

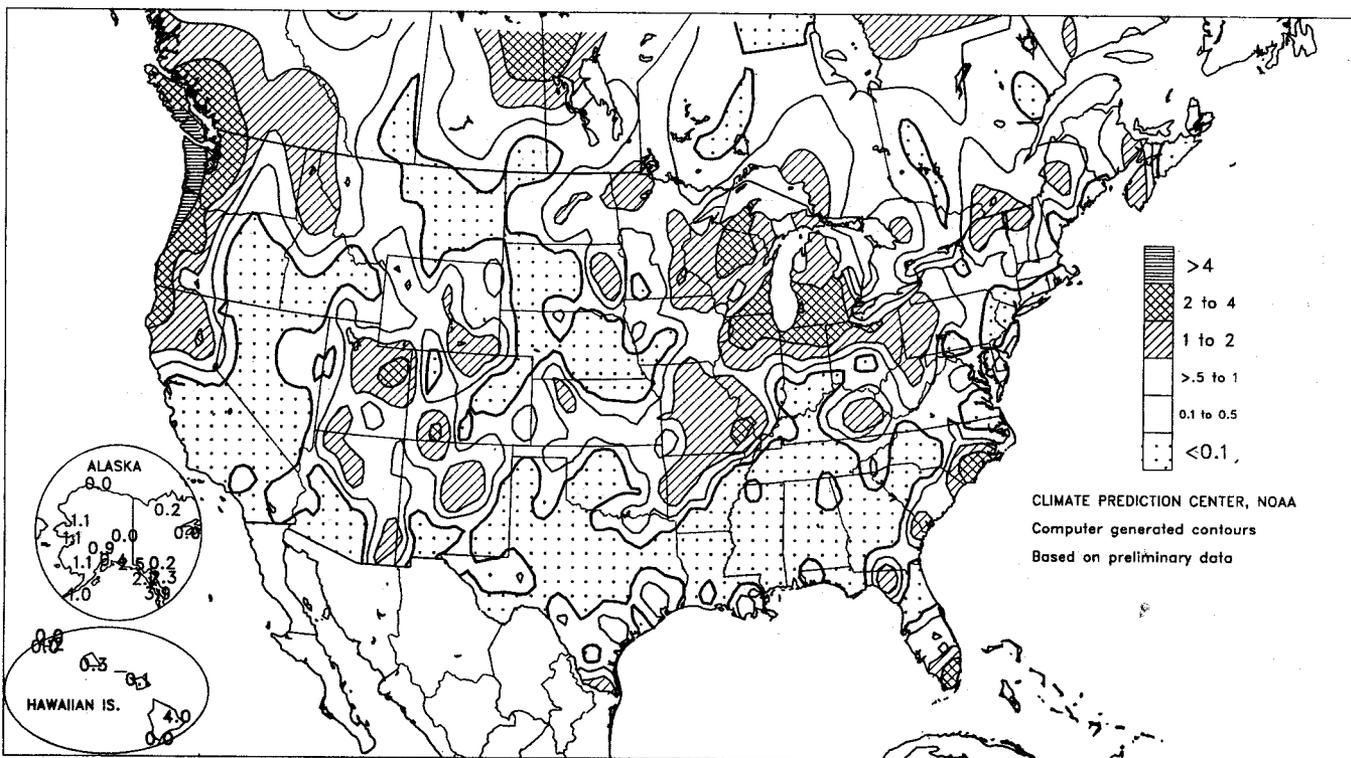
# WEEKLY WEATHER AND CROP BULLETIN

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)

