

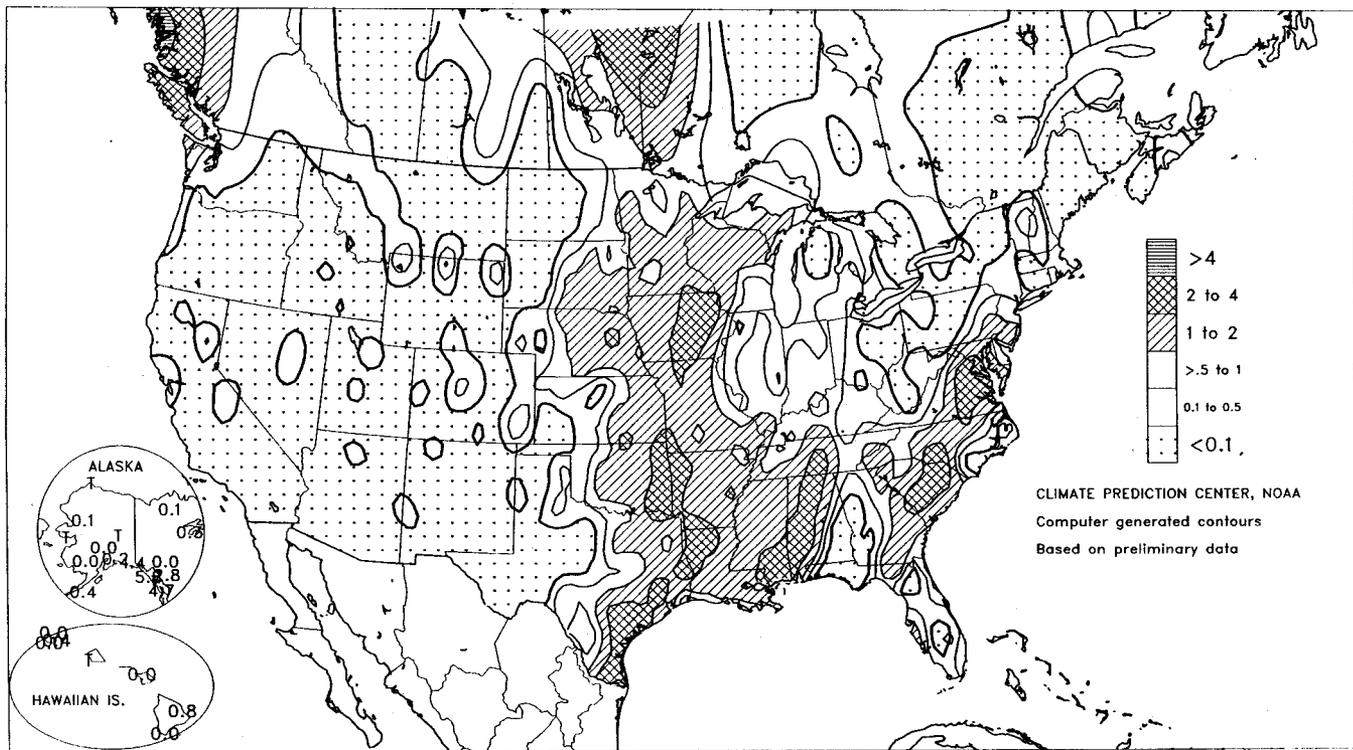
WEEKLY WEATHER AND CROP BULLETIN

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

Total Precipitation (Inches)

OCT 12 - 18, 1997



CLIMATE PREDICTION CENTER, NOAA
Computer generated contours
Based on preliminary data

HIGHLIGHTS

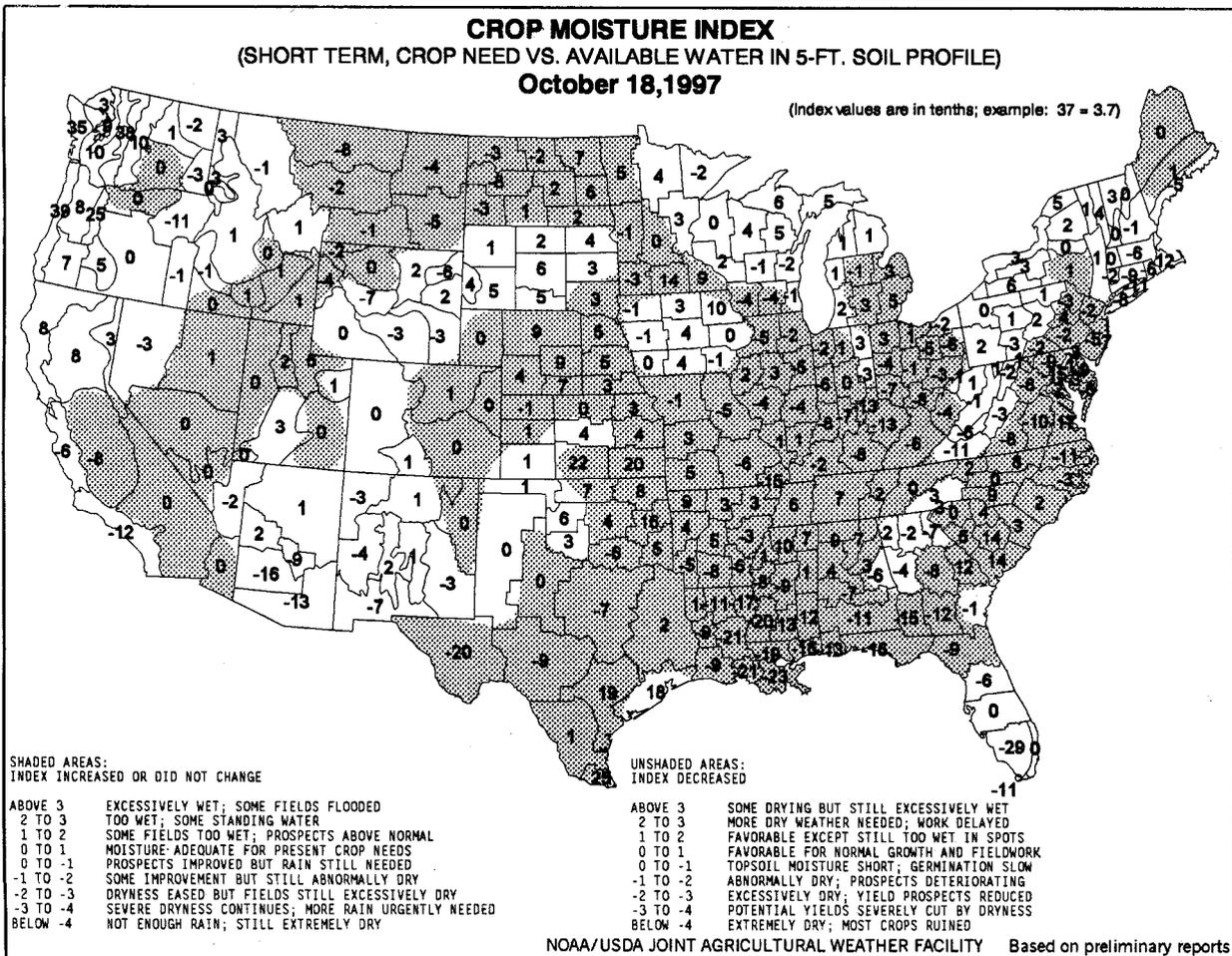
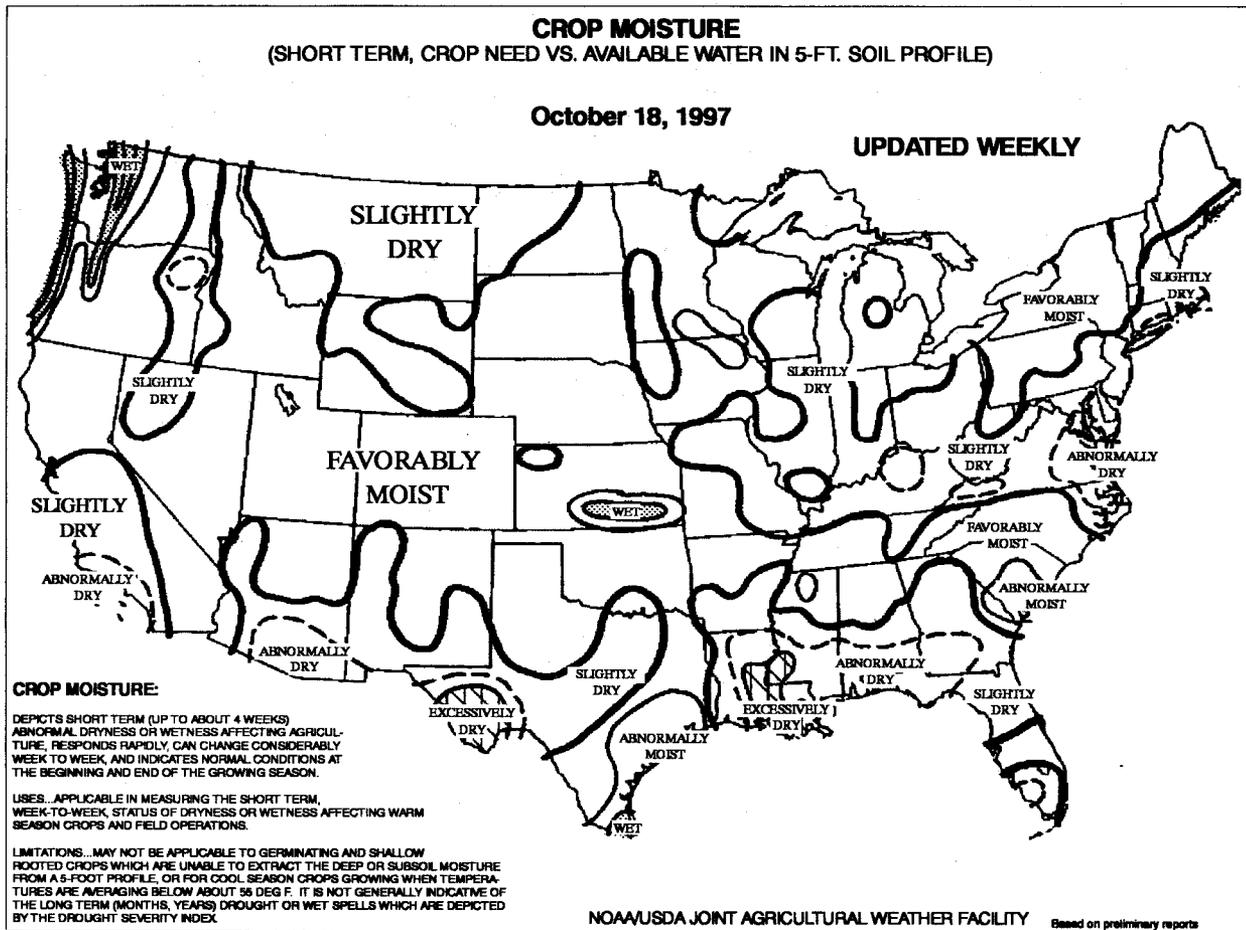
October 12 - 18, 1997

A strong cold front swept eastward, reaching the East Coast by midweek, ending a spell of late-season warmth across the Central and Eastern States. After heavy early-week rains, breezy, dry conditions allowed for a rapid return to summer crop harvesting and winter wheat planting across the Plains and Midwest. Widespread frost and freezing temperatures occurred in the Midwest and Northeast from midweek onward, approximately on schedule, having no effect on already mature crops. Weekly temperatures averaged as much as 6°F below normal from Missouri southwestward to New Mexico, and ranged from 2 to 5°F below normal from Iowa to Ohio. Much-needed dry weather

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(Continued from front cover)

returned to coastal Texas after a final day of torrential rain on Monday. Farther west, persistent high pressure over the interior West generated strong offshore (Santa Ana) winds across southern California, resulting in several daily-record highs and weekly departures of +4 to +9°F. Late in the week, a low-pressure system developed near the southern Atlantic Coast, producing heavy but much-needed rainfall.

Early in the week, heavy rain fell across the Plains and Midwest as the cold front punched eastward. On Sunday, daily-record rainfall was reported in a half-dozen cities, including Pierre, SD (2.04 inches) and Des Moines, IA (2.02 inches). By Monday, rain changed to snow flurries across the upper Midwest. In Rochester, Monday's light snow fell 2 days after a high of 76°F and 10 days after an October-record high of 93°F. In North Dakota, highs on Monday struggled to just 33°F in Bismarck and Jamestown.

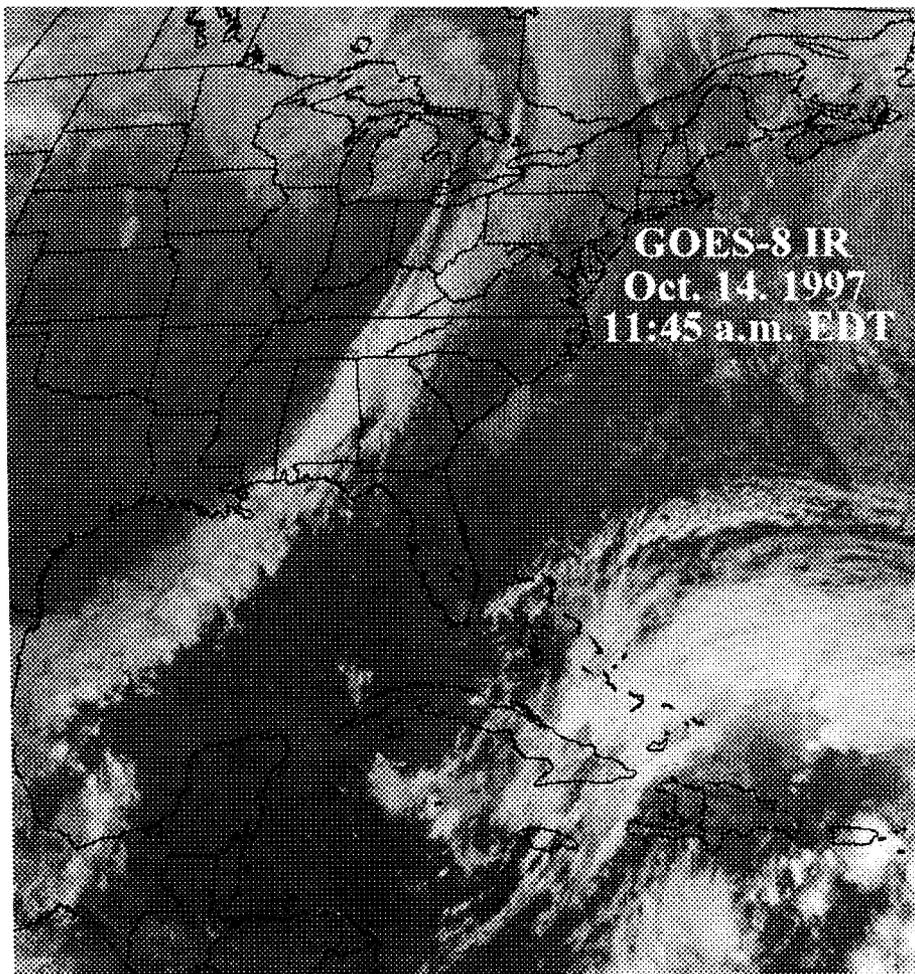
A handful of daily-record lows were established in the front's wake, including 31°F in Wenatchee, WA on Sunday, 22°F in Pueblo, CO on Monday, and 37°F in San Angelo, TX on Tuesday. Temperatures rebounded quickly on the Plains, returning to highs in the 60's and 70's by late in the week. In Wyoming, daily-record highs were tied on Friday in Casper (77°F) and Rawlins (71°F). Farther west, highs on Thursday in southern California soared to daily-record levels in Chatsworth (101°F) and Lompoc (98°F). A day later, Redmond, OR noted a daily-record high of 85°F.

A final day of heavy rain in Texas, on October 13, resulted in daily-record totals in Brownsville (4.60 inches), Victoria (2.97 inches), and Corpus Christi (2.18 inches).

Victoria's 1997 rainfall reached 62.66 inches, surpassing their annual record set in 1919, and their daily-record total was their 14th such event this year. By storm's end, monthly rainfall in Texas reached 14.04 inches in Sarita, 13.77 inches in Brownsville, and an October-record 11.92 inches in Corpus Christi.

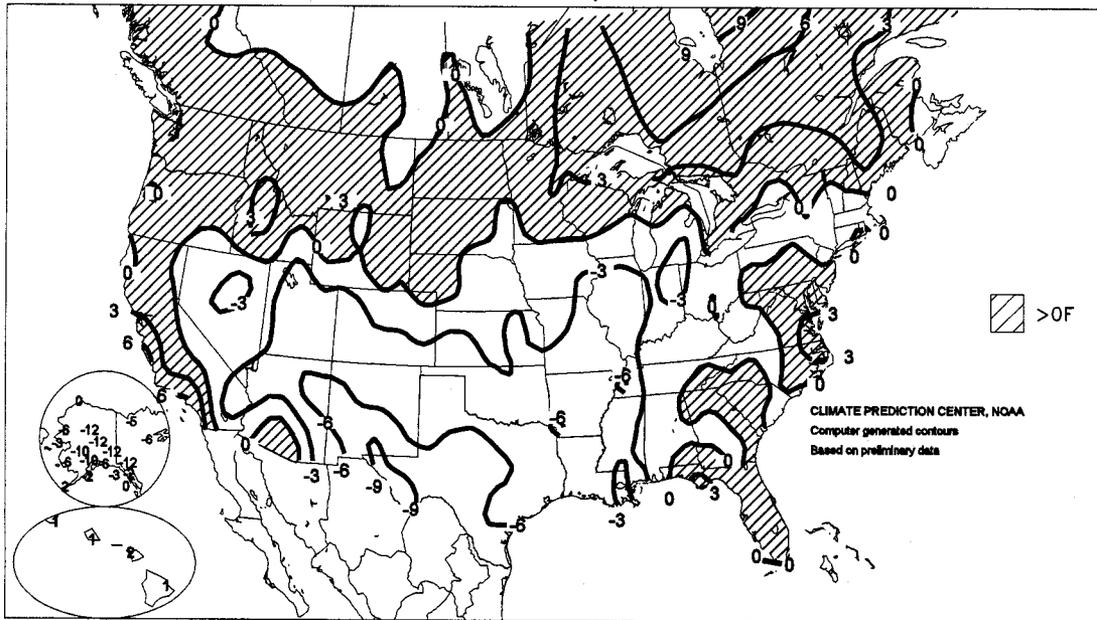
Along the east coast, disturbances traveling along a stalled front brought rain from Florida to New England at week's end. One- to 2-inch totals relieved long-term dryness in the mid-Atlantic States.

Extremely cold weather expanded across much of Alaska during the week, holding temperatures 5 to 12°F below normal. On Sunday, Northway notched a daily-record low of -7°F. The Denali National Park airstrip recorded -11°F. Later in the week, the daily-record chill shifted westward and southward to the coasts, producing lows of 7°F in King Salmon on Thursday and 2°F in Kotzebue on Friday.



Influential Front: A strong cold front crossing the Appalachians pushes moisture out of waterlogged coastal Texas, ushers a chill into the Central U.S., and keeps a gale center (later Tropical Storm Grace) at bay north of the Greater Antilles.

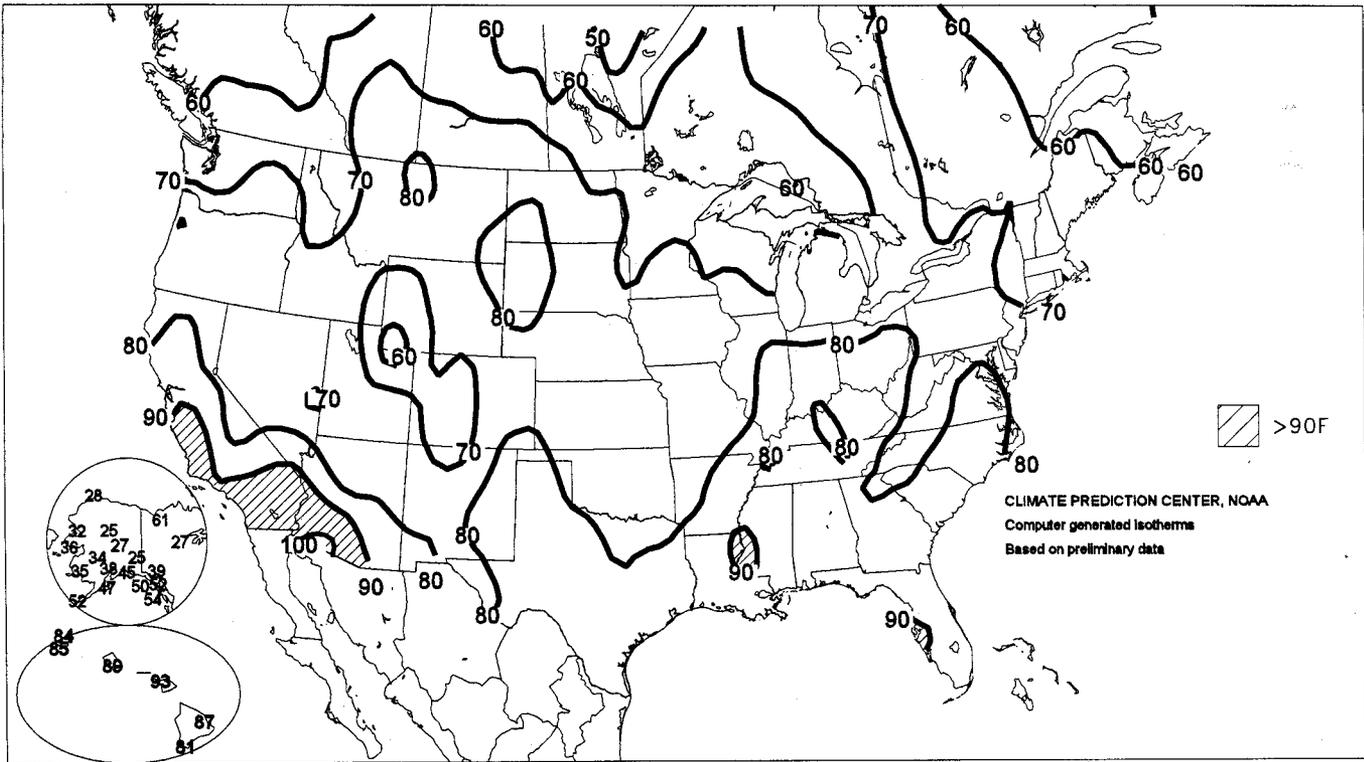
Departure of Average Temperature from Normal (F)
OCT 12 - 18, 1997



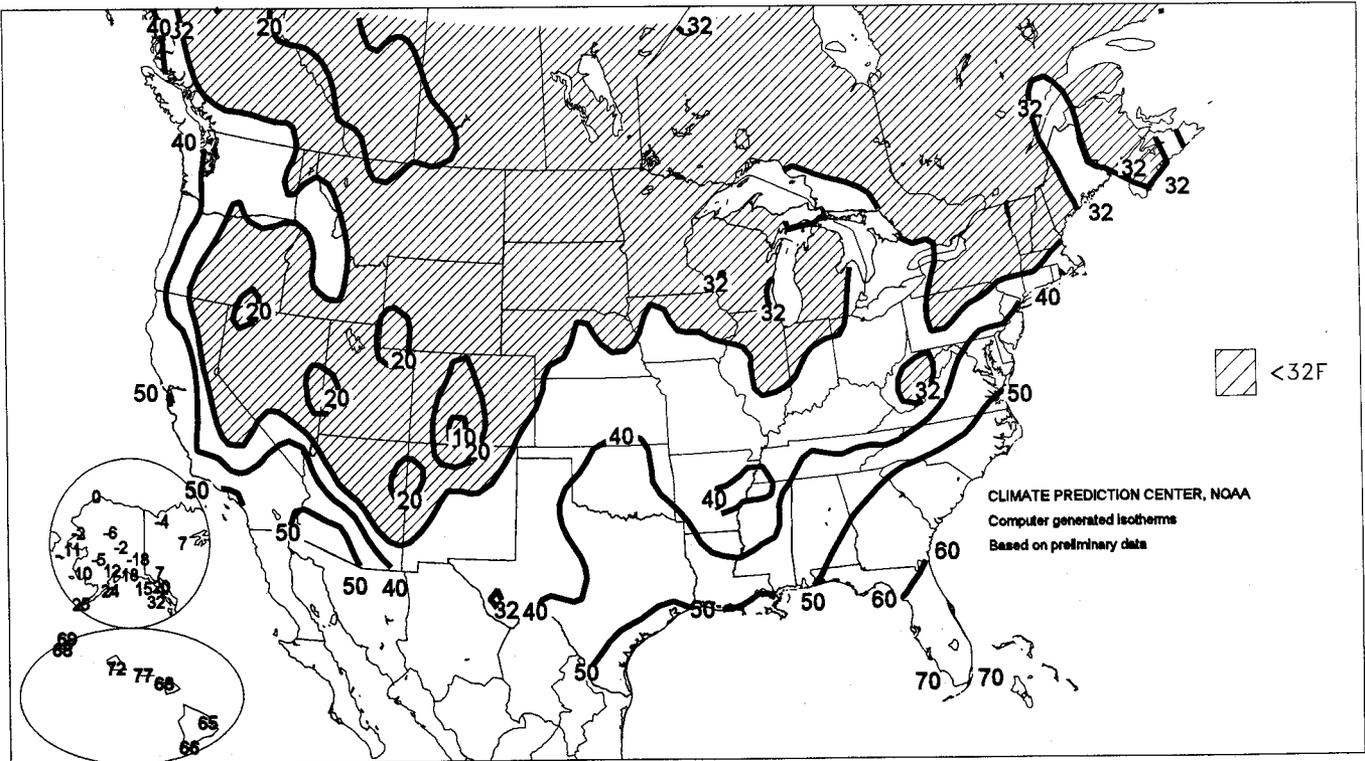
Pasture and Range Crop Condition by Percent
Week Ending October 19, 1997

