.53	171	42.17	136	96	62	0	0	0	0
LITTLE ROCK	-	-	-	-	-	-	0.17	-0.74	-	5.69	122	35.37	97	-	-	-	-	-	-
CA BAKERSFIELD	87	59	95	55	73	1	0.00	-0.04	0.00	0.00	0	4.20	102	64	28	2	0	0	0
EUREKA	82	50	73	46	56	0	0.00	-0.33	0.00	1.21	105	30.85	136	95	68	0	0	0	0
FRESNO	88	60	94	57	74	4	0.00	-0.07	0.00	0.00	0	8.14	112	74	29	4	0	0	0
LOS ANGELES	71	62	73	60	66	-2	0.00	-0.03	0.00	0.00	0	15.85	140	93	33	3	0	0	0
REDDING	88	55	93	52	71	3	0.00	-0.30	0.00	0.82	54	29.30	138	82	26	2	0	0	0
SACRAMENTO	87	55	93	52	71	3	0.00	-0.13	0.00	0.00	0	15.85	140	93	33	3	0	0	0
SAN DIEGO	71	63	73	62	67	-3	0.00	-0.03	0.00	0.00	0	3.94	60	87	55	0	0	0	0
SAN FRANCISCO	70	54	82	52	62	-1	0.00	-0.14	0.00	0.00	0	18.46	147	91	58	0	0	0	0
CO DENVER	75	47	82	40	61	4	0.00	-0.26	0.00	0.94	67	7.39	56	73	28	0	0	0	0
GRAND JUNCTION	74	48	81	42	61	0	0.43	0.15	0.43	1.97	156	7.57	97	71	30	0	0	1	0
PUEBLO	77	42	86	37	60	0	0.00	-0.14	0.00	1.46	149	12.06	122	87	31	0	0	0	0
CT BRIDGEPORT	64	47	70	34	56	-4	0.25	-0.42	0.17	4.87	138	38.66	121	86	54	0	0	2	0
HARTFORD	64	41	72	28	52	-5	0.28	-0.53	0.20	6.77	156	39.67	120	94	49	0	2	2	0
DC WASHINGTON	67	51	78	41	59	-5	0.39	-0.30	0.39	8.18	216	38.29	128	89	53	0	0	1	0
FL PANAMA CITY	77	66	82	61	73	0	-	-	-	-	-	-	-	96	78	0	0	-	-
DAYTONA BEACH	84	72	90	70	78	1	5.37	4.22	3.48	8.63	122	51.11	130	96	69	1	0	7	4
JACKSONVILLE	81	69	89	63	75	-1	2.87	1.78	0.92	6.59	85	42.46	103	98	73	0	0	7	4
KEY WEST	86	77	89	73	82	0	5.78	4.61	3.91	9.86	148	31.06	99	87	72	0	0	6	2
MIAMI	86	75	90	73	81	1	1.36	-0.18	0.61	7.96	92	45.88	97	90	63	1	0	5	1
ORLANDO	86	73	92	71	79	1	1.94	1.12	0.72	7.70	119	51.99	124	96	68	1	0	6	2
TALLAHASSEE	78	66	83	60	73	0	0.70	-0.11	0.38	11.17	186	47.35	87	93	77	0	0	3	0
TAMPA	87	74	90	72	80	2	1.51	0.76	1.37	5.57	88	39.97	104	96	66	3	0	6	1
WEST PALM BEACH	86	76	90	73	81	1	2.84	0.78	1.56	6.41	75	32.90	69	87	63	1	0	5	2
GA ATLANTA	71	57	84	47	64	-3	0.11	-0.59	0.07	4.40	113	36.59	91	89	70	0	0	2	0
AUGUSTA	71	58	82	47	65	-4	1.56	0.90	0.61	3.62	104	31.31	86	93	71	0	0	4	1
MACON	72	59	84	50	66	-4	1.11	0.58	0.40	3.19	103	28.68	80	96	73	0	0	5	0
SAVANNAH	77	65	84	55	71	-1	0.91	0.24	0.48	2.94	61	25.78	61	96	72	0	0	4	0
HI HILO	88	68	90	65	78	2	0.00	-1.89	0.00	6.46	86	89.41	94	84	57	1	0	0	0
HONOLULU	89	73	90	70	81	0	0.00	-0.39	0.00	0.78	74	12.23	93	83	58	1	0	0	0
KAHULUI	90	68	93	65	79	0	-	-	-	-	-	-	-	82	53	3	0	-	-
LIHUE	-	73	-	-	-	-	-	-	-	-	-	-	-	92	71	-	-	-	-
ID BOISE	82	51	88	47	66	10	0.00	-0.15	0.00	0.59	66	8.24	95	65	23	0	0	0	0
LEWISTON	77	49	85	41	63	6	0.00	-0.19	0.00	1.10	115	12.56	134	82	20	0	0	0	0
POCATELLO	80	41	84	36	61	8	0.00	-0.20	0.00	1.32	135	8.86	97	70	19	0	0	0	0
IL CHICAGO	67	43	78	35	55	-3	0.00	-0.63	0.00	2.76	66	26.20	92	92	48	0	0	0	0
MOLINE	69	44	80	37	57	-2	0.00	-0.76	0.00	1.10	24	23.11	72	88	44	0	0	0	0
PEORIA	71	45	79	40	58	-1	0.00	-0.70	0.00	1.38	32	23.18	80	86	39	0	0	0	0
QUINCY	70	44	77	37	57	-4	-	-	-	-	-	-	-	87	42	0	0	-	-
ROCKFORD	67	42	79	34	55	-2	0.00	-0.73	0.00	1.63	38	36.22	123	90	40	0	0	0	0
SPRINGFIELD	73	44	79	35	58	-2	0.00	-0.65	0.00	1.14	30	25.50	91	91	42	0	0	0	0
IN EVANSVILLE	71	47	80	41	59	-5	0.00	-0.65	0.00	8.39	235	47.67	135	98	53	0	0	0	0
FORT WAYNE	68	41	77	33	55	-3	0.00	-0.56	0.00	3.90	128	36.30	131	95	44	0	0	0	0
INDIANAPOLIS	70	45	78	41	58	-2	0.00	-0.58	0.00	7.56	232	42.35	136	98	48	0	0	0	0
SOUTH BEND	67	42	75	33	54	-3	0.00	-0.73	0.00	2.80	68	34.41	114	91	44	0	0	0	0
IA DES MOINES	68	46	78	36	57	-1	0.00	-0.75	0.00	4.09	95	28.54	100	85	42	0	0	0	0
SIoux CITY	71	44	83	30	58	0	0.00	-0.54	0.00	2.67	82	28.96	129	85	41	0	1	0	0
WATERLOO	70	44	84	30	57	1	0.03	-0.65	0.03	3.98	98	22.56	79	87	38	0	1	1	0
KS CONCORDIA	73	48	79	38	61	-1	0.00	-0.55	0.00	5.98	177	22.58	89	89	49	0	0	0	0
DODGE CITY	74	49	84	45	62	-1	0.00	-0.34	0.00	5.08	238	28.00	148	89	48	0	0	0	0
GOODLAND	76	44	89	34	60	3	0.00	-0.26	0.00	0.67	39	18.49	113	85	35	0	0	0	0
TOPEKA	73	46	80	39	59	-2	0.00	-0.79	0.00	3.80	83	31.12	106	91	47	0	0	0	0
WICHITA	73	51	80	48	62	-2	0.00	-0.76	0.00	3.86	88	20.85	71	90	49	0	0	0	0
KY BOWLING GREEN	71	48	77	42	59	-3	0.00	-0.69	0.00	7.04	169	44.33	114	99	60	0	0	0	0
LEX																			

Weather Data for the Week Ending October 5, 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	58	36	72	26	47	-1	0.48	-0.24	0.30	3.03	77	30.91	113	94	48	0	3	5	0		
PORTLAND	60	39	68	28	50	-3	0.49	-0.29	0.28	3.69	101	32.77	104	89	47	0	2	2	0		
MD BALTIMORE	67	46	77	36	57	-6	0.36	-0.33	0.36	5.96	163	40.86	129	97	53	0	0	2	0		
SALISBURY	69	47	77	37	58	-4	0.24	-0.56	0.24	5.20	123	43.25	121	97	49	0	0	1	0		
MA BOSTON	64	47	71	36	56	-4	0.60	-0.09	0.58	6.04	170	33.52	110	83	46	0	0	2	1		
CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI ALPENA	59	36	75	26	47	-4	0.06	-0.48	0.04	6.07	176	21.43	93	92	62	0	2	2	0		
DETROIT	66	42	76	36	54	-3	0.00	-0.51	0.00	4.36	138	19.51	77	89	46	0	0	0	0		
FLINT	65	37	78	27	51	-4	0.02	-0.56	0.02	2.83	72	18.82	79	89	39	0	3	1	0		
GRAND RAPIDS	66	38	78	32	52	-3	0.00	-0.74	0.00	2.71	58	20.72	75	91	46	0	1	0	0		
HOUGHTON LAKE	58	36	72	24	46	-5	0.02	-0.56	0.02	4.80	127	28.22	126	92	56	0	2	1	0		
LANSING	66	34	76	26	50	-4	0.00	-0.71	0.00	2.38	56	21.63	88	94	47	0	3	0	0		
MARQUETTE	57	34	73	28	48	-3	0.14	-0.75	0.07	3.84	77	32.57	121	94	52	0	5	3	0		
MUSKOGON	62	38	71	30	50	-6	0.00	-0.71	0.00	2.64	61	20.03	83	90	49	0	1	0	0		
SAULT ST. MARIE	56	34	71	26	46	-5	0.58	-0.18	0.27	6.94	166	31.54	125	95	59	0	2	3	0		
MN ALEXANDRIA	61	39	76	27	50	-2	-	-	-	-	-	-	-	-	-	-	-	-	-		
DULUTH	55	37	72	26	46	-3	0.00	-0.69	0.00	5.13	120	27.12	108	84	47	0	2	0	0		
INT'L FALLS	54	34	74	28	44	-4	0.14	-0.43	0.12	2.74	78	21.06	101	91	51	0	4	2	0		
MINNEAPOLIS	66	42	80	26	54	-1	0.00	-0.55	0.00	1.26	41	16.17	67	82	40	0	1	0	0		
ROCHESTER	66	41	80	28	53	0	0.15	-0.48	0.15	2.16	56	21.80	86	88	46	0	1	1	0		
MS GREENWOOD	78	60	83	46	69	0	-	-	-	-	-	-	-	-	-	-	-	-	-		
JACKSON	77	59	83	46	68	-1	0.00	-0.67	0.00	1.49	43	46.21	109	96	67	0	0	0	0		
MERIDIAN	76	56	82	46	68	-1	0.00	-0.69	0.00	3.99	99	46.43	106	94	64	0	0	0	0		
MO CAPE GIRARDEAU	74	50	81	42	62	-1	0.00	-0.66	0.00	5.06	126	30.37	86	94	44	0	0	0	0		
COLUMBIA	71	46	78	40	58	-3	0.00	-0.82	0.00	6.18	137	31.00	103	90	44	0	0	0	0		
KANSAS CITY	72	47	79	40	58	-2	0.00	-0.93	0.00	2.20	40	29.98	95	89	48	0	0	0	0		
SAINT LOUIS	72	48	77	41	60	-3	0.00	-0.82	0.00	2.88	81	32.57	112	87	42	0	0	0	0		
SPRINGFIELD	72	48	75	43	60	-2	0.00	-0.91	0.00	7.44	139	28.29	83	95	46	0	0	0	0		
MT BILLINGS	71	42	81	32	56	3	0.00	-0.29	0.00	1.61	103	10.38	82	84	38	0	1	0	0		
GLASGOW	60	36	76	27	48	-3	0.04	-0.14	0.04	2.94	258	8.31	86	87	47	0	3	1	0		
GREAT FALLS	67	38	80	26	53	1	0.01	-0.21	0.01	1.47	107	8.12	82	88	41	0	1	1	0		
HAVRE	64	36	82	26	50	-1	0.01	-0.17	0.01	1.59	123	9.78	99	87	46	0	3	1	0		
HELENA	72	34	82	23	53	3	0.00	-0.18	0.00	0.51	40	8.49	84	87	30	0	3	0	0		
KALISPELL	67	36	77	27	51	6	0.06	-0.13	0.08	1.79	129	17.84	140	94	37	0	2	1	0		
MILES CITY	71	40	86	34	56	2	0.00	-0.26	0.00	0.91	63	11.06	90	88	36	0	0	0	0		
MISSOULA	74	37	81	33	56	6	0.02	-0.16	0.02	0.69	56	12.36	113	88	23	0	0	1	0		
NE GRAND ISLAND	72	48	83	37	60	2	0.00	-0.43	0.00	3.02	98	26.94	121	88	41	0	0	0	0		
LINCOLN	72	47	80	36	59	0	0.00	-0.61	0.00	3.80	98	32.36	132	91	47	0	0	0	0		
NORFOLK	70	47	83	33	56	2	0.00	-0.46	0.00	3.20	117	21.34	96	88	42	0	0	0	0		
NORTH PLATTE	71	41	86	30	56	1	0.00	-0.28	0.00	5.55	314	24.03	138	90	44	0	2	0	0		
OMAHA	71	47	81	38	59	0	0.00	-0.66	0.00	4.87	117	27.09	106	87	40	0	0	0	0		
SCOTTSBLUFF	75	40	88	37	58	3	0.00	-0.22	0.00	2.44	202	15.00	112	90	29	0	0	0	0		
NV VALENTINE	73	42	88	33	58	0	0.00	-0.37	0.00	4.49	175	15.20	76	89	32	0	0	0	0		
ELY	77	36	80	32	56	6	0.00	-0.22	0.00	0.39	33	5.28	65	78	12	0	1	0	0		
LAS VEGAS	89	63	94	60	78	2	0.00	-0.04	0.00	0.00	0	0.91	29	35	18	4	0	0	0		
RENO	83	43	86	39	63	8	0.00	-0.06	0.00	0.46	115	7.89	148	81	18	0	0	0	0		
WINNEMUCCA	84	37	86	33	61	7	0.12	0.01	0.12	0.59	128	6.72	114	89	14	0	0	1	0		
NH CONCORD	62	36	70	22	49	-4	0.30	-0.37	0.24	3.06	93	30.37	113	90	39	0	2	2	0		
NJ ATLANTIC CITY	67	44	76	34	56	-4	0.14	-0.47	0.14	5.24	157	37.59	121	92	52	0	0	1	0		
NM ALBUQUERQUE	75	52	82	47	63	1	0.69	0.47	0.69	2.15	189	7.98	110	86	34	0	0	1	1		
CLOVIS	76	50	88	48	63	0	-	-	-	-	-	-	-	-	-	-	-	-	-		
ROSWELL	79	51	90	42	65	-2	-	-	-	-	-	-	-	-	-	-	-	-	-		
NY ALBANY	62	40	72	28	51	-4	0.06	-0.59	0.03	5.03	148	34.54	124	96	61	0	2	2	0		
BINGHAMTON	58	39	71	27	49	-4	0.03	-0.64	0.03	4.87	129	34.02	120	89	50	0	2	1	0		
BUFFALO	62	44	78	34	53	-3	0.08	-0.62	0.08	7.59	192	37.02	129	80	47	0	0	1	0		
NEW YORK	66	52	72	41	59	-3	0.08	-0.59	0.08	4.25	111	32.88	101	82	50	0	0	1	0		
ROCHESTER	63	40	78	30	51	-4	0.01	-0.56	0.01	5.12	154	32.71	134	86	47	0	2	1	0		
SYRACUSE	63	42	78	28	52	-3	0.10	-0.66	0.10	4.48	104	28.06	95	87	47	0	2	1	0		
NC ASHEVILLE	66	48	74	33	57	-4	0.59	-0.42	0.38	5.43	107	38.30	88	97	65	0	0	3	0		
CHARLOTTE	68	56	81	42	61	-5	1.60	0.82	1.10	4.62	114	32.86	98	88	64	0	0	2	2		
GREENSBORO	66	51	78	37	58	-6	2.13	1.31	1.67	12.91	313	42.33	126	92	67	0	0	4	1		
HATTERAS	72	63	79	56	67	-2	0.74	-0.39	0.47	4.54	75	27.68	65	93	80	0	0	-	-		
NEW BERN	73	60	81	52	66	-2	0.27	-0.56	0.17	11.07	197	47.51	106	94	69	0	0	3	0		
RALEIGH	68	54	79	41	61	-4	0.12	-0.55	0.07	16.85	457	46.96	142	92	66	0	0	3	0		
WILMINGTON	75	59	83	48	67	-1	1.54	0.52	1.32	14.78	199	56.67	118	93	65	0	0	4	1		
ND BISMARCK	62	34	86	28	48	-3	0.04	-0.22	0.02	2.78	167	16.53	120	93	48	0	3	2	0		
FARGO	60	37	77	26	49	-3	0.00	-0.44	0.00	3.07	133	12.68	78	88	49	0	2	0	0		
GRAND FORKS	57	36	78	24	47	-4	0.03	-0.36	0.03	1.88	68	13.02	81	91	46	0	3	1	0		