SEP 14 - 20, 1997



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

## HIGHLIGHTS

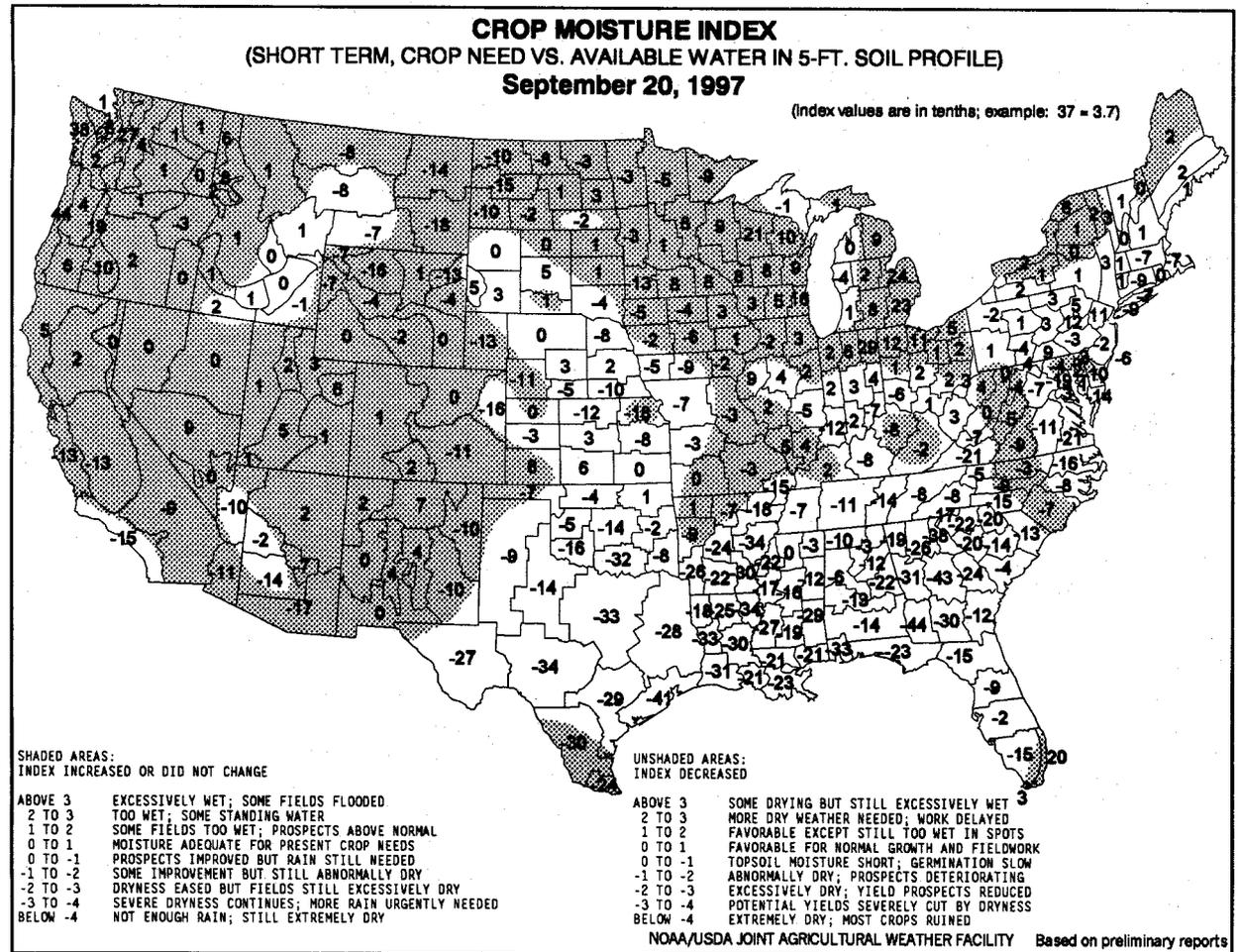
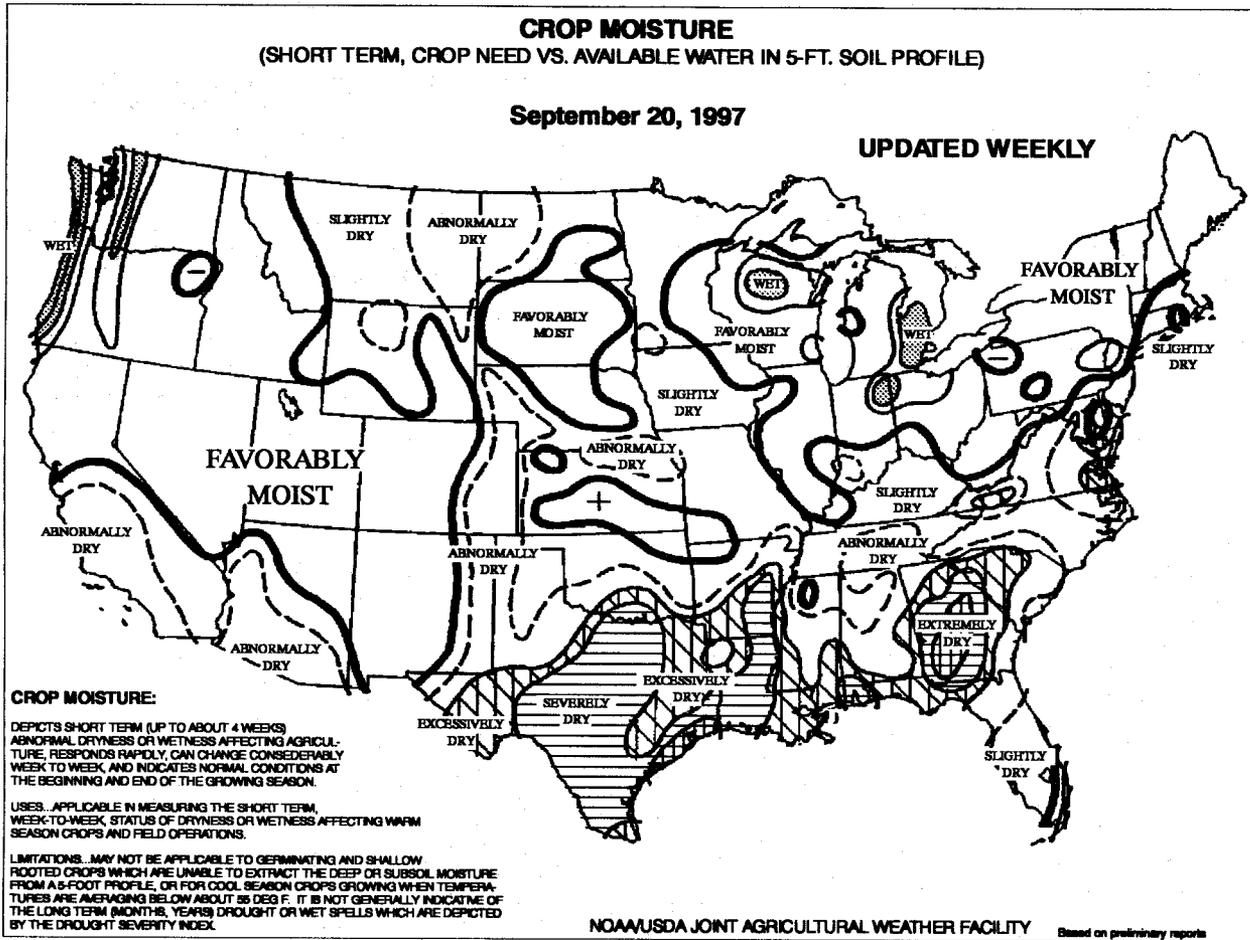
September 14 - 20, 1997