	VP	P	F	G	EX		VP	P	F	G	EX
AL	7	26	39	28	0	NH	0	13	53	34	0
AZ	10	10	24	41	15	NJ	0	0	70	30	0
AR	2	20	44	32	2	NM	0	7	28	60	5
CA	5	20	40	35	0	NY	0	0	57	43	0
CO	3	6	23	46	22	NC	4	15	42	37	2
CT	0	3	55	42	0	ND	17	33	37	13	0
DE	6	30	38	26	0	OH	6	14	39	34	7
FL	0	25	30	45	0	OK	2	9	35	50	4
GA	3	18	48	30	1	OR	0	2	45	36	17
ID	0	5	30	45	20	PA	5	20	33	40	2
IL	4	16	43	35	2	RI	0	0	13	87	0
IN	14	21	36	27	2	SC	4	18	47	30	1
IA	6	20	36	32	6	SD	1	3	21	59	16
KS	2	7	32	55	4	TN	2	13	38	42	5
KY	14	31	35	18	2	TX	5	15	43	32	5
LA	4	18	50	26	2	UT	0	4	14	61	21
ME	0	0	45	55	0	VT	0	37	27	36	0
MD	3	14	41	40	2	VA	20	30	40	10	0
MA	5	14	81	0	0	WA	0	12	54	33	1
MI	4	21	48	22	5	WV	10	16	36	35	3
MN	4	16	34	39	7	WI	0	6	32	56	6
MS	2	16	38	40	4	WY	2	3	16	65	14
MO	2	13	41	43	1	ALL	4	14	36	41	5
MT	4	15	35	40	6	Prev Wk	5	14	36	39	6
NE	5	16	31	46	2	Prev Yr	3	12	36	42	7
NV	0	0	0	95	5						

Extreme Maximum Temperature (F) OCT 12 - 18, 1997



Extreme Minimum Temperature (F) OCT 12 - 18, 1997



National Weather Data for Selected Cities

Weather Data for the Week Ending October 18, 1997

Data Provided by Climate Prediction Center (301-763-8000 EXT. 7511)

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	30 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	.50 INCH OR MORE	01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	72	50	84	42	61	-2	0.97	0.36	0.59	4.94	89	42.53	97	92	53	0	0	0	3	1	
HUNTSVILLE	71	49	85	42	60	-2	2.25	1.55	2.09	7.68	130	46.17	103	88	46	0	0	2	1		
MOBILE	75	56	84	46	66	-3	3.51	2.88	1.83	5.51	71	64.79	121	87	53	0	0	3	2		
AK FAIRBANKS	75	55	89	47	65	-1	0.37	-0.15	0.35	3.20	58	35.32	82	94	56	0	0	2	0		
ANCHORAGE	32	19	38	12	26	-10	0.22	-0.25	0.22	2.75	69	15.10	117	75	41	0	7	1	0		
BARROW	18	10	28	0	14	0	0.03	-0.08	0.02	1.13	130	5.16	136	88	73	0	7	2	0		
FAIRBANKS	22	5	27	-2	14	-12	0.01	-0.18	0.01	0.88	61	4.70	53	78	49	0	7	1	0		
JUNEAU	45	37	52	20	41	-2	-	-	-	-	-	-	-	94	73	0	2	-	-		
KODIAK	43	35	47	24	39	-2	1.53	-0.11	0.85	9.18	81	49.07	96	88	68	0	2	3	2		
NOME	32	18	36	11	25	-3	0.03	-0.27	0.03	2.56	77	13.43	107	80	47	0	7	1	0		
AZ FLAGSTAFF	61	28	69	23	44	-3	0.00	-0.36	0.00	4.68	158	13.69	77	70	21	0	7	0	0		
PHOENIX	88	61	94	52	75	0	0.00	-0.14	0.00	0.45	36	3.71	64	26	10	5	0	0	0		
PRESCOTT	71	36	77	27	53	-2	0.00	-0.25	0.00	4.04	151	13.66	85	83	16	0	2	0	0		
TUCSON	85	58	89	46	71	0	0.00	-0.24	0.00	1.43	61	6.81	69	27	10	0	0	0	0		
YUMA	90	62	96	54	76	-1	0.00	-0.06	0.00	4.54	1009	5.11	217	37	17	5	0	0	0		
AR FORT SMITH	71	47	76	42	59	-4	1.61	0.78	1.57	5.80	109	32.13	99	98	46	0	0	4	1		
LITTLE ROCK	73	50	87	41	61	-2	1.37	0.55	-	6.25	102	49.30	130	86	39	0	0	2	1		
CA BAKERSFIELD	83	52	92	46	67	-1	0.00	-0.06	0.00	0.30	103	3.29	78	85	28	1	0	0	0		
EUREKA	60	48	65	45	54	-1	0.01	-0.55	0.01	3.75	185	23.89	101	95	82	0	0	1	0		
FRESNO	83	50	90	43	67	1	0.00	-0.11	0.00	0.22	48	4.21	57	75	21	1	0	0	0		
LOS ANGELES	87	62	97	55	74	7	0.00	-0.06	0.00	0.27	63	5.90	71	58	24	3	0	0	0		
REDDING	81	47	84	42	64	0	0.00	-0.47	0.00	4.93	261	22.82	107	84	25	0	0	0	0		
SACRAM/MCCLELL	83	49	88	46	66	-	0.00	-	0.00	0.39	-	9.90	-	89	25	0	0	0	0		
SAN DIEGO	83	60	91	56	72	4	0.00	-0.07	0.00	0.87	242	4.20	63	82	25	2	0	0	0		
SAN FRANCISCO	75	53	83	50	64	3	0.01	-0.25	0.01	0.76	104	10.12	78	81	45	0	0	1	0		
CO ALAMOSA	59	21	67	13	40	-4	0.00	-0.17	0.00	1.89	142	6.75	108	81	18	0	7	0	0		
CO SPRINGS	63	33	75	22	48	-2	0.03	-0.16	0.03	1.81	97	21.86	148	73	23	0	2	1	0		
DENVER	64	37	76	29	51	-1	0.36	0.14	0.36	1.35	74	18.18	135	66	21	0	3	1	0		
GRAND JUNCTION	63	34	71	28	49	-7	0.24	0.02	0.24	3.82	273	12.24	177	82	32	0	3	1	0		
PUEBLO	70	29	80	22	50	-5	0.05	-0.09	0.05	1.02	81	11.66	115	79	22	0	5	1	0		
CT BRIDGEPORT	61	48	66	41	55	-1	0.10	-0.69	0.06	0.73	15	27.76	84	81	55	0	0	2	0		
HARTFORD	63	40	71	32	51	-1	0.00	-0.80	0.00	1.38	24	29.54	85	94	54	0	2	0	0		
DC WASHINGTON	69	52	83	49	61	1	2.02	1.33	1.24	3.62	71	25.80	83	90	52	0	0	4	1		
DE WILMINGTON	66	48	77	44	57	1	0.67	0.04	0.40	2.61	51	-	-	83	43	0	0	5	0		
FL DAYTONA BEACH	82	69	85	66	75	2	1.19	0.25	0.62	6.84	76	40.69	99	92	62	0	0	3	2		
JACKSONVILLE	78	63	86	60	70	0	0.39	-0.25	0.24	4.73	52	40.78	90	95	71	0	0	4	0		
KEY WEST	83	74	85	71	79	-2	0.16	-0.85	0.08	7.66	89	33.19	100	86	64	0	0	4	0		
MIAMI	84	73	87	71	79	0	1.30	-0.01	0.64	14.91	132	82.29	128	81	56	0	0	4	1		
ORLANDO	85	67	87	66	76	1	0.24	-0.28	0.12	3.36	44	45.30	106	97	57	0	0	3	0		
TAMPA	84	69	89	66	76	1	0.68	0.25	0.68	13.85	187	45.54	116	93	56	0	0	1	1		
VALPARAISO/EGLIN	79	62	86	52	70	1	0.05	-0.58	0.05	3.69	40	51.77	96	91	55	0	0	1	0		
WEST PALM BEACH	85	74	88	68	79	1	0.58	-0.92	0.35	7.50	59	53.05	104	83	58	0	0	4	2		
GA ATHENS	69	57	80	52	63	0	1.17	0.43	1.06	8.07	154	38.83	96	95	65	0	0	3	1		
ATLANTA	68	55	80	49	61	-1	0.09	-0.58	0.07	4.92	95	38.28	93	93	65	0	0	2	0		
AUGUSTA	73	58	85	54	65	1	2.44	1.79	1.10	8.32	177	37.39	99	96	72	0	0	4	2		
COLUMBUS	75	60	88	55	67	1	0.28	-0.19	0.24	2.94	66	37.52	90	86	58	0	0	2	0		
MACON	73	58	85	55	65	0	0.38	-0.10	0.31	3.92	97	27.50	75	94	67	0	0	4	0		
SAVANNAH	78	61	85	56	68	1	0.90	0.37	0.48	6.28	105	42.14	98	99	69	0	0	3	0		
HI HILO	86	68	87	65	77	1	0.76	-1.33	0.20	15.80	116	109.33	111	91	59	0	0	5	0		
HONOLULU	88	73	89	72	80	1	0.02	-0.50	0.02	3.15	161	18.59	131	86	54	0	0	1	0		
KAHULUI	89	71	93	68	80	2	-	-	-	-	-	-	-	86	52	3	0	-	-		
LIHUE	83	74	84	71	78	1	-	-	-	-	-	-	-	86	69	0	0	-	-		
ID BOISE	67	40	76	34	54	2	0.00	-0.16	0.00	0.84	71	9.35	105	64	30	0	0	0	0		
LEWISTON	66	44	74	39	55	2	0.00	-0.19	0.00	1.63	123	12.70	131	74	40	0	0	0	0		
POCATELLO	63	30	72	27	47	-2	0.00	-0.19	0.00	2.47	184	11.66	124	83	31	0	6	0	0		
IL CHICAGO/O'HARE	61	39	82	31	50	-3	0.53	0.00	0.51	2.52	48	26.83	91	87	52	0	2	3	1		
MOLINE	62	40	73	31	51	-3	0.34	-0.32	0.24	4.20	72	30.54	92	94	48	0	2	3	0		
PEORIA	61	42	80	35	52	-2	0.75	0.16	0.67	4.10	75	26.44	88	88	48	0	0	2	1		
ROCKFORD	60	38	79	30	49	-3	0.52	-0.13	0.43	2.57	46	24.34	80	87	48	0	4	3	0		
SPRINGFIELD	63	40	81	31	52	-4	0.67	0.09	0.60	4.42	90	22.94	79	93	47	0	1	2	1		
IN EVANSVILLE	67	45	88	35	56	-1	0.88	0.25	0.85	2.28	50	40.31	117	91	42	0	0	2	1		
FORT WAYNE	62	39	82	34	50	-3	0.42	-0.13	0.42	5.68	138	36.87	128	93	49	0	0	1	0		
INDIANAPOLIS	63	42	83	34	52	-3	0.62	0.04	0.62	2.49	57	29.20	91	93	53	0	0	1	1		
SOUTH BEND	61	41	80	32	51	-2	0.35	-0.34	0.35	3.50	64	27.35	87	84	49	0	1	1	0		
IA BURLINGTON	-	-	-	-	-	-	0.55	-0.10	-	2.67	45	27.01	88	-	-	0	0	0	0		
CEDAR RAPIDS	-	-	-	-	-	-	1.86	1.30	-	4.41	82	23.02	79	-	-	0	1	1	0		
DES MOINES	62	40	72	32	51	-3	1.97	1.38	1.97	5.23	101	27.65	95	89	46	0	1	1	1		
DUBUQUE	59	39	70	32	49	-2	0.61	0.01	0.33	4.86	76	27.43	84	89	48	0	1	2	0		
SIoux CITY	64	37	72	30	51	-2	0.92	0.48	0.59	3.57	86	17.84	77	91	49	0	2	3	1		
WATERLOO	60	38	71	30	49	-2	2.36	1.78	2.33	7.72	151	27.89	94	92	48	0	2	2	1		
KS CONCORDIA	67	43	75	38	55	-2	0.51	0.05	0.51	4.54	106	21.41	82	84	43	0	0	1	1		
DODGE CITY	69	40	77	35	55	-4	0.38	0.07	0.35	2.78	102	22.57	116	91	31	0	0	2	0		
GOODLAND	67	36	80	32	52	-1	1.09	0.89	1.09	1.98	92	16.15	97	84	39	0	1	1	1		
TOPEKA	67	43	76	38	55	-2	1.83	1.13	1.83	4.96	87	25.25	82	89	45	0	0	1	1		

Based on 1961-90 normals

Weather Data for the Week Ending October 18, 1997

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	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
KY WICHITA	87	45	73	41	56	-3	1.52	1.02	1.52	6.33	129	32.52	126	89	47	0	0	1	1
KY JACKSON	88	46	82	37	56	-2	0.55	-0.15	0.53	2.96	54	41.14	104	87	49	0	0	2	1
KY LEXINGTON	88	43	83	36	55	-2	0.54	-0.02	0.46	2.94	63	50.60	140	87	45	0	0	2	0
KY LOUISVILLE	88	46	87	41	57	-1	0.65	0.06	0.65	1.94	41	49.33	138	88	45	0	0	1	1
KY PADUCAH	88	44	85	36	56	-3	0.99	0.33	0.99	3.45	64	44.02	113	93	42	0	0	1	1
LA BATON ROUGE	78	52	89	43	65	-4	0.87	0.10	0.87	2.06	30	52.80	106	84	35	0	0	1	1
LA LAKE CHARLES	78	55	87	50	66	-4	1.04	0.17	0.84	8.66	107	54.11	123	82	47	0	0	2	1
LA NEW ORLEANS	78	60	90	54	69	0	1.03	0.38	0.98	1.89	26	40.72	81	78	40	1	0	2	1
LA SHREVEPORT	75	52	86	44	63	-3	1.96	1.13	1.74	4.70	91	54.45	152	89	43	0	0	2	1
ME CARIBOU	54	38	63	34	46	3	0.00	-0.69	0.00	2.91	56	29.18	102	85	53	0	0	0	0
ME PORTLAND	59	41	65	30	50	1	0.00	-0.86	0.00	3.31	64	28.89	88	91	58	0	2	0	0
MD BALTIMORE	68	50	83	42	59	2	1.63	0.97	0.85	3.11	61	28.53	87	89	54	0	0	4	1
MA BOSTON	60	47	65	40	54	-2	0.02	-0.71	0.02	1.53	31	22.63	71	85	62	0	0	1	0
MA WORCESTER	58	43	68	34	51	0	0.18	-0.79	0.08	2.49	38	27.35	73	82	54	0	0	3	0
MI ALPENA	58	37	75	27	48	0	0.23	-0.23	0.22	3.66	84	26.02	110	90	53	0	2	2	0
MI GRAND RAPIDS	58	39	78	31	49	-1	0.51	-0.10	0.50	5.83	98	26.10	91	95	55	0	1	2	1
MI HOUGHTON LAKE	57	36	73	25	47	-1	0.13	-0.35	0.12	4.47	94	23.52	101	91	48	0	3	2	0
MI LANSING	59	34	76	24	46	-3	0.37	-0.08	0.37	4.07	84	24.00	97	94	50	0	4	1	0
MI MARQUETTE	-	-	-	-	-	-	0.68	-0.13	-	2.49	40	25.76	91	-	-	0	0	0	0
MI MUSKEGON	60	41	79	33	50	0	0.28	-0.34	0.28	3.78	68	22.14	88	86	52	0	0	1	0
MN DULUTH	57	35	66	27	46	2	0.88	0.32	0.65	3.44	63	21.95	84	92	56	0	5	3	1
MN INTL FALLS	56	34	68	21	45	2	0.68	0.23	0.39	5.67	128	17.10	79	91	58	0	4	3	0
MN MINNEAPOLIS	62	41	72	33	51	2	1.52	1.02	1.43	4.85	119	33.07	133	93	53	0	0	2	1
MN ROCHESTER	59	38	68	29	49	0	0.96	0.43	0.89	3.49	71	27.82	107	89	50	0	3	2	1
MN ST. CLOUD	62	38	72	29	50	4	0.73	0.22	0.68	2.70	59	23.07	94	90	49	0	4	2	1
MS JACKSON	75	50	89	42	63	-2	1.82	1.11	1.82	4.51	84	46.94	109	90	39	0	0	1	1
MS MERIDIAN	75	47	87	40	61	-3	1.15	0.48	1.11	3.00	57	44.96	100	94	41	0	0	2	1
MS TUPELO	71	46	86	39	58	-4	1.27	0.52	1.27	3.00	54	54.31	125	91	44	0	0	1	1
MO COLUMBIA	63	41	74	36	52	-5	1.14	0.41	1.05	4.15	72	30.78	95	87	45	0	0	3	1
MO KANSAS CITY	65	43	73	37	54	-3	0.00	-0.75	0.00	3.68	53	26.11	79	88	48	0	0	0	0
MO SAINT LOUIS	65	46	80	36	55	-4	0.51	-0.08	0.46	3.28	60	25.57	85	86	46	0	0	2	0
MO SPRINGFIELD	63	41	71	36	52	-6	1.75	0.95	1.58	5.90	87	32.33	93	95	50	0	0	3	1
MT BILLINGS	63	39	78	30	51	1	0.00	-0.28	0.00	1.70	82	14.02	107	74	34	0	2	0	0
MT BUTTE	59	28	73	25	43	2	0.00	-0.15	0.00	2.37	138	19.40	178	95	36	0	7	0	0
MT GLASGOW	58	33	78	21	46	-1	0.08	-0.06	0.05	1.30	93	11.45	113	88	40	0	4	2	0
MT GREAT FALLS	60	35	78	20	48	0	0.20	0.03	0.17	1.14	86	13.56	101	75	43	0	2	2	0
MT KALISPELL	58	33	64	27	45	2	0.29	0.10	0.24	2.24	127	16.28	124	93	52	0	3	2	0
MT MILES CITY	61	36	81	28	48	0	0.02	-0.19	0.02	1.20	65	10.17	81	79	35	0	3	1	0
MT MISSOULA	62	33	70	29	47	3	0.00	-0.17	0.00	1.12	72	13.33	119	85	37	0	4	0	0
NE GRAND ISLAND	65	40	72	34	53	0	1.63	1.33	1.63	7.45	199	26.35	118	89	49	0	0	1	1
NE LINCOLN	67	38	72	33	53	-2	0.47	-0.01	0.46	2.35	48	18.57	74	88	46	0	0	2	0
NE NORFOLK	65	38	71	28	52	-1	1.88	1.51	1.85	4.65	134	19.16	84	89	45	0	2	2	1
NE NORTH PLATTE	66	36	78	30	51	1	1.75	1.53	1.75	3.67	165	16.51	93	89	43	0	2	1	1
NE OMAHA	65	41	72	33	53	-1	1.41	0.89	1.33	6.53	125	24.48	92	93	51	0	0	2	1
NE SCOTTSBLUFF	67	35	77	31	51	1	0.07	-0.12	0.07	1.18	75	18.33	133	78	25	0	2	1	0
NE VALENTINE	65	38	77	30	51	1	1.97	1.77	1.96	4.43	210	21.31	128	85	39	0	2	2	1
NV ELY	65	25	75	18	45	-2	0.00	-0.20	0.00	1.73	109	8.09	95	69	17	0	7	0	0
NV LAS VEGAS	79	54	85	50	67	-2	0.00	-0.05	0.00	2.06	542	3.50	110	38	14	0	0	0	0
NV RENO	71	29	79	24	50	-1	0.00	-0.08	0.00	0.72	133	6.32	116	87	21	0	7	0	0
NV WINNEMUCCA	70	25	78	21	48	-2	0.00	-0.14	0.00	0.51	73	6.87	112	74	19	0	7	0	0
NH CONCORD	61	35	71	25	48	0	0.10	-0.62	0.08	2.34	51	25.58	91	92	49	0	3	2	0
NJ NEWARK	65	50	71	43	57	-1	0.45	-0.21	0.40	2.88	50	32.07	91	83	55	0	0	3	0
NM ALBUQUERQUE	67	42	75	36	54	-3	0.03	-0.18	0.03	2.70	174	10.58	140	46	17	0	0	1	0
NY ALBANY	59	38	67	30	49	-2	0.35	-0.28	0.34	4.85	106	25.42	88	98	60	0	2	2	0
NY BINGHAMTON	60	38	71	30	49	0	0.10	-0.53	0.07	3.18	84	23.00	78	91	53	0	2	2	0
NY BUFFALO	62	41	79	32	51	0	0.03	-0.66	0.03	5.54	105	32.06	108	89	48	0	1	1	0
NY ROCHESTER	62	38	80	29	49	-2	0.00	-0.55	0.00	5.78	132	26.89	106	94	50	0	2	0	0
NY SYRACUSE	63	37	77	29	50	-1	0.00	-0.72	0.00	3.54	82	23.48	77	90	49	0	2	0	0
NC ASHEVILLE	65	49	72	41	57	1	0.30	-0.50	0.20	5.21	87	41.22	106	93	62	0	0	3	0
NC CHARLOTTE	69	56	81	52	63	1	1.00	0.24	0.80	4.39	80	38.03	109	86	60	0	0	2	1
NC GREENSBORO	66	51	80	47	58	-1	0.67	-0.13	0.39	4.59	82	32.96	94	94	63	0	0	4	0
NC HATTERAS	70	63	74	60	67	1	0.35	-0.78	-	8.50	101	40.35	90	89	67	0	0	2	0
NC RALEIGH	67	52	83	47	59	-1	0.93	0.30	0.43	4.02	83	31.71	93	97	65	0	0	5	0
NC WILMINGTON	72	58	82	54	65	-1	0.28	-0.30	0.25	9.22	137	37.40	80	97	68	0	0	3	0
ND BISMARCK	60	35	76	28	48	1	0.24	0.04	0.23	3.79	182	14.27	101	88	51	0	2	2	0
ND DICKINSON	60	35	81	23	48	1	0.02	-0.20	0.02	0.98	42	15.77	106	82	44	0	2	1	0
ND FARGO	58	37	73	29	48	1	1.38	0.99	0.82	4.93	161	25.19	144	89	52	0	1	3	2
ND GRAND FORKS	58	37	72	30	47	2	-	-	-	-	-	-	-	96	63	0	2	-	-
ND JAMESTOWN	58	38	73	31	47	1	0.39	0.17	0.38	2.18	90	19.39	124	90	52	0	3	2	0
ND WILLISTON	59	33	79	25	46	0	0.00	-0.18	0.00	0.70	38	11.30	91	82	44	0	3	0	0
OH AKRON-CANTON	62	40	79	35	51	-2	0.12	-0.40	0.12	3.01	64	27.39	92	91	48	0	0	1	0
OH CINCINNATI	66	43	85	36	54	-1	0.49	-0.14	0.49	1.06	24	33.21	99	85	45	0	0	1	0
OH CLEVELAND	62	41	81	35	51	-2	0.22	-0.33	0.16	4.55	92	29.03	99	86	48	0	0	2	0
OH COLUMBUS	66	44	84	37	55	1	0.15	-0.32	0.12	1.80	38	31.46	101	82	41	0	0	2	0
OH DAYTON	63	40	82	32	52	-3	0.38	-0.17	0.38	2.32	59	26.07	98	87	47	0	1	1	0
OH MANSFIELD	61	39	80	34	50	-3	0.21	-0.29	0.13	3.50	74	34.23	107	90	47	0	0	2	0