Weather Data for the Week Ending October 5, 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	88	40	78	32	54	-2	0.00	-0.50	0.00	2.72	86	22.80	88	97	45	0	1	0	0
OK YOUNGSTOWN	84	42	74	35	53	-3	0.00	-0.84	0.00	6.34	163	32.22	110	83	51	0	0	0	0
OK OKLAHOMA CITY	76	51	79	47	84	-3	0.00	-0.84	0.00	5.88	132	32.00	117	83	54	0	0	0	0
OR TULSA	77	52	81	49	84	-3	0.00	-0.94	0.00	5.07	96	18.29	58	89	49	0	0	0	0
OR ASTORIA	82	47	67	38	56	-1	1.11	0.17	0.74	4.47	122	50.81	125	96	58	0	0	2	1
OR BURNS	80	34	85	30	57	7	0.00	-0.14	0.00	0.72	104	8.92	129	73	19	0	2	0	0
OR MEDFORD	86	49	94	47	67	7	0.00	-0.23	0.00	0.49	48	15.18	138	87	23	1	0	0	0
OR PENDLETON	78	47	85	41	62	5	0.03	-0.12	0.03	0.84	91	9.49	116	81	26	0	0	1	0
OR PORTLAND	71	56	75	51	63	5	0.48	0.03	0.48	3.53	170	36.81	158	88	42	0	0	1	0
OR SALEM	72	51	78	46	62	5	0.30	-0.18	0.30	2.25	118	37.50	180	98	50	0	0	1	0
PA ALLENTOWN	64	41	74	29	53	-5	0.48	-0.22	0.48	5.74	131	38.21	113	82	48	0	2	1	0
PA ERIE	64	46	77	36	56	-3	0.02	-0.87	0.02	10.83	212	40.22	130	87	53	0	0	1	0
PA HARRISBURG	66	48	77	37	57	-2	-	-	-	-	-	-	93	50	0	0	-	-	
PA PHILADELPHIA	66	48	78	39	57	-2	0.06	-0.72	0.03	4.98	107	37.76	106	88	51	0	0	2	0
PA PITTSBURGH	64	43	75	32	54	-4	0.00	-0.56	0.00	5.58	167	36.84	126	91	47	0	1	0	0
PA SCRANTON	62	41	73	29	52	-6	0.01	-0.85	0.01	3.59	96	34.25	121	94	49	0	2	1	0
RI PROVIDENCE	64	43	69	35	54	-4	0.27	-0.52	0.25	5.73	143	33.72	100	85	47	0	0	2	0
SC CHARLESTON	75	62	82	50	69	-2	0.61	-0.17	0.34	8.68	187	35.88	82	95	73	0	0	3	0
SC COLUMBIA	71	59	84	47	65	-3	0.49	-0.22	0.28	2.56	82	27.16	66	90	83	0	0	4	0
SC FLORENCE	71	59	84	45	65	-4	0.00	-0.84	0.00	7.01	184	30.76	86	97	87	0	0	0	0
SC GREENVILLE	67	54	80	42	61	-5	0.48	-0.43	0.42	4.68	102	42.25	106	90	68	0	0	3	0
SD ABERDEEN	61	38	77	26	50	-3	0.01	-0.37	0.01	5.32	242	19.31	103	95	50	0	2	1	0
SD HURON	68	41	81	29	54	0	0.00	-0.38	0.00	1.89	85	14.67	83	91	49	0	2	0	0
SD RAPID CITY	71	41	87	32	56	2	0.01	-0.27	0.01	1.23	88	16.37	111	87	39	0	2	1	0
SD SIOUX FALLS	67	42	81	28	54	0	0.00	-0.52	0.00	2.82	84	14.86	72	90	44	0	2	0	0
TN CHATTANOOGA	73	55	79	48	64	-2	0.02	-0.74	0.02	7.15	154	44.48	108	90	61	0	0	1	0
TN KNOXVILLE	71	53	78	46	62	-1	0.19	-0.45	0.18	3.82	103	37.28	102	93	65	0	0	3	0
TN MEMPHIS	75	58	79	47	65	-3	0.04	-0.81	0.04	5.82	147	51.01	131	93	58	0	0	1	0
TN NASHVILLE	72	52	78	45	62	-3	0.00	-0.81	0.00	4.78	124	35.34	97	94	65	0	0	0	0
TX ABILENE	77	54	85	50	66	-5	0.00	-0.66	0.00	6.02	164	22.81	114	87	50	0	0	0	0
TX AMARILLO	73	48	85	44	60	-3	0.00	-0.36	0.00	1.86	84	18.39	106	88	47	0	0	0	0
TX AUSTIN	78	60	89	53	69	-7	0.08	-0.74	0.08	3.00	77	21.34	86	85	54	0	0	1	0
TX BEAUMONT	80	63	86	53	71	-2	0.12	-1.00	0.12	10.81	154	38.83	83	83	61	0	0	1	0
TX BROWNSVILLE	82	70	87	61	76	-2	11.13	10.16	9.09	19.70	293	26.92	124	95	65	0	0	4	3
TX CORPUS CHRISTI	83	66	91	52	74	-3	0.35	-0.81	0.24	3.50	57	16.40	85	92	55	1	0	2	0
TX DEL RIO	80	60	86	50	70	-4	0.33	-0.38	0.26	2.42	73	9.50	48	81	47	0	0	2	0
TX EL PASO	84	57	91	49	71	2	0.00	-0.28	0.00	1.24	87	8.94	122	64	26	2	0	0	0
TX FORT WORTH	80	58	86	49	68	-1	0.00	-1.06	0.00	1.51	27	20.55	69	85	44	0	0	0	0
TX GALVESTON	78	68	83	62	73	-3	0.13	-0.78	0.13	3.08	48	15.52	47	89	68	0	0	1	0
TX HOUSTON	80	61	86	50	70	-3	1.17	0.08	1.17	8.06	126	29.81	74	96	58	0	0	1	1
TX LUBBOCK	78	49	86	43	63	-3	0.00	-0.52	0.00	0.59	20	12.86	81	84	37	0	0	0	0
TX MIDLAND	79	62	87	47	65	-4	0.00	-0.49	0.00	0.97	27	7.45	57	84	39	0	0	0	0
TX SAN ANGELO	77	51	86	42	64	-6	0.14	-0.55	0.08	2.06	53	18.76	100	94	49	0	0	2	0
TX SAN ANTONIO	78	59	88	50	68	-6	0.08	-0.68	0.08	3.74	94	12.53	51	88	64	0	0	1	0
TX VICTORIA	81	63	88	52	72	-3	0.11	-1.09	0.08	5.31	74	22.22	63	97	56	0	0	2	0
TX WACO	79	54	87	47	67	-6	0.13	-0.70	0.12	1.90	46	18.80	75	94	51	0	0	2	0
UT WICHITA FALLS	77	53	83	48	65	-4	0.00	-0.87	0.00	5.04	109	17.97	75	92	52	0	0	0	0
UT CEDAR CITY	76	44	82	37	60	4	0.14	-0.08	0.14	0.98	88	9.38	106	71	19	0	0	1	0
UT SALT LAKE CITY	83	53	88	47	68	9	0.00	-0.33	0.00	1.03	87	12.42	100	63	23	0	0	0	0
VT BURLINGTON	59	40	71	28	50	-3	0.36	-0.31	0.18	3.03	81	31.85	120	88	48	0	3	3	0
VA NORFOLK	69	57	76	51	63	-2	0.48	-0.29	0.48	2.20	50	40.50	112	87	82	0	0	1	0
VA RICHMOND	68	50	75	39	69	-4	0.03	-0.78	-	6.91	176	38.57	114	91	36	0	0	-	-
VA ROANOKE	65	47	73	34	56	-5	0.27	-0.59	0.19	6.91	168	42.97	135	93	57	0	0	3	0
WA QUILLAYUTE	60	45	63	34	52	-1	2.01	0.18	1.40	5.15	81	56.95	86	96	55	0	0	4	2
WA SEATTLE-TACOMA	64	49	67	45	57	1	0.75	0.21	0.61	2.80	113	30.43	134	99	55	0	0	2	1
WA SPOKANE	70	42	79	34	56	4	0.02	-0.15	0.02	0.81	98	13.72	124	84	29	0	0	1	0
WA YAKIMA	74	40	86	36	57	3	0.00	-0.08	0.00	0.31	89	5.84	114	90	29	0	0	0	0
WV BECKLEY	63	43	68	36	53	-4	0.48	-0.21	0.44	7.10	186	46.53	143	94	63	0	0	3	0
WV CHARLESTON	68	44	76	36	56	-5	0.64	0.00	0.61	7.98	217	47.57	143	98	52	0	0	2	1
WV HUNTINGTON	68	46	75	37	57	-2	0.22	-0.43	0.22	4.61	123	41.69	123	93	55	0	0	1	0
WV PARKERSBURG	66	43	76	33	54	-6	0.10	-0.51	0.10	5.80	173	40.61	124	95	45	0	0	1	0
WI GREEN BAY	82	37	74	28	50	-4	0.00	-0.60	0.00	1.41	37	19.83	85	93	48	0	3	0	0
WI LACROSSE	68	45	87	30	56	1	0.23	-0.41	-	1.87	44	21.32	83	79	35	0	1	-	-
WI MADISON	65	38	78	28	52	-4	0.00	-0.65	0.00	1.07	26	24.68	93	88	46	0	3	0	0
WI MILWAUKEE	66	45	80	37	55	0	0.00	-0.61	0.00	1.82	48	17.56	87	79	42	0	0	0	0
WI WAUSAU	80	40	74	30	50	-2	0.02	-0.73	0.02	2.48	52	27.75	101	87	44	0	2	1	0
WY CASPER	75	41	81	29	58	6	0.06	-0.16	0.06	0.49	44	7.44	72	71	28	0	1	1	0
WY CHEYENNE	70	42	77	38	56	5	0.11	-0.10	0.11	2.45	175	14.89	116	84	29	0	0	1	0
WY LANDER	75	43	80	41	59	7	0.00	-0.28	0.00	0.71	55	7.10	86	64	23	0	0	0	0
WY SHERIDAN	77	42	85	35	60	8	0.00	-0.31	0.00	1.02	64	10.46	87	82	26	0	0	0	0
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.

September Weather and Crop Summary

Weather

Atlantic Hurricane Fran and Eastern Pacific Hurricane Fausto highlighted a wet pattern across the South and East. Days before Fran made landfall in North Carolina, Hurricane Edouard brushed coastal New England with high winds and heavy rain. Just after Fran hit, Hurricane Hortense dumped copious rainfall on Puerto Rico, but curved away from the U.S. mainland. Meanwhile, a series of cold fronts crossed the interior Northwest, reducing the wildfire threat and the severity of the 4-month drought. The fronts also sparked heavy rain in the northern and central Plains. In parts of the Southwest, however, drought durations reached 1 year despite the arrival of below-normal temperatures. The only significant dry pocket east of the Rockies included the upper Midwest, where many totals were less than 50 percent of normal. In contrast, monthly rainfall topped 200 percent of normal along Hurricane Fran's path from North Carolina to western New York. Major flooding—rival to that observed in January 1996—unfolded along many Middle Atlantic rivers in Fran's wake.

A split jet-stream pattern left much of the Nation cooler than normal, but protected the Midwest from an early freeze. The southern branch of the jet stream cut across the United States, confining persistent heat to southern parts of Texas and Florida. The northern branch of the split became configured in an "Omega block"—named for its similarity in appearance to the Greek letter—that arched northward far into central Canada. As a result, significant cold outbreaks were diverted away from the Midwest. Toward month's end, a surge of Western Pacific storminess—including energy associated with former Typhoon Tom—demolished the block and allowed for a more normal delivery of autumn airmasses into the United States.

Raleigh-Durham (RDU), NC (16.64 inches) and Cleveland, OH (11.05 inches) posted September-record rainfalls, boosted by 24-hour record totals associated with Hurricane Fran's remnants. In addition to a 79 mph wind gust, RDU received 8.80 inches on September 5-6; Cleveland recorded 5.22 inches on September 6-7. RDU's September total was a record for any month, previously set in August 1908 (13.63 inches). Hurricane Fran struck the North Carolina coast south of Wilmington on the evening of September 5, only 55 days after and a few miles west of Hurricane Bertha. Fran's 115 mph sustained winds and 12 to 13 foot storm surge exacted a severe toll on beaches left exposed by Bertha's erosion. Farther north, Fran's rain fell on soils already saturated by early-month rains and in river basins left vulnerable to flooding by an 11-month wet spell. Lynchburg, VA measured a September-record 12.54 inches, 91 percent of which fell by the 16th.

Although Hurricane Fausto's circulation dissipated over rugged north-central Mexico shortly after a September 13 landfall, its moisture became absorbed into a disturbance crossing the Southwest. By the time the system reached the Northeast on September 17-18, it was capable of producing the heaviest 24-hour rainfall (4.71 inches) in 12 years—in addition to wind gusts of 53 mph—at Massachusetts' Blue Hill Observatory. Several days earlier, on September 9-10, Hurricane Hortense crossed southwestern Puerto Rico. Island totals reached 23 inches, causing extensive flooding. Boosted by Hortense's rains, San Juan's monthly total reached a September-record 15.15 inches.

Near-record to record September rainfall soaked the Plains from South Dakota to Kansas, and a band from the Ozark Plateau to the lower Ohio Valley. In South Dakota, Aberdeen's total of 5.32 inches broke a September record that had stood since 1988. In Kansas, Dodge City's September total of 5.08 inches wound up fourth all-time. Evansville, IN noted their second wettest, sixth coolest September on record. During the second half of the month, 83 percent of Evansville's 8.57-inch total fell, while the mercury climbed to 80°F only once—on the 22nd. In Arizona, Tucson's monthly average temperature was 2.7°F below normal, marking their first cooler-than-normal month since June 1995.

Despite general coolness across the U.S., few individual airmasses warranted attention. On September 14, frost dotted the upper Midwest, as lows dipped to daily-record levels in locations such as St. Cloud, MN (31°F), Webster City, IA (34°F), and Springfield, IL (37°F). Toward month's end, cold air drilled southward through the Plains, delivering a freeze as far south as eastern Colorado and western Nebraska. Snowfall reached 4.2 inches at both Colorado Springs, CO and Lander, WY. On September 27, lows of 8°F in Laramie, WY, 31°F in McCook, NE, and 35 F in Amarillo, TX were among about a dozen daily records. The weather system responsible for the late-month chill also produced very heavy rain from the Plains to the East

Coast, adding to moisture surpluses in many areas, but boosting soil moisture in the upper Midwest. The system also cooled southern Florida, where Miami Beach logged eight daily-record highs from September 2-22. In Ft. Myers, FL, September-record highs of 97°F were attained on September 3 and 7. Farther west, a strong cold front crossed the Northwest on September 4-5, ending a heat wave and reducing the wildfire threat. On September 3, the high soared to 96°F in Salt Lake City, UT; a day later, Sheridan, WY notched 99°F. But by September 6, lows fell to daily-record levels in Elko, NV (23°F) and Pocatello, ID (29°F).

Cold and often stormy weather gripped Alaska during the last 3 weeks of September. Monthly temperatures averaged 1 to 3°F below normal and precipitation was above normal across the south and the northwest. Fairbanks' monthly snowfall of 7.1 inches was their seventh highest September total. On September 25, 3.35 inches of rain—associated with the remnants of Typhoon Tom and accompanied by wind gusts to 60 mph—lashed Juneau, their wettest September day and second-wettest all-time, behind 4.62 inches on October 10, 1946. Juneau's monthly total reached 10.28 inches, 153 percent of normal. Meanwhile, warm, drier-than-normal weather prevailed across Hawaii.

Fieldwork

Hurricane Fran arrived in early September and brought heavy rains and high winds that caused flooding and damaged crops in the mid-Atlantic. Row-crops in the Midwest started the month stressed, and some fields were yellowed by chronically dry soil conditions. Rains in early September in the Midwest and Great Lakes region reduced row-crop stress from dry soils and very warm weather. September started with crop development about 2 weeks behind normal in the eastern Corn Belt. Harvest activity in the Southeast was delayed by scattered showers, but the benefits from the precipitation outweighed the slowdown in harvest activity. The month started with short soil moisture supplies in the middle Mississippi Valley. Crop development in the central Great Plains was accelerated by above-normal temperatures, but many fields started the month 1 to 2 weeks behind the average. In the southern Great Plains, cool weather slowed crop maturity while wet fields and heavy rains slowed fieldwork. Dry soil conditions in early September slowed winter wheat seeding in the West and parts of the Dakotas. Many producers were waiting for rain and lower temperatures to reduce insect activity. Some producers harvested early-planted corn in the Tennessee Valley, but had to dry grain to acceptable moisture levels prior to sale.

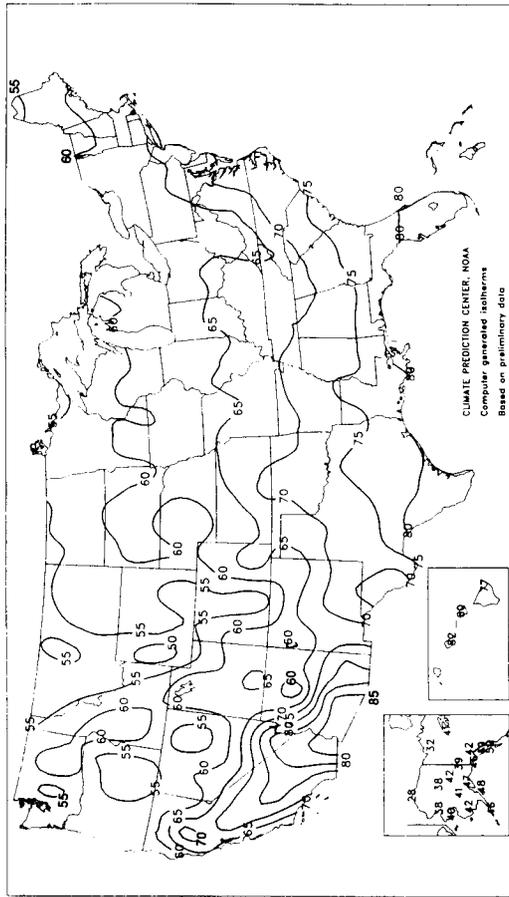
A mid-month cold front brought rain to the Middle Atlantic and Southeastern States, further delaying harvest and planting activities. The remnants of Hurricane Fran brought rain across the eastern Great Lakes and the Northeast, which brought relief to crops in dry soils. On September 14, light, scattered frost occurred in low-lying areas of eastern North Dakota, Minnesota, and northern Iowa, reminding producers that the end of the growing season was near. In the Corn Belt, scattered rains provided moisture for soybeans filling pods, but warmer weather was needed to promote crop development. Chilly autumn weather later in the month slowed crop development in the Central States. Rainy weather over most of the Nation provided moisture for recently planted small grains, but stalled row-crop harvest activity. Producers in the northern Great Plains waited for a killing freeze to help dry down the row-crops before harvest.

In the mid-Atlantic, surplus topsoil moisture levels prevented many producers from entering their fields, and storms over the weekend caused some lodging. Later in the month, heavy rains and thunderstorms in the southern Great Plains provided good pre-planting moisture for small grains. In the Pacific Northwest, soil crusting required some producers to reseed small grains. Rain improved row-crop condition near the end of September in the Central States. Crop conditions declined in the Mid-Atlantic as a result of the excessive moisture and crop damage from Hurricane Fran. Cool fall weather in the Midwest and Southeast slowed crop development.

Wet weather at the close of September slowed row-crop harvest activity and small grain seeding over most of the eastern half of the Nation. Cold autumn weather in the central Great Plains and below-freezing temperatures brought an end to crop development. In the Midwest, corn had higher-than-normal moisture levels for the end of September. Wet fields delayed harvest activity in the Southeast. Heavy rains in the Dakotas brought fieldwork to a standstill at month's end. Wheat producers who waited for rain to increase soil moisture before planting in the southern Great Plains were prevented from planting by wet fields. Row-crop development ended the month behind the average, but conditions were improved by the rain. Rains at month's end lowered cotton condition in the Southern States due to damage to fields with open bolls.