**T**wo storm systems crossed the Nation, dumping heavy rain on the Northwest and sparking locally heavy thunderstorms across the Midwest. In the wake of the second storm, a high-pressure system unleashed the coldest air of the season on the Plains and Midwest. Hot weather, however, persisted through week's end across the South and East, where many areas remained in need of rain. Mostly dry weather prevailed on the Plains, while locally heavy rainfall continued in the Southwest. Weekly temperatures averaged up to 10°F above normal across the South and East, resulting in nearly three dozen daily-record highs. In contrast, readings

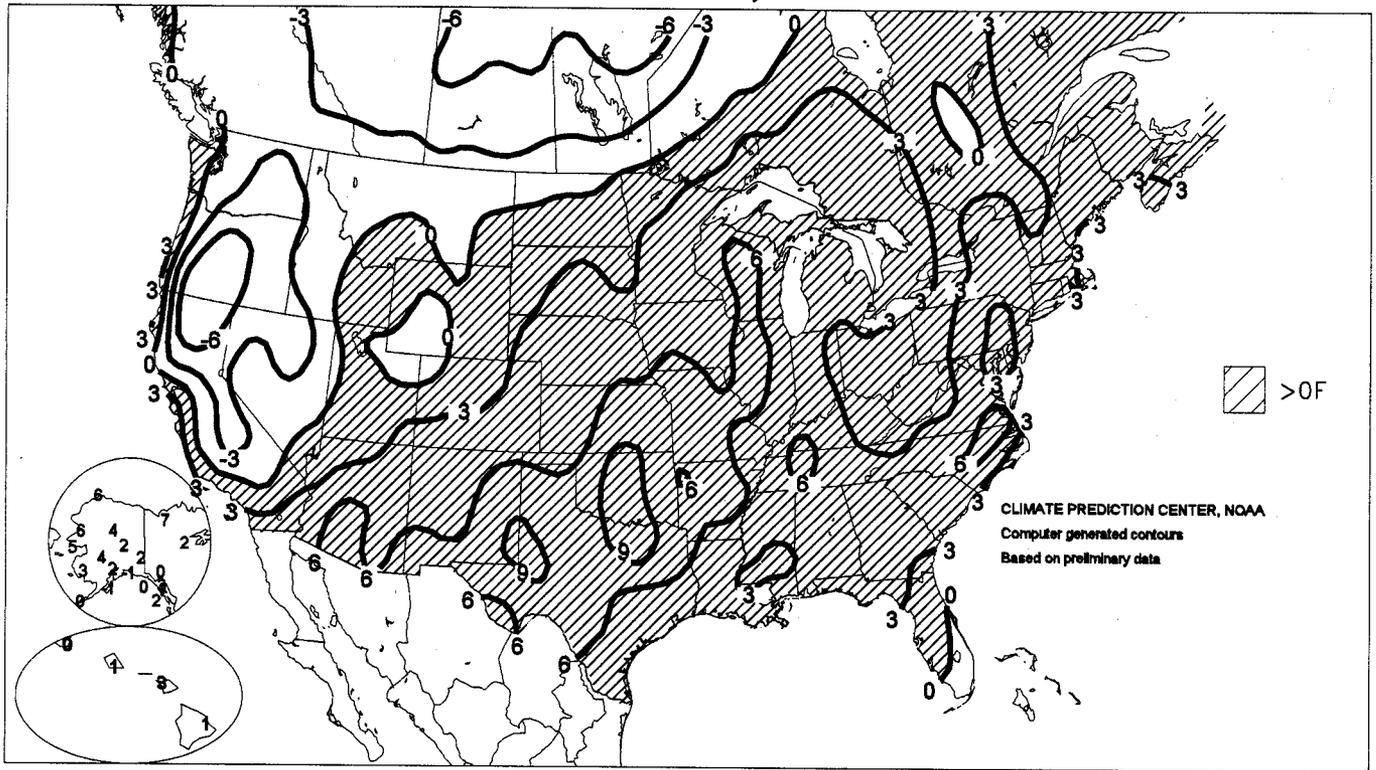
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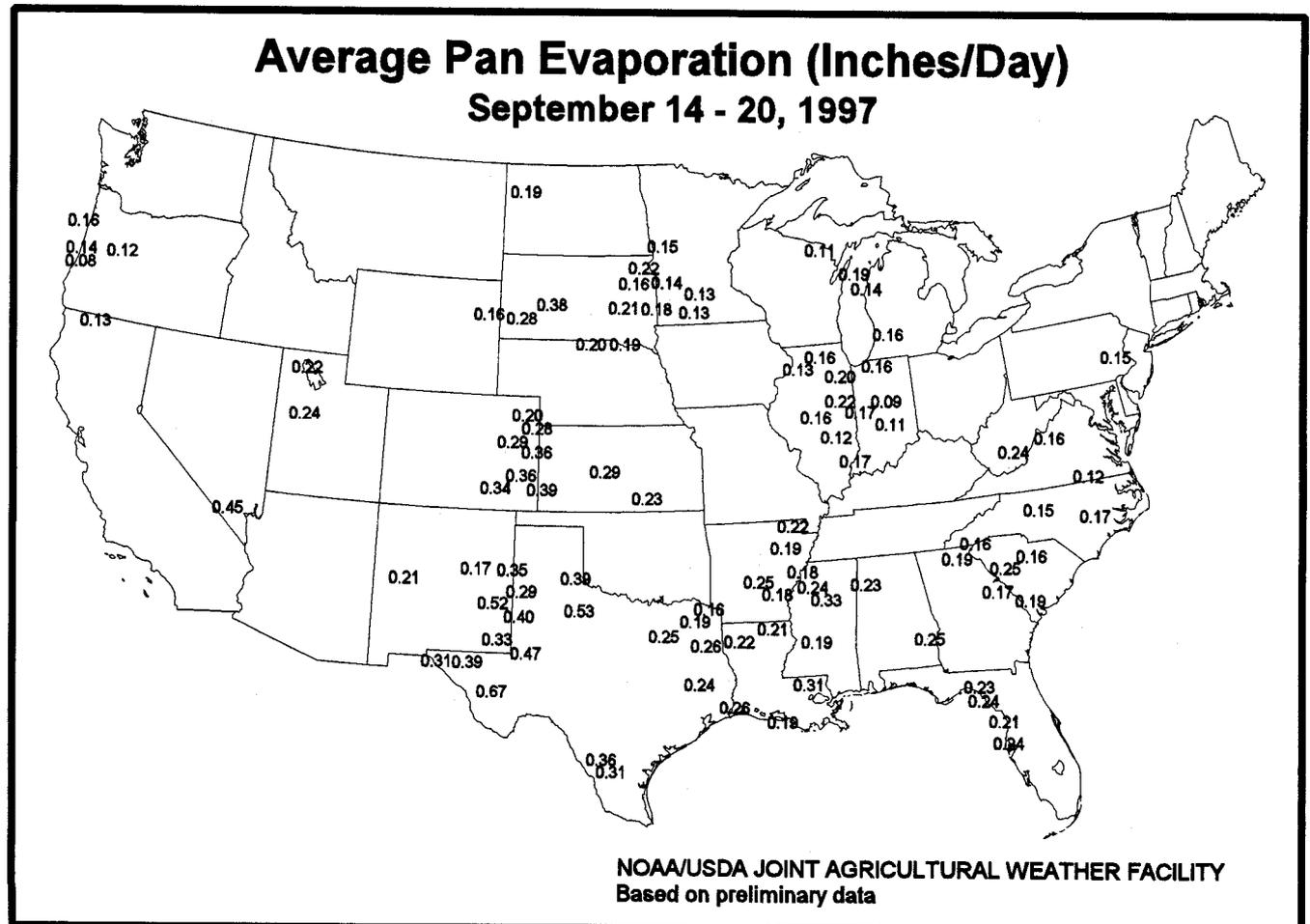
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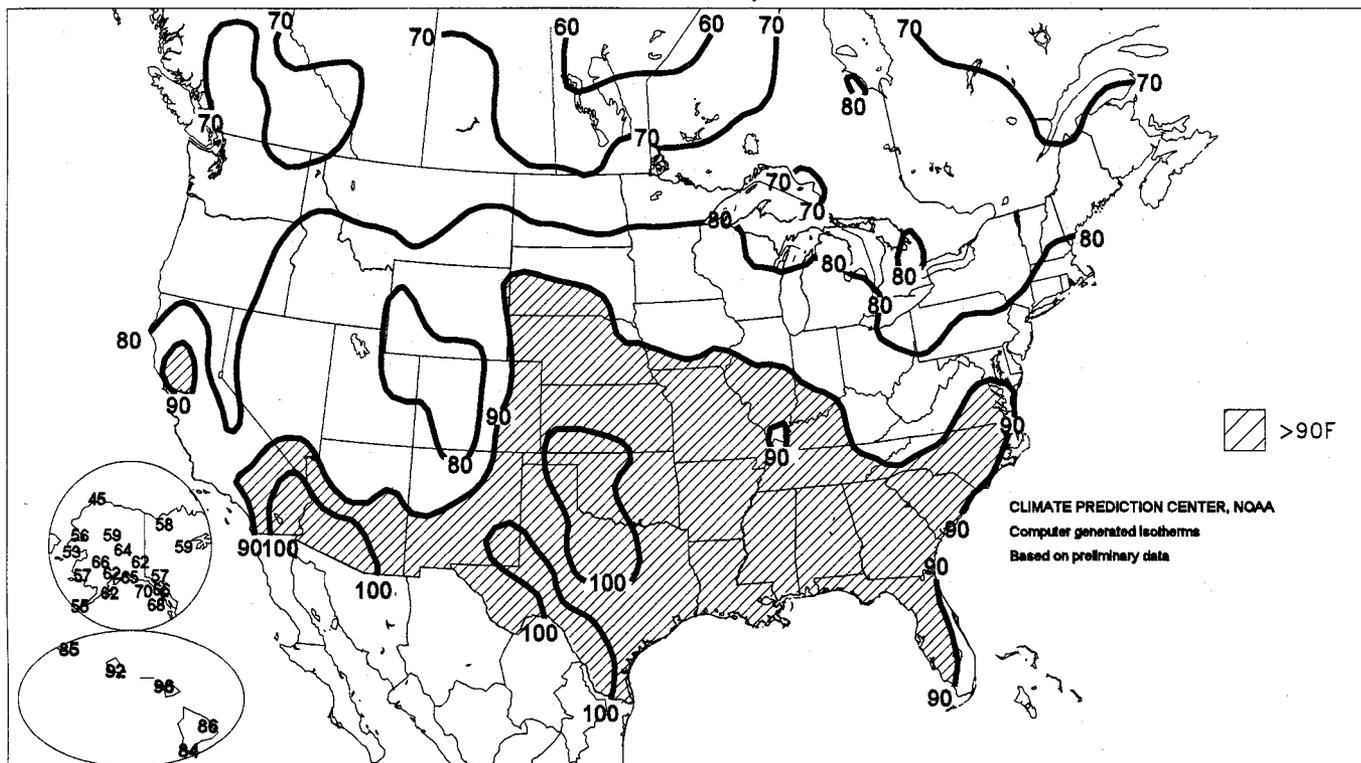
### Departure of Average Temperature from Normal (°F) SEP 14 - 20, 1997



