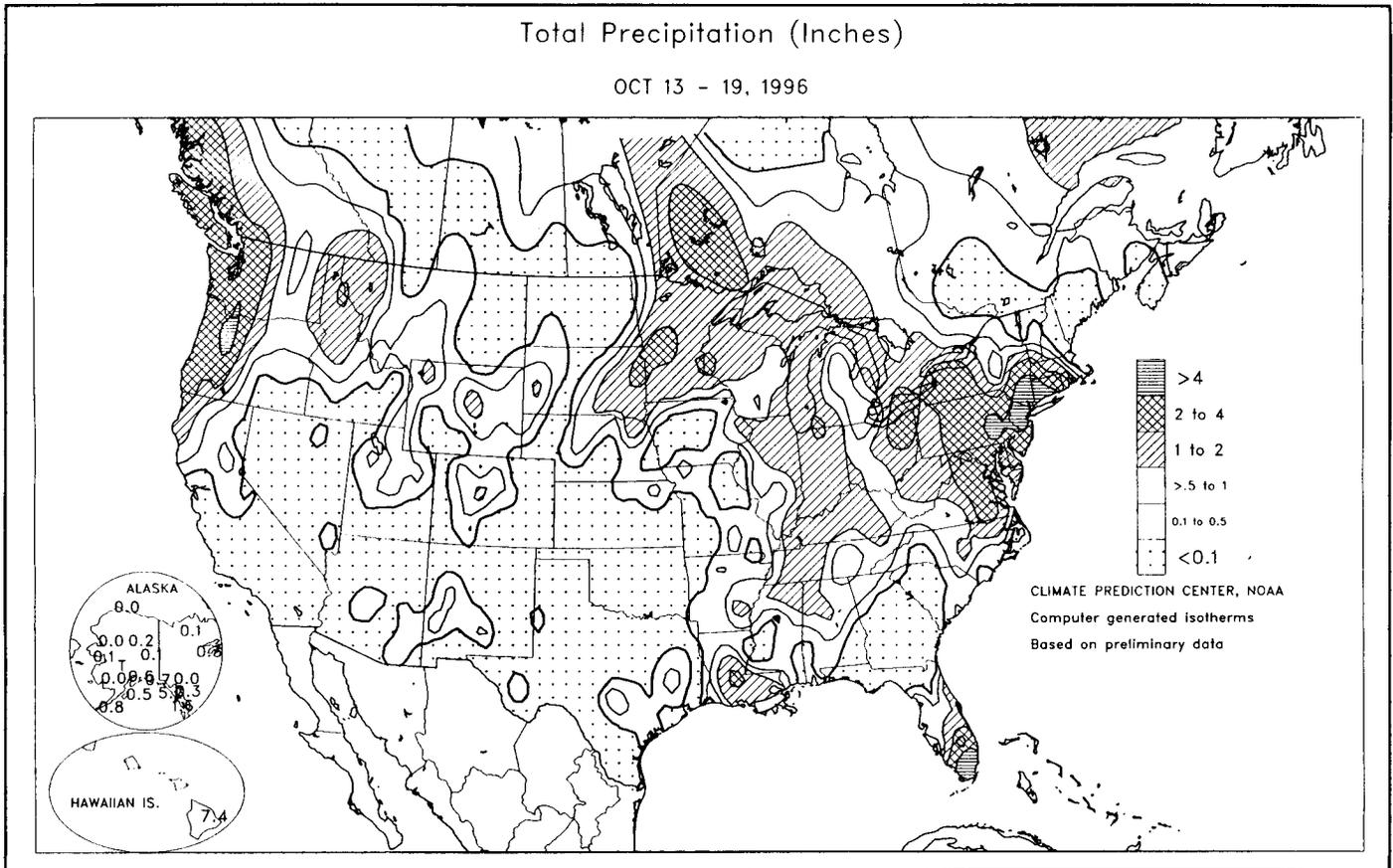


WEEKLY WEATHER AND CROP BULLETIN

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

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



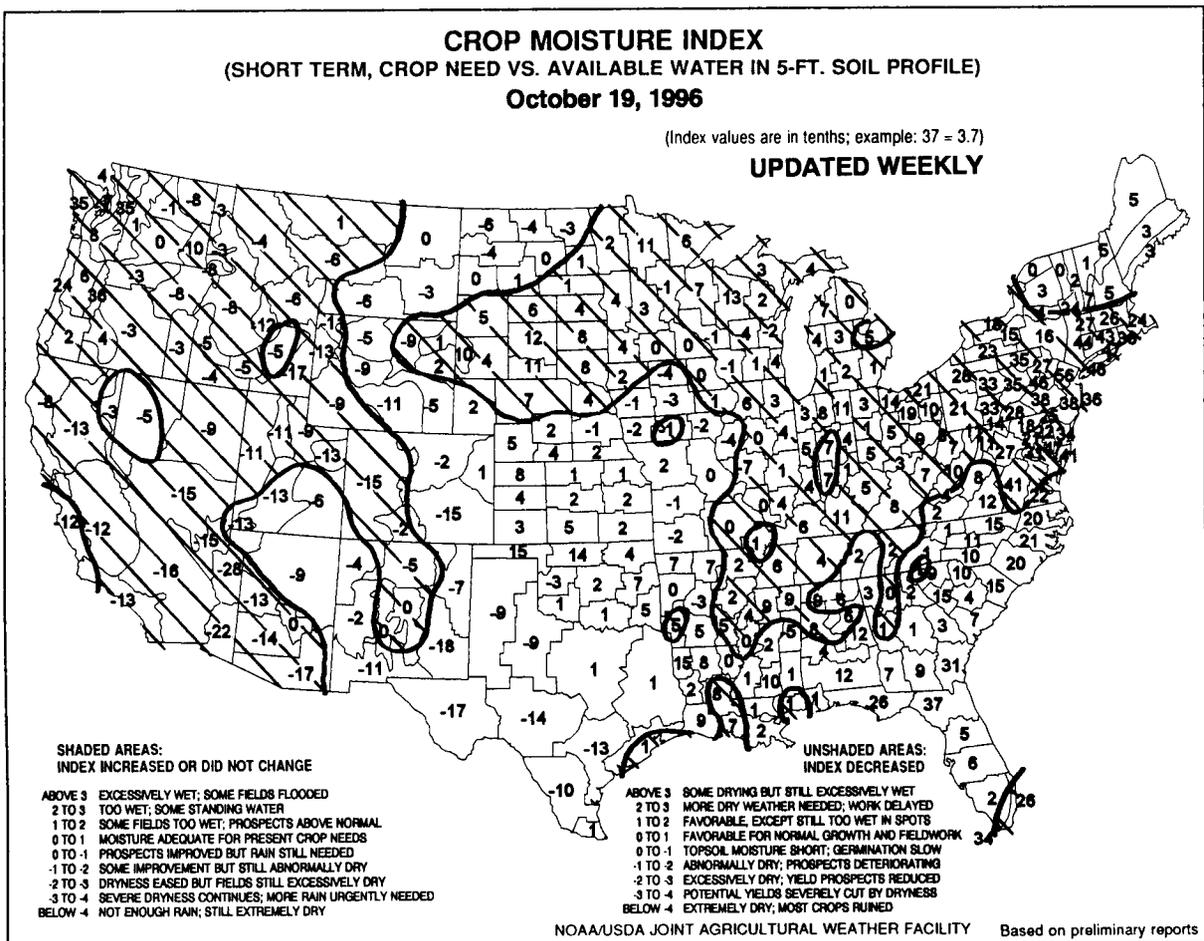
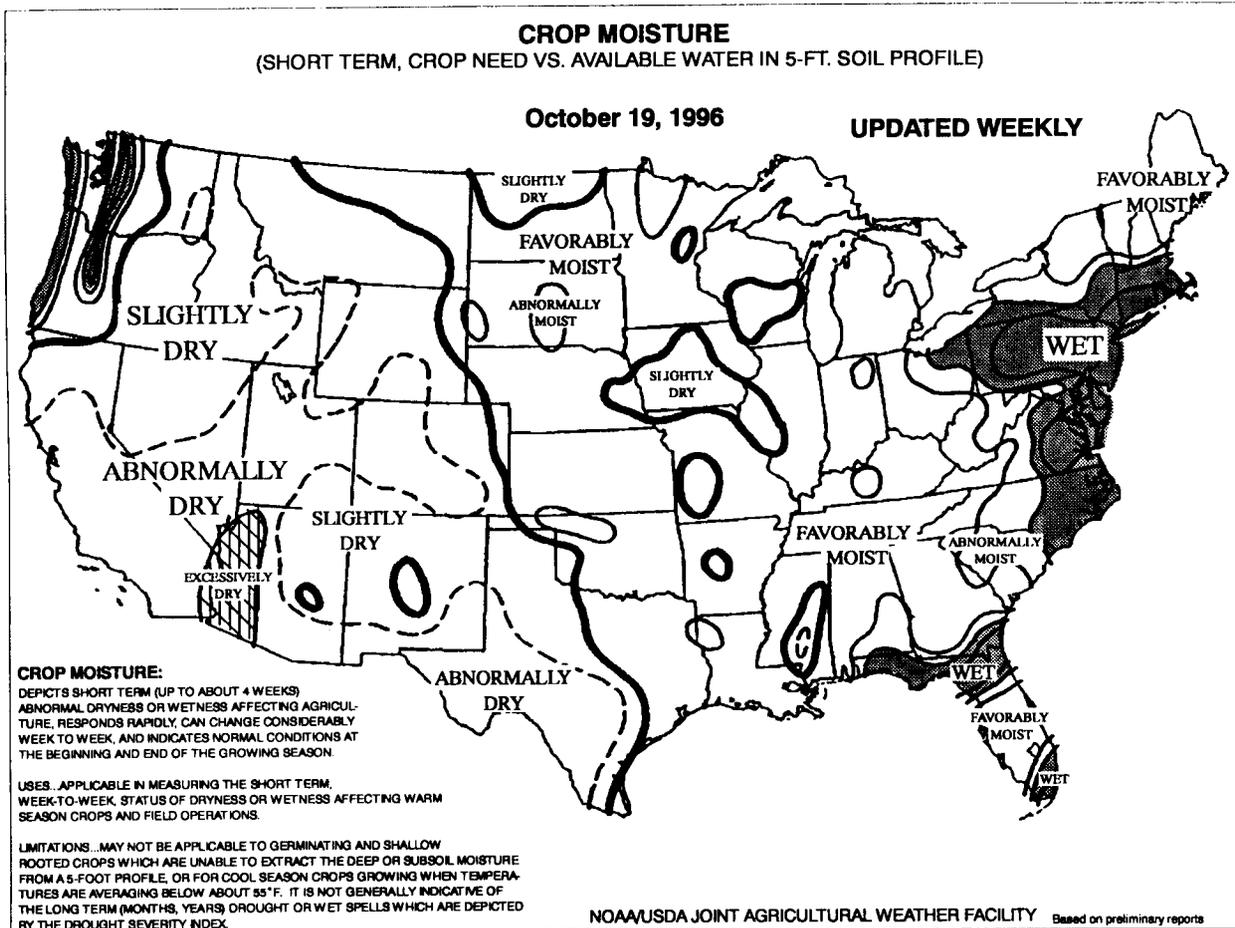
HIGHLIGHTS October 13 - 19, 1996

Summer-like weather ended abruptly in the West as a series of strong Pacific storms punched inland. One of the storms lifted northeastward through the **North-Central States**, drawing cold air southward onto the **Plains**. Another intensified over the **Northeast** late in the week, initiating a period of very wet, windy weather. At week's end, a third Pacific storm delivered widespread snow and reinforced an already cold pattern across the **West**. Farther north, very cold weather persisted in **Alaska** for a sixth consecutive week. In the tropical Atlantic, meanwhile, Hurricane Lili veered northeastward away from **southern Florida**, but scored a direct hit on **Cuba** and parts of the **Bahamas**.

(Continued on page 3)

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(Continued from front cover)

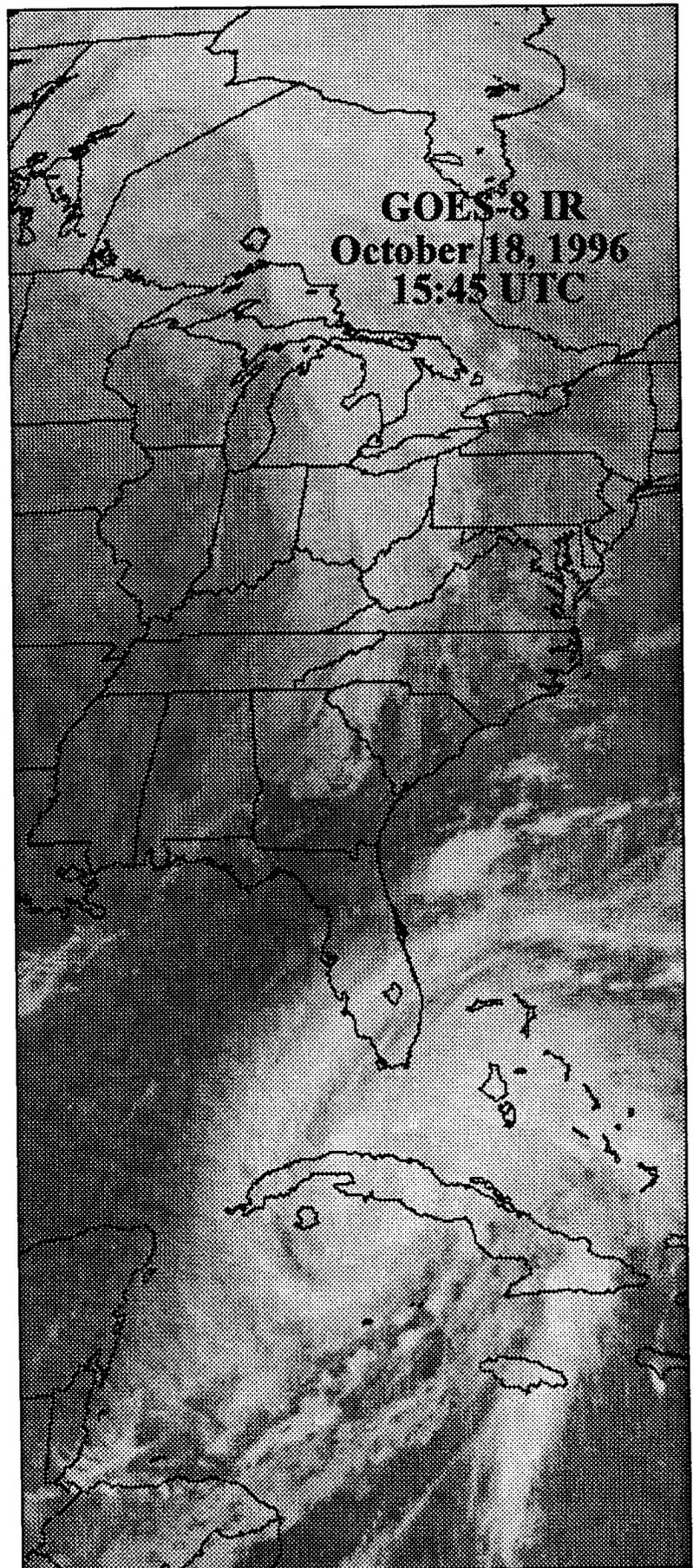
On Sunday, a final day of warmth covered the **interior West**. Among the half-dozen daily records were highs of 85°F in **Salt Lake City, UT**, 86°F in **Sheridan, WY**, and 91°F in **El Paso, TX**. Thereafter, warm air shifted eastward before being flushed off the **East Coast** on Friday. Weekly departures ranged from +3 to +8°F from the **northern and central Plains** to the **Middle Atlantic region**. A Canadian high-pressure system briefly invaded **New England**, producing daily-record lows on Tuesday in **Caribou, ME** (24°F) and atop **Mt. Washington, NH** (3°F, with wind gusts to 133 mph).

At midweek, heavy rain developed across the **upper Midwest**, halting harvest activities and fieldwork. Rainfall totaled 1 to 3 inches from **eastern South Dakota** to **northern Wisconsin**. Thunderstorms, some severe, erupted on Thursday afternoon from the **eastern Corn Belt** to the **central Gulf Coast**. A day later, an intense, slow-moving storm system developed over the **northern Middle Atlantic region**. By week's end, rainfall topped 2 inches from **northern Virginia** to **southern New England**, with totals in excess of 4 inches from **eastern Pennsylvania** to **Connecticut**. On Saturday, daily-rainfall records were broken in locations such as **Newark, NJ** (4.04 inches) and **New York's Central Park** (4.35 inches). In addition, late-week winds gusted to 81 mph on **Fire Island, NY**, and 56 mph at both **New York's JFK Airport** and **Bridgeport, CT**.

Very cold air reached the **interior West** on Thursday, delivering daily-record lows to a half-dozen locations, including **Pocatello, ID** (14°F) and **Elko, NV** (7°F). A day later, a half-dozen records were reported on the **central High Plains**, among them lows of 19°F in **Pueblo, CO** and 22°F in **Garden City, KS**. Lows dipped below freezing as far south as **Amarillo, TX** (29°F). Farther north, snowfall on Friday reached 4.3 inches in **Casper, WY** and 1.6 inches in **International Falls, MN**, while northerly winds in **South Dakota** gusted to 45 mph at **Huron** and **Sioux Falls**.

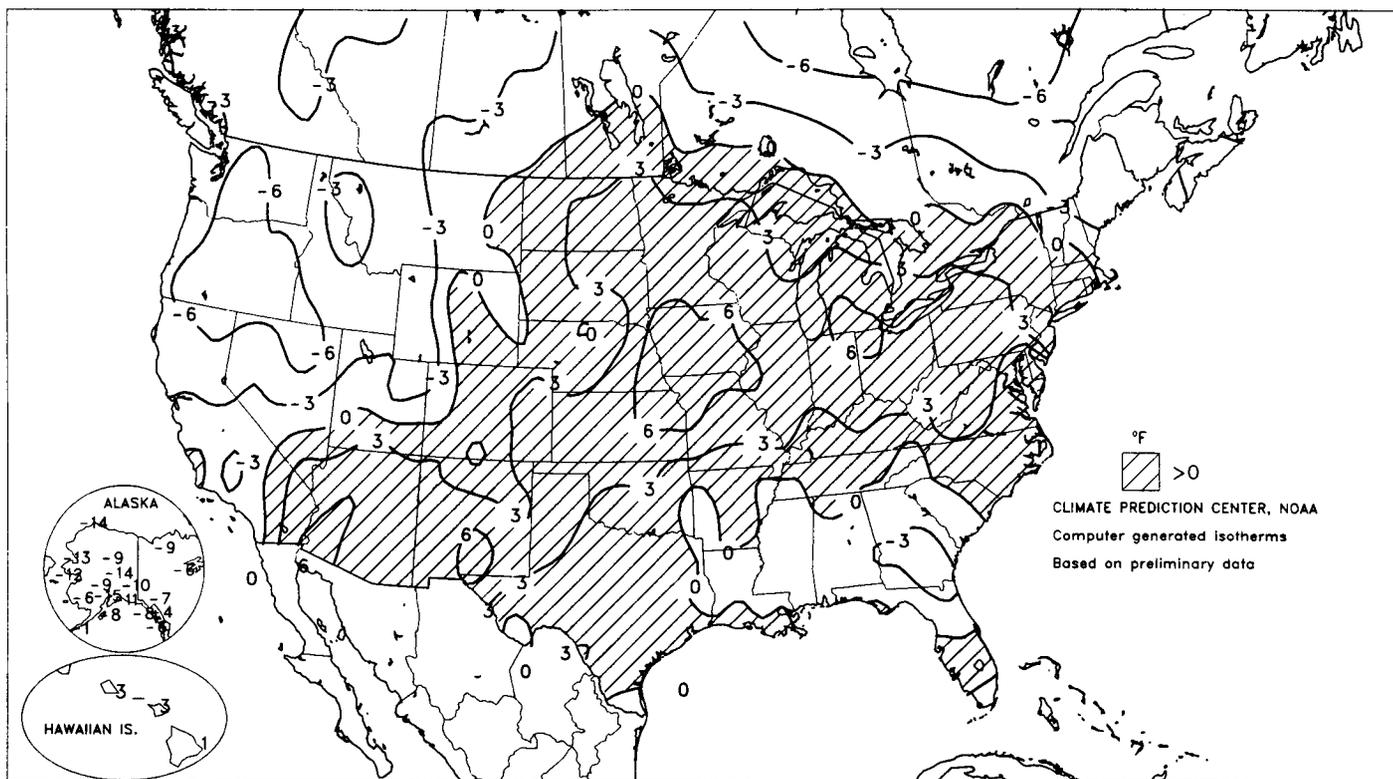
Warm weather continued in **Hawaii**, as temperatures averaged 1 to 3°F above normal. **Honolulu** notched a daily-record high (91°F) on Saturday. Much-needed rain returned to windward areas, as totals reached 7.41 inches in **Hilo**. Meanwhile, temperatures averaged 6 to 14°F below normal in **Alaska**. **Barrow** (-14°F on Thursday) and **McGrath** (-7°F on Saturday) were among the many stations to report daily-record lows.

Across **southern Florida**, a lingering front and the outer rain bands of Hurricane Lili combined to produce heavy rain. Lili crossed **Cuba** on Friday, packing 90 mph winds and torrential rainfall, then briefly intensified to a category-3 hurricane (115 mph sustained winds) while traversing the **central Bahamas** on Saturday.