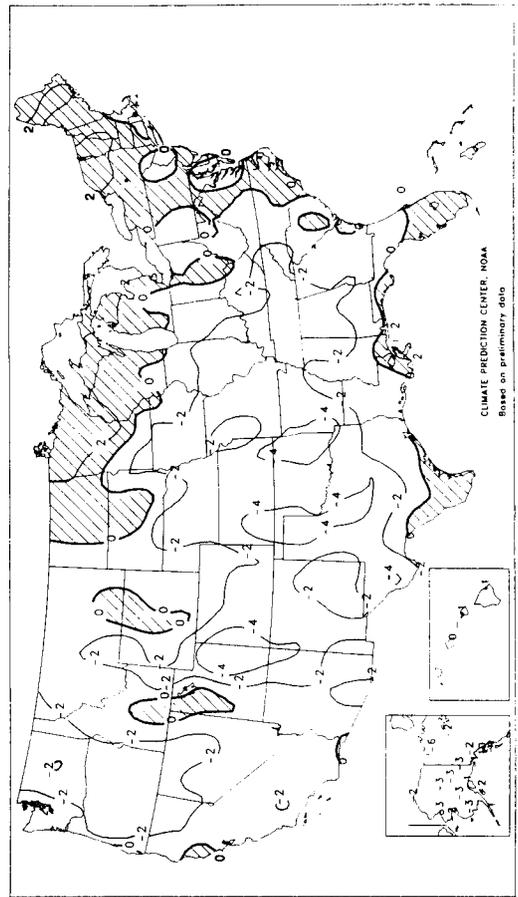
Average Temperature (°F)

SEP 1996



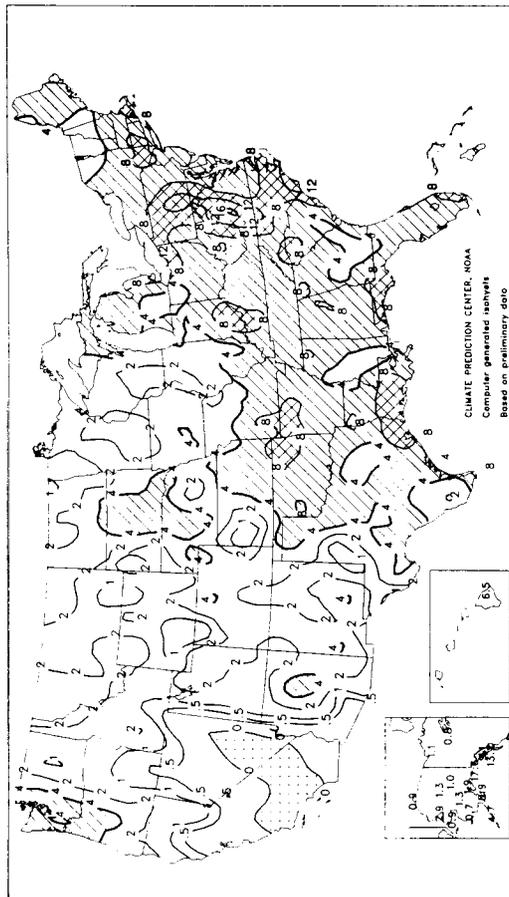
Departure of Average Temperature from Normal (°F)

SEP 1996



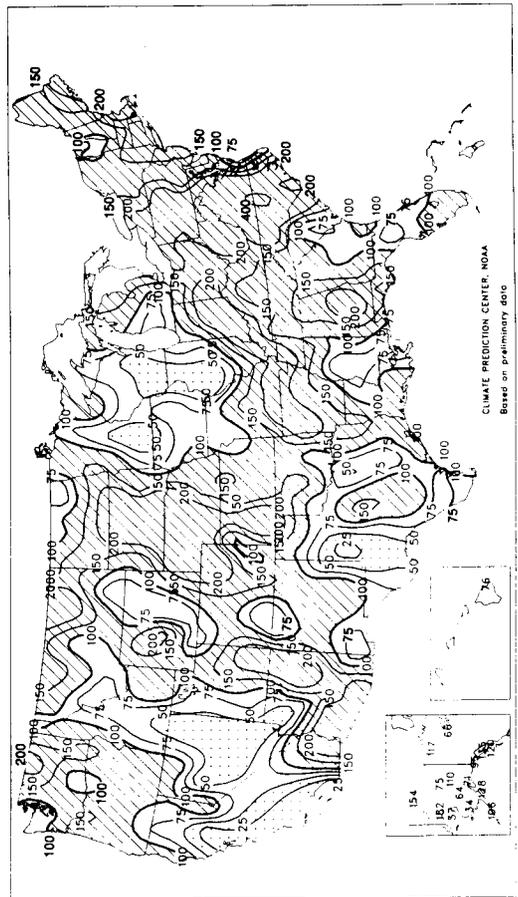
Total Precipitation (inches)

SEP 1996



Percent Of Normal Precipitation

SEP 1996



TEMPERATURE AND PRECIPITATION SUMMARY September 1996

STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.		STATES AND STATIONS	TEMP. °F		PRECIP.	
	AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE		AVERAGE	DEPARTURE	TOTAL	DEPARTURE
AL BIRMINGHAM	72	-2	5.83	1.90	LA BATON ROUGE	76	-2	6.58	1.73	OK YOUNGSTOWN	61	-1	6.37	2.89
AL HUNTSVILLE	70	-2	-	-	LA LAKE CHARLES	77	0	7.38	1.89	OK OKLAHOMA CITY	69	-4	5.88	2.04
AL MOBILE	77	-1	5.01	-0.90	LA NEW ORLEANS	79	1	3.98	-1.56	OK TULSA	70	-3	5.07	0.37
AL MONTGOMERY	74	-1	8.89	4.86	ME SHREVEPORT	74	-1	7.17	3.38	OR ASTORIA	57	-1	3.36	0.45
AK ANCHORAGE	47	-2	1.93	-0.77	ME CARIBOU	55	1	3.81	0.36	OR BURNS	53	-2	0.72	0.16
AK BARROW	28	-3	0.83	0.23	ME PORTLAND	60	1	3.55	0.46	OR MEDFORD	64	-1	0.48	-0.37
AK FAIRBANKS	42	-3	1.06	0.11	MD BALTIMORE	68	-1	5.65	2.24	OR PENDLETON	61	-2	0.81	0.02
AK JUNEAU	49	-1	10.28	3.55	MD BOSTON	69	0	2.18	-1.51	OR PORTLAND	62	-1	3.05	1.30
AK KODIAK	47	-3	8.96	1.97	MA BOSTON	64	-1	6.67	3.61	PA SALEM	60	-1	1.95	0.40
AK NOME	40	-3	0.90	-1.53	MA CHATHAM	-	-	-	-	PA ALLENTOWN	64	-1	5.26	1.33
AZ FLAGSTAFF	55	-2	-	-	MI ALPENA	60	2	6.07	2.96	PA ERIE	63	-1	10.81	6.22
AZ PHOENIX	84	-1	0.54	-0.32	MI DETROIT	64	1	4.36	1.47	PA HARRISBURG	68	1	3.35	-0.18
AZ PRESCOTT	66	-	0.96	-1.02	MI FLINT	62	0	2.81	-0.75	PA PHILADELPHIA	69	2	4.95	0.80
AZ TUSCON	78	-3	3.68	2.01	MI GRAND RAPIDS	62	1	2.71	-1.53	PA PITTSBURGH	64	0	5.63	2.66
AZ WINSLOW	65	-3	-	-	MI HOUGHTON LAKE	59	1	4.41	1.00	PA SCRANTON	62	0	3.92	0.61
AZ YUMA	88	1	0.00	-0.31	MI LANSING	60	0	2.38	-1.49	PA WILLIAMSPORT	63	0	-	-
AR FORT SMITH	70	-3	6.53	3.29	MI MARQUETTE	56	2	3.58	-0.50	RI PROVIDENCE	64	0	5.75	2.27
CA BAKERSFIELD	75	-2	0.00	-0.17	MI MUSKEGON	61	0	2.61	-1.27	SC CHARLESTON	75	-1	8.77	4.04
CA BISHOP	-	-	-	-	MI SAULT ST. MARIE	58	3	6.47	2.78	SC COLUMBIA	74	0	2.50	-1.17
CA EUREKA	56	-1	1.21	0.32	MN ALEXANDRIA	59	1	-	-	SC FLORENCE	73	-1	-	-
CA FRESNO	75	0	0.00	-0.24	MN DULUTH	56	2	5.13	1.29	SC GREENVILLE	70	-1	4.82	0.86
CA LOS ANGELES	89	-1	0.00	-0.31	MN INT'L FALLS	55	2	2.64	-0.51	SC ABERDEEN	59	0	5.32	3.36
CA REDDING	73	-2	0.62	-0.29	MN MINNEAPOLIS	82	2	1.30	-1.42	SC HURON	61	0	3.69	1.97
CA SACRAMENTO	71	0	0.00	-0.37	MN ROCHESTER	59	0	2.10	-1.37	SC RAPID CITY	60	0	1.55	0.32
CA SAN DIEGO	71	-1	0.02	-0.22	MN ST. CLOUD	59	2	-	-	SC SIOUX FALLS	59	-1	2.82	-0.20
CA SAN FRANCISCO	63	-1	0.00	-0.20	MS GREENWOOD	74	-1	0.98	-2.34	TN BRISTOL	65	-3	-	-
CA SANTA MARIA	62	-	0.02	-	MS JACKSON	74	-1	1.49	-1.46	TN CHATTANOOGA	69	-3	7.18	3.03
CO ALAMOSA	53	-2	-	-	MS MERIDIAN	73	-2	3.99	0.47	TN KNOXVILLE	69	-1	3.45	0.38
CO CO. SPRINGS	57	-3	-	-	MS TUPELO	71	-3	-	-	TN MEMPHIS	72	-2	5.78	2.25
CO DENVER	61	-1	2.36	1.11	MO CAPE GIRARDEAU	68	-2	5.06	1.49	TN NASHVILLE	70	-2	4.88	1.42
CO GRAND JUNCTION	63	-6	1.54	0.49	MO COLUMBIA	65	-3	6.18	2.25	TX ABILENE	72	-4	6.02	2.81
CO PUEBLO	62	-4	1.46	0.66	MO KANSAS CITY	65	-3	3.44	-1.42	TX AMARILLO	66	-3	1.86	-0.13
CT BRIDGEPORT	66	0	4.79	1.72	MO SAINT LOUIS	87	-3	2.88	-0.24	TX AUSTIN	78	-3	-	-
CT HARTFORD	63	-1	7.54	3.75	MO SPRINGFIELD	66	-3	7.48	2.71	TX BEAUMONT	78	-1	10.70	4.39
DC WASHINGTON	71	-1	7.79	4.48	MT BILLINGS	58	-1	1.80	0.44	TX BROWNSVILLE	82	0	8.57	2.57
FL PANAMA CITY	78	0	4.09	-1.44	MT GLASGOW	56	-1	2.92	1.92	TX CORPUS CHRISTI	81	0	2.21	-3.31
FL DAYTONA BEACH	79	0	3.92	-2.42	MT GREAT FALLS	54	-2	1.77	0.53	TX DEL RIO	80	1	2.09	-0.71
FL FT. MYERS	84	2	-	-	MT HAVRE	55	-1	1.58	0.40	TX EL PASO	74	-1	0.63	-1.07
FL JACKSONVILLE	77	-2	8.34	1.34	MT HELENA	58	0	1.23	0.08	TX FORT WORTH	74	-1	1.51	-3.27
FL KEY WEST	83	0	6.55	0.70	MT KALISPELL	52	-2	1.71	0.45	TX GALVESTON	80	0	2.95	-2.98
FL MIAMI	83	1	-	-	MT MILES CITY	60	0	0.91	-0.36	TX HOUSTON	77	-1	6.98	1.29
FL ORLANDO	81	0	5.98	-0.03	NE MISSOULA	54	-2	0.70	-0.42	TX LAREDO	-	-	-	-
FL TALLAHASSEE	77	-1	3.94	-1.84	NE GRAND ISLAND	62	-1	3.02	0.17	TX LUBBOCK	69	-2	0.62	-1.98
FL TAMPA	82	1	5.44	-0.54	NE LINCOLN	63	-2	0.00	0.17	TX MIDLAND	72	-2	0.97	-2.30
FL WEST PALM BEACH	82	0	8.84	1.64	NE NORFOLK	81	-2	3.20	0.75	TX SAN ANGELO	73	-2	1.92	-1.49
GA ATHENS	71	-2	-	-	NE NORTH PLATTE	59	-2	5.55	3.94	TX SAN ANTONIO	78	-1	3.66	0.25
GA ATLANTA	73	0	4.69	1.27	NE OMAHA	63	-2	4.87	1.15	TX VICTORIA	79	0	5.36	-0.98
GA AUGUSTA	73	-1	2.96	-0.06	NE SCOTT'S BLUFF	60	-1	2.44	1.34	TX WACO	75	-4	1.84	-1.66
GA MACON	74	-1	2.55	-0.23	NE VALENTINE	80	-4	4.49	2.13	UT WICHITA FALLS	72	-3	-	-
GA SAVANNAH	76	-1	2.25	-2.22	NV ELKO	54	-5	-	-	UT BLANDING	63	0	-	-
HI HILO	77	1	6.46	-2.07	NV ELY	56	0	0.36	-0.82	UT CEDAR CITY	63	0	0.84	-0.14
HI HONOLULU	82	1	1.67	0.89	NV LAS VEGAS	80	0	0.00	-0.28	UT SALT LAKE CITY	65	0	1.03	-0.25
HI KAHULUI	80	2	-	-	NV RENO	60	-1	0.45	0.06	VT BURLINGTON	62	3	2.75	-0.55
HI LIHUE	-	-	-	-	NV WINNEMUCCA	57	-2	0.48	0.08	VA LYNCHBURG	65	-3	12.54	9.41
ID BOISE	62	-1	0.46	-0.34	NH CONCORD	61	2	3.05	0.24	VA NORFOLK	72	0	2.72	-1.18
ID LEWISTON	62	-2	0.31	-0.47	NJ ATLANTIC CITY	68	2	5.24	2.31	VA RICHMOND	70	0	6.89	3.55
ID POCATELLO	56	-3	1.32	0.47	NM ALBUQUERQUE	66	-2	1.46	0.46	VA ROANOKE	66	-2	6.65	3.15
IL CAIRO	-	-	-	-	NM CLOVIS	68	0	-	-	WA COLVILLE	-	-	-	-
IL CHICAGO	64	-1	2.73	-1.09	NY ALBANY	71	-2	-	-	WA QUILLAYUTE	55	-2	3.16	-1.72
IL MOLINE	63	-1	1.10	-2.92	NY BINGHAMTON	62	1	5.06	2.11	WA SEATTLE-TACOMA	58	-1	1.85	-0.03
IL PEORIA	64	-2	1.62	-2.25	NY BUFFALO	63	1	7.51	4.02	WA SPOKANE	56	-3	0.79	0.06
IL QUINCY	63	-3	0.91	-3.78	NY NEW YORK	70	1	4.17	0.78	WA WALLA WALLA	64	-1	-	-
IL ROCKFORD	62	-1	1.63	-2.17	NY ROCHESTER	62	0	5.11	2.14	WA YAKIMA	58	-3	0.31	-0.09
IL SPRINGFIELD	64	-3	1.12	-2.21	NY SYRACUSE	63	1	4.38	0.59	WV BECKLEY	62	-1	6.62	3.29
IN EVANSVILLE	66	-3	8.47	5.35	NC ASHEVILLE	64	-2	5.22	0.84	WV CHARLESTON	66	-2	7.37	4.13
IN FORT WAYNE	63	-2	3.94	1.27	NC CHARLOTTE	72	-1	4.12	0.62	WV ELKINS	62	0	-	-
IN INDIANAPOLIS	65	-1	7.60	4.73	NC GREENSBORO	69	-1	10.80	7.28	WV HUNTINGTON	66	0	4.19	0.95
IN SOUTH BEND	63	-1	3.30	-0.32	NC HATTERAS	75	1	3.80	-1.47	WV PARKERSBURG	64	-3	5.70	2.76
IA DES MOINES	62	-1	4.38	0.58	NC NEW BERN	75	1	4.43	-0.70	WI GREEN BAY	60	0	1.41	-2.06
IA DUBUQUE	61	-1	-	-	NC RALEIGH	70	-1	16.64	13.45	WI LACROSSE	64	2	1.64	-2.15
IA SIOUX CITY	61	-3	2.67	-0.21	NC WILMINGTON	75	1	13.36	6.52	WI MADISON	60	0	1.07	-2.67
IA WATERLOO	63	-1	3.88	0.37	ND BISMARCK	58	1	2.90	1.31	WI MILWAUKEE	64	2	1.82	-1.56
KS CONCORDIA	65	-2	5.78	2.77	ND FARGO	59	1	3.17	1.18	WI WAUSAU	60	2	1.06	-3.28
KS DODGE CITY	65	-4	5.08	3.17	ND GRAND FORKS	58	2	1.65	-0.59	WY CASPER	56	-2	0.47	-0.47
KS GOODLAND	62	-2	0.69	-0.88	ND WILLISTON	55	-1	2.07	0.74	WY CHEYENNE	57	-1	2.34	1.07
KS TOPEKA	65	-3	3.60	-0.21	OH AKRON-CANTON	63	-1	5.73	2.41	WY LANDER	58	-1	2.34	1.24
KS WICHITA	68	-2	3.80	-0.06	OH CINCINNATI	65	-2	5.40	2.52	WY SHERIDAN	58	-1	0.78	-0.59
KY BOWLING GREEN	67	-2	7.04	3.32	OH CLEVELAND	64	0	11.05	7.61	PR SAN JUAN	-	-	15.15	9.16
KY JACKSON	65	-3	-	-	OH COLUMBUS	66	2	5.50	2.38					
KY LEXINGTON	66	-2	4.15	0.95	OH DAYTON	64	-2	6.87	4.33					
KY LOUISVILLE	69	-1	-	-	OH MANSFIELD	62	-2	-	-					
KY PADUCAH	68	-2	-	-	OH TOLEDO	64	1	2.74	-0.11					

Based on 1961-90 normals

National Agricultural Summary

September 30 - October 6, 1996

HIGHLIGHTS

A killing frost ended the growing season in parts of the northern Corn Belt. Low temperatures on October 3 lasted long enough to stop crop growth but accelerated the dry down of row crops. The later-than-normal development of late-planted fields increased their vulnerability to frost damage, but minimal damage was reported over most of the Corn Belt. Some fields of late-planted row crops in the Great Lakes region

endured the first frost of the season before reaching maturity. Soybean producers with mature fields welcomed the frost, but corn growers hurried to harvest immature corn for silage since the frost reduced moisture levels. Cool, wet weather in the Southeast slowed harvest activity and fieldwork. Dry weather in the middle Mississippi Valley allowed producers to resume harvest activity.

The **winter wheat** crop in the 19 major producing States was 54 percent (%) planted, up 21 points from last week but 7 percentage points behind the 5-year average. Planting progress in Kansas, at 55% complete, increased 35 points from last week, but remained 13 points behind the average. Farmers in Missouri took advantage of fair weather to continue wheat seeding at a normal pace. Planting progress in Nebraska, at 88% complete, increased 32 points from last week, but remained 6 points behind the average. Nebraska wheat growers were concerned that earlier delays to seeding due to wet fields will leave plants with insufficient growth before entering winter dormancy. Wheat producers in Texas treated emerged fields for armyworms. Winter wheat emerged for the major producing States was 28% complete, up 10 points from last week but 6 points behind the average.