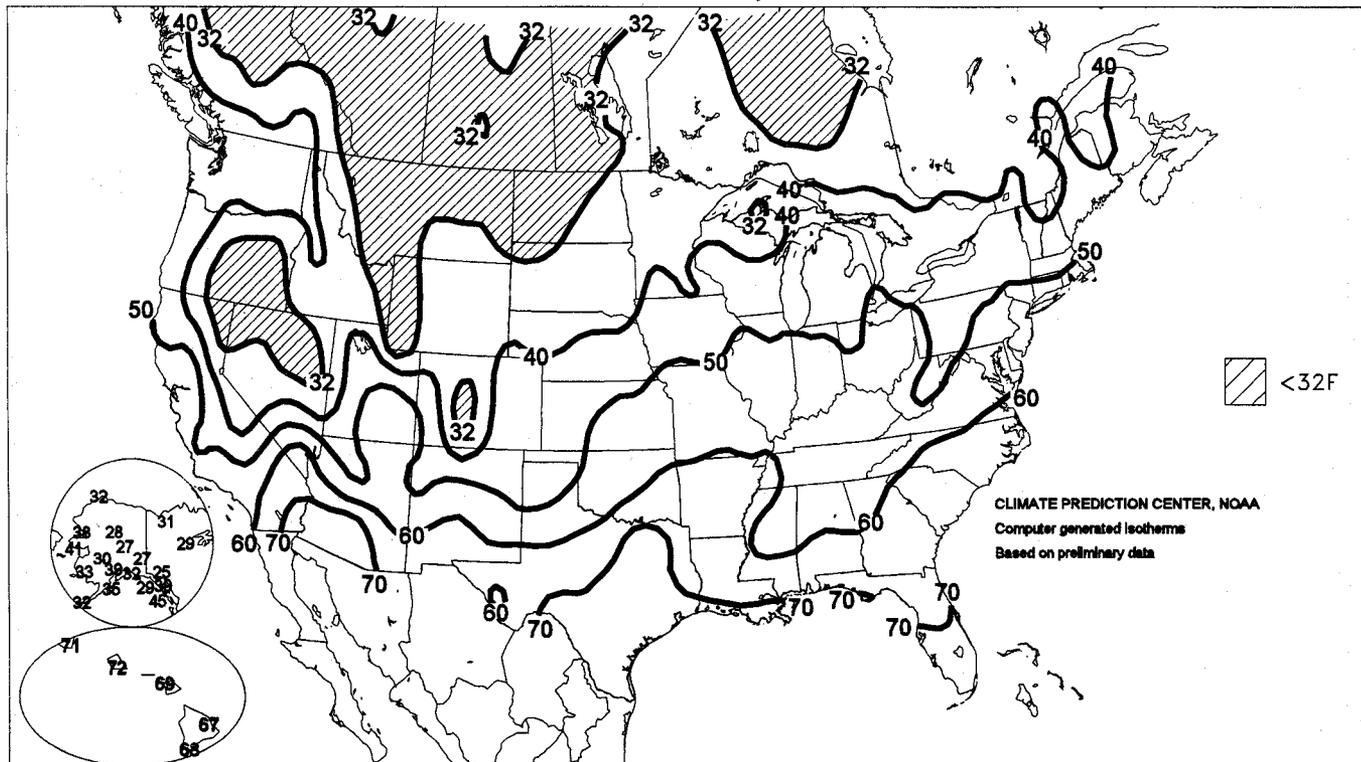
### Average Pan Evaporation (Inches/Day) September 14 - 20, 1997



### Extreme Maximum Temperature (°F) SEP 14 - 20, 1997



### Extreme Minimum Temperature (°F) SEP 14 - 20, 1997



*(Continued from front cover)*

averaged as much as 7°F below normal in the **Pacific Northwest**. The late-week cold snap delivered the season's first freeze, approximately on schedule, to parts of the **northern Plains**.