Based on 1961-90 normals

Weather Data for the Week Ending October 18, 1997

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	82 AND BELOW	01 INCH OR MORE	50 INCH OR MORE
OK TOLEDO	82	39	79	33	50	-1	0.40	-0.07	0.40	5.29	130	33.96	129	93	47	0	0	1	0
OK YOUNGSTOWN	83	38	79	31	50	-1	0.08	-0.50	0.08	4.24	86	26.71	88	88	48	0	1	1	0
OK OKLAHOMA CITY	70	46	77	43	58	-4	0.92	0.18	0.92	3.66	62	23.78	83	92	50	0	0	1	1
OR TULSA	71	47	76	42	59	-4	1.18	0.35	1.18	4.70	68	35.25	104	89	44	0	0	1	1
OR ASTORIA	62	48	70	43	55	2	0.21	-1.03	0.11	14.39	252	65.28	152	98	71	0	0	5	0
OR BURNS	67	25	74	21	46	1	0.03	-0.13	0.03	0.78	81	7.48	104	83	25	0	7	1	0
OR EUGENE	62	42	66	39	52	-3	0.11	-0.59	0.06	6.03	191	30.58	100	91	68	0	0	5	0
OR MEDFORD	72	41	79	38	67	2	0.00	-0.31	0.00	1.92	124	13.37	118	95	41	0	0	0	0
OR PENDLETON	67	41	72	38	54	1	0.00	-0.19	0.00	1.43	140	8.20	97	83	40	0	0	0	0
OR PORTLAND	64	49	72	45	58	2	0.07	-0.50	0.02	5.58	183	34.06	145	96	64	0	0	4	0
PA SALEM	63	45	69	39	54	1	0.13	-0.50	0.06	8.25	279	35.78	148	97	69	0	0	5	0
PA ALLENTOWN	64	43	71	34	54	0	0.70	0.07	0.28	4.31	77	32.16	92	91	53	0	0	4	0
PA ERIE	62	44	81	35	53	-1	0.16	-0.68	0.16	4.09	62	32.23	100	89	53	0	0	1	0
PA MIDDLETOWN	68	46	77	41	57	2	0.23	-0.41	0.13	2.88	55	25.20	78	90	48	0	0	4	0
PA PHILADELPHIA	67	51	78	48	59	2	0.38	-0.20	0.23	1.97	40	24.49	73	89	49	0	0	4	0
PA PITTSBURGH	66	41	80	34	53	1	0.00	-0.52	0.00	3.04	70	26.46	88	86	42	0	0	0	0
PA SCRANTON	62	39	71	31	50	-2	0.26	-0.36	0.20	2.33	47	21.27	72	94	55	0	2	2	0
PA WILLIAMSPORT	64	40	71	32	52	0	0.08	-0.66	0.04	3.35	63	22.62	69	96	52	0	1	2	0
RI PROVIDENCE	63	44	67	38	53	0	0.00	-0.82	0.00	1.28	23	29.71	85	87	51	0	0	0	0
SC BEAUFORT	74	62	83	57	68	0	0.10	-0.47	0.08	3.47	52	34.04	76	99	73	0	0	2	0
SC CHARLESTON	73	61	83	56	67	0	1.26	0.61	0.70	10.83	185	51.28	114	94	73	0	0	3	2
SC COLUMBIA	72	57	85	54	65	1	1.70	1.01	1.18	6.25	114	35.73	85	93	67	0	0	3	1
SD GREENVILLE	67	56	77	51	61	1	0.10	-0.81	0.09	3.37	53	37.37	89	91	67	0	0	2	0
SD ABERDEEN	60	37	69	30	48	0	1.91	1.85	1.85	4.18	161	18.74	109	92	57	0	3	2	1
SD HURON	63	38	74	30	51	2	1.74	1.40	1.68	6.43	243	24.28	132	88	48	0	2	2	1
SD RAPID CITY	65	36	83	24	50	1	0.03	-0.22	0.02	1.19	62	20.39	134	77	33	0	2	2	0
SD SIOUX FALLS	61	37	70	31	49	0	1.12	0.71	0.98	3.32	79	19.65	92	92	53	0	3	3	1
TN BRISTOL	67	44	80	34	56	-1	0.10	-0.48	0.06	3.23	67	36.19	109	98	54	0	0	2	0
TN CHATTANOOGA	69	53	81	44	61	0	0.56	-0.13	0.53	6.12	102	46.34	109	89	53	0	0	2	1
TN KNOXVILLE	69	51	85	43	60	1	0.43	-0.20	0.23	3.76	81	44.37	118	89	53	0	0	4	0
TN MEMPHIS	69	48	84	42	59	-5	1.63	0.98	1.63	8.87	167	62.65	157	95	42	0	0	1	1
TX NASHVILLE	69	48	84	42	59	-2	1.29	0.73	1.21	7.21	146	44.43	119	88	46	0	0	2	1
TX ABILENE	76	47	84	40	61	-5	0.08	-0.52	0.08	0.71	15	21.06	100	77	22	0	0	1	0
TX AMARILLO	71	40	84	36	56	-3	0.02	-0.29	0.02	1.93	68	21.50	120	83	27	0	0	1	0
TX AUSTIN	77	56	81	52	67	-5	0.88	0.09	0.86	7.02	130	40.03	152	82	38	0	0	2	1
TX BEAUMONT	76	56	86	49	66	-4	0.00	-0.94	0.00	5.70	64	41.29	90	84	50	0	0	0	0
TX BROWNSVILLE	78	60	86	55	69	-7	4.80	3.97	4.60	16.75	210	33.83	147	96	53	0	0	1	1
TX CORPUS CHRISTI	78	59	85	53	68	-8	2.30	1.61	2.16	13.71	181	33.99	129	90	48	0	0	3	1
TX DEL RIO	78	52	84	45	65	-6	0.62	0.10	0.62	3.77	88	21.71	136	88	34	0	0	1	1
TX EL PASO	73	42	79	38	57	-7	0.00	-0.17	0.00	1.58	70	7.26	95	42	18	0	0	0	0
TX FORT WORTH	75	51	78	48	63	-4	1.93	1.12	1.93	5.88	103	35.02	124	90	41	0	0	1	1
TX GALVESTON	75	61	84	57	68	-5	0.68	0.07	0.68	13.85	178	49.07	143	81	54	0	0	2	1
TX HOUSTON	76	54	86	48	65	-5	2.14	1.18	2.11	11.44	153	50.39	136	93	50	0	0	2	1
TX LUBBOCK	72	40	85	37	56	-8	0.09	-0.34	0.09	2.50	65	19.73	118	81	23	0	0	1	0
TX MIDLAND	75	43	84	39	59	-5	0.06	-0.35	0.06	2.03	54	14.90	113	79	18	0	0	1	0
TX SAN ANGELO	77	43	84	36	60	-7	0.00	-0.56	0.00	2.35	47	21.20	119	88	22	0	0	0	0
TX SAN ANTONIO	78	53	82	48	66	-5	1.22	0.50	1.18	5.93	112	28.60	112	85	36	0	0	2	1
TX VICTORIA	77	55	85	49	68	-8	2.97	2.19	2.96	17.56	224	62.67	197	93	46	0	0	2	1
TX WACO	76	49	80	43	62	-7	0.31	-0.46	0.30	2.57	48	31.00	119	95	42	0	0	2	0
TX WICHITA FALLS	72	47	78	43	60	-5	0.20	-0.43	0.20	2.18	38	18.02	72	86	39	0	0	1	0
UT SALT LAKE CITY	62	36	72	31	49	-4	0.05	-0.28	0.05	2.70	127	14.75	114	88	40	0	1	1	0
VT BURLINGTON	59	37	70	28	48	0	0.10	-0.53	0.07	3.61	73	24.17	87	92	53	0	3	2	0
VA LYNCHBURG	65	48	77	41	56	-1	0.01	-0.84	0.01	3.39	63	26.72	81	97	63	0	0	1	0
VA NORFOLK	71	58	83	55	65	3	1.68	0.97	1.19	3.65	63	27.19	73	97	77	0	0	4	1
VA RICHMOND	66	51	84	49	58	0	1.71	0.91	0.77	2.56	48	24.93	71	98	67	0	0	5	2
VA ROANOKE	65	48	77	39	56	-1	0.22	-0.66	0.07	3.66	64	29.42	88	89	52	0	0	5	0
VA WASH/DULLES	65	45	77	39	55	0	1.41	0.69	0.90	4.46	86	27.01	83	98	59	0	0	5	1
WA HANFORD	70	42	76	38	56	-	0.00	0.00	0.00	0.80	186	4.63	114	80	38	0	0	0	0
WA OLYMPIA	61	43	69	37	52	2	0.27	-0.66	0.17	7.39	170	47.66	149	96	67	0	0	6	0
WA QUILLAYUTE	60	47	68	36	54	3	1.26	-1.09	0.39	20.78	201	99.48	142	97	66	0	0	6	0
WA SEATTLE-TACOMA	59	46	67	42	54	1	0.41	-0.29	0.26	6.70	193	35.49	149	97	70	0	0	3	0
WA SPOKANE	61	38	69	26	50	2	0.03	-0.17	0.02	1.73	145	13.57	119	93	46	0	1	2	0
WA YAKIMA	66	36	72	28	51	1	0.00	-0.10	0.00	1.08	177	4.68	88	91	40	0	2	0	0
WV BECKLEY	63	41	78	29	52	-1	0.06	-0.59	0.06	1.56	31	31.79	95	92	55	0	1	1	0
WV CHARLESTON	68	42	85	33	55	-1	0.01	-0.82	0.01	2.00	41	35.46	103	99	53	0	0	1	0
WV ELKINS	65	36	79	29	50	0	0.08	-0.61	0.08	4.02	72	34.04	93	99	51	0	3	2	0
WV HUNTINGTON	68	44	87	36	56	0	0.37	-0.26	0.35	1.89	37	32.17	96	92	48	0	0	2	0
WI EAU CLAIRE	61	38	69	30	50	2	0.82	0.27	0.73	4.85	89	28.28	100	92	46	0	3	2	1
WI GREEN BAY	59	38	72	30	48	-1	0.63	0.13	0.35	3.50	72	26.26	108	91	57	0	1	2	0
WI MADISON	59	37	75	27	48	-1	0.46	-0.02	0.28	1.96	42	25.51	98	91	50	0	3	2	0
WI MILWAUKEE	58	41	73	35	50	-1	0.31	-0.23	0.31	3.40	70	29.81	110	88	57	0	0	1	0
WY CASPER	64	33	77	22	49	2	0.00	-0.22	0.00	1.52	101	10.66	100	88	22	0	3	0	0
WY CHEYENNE	61	34	75	25	47	0	0.04	-0.13	0.02	2.19	125	18.13	138	87	26	0	3	2	0
WY LANDER	64	33	71	20	48	1	0.01	-0.25	0.01	1.47	83	11.37	101	82	22	0	3	1	0
WY SHERIDAN	63	32	77	25	48	0	0.02	-0.26	0.02	1.72	82	13.86	111	86	40	0	5	1	0

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 13 - 19, 1997

HIGHLIGHTS

Ideal weather conditions in the central and eastern Corn Belt allowed fall harvest activity to surge ahead of normal. The largest percentage increase for a week in row-crop harvest activity was recorded in Illinois and Indiana. Some storage shortages were encountered as grain bins filled rapidly, and some elevators only accepted low-moisture corn. Many producers in the Corn Belt concentrated on completing the soybean harvest and planted winter

wheat, while waiting for a frost to reduce corn moisture levels before completing the corn harvest. Heavy rains in the central Great Plains slowed row-crop harvest activity, but brought needed moisture to seeded and emerged winter wheat. Favorable conditions along the Pacific Coast allowed fieldwork and seedbed preparation to advance. Dry weather in Florida caused citrus caretakers and vegetable producers to irrigate.

Winter wheat in the 19 major producing States was 83 percent (%) planted, 1 percentage point ahead of the 5-year average. The Great Plains and Midwestern States received moisture early in the week that helped germination of wheat already seeded and aided wheat emergence. Some Kansas wheat producers were waiting for fields to dry before seeding their last wheat. Dry weather in the eastern Corn Belt allowed planting progress to advance following the rapid row-crop harvest, with Illinois, Indiana, and Ohio over 10 points ahead of the 5-year average. Winter wheat emerged for the major producing States was 63% complete, up 16 points from last week and 5 points ahead of the average. Wheat condition in the 19 major producing States was rated as 70% good to excellent.

Corn in the 17 major producing States was 48% harvested, up 21 points from the previous week and 13 points ahead of the average. Eastern Corn Belt farmers took advantage of ideal fall conditions by pushing the corn harvest significantly ahead of schedule. The first killing frost occurred in the central Corn Belt, and producers hoped it would accelerate the drying of corn for harvest. Producers in the western Corn Belt reported that high winds and corn borer damage caused lodging, stalk breakage, and ear drop. Corn moisture content in Indiana was over 20%, slightly wetter than the usual moisture content. Corn mature at 96% complete was up 5 points from last week and 2 points ahead of normal.

Cotton condition was 58 percent good to excellent in the 14 major producing States, down slightly from last week. Cotton bolls were opening on 93% of the cotton acreage, up 5 points from the previous week and 4 points ahead of the average for the Nation. Cotton acreage harvested was estimated at 40%, up 13 points from last week and 4 points behind the average. Cotton condition declined slightly in Texas due to heavy rains that lowered quality and caused lint loss on the later crop along the Upper Coast. Harvest activity resumed in the Texas

Blacklands and Plains as fields dried. Cotton defoliation made good progress in the San Joaquin and Sacramento Valleys, while harvest in the desert neared completion. California's harvested cotton fields were shredded and disked for pink bollworm control. Louisiana cotton harvested at 92% complete was 15 points ahead of the average due to favorable weather.

Sorghum acreage was mature at 94% complete, up 5 points from last week and 5 points ahead of the average. Persistent dry weather allowed the crop to mature quickly in New Mexico and Oklahoma. Sorghum harvest at 58% was up 12 points from the previous week and 3 points ahead of the average. Harvest activity advanced in Illinois from last week by 29 points. Nebraska sorghum harvest, at 54% complete, was 23 points ahead of the average.

Rice harvest reached 95% complete, 3 points ahead of the average and 1 point ahead of last year. Rice harvest in California, at 96% complete, was up 6 points from last week and 18 points ahead of normal. In Texas, rice harvest activity was slowed by wet conditions along the Upper Coast and was 3 points behind the average.

Soybean acreage harvested, at 76% complete, was up 12 points from the previous week and 11 points ahead of the average. Ideal harvesting weather in parts of the Corn Belt spurred harvest activity and pushed soybean development beyond the frost damage stage. The percentage of soybean acreage harvested was at least 10 points ahead of normal in the Corn Belt. Missouri's soybean harvest is the most advanced since 1987. The soybean harvest slowed in Nebraska, where producers waited for a hard freeze to eliminate harvesting problems from green stems. Soybeans harvested in Minnesota, at 97% complete, were 20 points ahead of the average. Nationwide, soybean leaves were dropping on 96% of the acreage, 2 points ahead of last year.

Crop Progress and Condition

Week Ending October 19, 1997

Soybeans Percent Dropping Leaves

	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AL	91	85	83	75
AR	72	56	75	67
GA	89	84	85	85
IL	99	98	96	99
IN	100	100	100	100
IA	100	100	99	100
KS	98	97	95	97
KY	87	82	85	88
LA	98	95	97	91
MI	100	99	100	100
MN	99	99	99	99
MS	92	82	91	86
MO	100	94	91	94
NE	100	100	100	100
NC	68	47	67	68
OH	100	98	94	99
SC	36	28	40	39
SD	100	100	100	100
TN	89	75	90	89
ALL	98	93	94	95

These 19 States produced 94% of the 1996 soybean crop.

Soybeans Percent Harvested

	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AL	37	21	29	23
AR	34	24	36	33
GA	16	12	10	10
IL	89	81	56	78
IN	87	72	50	75
IA	94	88	80	81
KS	59	54	57	57
KY	32	18	21	27
LA	86	72	81	62
MI	60	27	36	46
MN	97	91	93	77
MS	69	55	64	52
MO	60	45	43	47
NE	79	63	87	82
NC	12	9	8	8
OH	84	50	42	69
SC	6	3	5	3
SD	82	73	79	65
TN	25	13	17	20
ALL	78	64	59	65

These 19 States produced 94% of the 1996 soybean crop.

Winter Wheat Percent Planted

	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AR	30	16	31	28
CA	3	1	9	5
CO	99	97	97	97
GA	3	3	6	8
ID	86	75	89	83
IL	85	55	53	66
IN	81	51	55	69
KS	92	90	92	93
MI	86	64	76	80
MO	61	44	48	48
MT	96	90	94	87
NE	99	97	99	100
NC	18	15	24	25
OH	88	50	60	75
OK	83	78	88	86
OR	81	72	79	71
SD	99	98	96	99
TX	73	67	90	76
WA	99	94	97	94
ALL	83	76	83	82

These 19 States produced 92% of the 1996 winter wheat crop.

Winter Wheat Percent Emerged

	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AR	11	3	10	12
CA	0	0	1	1
CO	89	85	86	87
GA	1	1	3	4
ID	54	45	50	47
IL	45	9	20	27
IN	41	17	23	30
KS	77	52	70	69
MI	64	38	36	51
MO	33	17	22	24
MT	74	66	58	55
NE	95	87	88	94
NC	0	0	6	7
OH	37	9	24	34
OK	53	38	54	52
OR	53	33	41	37
SD	95	85	80	89
TX	52	42	77	57
WA	90	80	88	76
ALL	63	47	60	58

These 19 States produced 92% of the 1996 winter wheat crop.

Corn Percent Mature

	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
CO	99	94	98	92
GA	100	100	100	100
IL	98	93	93	97
IN	98	94	92	98
IA	100	99	97	99
KS	100	99	100	100
KY	100	94	100	99
MI	79	55	92	82
MN	99	97	99	88
MO	100	100	100	99
NE	99	94	100	99
NC	100	100	100	100
OH	76	64	77	87
PA	77	62	80	77
SD	99	96	98	90
TX	98	97	100	100
WI	88	75	79	80
ALL	96	91	95	94

These 17 States produced 90% of the 1996 corn crop.

Corn Percent Harvested

	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
CO	53	30	33	28
GA	97	97	95	95
IL	59	28	33	42
IN	25	15	22	33
IA	49	22	16	27
KS	78	64	68	68
KY	75	60	73	72
MI	7	5	13	17
MN	59	22	24	24
MO	69	59	61	54
NE	45	20	21	28
NC	87	82	86	86
OH	13	4	14	22
PA	25	17	29	26
SD	32	20	17	20
TX	93	90	94	95
WI	13	6	11	19
ALL	48	27	29	35

These 17 States produced 90% of the 1996 corn crop.

Crop Progress and Condition

Week Ending October 19, 1997

Cotton Percent Bolls Opening				
	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AL	97	85	94	89
AZ	100	100	100	100
AR	95	94	99	96
CA	100	100	100	100
GA	89	83	91	88
LA	100	99	100	100
MS	100	91	100	100
MO	100	100	100	96
NM	100	97	99	98
NC	93	88	100	99
OK	73	68	70	70
SC	91	89	96	94
TN	100	96	100	99
TX	90	83	85	78
ALL	93	88	92	89

These 14 States produced 99% of the 1996 cotton crop.

Sorghum Percent Mature				
	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CO	74	45	72	77
IL	95	90	90	90
KS	96	91	92	87
LA	100	100	100	100
MS	100	98	100	100
MO	95	93	92	92
NE	96	95	92	95
NM	80	45	36	62
OK	86	80	74	67
SD	99	95	97	92
TX	93	90	97	94
ALL	94	89	92	89

These 12 States produced 99% of the 1996 sorghum crop.

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	4	16	43	35	2
AZ	0	3	21	52	24
AR	0	7	32	44	17
CA	0	0	10	60	30
GA	4	15	38	36	7
LA	3	11	43	37	6
MS	0	6	24	44	26
MO	0	20	36	43	1
NM	4	6	20	55	15
NC	1	9	35	52	3
OK	0	1	19	65	15
SC	1	6	29	54	10
TN	1	5	22	62	10
TX	4	12	32	42	10
ALL	2	10	30	46	12
Prev Wk	2	7	32	47	12
Prev Yr	3	10	28	44	15

Cotton Percent Harvested				
	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AL	37	20	51	45
AZ	45	38	34	48
AR	41	30	65	56
CA	40	25	40	34
GA	35	21	43	36
LA	92	57	81	76
MS	61	36	76	63
MO	43	39	61	57
NM	10	6	20	14
NC	18	8	33	32
OK	12	5	9	19
SC	22	14	52	36
TN	42	27	71	52
TX	30	25	24	35
ALL	40	27	45	44

These 14 States produced 99% of the 1996 cotton crop.

Sorghum Percent Harvested				
	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AR	95	89	96	95
CO	7	3	35	27
IL	52	23	17	36
KS	52	35	42	43
LA	100	100	100	99
MS	97	95	97	98
MO	59	48	56	56
NE	54	35	14	31
NM	20	6	1	12
OK	35	22	20	23
SD	47	29	50	39
TX	70	66	71	81
ALL	58	46	49	55

These 12 States produced 99% of the 1996 sorghum crop.

Winter Wheat Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	5	22	58	15
CA	0	0	55	45	0
CO	1	5	26	54	14
GA	0	0	38	54	8
ID	0	0	2	86	12
IL	0	2	25	66	7
IN	2	2	42	48	6
KS	0	1	19	65	15
MI	0	2	27	58	13
MO	0	2	35	57	6
MT	4	13	49	30	4
NE	1	2	30	60	7
NC	0	1	16	70	13
OH	1	5	34	51	9
OK	0	1	27	68	4
OR	0	0	17	80	3
SD	0	1	10	53	36
TX	4	10	35	43	8
WA	0	0	23	72	5
ALL	1	3	26	60	10
Prev Wk	NA	NA	NA	NA	NA
Prev Yr	NA	NA	NA	NA	NA

Rice Percent Harvested				
	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AR	91	87	98	93
CA	96	90	73	78
LA	99	99	100	99
MS	97	92	100	94
TX	97	95	100	100
ALL	95	91	94	92

These 5 States produced 96% of the 1996 rice crop.

Peanuts Percent Harvested				
	Oct 19 1997	Prev Week	Prev Year	5-Yr Avg
AL	93	88	67	NA
FL	97	96	78	NA
GA	88	79	71	NA
NC	50	21	52	NA
OK	43	24	46	NA
SC	69	56	71	NA
TX	40	33	34	NA
VA	88	74	84	NA
ALL	73	63	61	NA

These 8 States produced 99% of the 1996 peanut crop.

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

National crop conditions for selected States are weighted based on 1996 planted acres.

State Agricultural Summaries

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

ALABAMA: Days suitable for fieldwork 5.6. Topsoil 19% very short, 32% short, 44% adequate, 5% surplus. Corn harvested 98%, 93% 1996, 92% avg. Wheat planted 19%, 21% 1996, 29% avg. Livestock 2% very poor, 3% poor, 38% fair, 56% good, 1% excellent. Conditions were favorable for harvest in most areas. Small grains, fall pasture plantings were delayed by short moisture supplies.

ARIZONA: Alfalfa harvest activity 3% light, 43% moderate 46% active, 8% not being harvested; 3% poor, 14% fair, 47% good, 36% excellent. Central area growers shipped carrots, green onions, cantaloupe, honeydews, watermelons. Western growers planted lettuce, cauliflower, broccoli, onions; harvested cantaloupe, honeydews.

ARKANSAS: Days suitable for fieldwork 5. Showers early in the week provided the only rainfall for State. Dry, cool weather prevailed throughout the rest of week. Soil moisture 1% very short, 19% short, 74% adequate, 6% surplus. Main farming: Harvesting rice, cotton, soybeans, planting wheat, winter pastures. Other farm activities: Weaning, selling calves, fertilizing cool season grasses, liming forage crops, harvesting hay. Alfalfa hay 13% poor, 32% fair, 54% good, 1% excellent. Other hay 2% very poor, 21% poor, 44% fair, 32% good, 1% excellent. Pasture feed 2% very poor, 20% poor, 44% fair, 32% good, 2% excellent.