Corn condition in the 17 major producing States at 65% good to excellent was unchanged from last week. Frost damage was minimal in the eastern Corn Belt. Corn mature at 80% complete was up 24 points from last week but 4 points behind the average. In Minnesota, corn mature at 87% complete was up 44 points from the previous week and 16 points ahead of the average. The moisture content of corn in Minnesota was 31%, compared with 28% for the average moisture content. Corn harvested at 14% complete was up 5 points from last week but 10 points behind normal.

Cotton condition was 57 percent good to excellent in the 14 major producing States, down 4 points from last week. Cotton bolls opening was 83% complete, up 6 points from last week and 5 points ahead of the average for the Nation. Cotton acreage harvested was estimated at 25%, up 7

points from last week. Rainy weather associated with Hurricane Josephine slowed harvest activity in the Southeast and Gulf Coast States. Cool weather slowed defoliation of late-planted cotton fields in the southern Great Plains. Cotton condition continued to decline in Georgia due to high winds and heavy rain.

Sorghum condition, with 74% of the crop rated good to excellent, was unchanged from last week. Sorghum acreage mature, at 76%, was up 14 points from last week and 4 points ahead of the average. Sorghum harvested, at 32% complete, was up 6 points from the previous week but 8 points below the average. In Missouri, sorghum harvested at 31% complete was up 16 points from last week.

Rice harvest reached 84% complete, up 10 points from last week and 8 points ahead of the average. Harvest activity in California at 45% complete was up 20 points from the previous week and 6 points ahead of normal. Harvested rice fields in California had stubble burned or chopped and disced. Lodging in some rice fields was reported in Arkansas.

Soybean condition rated 59% good to excellent, up 2 points from last week. Soybeans dropping leaves, at 75% complete, was up 19 points from last week but 8 points behind the average. Soybean acreage harvested, at 17%, was up 13 points from last week but 14 points less than the average. Iowa's soybean harvest, at 22% complete, was up 21 points from the previous week, but 11 points behind normal. The soybean harvest remained behind schedule across the Ohio and middle Mississippi Valley, where minimal frost damage was reported.

Crop Progress and Condition

Week Ending October 6, 1996

Soybeans Percent Dropping Leaves

	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AL	51	38	66	51
AR	44	34	36	35
GA	64	47	49	62
IL	73	45	91	93
IN	80	57	100	98
IA	84	66	95	93
KS	83	71	83	89
KY	54	35	72	59
LA	76	64	72	63
MI	68	53	99	93
MN	99	83	99	89
MS	72	68	81	64
MO	55	38	65	73
NE	94	64	95	96
NC	35	21	37	37
OH	74	40	100	99
SC	14	9	11	16
SD	96	88	96	93
TN	67	44	69	56
ALL	75	56	85	83

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

Soybeans Percent Harvested

	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AL	10	4	8	7
AR	17	10	8	10
GA	2	1	3	5
IL	17	4	48	49
IN	12	3	52	42
IA	22	1	25	33
KS	15	5	6	28
KY	3	2	12	8
LA	43	31	38	28
MI	7	2	36	20
MN	20	3	16	27
MS	31	29	45	24
MO	11	3	8	17
NE	22	2	18	45
NC	6	1	3	2
OH	12	2	38	37
SC	2	0	1	0
SD	13	4	11	32
TN	4	2	4	5
ALL	17	4	27	31

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

Winter Wheat Percent Planted

	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AR	10	5	5	9
CA	1	0	1	1
CO	80	60	79	91
GA	2	1	4	5
ID	60	47	52	57
IL	6	2	14	21
IN	14	8	29	29
KS	55	20	55	68
MI	29	14	55	51
MO	17	6	19	18
MT	65	32	78	69
NE	88	56	90	94
NC	14	11	11	15
OH	12	4	42	34
OK	46	25	36	64
OR	33	19	47	43
SD	72	64	93	94
TX	74	65	49	57
WA	90	72	76	76
ALL	54	33	51	61

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

Winter Wheat Percent Emerged

	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AR	5	0	3	3
CA	0	0	0	0
CO	51	37	49	64
GA	1	0	2	2
ID	19	13	21	24
IL	1	0	2	3
IN	2	0	4	7
KS	24	10	19	36
MI	12	0	17	23
MO	5	0	4	6
MT	16	6	28	27
NE	49	36	65	72
NC	0	0	0	2
OH	3	1	6	6
OK	18	8	11	26
OR	9	6	16	16
SD	48	39	68	75
TX	51	40	27	34
WA	68	58	54	58
ALL	28	18	24	34

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

Cotton Percent Bolls Opening

	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AL	86	81	88	80
AZ	100	100	100	99
AR	94	92	95	85
CA	100	100	96	99
GA	87	80	90	82
LA	100	99	99	97
MS	99	96	100	96
MO	92	87	86	85
NM	92	86	80	83
NC	93	89	95	95
OK	59	31	20	53
SC	89	88	81	87
TN	98	97	99	96
TX	66	57	63	60
ALL	83	77	81	78

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

Cotton Percent Harvested

	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AL	26	16	35	24
AZ	20	17	14	25
AR	29	18	24	24
CA	15	10	3	9
GA	20	16	28	18
LA	47	28	58	47
MS	49	29	59	35
MO	32	21	23	26
NM	10	1	1	1
NC	16	8	16	16
OK	1	1	0	8
SC	32	16	15	17
TN	38	25	18	24
TX	19	18	27	28
ALL	25	18	28	25

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

Rice Percent Harvested

	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AR	87	75	79	77
CA	45	25	21	39
LA	98	95	96	95
MS	87	78	96	75
TX	100	100	98	97
ALL	84	74	77	76

These 5 States produced 96% of the 1995 rice crop.

Crop Progress and Condition

Week Ending October 6, 1996

Sorghum Percent Mature				
	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AR	100	98	98	97
CO	33	24	44	50
IL	54	47	57	78
KS	72	51	56	63
LA	100	100	100	99
MS	100	100	100	99
MO	81	64	62	78
NE	75	48	82	77
NM	40	35	5	30
OK	45	42	19	40
SD	87	76	83	74
TX	88	84	91	86
ALL	76	62	69	72

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

Sorghum Percent Harvested				
	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AR	90	76	88	85
CO	8	1	1	10
IL	4	1	7	20
KS	16	9	7	20
LA	98	97	95	92
MS	91	88	97	88
MO	31	15	44	39
NE	2	0	9	22
NM	0	0	0	6
OK	15	13	6	13
SD	13	7	3	18
TX	65	62	79	76
ALL	32	26	33	40

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

Peanuts Percent Harvested				
	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
AL	40	38	67	64
FL	60	51	NA	NA
GA	43	41	67	62
NC	20	9	29	23
OK	21	8	15	19
SC	41	23	43	41
TX	12	5	16	19
VA	55	20	64	48
ALL	35	28	49	46

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

Corn Percent Mature				
	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
CO	85	59	50	65
GA	100	100	100	100
IL	83	59	96	92
IN	70	53	97	91
IA	85	63	95	89
KS	96	84	86	94
KY	95	85	92	93
MI	54	25	99	62
MN	87	43	99	71
MO	94	88	80	92
NE	91	67	91	89
NC	100	100	100	100
OH	40	15	91	77
PA	58	38	83	55
SD	79	52	86	75
TX	98	96	98	96
WI	48	26	98	67
ALL	80	56	94	84

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

Corn Percent Harvested				
	Oct 6 1996	Prev Week	Prev Year	5-Yr Avg
CO	10	7	0	9
GA	90	87	97	94
IL	15	6	31	30
IN	8	5	32	26
IA	5	3	13	15
KS	32	20	22	50
KY	45	36	65	52
MI	5	2	19	11
MN	6	3	16	11
MO	45	31	32	40
NE	7	3	7	20
NC	71	66	84	74
OH	6	4	15	17
PA	15	9	25	12
SD	6	3	6	16
TX	84	74	83	84
WI	5	2	20	11
ALL	14	9	23	24

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

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	4	19	68	9
AR	2	12	27	41	18
GA	2	5	30	47	16
IL	5	13	40	36	6
IN	3	15	41	37	4
IA	1	4	23	57	15
KS	0	1	12	63	24
KY	1	3	25	54	17
LA	0	3	24	64	9
MI	6	15	36	37	6
MN	2	8	37	47	6
MS	1	5	29	59	6
MO	1	8	34	45	12
NE	0	1	15	52	32
NC	1	8	27	59	5
OH	4	16	41	34	5
SC	0	6	21	60	13
SD	0	3	16	65	16
TN	1	2	17	60	20
ALL	2	8	31	48	11
Prev Wk	3	9	31	46	11
Prev Yr	4	14	36	39	7

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	1	3	9	66	21
GA	2	15	47	30	6
IL	4	11	31	41	13
IN	2	12	41	39	6
IA	1	4	20	57	18
KS	0	1	14	59	26
KY	1	4	20	50	25
MI	7	15	42	32	4
MN	2	7	37	47	7
MO	0	6	25	45	24
NE	1	2	11	57	29
NC	13	26	31	28	2
OH	4	15	42	34	5
PA	1	3	15	51	30
SD	0	3	16	57	24
TX	0	0	8	39	53
WI	1	8	26	52	13
ALL	2	7	26	48	17
Prev Wk	2	7	26	47	18
Prev Yr	2	10	36	46	6

(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 2.7. Topsoil 2% short, 54% adequate, 44% surplus. Corn harvested 79%, 91% 1995, 85% avg. Livestock 2% poor, 23% fair, 49% good, 26% excellent. Continuing showers caused wet conditions to hamper row-crop harvest activities in most areas.

ARIZONA: Cotton defoliation active. Harvest progressed; 20% complete, 14% 1995, 25% avg. Alfalfa harvest 37% light, 7% moderate, 32% active, 24% not being harvested at this time. Condition 2% poor, 7% fair, 55% good, 36% excellent. Central vegetable growers shipped cantaloupe, honeydew, watermelons, mixed greens, green onions. Eastern growers harvested head lettuce, pumpkins, chili peppers, apples. Lemons were picked by central and western citrus growers. Grapefruit harvest underway. Early fall grazing conditions improved across most of State. Lingering monsoonal weather and moderate temperatures helped grasses green. Two-thirds pastures in fair to good condition, mostly in higher elevations. Only one-quarter pastures, primarily in low to mid-elevations showed poor to very poor grazing conditions. Cattle, calves remained in mostly fair condition. Stock water and soil moisture supplies improved substantially with September precipitation. Grasshopper infestations have yet to go away in a few areas.

ARKANSAS: Main farming activities: Defoliating, ginning cotton, seeding cool season forage, preparing for and planting wheat, winter annuals, harvesting cotton, rice, corn, sorghum, soybeans, hay. Soybean harvest was in full swing in many counties. Cotton defoliation continued in numerous counties. Cotton harvest, ginning progressed in several counties. Dumas Cotton Classing Office reported that 70,647 bales had been classed as of October 3, 1996. Lodging in rice fields continued in Monroe County. Wheat planting was reported by several counties. Numerous counties reported rice, corn, sorghum harvests were winding down. Seeding of small grains, cool season pastures was reported by many counties. Fertilizer, lime were applied to pastures in numerous counties. Fall plowing of heavy clay soil was reported by Lee County. Livestock continued to be in good condition across State. Weaning, vaccinating, and selling of cattle continued. Hay harvest was winding down.

CALIFORNIA: Field activities progressed normally under clear skies in most areas. Small grain, winter forage fields were prepared for planting. A few fields of wheat, barley, oats, forage crops were planted. Most growers waited for rainfall before seeding fields. Rice harvest was in full swing, followed by stubble burning, or chopping, discing. Rice blast disease was discovered in some areas of Glenn County. The extent of the damage was still unknown. Cotton defoliation was active in the San Joaquin Valley. Harvest activity slowly gained momentum in the San Joaquin and Sacramento Valleys and began to wind down in the desert counties. Blackeye beans, old crop sugarbeets, corn for grain, silage were harvested. New crop sugarbeets were planted, earlier seeded fields were sprayed for worms. Alfalfa, sudangrass were cut for hay or greenchopped. Raisin grape harvest was winding down, with only 1% of the crop on open trays. Eleven percent was in rolls, 88% had been picked up. Grape picking for fresh market, wine use continued. Granny Smith variety apple harvest remained active. Almond, pistachio, walnut harvests continued. Olive harvest gained momentum. Valencia orange picking remained active. New crop navel orange picking began in Kern County. Cauliflower, broccoli were harvested in Monterey, San Luis Obispo Counties. Lettuce was harvested in the coastal valleys. Carrots were harvested in Fresno County. Garlic harvest was winding down. Processing, fresh market tomatoes were harvested. Some fields were sprayed for worms. Sweet corn was harvested in the Sacramento and San Joaquin Valleys. Green beans were harvested in Tulare County. Sweetpotato harvest continued in the San Joaquin Valley. Harvest of cantaloupe,

honeydew melons started in the Imperial Valley. Bell pepper harvest neared completion in the San Joaquin Valley. Pumpkins were harvested in the San Joaquin and Sacramento Valleys. Egg production was back to normal, with the return of moderate temperatures. Forage quality, availability continued seasonal decline. Supplemental feeding was ongoing. Sheep grazed alfalfa, wheat stubble fields. Calving was reported in some areas.

COLORADO: Days suitable for fieldwork 5.5. Topsoil 3% very short, 10% short, 80% adequate, 7% surplus. Subsoil 8% very short, 15% short, 73% adequate, 4% surplus. Winter wheat 2% very poor, 3% poor, 20% fair, 51% good, 24% excellent. Dry onions 97% harvested, 88% 1995, 85% avg. Sorghum 94% turning color, 92% 1995, 89% avg. Corn silage 88% harvested, 74% 1995, 85% avg. Sugar beets 19% harvested, 2% 1995, 3% avg.; 1% very poor, 2% poor, 24% fair, 58% good, 15% excellent. Summer potatoes 90% harvested, 90% 1995, 90% avg. Fall potatoes 75% harvested, 58% 1995, 58% avg. Dry beans 99% cut, 83% 1995, 88% avg.; 90% harvested, 62% 1995, 74% avg. Alfalfa hay 84% 3rd cutting, 83% 1995, 80% avg.; 18% 4th cutting, 18% 1995, 25% avg.; 3% very poor, 5% poor, 18% fair, 59% good, 15% excellent.

DELAWARE: Days suitable for fieldwork 6.0. Topsoil 5% short, 95% adequate. Subsoil 4% short, 95% adequate, 1% surplus. Corn 2% poor, 6% fair, 82% good, 10% excellent; 82% mature, 100% 1995, 97% avg.; 42% harvested for grain, 76% 1995, 56% avg.; 86% harvested for silage, 99% 1995, 97% avg. Soybeans 3% poor, 30% fair, 63% good, 4% excellent; 59% turned, 87% 1995, 73% avg.; 41% shedding leaves, 74% 1995, 49% avg.; 5% harvested, 7% 1995, 6% avg. Sorghum 2% poor, 30% fair, 66% good, 2% excellent; 73% mature, 83% 1995, 57% avg.; 8% harvested, 17% 1995, 9% avg. Lima beans 90% harvested, 93% 1995, 88% avg. Apples 80% harvested, 82% 1995, 72% avg. Alfalfa hay 74% 4th cutting, 72% 1995, 83% avg. Other hay 94% 3rd cutting, 100% 1995, 94% avg.; 58% 4th cutting, 16% 1995, 31% avg. Barley 28% planted, 15% 1995, 24% avg. Hay supplies 2% very short, 29% short, 67% adequate, 2% surplus. Activities: Harvesting field crops and hay, planting small grain crops.

FLORIDA: Topsoil moisture is mostly adequate to surplus throughout State. Peanut harvest is 60%. Tobacco marketing winding down. Corn for grain harvest winding down. Cotton harvest, haying delayed by wet weather. Soybean growers making preparations to start harvest. Peanuts very poor 2%, poor 26%, fair 30%, good 36%, excellent 6%. Rainfall interrupted fieldwork in the major vegetable areas. Wind gusts tossed plants, blew plastic in some localities. Vegetables harvested between showers: Tomatoes, sweet corn, cucumbers, pickles, okra, cherry tomatoes, squash, snap beans. Citrus very good to excellent condition. Moisture was adequate, temperatures were mild, and new growth continued. New crop fruit are making good progress. Color break showing on some early fruit. Testing continues for early harvest. Packing of early fruit slowly increasing. Caretakers cutting cover crops, spraying, herbiciding, pushing dead trees, resetting new trees. Pasture feed poor 5%, fair 20%, good 70%, excellent 5%. Cattle herds fair 15%, good 80%, excellent 5%.

GEORGIA: Days suitable for fieldwork 2.1. Soil moisture 3% short, 53% adequate, 44% surplus. Hay 1% very poor, 7% poor, 31% fair, 58% good, 3% excellent. Peanuts 62% dug, 85% 1995, 78% avg. Rye 18% planted, 30% 1995, 23% avg. Wheat 31% fair, 69% good. Other small grains 9% planted, 15% 1995, 14% avg. Apples 5% fair, 95% good; 86% harvested, 81% 1995, 79% avg. Pecans 1% very poor, 11% poor, 39% fair, 41% good, 8% excellent; 1% harvested, 2% 1995, 3% avg. All areas of the State had substantial rainfall. Major crop areas had a surplus. There was very little fieldwork

accomplished. Crop conditions declined. The cool, wet weather came at a most inopportune time for harvesting row-crops, preparing seedbeds, planting small grains. Activities: Cutting hay, overseeding pastures, mowing cotton stalks, taking nematode samples, spraying fungicides on squash, cleaning equipment, waiting for the weather to improve.

HAWAII: Clear skies, light winds beneficial to farming. However, light rainfall cause for concern. Another major vegetable area placed under voluntary water cutback. Papaya harvesting active; orchard in need of rain. Banana production steady, good progress, with warm weather. Head cabbage supplies moderate to heavy, quality varies. Persimmon harvesting started, smaller crop expected. Ginger root harvesting to start soon.

IDAHO: Days suitable for fieldwork 6.9. Topsoil 2% very short, 51% short, 47% adequate. Potatoes harvested 52%, 42% 1995, 56% avg. Alfalfa harvested (3rd cutting) 87%, 90% 1995, 86% avg. Sugar beets harvested 12%, 18% 1995, 19% avg. Oats harvested for grain 94%, 97% 1995, 97% avg. Corn harvested for silage 86%, 80% 1995, 74% avg. Corn harvested for grain 7%, 4% 1995, 10% avg. Dry beans harvested 93%, 78% 1995, 86% avg. Hops harvested 100%, 99% 1995, 99% avg. Onions harvested 89%, 71% 1995, 81% avg. Apples harvested 38%, 32% 1995, 45% avg. Prunes, plums harvested 98%, 95% 1995, 98% avg. Pasture feed, range 2% very poor, 28% poor, 45% fair, 24% good, 1% excellent. Irrigation water supply 1% poor, 15% fair, 55% good, 29% excellent. Activities: Seeding winter wheat, fall barley, moving livestock down from the summer ranges, harvesting potatoes, sugar beets, apples, corn for silage, corn for grain.