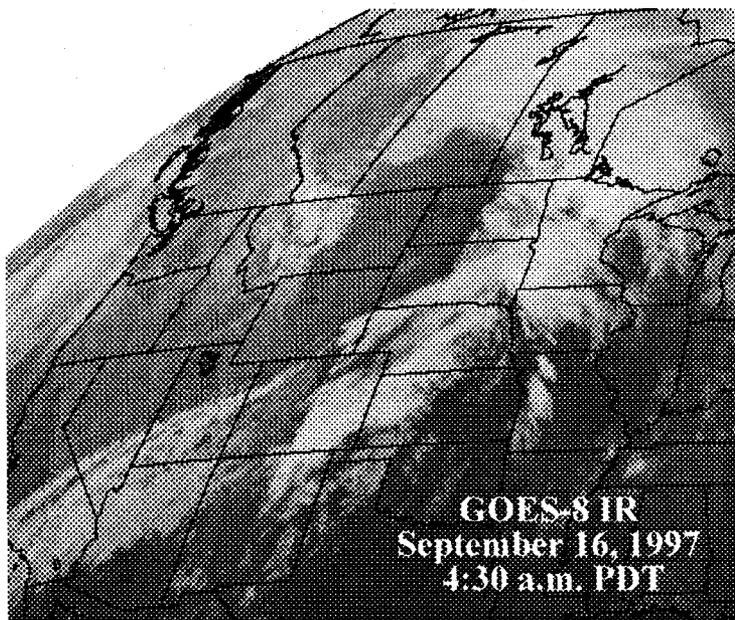
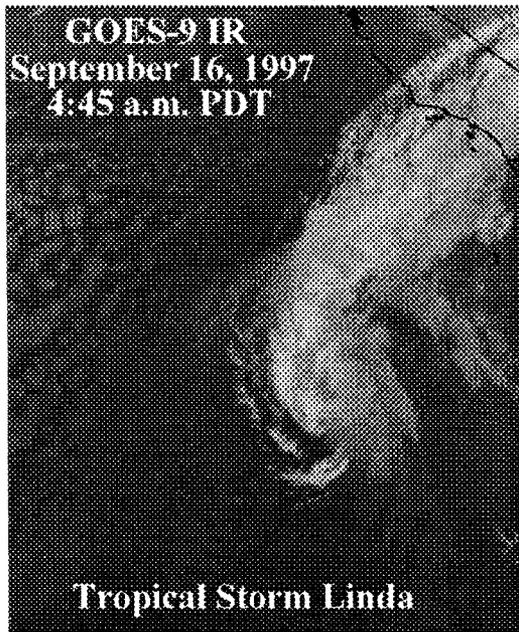
Early in the week, a storm traversing the **Western and Central States** stripped moisture from former Hurricane Linda. In **San Diego, CA**, 0.05 inches of rain fell on Monday, ending a record-tying 164-day (April 4 to September 14) streak without measurable precipitation. Their record was first set in 1915 and first tied in 1924. Linda's moisture also enhanced rainfall across the **upper Midwest**, where **Minneapolis, MN** netted a daily-record total (1.97 inches) on Tuesday.

The second storm reached the **Northwest** on Tuesday, lashing **Astoria, OR** with 2.67 inches of rain, a September single-day record, and southerly wind gusts to 53 mph. Gusts to 70 mph were reported in nearby **Cannon Beach, OR**. Farther southeast, **Midland, TX** notched their first of three consecutive daily-record highs (99, 101, and 98°F). **Wichita Falls, TX** recorded a maximum of 103°F on Wednesday. A day later, highs in **Kansas** soared to 105°F in **Ashland** and 101°F in **Dodge City**. Also in **Kansas**, **Wichita's** high of 100°F represented their first triple-digit heat since July 1 and only second such day this year. In **Corpus Christi, TX**, highs reached or exceeded 90°F on 19 of the first 20 days in September, including a daily-record maximum of 98°F on the 17th.