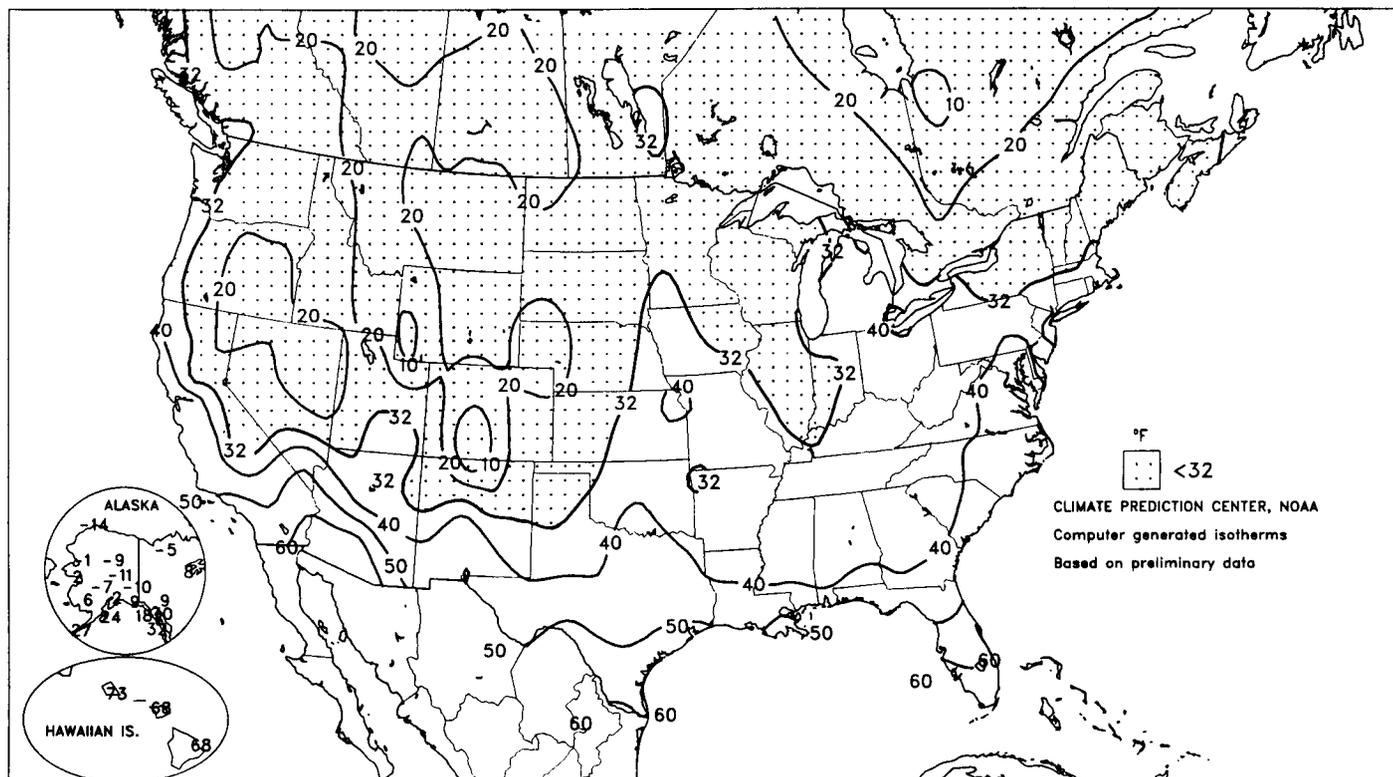
Departure of Average Temperature from Normal (°F)

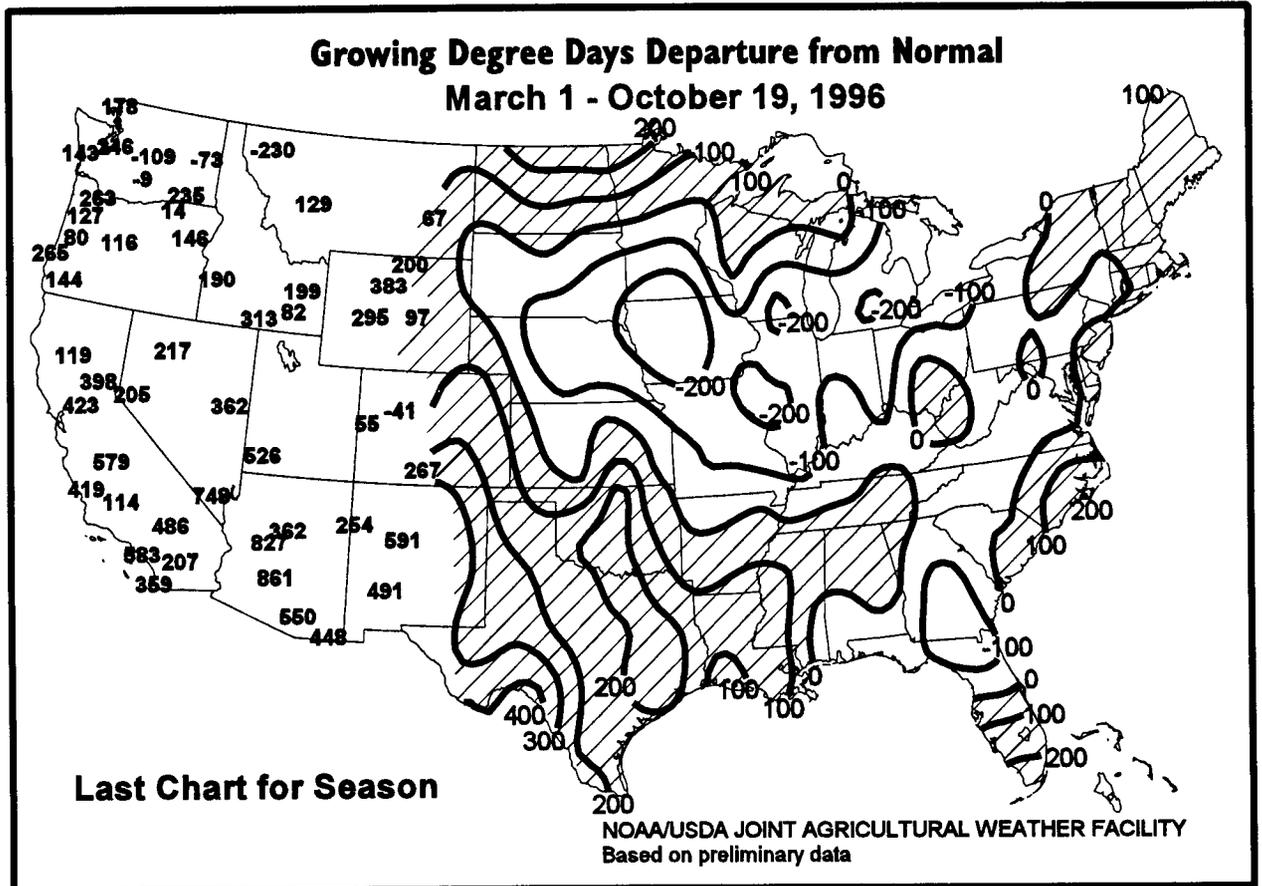
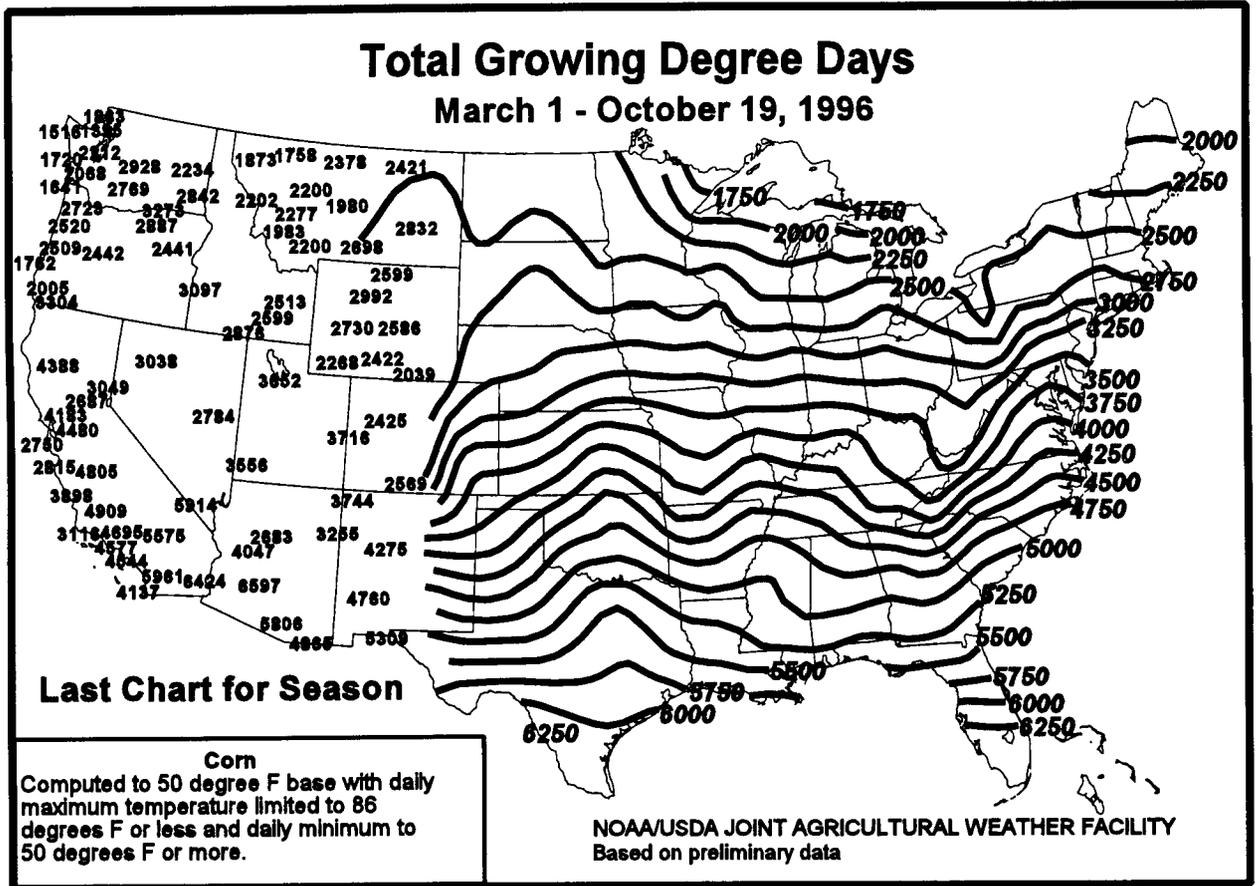
OCT 13 - 19, 1996



Extreme Minimum Temperature (°F)

OCT 13 - 19, 1996





National Weather Data for Selected Cities

Weather Data for the Week Ending October 19, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN. SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP., °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.06 INCH OR MORE
AL BIRMINGHAM	78	47	83	36	82	0	0.66	-0.05	-	6.73	120	62.72	119	83	40	0	0	-	-
MOBILE	78	54	83	40	86	-2	0.00	-0.81	0.00	6.87	77	62.84	98	90	40	0	0	0	0
MONTGOMERY	77	48	84	37	82	-1	0.16	-0.43	0.16	9.02	170	66.14	124	96	39	0	0	1	0
AK ANCHORAGE	26	12	28	2	18	-16	0.58	0.14	0.58	3.10	77	11.39	87	86	68	0	7	1	1
BARROW	8	-8	14	-14	-1	-14	0.00	-0.11	0.00	0.90	102	3.26	86	86	79	0	7	0	0
FAIRBANKS	18	4	22	-11	11	-14	0.13	-0.06	0.11	1.67	108	9.50	106	88	71	0	7	3	0
JUNEAU	42	34	48	30	38	-4	-	-	-	-	-	-	99	81	0	4	-	-	-
KODIAK	37	28	41	24	32	-8	0.47	-1.16	0.28	9.96	86	38.92	74	64	46	0	7	3	0
NOME	27	5	32	2	18	-12	0.08	-0.20	0.08	1.80	56	13.63	108	86	64	0	7	2	0
AZ PHOENIX	90	67	96	66	78	4	0.26	0.11	0.26	0.79	82	3.92	67	47	21	3	0	1	0
PRESCOTT	74	48	84	41	61	-	0.08	-0.19	0.06	1.04	39	6.56	41	87	33	0	0	1	0
TUCSON	87	61	96	58	74	4	0.13	-0.10	0.13	3.83	183	8.70	87	59	20	1	0	1	0
YUMA	93	72	99	66	83	7	0.00	-0.06	0.00	0.00	0	0.93	36	58	20	5	0	0	0
AR FORT SMITH	77	48	83	38	63	1	0.00	-0.83	0.00	6.81	121	42.24	130	93	45	0	0	0	0
LITTLE ROCK	-	-	-	-	-	-	0.00	-0.83	0.00	6.89	92	35.37	93	-	-	-	-	0	0
CA BAKERSFIELD	75	51	80	44	63	-6	0.00	-0.06	0.00	0.00	0	4.20	99	64	23	0	0	0	0
EUREKA	82	47	86	42	64	0	1.06	0.44	0.62	2.30	106	31.74	134	83	46	0	0	5	1
FRESNO	76	51	81	44	64	-1	0.00	-0.12	0.00	0.00	0	8.14	108	74	21	0	0	0	0
LOS ANGELES	71	59	74	57	66	-2	0.00	-0.07	0.00	0.00	0	8.72	104	91	33	0	0	0	0
REDDING	73	48	82	37	60	-3	0.13	-0.37	0.11	0.76	37	28.43	132	68	21	0	0	2	0
SACRAMENTO	76	49	84	43	63	-1	0.13	-0.11	-	0.13	-	15.98	137	80	24	0	0	-	-
SAN DIEGO	68	62	70	60	66	-2	0.00	-0.07	0.00	0.00	0	3.94	88	88	51	0	0	0	0
SAN FRANCISCO	67	51	72	48	59	-2	0.00	-0.28	0.00	0.00	0	18.46	141	87	47	0	0	0	0
CO DENVER	70	37	80	23	54	3	0.04	-0.18	0.04	0.98	53	7.43	56	66	17	0	2	1	0
GRAND JUNCTION	68	39	80	24	54	-2	0.13	-0.15	0.08	2.10	118	7.70	92	68	19	0	2	2	0
PUEBLO	77	32	87	19	56	1	0.00	-0.13	0.00	1.48	117	12.06	118	71	13	0	4	0	0
CT BRIDGEPORT	64	48	76	38	58	1	4.27	3.67	4.27	9.96	203	43.78	132	88	57	0	0	1	1
HARTFORD	65	43	74	34	54	2	0.71	-0.09	0.71	9.61	182	42.70	122	87	49	0	0	1	1
DC WASHINGTON	72	51	81	46	61	2	1.70	1.01	1.51	11.86	228	41.76	133	92	48	0	0	2	1
FL PANAMA CITY	80	59	84	50	69	1	-	-	-	-	-	-	-	-	-	-	-	-	-
DAYTONA BEACH	78	65	81	51	72	-1	2.60	1.89	2.60	13.74	152	58.22	136	96	82	0	0	1	1
JACKSONVILLE	78	58	83	46	68	-4	0.00	-0.81	0.00	16.68	184	51.66	119	96	80	0	0	0	0
KEY WEST	82	74	84	70	78	-2	2.68	1.70	0.90	16.47	177	36.67	110	93	77	0	0	6	3
MIAMI	83	73	86	67	78	-1	2.74	1.48	0.91	16.50	137	53.43	107	94	71	0	0	6	3
ORLANDO	82	66	86	63	74	-2	0.10	-0.39	0.09	9.21	122	53.50	124	96	61	0	0	2	0
TALLAHASSEE	81	52	86	40	66	-2	0.00	-0.81	0.00	10.14	139	46.32	83	94	46	0	0	0	0
TAMPA	84	67	87	64	76	1	0.51	0.11	0.51	8.50	117	42.91	108	91	59	0	0	1	1
WEST PALM BEACH	83	73	86	62	78	0	0.90	-0.86	0.51	9.73	80	36.22	71	90	68	0	0	4	1
GA ATLANTA	75	49	83	38	62	0	0.13	-0.56	0.13	4.79	91	36.98	89	86	38	0	0	1	0
AUGUSTA	77	44	81	35	61	-3	0.01	-0.63	0.01	4.86	102	32.54	86	98	41	0	0	1	0
MACON	77	44	82	36	60	-4	0.02	-0.45	0.02	4.88	120	30.37	82	98	41	0	0	1	0
SAVANNAH	79	53	84	42	68	-1	0.00	-0.52	0.00	6.23	106	29.07	67	95	52	0	0	0	0
HI HILO	86	70	87	68	77	1	7.41	5.26	4.43	14.02	101	96.98	98	96	66	0	0	7	4
HONOLULU	90	76	91	73	83	3	0.06	-0.47	-	0.84	40	12.29	86	78	48	3	0	-	-
KAHULUI	89	73	92	68	81	3	-	-	-	-	-	-	-	79	51	2	0	-	-
LIHUE	-	78	-	72	-	-	-	-	-	-	-	-	-	81	69	0	0	-	-
ID BOISE	58	36	70	28	47	-4	0.04	-0.13	0.02	0.63	62	8.28	93	70	24	0	3	2	0
LEWISTON	56	40	62	29	48	-4	0.19	-0.01	0.06	1.29	96	12.76	130	78	36	0	1	4	0
POCATELLO	56	32	70	14	43	-4	0.00	-0.20	0.00	1.32	96	8.86	93	69	25	0	3	0	0
IL CHICAGO	67	47	78	32	57	5	0.62	0.00	0.27	3.50	68	26.94	91	92	52	0	1	4	0
MOLINE	71	46	80	27	58	5	0.32	-0.33	0.30	1.43	24	23.44	70	91	44	0	1	2	0
PEORIA	71	46	80	28	59	5	0.24	-0.34	0.18	1.81	33	23.61	78	88	46	0	1	2	0
QUINCY	72	49	81	34	61	8	-	-	-	-	-	-	-	83	43	0	0	-	-
ROCKFORD	67	44	78	27	56	5	0.86	0.21	0.86	2.53	46	37.12	121	96	47	0	1	1	1
SPRINGFIELD	73	48	84	28	61	5	0.66	0.08	0.66	1.86	37	26.21	90	90	46	0	1	1	1
IN EVANSVILLE	73	46	80	32	60	1	0.71	0.06	0.71	9.20	189	48.48	132	96	46	0	1	1	1
FORT WAYNE	69	46	79	32	57	5	0.80	0.26	0.58	4.89	118	36.29	129	90	48	0	1	2	1
INDIANAPOLIS	71	48	79	33	59	5	0.84	0.26	0.76	8.67	194	43.36	134	88	47	0	0	2	1
SOUTH BEND	68	46	78	32	57	5	1.50	0.81	1.46	4.56	83	36.17	115	86	46	0	1	2	1
IA DES MOINES	71	49	81	36	60	8	0.02	-0.61	0.02	4.22	75	28.67	96	86	48	0	0	1	0
SIoux CITY	72	43	82	34	58	6	0.42	-0.01	0.38	3.11	75	29.41	126	87	32	0	0	2	0
WATERLOO	70	42	79	25	56	6	0.00	-0.57	0.00	3.97	77	22.66	78	90	45	0	2	0	0
KS CONCORDIA	73	48	84	31	61	6	0.00	-0.44	0.00	6.07	141	22.67	86	78	34	0	1	0	0
DODGE CITY	75	47	86	28	61	4	0.00	-0.28	0.00	5.49	189	28.41	146	79	31	0	1	0	0
GOODLAND	74	36	86	22	56	3	0.00	-0.19	0.00	1.20	58	19.02	114	86	25	0	2	0	0
TOPEKA	74	51	82	36	63	7	0.00	-0.69	0.00	4.17	72	31.69	103	79	36	0	0	0	0
WICHITA	76	51	84	35	64	5	0.00	-0.66	0.00	4.09	72	20.87	69	78	41	0	0	0	0
KY BOWLING GREEN	73	44	81	33	59	1	0.88	0.22	0.47	7.99	146	46.28	112	98	41	0	0	2	0
LEXINGTON	71	48																	

Weather Data for the Week Ending October 19, 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	0.1 INCH OR MORE	
																		0.1 INCH OR MORE	0.5 INCH OR MORE
ME CARIBOU	46	28	58	24	37	-6	0.83	-0.06	0.46	4.67	88	32.46	113	82	48	0	8	2	0
ME PORTLAND	58	35	88	28	47	-1	0.10	-0.78	0.08	5.08	95	34.18	103	82	36	0	2	2	0
MD BALTIMORE	70	43	80	37	57	1	2.22	1.56	1.98	9.72	187	44.83	135	98	48	0	0	2	1
MD SALISBURY	71	47	82	38	58	2	2.05	1.28	1.57	9.80	170	47.86	128	98	54	0	0	2	1
MA BOSTON	64	46	73	37	55	0	0.02	-0.72	0.02	8.30	186	35.78	112	75	38	0	0	1	0
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MI ALPENA	58	37	78	27	48	1	0.98	0.50	0.52	7.07	181	22.43	94	96	61	0	2	2	1
MI DETROIT	86	48	75	40	58	5	0.03	-0.44	0.03	4.38	108	19.54	74	86	50	0	0	1	0
MI FLINT	84	44	75	34	54	4	0.39	-0.08	0.31	3.81	78	19.81	80	90	80	0	0	2	0
MI GRAND RAPIDS	85	46	78	35	58	6	0.72	0.11	0.70	3.92	86	21.93	78	88	52	0	0	2	1
MI HOUGHTON LAKE	82	39	72	33	51	4	0.15	-0.32	0.14	5.04	108	28.46	122	93	52	0	0	2	0
MI LANSING	84	42	75	35	53	5	0.85	0.08	0.39	3.58	85	22.83	88	94	54	0	0	2	0
MI MARQUETTE	57	34	72	25	48	2	1.30	0.49	1.25	5.61	88	34.55	121	94	65	0	2	3	1
MI MUSKEGON	83	46	77	33	54	4	1.41	0.80	1.41	4.43	79	21.82	88	90	54	0	0	1	1
MI SAULT ST. MARIE	55	38	84	32	48	1	1.28	0.58	0.94	9.01	159	33.61	128	98	58	0	2	3	1
MN ALEXANDRIA	81	40	89	32	50	4	2.27	1.75	1.58	-	-	-	-	82	39	0	1	2	2
MN DULUTH	58	38	89	31	48	5	1.10	0.58	1.00	6.24	115	28.24	108	86	43	0	2	3	1
MN INT'L FALLS	58	38	87	29	48	3	1.84	1.21	1.51	4.41	99	22.72	104	92	47	0	3	4	1
MN MINNEAPOLIS	86	42	75	32	54	6	1.43	0.94	0.81	2.70	86	17.82	71	84	39	0	1	3	1
MN ROCHESTER	88	40	78	27	53	5	0.87	0.16	0.47	2.84	57	22.48	86	90	41	0	2	3	0
MS GREENWOOD	79	49	83	38	64	0	0	-	-	-	-	-	-	94	36	0	0	-	-
MS JACKSON	78	48	85	36	63	0	0.00	-0.74	0.00	1.49	30	45.21	108	94	39	0	0	0	0
MS MERIDIAN	77	46	86	35	62	-2	0.10	-0.57	0.10	4.09	78	46.53	104	98	39	0	0	1	0
MO CAPE GIRARDEAU	78	47	82	34	61	3	0.54	-0.12	0.54	5.84	105	30.94	84	93	37	0	0	1	1
MO COLUMBIA	73	47	81	32	60	5	0.02	-0.72	0.02	6.52	108	31.35	99	87	42	0	1	1	0
MO KANSAS CITY	73	51	81	37	62	8	0.00	-0.72	0.00	2.20	31	29.98	90	79	46	0	0	0	0
MO SAINT LOUIS	75	52	83	35	63	5	0.90	0.31	0.90	3.94	83	33.63	111	80	43	0	0	1	1
MO SPRINGFIELD	73	47	80	33	60	3	0.00	-0.81	0.00	7.44	108	28.29	79	89	47	0	0	0	0
MT BILLINGS	58	37	78	28	47	-2	0.10	-0.15	0.05	1.72	82	10.48	80	84	30	0	1	2	0
MT GLASGOW	57	33	73	25	45	-1	0.03	-0.11	0.03	2.97	208	8.34	82	75	33	0	3	1	0
MT GREAT FALLS	53	32	71	17	42	-5	0.21	0.04	0.14	1.88	97	8.33	62	78	32	0	4	3	0
MT HAVRE	58	30	71	21	43	-2	0.45	0.34	0.31	2.04	132	10.20	101	84	35	0	4	3	0
MT HELENA	53	32	67	21	43	-2	0.01	-0.12	0.01	0.52	34	8.50	82	73	29	0	3	1	0
MT KALISPELL	48	32	58	19	40	-1	0.80	0.41	0.21	2.39	134	18.44	140	93	53	0	3	5	0
MT MILES CITY	82	37	83	24	49	2	0.12	-0.08	0.12	1.02	55	11.17	88	73	28	0	2	1	0
MT MISSOULA	52	33	68	20	43	-1	0.32	0.15	0.14	1.01	84	12.89	113	85	41	0	2	5	0
NE GRAND ISLAND	72	43	85	28	58	5	0.00	-0.29	0.00	3.02	81	28.94	118	84	35	0	1	0	0
NE LINCOLN	73	48	84	36	61	7	0.00	-0.46	0.00	3.82	79	32.38	127	85	40	0	0	0	0
NE NORFOLK	71	42	85	30	57	8	0.06	-0.30	0.06	3.25	93	21.39	93	88	38	0	1	1	0
NE NORTH PLATTE	69	34	84	21	51	2	0.19	-0.02	0.19	5.83	283	24.31	136	90	32	0	3	1	0
NE OMAHA	74	49	83	36	62	8	0.00	-0.50	0.00	4.88	94	27.10	102	82	41	0	0	0	0
NE SCOTTSBLUFF	69	30	84	18	49	0	0.10	-0.08	0.08	2.54	181	15.10	109	88	21	0	4	2	0
NE VALENTINE	70	33	84	22	51	-1	0.30	0.04	0.21	4.79	163	15.50	75	94	30	0	3	2	0
NV ELY	82	24	74	11	43	-3	0.08	-0.13	0.08	0.45	28	5.34	82	83	12	0	7	1	0
NV LAS VEGAS	84	59	92	51	72	4	0.00	-0.08	0.00	0.00	0	0.91	29	29	14	1	0	0	0
NV RENO	63	32	71	26	47	-3	0.00	-0.08	0.00	0.45	82	7.89	144	71	23	0	3	0	0
NH WINNEMUCCA	81	28	71	21	45	-4	0.00	-0.14	0.00	0.59	81	8.72	109	59	19	0	5	0	0
NH CONCORD	81	34	88	27	47	0	0.07	-0.68	0.04	3.98	85	31.31	110	86	36	0	4	2	0
NJ ATLANTIC CITY	70	45	81	36	57	3	2.23	1.80	1.93	9.75	213	42.09	130	94	46	0	0	2	1
NM ALBUQUERQUE	73	49	80	40	61	5	0.00	-0.20	0.00	2.15	138	7.98	104	51	20	0	0	0	0
NM CLOVIS	75	47	88	38	61	3	-	-	-	-	-	-	-	72	24	0	0	-	-
NM ROSWELL	82	51	90	38	66	5	-	-	-	-	-	-	-	88	20	1	0	-	-
NY ALBANY	61	39	89	30	50	0	0.09	-0.54	0.05	5.98	128	35.50	122	87	58	0	1	2	0
NY BINGHAMTON	90	42	73	28	51	3	0.99	0.38	0.97	6.28	124	35.43	119	82	58	0	1	2	1
NY BUFFALO	84	48	77	33	55	4	2.03	1.34	1.41	10.11	190	38.54	132	90	58	0	0	3	2
NY NEW YORK	88	52	78	45	60	3	0.94	0.27	0.94	6.80	132	35.43	105	83	48	0	0	1	1
NY ROCHESTER	84	43	75	29	54	3	3.28	2.73	2.88	9.31	210	36.90	145	93	59	0	1	3	1
NY SYRACUSE	82	42	70	29	52	2	1.01	0.29	0.67	5.83	101	29.40	96	88	58	0	1	4	1
NC ASHEVILLE	70	40	78	34	55	0	0.03	-0.99	0.03	5.99	80	38.58	84	95	45	0	0	1	0
NC CHARLOTTE	75	49	80	40	62	1	0.05	-0.71	0.05	6.03	108	34.28	97	89	37	0	0	1	0
NC GREENSBORO	73	48	80	39	59	1	0.81	0.01	0.81	14.82	259	44.25	126	93	42	0	0	1	1
NC HATTERAS	72	55	79	49	63	-2	0.15	-0.98	0.11	8.59	103	-	-	92	54	0	0	2	0
NC NEW BERN	77	53	83	44	65	2	0.43	-0.22	0.43	14.52	208	50.95	110	94	44	0	0	1	0
NC RALEIGH	78	48	81	38	61	2	0.58	-0.05	0.58	20.00	407	50.31	147	98	49	0	0	1	1
NC WILMINGTON	77	52	82	44	64	1	0.09	-0.80	0.09	19.39	217	60.28	124	92	44	0	0	1	0
ND BISMARCK	81	34	70	22	48	2	0.00	-0.20	0.00	2.78	134	16.53	116	75	31	0	2	0	0
ND FARGO	82	40	72	30	51	5	0.03	-0.35	0.02	3.10	100	12.71	72	73	34	0	1	2	0
ND GRAND FORKS	80	38	73	29	49	5	0.02	-0.26	0.02	1.70	55	13.04	78	75	32	0	1	1	0
ND WILLISTON	80	31	89	19	48	1	0.04	-0.13	0.04	2.20	118	10.70	86	77	28	0	3	1	0
OH AKRON-CANTON	85	45	74	39	55	3	1.86	1.15	1.14	8.12	172	34.38	115	94	58	0	0	2	2
OH CINCINNATI	71	47	79	30	59	4	0.86	0.22	0.84	6.44	141	43.50	129	89	49	0	1	3	1
OH CLEVELAND	87	48	75	40	58	5	2.54	1.99	1.94	14.52	292	37.09	126	95	68	0	0	2	2
OH COLUMBUS	70	48	77	38	58	7	0.80	0.28	0.80	6.48	143	39.38	129	85	44	0	0	1	1
OH DAYTON	89	47	78	34	58	4	0.19	-0.37	0.17	6.83	187	43.81	148	85	48	0	0	2	0