ILLINOIS: Days suitable for fieldwork 6.2. Topsoil 3% very short, 30% short, 65% adequate, 2% surplus. Corn harvest gained momentum throughout the State last week. Soybean harvest made good progress in the central districts. Rain was still needed throughout the State for pastures. Soybeans 91% turning yellow, 97% 1995, 98% avg. Sorghum 95% coloring, 79% 1995, 94% avg. Pasture feed 3% excellent, 33% good, 35% fair, 19% poor

INDIANA: Days suitable for fieldwork 5.4. Topsoil 2% very short, 15% short, 77% adequate, 6% surplus. Subsoil 3% very short, 23% short, 70% adequate, 4% surplus. Ideal weather conditions during the week allowed Hoosier farmers to make good progress harvesting corn, soybeans. Average moisture content of harvested corn 29%, soybeans 14%. Early reports indicate only minimal damage to crops from the first frost which occurred last week. Percentage of corn mature by region: 71% north, 66% central, and 78% south. Soybeans 48% mature, 88% 1995, 86% avg. Tobacco harvest 92% complete, 97% 1995, 96% avg. Harvest of apples continues. Hay supplies short, some areas. Activities: Filling silos, fall tillage, seeding winter wheat, equipment maintenance, cleaning grain bins, seeding alfalfa, cutting hay, care of livestock.

IOWA: Days suitable for fieldwork 3.8. Topsoil moisture very short 1%, short 7%, adequate 77%, surplus 15%. Subsoil moisture very short 2%, short 21%, adequate 71%, surplus 6%. Producers made good progress on the soybean harvest thanks to last week's excellent fall weather. Comments on yields in the early stages of 1996 corn, soybean harvests coming in mixed. Remarks on soybean yields favorable, with most reporters saying that yields ranging from the low 40s to the 60s. Only a few comments on corn yields received, they ranged from 110 bpa to 130 bpa. A hard frost hit northern, parts of central areas on the 2nd, 3rd of October halting the growing season in those areas of the State. The percentage of moisture in corn in the field averaged 34%, while the percentage moisture of harvested corn averaged 29%. Soybeans leaves turning color 97%, 99% 1995, 99% avg. Winter wheat planted 45%, 56% 1995, 48% avg. No problems were reported with livestock.

KANSAS: Days suitable for fieldwork 5.6. Topsoil 3% short, 87% adequate, 10% surplus. Subsoil 7% short, 86% adequate, 7% surplus. Fair weather across the State the past week allowed rapid progress on wheat seeding, fall harvest. Seeding of wheat, harvest

remain slightly behind average progress. Fall crops remain mostly in good to excellent condition. Activities: seeding wheat, fall harvest.

KENTUCKY: Days suitable for fieldwork 3.8. Topsoil 4% short, 79% adequate, 17% surplus. Subsoil 10% short, 79% adequate, 17% surplus. Major activities corn, soybean harvesting, cutting, housing, stripping tobacco. Burley tobacco 94% cut, 99% 1995, 96% avg. Housed tobacco 1% very poor, 2% poor, 24% fair, 61% good, 12% excellent. Soybean harvest picking up, 63% safe from frost damage. Corn yields reported mostly good. Pasture feed 1% very poor, 10% poor, 32% fair, 47% good, 10% excellent.

LOUISIANA: Days suitable for fieldwork 3.8. Soil moisture 4% short, 59% adequate, 37% surplus. Cotton harvest resumed to a limited degree, but quality suffered due to inclement weather. Hay 99% second cutting, 82% 1995, 89% avg. Hay harvest resumed as fields dried. Pecans 4% very poor, 3% poor, 45% fair, 46% good, 2% excellent; 1% harvested, 1% 1995, 4% avg. Soybeans 94% turning color, 89% 1995, 82% avg. Soybean growers continued to make progress harvesting despite wet conditions. Sugarcane 6% poor, 30% fair, 52% good, 12% excellent; 77% planted, 99% 1995, 89% avg.; 0% harvested, 1% 1995, 2% avg. Wet conditions delayed the completion of sugarcane planting. Recent rains lodged some sugarcane. Sweetpotatoes 2% poor, 17% fair, 76% good, 5% excellent; 54% harvested, 61% 1995, 61% avg. Wheat 8% planted, 2% 1995, 4% avg.; 3% emerged, 0% 1995, 1% avg. Livestock 3% poor, 23% fair, 68% good, 6% excellent. Vegetables 13% poor, 44% fair, 42% good, 1% excellent. Strawberry growers were putting down black plastic in their fields. Pasture feed 2% poor, 30% fair, 62% good, 6% excellent.

MARYLAND: Days suitable for fieldwork 5.3. Topsoil 1% short, 89% adequate, 10% surplus. Subsoil 1% short, 91% adequate, 8% surplus. Corn 2% poor, 12% fair, 56% good, 30% excellent; 93% mature, 98% 1995, 92% avg.; 38% harvested for grain, 68% 1995, 47% avg.; 83% harvested for silage, 89% 1995, 83% avg. Soybeans 3% poor, 22% fair, 56% good, 19% excellent; 76% turning, 90% 1995, 82% avg.; 46% shedding leaves, 70% 1995, 59% avg. Sorghum 11% poor, 17% fair, 61% good, 11% excellent; 87% mature, 74% 1995, 78% avg.; 14% harvested, 39% 1995, 19% avg. Apples 47% harvested, 61% 1995, 63% avg. Alfalfa hay 75% 4th cutting, 85% 1995, 82% avg.; 7% 5th cutting, 5% 1995, 21% avg. Other hay 82% 3rd cutting, 97% 1995, 77% avg.; 46% 4th cutting, 51% 1995, 38% avg. Hay supplies 1% very short, 12% short, 85% adequate, 2% surplus. Barley 45% planted, 46% 1995, 35% avg. Rye 22% planted, 32% 1995, 30% avg. Wheat 8% planted, 6% 1995, 8% avg. Activities: Harvesting field crops, hay, planting small grains.

MICHIGAN: Days suitable for fieldwork 5.5. First hard frost hit many parts of the State. Some field crops still needed more time to mature due to late plantings. Temperatures over all the week were lower than usual. Topsoil moisture throughout the State was adequate, reported as 3% very short, 12% short, 81% adequate, 4% surplus. Subsoil 4% very short, 28% short, 65% adequate, 3% surplus. Dry beans, leaves shedding 98%, 100% 1995, 100% avg.; condition 9% very poor, 17% poor, 35% fair, 30% good, 9% excellent. All hay 3rd cutting 86%, 99% 1995, 85% avg.; All hay 4th cutting 25%, 45% 1995, 34% avg.; All hay 6% very poor, 17% poor, 33% fair, 37% good, 7% excellent. Sugar beets, harvested 1%, 4% 1995, 10% avg. Potatoes harvested 73%, 94% 1995, 78% avg. Pasture for feed condition 4% very poor, 22% poor, 36% fair, 33% good, 5% excellent

MINNESOTA: Days suitable for fieldwork 5.3. Topsoil 7% very short, 27% short, 61% adequate, 5% surplus. Corn 87% mature, 99% 1995, 71% avg.; 6% harvested, 16% 1995, 11% avg.; 86% silage cut, 84% 1995, 69% avg.; 31% moisture content, 26% 1995, 28% avg. Soybeans 99% shedding leaves, 99% 1995, 89% avg.; 84% mature, 91% 1995, 74% 5 yr. avg.; 20% harvested, 16% 1995, 27% avg.; 14% moisture content, 14% 1995, 14% avg. Dry beans 88% harvested, 61% 1995, 76% avg. Potatoes 62% harvested, 57% 1995, 66% avg. Stubble plowed 72%, 74% 1995, 72% avg. Flax 81% harvested, 96% 1995, 74% avg. Sugar beets 44% harvested, 15% 1995, 33% avg. Pasture feed 7% very poor, 30% poor, 37%

fair, 25% good, 1% excellent. Corn 2% very poor, 7% poor, 37% fair, 47% good, 7% excellent. Soybeans 2% very poor, 8% poor, 37% fair, 47% good, 6% excellent.

MISSISSIPPI: Days suitable for fieldwork 5.4. Soil moisture 1% very short, 13% short, 75% adequate, 11% surplus. Corn 94% harvested, 97% 1995, 81% avg. Soybeans 93% turning color, 93% 1995, 86% avg.; 72% shedding leaves, 81% 1995, 64% avg.; 31% harvested, 45% 1995, 24% avg.; 1% very poor, 5% poor, 29% fair, 59% good, 6% excellent. Wheat 15% planted, 13% 1995, 13% avg.; hay (Warm Season) 100% harvested, 100% 1995, NA avg.; peanuts 75% harvested, 77% 1995, 82% avg.; 4% fair, 59% good, 37% excellent. Sweet potatoes 65% harvested, 69% 1995, 65% avg.; 2% very poor, 12% poor, 24% fair, 45% good, 17% excellent. Cattle conditions 1% very poor, 3% poor, 25% fair, 61% good, 10% excellent. Pasture feed 1% very poor, 6% poor, 31% fair, 53% good, 9% excellent. Main farming activities: Harvesting row-crops, hay. Cooler weather has slowed defoliation of later planted cotton. Cattlemen are busy planting winter grasses.

MISSOURI: Days suitable for fieldwork 5.6. Topsoil 7% short, 83% adequate, 10% surplus. Week of clear skies, dry weather allowed Missouri farmers to resume row-crop harvesting last week. Favorable reports of early corn yields have been common, while, generally speaking, the most favorable row-crop conditions are found across the northwestern, north-central, and west-central areas of the State. All districts report 95% of more of the corn crop as mature, except the northeastern district which reports 76% mature. Nearly all of the corn crop has been harvested across the southern portion of the State, followed by about 45% across the central third, about 30% northern third. Eighty-three percent of the soybean crop is turning color, 35% mature, both about 1 week behind norm. Bootheel, southwestern districts lead the State with nearly half of the sorghum crop harvested. Pasture feed ranged 2% very poor, 13% poor, 37% fair, 41% good, and 7% excellent, and improved in recent weeks due largely to needed rainfall and cooler weather.

MONTANA: Days suitable for fieldwork 6.2. Topsoil 9% very short, 36% short, 55% adequate. Subsoil 27% very short, 47% short, 26% adequate. Weather allowed a good week for winter wheat seeding. Farmers making good progress on the row-crop harvest. Corn for silage 86% harvested, 92% 1995, 89% avg. Sugar beets 25% harvested, 17% 1995, 16% avg. Dry beans 93% harvested, 97% 1995, 90% avg. Potatoes 34% harvested, 24% 1995, 43% avg. Cattle, calves moved from summer ranges 34%. Sheep, lambs moved from summer ranges 47%.

NEBRASKA: Days suitable for fieldwork 6.6. Topsoil 4% short, 93% adequate, 3% surplus. Subsoil 5% short, 92% adequate, 3% surplus. A week of light precipitation, near-normal temperatures pushed spring planted crops toward maturity, dropped the flag on fall harvest season. By week's end harvest activities were in full swing for soybeans, while corn, sorghum harvest were limited due to high grain moisture level. Corn 91% mature, 91% last year, 89% avg.; 7% harvested, 7% 1995, 20% avg.; dry weather last week assisted crop dry down, although most corn remained to wet for harvest. Soybeans 94% dropping leaves, 95% 1995, 96% avg.; 22% harvested, 18% 1995, 45% avg. Sorghum 75% mature, 82% 1995, 77% avg.; 2% harvested, 9% 1995, 22% avg. Dry beans 90% harvested, 76% 1995. Alfalfa 1% very poor, 4% poor, 30% fair, 56% good, 9% excellent; 61% 4th cutting, 71% 1995. Wheat 88% sown, 90% 1995, 94% avg.; 49% emerged, 65% 1995, 72% avg. producers in parts of the south and southwest were finally able to enter the fields last week after wet weather delayed planting; producers were concerned about later plantings developing sufficient growth before entering dormancy. Pasture feed, range on 5% poor, 16% fair, 53% good, excellent. Activities: preparing equipment for harvest, harvesting corn silage, millet, potatoes.

NEVADA: Indian Summer weather remained prevalent, with temperatures averaging much above normal. Temperatures averaged 3 degrees above normal in the extreme south; 7 degrees above in the northwest. Scattered thunderstorms crossed the northern part of the State early in the week. Precipitation totaled 0.26 inches at Yerington, 0.09 inches at Winnemucca, 0.02 inches at

Lovelock. Winter wheat, barley seeding well along. Silage corn harvest completed. Alfalfa third cutting nearly complete north, fourth cutting continues central, fifth cutting complete extreme south. Planting of new alfalfa stands cover continues. Alfalfa seed harvest completed. Sudan harvest continues extreme south. Potato harvest in full swing; crop condition good. Onion harvest in full swing; crop condition good to excellent. Garlic planting underway. Livestock mostly on fall pastures, some grazing sudan extreme south. Pregnancy testing cows, weaning calves. Drought continues in the south and southeast. Main farm and ranch activities: haying, potato digging, onion harvest, fall planting, moving livestock.

NEW ENGLAND: Days suitable for fieldwork 6.5. Topsoil 16% short, 78% adequate, 6% surplus. Subsoil 2% very short, 11% short, 82% adequate, 5% surplus. Pasture feed 9% poor, 44% fair, 43% good, 4% excellent. Maine potatoes 75% harvested, 80% 1995, 75% avg., condition good. Massachusetts potatoes 80% harvested, 90% 1995, 90% avg., condition good. Rhode Island potatoes 70% harvested, 100% 1995, 85% avg., condition excellent. Maine oats 95%, 99% harvested 1995, 95% avg., condition good. Maine barley 95%, 99% harvested 1995, condition good. Silage corn 55% harvested, 80% harvested 1995, 60% avg., condition good. Sweet corn 99% harvested, 99% 1995, 99% avg., condition good. Second hay 90% harvested, 99% 1995, 99% avg., condition good/excellent. Third cut hay 70% harvested, 85% 1995, 80% avg., condition good/excellent. Apples 65% harvested, 80% 1995, 70% avg., size average/above average, condition good/excellent. Peaches 100% harvested, 100% 1995, size average, condition good. Pears 75% harvested, 95% harvested 1995, size average, condition good. Cranberries 40% harvested, 50% 1995, size average/above average, condition good/excellent. Highbush blueberries 99% harvested, 100% 1995, size average, condition good/excellent. Major farm activities: Harvesting corn silage, potatoes, apples, cranberries. Hard frosts throughout most of region ended growing season.

NEW JERSEY: Days suitable for fieldwork 6. Topsoil mostly adequate. Moderate supply of cabbage, endive, escarole, lettuce (all types), parsley, herbs available. Moderate supply of beans, peppers, eggplant, squash (all types) available. Light supply of cucumbers, tomatoes, spinach are available. Apple harvest continues. Cranberry harvest is increasing. Light harvest of early planted soybeans reported. Corn for silage is midway through harvest in most areas. Corn for grain harvest is increasing. Pastures look good.

NEW MEXICO: Days suitable for fieldwork 6.2. Soil moisture 1% very short, 29% short, 68% adequate, 2% surplus. Winter wheat planting 95% complete; 9% poor, 40% fair, 47% good, 4% excellent. Corn 28% fair, 51% good, 21% excellent. Harvest completion for grain is 28%, for silage is 90%. Cotton 3% poor, 37% fair, 46% good, 14% excellent; cotton bolls opening 92%, 80% 1995, 83% avg. Sorghum 1% very poor, 51% poor, 26% fair, 21% good, 1% excellent; coloring 75%, 82% 1995, 90% avg.; mature 35%. Alfalfa 1% very poor, 9% poor, 33% fair, 52% good, 5% excellent; 5th cutting 90% complete. Chile 2% poor, 16% fair, 74% good, 8% excellent; green chile harvest 92% complete, red is 19% complete. Lettuce 9% fair, 81% good, 10% excellent. Pecan 24% fair, 68% good, 8% excellent. Cattle 2% very poor, 4% poor, 31% fair, 57% good, 6% excellent; sheep 11% very poor, 11% poor, 30% fair, 45% good, 3% excellent. Range, pasture feed 4% very poor, 11% poor, 32% fair, 45% good, 8% excellent.

NEW YORK: Days suitable for fieldwork 5.4. Soil moisture 47% adequate, 53% surplus. Pasture feed 33% fair, 61% good, 6% excellent. Corn condition fair to mostly good. Corn silage 48% harvested, 82% 1995, 52% avg. Corn grain 5% harvested, 18% 1995, 6% avg. Alfalfa 3rd cutting 86% harvested, 99% 1995, 87% avg. Potato, dry bean, soybean harvest gained momentum. Drier weather, frost aided progress. Onion digging continued. Late sweet corn harvest. Pumpkin harvest in full gear. Grape, apple harvest in full swing.

NORTH CAROLINA: Cool weather across the State welcomes the incoming fall planting season. Harvesting of most crops is proceeding on schedule, planting has begun in most regions. Soil

moisture 1% short, 59% adequate, 40% surplus. Days suitable for fieldwork 3.8. Hay 3rd cutting 65%, 59% 1995, 64% avg. Corn silage harvested 91%, 82% 1995, 88% avg. Burley tobacco harvested 91%, 95% 1995, 92% avg. Apples harvested 69%, 68% 1995, 61% avg. Sorghum harvested 42%, 34% 1995, 43% avg. Sweetpotatoes harvested 32%, 38% 1995, 37% avg. Hay 3% poor, 29% fair, 65% good, 3% excellent. Activities included: repairing storm damage; cultivating crops; planting small grains; defoliating cotton; marketing flue-cured tobacco; harvesting burley tobacco; harvesting corn, peanuts, sorghum, apples, sweetpotatoes; cutting and baling hay; maintaining pastures; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 5. A hard freeze during the week stopped all crop development, while dry weather allowed producers to resume harvest, fertilizer, herbicide application, fall tillage. Topsoil 1% very short, 14% short, 82% adequate, 3% surplus. Subsoil 4% very short, 28% short, 65% adequate, 3% surplus. After being slowed by wet conditions, harvest activity resumed. Some small grains remained for harvest, mainly in the north. Harvest of most late season crops was behind average, though rapid progress was made on potatoes and sugarbeets. Durum 88% combined; 97% 1995; 95% avg. Late season crop development: Canola 89% harvested; flaxseed 78% harvested; 83% 1995; 78% avg.; corn for grain 93% ripe and beyond, 4% harvested; 96%, 13% 1995; 72%, 20% avg.; corn for silage 84% chopped; 85% 1995; 84% avg.; dry edible beans 80% harvested; 86% 1995; 74% avg.; soybeans 43% harvested; 53% 1995; 53% avg.; sunflowers 96% bracts turned brown and beyond, 5% harvested; 98%, 14% 1995, 86%, 12% avg.; potatoes 77% dug; 77%, 1995; 84% avg.; sugarbeets 46% lifted; 17% 1995; 36% avg. Condition of corn for grain, soybean, sugarbeet, potato crops improved from a week ago, sunflowers declined. Crop condition: corn for grain 17% poor, 29% fair, 44% good, 10% excellent; soybeans 24% poor, 36% fair, 34% good, 6% excellent; sunflower 3% poor, 24% fair, 58% good, 15% excellent; sugar beets 5% poor, 12% fair, 68% good, 15% excellent; potatoes 1% poor, 6% fair, 67% good, 26% excellent.