CALIFORNIA: Field activities progressed normally under favorable conditions in most areas. Seedbed preparation for planting small grains, forage crops, new alfalfa continued. Wheat planting was underway in some locations. Seeded fields of oat hay, winter forage showed good growth, emergence. Cotton harvest was in full swing in the San Joaquin, Sacramento, and desert valleys. Harvested fields were shredded and disced for pink bollworm control. Rice harvest neared completion in most growing areas. Rice stubble was disced, baled, or burned where conditions permitted. Corn for grain, silage, dry beans, old crop sugar beets were harvested. New crop sugarbeet planting was ongoing in the San Joaquin, Imperial Valleys. Seeding of new alfalfa gained momentum in the northern San Joaquin Valley. Established alfalfa, sudan grass were cut for hay or green chopped. Harvest of grapes for juice, wine was almost complete. Some table grapes were still being packed. Vineyards were being prepared for winter. Stone fruit orchards were pruned, fertilized, cultivated and irrigated. Cooler weather enhanced the color of persimmons. Kiwi fruit harvest gained momentum; sizes were slightly larger than 1997. Walnut, pistachio harvests were nearly complete. Apple harvest continued. Varieties included Fuji, Granny Smith. Pomegranate harvesting continued. Navel orange picking increased as color, maturity improved. Satsuma mandarins, grapefruit, pomelo harvesting continued with good quality noted. Zutano variety avocados were nearing maturity. Lettuce, broccoli, cauliflower were harvested in the Salinas-Watsonville area. Lettuce was irrigated, thinned, weeded, and treated for insects in the San Joaquin Valley. Broccoli harvesting began in Fresno County. White flies continue to be a problem in the desert valley. Harvest of fresh market tomatoes in the San Joaquin Valley progressed normally.

Garlic was planted on the west side of Fresno County. Asparagus was sprayed for aphid control in the Merced-Atwater area. Pumpkin harvesting progressed. Honeydew, cantaloupe harvests were almost complete in the central San Joaquin Valley. Imperial Valley cantaloupe, honeydew melon harvest continued. Eighty percent of the potatoes in the Tulelake-Butte Valley were harvested. Other crops harvested were onions, radishes, vineseed, eggplant, squash, okra, green beans. Recent rainfall caused a slight improvement in some rangeland condition. Foothill pastures were starting to green in some areas. However, pasture, rangeland were still generally dry, fair to poor condition across the State. Supplemental feeding was necessary in most areas. Livestock good condition.

COLORADO: Days suitable for fieldwork 5.9. Topsoil 5% very short, 22% short, 70% adequate, 3% surplus. Subsoil 6% very short, 24% short, 65% adequate, 5% surplus. Producers saw a busy week with unseasonably warm weather. Freezing temperatures are becoming more common at night, many crop activities are winding down for the season. Summer potatoes 99% harvested, 99% 1996, 99% avg. Dry onion 98% harvested, 100% 1996, 94% avg. Fall potatoes 100% harvested, 99% 1996, 97% avg. Sugar beets 33% harvested, 54% 1996, 49% avg.; 3% very poor, 6% poor, 15% fair, 58% good, 18% excellent. Dry beans 99% cut, 100% 1996, 97% avg.; 90% threshed, 98% 1996, 96% avg. Alfalfa 99% 3rd cutting, 93% 1996, 89% avg.; 64% 4th cutting, 54% 1996, 49% avg.; 1% very poor, 4% heavy poor, 23% fair, 57% good, 15% excellent.

DELAWARE: Days suitable for fieldwork 4.0. Topsoil 9% very short, 41% short, 50% adequate. Subsoil 3% very short, 41% short, 56% adequate. Field corn 93% mature, 96% 1996, 99% avg.; 53% harvested for grain, 64% 1996, 70% avg. Soybeans 73% shedding leaves, 68% 1996, 77% avg.; 17% harvested, 14% 1996, 19% avg. Sorghum 12% harvested, 15% 1996, 17% avg. Barley 2% poor, 29% fair, 66% good, 3% excellent; 78% seeded, 48% 1996, 53% avg. Wheat 13% fair, 84% good, 3% excellent; 22% seeded, 9% 1996, 18% avg. Apples 97% harvested, 92% 1996, 88% avg. Hay 23% very short, 33% short, 44% adequate. Clover, other hays 95% 4th cutting, 69% 1996, 50% avg. Alfalfa 97% 4th cutting, 87% 1996, 89% avg.; 24% 5th cutting, 37% 1996, 30% avg. Pastures 6% very poor, 30% poor, 38% fair, 26% good. Activities: Planting of small grains, corn, soybean harvesting continued, 4th cuttings of hays drawing to a close.

FLORIDA: Topsoil mostly very short to short Panhandle, northern Peninsula. Central, southern Peninsula moisture mostly adequate, scattered areas short moisture. Sugarcane growth normal. Tobacco markets to close 16th. Cotton picking, soybean harvest active. Dry weather hurting last hay cutting. First sugarcane mill open, others open by November 1. Peanuts 97% harvested. Growers irrigating vegetables as windy weather dries out topsoil moisture, most growing areas. Vegetables being marketed include tomatoes, cucumbers, peppers, sweet corn, squash, eggplants, snap beans, radishes, okra, watermelons. Dry weather most areas, few showers lower east coast. Caretakers irrigating high sand hill

groves, a few flatwoods groves. Fresh fruit picking very active. Harvesting for processing started this week. Caretakers cutting cover crops, spraying with limited herbicide. Pasture feed 25% poor, 30% fair, 45% good. Cattle 5% poor, 40% fair, 50% good, 5% excellent. Cattlemen in Panhandle, central areas delayed planting small grains for winter pasture because too dry. Ponds, streams reported very low. Low temperatures slowed growth of permanent pastures. Some ranchers feeding hay already. Northern counties, light rain not enough to help dry pastures. West central area, pastures green, growth slowing seasonally from cooler temperatures. Cattle mostly fair to good condition.

GEORGIA: Days suitable for fieldwork 5.6. Soil 10% very short, 35% short, 53% adequate, 2% surplus. Hay 2% very poor, 15% poor, 50% fair, 32% good, 1% excellent. Peanuts 9% very poor, 18% poor, 42% fair, 26% good, 5% excellent; 94% dug, 86% 1996, 90% avg. Rye 47% planted, 46% 1996, 46% avg. Sorghum 4% very poor, 17% poor, 39% fair, 37% good, 3% excellent; 68% harvested for grain, 52% 1996, 68% avg. Soybeans 15% very poor, 24% poor, 35% fair, 24% good, 2% excellent. Other small grains 32% planted, 31% 1996, 31% avg. Apples 6% poor, 11% fair, 77% good, 6% excellent; 87% harvested, 94% 1996, 89% avg. Pecans 4% very poor, 23% poor, 40% fair, 29% good, 4% excellent; 10% harvested, 6% 1996, 7% avg. Good progress harvesting late crops despite rain, drizzle, cool, overcast conditions. No improvement in soil moisture. Need rain. Small grains helped some. More rain through weekend. Activities: Harvesting peanuts, cotton, soybeans, pecans, vegetables; defoliating cotton; baling hay; seeding small grains, overseeding pastures.

HAWAII: Weather fair for agriculture. Hot, humid conditions benefited banana orchards. Trade winds returned midweek bringing relief and associated showers. Thundershowers on the 14th interrupted coffee and macadamia nut harvesting in some Kona locations but back to normal by end of week.

IDAHO: Days suitable for fieldwork 6.4. Topsoil 3% surplus, 86% adequate, 11% short. Temperatures returned to normal after last week's cold snap. Potatoes harvested 84%, 93% 1996, 90% average. Alfalfa hay harvested (3rd cutting) 96%, 96% 1996, 95% avg. Apples harvested 72%, 75% 1996, 75% avg. Onions harvested 99%, 98% 1996, 97% avg. Sugar beets harvested 36%, 26% 1996, 42% avg. Corn harvested for silage 97%, 95% 1996, 91% avg. Corn harvested for grain 20%, 15% 1996, 26% avg. Irrigation water supply 47% excellent, 51% good, 1% fair; 1% poor. Activities: Harvesting, plowing, preparing seed beds, seeding winter grains, moving livestock to fall pasture.

ILLINOIS: Days suitable for fieldwork 6.0. Topsoil 5% very short, 40% short, 55% adequate. Light rain across the State 13th delayed fieldwork only slightly with harvest back in full swing by 15th. Most farmers switched to corn harvest last week, near ideal fall conditions allowed 31% corn crop to be brought in from the fields last week. Record corn harvest pace for this week since records began in 1975. First killing frost occurred across most of northern areas last week, with lighter frosts common in many areas of the State. Past few week's warm dry weather has greatly aided the maturing crops, and last week's frost will only help the corn crop to continue drying down. Most reporters continue to express concern regarding yield loss in corn due to corn borer. With the favorable dry weather, though, farmers have been able to harvest earlier avoiding some field loss, still harvest a relatively dry crop. State's winter wheat crop continues to be sown at a near-record pace, and aided by last week's rainfall, emergence is

at a record level. Other activities last week included fall tillage, dry fertilizer application, machinery maintenance, anhydrous ammonia application.

INDIANA: Days suitable for fieldwork 5.8. Topsoil 9% very short, 33% short, 57% adequate, 1% surplus. Subsoil 13% very short, 36% short, 50% adequate, 1% surplus. Most areas of the State reported a killing frost during the past week. Soybean harvest continues to make good progress, corn harvest is beginning to pick up momentum. Farmers continue to harvest soybeans first, as corn moisture is still running around 23%. This is the largest percentage harvested during 1 week on record. Tobacco 95% harvested, 100% 1996, 100% avg. Activities: Harvesting soybeans, corn; wheat seedbed preparation, planting; tilling harvested soybean, corn acreage, caring for livestock.

IOWA: Days suitable for fieldwork 4.8. Topsoil very short 5%, short 20%, adequate 72%, surplus 3%. Subsoil very short 11%, short 37%, adequate 50%, surplus 2%. While rain delayed harvest in some areas, soybean harvest is essentially completed. Fall fertilizer, tillage continue at full speed. Corn harvest progressing rapidly. Some reports of lodging from winds this week as well as ear droppage. Corn borer damage a common concern. Corn acreage harvested 49%, 16% 1996, 27% avg. Soybean acreage harvested 94%, 80% 1996, 81% avg. Moisture of corn in the field 19%, moisture of harvested corn averaged 18%. Corn lodging 21% none, 42% light, 29% moderate, 8% heavy; ear droppage 22% none, 47% light, 25% moderate, 6% heavy. Grain storage availability off-farm 8% short, 86% adequate, 6% surplus; on-farm 14% short, 82% adequate, 4% surplus. Completion of 1998 row crop fall tillage 11%, 6% 1996, 10% avg.; fall fertilizer applied 11%, 6% 1996, 8% avg. Winter wheat planted 85%, 77% 1996, 77% avg. Livestock in good condition. Rain helped to settle the dust. No change in range, pasture condition. Pasture feed 6% very poor, 20% poor, 36% fair, 32% good, 6% excellent.

KANSAS: Days suitable for fieldwork 4.6. Topsoil 1% very short, 18% short, 72% adequate, 9% surplus. Subsoil 2% very short, 18% short, 79% adequate, and 1% surplus. Corn, sorghum harvest made good progress. Wet conditions did slow the soybean harvest in the eastern third of the State. Farmers were waiting for the ground to dry before continuing wheat seeding in the south central, southeastern parts of the State. Corn 1% very poor, 3% poor, 20% fair, 61% good, 15% excellent. Sorghum 1% very poor, 3% poor, 23% fair, 56% good, 17% excellent. Soybeans 2% poor, 26% fair, 58% good, 14% excellent. Sunflowers 1% very poor, 7% poor, 26% fair, 59% good, 7% excellent. Sunflowers mature 96%; harvested 52%. Stock water 2% very short, 12% short, 82% adequate, 4% surplus. Major field activities: Seeding wheat, fall harvest. Livestock producers are weaning, moving cattle off pastures to crop residue.

KENTUCKY: Days suitable for fieldwork 5.2. Topsoil 22% very short, 43% short, 34% adequate, 1% surplus. Subsoil 27% very short, 44% short, 28% adequate, 1% surplus. Tobacco 1% very poor, 9% poor, 30% fair, 48% good, 12% excellent. Pasture feed 14% very poor, 31% poor, 35% fair, 18% good, 2% excellent. Ideal harvesting conditions were seen most of the week, helping bring harvesting to an end. Corn harvesting was also prominent throughout the State. Most soybeans are beyond the frost damage stages of development. Rains early in the week helped the germination of wheat already seeded, also helped aid the curing process for burley tobacco. Wheat seeded 51%, 56% 1996, 49% avg. Anticipated hay shortages due to stressed pasture conditions has caused concern among farmers.

LOUISIANA: Days suitable for fieldwork 5.4. Soil moisture 13% very short, 25% short, 60% adequate, 2% surplus. Cotton harvesting made excellent progress due to near perfect weather. Hay 99% 2nd cutting, 100% 1996, 95% avg. Pecans 10% very poor, 16% poor, 41% fair, 31% good, 2% excellent; 17% harvested, 12% 1996, 9% avg. Rice harvest was nearing completion in the northern parishes. Soybeans 100% turning color, 100% 1996, 98% avg. Harvest made excellent progress due to weather conditions. Sugarcane 4% poor, 27% fair, 56% good, 13% excellent; 100% planted, 90% 1996, 96% avg.; 18% harvested, 8% 1996, 13% avg. Harvesting was in full swing, with good sucrose levels reported in most areas. Sweet potatoes 81% harvested, 80% 1996, 71% avg. Wheat 23% planted, 13% 1996, 12% avg.; 4% emerged, 3% 1996, 4% avg. Planting was active after rains brought much-needed moisture. Livestock 9% poor, 39% fair, 47% good, 5% excellent. Cattlemen marketed heavier calves, culled cows for the winter. Vegetables 4% very poor, 19% poor, 43% fair, 33% good, 1% excellent.

MARYLAND: Days suitable for fieldwork 4.9. Topsoil 9% very short, 31% short, 55% adequate, 5% surplus. Subsoil 28% very short, 28% short, 44% adequate. Field corn 98% mature, 97% 1996, 97% avg.; 45% harvested for grain, 66% 1996, 65% avg. Soybeans 85% shedding leaves, 83% 1996, 83% avg.; 22% harvested, 21% 1996, 26% avg. Sorghum 24% harvested, 33% 1996, 32% avg. Barley 5% very poor, 9% poor, 18% fair, 63% good, 5% excellent; 66% seeded, 68% 1996, 69% avg. Rye 17% fair, 78% good, 5% excellent; 58% seeded, 47% 1996, 49% avg. Wheat 11% fair, 87% good, 2% excellent; 29% seeded, 32% 1996, 33% avg. Apples 78% harvested, 70% 1996, 76% avg. Hay supplies 24% very short, 35% short, 40% adequate, 1% surplus. Alfalfa hay 86% 4th cutting, 89% 1996, 92% avg.; 31% 5th cutting, 51% 1996, 41% avg. Clover, other hays 77% 4th cutting, 65% 1996, 57% avg. Activities: Small grain planting, corn, sorghum, soybean harvesting continued.

MICHIGAN: Days suitable for fieldwork 6.5. Topsoil 12% short, 87% adequate, 1% surplus. Subsoil 1% very short, 13% short, 84% adequate, 2% surplus. Weather was accommodating for harvesting many mature field crops. Soybean 2% very poor, 6% poor, 32% fair, 48% good, 12% excellent. All hay 4th cutting harvested 68% 1997, 52% 1996, 53% avg. Corn harvested 7% 1997, 13% 1996, 17% avg.; silage harvested 93% 1997, 94% 1996, 86% avg. Sugar beets harvested 16% 1997, 13% 1996, 26% avg. Winter wheat planted 86% 1997, 76% 1996, 80% avg. Pasture feed 4% very poor, 21% poor, 48% fair, 22% good, 5% excellent.

MINNESOTA: Days suitable for fieldwork 4.7. Topsoil 1% very short, 6% short, 82% adequate, 11% surplus. Corn 59% harvested, 24% 1996, 24% avg.; 20% moisture content, 26% 1996, 26% avg.; 24% stubble worked, 6% 1996, 11% avg. Soybeans 97% harvested, 93% 1996, 77% avg.; 11% moisture content, 12% 1996, 12% avg.; 68% stubble worked, 52% 1996, 35% avg. Sunflowers 48% harvested, 64% 1996, 55% avg. Potatoes 96% harvested, 96% 1996, 93% avg. Flax 96% harvested, 96% 1996, 91% avg. Sugar beets 70% harvested, 98% 1996, 82% avg. Pasture feed 4% very poor, 16% poor, 34% fair, 39% good, 7% excellent.

MISSISSIPPI: Days suitable for fieldwork 5.3. Soil moisture 6% very short, 26% short, 64% adequate, 4% surplus. Corn 100% grain harvested, 99% 1996, 96% avg. Soybeans 98% turning color, 98% 1996, 99% avg.; 92% shedding leaves, 91% 1996, 86% avg.; 69% harvested, 64% 1996, 52% avg.; 2% very poor, 6% poor, 29% fair, 43% good, 20% excellent.

Sweetpotatoes 65% harvested, 74% 1996, 75% avg.; 11% poor, 51% fair, 38% good. Pecans 29% harvested, 15% 1996, 13% avg.; 7% poor, 22% fair, 69% good, 2% excellent. Wheat 39% planted, 52% 1996, 37% avg.; 10% emerged; 5% poor, 24% fair, 69% good, 2% excellent. Cattle 1% very poor, 5% poor, 22% fair, 63% good, 9% excellent. Pasture 2% very poor, 16% poor, 38% fair, 40% good, 4% excellent. Activities: Harvesting corn, cotton, rice, soybeans, planting wheat.

MISSOURI: Days suitable for fieldwork 4.8. Topsoil 6% very short, 20% short, 71% adequate, 3% surplus. Early to midweek showers slowed harvesting progress across the State. Corn, sorghum, soybean crops continue to develop ahead of normal. Soybean harvest is most advanced for this date since 1987. Bean harvesting is most advanced in the northeastern, north-central districts with 86%, 75% complete, respectively. Bean harvesting is least advanced in the south-central, southeastern districts, with about 32% complete. Corn harvesting is most advanced in the southern third of the State ranging from 95-100% complete, while the northeastern, northwestern districts are least advanced with 47%, 53%, respectively. Sorghum is most advanced in the southwestern, southeastern districts at 100% mature, about 84% harvested, while the central district is least advanced at 84% mature, 27% harvested. Pasture feed 2% very poor, 13% poor, 41% fair, 43% good, 1% excellent.

MONTANA: Days suitable for fieldwork 5.7. Topsoil 13% very short, 33% short, 52% adequate, 2% surplus. Subsoil 8% very short, 48% short, 43% adequate, 1% surplus. Seeding of winter wheat is winding up. Corn for silage harvested 99%, 93% 1996, 96% avg. Dry beans harvested 99%, 100% 1996, 95% avg. Potatoes harvested 85%, 72% 1996, 81% avg. Sugar beets harvested 76%, 86% 1996, 69% avg. Alfalfa hay 2nd cutting complete; 3rd cutting of hay nearly complete. Cattle, calves moved from summer ranges 57%, 59% 1996, 59% avg. Sheep, lambs moved from summer ranges 70%, 61% 1996, 64% avg.

NEBRASKA: Days suitable for fieldwork 4.2. Subsoil 6% very short, 25% short, 67% adequate, 2% surplus. Topsoil 2% very short, 15% short, 78% adequate, 5% surplus. Soybean harvest slowed last week, as producers turned attention to corn, sorghum due to green stems and slow progress. As of 19th, 79% of the soybean crop was combined, 87% 1996, 82% avg. Harvest activities moved at a rapid pace once soils dried from the statewide precipitation of a week earlier. Corn 99% mature, 100% 1996, 99% avg.; 45% harvested, 21% 1996, 7 days ahead of 28% avg.; moisture content of harvested corn from low 20% to mid-teens; stalk breakage widespread due to high winds, corn borer/stalk rot damage. Soybeans 79% harvested, 87% 1996, 82% avg.; harvest difficult due to green stems, producers looking for a hard freeze to eliminate problem, field moisture content of soybeans under 10%. Sorghum 96% mature, 92% 1996, 95% avg.; 54% harvested, 14% 1996, 8 days ahead of 31% avg. Dry bean, millet, potato harvests near complete. Sugar beet harvest underway. Alfalfa improved to 2% very poor, 11% poor, 33% fair, 50% good, 4% excellent; 82% 4th cutting. Winter wheat 5% very poor, 16% poor, 31% fair, 46% good, 2% excellent. Winter wheat emerged 95%, 88% 1996, 94% avg. Pasture feed 5% very poor, 16% poor, 31% fair, 46% good, 2% excellent. Cattle being moved to stalks as corn harvest progresses; weaning, working calves.

NEVADA: Pasture, range forage supplies good for the season most areas. Final cutting of hay progressing. Field preparations, seeding of winter grains, new alfalfa fields continued. Alfalfa 3rd cutting complete, 4th cutting advancing,

5th cutting nearing completion south. Corn harvest well along. Onion, potato harvests continue. Livestock movement to fall pastures underway, calves being marketed. Main farm, ranch activities: Haying, onion harvest, potato harvest, marketing calves.

NEW ENGLAND: Days suitable for fieldwork 6.9. Topsoil 2% very short, 35% short, 63% adequate. Subsoil 2% very short, 34% short, 64% adequate. Pasture 1% very poor, 20% poor, 43% fair, 36% good. Maine potatoes 95% harvested, 99% 1996, 95% avg.; condition good. Massachusetts potatoes 95% harvested, 95% 1996, 95% avg.; condition good. Rhode Island potatoes 99% harvested, 80% 1996, 95% avg.; condition good to excellent. Oats in Maine 95% harvested, 100% 1996, 99% avg.; condition good. Barley in Maine 95% harvested, 100% 1996; condition good. Field corn 85% harvested, 85% 1996, 85% avg.; condition good. Sweet corn 99% harvested, 100% 1996, 100% avg.; condition good. First cut hay 100% harvested, 100% 1996, 100% avg.; condition good to fair. Second cut hay 95% harvested, 95% 1996, 95% avg.; good to fair. Third cut hay 95% harvested, 85% 1996, 90% avg.; condition good. Apples 90% harvested, 90% 1996, 85% avg.; fruit size avg.; excellent to good. Pears 95% harvested, 95% 1996; fruit size avg.; condition good. Cranberries 75% harvested, 80% 1996; fruit size avg. to above avg.; good to excellent. Another dry week. Very little left to be harvested. Major farm activities: Harvesting field corn, potatoes, pumpkins, winter squash, cranberries, apples, pears; spreading manure; disking down harvested fields, planting cover crops; cutting hay; spreading lime, fertilizer.

NEW JERSEY: Days suitable for fieldwork 7. Topsoil short. Main farming activities: Harvesting fall vegetables, planting cover crops, implementing pest control measures. Harvesting of fall items (spinach, cabbage, parsley, lettuce, sweetpotatoes, endive, escarole, Indian corn, beets, turnips, pumpkins) reported. Harvesting of soybeans, corn for grain, silage continue. Pasture feed poor to good. Cranberry harvest continues. Good volume of apples reported.

NEW MEXICO: Days suitable for fieldwork 6.8. Topsoil 2% very short, 30% short, 67% adequate, 1% surplus. Freezing night time temperatures across most of the State ended the growing season for this year. Hay producers baling hay already on the ground, preparing for final clip. Alfalfa 6% poor, 29% fair, 56% good, 9% excellent. South cotton harvest continued with 10% harvested, 20% 1996, 14% avg.; 4% very poor, 6% poor, 20% fair, 55% good, 15% excellent. Sorghum harvest 20% completed, 1% 1996, 12% avg.; 80% mature, 36% 1996, 62% avg.; 4% poor, 40% fair, 55% good, 1% excellent. Red chile harvest 20% complete; 1% poor, 27% fair, 52% good, 20% excellent. Corn 13% fair, 78% good, 9% excellent. Wheat remained stable at 1% poor, 24% fair, 74% good, 1% excellent; 92% emerged, 94% 1996, 79% avg. Pecan 1% poor, 31% fair, 39% good, 29% excellent. Fall onion planting progressed to 95% complete. Lettuce harvest continued, with 35% of the crop harvested; 10% fair, 60% good, 30% excellent. Cattle, sheep remained in mostly fair to good condition. Range, pasture feed 7% poor, 28% fair, 60% good, 5% excellent.