Based on 1981-90 normals

Weather Data for the Week Ending October 19, 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	06 INCH OR MORE		
OK TOLEDO	89	48	78	40	58	8	0.19	-0.28	0.08	3.15	77	23.23	88	82	51	0	0	3	0		
OK YOUNGSTOWN	84	45	73	36	55	4	1.54	0.96	1.17	8.71	172	34.59	114	92	58	0	0	2	1		
OK OKLAHOMA CITY	76	51	83	39	64	2	0.00	-0.72	0.00	6.44	108	32.56	112	84	41	0	0	0	0		
OR TULSA	77	52	84	38	64	2	0.02	-0.79	0.02	5.11	73	18.33	54	79	38	0	0	1	0		
OR ASTORIA	58	42	80	38	49	-3	4.55	3.25	1.00	9.32	154	55.77	128	95	80	0	0	7	4		
OR BURNS	53	24	59	12	38	-7	0.31	0.14	0.31	1.03	110	9.23	126	90	29	0	8	1	0		
OR MEDFORD	62	40	69	33	51	-4	0.73	0.40	0.80	1.22	75	15.91	137	89	35	0	0	3	1		
OR PENDLETON	58	39	64	27	48	-3	0.28	0.09	0.20	0.92	87	9.77	115	84	37	0	1	2	0		
OR PORTLAND	55	45	61	39	50	-4	1.82	1.22	0.78	5.80	182	37.88	180	94	83	0	0	6	1		
OR SALEM	56	41	62	32	49	-4	1.99	1.32	0.91	4.48	142	39.71	161	96	82	0	1	6	1		
PA ALLENTOWN	68	45	78	38	55	3	3.79	3.18	3.55	11.58	205	44.05	128	89	53	0	0	3	1		
PA ERIE	66	49	74	38	57	5	0.95	0.12	0.78	12.47	196	42.07	129	91	87	0	0	2	1		
PA HARRISBURG	68	50	79	45	60	5	2.78	2.12	-	7.20	138	42.26	130	94	54	0	0	-	-		
PA PHILADELPHIA	69	49	80	43	59	5	2.36	1.67	2.01	9.13	151	41.91	113	92	57	0	0	2	1		
PA PITTSBURGH	67	44	74	37	55	3	1.80	1.08	1.08	7.41	169	38.67	128	90	51	0	0	2	2		
PA SCRANTON	63	44	73	35	63	2	2.04	1.43	1.86	6.35	127	37.01	126	91	55	0	0	2	1		
RI PROVIDENCE	65	42	74	37	54	0	0.47	-0.36	0.47	8.57	151	36.56	103	86	44	0	0	1	0		
SC CHARLESTON	77	54	82	44	68	-1	0.29	-0.34	0.29	9.41	144	36.41	81	93	52	0	0	1	0		
SC COLUMBIA	77	47	82	37	62	-1	0.02	-0.67	0.02	4.80	87	29.40	69	83	38	0	0	1	0		
SC FLORENCE	77	50	82	39	63	0	-	-	-	-	-	-	-	99	45	0	0	-	-		
SC GREENVILLE	74	47	79	40	61	1	0.01	-0.90	0.01	5.27	82	42.84	102	91	47	0	0	1	0		
SD ABERDEEN	63	38	79	30	51	4	0.43	0.11	0.30	5.78	201	19.77	102	81	35	0	2	2	0		
SD HURON	66	39	83	29	52	4	1.52	1.19	0.97	3.20	119	16.19	86	83	36	0	1	2	2		
SD RAPID CITY	64	33	77	20	49	0	0.98	0.73	0.49	2.29	118	17.41	114	84	31	0	2	3	0		
TN SIOUX FALLS	66	40	81	32	53	5	1.23	0.84	0.72	4.18	99	16.20	75	86	42	0	1	2	2		
TN CHATTANOOGA	73	44	80	37	58	-1	0.48	-0.24	0.48	7.61	126	44.94	106	94	43	0	0	1	0		
TN KNOXVILLE	71	44	78	35	58	0	0.37	-0.26	0.37	4.01	85	37.67	100	96	42	0	0	1	0		
TN MEMPHIS	75	52	80	41	63	1	0.59	-0.07	0.59	6.53	124	51.72	129	82	37	0	0	1	1		
TN NASHVILLE	75	48	81	38	61	1	0.83	0.26	0.83	5.80	112	36.18	96	91	38	0	0	1	1		
TX ABILENE	78	56	85	38	67	0	0.00	-0.56	0.00	6.08	125	22.88	106	73	34	0	0	0	0		
TX AMARILLO	78	47	87	29	62	4	0.00	-0.31	0.00	1.86	65	18.39	102	68	25	0	1	0	0		
TX AUSTIN	81	60	90	48	71	0	0.04	-0.74	0.03	3.05	55	21.39	81	88	42	1	0	2	0		
TX BEAUMONT	79	59	85	49	69	0	0.75	-0.18	0.75	11.56	129	37.58	82	98	53	0	0	1	1		
TX BROWNSVILLE	84	63	89	59	74	-2	0.00	-0.59	0.00	19.81	245	27.03	117	98	45	0	0	0	0		
TX CORPUS CHRISTI	86	63	94	57	75	1	0.08	-0.59	0.05	3.55	47	16.45	62	92	41	2	0	2	0		
TX DEL RIO	82	62	93	55	72	2	0.00	-0.99	0.00	2.35	50	9.43	44	74	35	1	0	0	0		
TX EL PASO	83	57	91	51	70	6	0.00	-0.16	0.00	1.24	58	8.94	116	45	19	1	0	0	0		
TX FORT WORTH	80	58	85	46	69	4	0.00	-0.90	0.00	1.51	20	20.55	65	79	38	0	0	0	0		
TX GALVESTON	78	69	83	61	74	1	0.38	-0.23	0.24	3.44	45	15.88	46	85	67	0	0	2	0		
TX HOUSTON	80	58	88	48	69	1	0.12	-0.87	0.12	8.20	97	29.96	71	92	47	0	0	1	0		
TX LUBBOCK	80	52	88	33	66	5	0.00	-0.41	0.00	0.59	15	12.86	77	65	23	0	0	0	0		
TX MIDLAND	81	53	88	39	67	2	0.00	-0.27	0.00	0.97	23	7.45	54	67	29	0	0	0	0		
TX SAN ANGELO	80	55	87	45	68	2	0.00	-0.54	0.00	2.06	41	18.78	94	78	34	0	0	0	0		
TX SAN ANTONIO	83	60	91	47	72	2	0.00	-0.72	0.00	3.74	89	12.53	49	85	42	1	0	0	0		
TX VICTORIA	83	60	89	49	72	1	0.14	-0.81	0.14	5.48	80	22.38	80	91	43	0	0	1	0		
TX WACO	81	56	90	43	69	0	0.02	-0.74	0.02	1.93	34	18.83	71	82	39	1	0	1	0		
TX WICHITA FALLS	78	53	85	40	66	2	0.00	-0.70	0.00	5.06	87	17.99	71	82	39	0	0	0	0		
UT CEDAR CITY	67	38	77	28	52	1	0.00	-0.22	0.00	0.98	63	9.38	100	65	20	0	3	0	0		
UT SALT LAKE CITY	66	40	85	29	53	0	0.51	0.18	0.41	1.54	70	12.93	99	71	24	0	1	2	0		
VT BURLINGTON	56	36	64	31	46	-2	0.02	-0.61	0.02	3.87	77	32.69	117	80	42	0	3	1	0		
VA NORFOLK	73	51	80	45	62	1	1.16	0.46	0.84	6.87	117	45.17	121	92	49	0	0	2	1		
VA RICHMOND	73	48	80	44	61	3	2.97	2.17	2.97	13.94	250	45.80	129	93	33	0	0	1	1		
VA ROANOKE	72	48	79	41	60	4	0.19	-0.89	0.19	8.11	138	44.17	131	88	48	0	0	1	0		
WA QUILLAYUTE	53	39	58	33	46	-4	5.16	2.73	2.00	12.14	111	63.94	91	96	80	0	0	6	3		
WA SEATTLE-TACOMA	52	43	56	36	48	-5	2.11	1.38	0.81	4.91	135	32.75	136	96	68	0	0	5	2		
WA SPOKANE	50	33	56	25	42	-5	1.44	1.22	0.73	2.26	184	15.17	132	97	54	0	3	5	1		
WA YAKIMA	56	30	61	25	43	-6	0.23	0.12	0.17	0.58	90	6.11	115	88	42	0	4	3	0		
WV BECKLEY	67	43	75	35	55	3	0.59	-0.05	0.59	8.29	182	47.72	141	92	53	0	0	1	1		
WV CHARLESTON	70	46	78	37	57	2	0.93	0.29	0.98	8.91	180	48.52	141	98	52	0	0	2	1		
WV HUNTINGTON	71	47	77	36	59	6	0.76	0.10	0.76	5.29	107	42.47	121	93	50	0	0	1	1		
WV PARKERSBURG	71	46	79	34	59	4	0.38	-0.23	0.32	6.43	141	41.24	121	91	51	0	0	2	0		
WI GREEN BAY	64	38	77	23	50	2	0.57	0.09	0.57	2.26	47	20.88	85	92	50	0	3	1	1		
WI LACROSSE	69	43	79	30	56	6	0.09	-0.39	-	1.96	37	21.41	80	87	40	0	1	-	-		
WI MADISON	66	40	75	26	53	3	0.74	0.21	0.45	2.11	40	25.72	93	95	51	0	1	2	0		
WI MILWAUKEE	67	49	77	35	58	8	0.49	-0.04	0.28	2.86	59	18.60	68	84	47	0	0	2	0		
WI WAUSAU	65	37	77	27	51	4	1.35	0.78	0.99	3.94	65	29.21	102	92	36	0	1	3	1		
WY CASPER	59	34	79	23	46	0	0.83	0.41	0.54	1.12	72	8.07	75	69	27	0	3	2	1		
WY CHEYENNE	61	34	77	23	48	1	0.18	0.01	0.18	2.63	151	15.07	114	85	24	0	3	2	0		
WY LANDER	59	32	77	22	45	-1	0.07	-0.18	0.05	0.78	43	7.17	84	83	21	0	4	2	0		
WY SHERIDAN	59	32	86	21	45	-1	0.17	-0.10	0.10	1.19	56	10.83	84	80	36	0	2	3	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.

National Agricultural Summary

October 14 - 20, 1996

HIGHLIGHTS

Strong winds and heavy rains associated with Hurricane Lili delayed fieldwork in Florida's vegetable region and scarred some fruit. Rains over the western Corn Belt interrupted harvest activity, but provided much-needed soil moisture for fall tillage. Crops in the Central States matured rapidly, but harvest activity was unable to keep pace with the ripening crops. As Midwestern farmers completed the soybean harvest, many started to concentrate on harvesting

their corn crop, but were restrained by the high-moisture content of corn in the field. A hard freeze in the central High Plains caused little or no damage to mature row crops. Frost dipped into the central Corn Belt, where harvest activity was over a week behind normal, but the crops were mature enough to withstand the frost. Some row-crop producers in the Midwest reported that a hard freeze was needed to lower the moisture content of the grain.

The **winter wheat** crop in the 19 major producing States was 85 percent (%) planted, up 12 percentage points from last week, 2 points ahead of the 5-year average. Winter wheat emerged for the major producing States was 63% complete, up 19 points from last week and 3 points ahead of the average. Planting progress in the eastern Corn Belt remained behind the average due to the prolonged row-crop harvest. Illinois at 57% complete increased 28 points from last week, but remained 18 points behind the average. Planting progress in Ohio at 64% complete increased 29 points from last week, but remained 18 points behind the average. Wheat acreage seeded in Texas at 91% complete was 18 points ahead of the average, while winter wheat emerged was 24 points ahead. Frost in the Texas High Plains may have caused some scattered damage to emerged fields. Cool weather in the Pacific Northwest slowed wheat growth, but rain and wet snow helped the crop to germinate.

Corn mature at 95% complete was up 5 points from last week. Corn harvested at 30% complete was up 10 points from last week but 16 points behind normal. The cool weather slowed the dry down of corn remaining in the field, forcing producers to choose between delaying the harvest and waiting for corn to naturally dry to acceptable levels, or harvesting and artificially drying the crop. In Iowa corn moisture averaged 23 percent, compared with 20 percent for this time last year. Corn harvested in Illinois and Ohio was 21 points behind the average, while Iowa and Indiana were over 21 points behind.

Cotton condition was 59 percent good to excellent in the 14 major producing States, unchanged from last week. Cotton bolls opening was 93% complete, up 5 points from last week and 5 points ahead of the average for the Nation. Cotton acreage harvested was estimated at 45%, up 10 points from last week but 1 point behind the average. Harvest activity was slowed in the mid-Atlantic States by rainy weather associated with Hurricane Lili. Cotton defoliation was winding down in California's San Joaquin and Sacramento Valleys, where some regrowth required producers to apply additional defoliant. Cool weather at week's end slowed cotton bolls opening in the Texas High Plains.

Sorghum acreage mature at 92% was up 8 points from last week and 1 point ahead of the average. Sorghum harvested at 50% complete was up 12 points from the previous week but 10 points below the average. In Nebraska, sorghum harvested at 15% complete was up 7 points from last week, but 34 points behind the average. High grain moisture levels slowed sorghum harvest activity in the Central States. The cool weather slowed sorghum development in the Texas High Plains, with minimal damage from the frost.

Soybean dropping leaves at 95% complete was up 6 points from last week. Soybean acreage harvested at 63% was up 23 points from last week but 7 points less than the average. Ohio's soybean harvest at 45% complete was up 23 points from the previous week, but 34 points behind normal. Indiana's soybean harvest at 54% complete was up 27 points from the previous week, 30 points behind the average.

Crop Progress and Condition

Week Ending October 20, 1996

Soybeans Percent Dropping Leaves

	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AL	85	69	81	76
AR	78	60	77	71
GA	87	73	83	88
IL	97	90	100	100
IN	100	98	100	100
IA	99	96	100	100
KS	96	91	100	98
KY	87	75	97	91
LA	99	85	94	83
MI	100	99	100	100
MN	99	99	99	99
MS	92	83	95	85
MO	93	77	94	96
NE	100	99	100	100
NC	71	45	73	70
OH	95	90	100	100
SC	43	24	33	42
SD	100	100	100	100
TN	91	85	94	89
ALL	95	89	96	95

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

Soybeans Percent Harvested

	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AL	32	13	24	24
AR	38	23	46	35
GA	11	3	8	12
IL	60	34	90	86
IN	54	27	91	84
IA	83	59	86	86
KS	61	30	64	65
KY	23	10	48	30
LA	85	57	71	55
MI	40	14	77	57
MN	95	81	71	80
MS	66	53	72	46
MO	46	24	52	52
NE	91	64	76	85
NC	8	7	7	8
OH	45	22	80	79
SC	5	3	2	4
SD	84	46	58	72
TN	18	9	28	21
ALL	63	40	72	70

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

Winter Wheat Percent Planted

	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AR	34	15	32	31
CA	10	5	3	4
CO	98	93	91	97
GA	6	3	12	9
ID	91	79	76	83
IL	57	29	78	75
IN	60	27	79	76
KS	94	82	95	94
MI	82	42	91	84
MO	51	33	60	52
MT	95	88	94	88
NE	99	98	99	100
NC	25	16	27	26
OH	64	35	93	82
OK	90	74	79	87
OR	81	69	71	70
SD	97	93	98	100
TX	91	85	70	73
WA	97	94	94	91
ALL	85	73	82	83

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

Winter Wheat Percent Emerged

	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AR	11	7	10	15
CA	1	0	1	1
CO	89	68	84	89
GA	3	1	5	4
ID	53	34	46	50
IL	22	6	30	35
IN	26	5	36	38
KS	74	44	69	70
MI	40	15	70	60
MO	24	11	26	27
MT	61	43	67	59
NE	91	73	93	94
NC	7	0	6	9
OH	26	10	48	41
OK	57	35	36	54
OR	43	27	37	36
SD	81	71	86	91
TX	78	69	48	54
WA	91	71	79	73
ALL	63	44	56	60

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

Corn Percent Mature

	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
CO	99	95	91	90
GA	100	100	100	100
IL	94	89	100	99
IN	93	84	100	99
IA	98	94	100	99
KS	100	100	100	100
KY	100	100	100	99
MI	95	73	100	86
MN	99	97	99	86
MO	100	98	98	99
NE	100	97	100	99
NC	100	100	100	100
OH	81	56	100	93
PA	81	75	96	82
SD	98	96	97	91
TX	100	100	100	100
WI	80	72	100	84
ALL	95	90	99	95

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

Corn Percent Harvested

	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
CO	36	18	12	32
GA	95	93	97	97
IL	35	22	73	56
IN	23	15	69	48
IA	17	8	46	39
KS	70	53	57	74
KY	75	64	88	75
MI	13	10	43	28
MN	25	15	54	36
MO	62	54	54	61
NE	22	13	31	42
NC	88	77	91	87
OH	15	9	41	36
PA	30	21	55	31
SD	19	7	34	36
TX	94	91	91	95
WI	12	8	48	29
ALL	30	20	54	48

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

Crop Progress and Condition

Week Ending October 20, 1996

Cotton Percent Bolls Opening				
	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AL	95	90	96	90
AZ	100	100	100	100
AR	99	99	99	97
CA	100	100	100	100
GA	91	90	92	90
LA	100	100	100	100
MS	100	100	100	100
MO	100	100	96	95
NM	100	95	97	97
NC	100	98	100	99
OK	71	66	49	70
SC	97	93	90	94
TN	100	100	100	100
TX	87	75	76	75
ALL	93	88	88	88

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

Cotton Percent Harvested				
	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AL	53	38	65	51
AZ	35	26	29	49
AR	68	46	70	60
CA	42	25	15	43
GA	45	29	49	37
LA	82	72	88	77
MS	78	66	86	63
MO	62	57	58	62
NM	21	13	12	13
NC	35	20	32	36
OK	10	4	4	19
SC	54	40	35	34
TN	73	59	51	53
TX	24	21	37	37
ALL	45	35	47	48

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

Sorghum Percent Mature				
	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CO	75	51	80	81
IL	93	70	77	93
KS	93	83	93	90
LA	100	100	100	100
MS	100	100	100	100
MO	93	88	91	94
NE	93	84	100	97
NM	36	35	23	69
OK	78	53	66	72
SD	98	93	96	93
TX	97	94	97	93
ALL	92	84	92	91

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

Sorghum Percent Harvested				
	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AR	96	94	96	95
CO	39	12	36	34
IL	19	6	40	52
KS	45	25	54	51
LA	100	100	99	98
MS	97	95	100	97
MO	58	45	58	61
NE	15	8	62	49
NM	1	0	4	15
OK	20	18	17	23
SD	56	17	44	49
TX	71	68	88	83
ALL	50	38	64	60

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

Peanuts Percent Harvested				
	Oct 20 1996	Prev Week	Prev Year	5-Yr Avg
AL	71	44	82	83
FL	80	67	NA	NA
GA	73	56	84	83
NC	55	32	54	56
OK	49	30	47	46
SC	74	55	69	64
TX	36	23	30	33
VA	85	75	92	86
ALL	64	46	68	68

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

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	2	3	15	68	12
AZ	0	4	37	50	9
AR	0	5	30	52	13
CA	0	0	0	65	35
GA	1	13	37	35	14
LA	0	13	51	34	2
MS	1	5	28	51	15
MO	0	10	28	57	5
NM	0	3	32	34	31
NC	2	7	35	49	7
OK	2	35	37	23	3
SC	0	2	26	60	12
TN	0	2	16	66	16
TX	8	14	29	33	16
ALL	3	10	28	44	15
Prev Wk	2	10	29	44	15
Prev Yr	5	16	42	34	3

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

* Revised

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

State Agricultural Summaries

These summaries, issued weekly through the summer growing season, provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by NASS State Statistical Offices in cooperation with the National Weather Service. The crop weather reports are also available on the Internet through the NASS Home Page on the World Wide Web at <http://www.usda.gov/nass/> or from JAWF at <http://www.usda.gov/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 6.5. Topsoil 18% short, 79% adequate, 3% surplus. Corn harvested 94%, 100% 1995, 92% avg. Wheat planted 22%, 24% 1995, 31% avg. Livestock 2% poor, 28% fair, 57% good, 13% excellent. Clear weather provided excellent harvest conditions. Peanut harvest pace was brisk as fields were dry enough for digging and combining to resume.

ARIZONA: Temperatures were again above normal; and precipitation was scattered. Alfalfa 1% poor, 21% fair, 44% good, 34% excellent. Harvest activity 2% light, 38% moderate, 40% active, 20% no activity. Melon harvest was active in the central area. Cantaloupe, honeydews provided bulk of volume. Also, watermelon, specialty melons available. Mixed greens, green onions, and radishes were also harvested from the central area. Western growers cut cantaloupe; eastern growers harvested iceberg lettuce. Apple harvest was active in eastern orchards. Lemon harvest was active, and grapefruit harvest was increasing in both the western areas and in the groves.

ARKANSAS: Main farming activities: Ginning cotton, seeding cool season forage, preparing for and planting wheat, oats, and winter annuals, harvesting cotton, rice, corn, sorghum, soybeans, hay. Soybean harvest continued in many counties. Cotton harvest and ginning progressed in several counties. Stalk shredding was reported by numerous counties. Dumas Cotton Classing Office reported that 251,993 bales had been classed as of October 17, 1996. Wheat, oats plantings were reported by several counties. Most counties reported rice, corn, sorghum harvests were near completion. Seeding cool season pastures was reported by many counties. Fertilizer applications to pastures were reported by numerous counties. Livestock continued to be in good condition across State. Weaning, vaccinating, selling cattle continued. Hay harvest near completion.

CALIFORNIA: Field activities were slowed by late-week rainfall in the central and northern counties. Elsewhere, fieldwork progressed rapidly. Rice harvest was active in the Sacramento and San Joaquin Valleys. Rice blast disease continued to cause reduced yields in Glenn and Colusa Counties. Planting gradually gained momentum in wheat, barley, oats, winter forage, new alfalfa fields. In other areas, conditions permitting, ground preparation for small grains, forage crops was ongoing. Cotton defoliation was winding down in the San Joaquin and Sacramento Valleys. Re-growth necessitated some second defoliant applications in Tulare County. Harvest was in full swing in the San Joaquin Valley, was virtually complete in the desert areas. Black eye and lima beans, old-crop sugar beets, corn for grain, and silage were harvested. Some dry bean stubble was baled for straw. New crop sugar beets were planted in the San Joaquin Valley. Emerged fields in the Imperial Valley were sprayed for whitefly. Established alfalfa was cut for hay. Picking of late season table grape varieties was active, as wine grape harvest was winding down. Granny Smith, Fuji variety apple picking continued. Almond, pistachio harvests were virtually complete, walnut harvest continued. Olive harvest remained active, with heavy yields reported. Valencia orange picking was nearly complete in the Central Valley, but was active in the southern areas. New crop navel orange picking continued in Kern County. Satsuma mandarin harvest was also underway. Harvest of lettuce continued along the coast, started in the

San Joaquin Valley. Carrots were harvested in Fresno County. Broccoli was harvested in Monterey and San Luis Obispo Counties. Fresh market tomato harvesting continued. Sweet corn was harvested in the Sacramento and San Joaquin Valleys. Tulelake-Butte Valley area potatoes were harvested. Green beans were harvested in Tulare County. Sweetpotato harvest continued in the San Joaquin Valley. The harvest of cantaloupe, honeydew melons progressed in the Imperial Valley, winding down in the San Joaquin Valley. Pumpkins were harvested in the San Joaquin and Sacramento Valleys. Rangeland conditions were seasonally normal, with supplemental feeding provided for condition maintenance. Scattered late-week rains did little to improve forage quality. Frosts were reported in higher areas. Condition of cattle, sheep remained good.