OHIO: Days suitable for fieldwork 4.9. Topsoil moisture 6% short, 83% adequate, 11% surplus. Alfalfa hay 4th cutting 60%. Other hay 4th cutting 55%. Processing tomato harvest advanced to 94%; 100% 1995, 94% normal. Apple harvest progressed to 59% complete. Grapes harvested is at 71%. Potatoes dug is at 65%; 81% 1995; 79% normal. Harvest continues on tobacco, peppers, pumpkins. Livestock 3% poor, 30% fair, 57% good, 10% excellent.

OKLAHOMA: Days suitable for fieldwork 4.8. Topsoil 2% short, 91% adequate, 7% surplus. Subsoil 1% short, 95% adequate, 4% surplus. Oats 38% planted, 38% 1995, 36% avg.; 2% up-to-stand, 7% 1995, 15% avg. Corn 85% mature, 87% 1995, 97% avg.; 75% harvested, 60% 1995, 84% avg. Soybeans 74% mature, 50% 1995, 58% avg.; 23% harvested, 22% 1995, 21% avg. Peanuts 62% mature, 53% 1995, 64% avg.; 5% combined, 2% 1995, NA avg.; alfalfa 2% very poor, 1% poor, 20% fair, 68% good, 9% excellent; 89% 4th cutting, 86% 1995, 91% avg.; 22% 5th cutting, 20% 1995, 35% avg. Livestock 1% poor, 12% fair, 77% good, 10% excellent. Feeder steers, heifers were steady to slightly higher.

OREGON: Days suitable for fieldwork 6.7. Topsoil 15% very short, 55% short, 30% adequate. Subsoil 8% very short, 58% short, 34% adequate. Barley planted 8%, 16% 1995, 28% avg. Activities: Fall small grain field preparation, seeding continued, late hay harvest continued statewide. Spring small grain harvest completed. Field corn silage harvest underway in the Willamette Valley. Mint harvest winding down, central sections. Fall nursery, greenhouse planting, digging, container movement in full swing. Easter lily bulb harvest, shipping of bulbs underway at the southern coast. Potato harvest underway statewide bulbs underway at the southern coast. Potato harvest underway. Willamette Valley: Sweet corn, table beets, squash, cole crops, onion, pumpkin harvest continued; caneberry pruning, training continued; strawberry field preparations for new plantings underway; some fall raspberries, strawberries being harvested. Hazelnut drop continued; grape harvest preparations underway. Cranberry harvest started at the southern coast, apple harvest continued, statewide. Pear harvest continued in the Hood

River and Rogue River Valleys. Cattle, sheep continued good-excellent. Seasonal cattle movement about finished. Cattle weaning continued. Eastern ranges dry, still some forage. Western pastures started fall regrowth.

PENNSYLVANIA: Days suitable for fieldwork 4.3. Soil moisture 2% short, 67% adequate, 31% surplus. Frost over much of State last week. No widespread concern about major damage to corn crop. Frost brought season to end for most vegetable crops. Corn silage harvest very active, advanced to ahead of normal. Yields were good. Harvesting potatoes around wet areas in fields. Some soybeans harvested. Haymaking difficult. Ensilage corn harvest 66% complete, 83% 1995, 65% avg. Soybean harvest 2% complete, 8% 1995, 7% avg.; 2% poor, 17% fair, 60% good, 21% excellent. Potato harvest 65% complete, 63% 1995, 73% avg. Fall plowing 57% complete, 44% 1995, 63% avg. Wheat planted 48% complete, 31% 1995, 50% avg.; emerged 23% complete. Barley planted 58% complete, 58% 1995, 69% avg.; emerged 39% complete. Alfalfa 3rd cutting 91% complete, 82% 1995, 87% avg.; 4th cutting 54% complete, 40% 1995, 55% avg. Quality of hay made 3% very poor, 17% poor, 43% fair, 31% good, 6% excellent. Grape harvest 70% complete, 63% 1995, 65% avg. Apple harvest 61% complete, 63% 1995, 66% avg. Activities: Making hay and haylage; harvesting corn, corn silage, potatoes; seeding barley, wheat, alfalfa; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Soil moisture 3% very short, 14% short, 72% adequate, 11% surplus. Days suitable for fieldwork 5.1. Corn 96% harvested, 95% 1995, 92% avg.; 3% very poor, 20% poor, 30% fair, 42% good, 5% excellent. Sorghum 64% harvested, 51% 1995, 52% avg.; 1% poor, 55% fair, 43% good, 1% excellent. Sweetpotatoes 28% harvested, 26% 1995, 39% avg.; 11% poor, 42% fair, 47% good. Tobacco 100% harvested, 100% 1995, 99% avg.; 73% stalks destroyed, 90% 1995, 82% avg. Apples 74% harvested, 71% 1995, 79% avg.; 30% very poor, 35% poor, 20% fair, 15% good. Small grains planting ahead of normal; fair to good condition.

SOUTH DAKOTA: Days suitable for fieldwork 4.2. Topsoil 2% short, 85% adequate, 13% surplus. Subsoil 1% very short, 5% short, 82% adequate, 12% surplus. Wet fields from the last two week's storms kept fieldwork at a near standstill till midweek in many areas. Silage cutting, winter wheat seeding resumed during the week. Warm, sunny weather is needed to dry fields and lower grain moisture for row-crop harvest. Rain was about a month too late to help much with yield potential, was beneficial for pastures, winter grains. Corn silage harvested 74%, 72% 1995, 74% avg. Sorghum silage harvested 52%, 46% 1995, 63% avg. Soybeans 78% mature, 67% 1995, 76% avg. Sunflowers 82% mature, 78% 1995, 80% avg. Sunflowers 6% poor, 22% fair, 47% good, 25% excellent. Winter rye 70% planted, 98% 1995, 94% avg.; 57% emerged, 85% 1995, 80% avg. Ranchers are moving livestock, hay home to winter-feeding areas. Feed supplies 2% short, 84% adequate, 14% surplus. Livestock 1% poor, 8% fair, 64% good, 27% excellent. Stockwater supplies 4% short, 81% adequate, 15% surplus.

TENNESSEE: Days suitable for fieldwork 4.0. Topsoil 3% short, 75% adequate, 22% surplus. Subsoil 5% short, 80% adequate, 15% surplus. Corn 78% grain harvested, 89% 1995, 65% avg. Tobacco 94% burley harvested, 94% 1995, 95% avg.; 13% burley stripped, 16% 1995, 12% avg.; 97% air-cured harvested, 100% 1995, 96% avg.; 95% dark fire-cured harvested, 100% 1995, 97% avg. Sorghum 95% mature, 100% 1995, 98% avg.; 48% harvested, 83% 1995, 70% avg. Wheat 18% seeded, 18% 1995, 15% avg. Pasture feed 2% poor, 21% fair, 65% good, 12% excellent.

TEXAS: Cool nights and mild days occurred nearly all areas of the state last week. Rainfall was light in most areas. However, at the end of the week a tropical storm in the Gulf brought very heavy rains in parts of the south and Rio Grande Valley, with some localized flooding reported. Crop maturity was slow in the plains, with cool weather. Harvest is slowly increasing with open conditions. Harvest also continued without much delay in the central areas. Armyworms continued to plague pastures in many areas. The cooler nights slowed activity slightly. Livestock remained in good condition. Haying activity again was active in many areas.

Crops: Progress is good in most emerged fields during the week. Planting activity continued most of the week. Wheat fields in High Plains will soon have enough forage for grazing. A few early fields already have stockers grazing. Some producers are treating for armyworms. Corn harvest continued in the High Plains where yields have been good. Grain sorghum: Cool nights continued to slow crop maturing in the High Plains. Harvest continued in early-planted fields, but most fields are behind in maturity. Cotton bolls continued to open in the Plains where more harvest aids were applied during the week. A few fields were harvested during the week. Harvest continued in the Blacklands. Quality gone down with the recent rain. Drying conditions along the Upper Coast allowed producers to resume harvest. Peanuts: Harvest increased in the Plains during the week. Harvest is also getting underway in the south-central areas. Soybean harvest resumed along the Upper Coast as conditions were drying out. Harvest also continued in the north-central areas. Plants were dropping leaves in the High Plains as harvest nears.

Commercial Vegetables: In the Rio Grande Valley, the fall melon crop looks good. Planting cabbage continued. Late-week heavy rains may have caused some losses. San Antonio- Winter Garden, fall melons were making good progress. In the east, sweetpotato harvest continued. Fall crops are up and making good progress. In the High Plains, pepper and pumpkin harvest continued. In Trans-Pecos, bell pepper harvest increased. Pecans scab and shuckworms continued to cause problems in many areas. Native pecans are opening, harvest will begin soon in some areas. Leaves are beginning to turn color and will begin to drop off as cooler weather sets in.

Range and Livestock: Producers continued to fight heavy armyworm activity in many areas. Haying activity is active across the State usually by mid day as conditions dried. Growth of pasture grasses slowed because of the cooler temperatures at night. Some stockers placed on earlier wheat fields in the Plains.

UTAH: Days suitable for fieldwork 6.8. Topsoil 23% very short, 44% short, 33% adequate. Subsoil 23% very short, 42% short, 35% adequate. Winter wheat seeded 75%, 83% 1995, 82% avg.; emerged 61%, 45% 1995, 44% avg. Corn in dough stage 91%, 85% 1995; dent stage 80%, 54% 1995; maturity 65%, 22% 1995, 65% avg.; harvested for grain 15%, 2% 1995, 17% avg.; harvested for silage 80%, 39% 1995, 73% avg. Onions harvested 80%, 63% 1995, 75% avg. Potatoes harvested 53%, 13% 1995, 56% avg. Alfalfa hay 3rd cutting 95%, 94% 1995, 91% avg. Alfalfa hay 4th cutting 51%, 39% 1995, 60% avg.; seed harvested 36%, 34% 1995, 78% avg. Apples picked 32%, 59% 1995, 60% avg. Pears picked 93%, 99% 1995. Range, pasture feed 11% very poor, 23% poor, 49% fair, 17% good. Cattle moved from summer range 64%, 37% 1995, 58% avg. Sheep moved from summer range 71%, 36% 1995, 63% avg. Major farm, ranch activities: Harvesting onions, corn for grain, corn for silage, planting winter grains, moving livestock.

VIRGINIA: Days suitable for fieldwork 4.1. Topsoil 1% short, 84% adequate, 15% surplus. Subsoil 2% short, 88% adequate, 10% surplus. Corn 90% mature, 1995 99%, 98% avg.; 35% grain harvested, 1995 67%, 62% avg.; 80% silage harvested, 1995 93%, 87% avg. Cotton 8% harvested, 1995 23%. Soybeans 3% harvested, 1995 5%, 6% avg.; 8% poor, 15% fair, 55% good, 22% excellent. Peanuts 55% dug, 1995 64%, 48% avg.; 25% combined, 1995 46%, 34% avg.; 30% fair, 60% good, 10% excellent. Fire cured tobacco 100% harvested, 99% 1995, 100% avg. Flue cured tobacco 88% harvested, 94% 1995, 93% avg. Burley tobacco 90% harvested, 98% 1995, 97% avg. Sun cured tobacco 100% harvested, 100% 1995, 100% average. Livestock 9% fair, 61% good, 30% excellent. Pasture feed 1% poor, 11% fair, 69% good, 19% excellent. Fall apples 60% harvested, 50% 1995; winter apples 25% harvested. Barley 20% seeded, 17% 1995, 27% avg. Oats 25% seeded, 21% 1995, 35% avg. Winter wheat 4% seeded, 1995 10%, 10% avg.; Activities: First frost Appalachian, some Piedmont, temperatures dipped below 30 degrees. Locally, wet fields slowed silage harvest, which delayed small grain seeding. Some producers preparing fields, sowing small grains. Hay, corn for grain actively harvested. Cotton defoliation continues, picking just beginning. Peanut digging, combining rapidly advanced with improved weather conditions. Fall apple harvest continues, will conclude about two

weeks early. Tomatoes, cucumbers, snapbeans harvest continues. Livestock producers marketing feeder calves.

WASHINGTON: Days suitable for fieldwork 6.3. Topsoil 30% short, 70% adequate; subsoil 34% short, 66% adequate. Winter wheat, dryland 7% poor, 33% fair, 60% good; irrigated, 100% good. Seeding of winter wheat picked up and moved well ahead of normal. Growers were concerned about top soil moisture shortages for new seedings. Corn grain 3% harvested, 0% 1995, 5% avg.; 100% good. Potatoes 68% harvested, 55% 1995, 57% avg.; 9% fair, 91% good. Dry beans 80% harvested, 63% 1995, 74% avg.; 100% good. Hay, other roughage supplies, 3% short, 83% adequate, 14% surplus. Range, pasture feed, 7% poor, 48% fair, 44% good, 1% excellent. Alfalfa 3rd cutting 99%, 99% 1995, 97% avg.; 4th cutting was progressing well in the Columbia Basin. Corn silage 72% harvested, 55% 1995, 68% avg. Fruit harvest was in full swing. Red Delicious, Golden Delicious, Granny Smith apples were being picked. Asian pears were being harvested in Grays Harbor County. Grape harvest continued in Benton County. Sweet corn, carrots, onions were also being harvested. Lettuce, cabbage harvests were winding down in Pierce and King Counties. Pumpkin harvest was underway.

WEST VIRGINIA: Days suitable for fieldwork 4.2. Topsoil 77% adequate, 23% surplus. Many areas were hit with first frost of season. Winter wheat 24% planted, 14% 1995, 12% avg. Hay second cutting 95%, 99% 1995, 96% avg.; 3rd cutting 57%, 68% 1995, 86% avg. Corn 3% very poor, 1% poor, 10% fair, 78% good, 8% excellent; 95% dent stage, 98% 1995; 65% mature stage, 93% 1995, 95% avg; 8% harvested for grain, 60% 1995, 52% avg. Soybeans 1% very poor, 3% poor, 21% fair, 62% good, 13% excellent; 89% dropping leaves, 96% 1995; 0% harvested, 3% 1995. Tobacco 95% harvested, 97% 1995, 96% avg. Cattle 17% fair, 81% good, 2% excellent. Sheep 9% fair, 88% good, 3% excellent. Activities: Cutting and baling; harvesting apples, corn for grain, and tobacco; chopping silage; seeding barley and wheat; marketing and working livestock; cleaning up from flood and repairing fences.

WISCONSIN: Days suitable for fieldwork 6.3. Soil moisture 19% very short, 40% short, 39% adequate, 2% surplus. With the third lowest temperature in the mid 20s, most of the State received the first killing frost. This brings an end to this year's growing season. Crop conditions varied, from very poor to good, depending upon areas of flooding last spring, areas of drought this summer. Corn silo filling jumped to 63% complete. Farmers had to hurry along their harvesting of corn silage, since frost and dry weather reduced moisture. Most late-planted corn, which did not reach maturity, will be harvested for silage. Third-crop hay harvested was wrapping up with 92% completed. Fourth crop hay is being cut for haylage statewide. Field activities included manure hauling and silage harvesting. Fall tillage was at 12% completed. Soybean acreage had 76% shedding leaves, 90% 1995, and 74% avg. Soybean combining began with 9% of the acreage harvested, 17% 1995. Late-planted soybeans will not reach maturity in some areas of the State. Soybeans had 2% very poor, 9% poor, 31% fair, 49% good, and 9% excellent. A reporter in Lincoln County stated that some potato farmers are done harvesting. More rain is needed in areas where winter wheat has been planted in the east-central and southeastern districts. Apple harvest was in full swing in Dunn and Bayfield Counties, with some indications of yield slightly less than normal. Reporters from the southwestern and south-central districts noted that the apple crop is very good this year. Pasture feed 13% very poor, 21% poor, 37% fair, 28% good, and 1% excellent.

WYOMING: Days suitable for fieldwork 6.6. Topsoil 7% very short, 48% short, 45% adequate or surplus. Subsoil 13% very short, 45% short, 42% adequate. Dry beans 100% windrowed, 95% 1995, 98% avg.; 97% combined, 83% 1995, 81% avg. Corn 95% mature, 83% 1995, 72% avg.; 20% corn for grain harvested, 18% 1995, 21% avg.; corn silage 96% harvested, 86% 1995, 91% avg. Sugarbeets 17% harvested, 20% 1995, 22% avg. Alfalfa 3rd cutting 92% harvested, 69% 1995, 72% avg. Winter wheat seeding for 1997 harvest 92% emerged, 80% 1995, 77% avg. Range, pasture feed 2% very poor, 15% poor, 31% fair, 51% good, 1% excellent. Hay, roughage supplies adequate or surplus 99% State.

September 1996

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE PREDICTION CENTER-NCEP-NWS-NOAA
***=DATA NOT AVAILABLE

International Weather and Crop Summary

September 29 - October 5, 1996

HIGHLIGHTS

FSU-WESTERN: Drier weather helped fieldwork in Ukraine, while wet weather delayed summer crop harvesting and winter grain planting in Russia.

FSU-NEW LANDS: Rain and snow delayed spring grain harvesting in Russia and northern Kazakstan.

EUROPE: Rain halted fieldwork in the west, while mostly dry weather allowed a resumption in fieldwork activities in the southeast.

AUSTRALIA: Soaking rain throughout the east benefited immature winter grains and establishing summer crops.

CANADA: Cold, locally wet weather kept Prairie grain and oilseed harvests well behind schedule in some locations.

SOUTH ASIA: Unseasonably heavy rain possibly caused local flooding of cotton and rice.

SOUTHEAST ASIA: Drier weather aided rice harvesting in Vietnam and the Philippines, while wet weather slowed early rice harvesting in eastern Thailand.

EASTERN ASIA: Widespread rain favored winter grain and oilseed planting across northern and central China.

SOUTH AMERICA: Rain boosted topsoil moisture for summer crop planting across the region and also favored vegetative to reproductive winter wheat in central Argentina.

MEXICO: Widespread showers, partly due to Hurricane Hernan, covered southern and north-central Mexico, boosting reservoir levels.