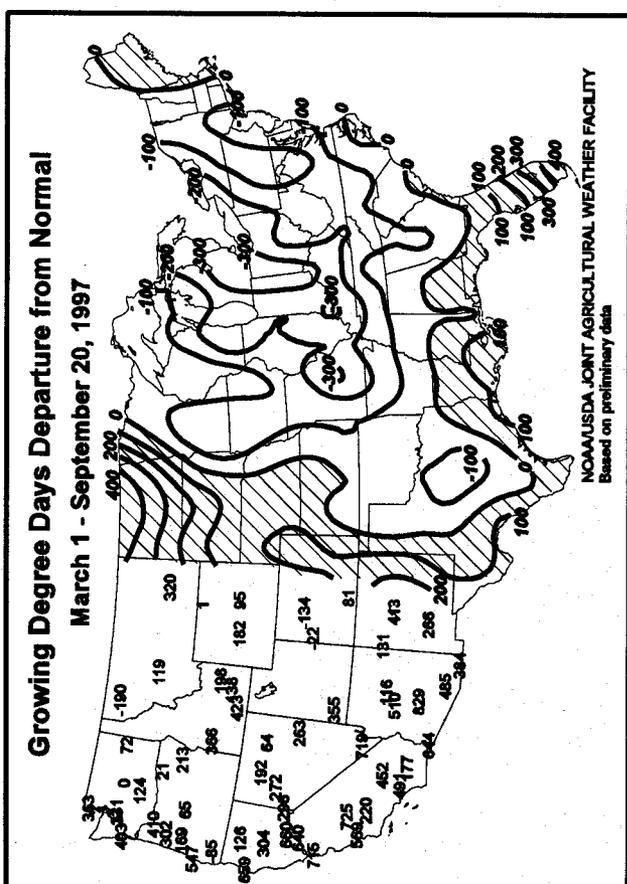
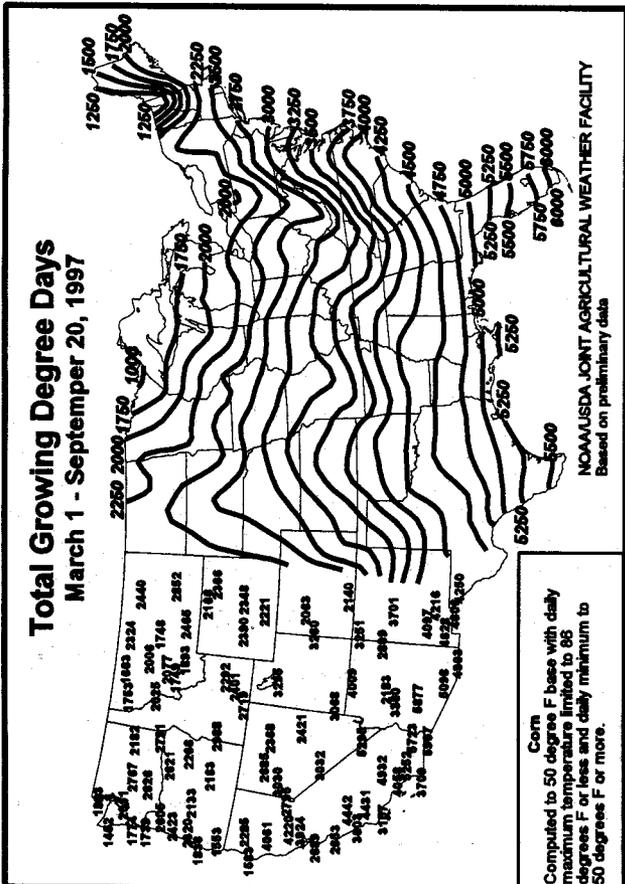
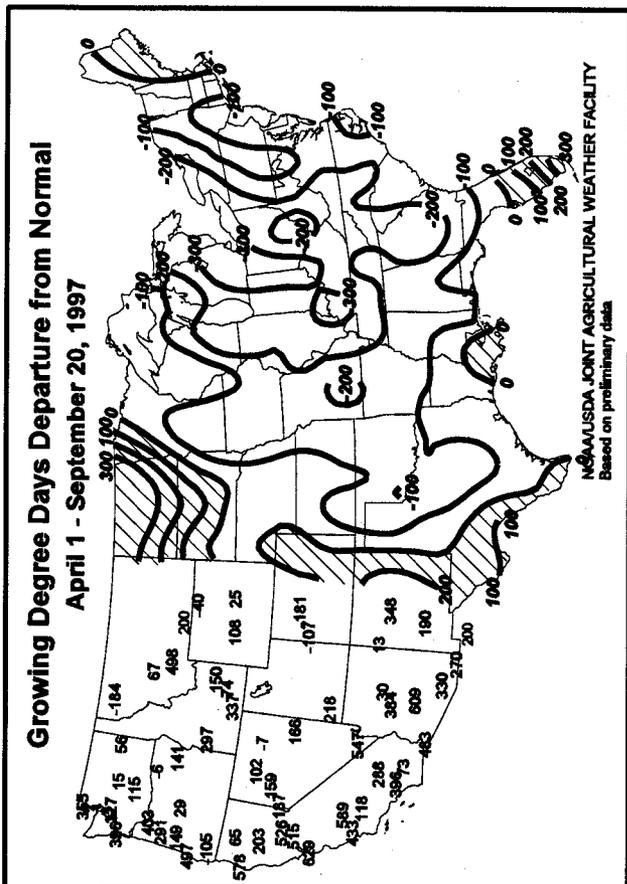
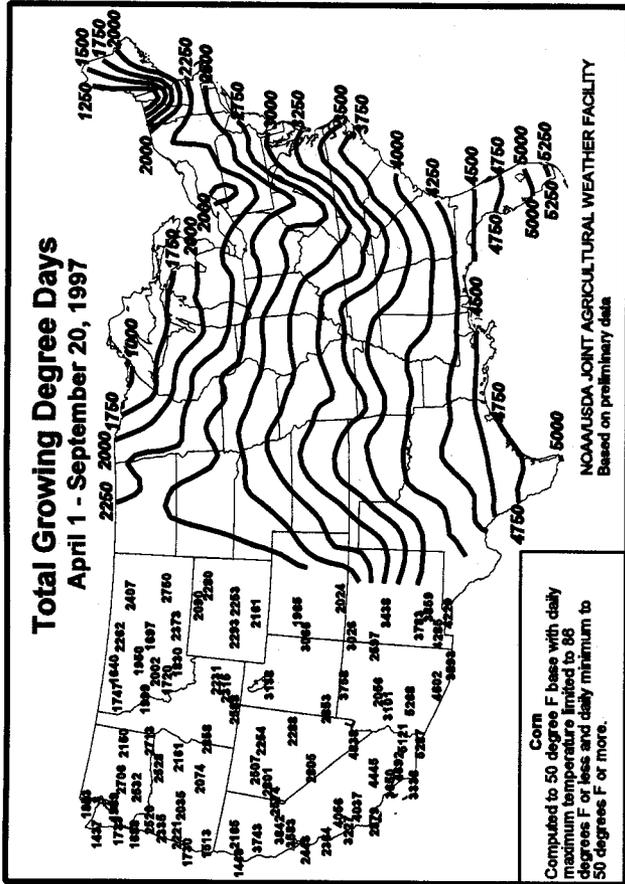
Record warmth spread into the **Southeast** toward week's end as a strong cold front pressed toward the region. **Columbus, GA** posted consecutive daily-record highs (96 and 97°F) on September 19-20. In contrast, lows on Friday in **Montana** dipped to 26°F in **Havre** and **Jordan**. A day later in **North Dakota**, minima included 21°F in **Hettinger** and 26°F in **Williston**. **Aberdeen, SD** reported 31°F. *(On Sunday morning, September 21, frost in agricultural areas was confined to the northwestern Corn Belt, having no significant impact on crops. In northern Iowa, Sioux City tallied a daily-record low of 32°F and Mason City reported 31°F.)*