COLORADO: Days suitable for fieldwork 6.2. Topsoil 5% very short, 21% short, 73% adequate, 1% surplus. Subsoil 9% very short, 13% short, 77% adequate, 1% surplus. Winter wheat 1% very poor, 2% poor, 21% fair, 48% good, 28% excellent. Sorghum 98% turning color, 96% 1995, 94% avg.; 1% very poor, 2% poor, 15% fair, 60% good, 22% excellent. Corn silage 97% harvested, 94% 1995, 98% avg.; 2% very poor, 3% poor, 11% fair, 62% good, 22% excellent. Dry beans 99% harvested, 89% 1995, 95% avg. Sugar beets 59% harvested, 53% 1995, 43% avg. Fall potatoes 99% harvested, 92% 1995, 93% avg. Alfalfa hay 94% 3rd cutting, 89% 1995, 88% avg.; 56% 4th cutting, 33% 1995, 50% avg. Colorado received a hard killing freeze on the night of the 17th. However, all the crops were mature to the point where yield potential will not be affected. Winter wheat condition improved significantly as good moisture was received, warm weather was prevalent.

DELAWARE: Days suitable for fieldwork 4.0. Topsoil 2% short, 83% adequate, 15% surplus. Subsoil 4% short, 94% adequate, 2% surplus. Corn 97% mature, 100% 1995, 100% avg.; 66% harvested for grain, 91% 1995, 77% avg. Soybeans 70% shedding leaves, 91% 1995, 83% avg.; 15% harvested, 25% 1995, 22% avg. Sorghum 16% harvested, 43% 1995, 28% avg. Apples 93% harvested, 90% 1995, 88% avg. Alfalfa hay 88% 4th cutting, 75% 1995, 92% avg. Other hay 98% 3rd cutting, 100% 1995, 98% avg.; 70% 4th cutting, 56% avg. Barley 49% planted, 55% 1995, 59% avg. Winter wheat 10% seeded, 23% 1995, 23% avg. Rye 43% planted, 23% 1995, 43% avg. Emerged small grains mostly good condition. Hay supplies 2% very short, 28% short, 69% adequate, 1% surplus. Corn, soybean yields good, but some wind damage may increase harvest losses. Activities: Harvesting field crops and hay, and planting small grain crops, while the apple harvest was winding down.

FLORIDA: Topsoil moisture is mostly adequate to surplus throughout State. Peanut harvest is 80% complete. Wet fields delaying cotton, peanut harvest. Tobacco markets closed. Haying active. Soybean growers starting harvest. Sugarcane mills starting to open for harvest season. Rains delayed some fieldwork over the central and southern Peninsula vegetable areas. Wind and rain from Hurricane Lili's bands tossed plants, and scarred some fruit in some localities. Tomato picking beginning in Palmetto-Ruskin region. Vegetable volume leaders: Sweet corn, tomatoes, okra, cucumbers, snap beans, eggplant, peppers, watermelons, cantaloupes, pumpkins. In the southern citrus areas, both coasts received lots of

rain, and groves are showing signs of cool weather and shorter days with hardened foliage, harvest of early fruit increasing, shipping white, colored grapefruit, Navels, Hamlins, Amber sweets, Satsumas, early tangerines. Caretakers cutting cover crops, spraying a little. Pasture feed fair 35%, good 55%, excellent 10%. Winter pasture is being planted in the north, and early seedings were emerging. Standing water in some pastures in the north and Big Bend. Pastures on the east coast in marsh areas were very wet from rainfall of previous week. In the west-central area, grass was short, recent rain boosted growth. Condition of cattle herds: fair 15%, good 75%, excellent 10%.

GEORGIA: Days suitable for fieldwork 6.1. Soil moisture 13% short, 81% adequate, 6% surplus. Hay 1% very poor, 5% poor, 39% fair, 53% good, 2% excellent. Peanuts 3% very poor, 19% poor, 40% fair, 33% good, 5% excellent; 88% dug, 94% 1995, 93% avg. Rye 49% planted, 66% 1995, 47% avg. Sorghum 5% very poor, 9% poor, 34% fair, 48% good, 4% excellent; 53% harvested for grain, 72% 1995, 74% avg. Soybeans 5% poor, 30% fair, 54% good, 11% excellent. Wheat 21% fair, 78% good, 1% excellent; 6% planted, 12% 1995, 9% avg. Other small grains 34% planted, 45% 1995, 31% avg. Apples 4% fair, 96% good; 94% harvested, 91% 1995, 89% avg. Pecans 1% very poor, 13% poor, 29% fair, 41% good, 16% excellent; 7% harvested, 11% 1995, 9% avg. Excellent week for fieldwork. Row crops, pasture, hay conditions off slightly. Harvest progress rapid cotton, peanuts, soybeans. Harvest progress corn, sorghum limited. Small grains improved. Planting progress was behind normal, while wheat was ahead of rye and other small grains. Activities: Harvesting hay, over seeding pastures, preparing fields for small grain plantings, defoliating cotton, picking fall vegetables, spraying fall vegetables for insects and diseases, and taking soil samples.

HAWAII: Increased rainfall helped crops in windward areas. Leeward sections were dry. Water conservation measures continued in major vegetable regions. Papaya harvesting was active, with a steady increase on Oahu. Banana production steady, good progress, with warm weather and rains. Head, Chinese cabbage supplies moderate to heavy, and quality varies. Tomato production was increasing, and condition was good.

IDAHO: Days suitable for fieldwork 6.3. Topsoil 4% very short, 43% short, 49% adequate, 4% surplus. Potatoes harvested 95%, 89% 1995, 90% avg. Sugar beets harvested 27%, 42% 1995, 48% avg. Alfalfa hay harvested (3rd cutting) 97%, 98% 1995, 95% avg.; (4th cutting) 59%. Corn harvested for grain 16%, 14% 1995, 29% avg.; harvested for silage 96%, 94% 1995, 91% avg. Onions harvested 99%, 96% 1995, 97% avg. Apples harvested 77%, 62% 1995, 70% avg. Pasture feed, range 10% very poor, 22% poor, 42% fair, 25% good, 1% excellent. Irrigation water supply 23% fair, 60% good, 17% excellent. Activities: Plowing, fertilizing, seeding winter wheat, bedding fields for next year's sugar beets, harvesting potatoes, sugar beets, apples, corn for silage, corn for grain.

ILLINOIS: Days suitable for fieldwork 5.7. Topsoil 4% very short, 28% short, 67% adequate, 1% surplus. Corn, soybean harvest continued throughout most of the State last week but is about 10 days behind normal. Most early crop soybean harvest has been completed, farmers are waiting on late- and double-crop soybeans to dry down. Rain in the northern districts prevented the corn from drying down. Wheat seeding progressed rapidly.

INDIANA: Days suitable for fieldwork 6.1. Topsoil 1% very short, 13% short, 81% adequate, 5% surplus. Subsoil 3% very short, 21% short, 74% adequate, 2% surplus. Scattered showers 17th night

slowed harvest. Lodging is reported to be a problem, some corn fields. Average moisture content of harvested corn 25%, soybeans 13%. Percentage of corn harvested by region: 24% north, 17% central, and 32% south. Soybeans 94% mature, 100% 1995, 100% avg. Percentage of soybeans harvested by region: 61% north, 55% central, and 35% south. Hay supplies short, most areas. Activities: Fall tillage, harvesting seed corn, seeding winter wheat, maintaining equipment, chopping stalks, and caring for livestock.

IOWA: Days suitable for fieldwork 6.2. Topsoil very short 6%, short 27%, adequate 65%, surplus 2%. Subsoil very short 5%, short 31%, adequate 63%, surplus 1%. Soybean harvest was almost complete, with producers beginning to turn more of their attention toward getting corn crop out of fields. Most reporters mentioned that last week's weather provided a good week for harvest; however, most mentioned that corn in the field continues to dry down slower than normal. Some producers opting to let corn dry down naturally in the field, while others are harvesting the crop, drying it down artificially. Moisture level of corn remaining in the field averaged 27%, while the moisture level of harvested corn averaged 23%. On a comparable date last year, the moisture level of corn in the field averaged 20%, harvested corn averaged 18%. Grain storage availability off-farm 5% short, 87% adequate, 8% surplus; on-farm 2% short, 85% adequate, 13% surplus. Corn lodging 36% none, 48% light, 15% moderate, 1% heavy; corn ear droppage 41% none, 49% light, 9% moderate, 1% heavy. Completion of 1997 row crop fall tillage 7%, 12% 1995, 12% avg; fall fertilizer applied 7%, 10% 1995, 10% avg. Winter Wheat planted 80%, 85% 1995, 80% avg. No problems with livestock were mentioned.

KANSAS: Days suitable for fieldwork 6.2. Topsoil 10% short, 86% adequate, 4% surplus. Subsoil 1% very short, 8% short, 86% adequate, 5% surplus. Clear fall weather allowed good progress to be made on wheat seeding and fall harvest. Grain moisture is still too high in some late maturing fall harvest crops. A frost at this point would be beneficial as it would halt growth, aid in the drying process. There has not yet been a widespread hard frost, only light frosts in northern counties. Seeding of wheat is on par with the average but harvest of fall crops is slightly behind average progress. Fall crops remain mostly in good to excellent condition. Pastures are in good condition for this time of year, supplemental feeding is necessary in some cases. Stockmen are beginning to move cattle to crop stubble. Activities: Seeding wheat, fall harvest.

KENTUCKY: Days suitable for fieldwork 5.4. Topsoil 1% very short, 19% short, 74% adequate, 6% surplus. Subsoil 1% very short, 16% short, 79% adequate, 4% surplus. Weekend late fall-like conditions, some light frost. Pleasant temperatures that were about normal most of the week. Burley tobacco 13% stripped, 19% 1995, 16% avg., gaining momentum. Housed tobacco curing well, few reports of houseburn. Winter wheat seeding active, with 56% complete. Pasture feed 2% very poor, 9% poor, 35% fair, 44% good, 10% excellent.

LOUISIANA: Days suitable for fieldwork 6.0. Soil moisture 20% short, 73% adequate, 7% surplus. Excellent weather allowed for good progress on cotton harvest. Pecans 7% poor, 37% fair, 53% good, 3% excellent; 11% harvested, 4% 1995, 10% avg. Harvest was in full swing. Soybeans 6% poor, 39% fair, 49% good, 6% excellent; 100% turning color, 100% 1995, 93% avg. Harvest made rapid progress because of ideal weather. Sugarcane 7% poor, 23% fair, 55% good, 15% excellent; 92% planted, 100% 1995, 98% avg.; 8% harvested, 15% 1995, 16% avg. Planting of cane continued as farmers turned more of their attention toward harvesting. All mills were receiving cane by week's end. Sweetpotatoes 83% harvested,

69% 1995, 72% avg. Ideal weather allowed excellent progress on harvesting. Wheat 13% planted, 17% 1995, 12% avg.; 5% emerged, 3% 1995, 5% avg. Livestock 4% poor, 25% fair, 65% good, 6% excellent. Vegetables 10% poor, 50% fair, 40% good. Pasture feed 4% poor, 29% fair, 61% good, 6% excellent. Planting of winter pastures was active.

MARYLAND: Days suitable for fieldwork 4.9. Topsoil 59% adequate, 41% surplus. Subsoil 77% adequate, 23% surplus. Corn 97% mature, 100% 1995, 98% avg.; 69% harvested for grain, 85% 1995, 68% avg. Soybeans 85% shedding leaves, 93% 1995, 87% avg.; 23% harvested, 34% 1995, 29% avg. Sorghum 35% harvested, 57% 1995, 39% avg. Apples 72% harvested, 78% 1995, 80% avg. Alfalfa hay 54% 5th cutting, 17% 1995, 37% avg. Other hay 66% 4th cutting, 67% 1995, 51% avg. Hay supplies 7% short, 89% adequate, 4% surplus. Barley 70% planted, 77% 1995, 71% avg. Rye 50% planted, 60% 1995, 52% avg. Winter wheat 35% planted, 40% 1995, 35% avg. Tobacco stripped 8%, 9% 1995, 5% avg. Corn and soybeans were yielding well. Emerged small grains in fair to mostly good condition. Activities: Small grain plantings; and harvesting pumpkins, field crops, and apples.

MICHIGAN: Precipitation occurred throughout the State. Some field crops lag at harvest, with high moisture content and/or wet fields. Topsoil 1% very short, 11% short, 76% adequate, 12% surplus. Subsoil 5% very short, 19% short, 69% adequate, 6% surplus. Dry beans harvested 91%, 99% 1995, 95% avg. All hay 4th cutting 54%, 72% 1995, 57% avg.; 3% very poor, 23% poor, 35% fair, 32% good, 7% excellent. Sugar beets harvested 15%, 21% 1995, 33% avg. Potatoes harvested 89%, 100% 1995, 92% avg. Pasture feed 4% very poor, 26% poor, 39% fair, 28% good, and 3% excellent.

MINNESOTA: Days suitable for fieldwork 4.8. Topsoil 3% very short, 19% short, 57% adequate, 21% surplus. Corn 99% mature, 99% 1995, 86% avg.; 25% harvested, 54% 1995, 36% avg.; 7% stubble worked, 21% 1995, 17% avg.; 25% moisture content, 21% 1995, 24% avg. Soybeans 99% shedding leaves, 99% 1995, 99% avg.; 99% mature, 99% 1995, 97% avg.; 95% harvested, 71% 1995, 80% avg.; 54% stubble worked, 29% 1995, 34% avg.; 12% moisture content, 12% 1995, 12% avg. Sunflowers 66% harvested, 69% 1995, 63% avg. Potatoes 97% harvested, 81% 1995, 93% avg. Grain, hay stubble plowed 85%, 89% 1995, 89% avg. Flax 96% harvested, 99% 1995, 93% avg. Sugar beets 99% harvested, 70% 1995, 83% avg. Pasture feed 9% very poor, 23% poor, 44% fair, 23% good, 1% excellent.

MISSISSIPPI: Days suitable for fieldwork 6.0. Soil moisture 7% very short, 31% short, 61% adequate, 1% surplus. Corn 99% harvested, 100% 1995, N/A avg. Soybeans 98% turning color, 99% 1995, 98% avg.; 92% shedding leaves, 95% 1995, 85% avg.; 66% harvested, 72% 1995, 46% avg.; 1% very poor, 3% poor, 34% fair, 51% good, 11% excellent. Wheat 55% planted, 40% 1995, 34% avg.; Peanuts 98% harvested, 97% 1995, 96% avg.; Pecans 17% harvested, 6% 1995, 11% avg.; 1% very poor, 15% poor, 40% fair, 39% good, 5% excellent. Sweetpotatoes 75% harvested, 82% 1995, 77% avg.; 20% fair, 79% good, 1% excellent. Cattle 2% very poor, 8% poor, 28% fair, 54% good, 8% excellent. Pasture feed 3% very poor, 13% poor, 31% fair, 48% good, 5% excellent. Main farming: Harvesting row crops, planting winter crops. Harvesting is progressing smoothly, yet the dry weather is producing problems in some areas of the State that need rain for pastures and winter grazing.

MISSOURI: Days suitable for fieldwork 6.2. Topsoil 2% very short, 24% short, 72% adequate, and 2% surplus. A third consecutive week of pleasant and mostly dry weather enabled farmers to continue

with row-crop harvesting and winter wheat seeding. Particularly good progress was made with soybean harvesting. A cold front moved through the State on 18th, bringing colder temperatures, some overnight lows near freezing, but no significant damage to late crops is thought to have occurred. Virtually all of the corn crop has been harvested across the southern portion of the State, followed by about 75% in the west-central area. Corn harvest was least advanced in the northeast at about 35%, followed by 45% in the northwest. Seventy-six percent of the soybean crop has reached maturity, about 5 days behind norm. About 50% of the soybean crop has been harvested across all areas of the State, except the southeastern and south-central districts, which indicate around 25% harvested. Soybean 1% very poor, 6% poor, 30% fair, 51% good, and 12% excellent. Bootheel and the southwestern districts lead the State with about 85% of the sorghum crop harvested, compared with about 20% in the northern third of the State. Percentage of ground worked at least once for next year's spring crops 15%, 8% 1995, and 11% avg. Pasture feed, range 2% very poor, 12% poor, 42% fair, 39% good, and 5% excellent.

MONTANA: Days suitable for fieldwork 6.4. Topsoil 13% very short, 53% short, 34% adequate. Subsoil 13% very short, 50% short, 37% adequate. Winter wheat seeding is nearing completion. Row crop harvest is getting into its final stages. Corn for silage 94% harvested, 99% 1995, 97% avg. Sugar beets 91% harvested, 76% 1995, 71% avg. Potatoes 74% harvested, 66% 1995, 85% avg. Cattle, calves moved from summer ranges, 61%. Sheep, lambs moved from summer ranges 63%.

NEBRASKA: Days suitable for fieldwork 6.3. Topsoil 15% short, 83% adequate, 2% surplus. Subsoil 9% short, 89% adequate, 2% surplus. Soybean harvest continued in full swing last week, was near completion by week's end. Corn and sorghum harvesting continued to be limited due to high grain moisture levels and producer's focus on soybeans. Corn 22% harvested, 31% 1995, 42% avg. Dry weather last week continued to aid crop dry down, although most corn remained too wet for harvest. As producers waited for grain dry down, windy conditions resulted in stalk lodging. Some limited ear droppage was due to stalk rot and corn borer damage. Soybeans 91% harvested, 76% 1995, and 85% avg. Sorghum 93% mature, 100% 1995, 97% avg.; and 15% harvested, 62% 1995, 49% avg. Wheat 2% poor, 27% fair, 62% good, 9% excellent; and 91% emerged, 93% 1995, 94% avg. Pasture feed and range 4% poor, 25% fair, 58% good, 13% excellent; and cattle continued to do well on pastures, with few being moved to stalks. Activities: Harvesting millet, sugar beets, and potatoes, and working cattle.

NEVADA: Winter wheat, barley seeding nearing completion; earlier seeded acreage showing good emergence. Frost shut down alfalfa growth in the north. Alfalfa third cutting was complete in the northwest. Limited third-cutting acreage was remaining in the northeast. Fourth cutting of alfalfa for hay continued in the central area, and the sixth cutting was underway in the extreme south. Planting of new alfalfa stands nearing completion. Sudan grass still actively growing extreme south; grazing, haying continues. Potato harvest in full swing; crop condition good. Onion harvest in full swing, with crop condition good to excellent. Garlic planting nearly complete. Pomegranates, pistachio nuts nearly mature. Livestock mostly on fall pastures. Pregnancy testing cows, weaning calves. Drought continues in the south and southeast. Main farm, ranch activities: Haying, potato digging, onion harvest, fall planting, moving livestock.

NEW ENGLAND: Days suitable for fieldwork 5.7. Topsoil 14% short, 66% adequate, 20% surplus. Subsoil 18% short, 71% adequate, 11% surplus. Pasture feed 7% poor, 49% fair, 44% good.

Maine potatoes 99% harvested, 99% 1995, 95% avg.; condition good. Massachusetts potatoes 95% harvested, 99% 1995, 95% avg.; condition good. Rhode Island potatoes 80% harvested, 100% 1995, 99% avg.; condition excellent. Silage corn 85% harvested, 95% harvested 1995, 85% avg.; condition good. Second hay 95% harvested, 100% 1995, 100% avg.; condition good/excellent. Third cut hay 85% harvested, 95% 1995, 90% avg.; condition good/excellent. Apples 95% harvested, 95% 1995, 90% avg.; size average, condition good/excellent. Pears 99% harvested, 99% harvested 1995; size average, condition good. Cranberries 80% harvested, 80% 1995; size average/above average, condition good/excellent. Major farm activities: Harvesting corn silage, potatoes, apples, cranberries. Preparing fields for winter by harrowing, spreading manure.

NEW JERSEY: Days suitable for fieldwork 6. Topsoil moisture reported as mostly surplus. Apple harvest is nearing completion. Cranberry harvest continues. Harvest of soybeans is increasing gradually. Corn for silage is almost complete in most areas. Corn for grain harvest continues with 55% completed. Pastures remain in good condition.

NEW MEXICO: Days suitable for fieldwork 6.8. Soil moisture 4% very short, 47% short, 48% adequate, 1% surplus. Winter wheat planting is 98% complete; 1% very poor, 2% poor, 34% fair, 62% good, 1% excellent. Corn 1% poor, 21% fair, 61% good, 17% excellent. Harvest completion for grain is 70%, silage is 98%. Cotton 3% poor, 32% fair, 34% good, 31% excellent; cotton bolls opening 100%, 95% 1995, 97% avg. Sorghum 44% poor, 23% fair, 33% good; coloring 81%, 90% 1995, 98% avg.; mature 36%. Alfalfa 1% very poor, 4% poor, 26% fair, 58% good, 11% excellent; 5th cutting 90% complete, 6th cutting 56% complete. Chile 1% poor, 18% fair, 72% good, 9% excellent; green chile harvest is complete, red is 34% complete. Lettuce 5% fair, 41% good, 54% excellent; harvest 40% complete. Onion 2% fair, 52% good, 46% excellent. Planting is 62% complete. Pecan 20% fair, 65% good, 15% excellent. Cattle 1% very poor, 3% poor, 30% fair, 57% good, 9% excellent; sheep 7% very poor, 8% poor, 27% fair, 49% good, 9% excellent. Range, pasture feed 5% very poor, 13% poor, 35% fair, 42% good, 5% excellent.

NEW YORK: Days suitable for fieldwork 4.5. Soil moisture 40% adequate, 60% surplus. Pasture feed 45% fair, 55% good. Third cutting alfalfa near complete. Corn condition good. Silage 85% harvested, 98% 1995, 83% avg. Grain corn 25% harvested, 38% 1995, 20% avg. Potato digging continued. Apple picking in high gear. Quality has been good to excellent. Some vineyards in Finger Lakes region experienced frost damage. Grape harvest continued active. Vegetable harvest limited to late season crops such as cabbage, squash, etc. Pumpkin harvest in full swing.

NORTH CAROLINA: A clear week allowed farmers to spend more time in the fields. Good progress was made on peanut, cotton harvests, and small grain seedings. Soil moisture 2% short, 66% adequate, 32% surplus. Days suitable for fieldwork 5.5. Oats planted 34%, 37% 1995, 39% avg.; barley planted 51%, 43% 1995, 45% avg.; rye planted 38%, 37% 1995, 34% avg.; sorghum harvested 68%, 46% 1995, 65% avg.; sweetpotatoes harvested 58%, 54% 1995, 63% avg.; hay 3rd cutting 74%, 71% 1995, 73% avg.; apples harvested 96%, 94% 1995, 88% avg. Crop conditions: Sweetpotatoes 6% very poor, 12% poor, 42% fair, 38% good, 2% excellent; sorghum 1% poor, 48% fair, 50% good, 1% excellent. Activities included: Seeding small grains; defoliating, harvesting cotton; marketing flue-cured tobacco; harvesting corn, soybeans, peanuts, sorghum, apples, sweetpotatoes; cutting, baling hay; maintaining

pastures; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 6. Producers made rapid progress on the sunflower harvest before rain, show showers halted fieldwork toward the end of the week. Harvests of most late season crops were nearly complete. Other activities included fall tillage, applying fertilizers, weaning calves, hauling hay. Topsoil 2% very short, 23% short, 73% adequate, 2% surplus. Subsoil 5% very short, 31% short, 61% adequate, 3% surplus. Late season crop development: Canola 99% harvested; corn for grain 27% harvested; 49% 1995; 45% avg.; corn for silage 99% chopped; 98% 1995; 97% avg.; dry edible beans 98% harvested; 94% 1995; 93% avg.; flaxseed 96% harvested; 97% 1995; 95% avg.; potatoes 98% dug; 94% 1995; 98% avg.; soybeans 92% harvested; 69% 1995; 85% avg.; sugar beets 97% lifted; 71% 1995; 89% avg.; sunflowers 58% harvested; 54% 1995, 44% avg.

OHIO: Days suitable for fieldwork 6.0. Topsoil 11% short, 84% adequate, 4% surplus. Alfalfa hay, other hay 4th cuttings both at 85% complete. Processing tomato harvest complete. Industry officials report a good year for both processors, growers. Apple harvest is 86% complete. Grapes harvested is at 96%. Potatoes dug progressed to 90% complete. Livestock 1% very poor, 2% poor, 23% fair, 61% good, 13% excellent. Winter wheat seedings had been delayed by the late soybean harvest, gained momentum this week. Progress is still behind normal.

OKLAHOMA: Days suitable for fieldwork 6.5. Topsoil 32% short, 68% adequate. Subsoil 7% short, 92% adequate, 1% surplus. Oats 64% planted, 54% 1995, 58% avg.; 18% up-to-stand, 22% 1995, 34% avg.; corn 98% harvested, 78% 1995, 93% avg.; soybeans 84% mature, 64% 1995, 74% avg.; 53% harvested, 39% 1995, 38% avg. Peanuts 80% mature, 75% 1995, 83% avg.; 30% combined, 22% 1995, NA avg. Alfalfa 2% very poor, 1% poor, 22% fair, 65% good, 10% excellent; 95% 4th cutting, 98% 1995, 96% avg.; 42% 5th cutting, 48% 1995, 59% avg. Livestock 1% poor, 15% fair, 75% good, and 9% excellent. Feeder steers and heifers steady to \$1/cwt lower.