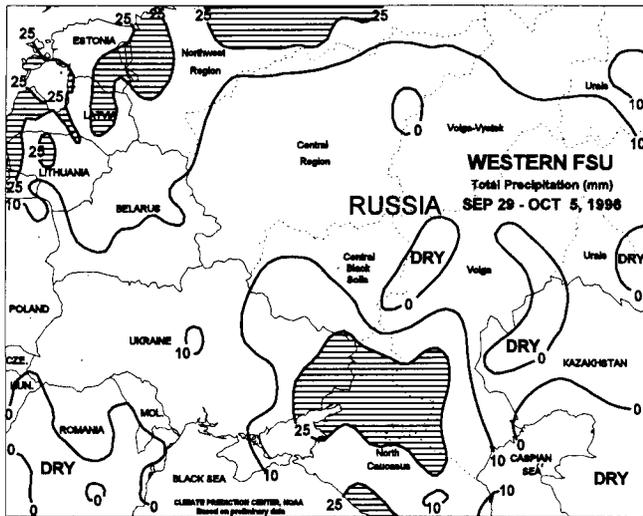
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
	AVG MAX	AVG MIN	HI MAX	LO MIN	AVG	DPART F/NRM	TOTAL	DPART F/NRM
NORWAY OSLO	14	4	20	-2	9	3.2	102	5
SWEDEN STOCKHOLM	15	5	23	-2	10	3.2	27	-26
FINLND HELSINKI	13	5	23	-3	9	2.3	42	-31
U KING GLASGOW	18	9	22	1	13	0.4	46	-52
EDINBURGH	18	9	24	1	14	1.4	13	-54
BIRMINGHAM	18	9	23	1	14	1.1	13	-42
LONDON	18	10	21	3	14	0.4	24	-44
IRELND DUBLIN	17	9	23	4	13	-0.5	17	-49
ICELND REYKJAVIK	12	9	16	5	11	0.3	84	18
DENMRK COPENHAGEN	16	9	22	4	12	1.3	44	-18
LUXEMB LUXEMBOURG	17	8	24	4	12	0.9	32	-36
SWITZL ZURICH	15	8	22	4	11	0.5	50	-45
GENEVA	18	8	24	4	13	0.5	31	-51
FRANCE PARIS/ORLY	19	10	25	6	14	***	30	**
STRASBOURG	18	8	25	3	13	0.8	25	-31
BOURGES	20	9	25	4	14	0.1	34	-27
BORDEAUX	22	11	28	6	17	0.6	81	7
TOULOUSE	22	11	28	6	17	0.2	34	-13
MARSEILLE	23	14	27	9	18	0.1	148	101
SPAIN VALLADOLID	24	10	31	7	17	-0.2	16	-17
MADRID	26	11	32	8	18	-0.6	26	-7
SEVILLE	29	17	35	12	23	-1.9	35	14
PORTUG LISBON	26	16	33	13	21	-0.3	46	20
GERMNY HAMBURG	17	7	21	3	12	2.1	28	-42
BERLIN	16	8	22	5	12	0.9	38	-10
DUSSELDORF	17	9	22	4	13	0.1	31	-31
LEIPZIG	15	8	21	5	12	1.1	37	-9
DRESDEN	14	8	21	4	11	0.3	47	-1
STUTTGART	16	7	25	2	11	0.9	15	-45
NURNBERG	15	7	23	3	11	-0.2	17	-34
AUSTRI VIENNA	16	10	22	4	13	0.0	65	33
INNSBRUCK	16	7	23	2	12	0.2	103	24
CZECH PRAGUE	14	7	22	2	10	-0.3	38	-2
POLAND WARSAW	14	8	25	1	11	1.3	71	30
LODZ	14	8	24	3	11	2.0	95	42
KATOWICE	13	8	23	3	11	1.2	116	64
PRZEMYSL	13	7	23	4	10	0.4	198	144
HUNGAR BUDAPEST	17	10	23	5	13	0.9	95	54
F YUGO BELGRADE	19	11	24	7	15	0.8	115	65
ROMANI BUCHAREST	21	11	28	3	16	-0.3	53	16
BULGAR SOFIA	18	10	25	4	14	2.9	133	69
ITALY MILAN	22	12	27	7	17	1.4	68	1
VERONA	21	12	26	6	16	-0.8	45	-18
VENICE	21	13	26	8	17	-0.1	32	-34
GENOA	24	17	27	14	20	0.1	78	-37
ROME	24	12	27	8	18	-0.7	95	24
NAPLES	25	16	29	11	20	2.0	207	122
GREECE THESSALONIKA	25	15	32	11	20	-0.1	82	55
LARISSA	26	14	32	10	20	-0.6	65	33
ATHENS	28	20	32	16	24	0.6	31	18
TURKEY ISTANBUL	23	16	28	7	20	1.2	120	79
ANKARA	23	8	31	2	16	-1.9	75	38
CYPRUS LARNACA	30	20	35	16	25	-0.1	1	-5
ESTONI TALLINN	13	6	23	-1	10	2.2	22	-60
FSU ST.PETERSBRG	13	7	28	1	10	2.1	10	-56
LITHUA KAUNAS	14	7	28	0	11	2.6	32	-26
FSU MINSK	13	6	29	-1	10	1.6	72	16
KAZAN	15	7	27	-7	11	-0.3	45	0
MOSCOW	14	6	27	-5	10	0.9	123	63
YEKATERINBURG	10	5	23	-3	8	-1.5	63	13
OMSK	12	4	24	-2	8	-2.5	33	2
KUSTANAY	17	7	28	-4	12	-1.4	17	-10
NOVOSTBIRSK	12	5	22	-2	9	-2.4	83	50
BARNAUL	15	6	25	-1	11	-0.9	85	56
KHABAROVSK	20	8	28	3	14	-0.1	103	12
VLADIVOSTOK	20	14	25	6	17	0.2	30	-99
KIEV	15	8	28	-1	12	0.9	116	70
LVOV	13	8	24	2	10	1.0	143	87
KIROVOGRAD	15	9	27	-2	12	0.4	77	41
ODESSA	18	12	24	5	15	0.7	104	68

Based on Preliminary Reports

September 1996

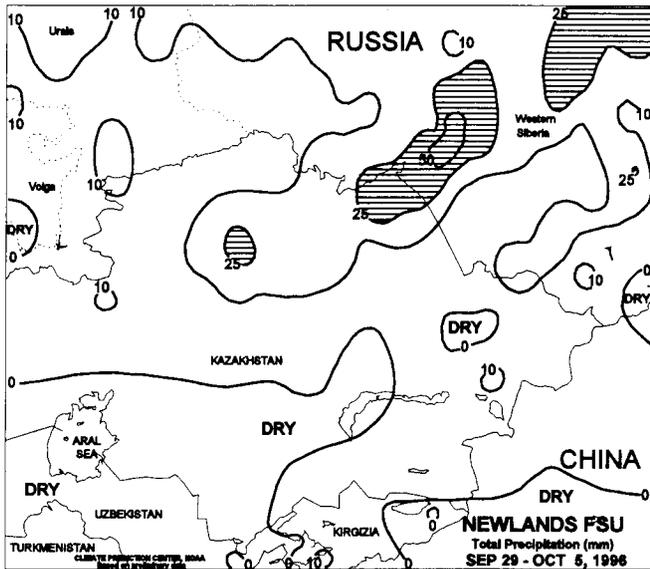
COUNTRY CITY		TEMPERATURE (C)					PRECIPITATION (MM)		COUNTRY CITY		TEMPERATURE (C)					PRECIPITATION (MM)			
		AVG	AVG	HI	LO	AVG	D				AVG	AVG	HI	LO	AVG	D			
		MAX	MIN	MAX	MIN	F/NRM	TOTAL	D			MAX	MIN	MAX	MIN	F/NRM	TOTAL	D		
FSU	YALTA	20	14	26	10	17	3.20	138	104	ETHIOP	ADDIS ABABA	22	10	23	7	16	3.2	225	50
	SARATOV	17	10	28	-4	13	3.20	66	30	KENYA	NAIROBI	26	12	32	7	19	3.2	2	-23
	KHARKOV	16	9	29	-2	12	2.30	125	85	TANZAN	DAR ES SALAAM	30	18	31	16	24	2.3	2	-27
	VOLGOGRAD	18	10	30	-2	14	0.40	87	66	GABON	LIBREVILLE	27	23	29	21	25	0.4	88	-18
	ROSTOV	19	11	30	0	15	1.40	157	117	TOGO	LOME	28	**	31	23	**	1.4	2	-48
	ASTRAKHAN	23	12	32	1	18	1.10	20	-2	B FASO	OUAGADOUGOU	32	**	35	21	**	1.1	199	60
	KRASNODAR	22	12	29	4	17	0.40	75	46	IVRY C	ABIDJAN	27	**	29	22	**	0.4	7	-58
	ORENBURG	19	8	30	-3	14	-0.50	12	-19	MOZAMB	MAPUTO	29	18	37	14	23	-0.5	0	-43
	TSELINOGRAD	18	7	25	4	13	0.30	26	1	ZAMBIA	LUSAKA	30	**	33	11	**	0.3	0	-1
	KARAGANDA	18	8	28	-1	12	1.30	13	-7	ZIMBAB	HARARE	28	14	32	9	21	1.3	0	-9
	TBILISI	27	15	34	9	21	0.90	9	-28	S AFRI	PRETORIA	27	12	32	7	19	0.9	0	-21
	TASHKENT	30	14	39	8	22	0.50	14	10	JOHANNESBURG	JOHANNESBURG	24	8	29	1	18	0.5	0	-26
	ASHKHABAD	32	17	40	12	25	0.50	0	-4	BETHAL	BETHAL	25	6	30	-1	15	0.5	9	-15
SYRIA	DAMASCUS	34	14	39	9	24	0.90	0	0	DURBAN	DURBAN	23	15	28	10	19	-0.1	21	-52
ISRAEL	ISRAEL	29	17	37	14	23	0.80	0	0	CAPE TOWN	CAPE TOWN	17	9	25	3	13	0.8	80	41
PAKIST	KARACHI	32	25	38	24	**	0.10	0	-9	CANADA	TORONTO	21	12	28	3	17	0.1	166	91
INDIA	AMRITSAR	34	23	37	18	28	0.80	24	-62	MONTREAL	MONTREAL	21	12	30	2	16	0.6	116	29
	NEW DELHI	34	25	37	22	29	0.20	151	27	WINNIPEG	WINNIPEG	19	7	27	0	13	0.2	34	-17
	AHMEDABAD	33	25	38	23	29	0.10	81	-30	REGINA	REGINA	17	4	25	-6	11	0.1	25	-9
	INDORE	31	22	35	20	26	-0.20	171	-8	SASKATOON	SASKATOON	16	4	24	-6	10	-0.2	40	8
	CALCUTTA	34	26	36	24	30	-0.60	301	-3	LETHBRIDGE	LETHBRIDGE	19	6	31	-3	12	-0.6	69	25
	VERAVAL	31	25	32	24	28	-1.90	17	-78	CALGARY	CALGARY	15	3	27	-4	9	-1.9	43	-4
	BOMBAY	31	25	33	23	28	-0.30	282	-27	EDMONTON	EDMONTON	14	6	27	-1	10	-0.3	61	20
	POONA	29	21	33	18	25	2.10	121	-12	VANCOUVER	VANCOUVER	17	10	22	5	14	2.1	71	8
	BEGAMPET	31	22	33	21	26	0.90	135	-37	MEXICO	GUADALAJARA	24	16	30	13	20	0.9	65	-94
	VISHAKHAPATNAM	31	26	34	21	29	0.10	213	**	MEXICO CITY	MEXICO CITY	25	13	27	12	19	0.1	197	80
	MADRAS	34	25	36	22	29	1.10	224	85	ACAPULCO	ACAPULCO	34	25	35	23	29	1.1	183	-192
	MANGALORE	30	24	31	22	27	0.30	277	10	BERMUD	ST. GEORGES	28	25	29	21	26	0.3	63	-99
H KONG	KINGS PEAK	30	25	33	24	28	0.90	613	**	BAHAMA	NASSAU	32	25	34	22	29	0.9	44	-124
N KREA	PYONGYANG	25	12	28	3	19	-0.20	6	-144	JAMAIC	KINGSTON	33	26	34	24	29	-0.2	26	-90
S KREA	SEOUL	27	18	31	12	22	0.00	13	-129	P RICO	SAN JUAN	**	**	**	**	**	0.0	**	**
JAPAN	SAPPORO	22	15	27	9	19	0.20	128	-10	GUADEL	RAIZET	31	24	33	23	28	0.2	109	-36
	NAGOYA	27	19	33	13	23	-0.30	104	-108	MARTNQ	LAMENTIN	31	24	33	22	28	-0.3	109	-106
	TOKYO	26	20	35	15	23	1.30	205	25	BARBAD	BRIDGETOWN	30	25	33	22	27	1.3	99	-37
	YOKOHAMA	26	19	33	14	22	2.00	369	170	TRINID	PORT OF SPAIN	32	24	35	22	28	2.0	100	-103
	KYOTO	27	19	32	13	23	1.20	161	-45	COLOMB	BOGOTA	20	7	23	1	13	1.2	28	-30
	OSAKA	28	20	33	15	24	0.40	176	12	VENEZU	CARACAS	32	25	34	20	29	0.4	83	37
THAILN	PHETCHABUN	32	24	34	22	28	0.90	348	70	F GUIA	CAYENNE	32	22	34	21	27	0.9	41	-34
	BANGKOK	32	26	35	24	29	0.80	409	67	BRAZIL	FORTALEZA	30	24	31	21	27	0.8	11	-15
MALAYS	KUALA LUMPUR	33	25	35	22	29	-0.30	60	-132	RECIFE	RECIFE	27	22	29	20	25	-0.3	192	80
VIETNM	HANOI	31	26	34	24	29	2.90	102	-152	BELO HORIZONTE	BELO HORIZONTE	28	17	32	14	21	2.9	69	29
CHINA	HARBIN	20	8	29	0	14	1.40	25	-33	CAMPO GRANDE	CAMPO GRANDE	29	17	35	10	23	1.4	116	30
	HAMI	28	10	35	3	19	-0.80	0	-4	FRANCA	FRANCA	26	16	31	13	21	-0.8	68	-4
	LANCHOW	25	12	32	8	19	-0.10	31	-14	RIO DE JANEIRO	RIO DE JANEIRO	**	**	26	16	**	-0.1	80	13
	BEIJING	26	17	33	10	21	0.10	34	-15	LONDRINA	LONDRINA	**	15	33	8	**	0.1	133	33
	TIENTSIN	26	16	31	10	21	-0.70	38	-2	SANTA MARIA	SANTA MARIA	21	11	30	0	16	-0.7	104	-50
	LHASA	20	8	24	5	14	2.00	65	5	PORTO ALEGRE	PORTO ALEGRE	21	11	30	4	16	2.0	1	-123
	KUNMING	23	15	27	11	19	-0.10	84	-38	PERU	LIMA	19	15	20	14	17	-0.1	0	-1
	CHENGCHOW	26	17	32	14	22	-0.60	141	50	BOLIVI	LA PAZ	15	-1	18	-5	7	-0.6	33	2
	YEHCHANG	28	21	32	17	24	0.60	100	-20	CHILE	SANTIAGO	21	4	33	-2	12	0.6	0	-20
	HANKOW	29	22	34	18	25	1.20	40	-49	ARGENT	IGUAZU	25	13	34	3	19	1.2	195	**
	CHUNGKING	28	22	35	19	25	-1.90	70	**	FORMOSA	FORMOSA	25	14	37	3	19	-1.9	97	3
	CHIHKIANG	29	20	34	14	25	-0.10	13	-53	CERES	CERES	22	9	35	0	16	-0.1	25	-22
	WU HU	29	21	34	16	25	2.20	9	**	CORDOBA	CORDOBA	21	8	31	1	15	2.2	48	9
	SHANGHAI	28	23	32	21	26	2.10	18	**	RIO CUARTO	RIO CUARTO	19	8	30	1	13	2.1	36	-8
	NANCHANG	30	23	35	20	27	2.60	1	-75	ROSARIO	ROSARIO	20	8	30	-3	14	2.6	25	-37
	TAIPEI	30	25	34	22	28	1.60	231	10	BUENOS AIRES	BUENOS AIRES	18	8	27	-1	13	1.6	106	47
	CANTON	31	24	35	21	28	-0.30	153	-6	SANTO ROSA	SANTO ROSA	20	5	32	-2	13	-0.3	22	-18
	NANNING	31	24	35	21	28	0.90	182	62	TRES ARROYOS	TRES ARROYOS	18	5	28	-2	12	0.9	15	-39
CNRY I	LAS PALMAS	27	21	30	18	24	-1.50	35	28	N CALD	NOUMEA	26	19	29	16	22	-1.5	64	25
MOROCC	CASABLANCA	25	18	28	16	22	-2.50	11	6	FUJI	NAUSORI	27	21	31	17	24	-2.5	135	-28
	MARRAKECH	31	18	39	15	24	-1.40	2	-2	SAMOA	PAGO PAGO	31	26	32	23	28	-1.4	268	105
ALGERI	ALGER	27	16	32	10	22	-2.40	38	9	TAHITI	PAPEETE	28	22	30	18	25	-2.4	58	12
	BATNA	27	12	32	3	19	-0.90	13	-8	PA N G	PORT MORESBY	30	24	33	21	27	-0.9	18	-19
TUNISI	TUNIS	29	19	34	15	24	-0.10	20	-12	AUSTRL	DARWIN	32	24	34	19	28	-0.1	0	-18
NIGER	NIAMEY	34	25	38	21	30	0.20	49	-41	BRISBANE	BRISBANE	24	10	31	4	17	0.2	50	17
MALI	TIMBUKTU	38	28	43	23	**	0.90	82	59	PERTH	PERTH	19	10	22	5	14	0.9	134	63
	BAMAKO	32	22	38	19	27	1.00	156	-37	CEDUNA	CEDUNA	20	8	31	2	14	1.0	49	21
MAURIT	NOUAKCHOTT	35	24	43	20	30	0.40	79	53	ADELAIDE	ADELAIDE	16	9	28	3	13	0.4	64	7
SENEGL	DAKAR	30	25	33	20	28	0.10	240	102	MELBOURNE	MELBOURNE	16	7	24	2	11	-0.9	56	8
CHAG A	DIEGO GARCIA	**	**	31	23	**	**	**	**	WAGGA	WAGGA	16	5	25	0	11	-0.5	60	10
LIBYA	TRIPOLI	33	22	43	16	28	1.40	8	-7	CANBERRA	CANBERRA	15	4	23	0	10	0.1	93	37
	BENGHAZI	33	23	42	15	28	2.70	3	0	INDONE	DJAKARTA	33	24	34	21	28	1.3	18	**
EGYPT	CAIRO	34	22	41	20	28	1.50	0	0	PHILIP	MANILA	31	26	34	25	28	0.7	411	68
	ASWAN	42	27	46	23	34	0.70	0	0										

Based on Preliminary Reports



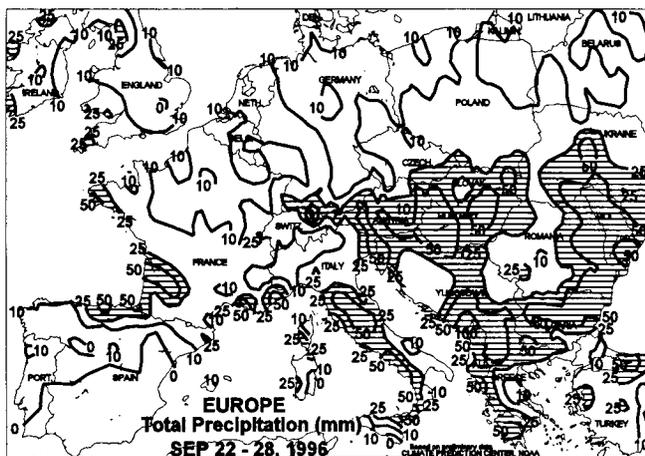
FSU-WESTERN

Drier weather prevailed over most of Ukraine, favoring summer crop harvesting and winter grain planting. The exception was in the extreme east, where wet weather persisted. Precipitation amounts ranged from 2 to 10 mm in the western two-thirds of Ukraine, and from 12 to 43 mm in the extreme east. Well-above-normal precipitation since mid-August in Ukraine has provided abundant topsoil moisture for winter grain emergence and early establishment. In Russia, wet weather persisted over the North Caucasus, lower Volga Valley, and the southwestern portion of the Central Black Soils Region, hampering fieldwork for summer crop harvesting and winter grain planting. Unusually cold, dry weather prevailed over northern Russia, where weekly temperatures averaged 1 to 4 degrees C below normal. Furthermore, extreme minimum temperatures during the week ranged from -5 to -8 degrees C, hampering further establishment of winter grains. Typically, winter grains enter dormancy in the north by late October, and warmer weather will be needed to allow sufficient growth prior to dormancy.