NEW YORK: Days suitable for fieldwork 6.2. Soil moisture 36% short, 64% adequate. Pasture feed 57% fair, 43% good. Alfalfa 3rd cutting 95% finished, 94% 1996, 94% avg. Corn 33% fair, 50% good, 17% excellent. Silage harvest 85% complete, 89% 1996, 81% avg. Grain corn 11% harvested, 20% 1996, 16% avg. Potato, dry bean harvest continued. Onions being moved into storage. Grapes in Finger Lakes region 80% picked. Apple harvest in full swing.

NORTH CAROLINA: Days suitable for fieldwork 5.6. Soil moisture 8% very short, 36% short, 54% adequate, 2% surplus. Weekend rains may help improve late season crop prospects, kept farmers out of the fields slowing harvesting, planting operations. Activities for the week included harvesting, barning, marketing of flue-cured tobacco; harvesting burley tobacco, apples, sweetpotatoes, cotton, soybeans, corn; cutting silage; cutting hay; planting and preparing land for planting of small grains; planting cover crops; maintaining pastures; tending livestock; repairing equipment. Rains reduced turnout for the opening weekend of the State fair. Only 127,342 people showed up 17th, 18th, 19th 106,996 less than last year's opening weekend.

NORTH DAKOTA: Days suitable for fieldwork 5. Topsoil, subsoil moisture supplies dried slightly. Topsoil 14% very short, 23% short, 54% adequate, 9% surplus. Subsoil 13% very short, 30% short, 53% adequate, 4% surplus. Producers made excellent progress on late season crop harvest. Harvest was most active for grain corn, sunflowers, sugar beets. Sugar beets remained behind average, percentage harvested made large gains during the week as a result of cooler temperatures. Corn for grain 48% harvested, 25% 1996, 28% avg.; silage 99% chopped, 99% 1996, 97% avg. Dry edible beans 99% combined, 98% 1996, 92% avg. Potatoes 98% dug, 97% 1996, 97% avg. Soybeans 98% harvested, 90% 1996, 81% avg. Sugar beets 64% lifted, 96% 1996, 87% avg. Sunflower 64% harvested, 51% 1996, 35% avg. Pasture feed 17% very poor, 33% poor, 37% fair, 13% good. Fall tillage, fertilization, herbicide applications were major activities. Ranchers continued to wean, background, market calves, also continued to haul hay.

OHIO: Days suitable for fieldwork 6.6. Topsoil 11% very short, 36% short, 52% adequate, 1% surplus. Corn harvested for silage 73%, 78% 1996, 88% avg. Soybeans 99% mature. Winter wheat seeded ahead of 1996 and avg.; emerged slightly ahead of normal. Other hay 96% 3rd cutting, 99% 1996, 98% avg. Tobacco 99% harvested; 4% stripped. Fall, winter apples 73% harvested. Potatoes 96% harvested, 87% 1996, 91% avg. Processing tomatoes 100% harvested, 100% 1996, 99% avg. Grapes 77% harvested. Activities: Mowing, baling 4th cutting hay; fall tillage; soil testing; applying lime, fertilizer, manure; tiling; equipment preparation; filling silos, grain bins; harvesting pumpkins, gourds, peppers; processing cider; cutting firewood. Reported weed pressures: Ironweed, chickweed. Reported diseases: Late blight in tomatoes. Hay 1% very poor, 11% poor, 32% fair, 46% good, 10% excellent. Pastures deteriorating, livestock still mostly good condition.

OKLAHOMA: Days suitable for fieldwork 4.3. Topsoil 1% very short, 21% short, 73% adequate, 5% surplus. Subsoil 2% very short, 10% short, 87% adequate, 1% surplus. Dry weather allowed row crop harvest to accelerate. Oats 51% planted, 62% 1996, 59% avg.; 24% up to stand, 16% 1996, 30% avg. Corn 98% harvested, 95% 1996, 93% avg. Soybeans 81% mature, 83% 1996, 76% avg.; 28% harvested, 51% 1996, 41% avg. Peanuts 78% mature, 79% 1996, 79% avg.; 29% combined, 28% 1996. Alfalfa hay 93% 4th cutting, 95% 1996, 98% avg.; 38% 5th cutting, 41% 1996, 57% avg. All other hay 73% 2nd cutting, 100% 1996, 100% avg. Livestock 3% poor, 17% fair, 77% good, 3% excellent. Feeder steer prices up \$0.50.

OREGON: Days suitable for fieldwork 6.7. Topsoil 36% short, 59% adequate, surplus 5%. Subsoil 1% very short, 35% short, 64% adequate. Barley planted 48%, 38% 1996, 38% avg. Winter wheat 17% fair, 80% good, 3% excellent; planted

81%, 79% 1996, 71% avg.; emerged 53%, 41% 1996, 37% avg. Activities: Westside producers with field preparation, herbicide, fertilizer applications, seeding of fall crops. Hay down in the Rogue River Valley finished. On the east side, most fall seeding completed. Some fields being reseeded in the mid Columbia area due to crusting or cheat grass competition. Sugarbeet harvest in Klamath Basin, Malheur Counties continued. Nurseries digging, balling fall trees for shipment, while greenhouses starting winter crops. Westside vegetable growers harvesting fall crops. Cauliflower, pumpkins being picked, carrot digging started. Late sweet corn harvest nearly completed, onions almost harvested, in the sheds for topping, grading. Potato harvest continued on east side, onions still being harvested in Malheur County. Willamette Valley hazelnut harvest winding down, grape harvest in full swing, walnuts being harvested. Rogue River Valley pear harvest completed, apples still being picked, grapes 60% harvested. South coast cranberry harvest continued. Livestock good to excellent over most of the State. In the east, fall cattle movement to low elevation ranges continued, as did weaning of spring calves. In south, most cattle being moved to lower pastures. Willamette Valley pastures continued putting on good growth, many too wet to graze.

PENNSYLVANIA: Days suitable for fieldwork 5.8. Soil moisture 10% very short, 45% short, 44% adequate, 1% surplus. Good week for fieldwork. Ensilage corn harvest 84% complete, 84% 1996, 84% avg. Soybean harvest 25% complete, 18% 1996, 23% avg.; 6% very poor, 20% poor, 45% fair, 27% good, 2% excellent. Wheat planted 72% complete, 68% 1996, 71% avg.; emerged 43% complete, 39% 1996, 31% avg. Barley planted 90% complete, 85% 1996, 87% avg.; emerged 57% complete, 57% 1996, 50% avg. Potato harvest 85% complete, 81% 1996, 84% avg. Alfalfa 73% 4th cutting, 73% 1996, 67% avg. Quality of hay made 10% poor, 25% fair, 50% good, 15% excellent. Apple harvest 74% complete, 77% 1996, 79% avg. Grape harvest 60% complete, 86% 1996, 83% avg. Fall plowing 75% complete, 68% 1996, 74% avg. Activities: Harvesting fruits, vegetables; making hay and haylage; filling silos; seeding barley and wheat; plowing fields; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Days suitable for fieldwork 5.6. Soil moisture 2% very short, 42% short, 55% adequate, 1% excellent. Apples 88% harvested, 92% 1996, 87% avg.; 43% fair, 57% good. Barley 43% planted, 33% 1996, 23% avg.; 32% emerged, 23% 1996, 14% avg.; 16% fair, 84% good. Corn 100% harvested, 99% 1996, 98% avg.; 1% very poor, 3% poor, 16% fair, 57% good, 23% excellent. Cotton 91% bolls opened, 96% 1996, 94% avg.; 22% harvested, 52% 1996, 36% avg.; 1% very poor, 6% poor, 29% fair, 54% good, 10% excellent. Oats 38% planted, 33% 1996, 31% avg.; 32% emerged, 23% 1996, 19% avg.; 4% poor, 34% fair, 31% good, 31% excellent. Peanuts 69% harvested, 71% 1996, 60% avg.; 1% very poor, 6% poor, 23% fair, 68% good, 2% excellent. Pecans 20% harvested, 28% 1996; 62% fair, 38% good. Rye 52% planted, 39% 1996, 36% avg.; 33% emerged, 28% 1996, 26% avg.; 55% fair, 35% good, 10% excellent. Sorghum 82% harvested, 83% 1996, 66% avg.; 1% very poor, 15% poor, 40% fair, 44% good. Soybeans 77% leaves turning color, 88% 1996, 78% avg.; 36% leaves dropped, 40% 1996, 39% avg.; 20% mature, 23% 1996, 21% avg.; 6% harvested 5% 1996, 3% avg.; 4% very poor, 14% poor, 43% fair, 36% good, 3% excellent. Sweetpotatoes 58% harvested, 44% 1996, 46% avg.; 1% very poor, 2% poor, 24% fair, 72% good, 1% excellent. Tobacco 98% stalks destroyed, 91% 1996, 92% avg. Winter grazings 63% planted, 64% 1996, 56% avg.; 44% emerged, 42% 1996, 39% avg.; 2% very poor, 7% poor, 43%

fair, 43% good, 5% excellent. Winter wheat 28% planted, 12% 1996, 8% avg.; 16% emerged, 5% 1996, 3% avg.; 5% poor, 27% fair, 60% good, 8% excellent.

SOUTH DAKOTA: Days suitable for fieldwork 4.2. Topsoil 1% very short, 6% short, 86% adequate, 7% surplus. Subsoil 1% very short, 10% short, 79% adequate, 10% surplus. Stock water 3% short, 89% adequate, 8% surplus. Major activities: Harvesting row crops for grain, moving hay, fall tilling. Corn 3% poor, 12% fair, 53% good, 32% excellent. Soybean 5% poor, 15% fair, 55% good, 25% excellent. Sorghum 1% poor, 7% fair, 66% good, 26% excellent. Sunflower 2% poor, 12% fair, 55% good, 31% excellent. Winter rye 2% poor, 24% fair, 38% good, 36% excellent. Livestock 7% fair, 66% good, 27% excellent. Winter rye 96% emerged, 87% 1996, 92% avg. Sunflower 100% mature, 98% 1996, 94% avg.; 58% harvested, 53% 1996, 44% avg. Soybeans 100% mature, 99% 1996, 95% avg. Corn silage 99% harvested, 95% 1996, 90% avg. Sorghum silage 99% harvested, 91% 1996, 83% avg.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 4% very short, 17% short, 73% adequate, 6% surplus. Subsoil 5% very short, 24% short, 66% adequate, 5% surplus. Corn 90% grain harvested, 93% 1996, 85% avg. Tobacco 95% burley harvested, 100% 1996, 100% avg.; 23% burley striped, 28% 1996, 27% avg.; 99% air cured harvested, 100% 1996, 100% avg.; 97% fire cured harvested, 100% 1996, 100% avg. Sorghum 98% grain harvested, 76% 1996, 88% avg. Winter wheat 37% seeded, 38% 1996, 34% avg. Pasture feed 2% very poor, 13% poor, 38% fair, 42% good, 5% excellent. Limited rainfall and typical fall temperatures characterized the week. Isolated areas witnessed their first killing frost. Wheat seeding continued to stay on pace last week as producers seeded an additional 15%, pushing seeded acreage above one-third. Tobacco producers still have some acreage remaining in the fields. Most burley producers are concentrating their efforts on preparing their crop for stripping. Corn grain harvest remains about a week ahead of the 5-year average, with 90% harvested. Silage harvest was wrapped up last week.

TEXAS: Rainfall lingered early part week some areas, temperatures cooler, but pleasant for week. Winter grasses, small grain pastures showing good response to moisture, cooler temperatures. Harvest operations increased in Plains, while wet field conditions kept producers idle most week along Upper Coast. Livestock conditions remained good most areas. Small grains: Emergence improved with rainfall over past 2 weeks. High Plains, fields made good to excellent progress. Across other areas, planting increased as fields allowed with added moisture, emergence also improved. Corn producers in High Plains able to complete harvest operations during week. Remaining fields should go fast as open weather forecast for coming week. Cotton harvest resumed in Plains, north-central areas as fields dried. Additional harvest aids applied during week. Isolated fields, heavy boll worm problems apparent. However, overall a good crop expected. Later crop along Upper Coast continued show decline from heavy rains. Very little harvest occurred in area during week. Grain sorghum harvest continued in Plains, beginning many more north-central fields. Some producers will wait on a freeze before starting harvest. Peanuts: Recent rains across south-central areas beneficial to digging activity as harvest got underway many fields during week. Harvest also increased north-central areas, where some with dryland yields disappointing but irrigated fields yielding well. Rice harvest remaining fields again slowed by wet conditions along Upper Coast. Some sprouting occurred with recent rains. Soybeans:

Harvest along Upper Coast stalled by wet conditions lingering from last week's rains. Late varieties likely adversely affected by this rain. Harvest increased in Plains, where yields been good. Sugar beets: A few fields harvested during week with bulk of activity expected to begin within a couple of weeks. Cooler temperatures needed for good sugar levels.

Commercial Vegetables: Rio Grande Valley, recent rainfall beneficial as irrigation water continued short. San Antonio-Winter Garden, land preparation resumed as fields dried out. Watermelons continued make good progress. High Plains, most activity completed with only few fields of pumpkins remaining for harvest. East, sweetpotato harvest resumed some fields as conditions dried. Trans-Pecos, some bell pepper harvest continued. Pecan harvest began few more groves during week. Shucks continued split many areas. Producers have shut off irrigation operations in Trans-Pecos preparation for harvest.

Range and Livestock: Stockers beginning to arrive in High Plains, where wheat pastures showing good progress. Growth of winter grasses increased many areas with cooler temperatures. Warm season grasses all but done for year. Hay supplies look good going into winter. Cattle markets fell off slightly during week, rain could help revive prices some.

UTAH: Days suitable for fieldwork 6.4. Topsoil 11% short, 86% adequate, 3% surplus. Subsoil 11% short, 86% adequate, 3% surplus. Winter wheat emerged 81%, 91% 1996, 72% avg. Corn dent stage 87%, 99% 1996; mature stage 65%, 91% 1996, 87% avg.; harvested for silage 89%, 97% 1996, 95% avg.; harvested for grain 41%, 37% 1996, 36% avg. Alfalfa hay 4th cutting 71%, 86% 1996, 88% avg.; seed harvested 82%, 66% 1996, 87% avg. Potatoes 93% harvested, 48% 1996. Onions 95%, 90% 1996. Apples picked 64%, 70% 1996, 76% avg. Cattle moved from summer range 80%, 86% 1996, 87% avg. Sheep moved from summer range 88%, 85% 1996, 88% avg. Major farm, ranch activities were: Harvesting hay, harvesting corn for silage and grain, picking fruit, planting winter grains, moving cattle, sheep from summer ranges.

VIRGINIA: Days suitable for fieldwork 5.2. Topsoil 25% very short, 35% short, 35% adequate, 5% surplus. Subsoil 30% very short, 50% short, 20% adequate. Corn 91% mature, 99% 1996, 100% avg.; 57% harvested, 64% 1996, 72% avg.; 97% silage harvested, 95% 1996, 96% avg. Soybeans 67% dropping leaves; 15% harvested, 9% 1996, 16% avg.; 19% very poor, 26% poor, 37% fair, 17% good, 1% excellent. Cotton 17% harvested, 19% 1996, 27% avg.; 7% very poor, 14% poor, 45% fair, 30% good, 4% excellent. Fall apples 71% harvested, 85% 1996, 81% avg. Winter apples 60% harvested, 48% 1996, 49% avg. Flue tobacco 90% harvested, 98% 1996, 99% avg. Burley tobacco 99% harvested, 100% 1996, 100% avg. Peanuts 88% dug, 84% 1996, 82% avg.; 72% combined, 67% 1996, 65% avg.; 10% very poor, 20% poor, 45% fair, 25% good. Barley 45% seeded, 56% 1996, 53% avg. Winter wheat 17% seeded, 19% 1996, 22% avg. Pasture feed 20% very poor, 30% poor, 40% fair, 10% good. Livestock 7% poor, 31% fair, 60% good, 2% excellent. Scattered showers fell across most of State. Some localities received as little as a trace, while isolated localities received 2 or more inches of rainfall. These general rains have improved moisture supply levels throughout the State and have offered some relief to pastures. Some livestock producers in drier localities are hauling water, moving

livestock. Some producers report that their calves are 50 pounds lighter due to short pastures, supplies. Producers are baling corn stover in anticipation of short hay supplies this winter. Fall seeded grains are now running behind 1996 and the 5-year average due to previous dry conditions. Although some isolated localities are still too dry for small grain seeding, recent rains have allowed more planting progress. These rains have also aided in the germination of previously planted small grains. Producers continue harvesting snap beans, cucumbers, tomatoes, peppers, sweetpotatoes, pumpkins. Other activities include tobacco harvesting, curing, marketing.

WASHINGTON: Days suitable for fieldwork 6.2. Topsoil 15% short, 67% adequate, 18% surplus. Subsoil 12% short, 85% adequate, 3% surplus. Winter wheat 99% planted, 97% 1996, 94% avg.; 90% emerged, 88% 1996, 76% avg. Winter wheat planting was completed in most areas, with favorable conditions for establishment. Corn 100% good; grain 10% harvested, 14% 1996, 22% avg.; silage 95% harvested, 94% 1996, 91% avg. Potatoes 10% fair, 82% good, 8% excellent; 83% harvested, 85% 1996, 80% avg. Dry beans 100% good; 90% harvested, 99% 1996, 93% avg. Hay, other roughage 72% adequate, 28% surplus. Alfalfa 4th cutting was complete, many dairy farmers made a final green chop harvest. Range, pasture feed 12% poor, 54% fair, 33% good, 1% excellent. Apple harvest continued, focusing on late varieties. Western areas reported pear yields 25% below average, quality was good. Late vegetable harvest continued for the late markets, pumpkin farmers reported excellent U-pick sales.

WEST VIRGINIA: Days suitable for fieldwork 6.0. Topsoil 15% very short, 48% short, 37% adequate. Corn 7% very poor, 16% poor, 20% fair, 56% good, 1% excellent; 86% mature, 93% 1996, 99% avg; 41% harvested grain, 27% 1996, 59% avg. Hay 3rd cutting 83%, 75% 1996, 93% avg. Soybeans 39% fair, 61% good; 90% dropping leaves, 98% 1996, 99% avg.; 23% harvested grain, 20% 1996, 40% avg. Wheat planted 45%, 67% 1996, 46% avg. Cattle 23% fair, 73% good, 4% excellent. Sheep 15% fair, 82% good, 3% excellent. Activities: Harvesting apples, corn, hay, winter wheat planting, marketing cattle, calves, lambs.

WISCONSIN: Days suitable for fieldwork 5.7. Soil moisture 17% short, 73% adequate, 10% surplus. Corn chopping was pretty much done statewide, with 88% of the acreage in the silo or bagged. A reporter from Marinette County noted 12.5 to 18 tons per acre, while a reporter in Sauk County commented that corn silage yielded over 20 tons/acre. Most of the corn, statewide, was reported safe from frost. Soybean harvest jumped to 84% complete, 19 points faster than last year, ahead of the 5-year average of 48%. A reporter from Iowa County commented that 'roundup ready' soybeans showed a 5-6 bushel advantage. Cranberry yields in Wood County were reported good to above average. The supply of high quality dairy hay was recorded short in Wood County. However, low quality hay is available. Fall tillage 23%, 21% 1996, 23% avg. Pasture feed 6% poor, 32% fair, 56% good, 6% excellent.

WYOMING: Days suitable for fieldwork 6.5. Topsoil 2% very short, 19% short, 79% adequate. Corn for grain 16% harvested, 51% 1996, 38% avg. Sugar beets 76% harvested, 81% 1996, 63% avg. Range, pasture feed 2% very poor, 3% poor, 16% fair, 65% good, 14% excellent. Cattle 6% fair, 87% good, 7% excellent. Sheep 6% fair, 80% good, 14% excellent.

International Weather and Crop Summary

October 12 - 18, 1997

HIGHLIGHTS

FSU-WESTERN: Frequent showers in Ukraine and southern Russia slowed corn, sunflower, and sugar beet harvesting but provided ample moisture for winter wheat germination and establishment.

FSU-NEW LANDS: Weather conditions favored final spring grain harvest efforts.

EUROPE: Showers continued to cause some interruptions in summer crop harvesting but provided soil moisture for winter grain emergence and development.

NORTHWESTERN AFRICA: Light to moderate showers in eastern Algeria and northern Tunisia increased topsoil moisture for winter wheat planting.

SOUTH AMERICA: In central Argentina and extreme southern Brazil, wet weather boosted soil moisture reserves, but slowed summer crop planting and winter wheat harvesting.

SOUTH ASIA: Monsoon rain was confined to the southern tip of India, although a few unseasonable showers lingered over central India.

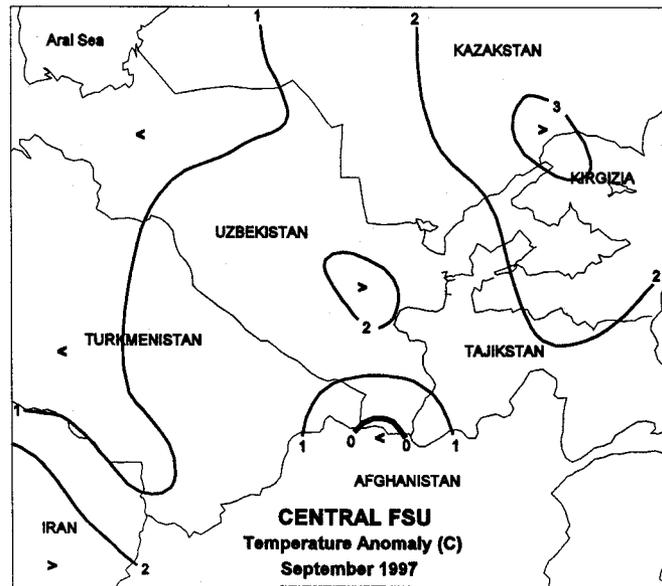
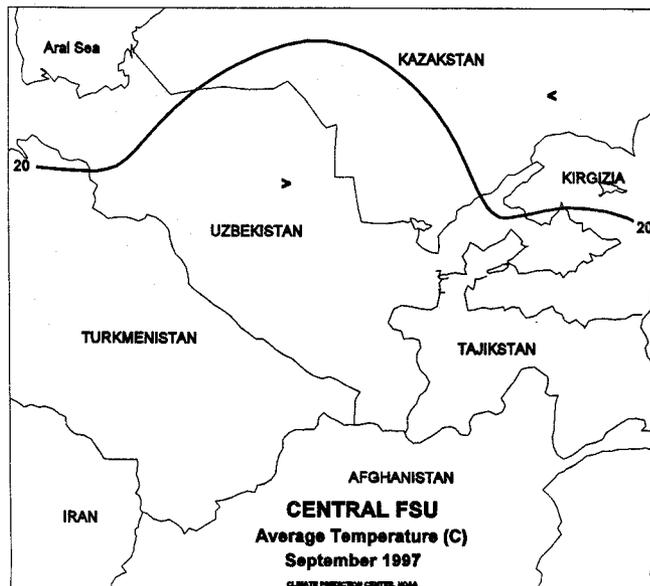
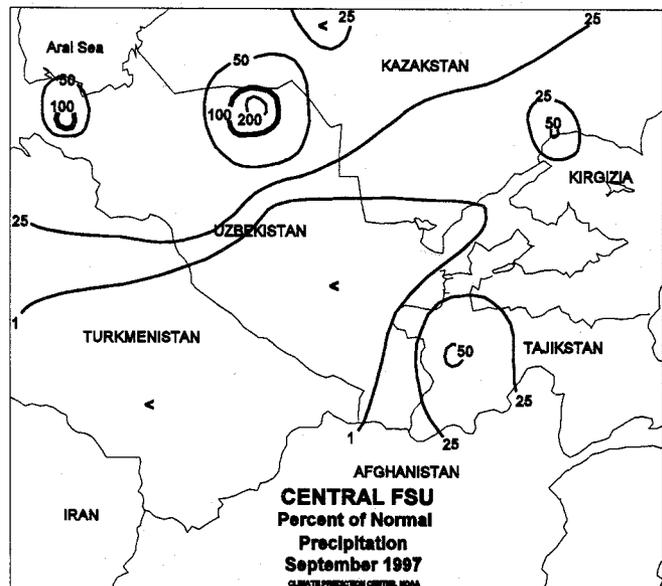
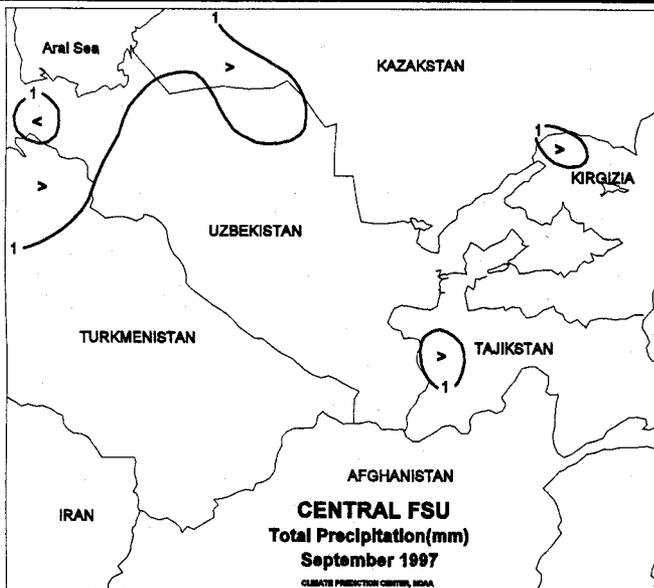
SOUTH AFRICA: Scattered showers improved corn planting prospects.