OREGON: Days suitable for fieldwork 6.1. Topsoil 18% very short, 38% short, 42% adequate, 2% surplus. Subsoil 18% very short, 36% short, 46% adequate. Barley planted 40%, 27% 1995, 45% avg. Activities: Limited western field activity, rain. Corn silage harvest winding down in the Willamette Valley. Sugar beet harvest continued average yields, sugar content, Klamath Basin. Some winter wheat reseeded, herbicide applications to cheat grass, no Russian wheat aphids reported in Mid-Columbia. Fall nursery planting, digging, container movement slowed, rains. Christmas tree sales were going well, demand exceeding supply. Eastern potato harvest winding down, average to above average yields, quality. Table beets, carrots, cauliflower, pumpkins harvest continued, sweet corn harvest winding down, some onions still in fields, hazelnuts harvest continued, walnut drop continued, grape harvest progressed between rains in the Willamette Valley. Pear and apple harvest continued in the Hood and Rogue River Valleys. Cranberry harvest continued in the southern coast. Livestock good-excellent. Pregnancy checking, vaccinating, weaning underway. Fall calving underway. Eastern areas still have dry feed, grass killed by heavy frosts. In the western areas, pasture feed greening up was underway.

PENNSYLVANIA: Days suitable for fieldwork 5.2. Soil moisture 5% short, 65% adequate, 30% surplus. Good week for fieldwork. More hay made than normal for this time of year. Dry week also helped dry corn. Heavy precipitation on 19th caused flooding.

Ensilage corn harvest 86% complete, 94% 1995, 87% avg. Soybean harvest 20% complete, 34% 1995, 27% avg.; 2% poor, 14% fair, 49% good, 35% excellent. Potato harvest 83% complete, 77% 1995, 86% avg. Fall plowing 69% complete, 64% 1995, 76% avg. Wheat planted 70% complete, 64% 1995, 76% avg.; emerged 40% complete. Barley planted 87% complete, 80% 1995, 89% avg.; emerged 58% complete. Alfalfa 4th cutting 74% complete, 56% 1995, 68% avg. Quality of hay made 2% very poor, 18% poor, 23% fair, 47% good, 10% excellent. Grape harvest 86% complete, 77% 1995, 85% avg. Apple harvest 78% complete, 85% 1995, 82% avg. Activities: Making hay and haylage; harvesting corn, corn silage, soybeans, potatoes; seeding barley and wheat; fixing fences; hauling manure; and caring for livestock.

SOUTH CAROLINA: Corn 99% harvested, 99% 1995, 98% avg.; 5% very poor, 15% poor, 30% fair, 43% good, 7% excellent. Sorghum 85% harvested, 66% 1995, 64% avg.; 1% poor, 37% fair, 54% good, 8% excellent. Sweetpotatoes 45% harvested, 36% 1995, 54% avg.; 10% poor, 39% fair, 50% good, 1% excellent. Tobacco 93% stalks destroyed, 97% 1995, 93% avg. Apples 94% harvested, 82% 1995, 88% avg.; 35% very poor, 30% poor, 25% fair, 10% good. Small Grains, winter grazing planting ahead of normal and in fair to good condition. Pastures and livestock are in fair to mostly good condition.

SOUTH DAKOTA: Days suitable for fieldwork 4.8. Topsoil 2% short, 79% adequate, 19% surplus. Subsoil 6% short, 82% adequate, 12% surplus. Soybean harvest again made good progress this week despite being slowed by midweek rain. Corn harvest picked up but is still being hampered by high moisture grain. A hard freeze is needed to help it dry down. Corn silage harvested 95%, 89% 1995, 92% avg. Corn 1% poor, 13% fair, 63% good, 23% excellent. Sorghum silage harvested 94%, 90% 1995, 88% avg.; 18% fair, 60% good, 22% excellent. Sunflowers 57% harvested, 44% 1995, 54% avg.; 6% very poor, 2% poor, 28% fair, 39% good, 25% excellent. Conditions declined with harvesting progress as some producers are having lower than expected yields. Winter wheat 11% poor, 13% fair, 63% good, 13% excellent. Winter rye 13% fair, 72% good, 15% excellent; 100% planted, 100% 1995, 100% avg.; 89% emerged, 93% 1995, 95% avg. Producers were beginning to move cattle to fields of cornstalks and hay. Some supplemental feeding is being done till the corn is harvested. Livestock 1% poor, 7% fair, 71% good, 21% excellent. Stock water supplies 2% short, 87% adequate, 11% surplus.

TENNESSEE: Days suitable for fieldwork 6.0. Topsoil 20% short, 77% adequate, and 3% surplus. Subsoil 14% short, 84% adequate, 2% surplus. Corn 94% grain harvested, 96% 1995, 83% avg. Tobacco 29% burley stripped, 33% 1995, 29%. Sorghum 78% harvested, 94% 1995, 87% avg. Wheat 40% seeded, 38% 1995, 35% avg. Pasture feed 2% poor, 25% fair, 61% good, 12% excellent.

TEXAS: Weather conditions were good across the State most of the week. Open conditions allowed producers make good progress on planting, harvesting operations. Warm days and cool nights provided good drying. Crop maturity conditions, until a late-week cold front, brought the first frost to the High Plains, with much colder weather in most other areas. Scattered rainfall came on heels of front. Most areas missed rain; however, could use additional moisture. Livestock conditions remained good in most areas. More stockers were placed on wheat pastures in High Plains.

Crops: Growth was good in the Plains until late-week frost may have caused some scattered damage; however, the extent is unknown at this time. Producers are busy planting in many areas.

Some replanting occurred because of armyworm damage. Corn was good as maturing weather helped harvest make good progress in the High Plains, and was winding down in many fields. Yields continued to be very good in most fields. Grain sorghum harvest made good progress in the High Plains, with good weather conditions. The late-week front caused minimal damage; however, a few warmer days are needed for later fields to mature. Harvest is getting underway in the Low Plains and Cross Timbers. Cotton harvest activity is increasing in the Plains. Early yields have been good. Additional harvest aids applied. Bolls were opening rapidly until the late-week front slowed progress. Harvest winding down along the Upper Coast and many parts of Blacklands. Harvest progress was good in Trans Pecos. Peanuts had good drying conditions most of the week, allowing harvest to progress in Cross Timbers and the south-central areas. Dryland yields were down, because of prolonged dry growing conditions. Irrigated yields were good. Soybeans harvest continued to wind down along the Upper Coast and northern area. Harvest progress good in the Plains, with good yields reported. Sugar beet harvest got underway. Late-season rains boosted prospects from earlier expectations.

Commercial Vegetables: In the Rio Grande Valley, melons were making good progress, with some disease problems. Cabbage harvest continued. In the San Antonio- Winter Garden, fall melons were making good progress, with a few insect problems showing up. In the east, sweetpotato harvest continued. Cooler temperatures at late week slowed growth of some fall crops. In the High Plains, chilies continued to mature. In Trans-Pecos, a few fall cantaloups were harvested. Pecan harvest were slowly getting underway in many areas. Shuck split rapidly approaching many northern areas. Overall prospects remained very light; however, some areas reporting a good crop.

Range and Livestock: Cooler temperatures slowed growth in many native pastures, but growth on small grain pastures was good. Additional stockers placed on wheat pastures in the High Plains. A little hay was cut and baled in some areas last week. Sheep and goat producers were busy with the breeding season. Cattle producers have seen some improvement in prices. Supplemental feeding was increasing in some areas as cooler weather set in.

UTAH: Days suitable for fieldwork 6.0. Topsoil 18% very short, 51% short, 31% adequate. Subsoil 19% very short, 52% short, 29% adequate. Winter wheat emerged 93%, 69% 1995, 67% avg. Corn maturity 93%, 72% 1995, 88% avg.; harvested for grain 43%, 7% 1995, 35% avg.; harvested for silage 97%, 96% 1995, 95% avg. Alfalfa hay 4th cutting 89%, 90% 1995, 88% avg.; seed harvested 67%, 81% 1995, 94% avg. Apples picked 73%, 85% 1995, 80% avg. Range and pasture feed 9% very poor, 37% poor, 44% fair, 10% good. Cattle moved from summer range 87%, 81% 1995, 86% avg. Sheep moved from summer range 86%, 82% 1995, 89% avg. Major farmand ranch activities: Harvesting apples, alfalfa, corn for grain, corn for silage, and fall tillage; planting winter grains; and moving livestock.

VIRGINIA: Days suitable for fieldwork 5.5. Topsoil 70% adequate, 30% surplus. Subsoil 61% adequate, 39% surplus. Corn 99% mature, 1995 100%, 100% avg.; 65% corn for grain harvested, 1995 80%, 76% avg.; 95% corn silage harvested, 1995 100%, 98% avg. Cotton 20% harvested, 1995 38%, 29% avg. Soybeans 10% harvested, 1995 20%, 17% avg.; 2% poor, 15% fair, 65% good, 18% excellent. Peanuts 85% dug, 1995 92%, 86% avg.; 70% combined, 1995 76%, 72% avg. Flue cured tobacco 98% harvested, 100% 1995, 99% avg. Burley tobacco 100% harvested, 100% 1995, 100% avg. Livestock condition 7% fair, 72% good, 21% excellent. Pasture feed 11% fair, 68% good, 21% excellent. Fall apples 87% harvested, 77% 1995. Winter apples 50% harvested. Barley 60% seeded, 52% 1995, 57% avg. Oats 60% seeded, 47% 1995, 63% avg. Winter wheat 20% seeded, 1995 29%, 25% avg. Activities: Dry, warm

weather in the early week dried some fields, and advanced harvesting of corn, soybeans, and peanuts. Cool, wet weather past several weeks slowing drying down of corn, delaying maturity of other crops some localities. Cotton harvest in full swing, producers still defoliating later-planted cotton. Small grain seeding continues, remains slightly behind schedule. Farmers made final cutting of hay when weather permitted. Tobacco harvest is winding down. Flue tobacco is being marketed while stripping of burley tobacco continues. Some operators have begun to fertilize and apply lime to fields. Livestock producers remain busy marketing cattle. The beginning of the weekend started with rain returning, bringing with it strong, gusting winds and lower temperatures.

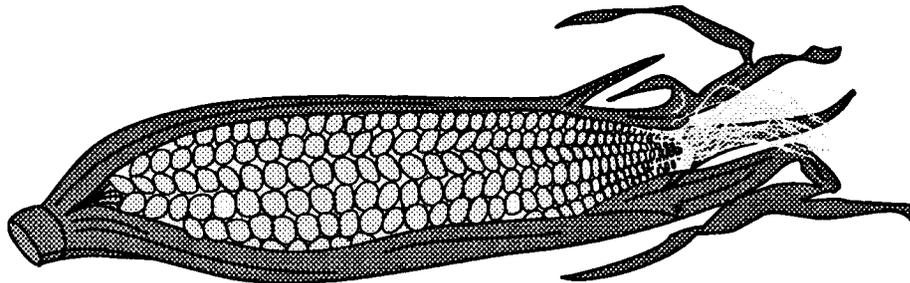
WASHINGTON: Days suitable for fieldwork 5.3. Topsoil 36% short, 50% adequate, 14% surplus; subsoil 32% short, 66% adequate, 2% surplus. Winter wheat, dryland 3% poor, 35% fair, 50% good, 12% excellent; irrigated, 100% good. Seeding of winter wheat was nearing completion. Generally, cool temperatures slowed growth rate, but rain, coupled with wet snow, helped the wheat crop to germinate and emerge. Corn grain 15% harvested, 6% 1995, 25% avg.; 4% fair, 96% good. Potatoes 86% harvested, 79% 1995, 79% avg.; 9% fair, 88% good, 3% excellent. Dry beans 100% harvested, 88% 1995, 93% avg.; 100% good. Sugar beet digging underway in Grant County. Hay, other roughage supplies, 4% short, 85% adequate, 11% surplus. Range and pasture feed, 5% poor, 40% fair, 54% good, and 1% excellent. Corn silage 96% harvested, 94% 1995, 91% avg. Red Delicious, Granny Smith, Braeburn apple harvests continued. Some harvest was slowed due to weather conditions. Fuji harvest was underway. Concord, wine grape harvests were winding down in Benton County. Sweet corn, carrot, onion harvests continued. Pumpkin harvest was in full swing.

WEST VIRGINIA: Days suitable for fieldwork 4.9. Topsoil 86% adequate, 14% surplus. After a warm, dry beginning, the week ended cold and wet. Harvesting of corn, soybeans active until week's end. Winter Wheat 67% planted, 35% 1995, 38% avg. Hay 3rd cutting 75%, 94% 1995, 98% avg. Corn 1% very poor, 1% poor, 11% fair, 81% good, 6% excellent; 93% mature stage, 100% 1995, 100% avg.; 27% harvested for grain, 75% 1995, 70% avg. Producers took advantage of open weather last week and made

good progress harvesting corn dry enough for harvest. Soybeans 1% very poor, 3% poor, 16% fair, 74% good, 6% excellent; 98% dropping leaves, 100% 1995; 20% harvested, 28% 1995. Harvest was well underway with open weather conditions. Tobacco 99% harvested, 100% 1995, 100% avg. Cattle 1% poor, 13% fair, 74% good, 12% excellent. Sheep 10% fair, 84% good, 6% excellent. Activities: Harvesting apples, corn for grain; chopping silage; seeding wheat; marketing livestock, weaning heifers; contending with lady beetles, repairing fences.

WISCONSIN: Days suitable for fieldwork 5.6. Soil moisture 12% very short, 40% short, 46% adequate, 2% surplus. A lot of soybean fields were being harvested statewide last week. Harvested soybean acreage increased to 70% complete, 12 points ahead of last year's figure. One reporter from Trempealeau County reported soybeans on heavy soils were yielding 40 bushels per acre or better. Many southern counties reported soybeans yielding 20 to 50 bushels per acre. Many reporters in the southern half of the State commented on the soil moisture being very dry. Fall tillage was at 22% completed, compared with 29% in 1995. Grain harvest in most areas is on hold, pending more time for drying in the field. Corn silo filling was finishing in some areas, with 95% complete statewide, compared with 84% avg. Winter wheat was up, showing good growth in some areas due to warm weather and rain last week. One report from Wood County noted that some Cranberry areas were running short on water for harvest. Cranberry yields varied with good quality. Most apple orchards are done, with harvesting, with apples and apple products for sale. Pasture feed 8% very poor, 20% poor, 49% fair, and 23% good.

WYOMING: Days suitable for fieldwork 4.7. Topsoil 12% very short, 35% short, 53% adequate or surplus. Subsoil supplies 15% very short, 43% short, 42% adequate or surplus. Corn for grain 52% harvested, 33% 1995, 43% avg. Sugar beets 87% harvested, 70% 1995, 64% avg. Range, pasture feed 1% very poor, 30% poor, 33% fair, 36% good. Stock water supplies 5% very short, 25% short, 70% adequate or surplus. Hay, roughage supplies adequate. Livestock condition mostly good. Some producers beginning to supplement feed.



International Weather and Crop Summary

October 13 - 19, 1996

HIGHLIGHTS

FSU WESTERN: Unusually warm, dry weather in Ukraine and southern Russia helped summer crop harvesting and late winter grain planting.

FSU-NEW LANDS: Colder weather was accompanied by snow showers, causing further delays in spring grain harvesting in Russia.

EUROPE: Rain slowed harvest activities in the west but provided soil moisture for winter grain germination and establishment.

NORTHWESTERN AFRICA: Preparations for winter grain planting occurred over Morocco, Algeria, and Tunisia.

AUSTRALIA: Widespread rain in the east benefited vegetative cotton and sorghum but hampered winter grain harvesting.

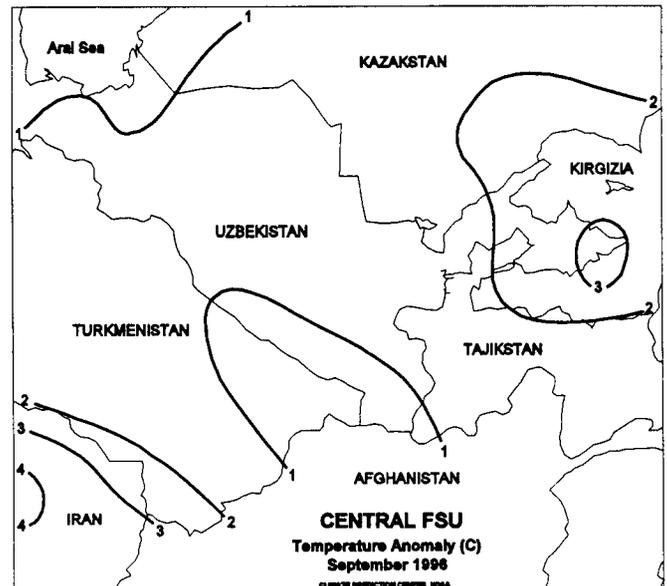
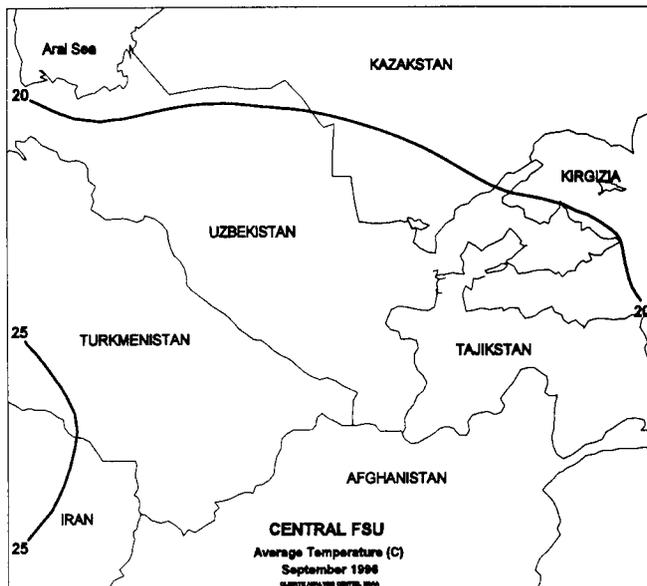
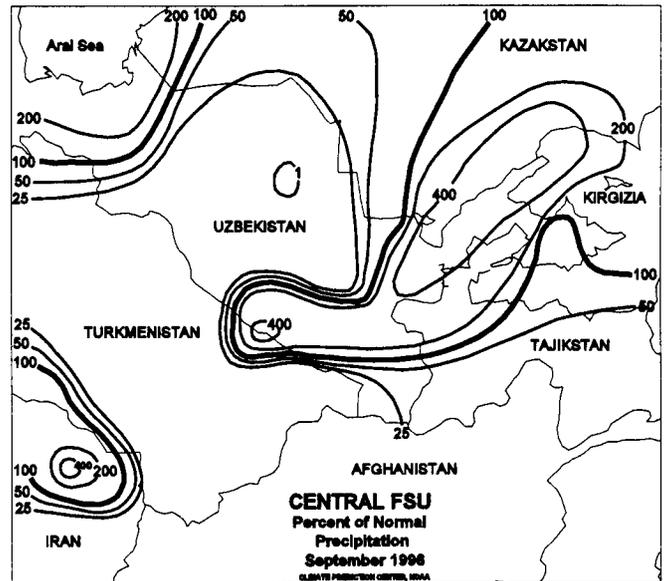
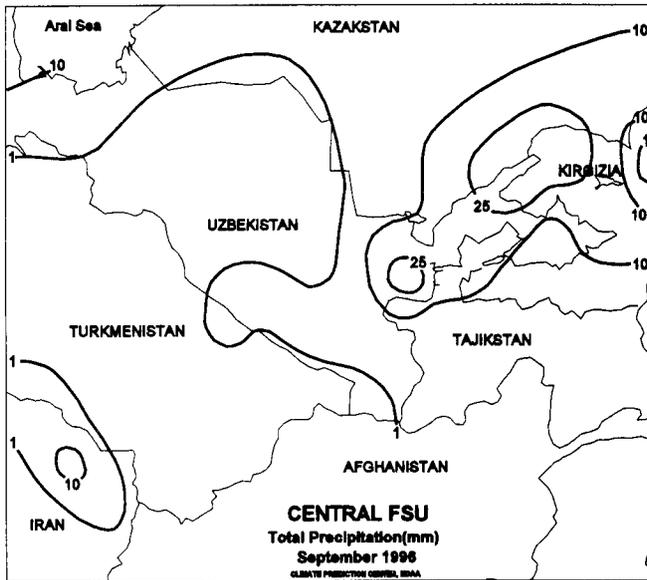
CANADA: Late Prairie grain and oilseed harvesting progressed.

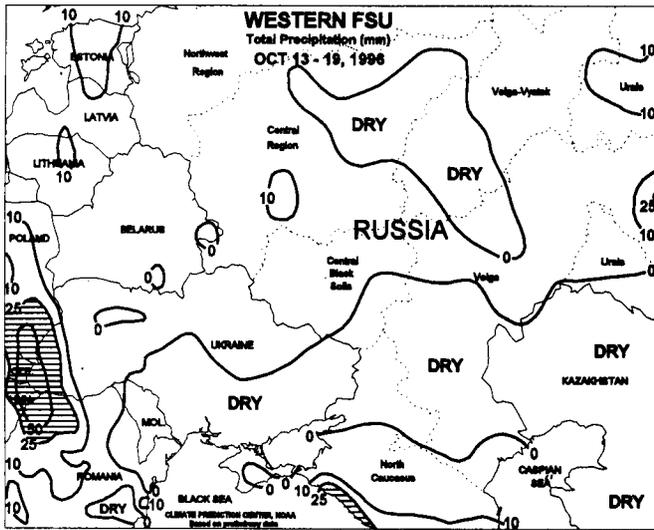
SOUTH ASIA: Heavy rain caused some flooding to southern India's coastal rice areas, but seasonable dry, warm weather farther north aided summer crop dry down and winter plantings.

SOUTH AFRICA: Warm, dry weather favored winter wheat harvesting but restricted corn planting.

SOUTHEAST ASIA: Monsoonal showers began withdrawing across Indochina, favoring rice harvesting. Tropical Storm Beth brought widespread showers to the northern Philippines, slowing rice harvesting.