FSU-NEW LANDS

In Russia, light precipitation (generally less than 10 mm) over the Urals caused only brief delays in spring grain harvesting. Farther east, however, rain and snow in Western Siberia and Eastern Siberia caused further delays in spring grain harvesting. Persistent wetness in these areas has caused significant harvest delays and lowered grain quality. In Kazakhstan, light to moderate precipitation (4-41 mm), including snow in northern areas, caused some delays in late spring grain harvesting. Reports as of October 7 indicated that grain harvesting in Kazakhstan was about 90 percent completed. Weekly temperatures averaged near normal over Russia and 1 to 3 degrees C below normal over Kazakhstan.

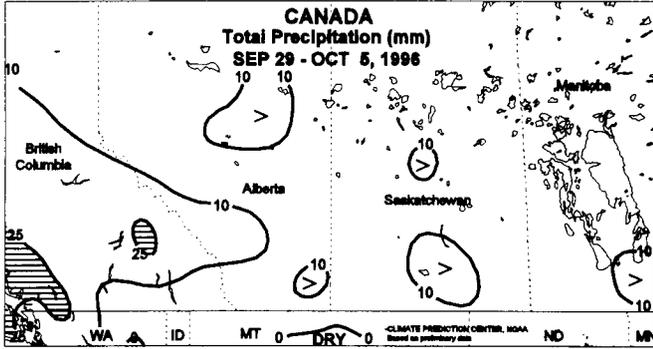


EUROPE

Soaking rain fell over France and Italy, delaying early corn and sunflower harvesting. Precipitation amounts in these areas generally ranged from 15 to 50 mm, with locally heavier amounts in excess of 75 mm. Farther south, mostly dry weather prevailed over Spain, helping harvest activities. Wet weather (10-50 mm) over England, the Benelux countries, and northern Germany delayed summer crop harvesting and winter grain planting. However, the precipitation provided abundant topsoil moisture for seed germination and early plant development. In eastern Europe, little, if any, precipitation fell from Poland, southward through Hungary and Romania, into Bulgaria, favoring summer crop harvesting and winter grain planting. Weekly temperatures averaged 1 to 3 degrees C below normal over southern Europe and near to slightly above normal in the north.

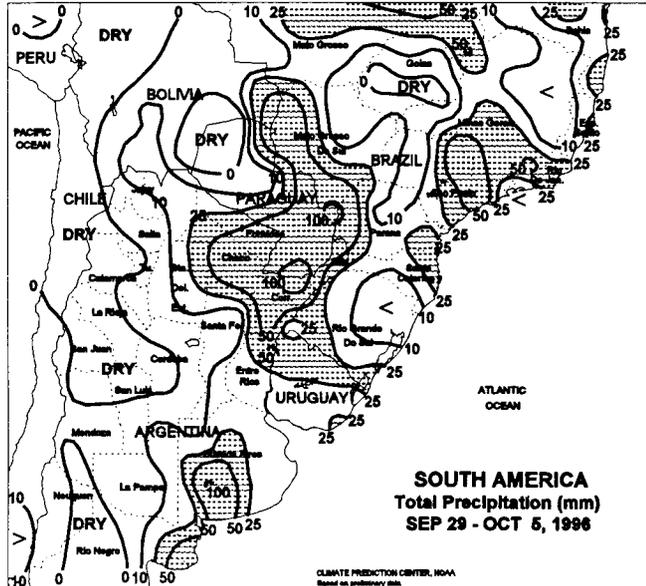
CANADA

Cold, locally wet weather continued across the Prairies, maintaining unfavorable conditions for unharvested grains and oilseeds. Temperatures averaged 2 to 4 degrees below normal throughout the main crop areas, with lows ranging from -3 to -14 C. Precipitation across the Prairies was variable, with a few locations receiving more than 10 mm. Some of the precipitation fell as snow. Alberta's crops were reportedly about half harvested, which is nearly 40 percent behind schedule. Farther east, many locations in Quebec and Ontario received their first autumn freeze. Lowest temperatures (-2 to -7 degrees C) were reported near southern Quebec, with lows in southern Ontario ranging from -1 to 5 degrees C. Some damage to immature corn was possible.



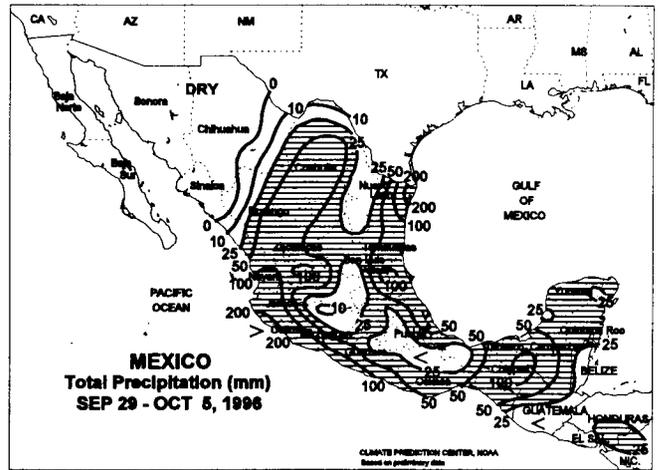
SOUTH AMERICA

Rain fell across most crop areas boosting topsoil moisture for summer crop planting and winter wheat development. In Argentina, light to moderate rain (5-20 mm) fell across southern Cordoba, southern Santa Fe, and northern Buenos Aires, aiding reproductive winter wheat. Across this region, however, more rain is still needed for adequate wheat development and summer crop planting. Heavier rain (25-50 mm) favored vegetative winter wheat in central and southern Buenos Aires. Historically, Buenos Aires accounts for 60 to 65 percent of Argentina's wheat production, while Cordoba and Santa Fe combined accounts for only about 25 percent. Heavy rain (50-100 mm) boosted moisture supplies for cotton planting in northern Argentina and cotton and soybean planting in southern Paraguay. In southern Brazil, the heaviest rain (25-70 mm) was confined to western Parana, western Mato Grosso do Sul, western Sao Paulo, and southeastern Minas Gerais. Elsewhere, rainfall ranged from 5 to 25 mm. The rain boosted topsoil moisture for corn, soybean, and cotton planting and favored flowering citrus and coffee. Temperatures averaged 2 to 4 degrees C above normal across most of Argentina and southern Brazil.



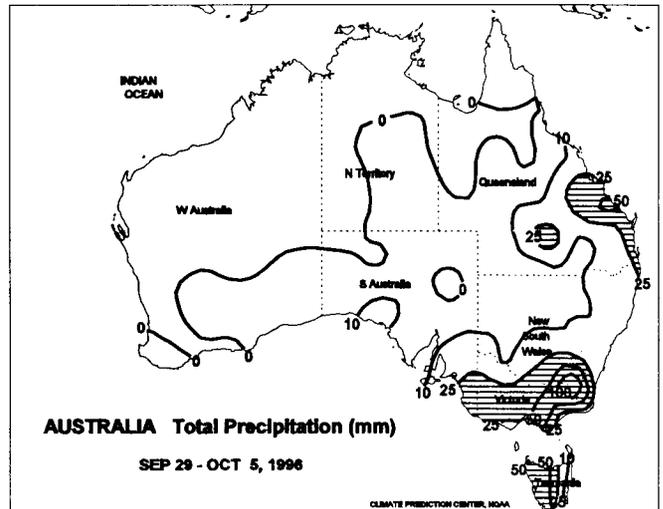
MEXICO

Hurricane Hernan made landfall on October 3 along the coast of Michoacan, Colima, and Jalisco, generating heavy coastal rains (125-250 mm) and local flooding. Hernan then dissipated in the Gulf of California. However, moisture from the storm was drawn northward helping to produce widespread rain (50-90 mm) from the west coast into northern Mexico (Nayarit northeastward into Coahuila). This rain boosted reservoir levels and aided pastures and summer sorghum across these states. Light to moderate rain (5-25 mm) aided late filling corn across the main corn belt. Tropical moisture also produced moderate to heavy showers (50-75 mm, with isolated amounts greater than 200 mm) along the Gulf of Mexico coast (coastal Tamaulipas and Veracruz). This moisture helped to reduce long-term moisture deficits, but slowed early coffee harvesting. Dry, warm weather (2-4 degrees C above normal) prevailed across northwestern Mexico. Seasonal rains (20-40 mm) benefited reproductive to filling corn across the Yucatan Peninsula. Temperatures averaged 1 to 3 degrees C below normal across northern and northeastern Mexico.



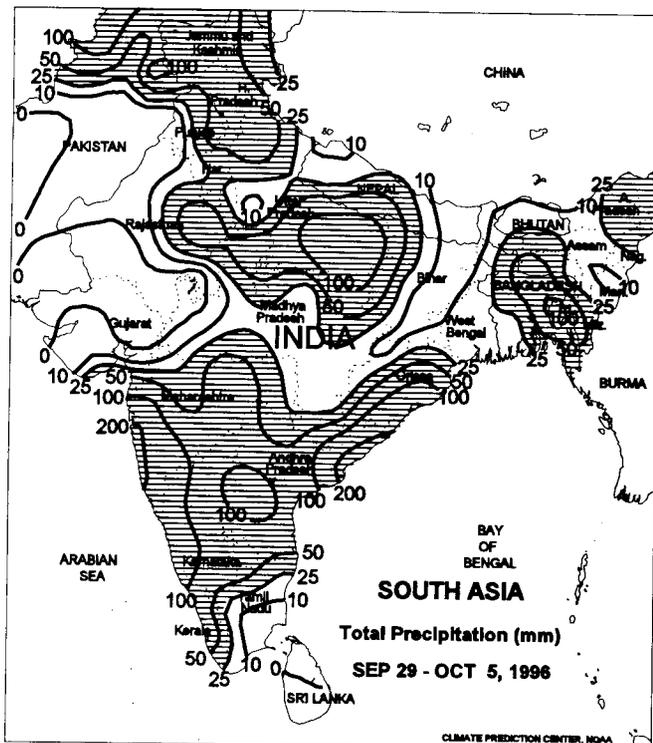
AUSTRALIA

Widespread, locally heavy showers (10-25 mm or more, exceeding 50 mm locally) fell throughout major crop areas in the east. Unlike last week, rainfall covered Queensland's main summer crop region, increasing moisture reserves for crop establishment. Temperatures averaged near normal throughout the east, with lows generally remaining above 5 degrees C. Mostly cool, dry weather covered winter grain areas of Western Australia. In New Zealand, light rain (10 mm or less) covered east-coastal sections of South Island, but heavier rain (10-25 mm or greater) covered most other pasture areas.



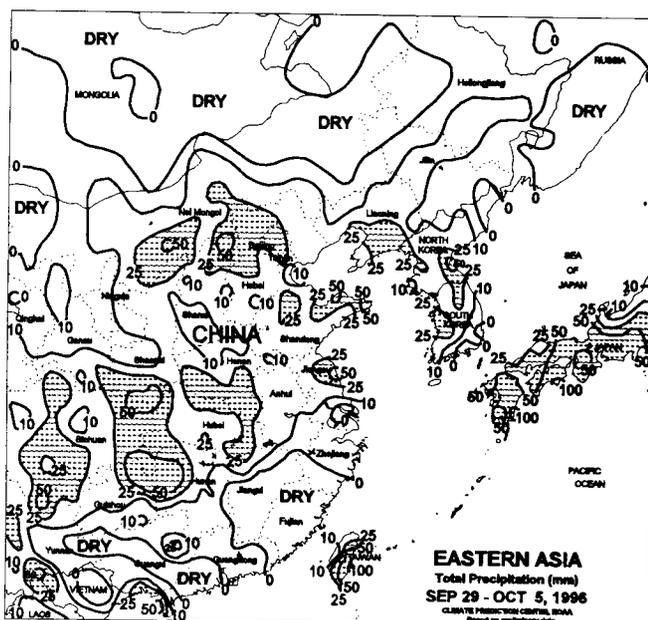
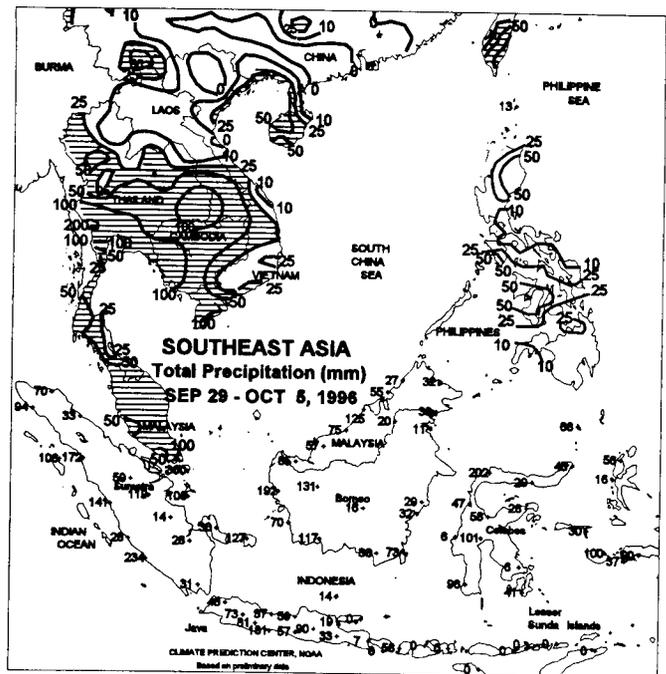
SOUTH ASIA

Bands of locally heavy showers (50-100 mm or more) returned to sections of the north, in spite of the apparent recent withdrawal of the monsoon. Heavy rain just north of Pakistan's main cotton and rice areas may have resulted in some downstream flooding. In northern areas, cotton plants are opening bolls and require drier, warmer weather. Flooding was also possible in rice areas along the Gange's in north-central India. To the south, light to moderate rain (10-55 mm) covered the main soybean areas, but mostly dry, warm weather persisted over Gujarat's groundnut belt. In contrast, heavy rain (50-100 mm, exceeding 200 mm locally) continued across the southern interior, aided this week by a weak tropical cyclone that crossed the peninsula from east to west. Flooding was likely in some coastal rice areas, as well as a few interior grain, oilseed, and cotton areas.



SOUTHEAST ASIA

Seasonably drier weather (10-35 mm) favored rice maturation and harvesting across most of Vietnam and the Philippines. Heavier showers (greater than 50 mm) slowed harvesting in extreme southern Vietnam and the east-central Philippines. Monsoonal showers (75-150 mm, with isolated amounts greater than 200 mm) covered eastern and southern Thailand, slowing rice maturation and harvesting. These showers also caused some flooding. Seasonal showers (50-90 mm) continued to favor oil palm across peninsular Malaysia. Showers (20-80 mm) covered Java, aiding vegetative to reproductive second-season rice.



EASTERN ASIA

Late-week widespread rain (10-40 mm) fell across Manchuria, the North China Plain, and central China, boosting topsoil moisture for winter grain and oilseed planting. Earlier in the week, dry, warm weather (2-4 degrees C above normal) favored corn, cotton, and soybean harvesting. Mostly dry weather aided maturing late double-crop rice across southern China. Light to moderate rain (10-30 mm) fell across the Korean Peninsula. Moderate rain (30-75 mm) covered southern and central Japan, slowing rice harvesting, while lighter amounts and warmer weather (less than 20 mm; temperatures 1-3 degrees C above normal) eased wetness in northern Japan.

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(Continued from page 13)

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	6	3	29	52	10
AZ	5	13	34	27	21
AR	0	5	34	46	15
CA	0	0	0	60	40
GA	1	7	45	40	7
LA	0	15	36	46	3
MS	1	7	30	54	8
MO	1	8	26	61	4
NM	0	3	37	46	14
NC	1	5	24	63	7
OK	2	19	44	32	3
SC	0	4	25	62	9
TN	0	2	16	66	16
TX	4	21	31	30	14
ALL	2	12	29	44	13
Prev Wk	4	10	25	44	17
Prev Yr	5	18	44	30	3

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	13	35	40	12
CO	1	2	13	65	19
IL	7	8	28	49	8
KS	0	1	14	58	27
LA	0	0	29	68	3
MS	0	11	25	62	2
MO	1	6	26	52	15
NE	1	0	19	52	28
NM	1	51	26	21	1
OK	0	2	12	71	15
SD	0	3	12	68	17
TX	1	5	30	43	21
ALL	1	4	21	52	22
Prev Wk	0	4	22	53	21
Prev Yr	5	17	39	36	3

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	2	15	46	31	6
FL	2	26	30	36	6
GA	3	9	48	36	4
NC	0	3	26	58	13
OK	0	6	32	53	9
SC	0	0	20	73	7
TX	2	3	16	60	19
VA	0	0	30	60	10
ALL	2	8	36	45	9
Prev Wk	1	8	30	50	11
Prev Yr	NA	NA	NA	NA	NA

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.

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