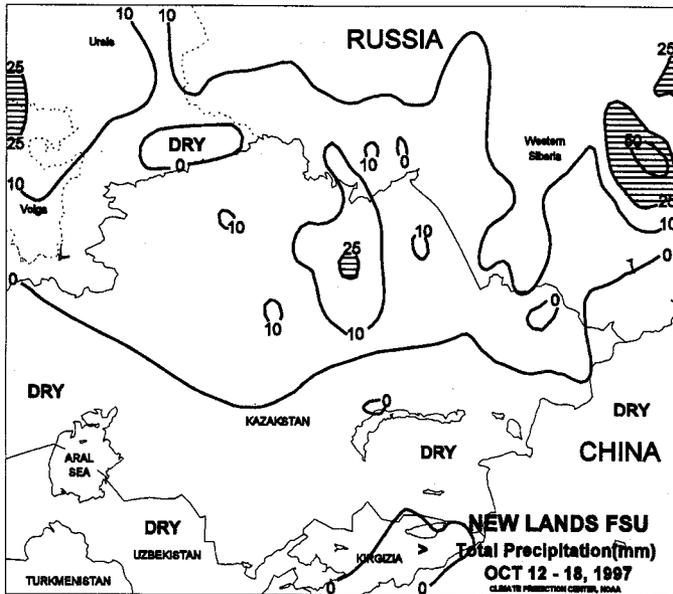
SOUTHEAST ASIA: In the Philippines, Typhoon Ivan hit northern Luzon as heavy rain brought some relief to dryness, but caused local flooding. Drought still prevailed across Java and southern Sumatra.

EASTERN ASIA: Warm, dry weather allowed summer crop harvesting to progress, but reduced moisture for winter wheat germination in the North China Plain.

AUSTRALIA: Dryness dominated the region, benefiting maturing winter grains and aiding summer crop planting.

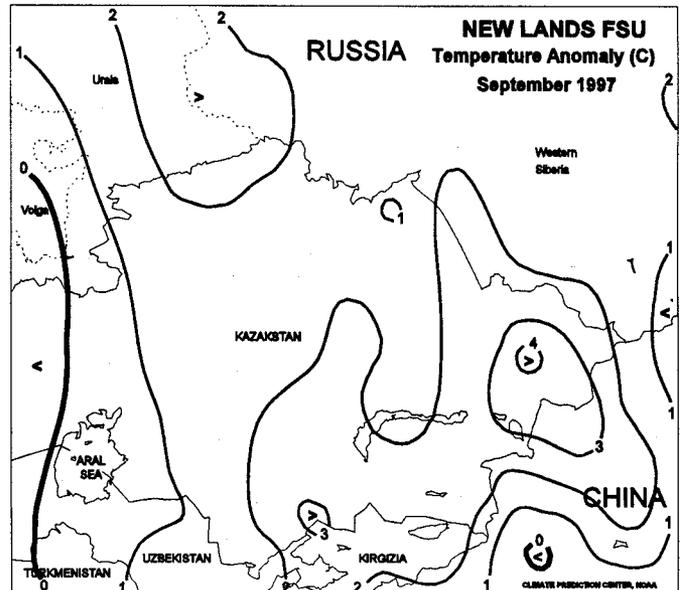
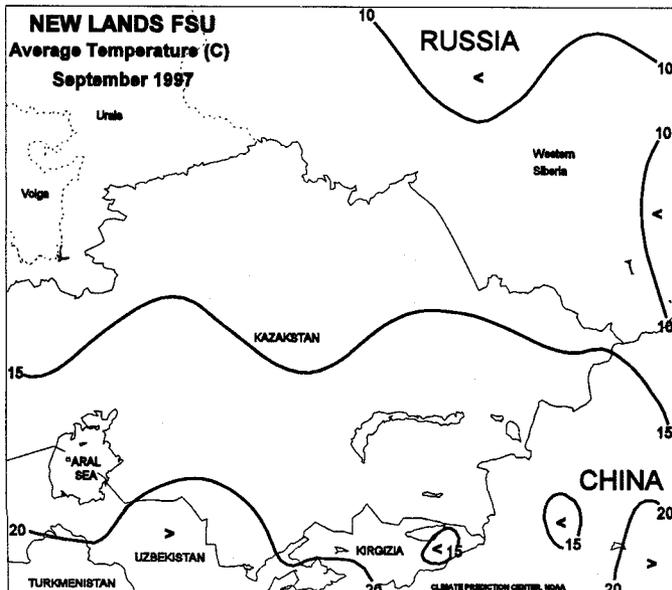
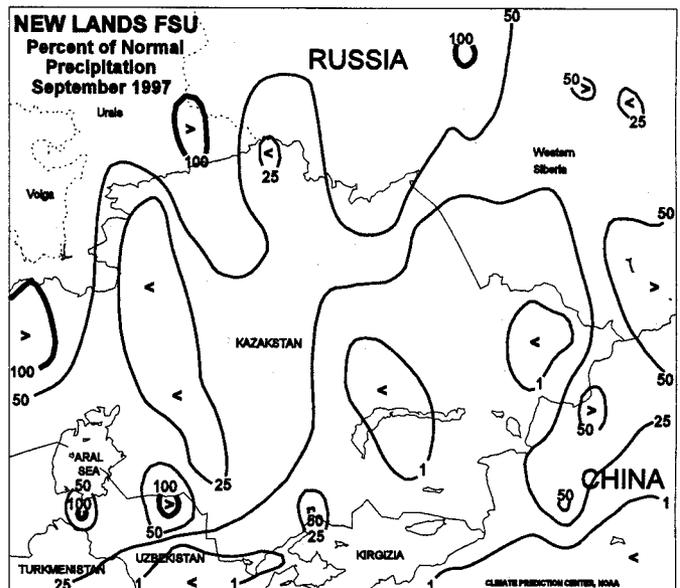
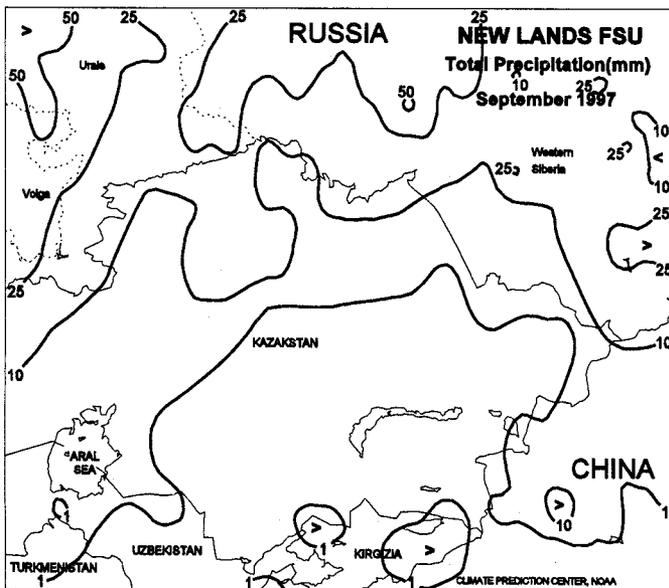
MEXICO: Rain aided late maturing summer crops across eastern Mexico and increased reservoir levels in the northeast.

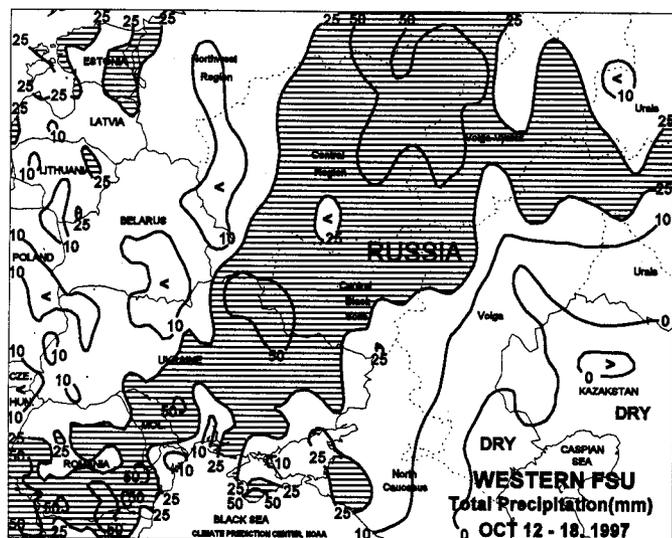




NEW LANDS

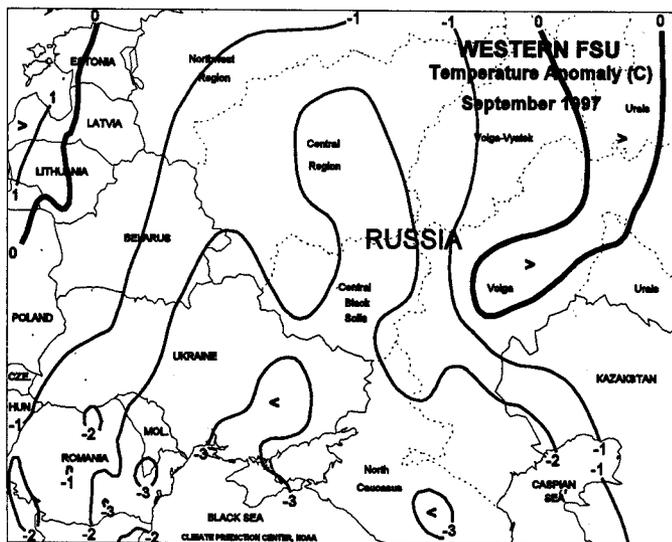
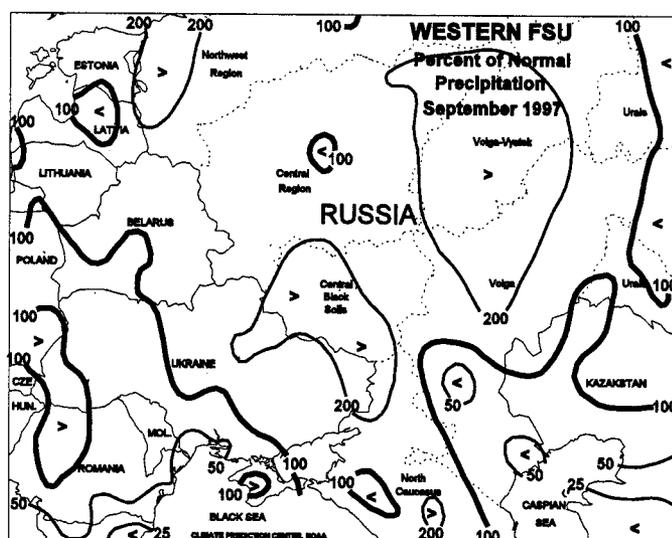
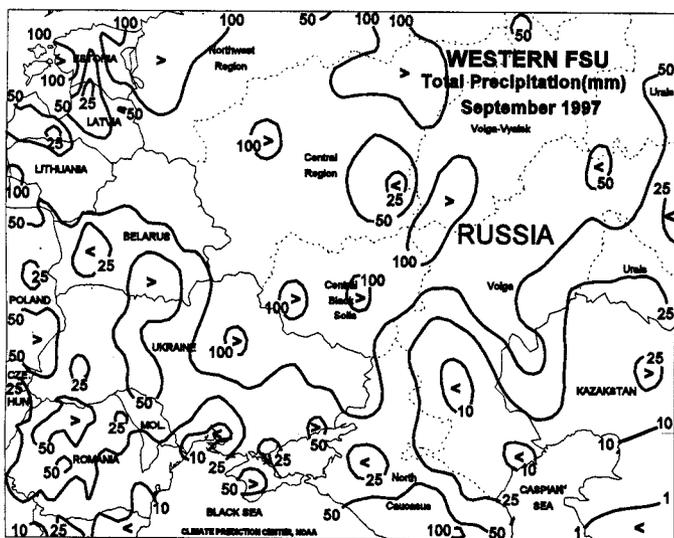
In Russia and Kazakstan, several days of dry weather were accompanied by a warming trend (weekly temperatures averaging 6-10 degrees C above normal), allowing late spring grain harvest activities to progress toward completion. Precipitation amounts in Russia and Kazakstan generally ranged from 2 to 20 mm, with scattered amounts in excess of 20 mm. In September, below-normal precipitation was accompanied by unseasonably warm weather in Russia and Kazakstan, favoring spring grain maturation and rapid harvesting. Typically, the bulk of spring grains is harvested in these areas during September. Weekly coverage of the New Lands will be discontinued until next year's planting season. In cotton growing areas of Central Asia, unseasonably warm, dry weather favored cotton in the open boll stage of development and rapid harvesting.



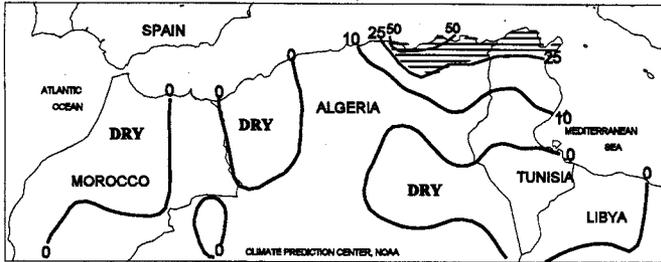


FSU-WESTERN

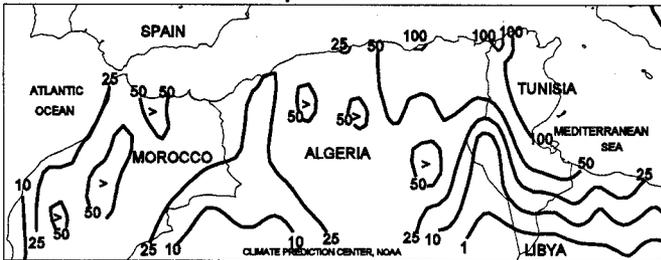
Frequent showers (10-50 mm) fell in Ukraine and southern Russia (Central Black Soils Region, lower Volga Valley, and the North Caucasus). Although the rain hampered corn, sunflower, and sugar beet harvesting, it maintained ample soil moisture for winter wheat emergence and establishment. Reports as of October 20 indicated sugar beets in Russia were 40 percent harvested. Farther north, widespread precipitation (10-50 mm) and mild weather in northern Russia favored continued vegetative growth in winter grains. Weekly temperatures averaged 1 to 3 degrees C below normal in the Baltics, Belarus, and the western half of Ukraine, 1 to 5 degrees C above normal in eastern Ukraine and northern Russia, and 4 to 8 degrees C above normal in southern Russia. In September, above-normal precipitation fell over most of Russia and the eastern half of Ukraine. Most of the rain fell after September 24, delaying summer crop harvesting but providing favorable topsoil moisture for winter grain emergence and establishment. Below-normal temperatures prevailed over most of Ukraine and Russia during September, slowing summer crop maturation.



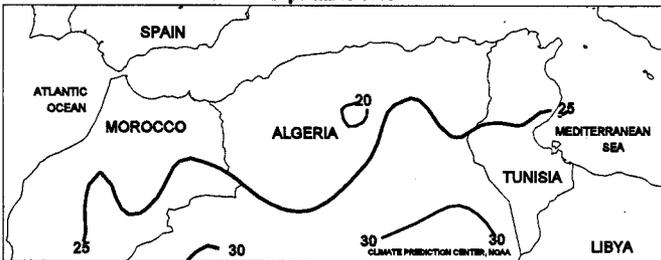
NORTHWEST AFRICA Total Precipitation (mm)
OCT 12 - 18, 1997



NORTHWEST AFRICA Total Precipitation (mm)
September 1997



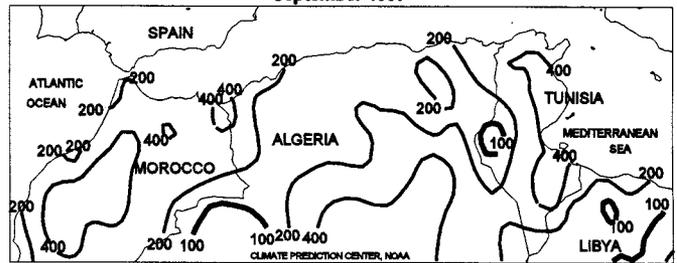
NORTHWEST AFRICA Average Temperature (C)
September 1997



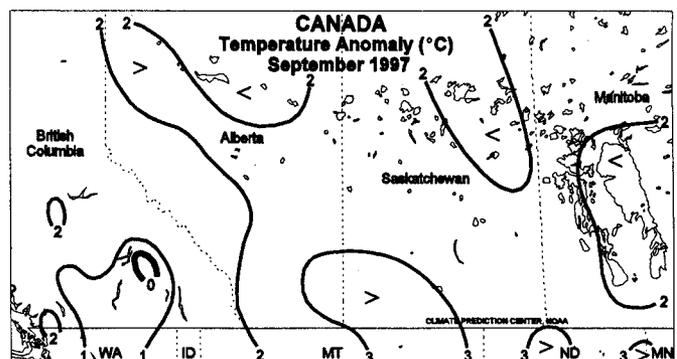
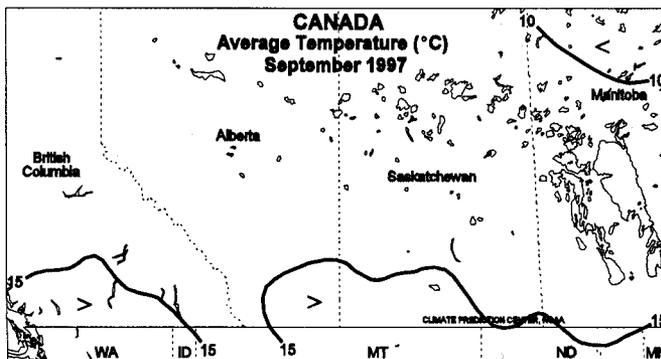
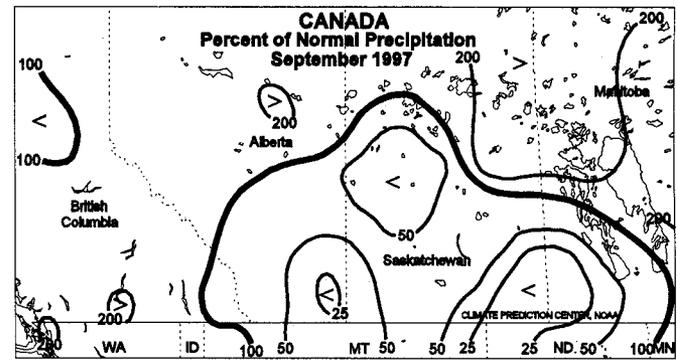
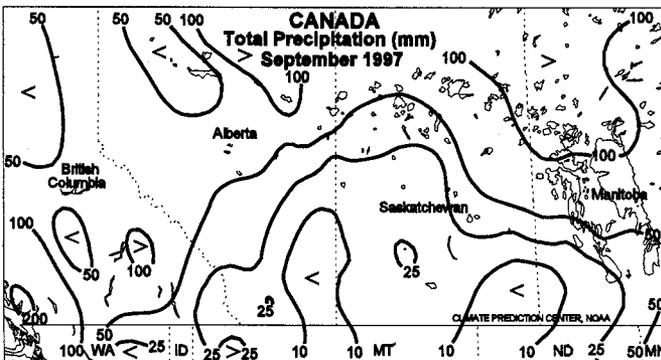
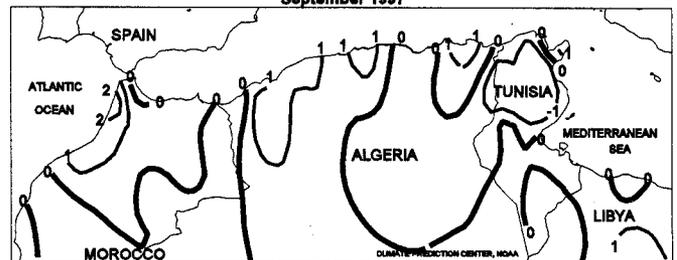
NORTHWESTERN AFRICA

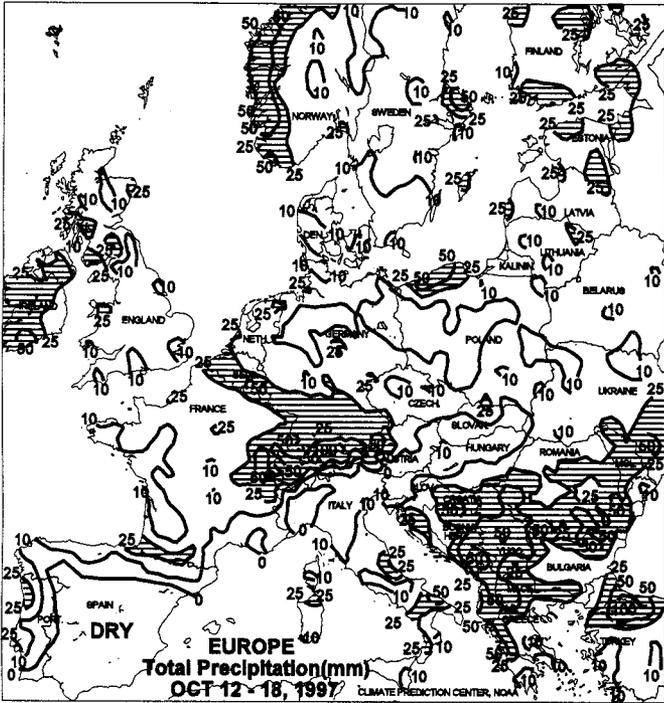
Preparations for winter grain planting were occurring over most of the region. Light to moderate showers (10-44 mm) in eastern Algeria and northern Tunisia helped to increase topsoil moisture for planting. Winter grain planting can begin as early as late-October if soil moisture is sufficient. Most of the crop, however, is usually planted from mid-November to mid-December, when autumn rains become more consistent. Mostly dry weather prevailed over Morocco and western Algeria.