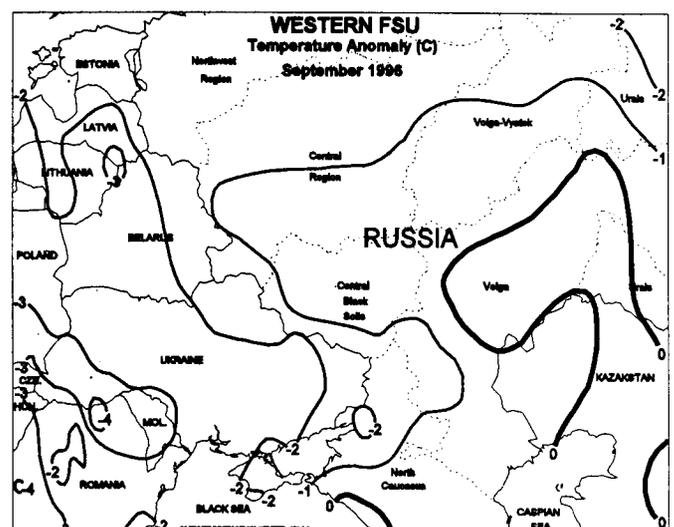
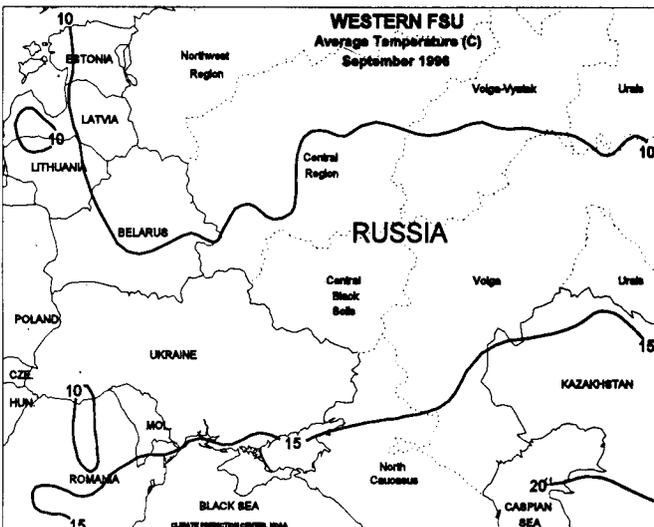
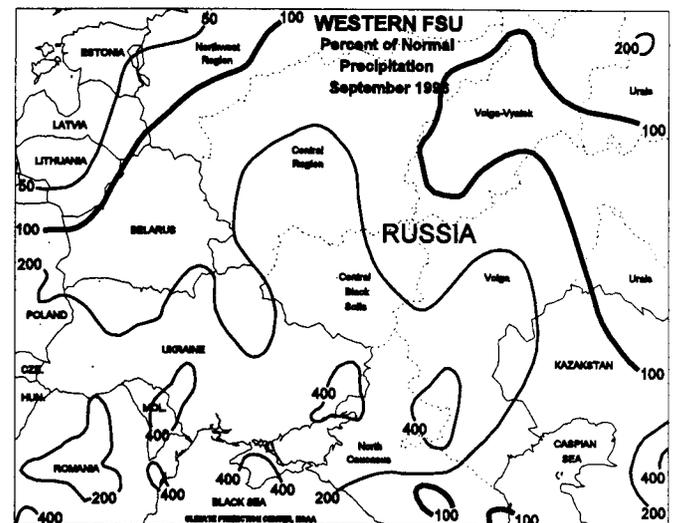
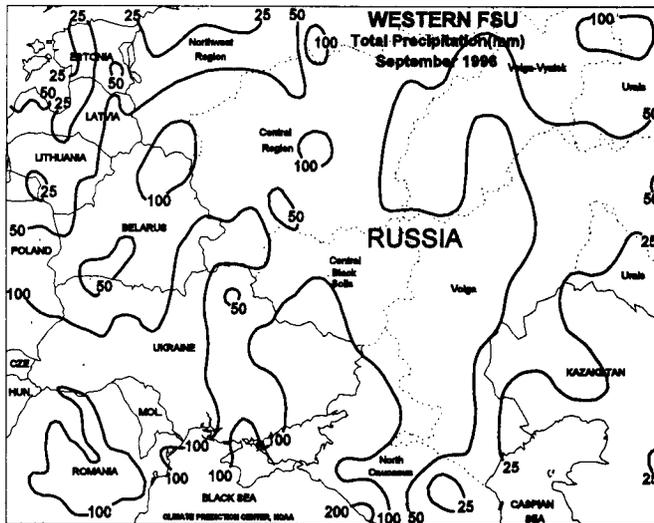
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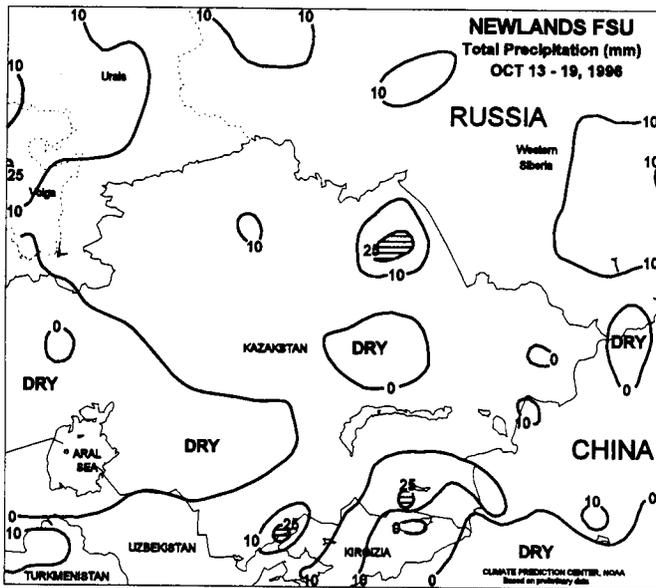




FSU-WESTERN

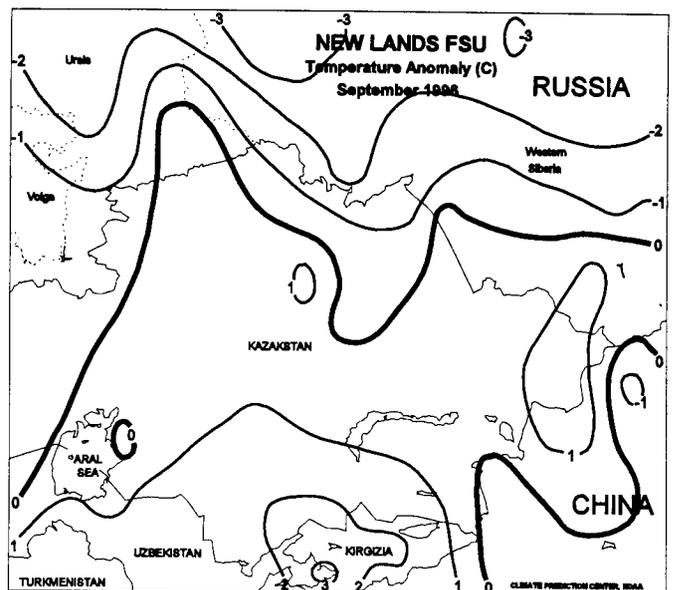
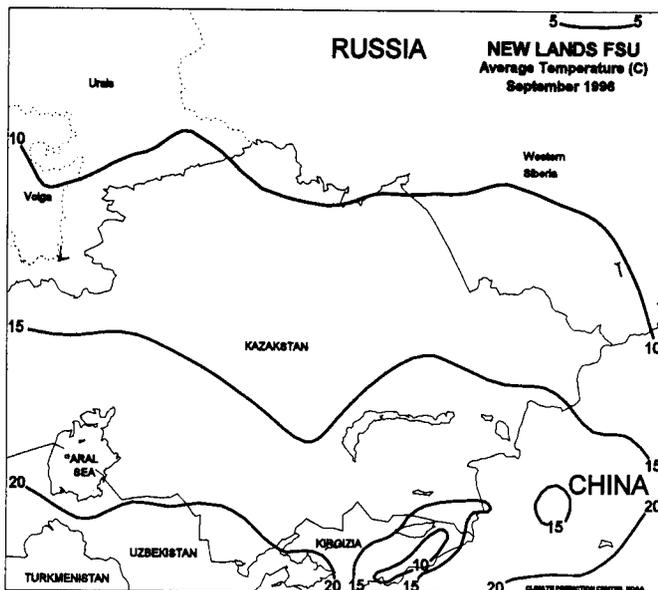
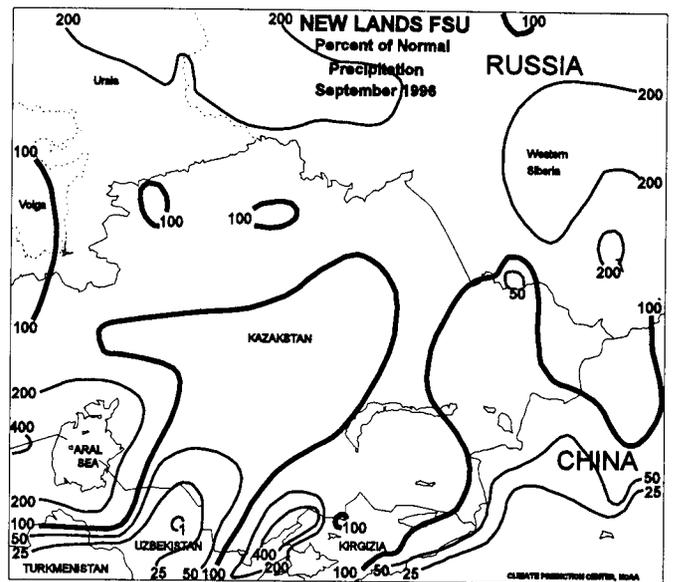
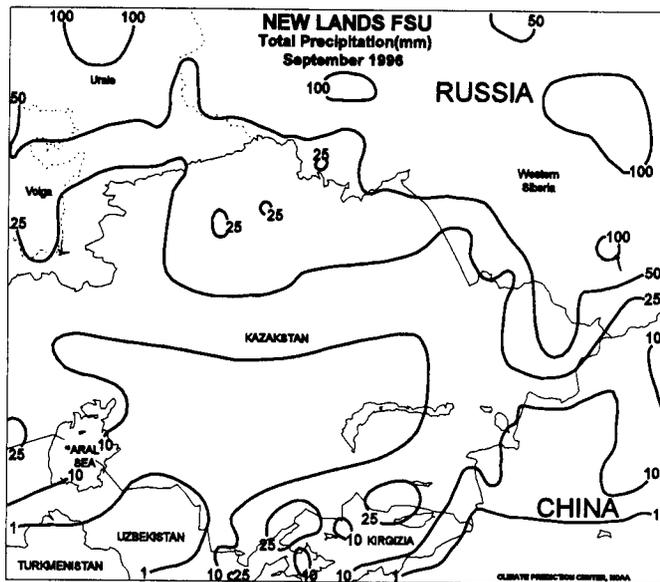
Unusually warm, dry weather prevailed over Ukraine and southern Russia, helping summer crop (corn, sunflower, and sugar beet) harvesting, and promoting rapid germination and early growth of winter grains. In Russia, reports as of October 14 indicated that the sunflower harvest was about 50 percent complete, while sugar beet harvesting was about 66 percent complete. Cooler air edged southward over northern Russia during mid-week, dropping minimum temperatures to below freezing (-2 to -7 degrees C). The cold weather promoted further hardening of winter grains, which typically enter dormancy in northern Russia by late October. In September, above-normal precipitation fell over most of Russia, Ukraine, Belarus, and Moldova. Two to four times the normal amount of precipitation fell over Ukraine and southern Russia (Central Black Soils Region, lower Volga Valley, and North Caucasus), which experienced the greatest fieldwork delays. However, the rain provided abundant topsoil moisture for winter wheat emergence and early development. From September 22-24, the first sub-freezing temperatures of the season (-1 to -4 degrees C) occurred as far south as northern Ukraine and the northern tip of the North Caucasus. Although the freeze occurred somewhat earlier than usual in the south, it had minimal impact on mature crops.

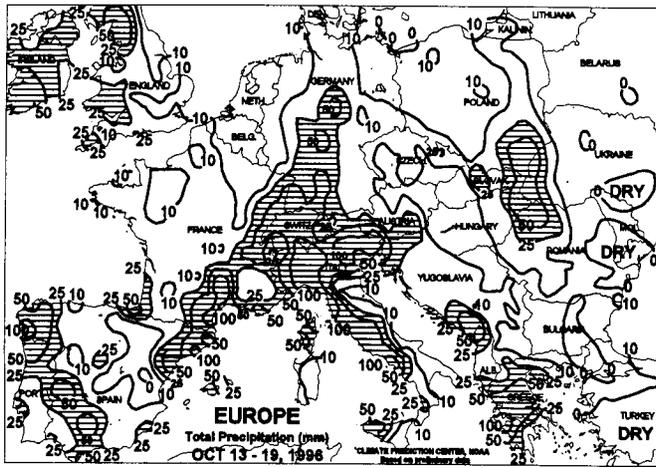




FSU-NEW LANDS

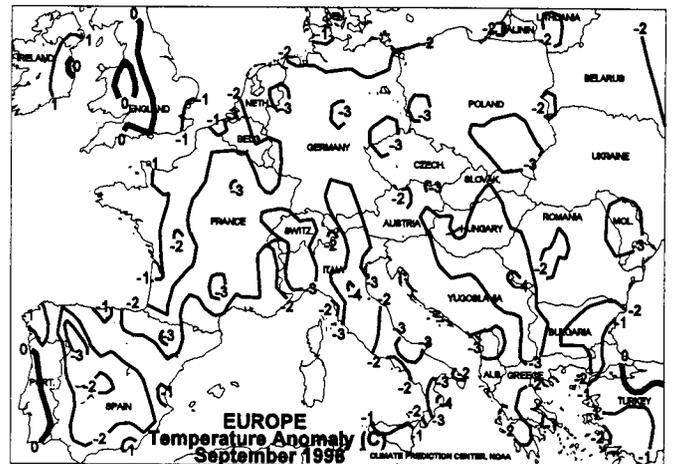
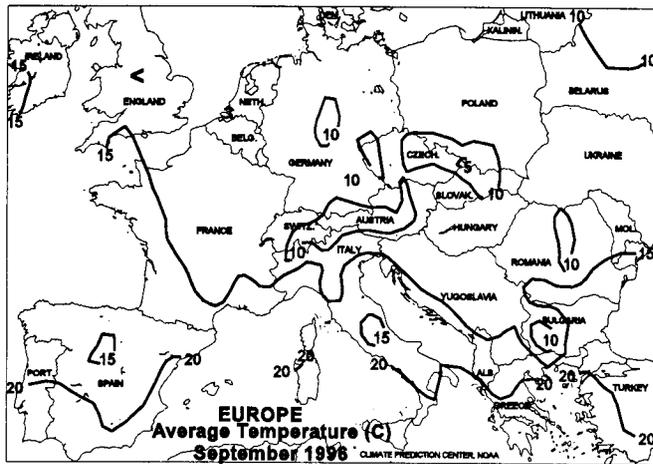
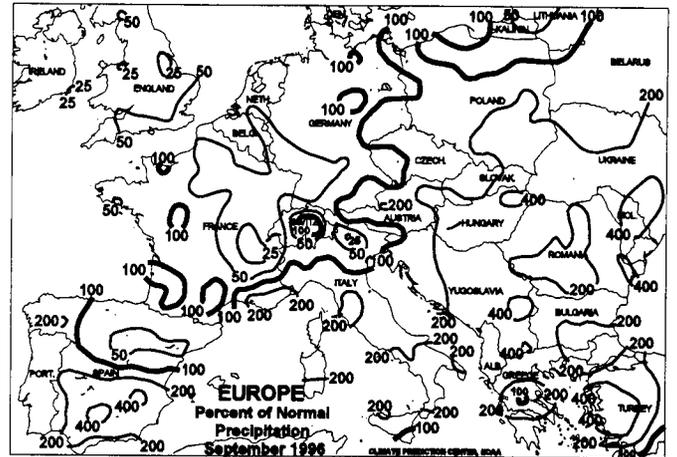
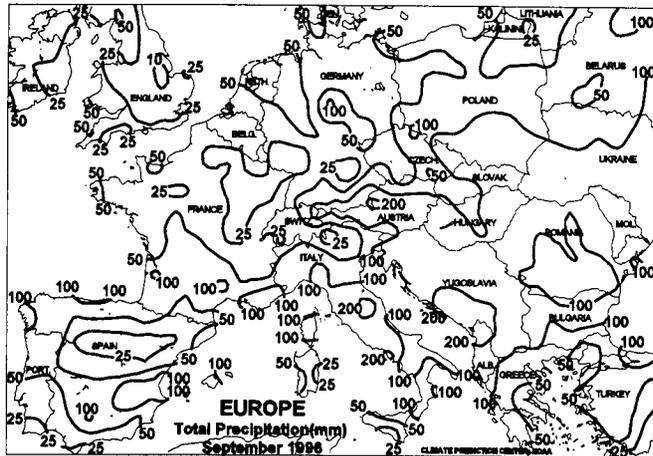
Mild weather early in the week over Russia and Kazakstan was followed by colder air and light snow. Precipitation amounts were generally less than 10 mm over most of Russia and Kazakstan. The exception was in parts of Russia (Urals and eastern areas in Siberia) where precipitation amounts ranged from 10 to 25 mm. Although spring grain harvesting in Kazakstan was virtually completed, reports as of October 14 indicated that the grain harvest in Russia continued to progress slowly and was at about 85 percent complete. In September, wet weather in Western and Eastern Siberia, Russia caused significant harvest delays. More than twice the normal amount of rain fell over some areas. In Kazakstan, although precipitation in September was near normal, periods of dryness allowed the harvest to advance. Coverage of the New Lands will be suspended until next spring's planting season. In cotton growing areas of Central Asia, early cotton harvesting was underway over most areas. Although weather conditions favored harvesting localized showers in Turkmenistan (10-20 mm) and northern Uzbekistan (40 mm) may have caused some brief delays in harvesting.



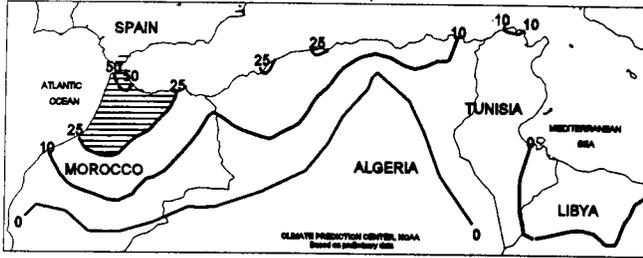


EUROPE

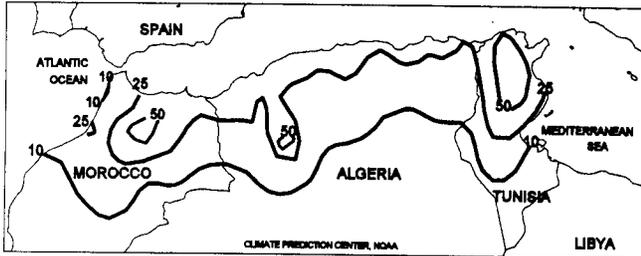
Light to moderate showers (10-50 mm) fell over Spain, France, the United Kingdom, and Germany, delaying corn and sunflower harvesting. However, the rain benefited winter grain emergence and early development. Reports indicated that winter grain planting was virtually completed in France, the United Kingdom, and Germany. In Italy's Po Valley, heavy rains (50 mm to locally more than 100 mm) halted corn, soybean, sorghum, and sunflower harvesting and raised concerns about crop quality. Wet weather (25-100 mm) in Greece interrupted cotton harvesting. Farther north in eastern Europe, several days of warm, dry weather helped harvest activities and late-winter grain planting. In September, most of France, the United Kingdom, the Benelux countries, and Germany received below-normal rainfall, helping fieldwork for summer crop harvesting and winter grain planting. Well-above-normal rainfall in southern Spain slowed early corn harvesting. In eastern Europe, two to four times the normal amounts of rain fell from Poland southward through Hungary and Romania, into former Yugoslavia and Bulgaria. September's rainy pattern in these areas delayed crop harvesting and winter grain planting.



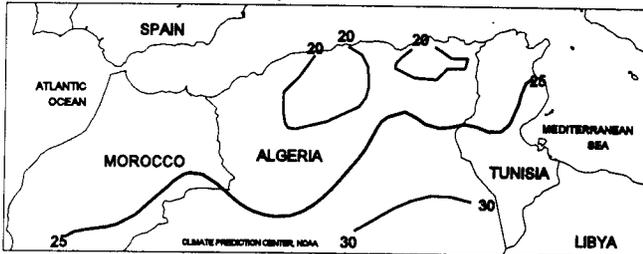
NORTHWEST AFRICA Total Precipitation (mm)
OCT 13 - 18, 1996



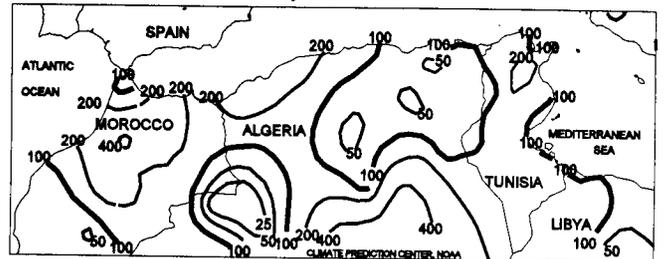
NORTHWEST AFRICA Total Precipitation (mm)
September 1996



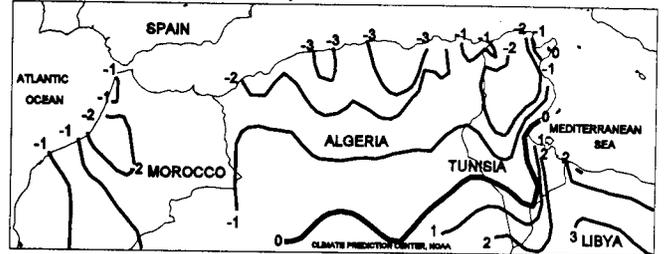
NORTHWEST AFRICA Average Temperature (C)
September 1996



NORTHWEST AFRICA Percent of Normal Precipitation
September 1996



NORTHWEST AFRICA Temperature Anomaly (C)
September 1996



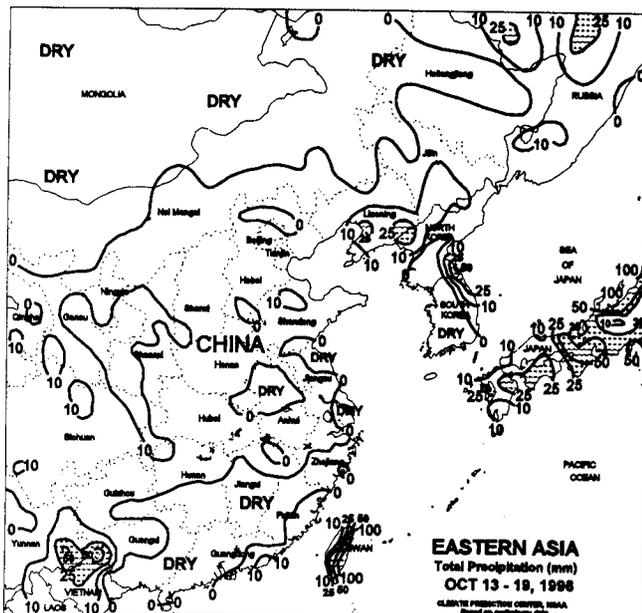
EASTERN ASIA

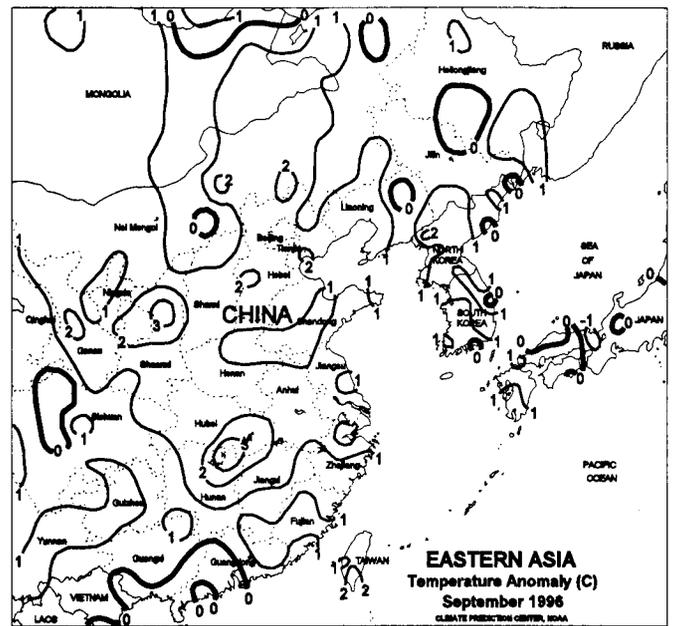
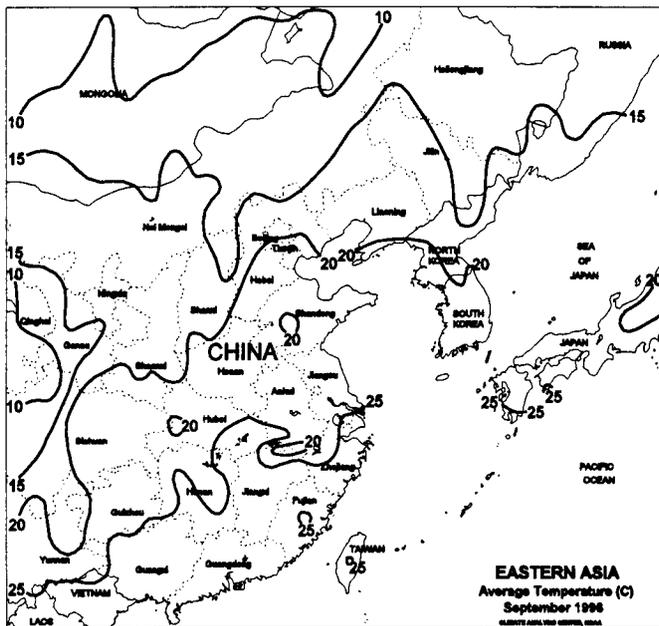
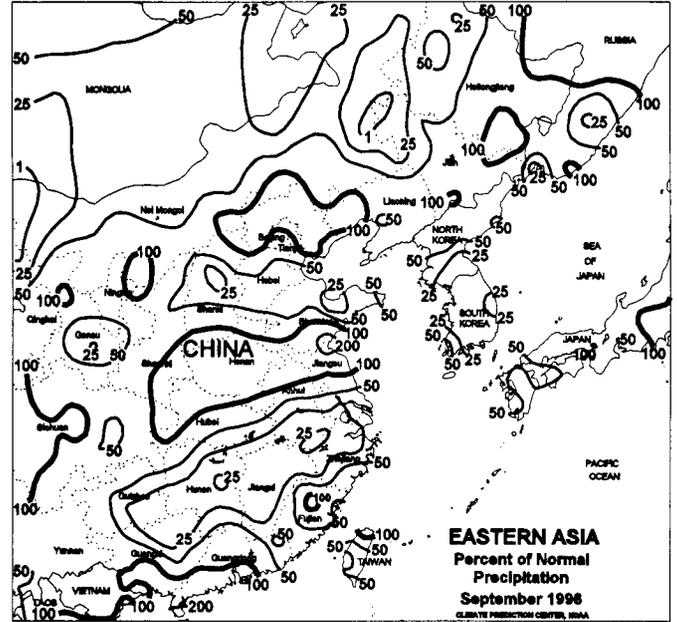
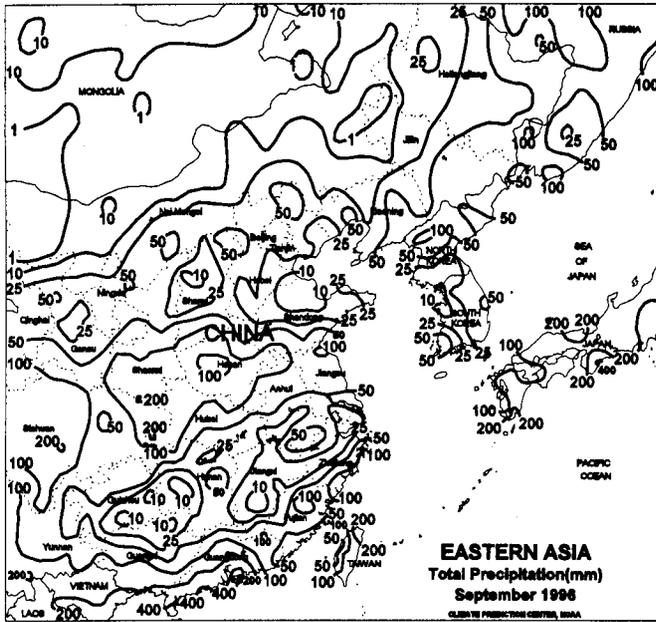
Seasonably dry weather prevailed across most of China, aiding late summer crop harvesting and winter grain and oilseed planting. Dry weather favored rice harvesting across the Korean Peninsula, but moderate rain slowed rice harvesting in central Japan. During September, rainfall averaged near to above normal across the North China Plain, increasing moisture reserves for winter wheat planting. Dry, warm September weather (less than 50 percent of normal rainfall; 1-2 degrees C above normal temperatures) aided late double-crop rice maturation and harvesting across the Yangtze Valley and interior southern China. Near- to below-normal rainfall during the month allowed rice harvesting to proceed normally in the Korean Peninsula and most Japan.

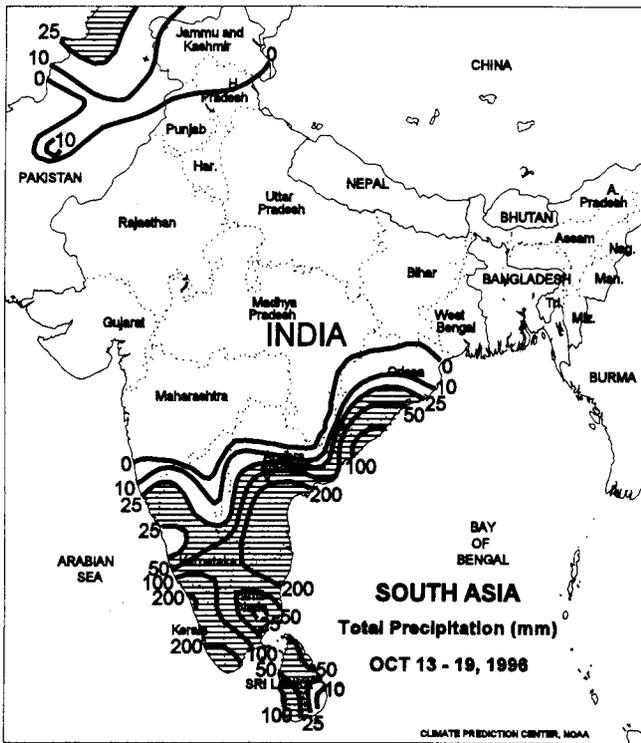
EASTERN ASIA

Total Precipitation (mm)

OCT 13 - 18, 1996

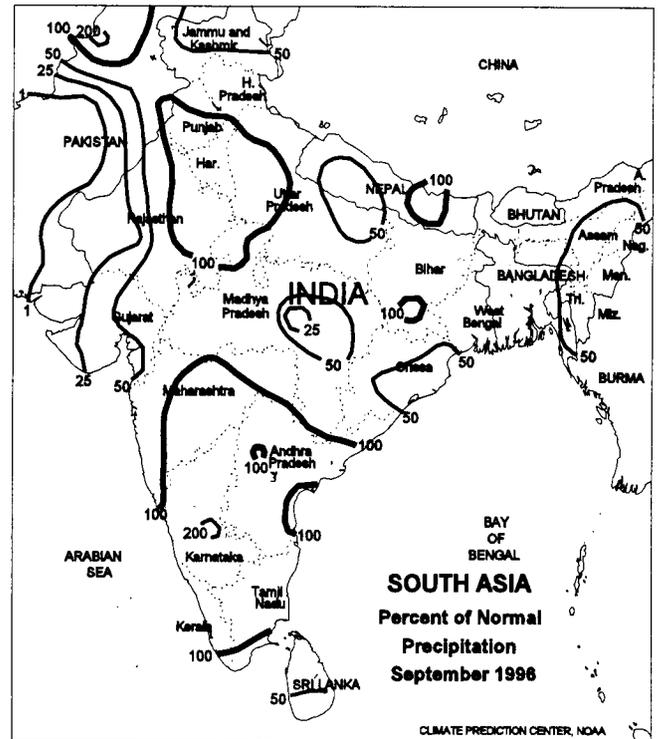
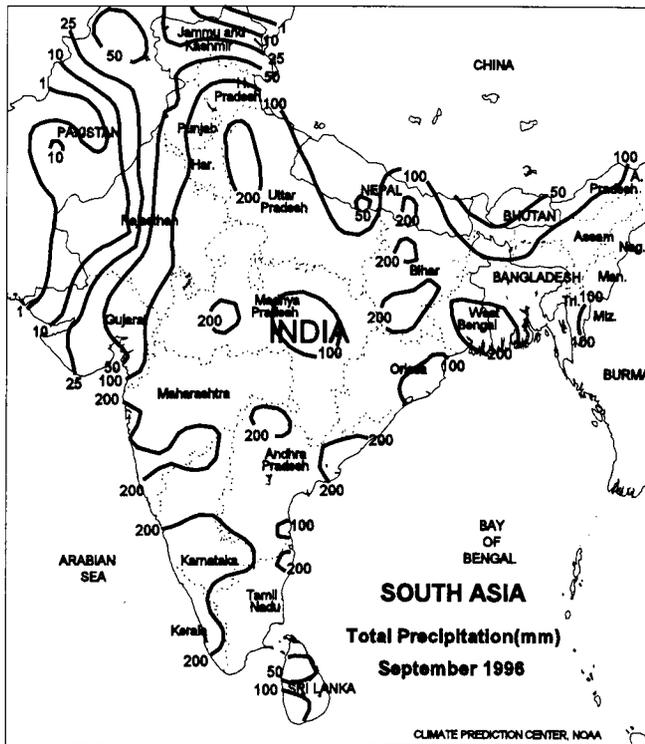


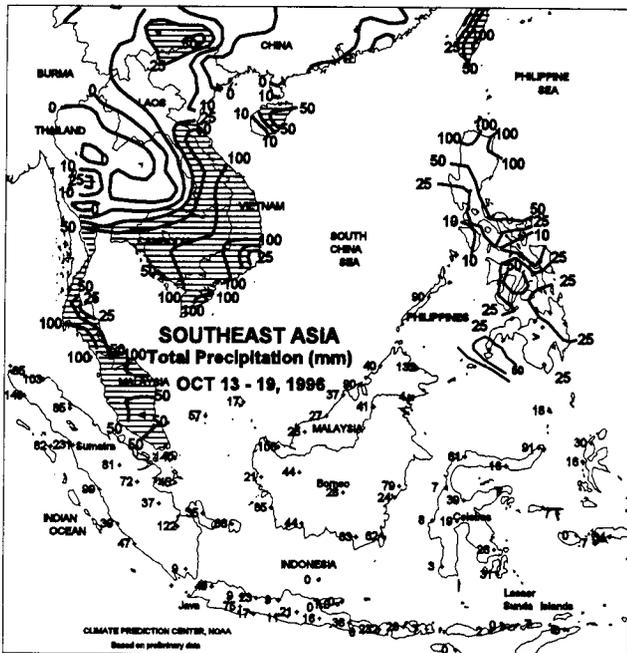
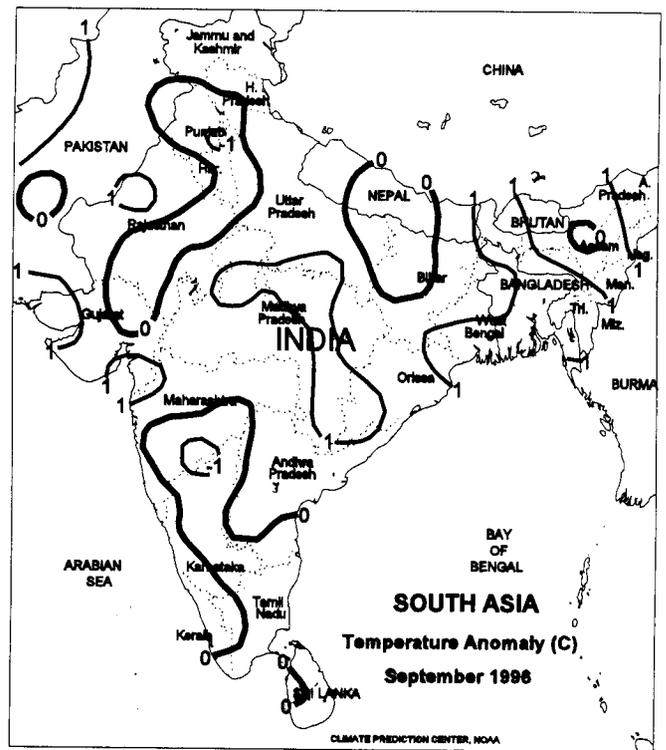
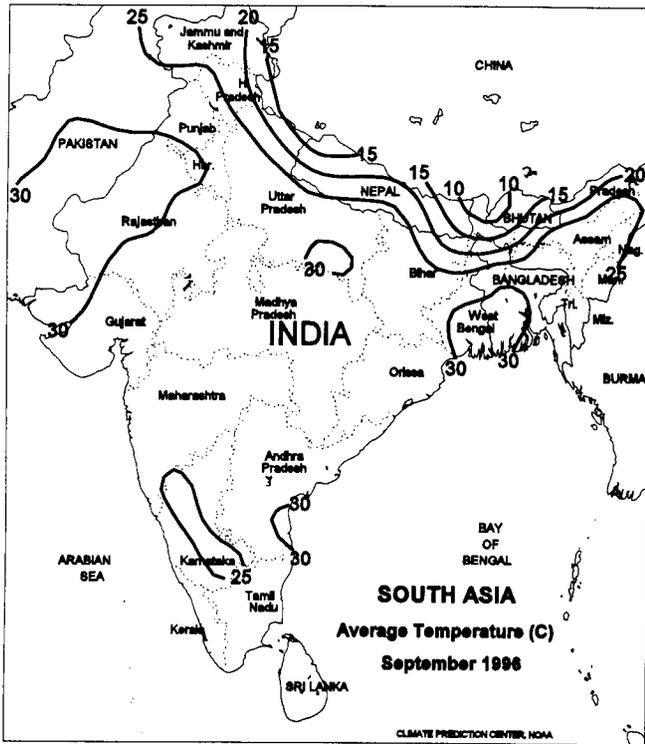




SOUTH ASIA

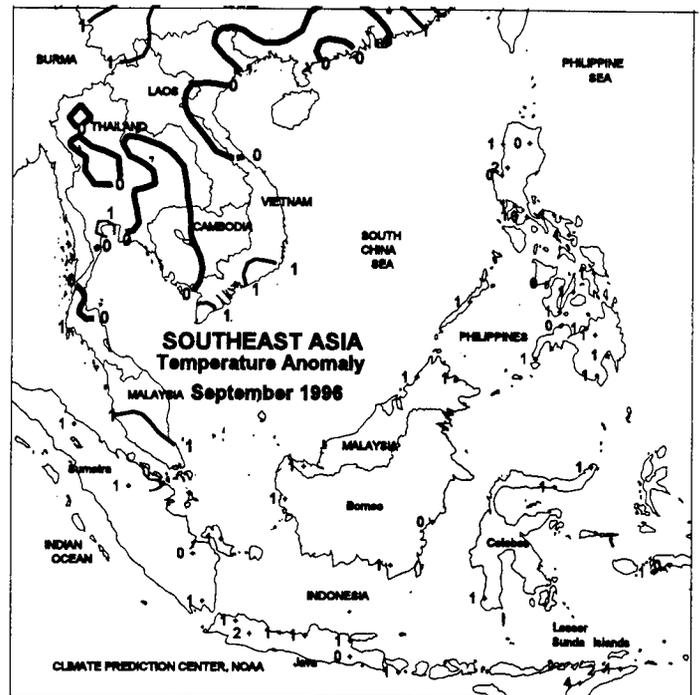
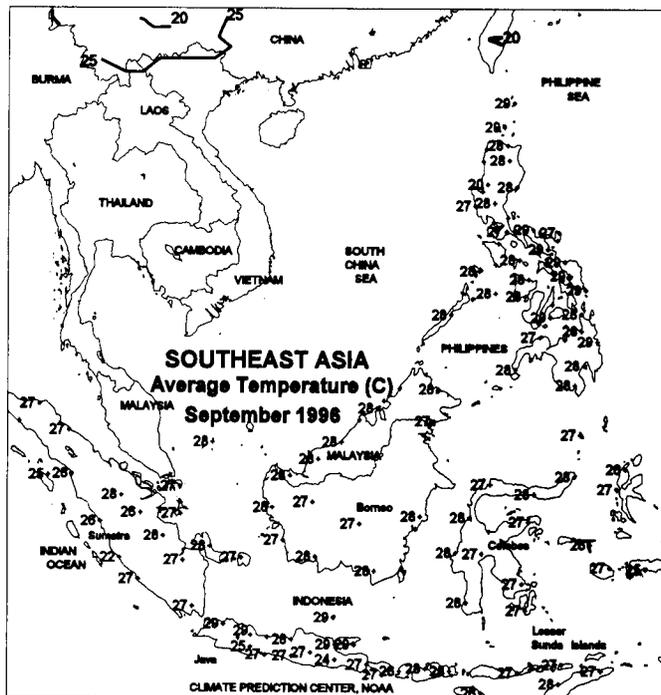
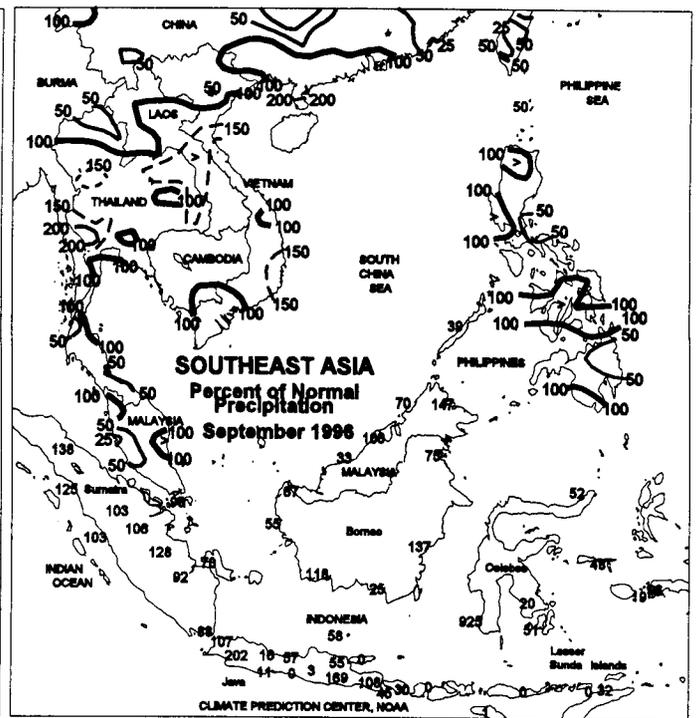
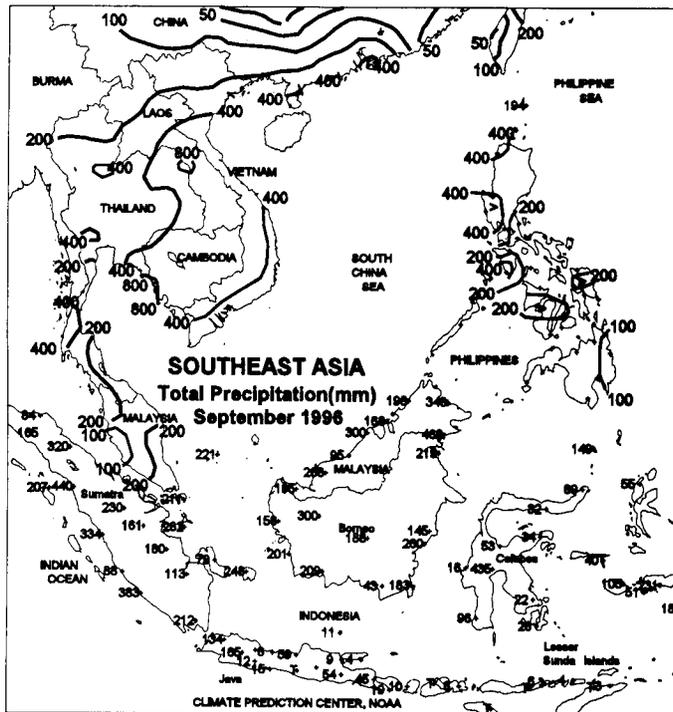
Significant rain (25-50 mm or more) was confined to India's southern tip, with local excessive amounts (100-300 mm) causing some flooding in coastal rice areas. Dry, warm weather elsewhere favored filling to maturing grains, oilseeds, and cotton. In the north, winter grain and oilseed planting progressed. During September, rainfall averaged above normal over sections of north-central India and the southern interior, maintaining ample moisture reserves for crop development. Showers were fairly frequent across central and eastern crop areas, but rainfall averaged somewhat below normal despite accumulations of 100 to 200 mm in most areas. The driest area during September continued to be Gujarat's groundnut belt, which received insufficient rainfall for normal development. In late-September, the monsoon apparently withdrew from the north about on schedule. However, an unusually heavy surge of tropical moisture returned to the region in early October, threatening rice and cotton.

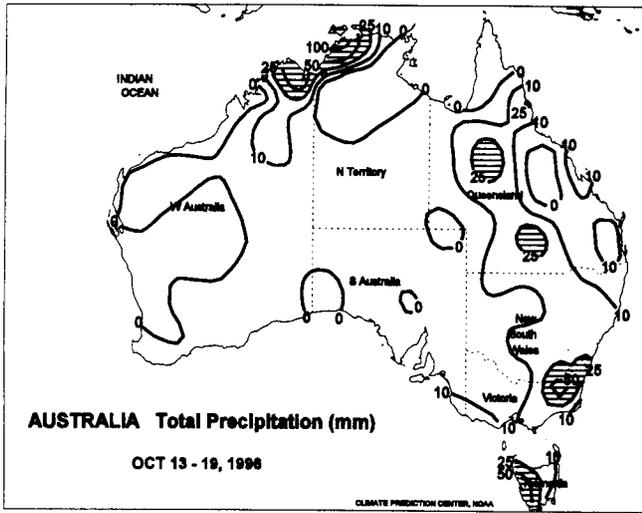




SOUTHEAST ASIA

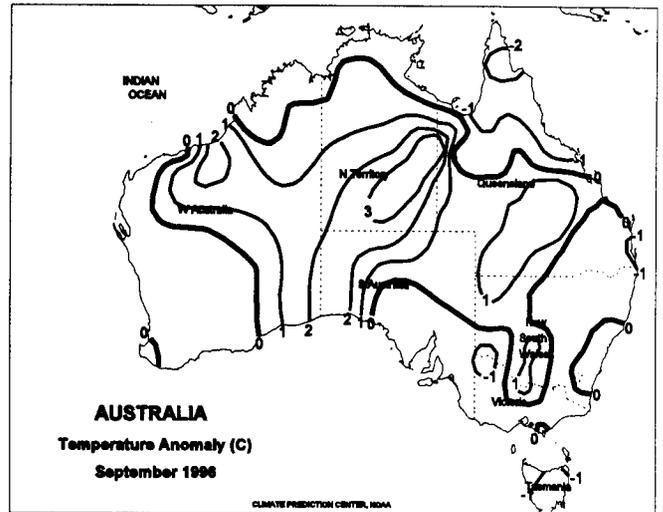
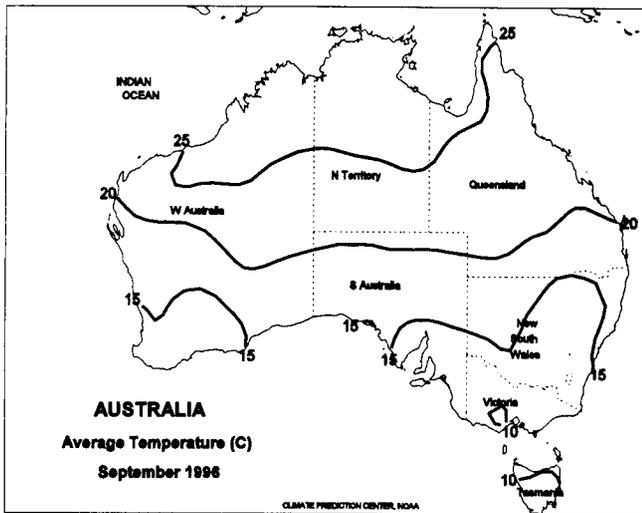
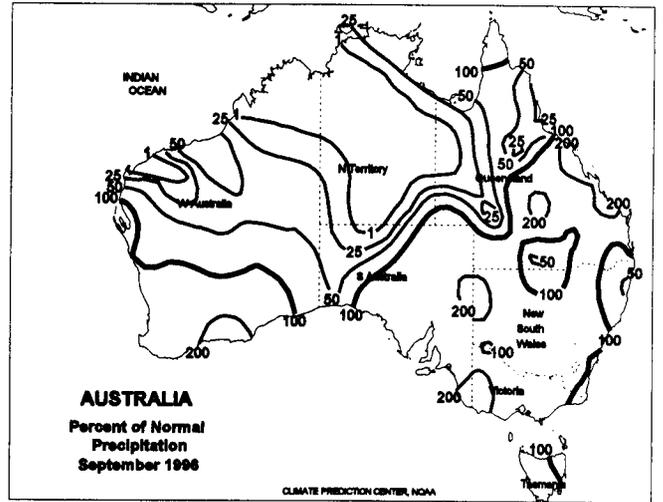
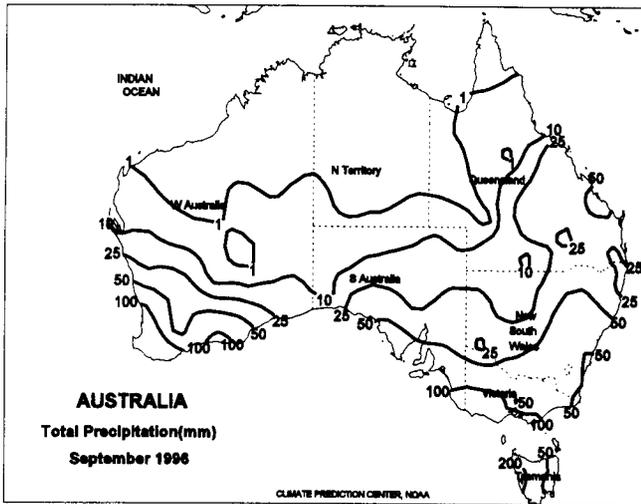
In Indochina, monsoonal showers have started to withdraw, aiding main-season and 10th-month rice harvesting in Thailand and northern Vietnam, respectively. However, showers (50-100 mm, with isolated amounts greater than 200 mm) continued across southern Vietnam, slowing summer-autumn rice harvesting. Typhoon Beth passed across Luzon, Philippines on October 17 and 18, with sustained winds of 60 to 85 knots (69-98 mph). The storm produced moderate showers (50-80 mm) over Luzon, slowing main-season rice harvesting. In Java, widespread showers (20-50 mm) continued to increase rice irrigation supplies. In September, above-normal rainfall slowed rice harvesting across eastern Thailand and northern Vietnam. Near-normal rainfall prevailed during the month across the Philippines and Java.