NORTHWEST AFRICA Percent of Normal Precipitation
September 1997



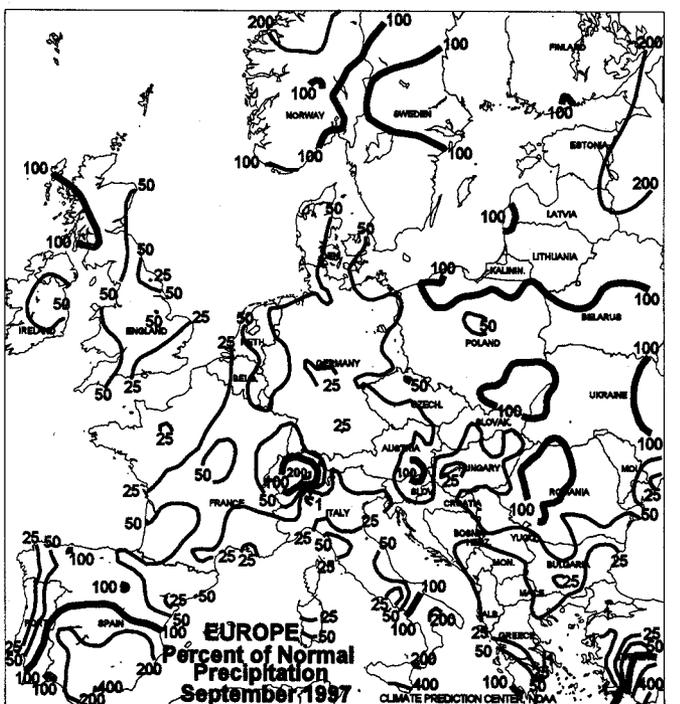
NORTHWEST AFRICA Temperature Anomaly (C)
September 1997

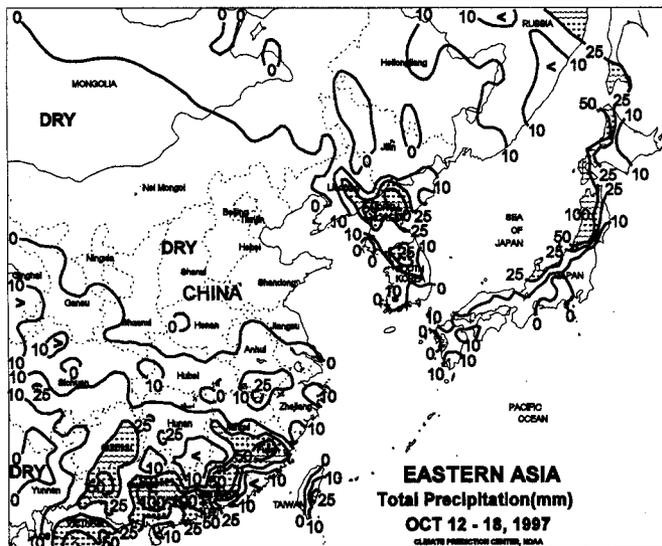
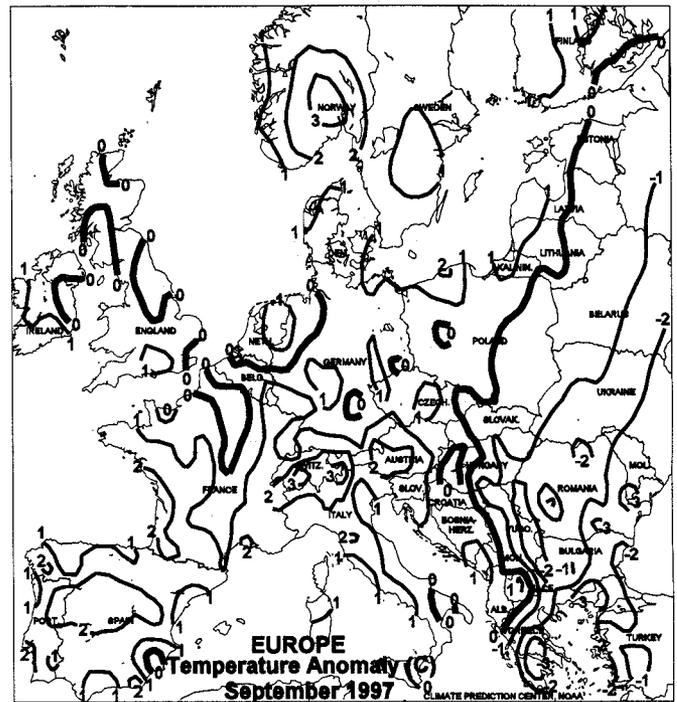




EUROPE

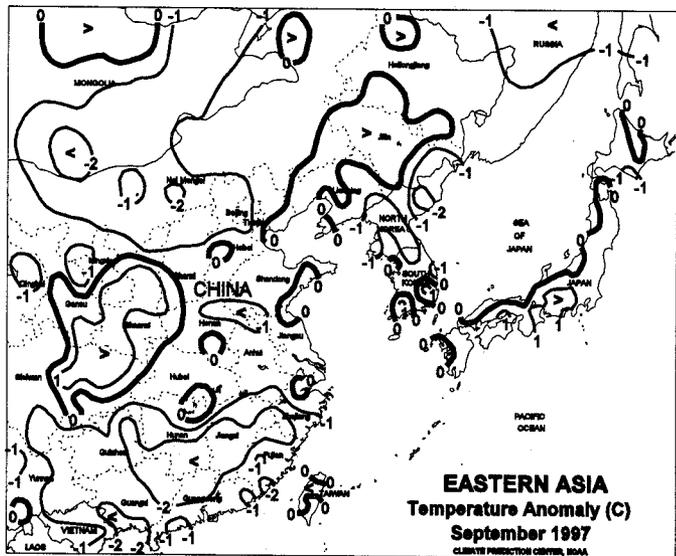
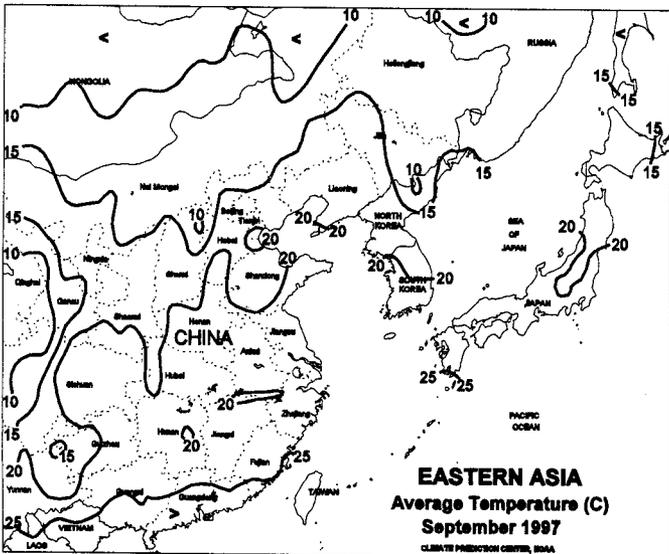
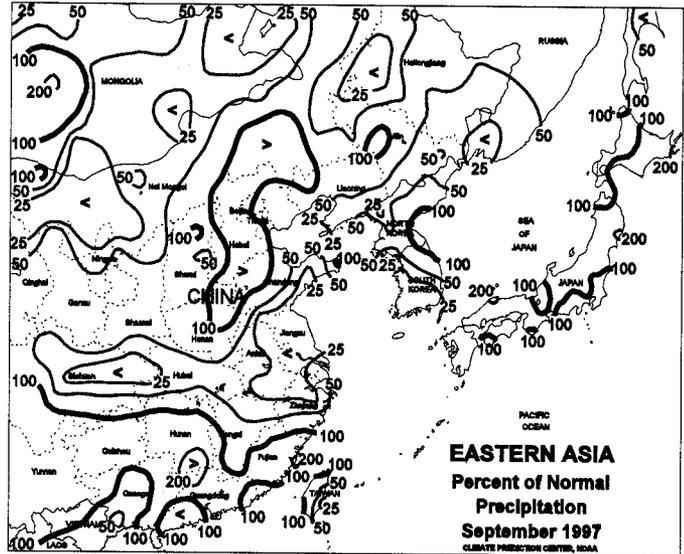
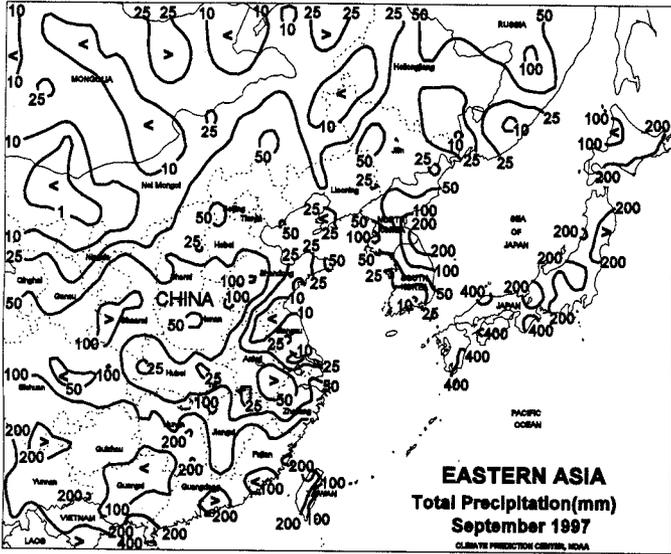
Widespread light showers (10-25 mm) fell from England and France eastward through the Benelux countries into Germany, causing some interruptions in summer crop harvesting but moistening topsoils for winter wheat germination. Reports as of October 20 indicated that corn in major corn-growing areas of southwestern France was 60 to 70 percent harvested. Elsewhere, dry weather in Italy's Po Valley helped corn harvesting and winter wheat planting. Farther south, light showers (10-25 mm) in peninsular Italy helped to condition topsoils for upcoming wheat planting in November. In eastern Europe, the first widespread freeze of the autumn occurred on October 17-18, ending the growing season as far south as Romania. Minimum temperatures generally ranged from -1 to -5 degrees C, with scattered locations reporting temperatures below -5 degrees C. Wet weather (12-58 mm) in southeastern Europe slowed summer crop harvesting but boosted topsoil moisture for winter grain development. In Greece, unseasonably cool weather was accompanied by light to moderate showers (10-45 mm), hampering cotton harvesting. In September, well-below-normal precipitation in most areas of Europe along with near-normal temperatures favored summer crop maturation and harvesting and winter crop planting. Early-season rains fell in southern Spain, slowing summer crop harvesting.

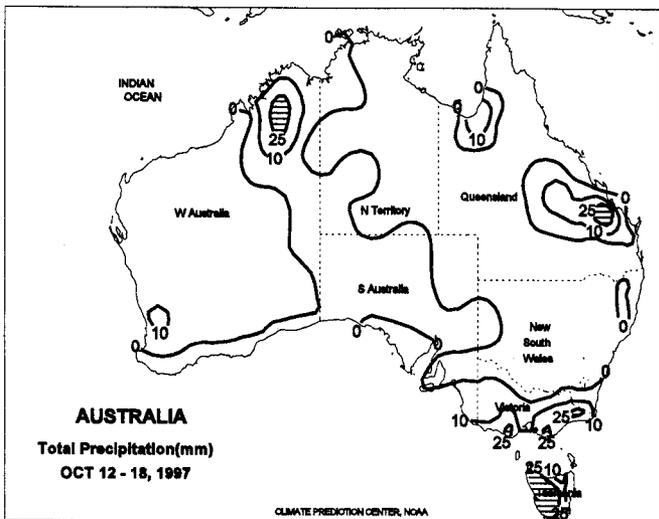




EASTERN ASIA

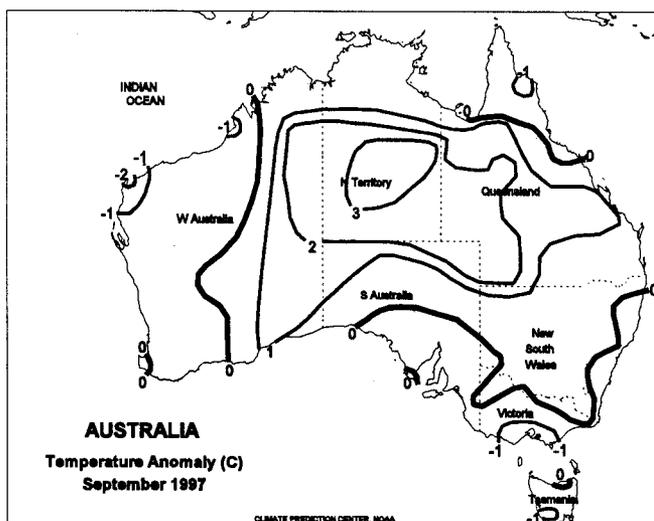
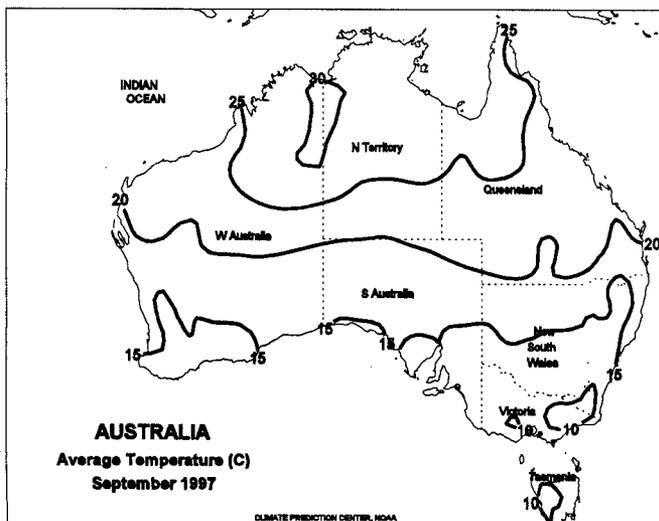
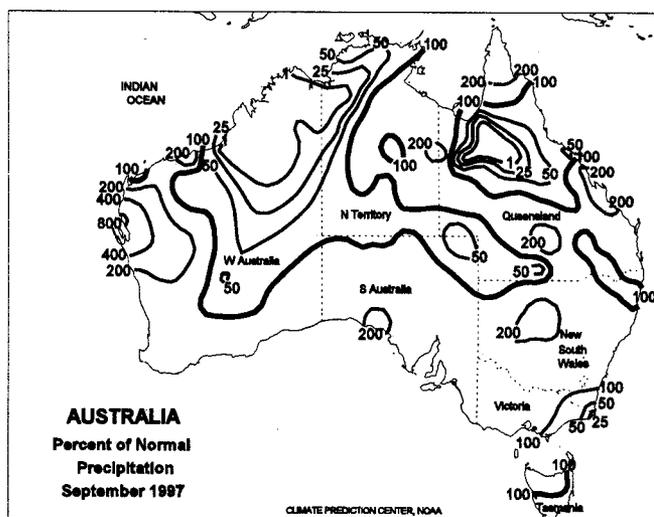
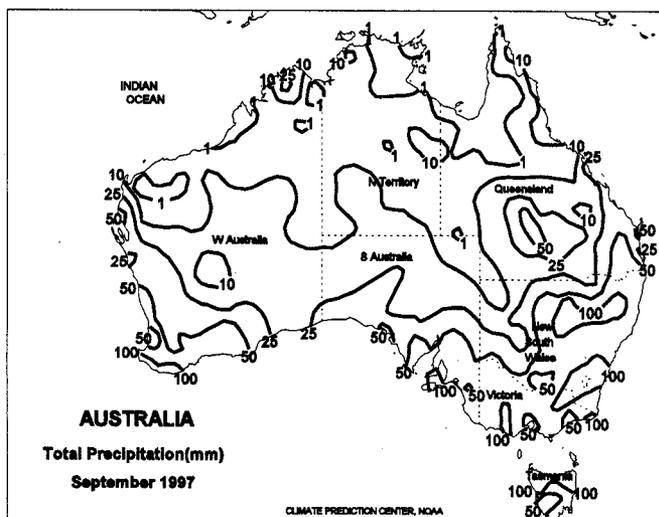
Warm, dry weather again prevailed across the North China Plain, favoring summer crop harvesting. Temperatures averaged 2 to 5 degrees C above normal, with highs ranging from 25 to 30 degrees C. However, the warm, dry weather has reduced soil moisture for winter wheat germination and establishment. Moderate showers (20-50 mm) covered southern China, slowing late double-crop rice maturation. Dry weather favored rice maturation and harvesting across South Korea and southern and central Japan. Moderate showers (30-60 mm) slowed early rice harvesting in North Korea and northern Japan. In early September, rain increased topsoil moisture for winter wheat planting across the North China Plain. However, but mostly dry weather since then has necessitated supplemental irrigation. Below-normal September rainfall favored maturing summer crops along the Yangtze Valley. Above-normal rainfall slowed late double-crop rice growth across southern China. In Japan, Typhoon David contributed to above-normal September rainfall, which slowed rice maturation.

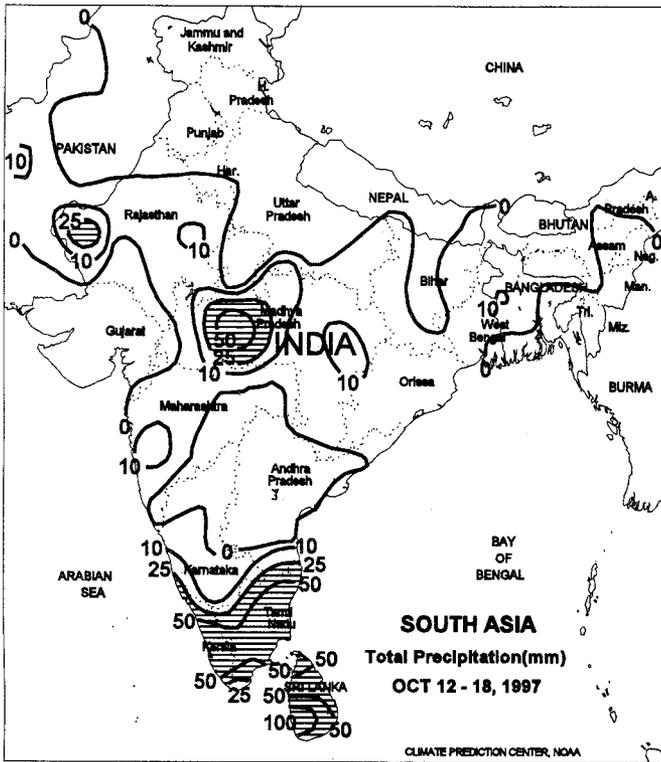




AUSTRALIA

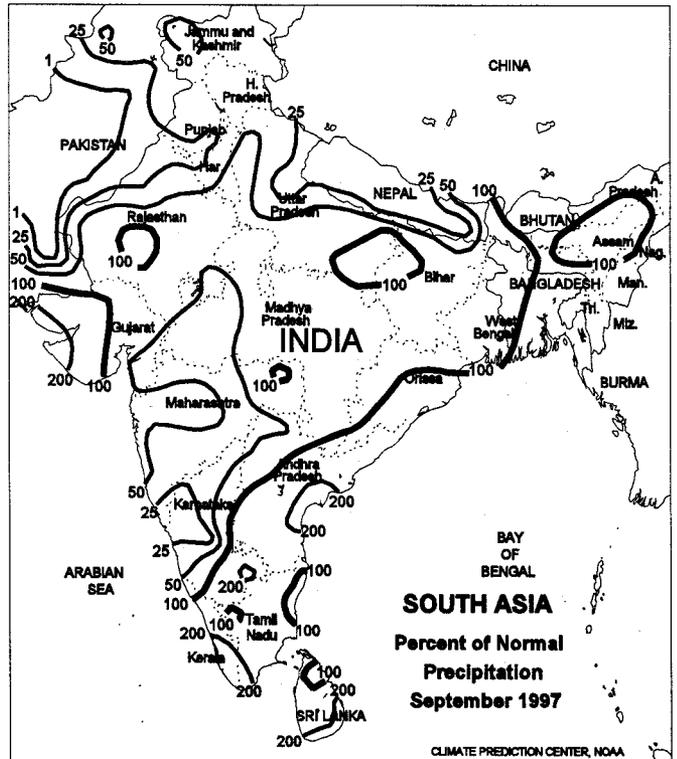
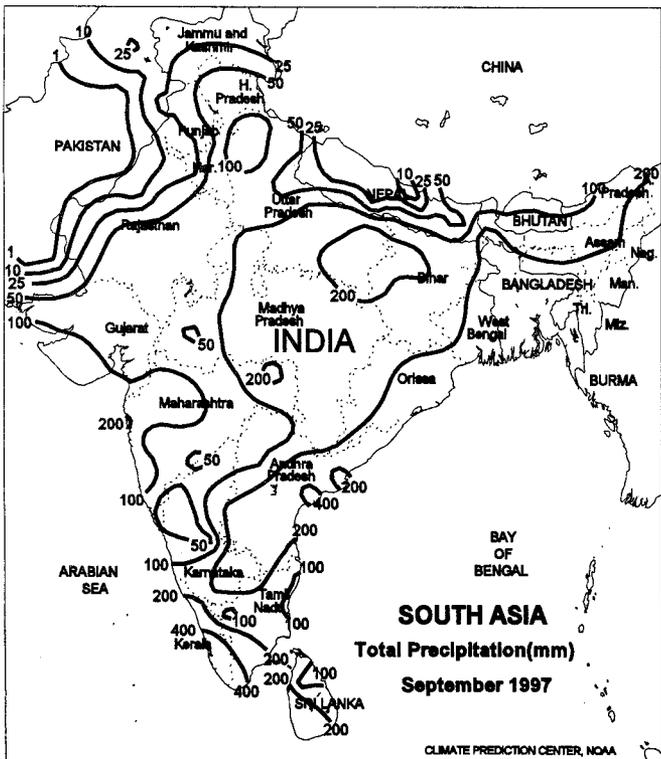
Dry weather covered nearly all major agricultural areas. The exception was Queensland's far northern interior growing areas, which received 10 to 25 mm or more following last week's heavy rain in the more southerly crop areas. Most primary sorghum and cotton areas have now received adequate planting moisture, and fieldwork was likely underway. Winter grain harvesting was also progressing, although most crops throughout the southeast and sections of Western Australia are a few weeks away from maturity. Shower activity increased across New Zealand, with most locations receiving 10 to 25 mm or more. In September, rainfall was near to above normal throughout Australia's main winter grain areas. In the east, this was due primarily to periods of locally heavy rain during the first and third weeks of the month that were especially timely for immature crops in the southeast. In Western Australia, early-September showers sustained high yield prospects as declining rainfall the remainder of the month favored filling. Temperatures across the region averaged near normal for the month, with a notable absence of any significant late freezes.