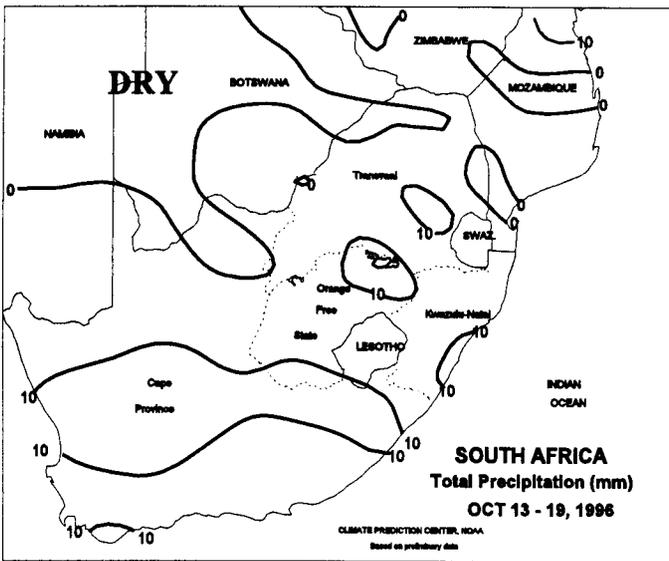




AUSTRALIA

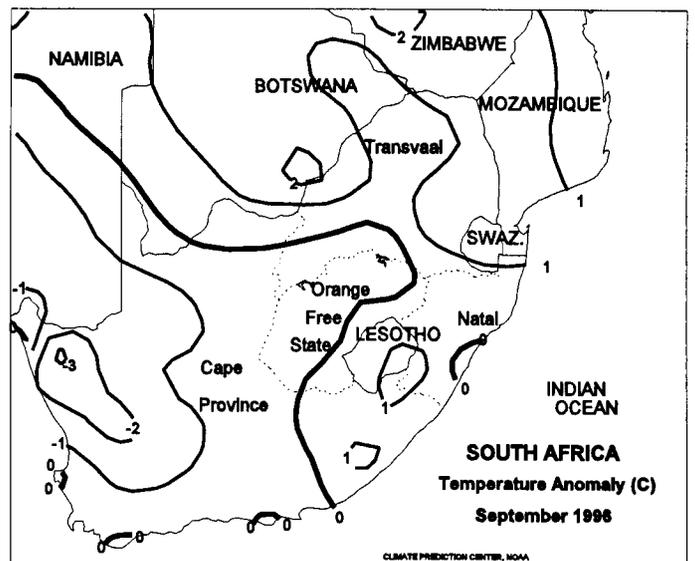
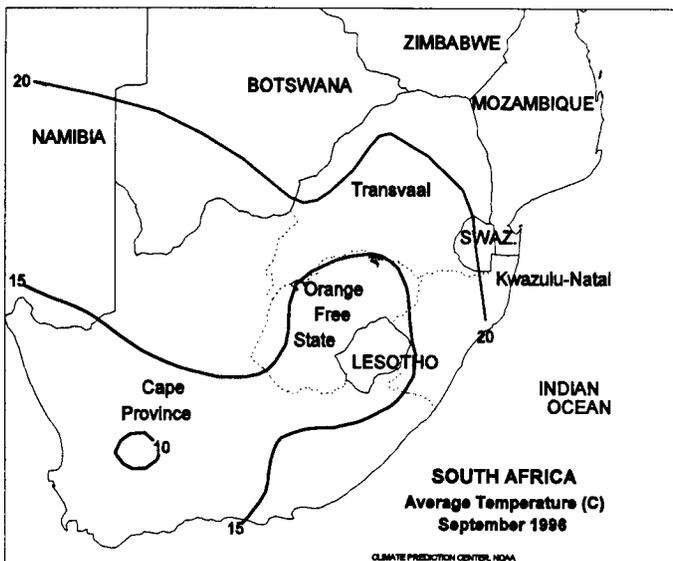
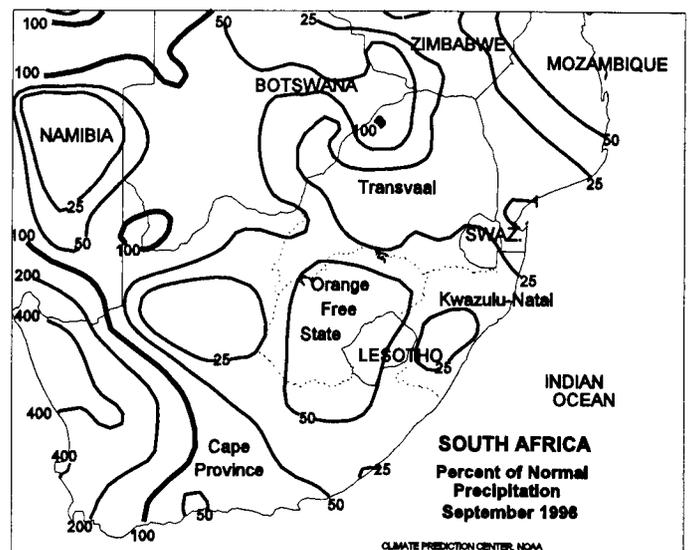
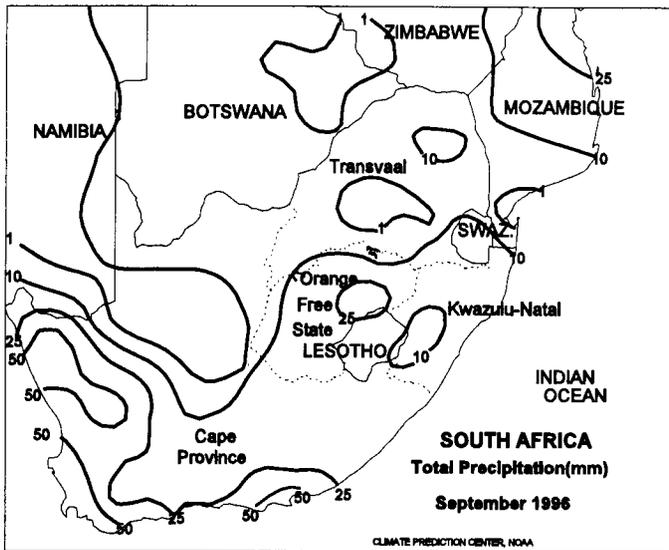
Moderate showers (10-25 mm or more) covered most eastern crop areas (Queensland and New South Wales), slowing winter grain harvests and threatening quality but maintaining favorable moisture levels for summer crop development. Mostly dry, cooler weather covered crop areas of the west and southeast, as winter grains advanced through reproduction. In New Zealand, rainfall totaled 10 mm or less in most grazing areas. In September, rainfall was near to above normal over most major agricultural areas, including those sections of the west and southeast that have been trending dry in recent weeks. September temperatures averaged near normal in most winter grain areas, with patchy frost and subsequent minor damage plaguing crops as late as the 22nd.

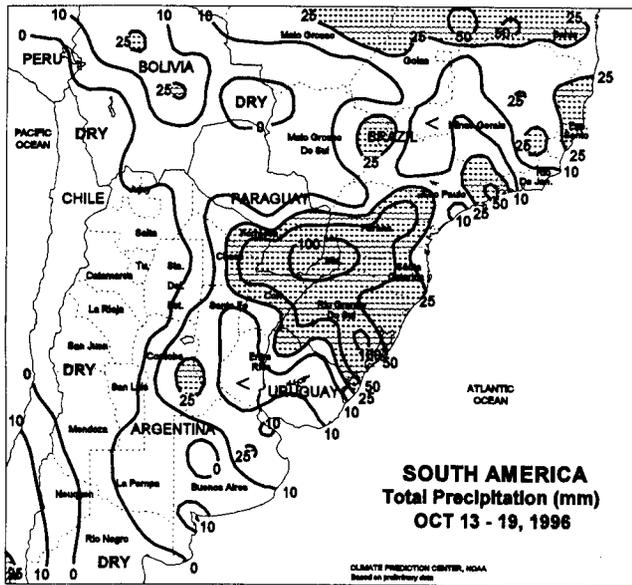




SOUTH AFRICA

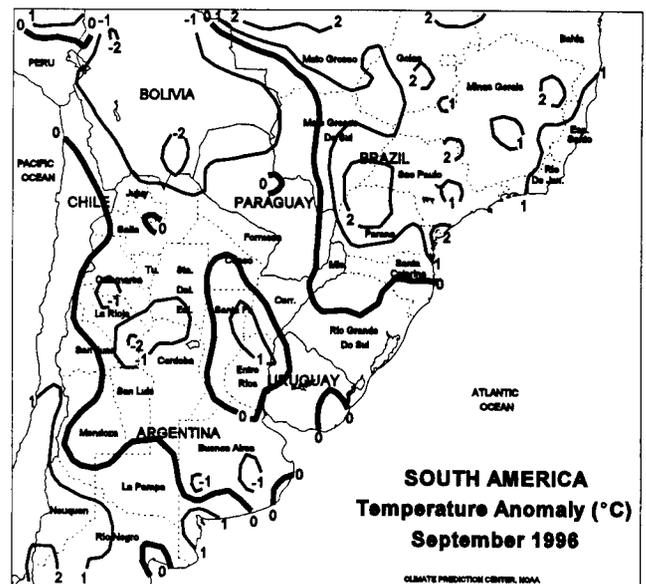
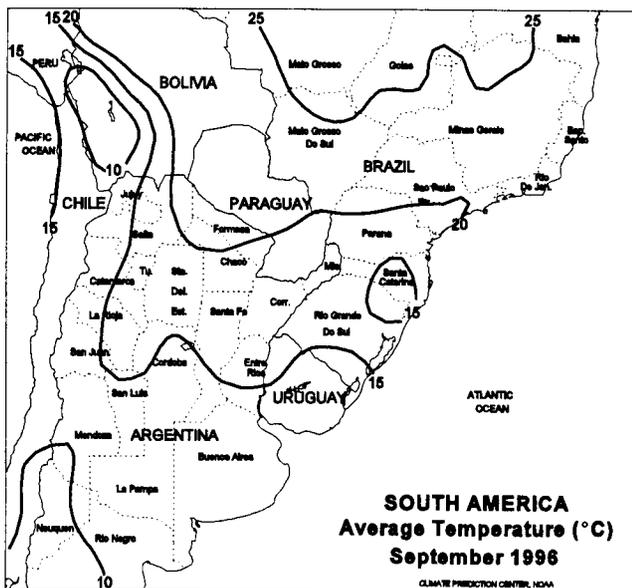
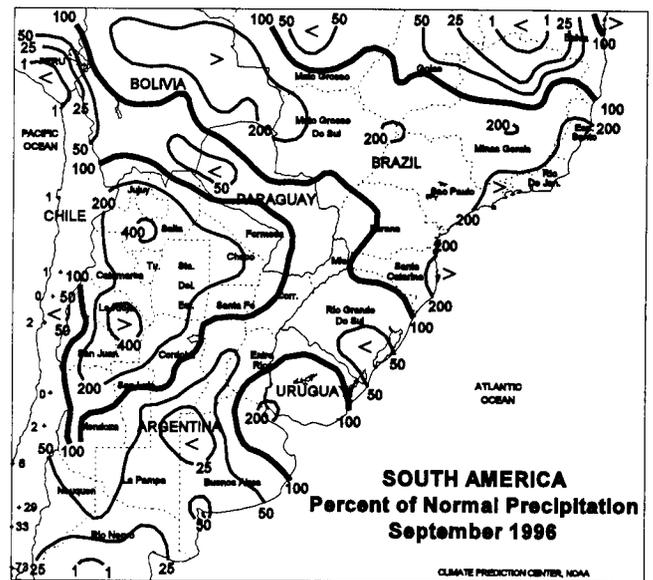
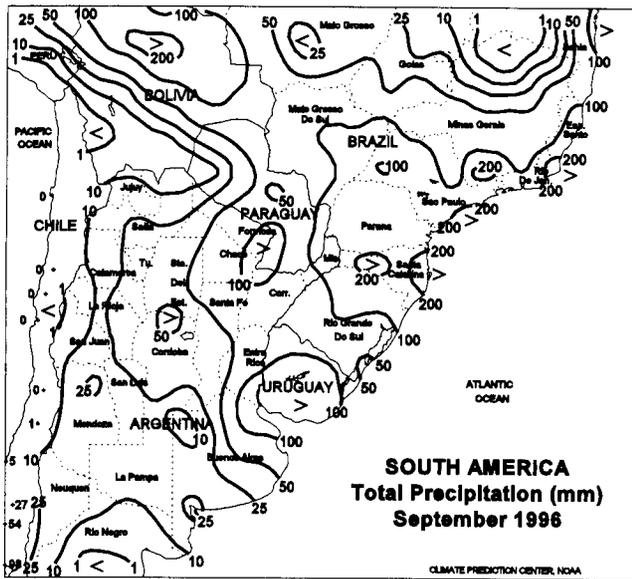
Mostly dry, warm weather covered the corn belt, with only a few locations receiving 10 to 25 mm. These conditions favored winter wheat harvesting and field preparations prior to corn planting. Due to early season dryness and the recent heat wave in the west, a good soaking rain is needed in most areas before corn planting can begin. Rainfall since September 1 has exceeded 25 mm only in central and eastern Orange Free State and Kwazulu-Natal.





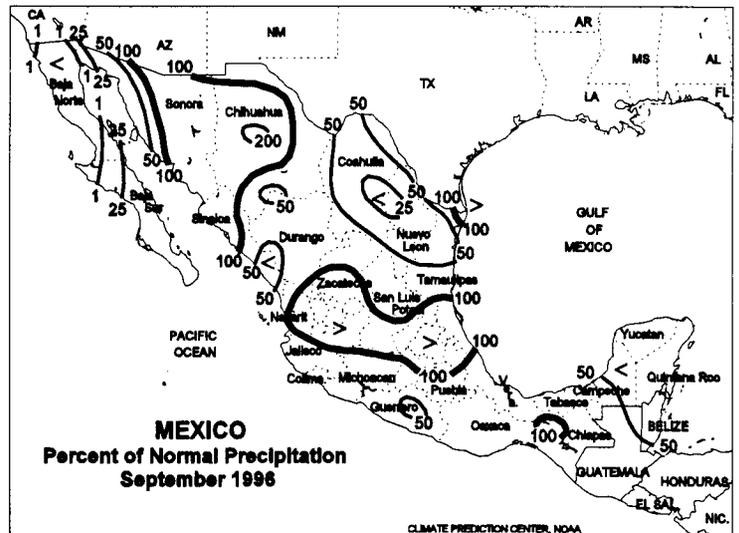
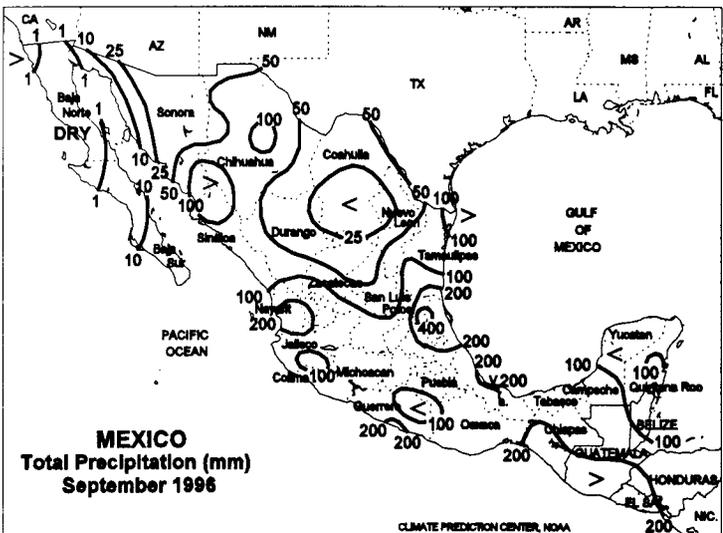
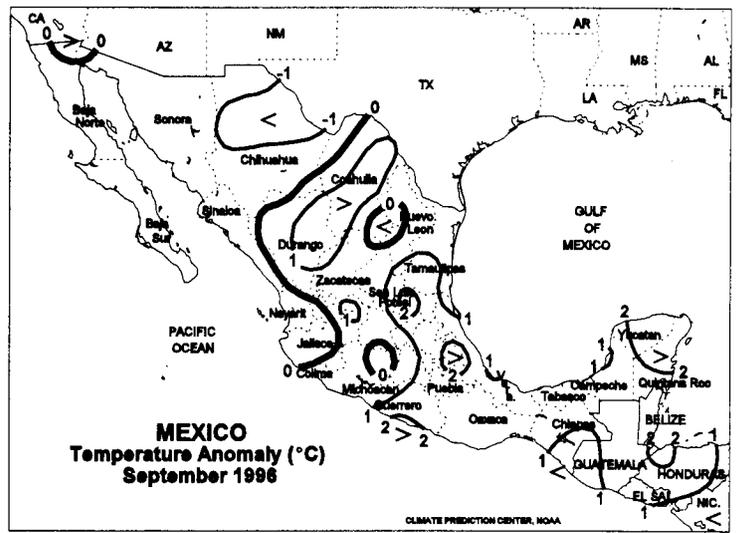
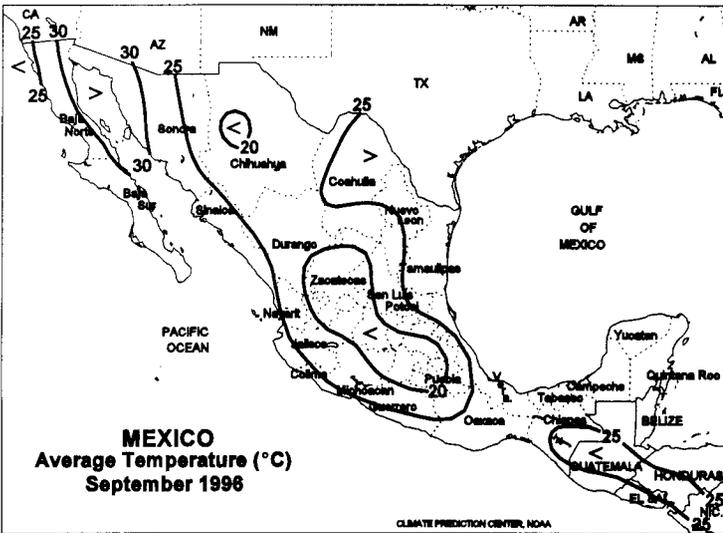
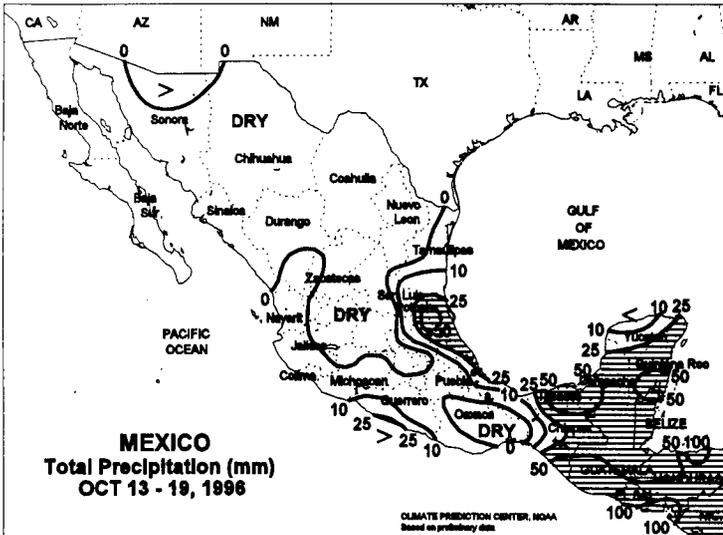
SOUTH AMERICA

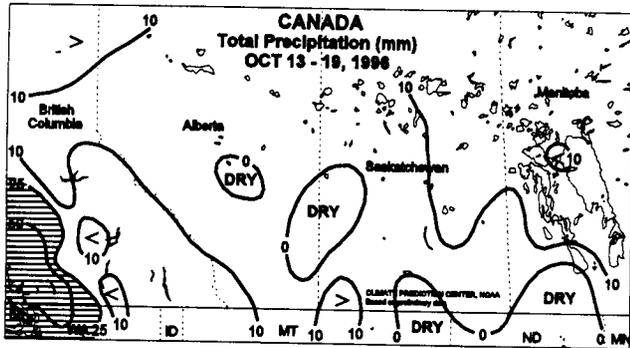
In central Argentina, drier weather favored summer crop planting after last week's timely rain. Late-week scattered rain (5-30 mm) in southern Santa Fe and northern Buenos Aires aided filling wheat and kept topsoils moist for summer crop sowing. Late-week showers (20-60 mm) kept topsoil moist for cotton field preparation in northern Argentina. In southern Brazil, heavy showers (50-100 mm, with isolated amounts greater than 125 mm) slowed summer crop planting in Parana, Rio Grande do Sul, and southern Paraguay, despite several dry days during the middle of the week. Drier weather is needed for planting to resume normally. Elsewhere in southern Brazil, scattered showers (5-45 mm) increased soil moisture for soybean planting, but widespread rain is needed, especially in Goias and Mato Grosso do Sul. In September, below-normal rainfall reduced soil moisture for vegetative to reproductive wheat in central Argentina. Across southern Brazil, near- to above-normal September rainfall boosted soil moisture for early summer crop planting and flowering citrus and coffee.



MEXICO

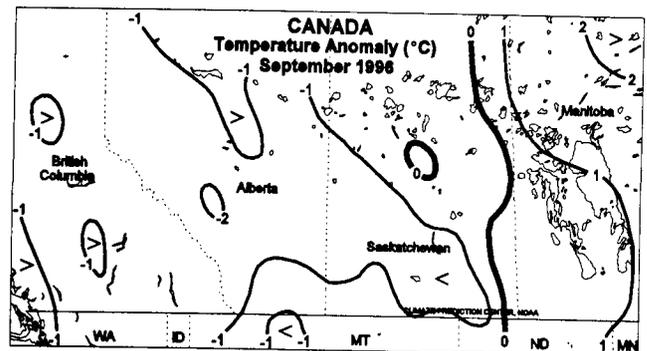
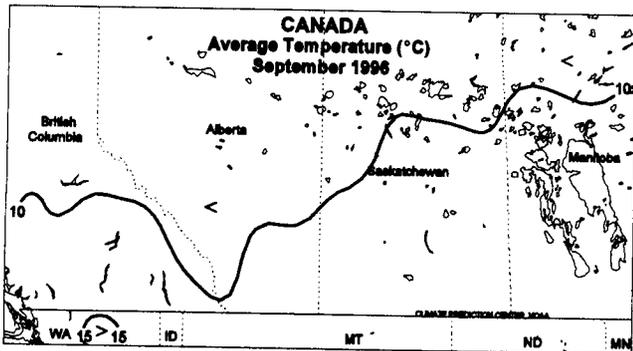
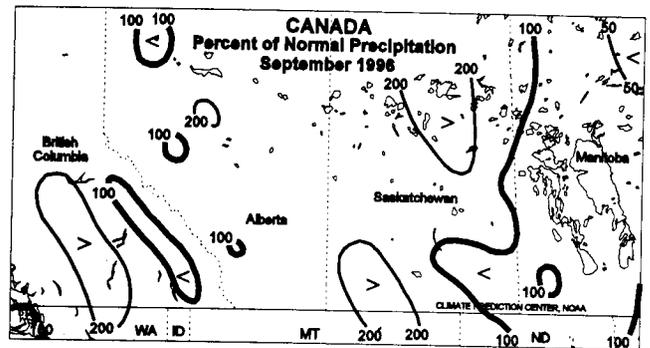
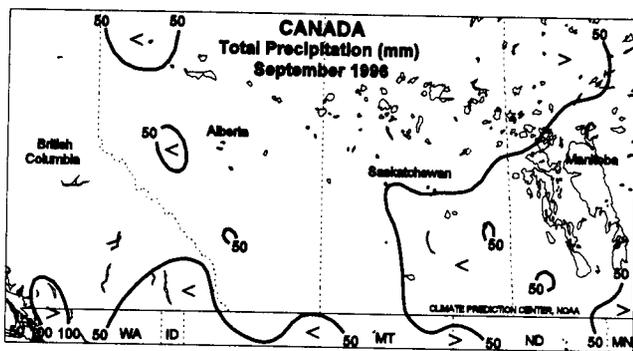
Seasonal showers continued to withdraw across northern and central Mexico, aiding corn harvesting. Light to isolated moderate showers (5-50 mm) fell across east-central Mexico (southern Tamaulipas and Veracruz), slowing fieldwork. Widespread tropical showers (25-50 mm, with isolated amounts greater than 75 mm) covered the Yucatan Peninsula, aiding filling corn. Temperatures averaged near to slightly above normal (0-2 degrees C) across northern and central Mexico. In September, near- to above-normal rainfall benefited filling corn across the main corn belt. Above-normal September rainfall increased reservoir levels across northwestern Mexico, but below-normal rainfall in the interior northeast did little to reduce long-term moisture deficits.





CANADA

Cool (temperatures averaging 1-3 degrees C below normal) but mostly dry weather over the northwestern Prairies favored final harvest efforts. In the east, showers (10-41 mm) covered Ontario's main corn and soybean areas, keeping mature crops unfavorably wet. Despite local freezing temperatures, temperatures averaging 1 to 3 degrees C above normal favored vegetative winter wheat. In September, the first autumn freeze came later than usual, sparing late-planted grains and oilseeds from significant freeze damage. However, unseasonable rains soaked western crop areas the latter half of the month, halting fieldwork for weeks and threatening quality. Weekly summaries are suspended until next spring.



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(Continued from page 18)

HIGHLIGHTS

EASTERN ASIA: Seasonably drier weather prevailed across most of China, aiding winter grain and oilseed planting and late summer crop harvesting. Rain slowed rice harvesting in central Japan.

SOUTH AMERICA: In Argentina, drier weather spurred summer crop planting after last week's favorable rain. Showers continued to boost soil moisture for summer crops across southern Paraguay and southern Brazil, but drier weather is needed for fieldwork.

MEXICO: Seasonal showers continued to withdraw across northern and central Mexico, aiding corn harvesting.

CUBA: Hurricane Lili struck western Cuba with strong winds (80-100 mph) and heavy rain, possibly damaging citrus and sugarcane.

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