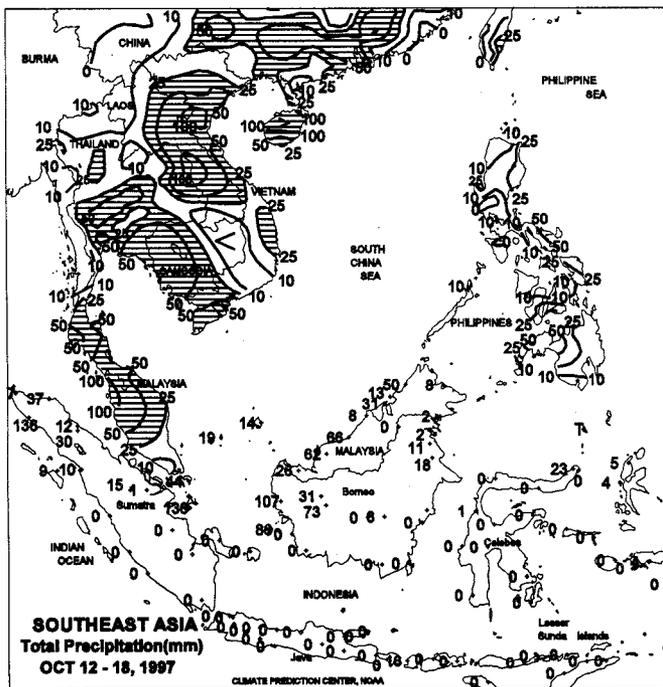
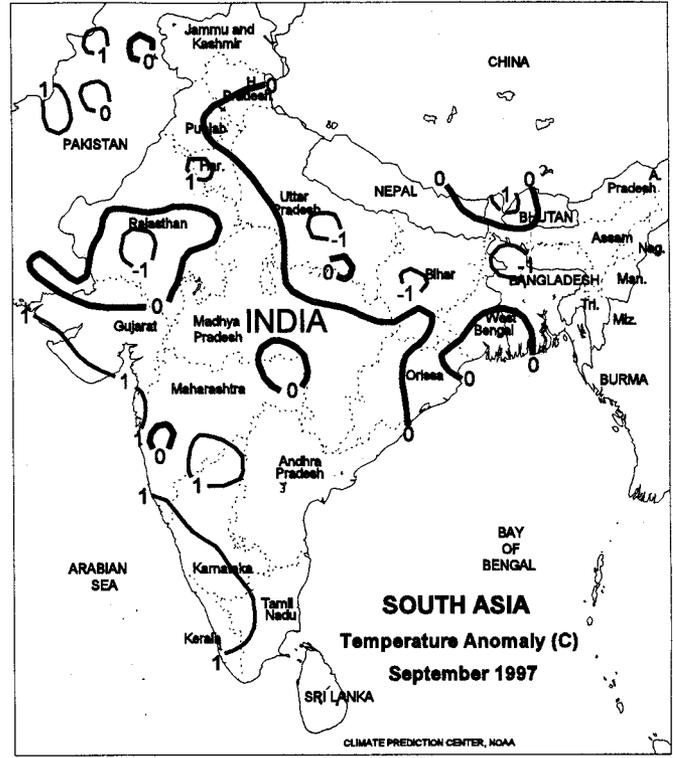
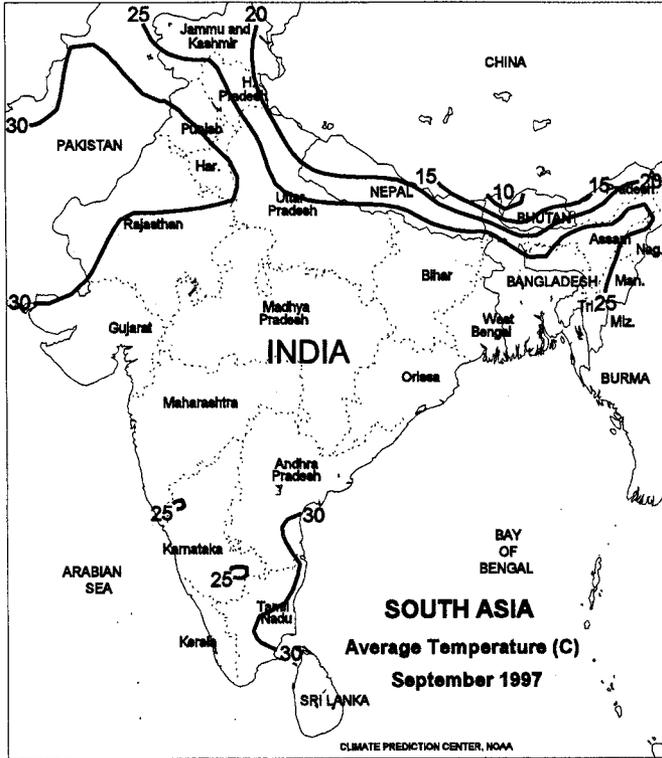




SOUTH ASIA

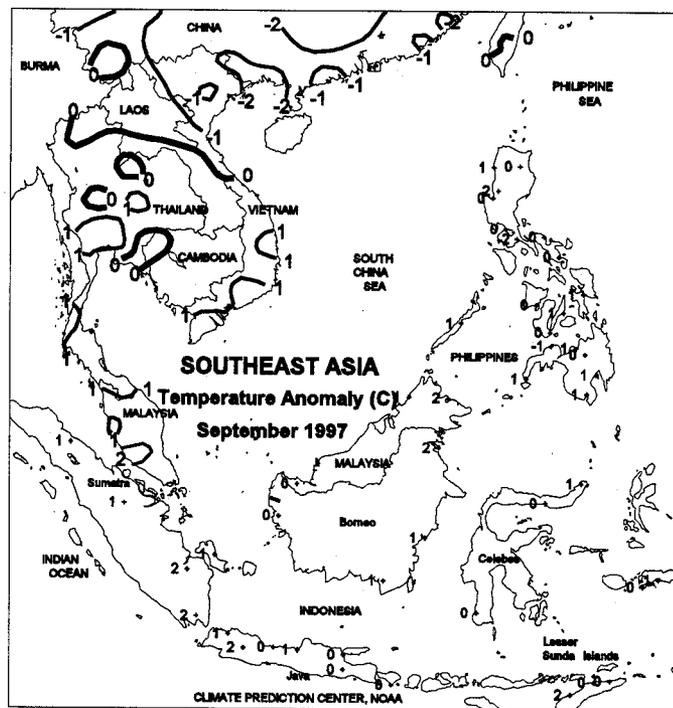
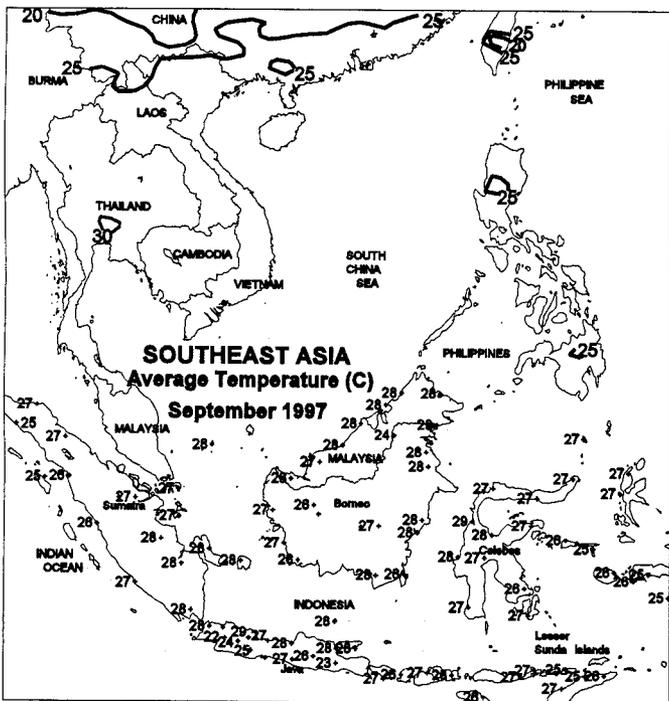
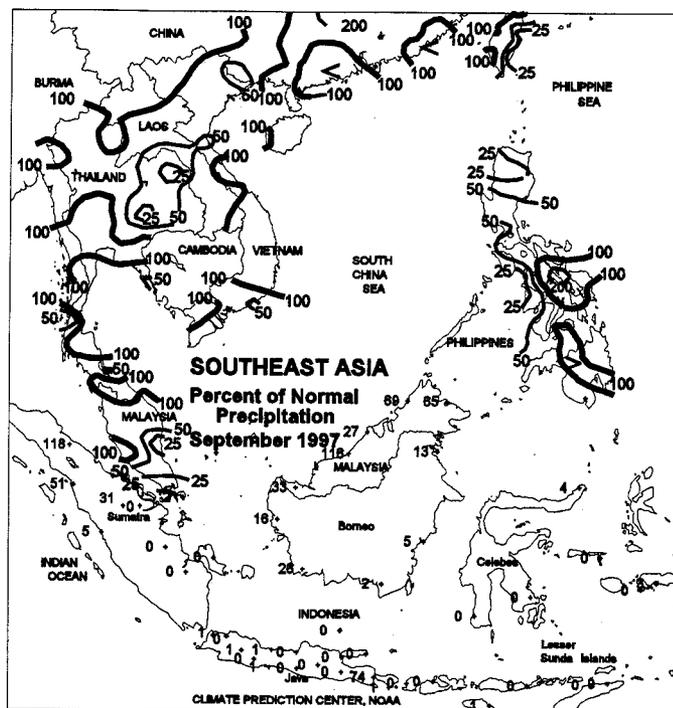
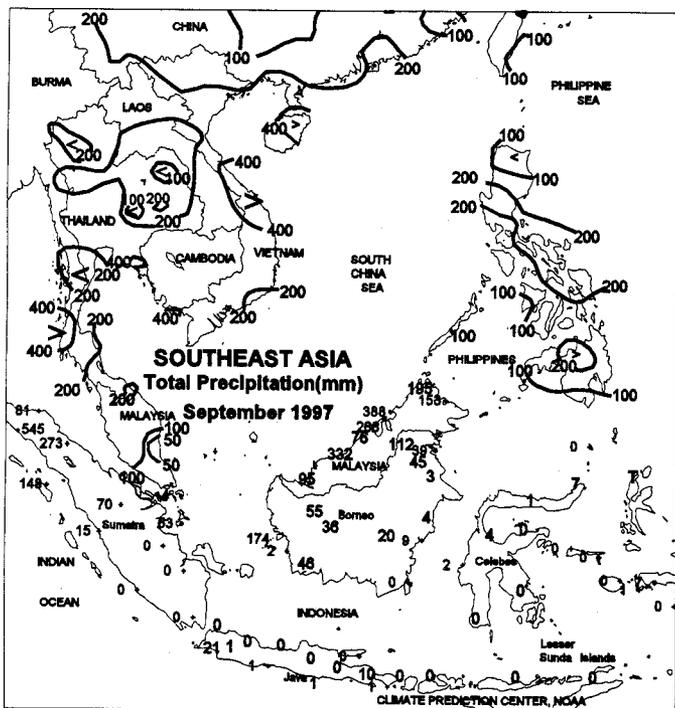
The southwest monsoon was withdrawn from most of the region, with moderate showers (25-50 mm or more) limited to India's southern tip. However, a few stray showers continued across central India, raising some local concern for cotton quality. Presently, summer grains, oilseeds, and cotton are maturing, and winter grain and oilseed planting is underway. Autumn rice planting is also underway. During September, the monsoon began its seasonal withdrawal on schedule. Rainfall totaled near to below normal for the month over central and northern crop areas, but the timing of the rainfall was beneficial for coarse grains and oilseeds. Maharashtra received timely showers for cotton and sugarcane development but still trended below normal. Unfortunately, some northern cotton regions received late-season rainfall as crops were maturing. September rainfall was near to above normal across the south and east, maintaining adequate to abundant moisture reserves for rice and other autumn-planted crops. Rainfall was especially welcomed in Andhra Pradesh, which had received consistently below-normal rainfall for much of the season.

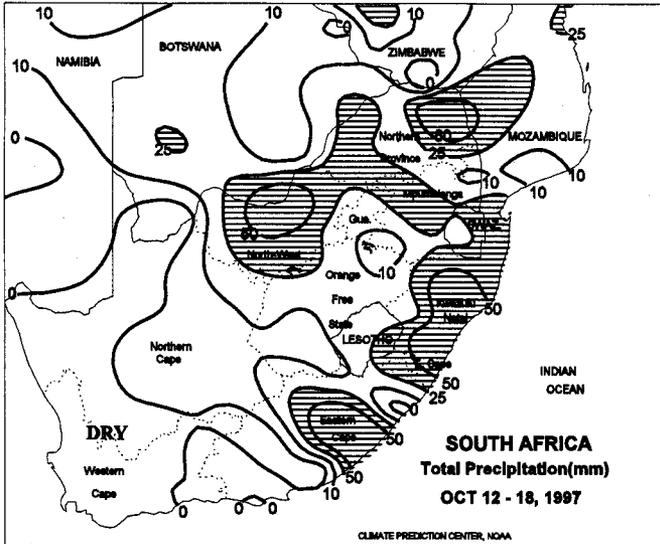




SOUTHEAST ASIA

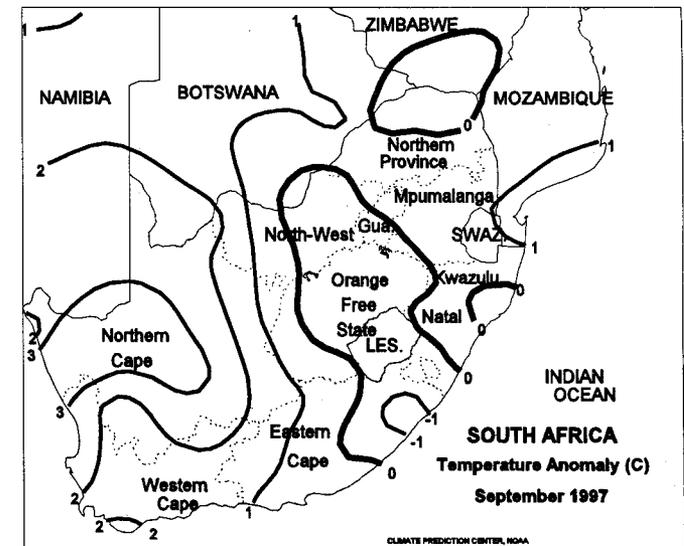
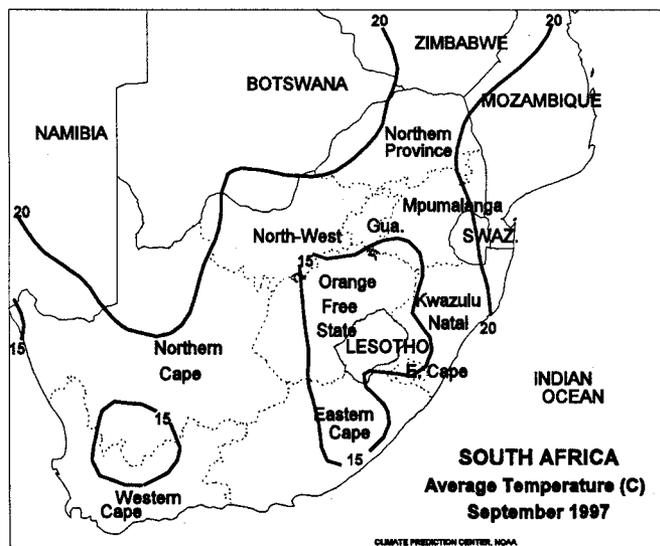
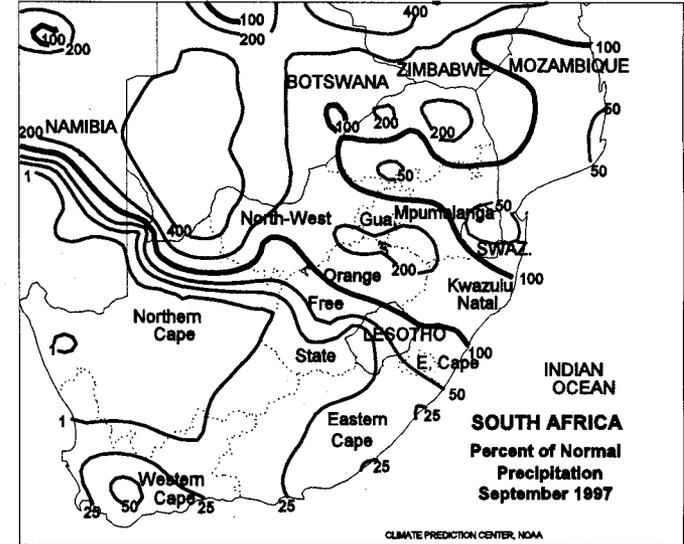
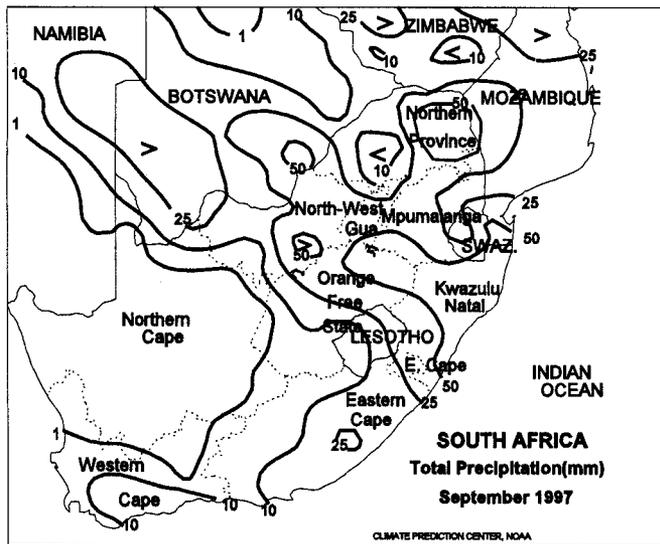
Isolated moderate showers (10-30 mm) brought little drought relief to Java and southern Sumatra. Widespread rain is needed for main-season rice transplanting, which typically starts by mid-October. In the Philippines, Typhoon Ivan hit extreme northern Luzon on October 19 with sustained winds of 130 knots (150 mph). Heavy rain (over 100 mm) and strong winds caused only local crop damage. The rainfall eased dryness in the region (rainfall will be reflected on next week's map). Elsewhere in the Philippines, rainfall remained unseasonably light (15-50 mm). Moderate showers (20-75 mm) slowed rice harvesting in eastern Thailand and northern Vietnam. During September, drought intensified across Java and southern Sumatra, where only scattered rainfall (1-30 mm) was reported. Near-normal September rainfall prevailed across most of Thailand and Vietnam, with eastern Thailand reporting less than 50 percent of normal rainfall. Across the Philippines, rainfall continued to average below-normal except for pockets of near-normal rainfall in the central islands.

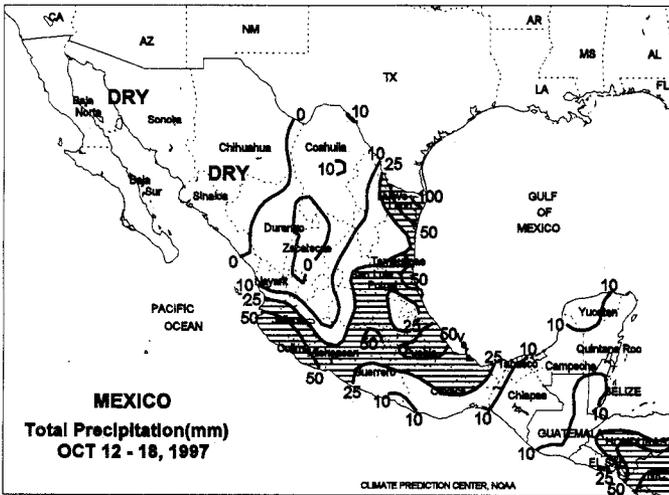




SOUTH AFRICA

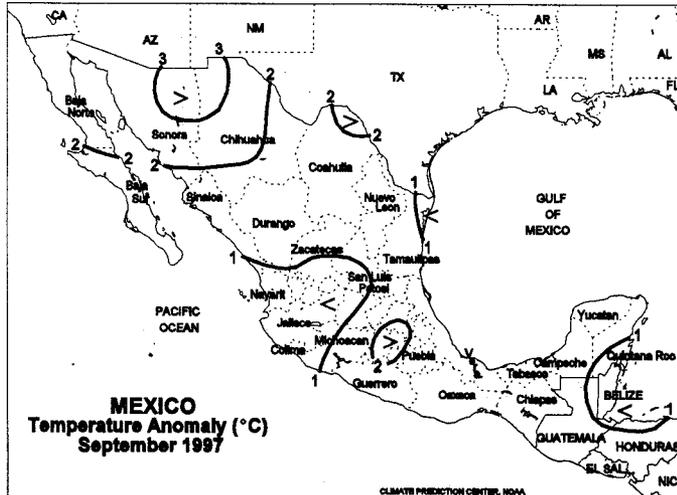
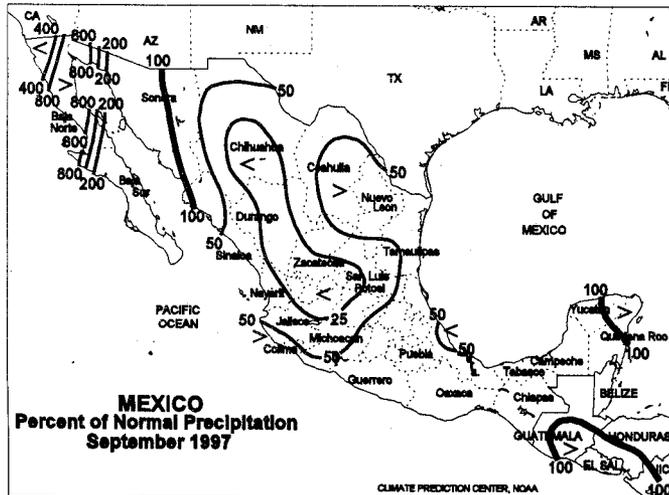
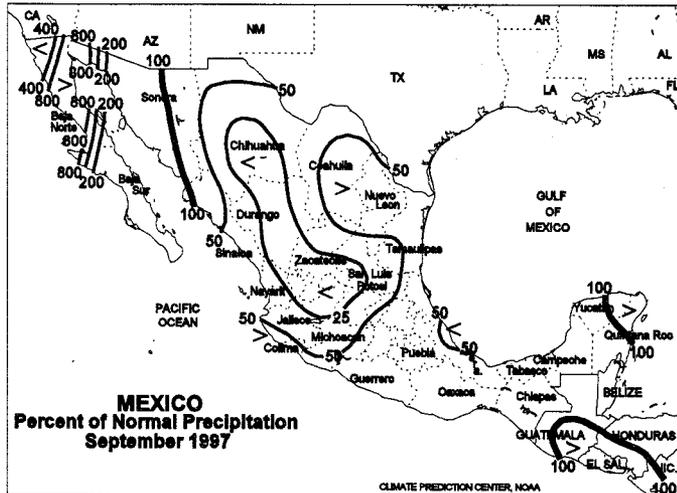
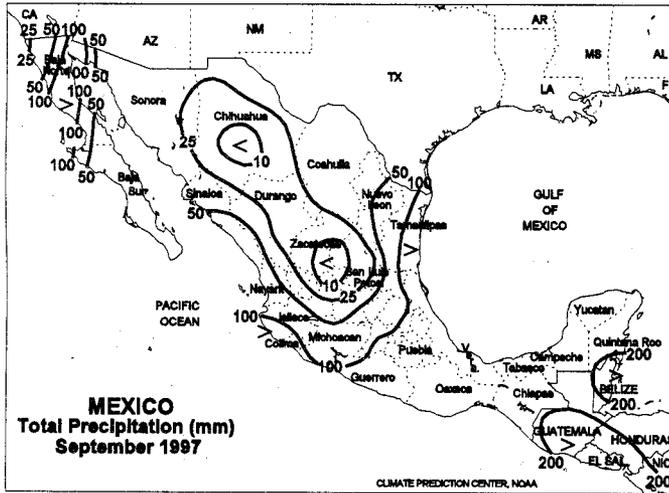
Beneficial rain (10-25 mm or more) swept across the corn belt, boosting topsoil moisture for planting. The rain and accompanying lower temperatures (2-5 degrees C below normal) in this region also brought some relief from a spell of unseasonable warmth and dryness. Elsewhere, moderate to heavy showers (25-50 mm or more) benefited coastal sugarcane, but continuing warm, dry weather hastened winter wheat maturity in Western Cape Province. In September, rainfall was near to above normal from the northern and eastern corn belt to sugarcane areas along the coast of Kwazulu-Natal. Dry conditions dominated the southwestern half of Orange Free State. Corn planting can typically last into early January, but this year's concern with a potential El Niño-induced drought may spur early planting where supporting moisture supplies exist. In Western Cape, warm, dry weather during September reduced moisture for immature winter wheat and accelerated development.

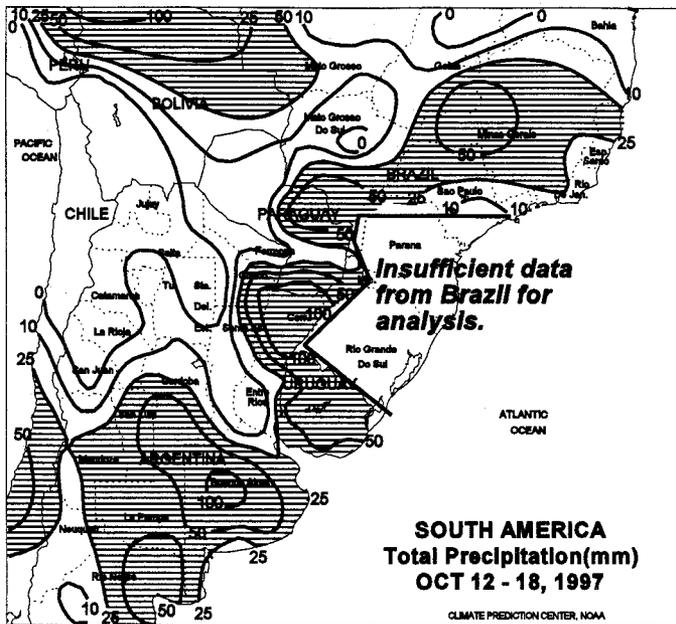




MEXICO

Moderate showers (10-50 mm) favored late-filling corn across the eastern Corn Belt, as lighter showers (5-15 mm) prevailed across the west. Drier weather (less than 10 mm) eased flooding due to Hurricane Pauline across extreme southern Mexico. During September, below-normal rainfall reduced moisture supplies for corn and reservoirs across northern and central Mexico. Much-above-normal rainfall (200-800 percent of normal) boosted moisture supplies across northwestern Mexico, due to minimal Hurricane Nora on September 25. Monthly temperatures averaged 1 to 2 degrees C above normal.





SOUTH AMERICA

In southern Brazil, moderate to heavy showers (estimated from satellite reports due to missing data on October 13-16) slowed soybean and corn planting and winter wheat harvesting in Rio Grande do Sul and Parana. Farther north in Mato Grosso and Goias, showers (25-75 mm) boosted soil moisture for soybean planting. In central Argentina, widespread rain (20-70 mm, with isolated amounts greater than 125 mm) boosted soil moisture for summer crops and reproductive to filling winter wheat. However, the moisture did slow corn and sunflower planting. According to reports as of October 10, corn and sunflower planting was ahead of last year's pace, at 33 and 11 percent complete, respectively. Moderate to heavy showers (40-125 mm) boosted moisture supplies for cotton planting in northern Argentina. Temperatures averaged 1 to 3 degrees C below normal in Argentina and slightly above normal in southern Brazil. During September, near- to above-normal rainfall favored reproductive to filling winter wheat across southern Brazil and vegetative winter wheat in central Argentina. However, below-normal rainfall prevailed across Santa Fe, Argentina, reducing soil moisture for vegetative wheat.