At week's end, a developing storm over the **Intermountain West** fueled heavy precipitation, including the season's first snowfall at some higher elevations. During a 48-hour period ending on Sunday morning, September 21, **Steamboat Springs, CO** measured 4.75 inches of rain. Heavy rain also developed in parts of **New Mexico**, where 24-hour totals on September 20-21 reached 1.93 inches in **Clovis** and 1.48 inches in **Truth or Consequences**. Meanwhile, an upper-level disturbance approached **southern Texas** at week's end, allowing beneficial showers to spread inland.

Near- to above-normal temperatures persisted in **Alaska** (departures of -1 to +6°F) and **Hawaii** (0 to +3°F). Maxima included a monthly record-tying 96°F in **Kahului, HI** on Sunday, and a daily-record high of 67°F in **Juneau, AK** on Monday. Wet weather prevailed in **western and southern Alaska**.



A storm centered over the **Canadian Prairies**, right, taps moisture from the remnants of Hurricane Linda, left. The tropical moisture contributed to a daily-record rainfall (1.97 inches) in **Minneapolis, Minnesota**, a day after ending a record-tying 164-day dry spell in **San Diego, California**.



# National Weather Data for Selected Cities

See Note on Backcover  
Weather Data for the Week Ending September 20, 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	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	84	64	97	57	79	5	0.00	-0.93	0.00	0.46	17	38.06	83	88	33	6	0	0	0
AL HUNTSVILLE	91	63	94	57	77	5	0.00	-0.96	0.00	0.91	33	39.40	84	82	37	5	0	0	0
AL MOBILE	93	69	94	68	81	3	0.00	-1.37	0.00	1.14	27	60.42	121	96	41	7	0	0	0
AL MONTGOMERY	84	63	97	60	79	2	0.00	-0.97	0.00	1.28	48	33.40	83	96	31	7	0	0	0
AK ANCHORAGE	58	42	82	38	50	2	0.37	-0.26	0.34	1.83	90	13.98	129	83	62	0	0	2	0
AK BARROW	39	34	45	31	37	6	0.00	-0.14	0.00	0.48	112	4.50	135	98	84	0	1	0	0
AK FAIRBANKS	59	36	84	27	47	2	0.00	-0.20	0.00	0.46	67	4.29	63	94	45	0	2	0	0
AK JUNEAU	60	44	86	38	52	3	-	-	-	-	-	-	98	69	0	0	0	-	-
AK KODIAK	58	42	82	36	49	0	1.40	-0.28	0.77	2.28	50	42.18	83	94	84	0	0	3	2
AK NOME	51	44	53	40	47	5	1.13	0.56	0.37	1.61	94	12.48	114	91	78	0	0	5	0
AZ FLAGSTAFF	72	48	76	43	60	3	0.28	-0.18	0.12	1.82	127	10.83	67	94	48	0	0	5	0
AZ PHOENIX	102	83	105	80	92	7	-	-	-	-	-	-	56	27	7	0	0	-	-
AZ PRESCOTT	81	59	84	54	70	6	0.19	-0.25	0.15	1.54	104	11.18	75	82	38	0	0	2	0
AZ TUCSON	98	74	101	72	86	5	0.00	-0.38	0.00	1.23	104	6.61	78	71	30	7	0	0	0
AZ YUMA	100	81	103	78	91	4	0.00	-0.06	0.00	0.52	226	1.09	51	82	29	7	0	0	0
AR FORT SMITH	90	69	95	68	79	6	-	-	-	-	-	-	95	57	4	0	0	-	-
AR LITTLE ROCK	95	69	99	66	82	8	0.10	-0.86	-	0.63	23	43.68	127	82	40	6	0	0	0
CA BAKERSFIELD	84	60	89	57	72	-5	0.00	-0.03	0.00	0.00	0	2.99	74	86	34	0	0	0	0
CA EUREKA	70	53	75	49	62	5	-	-	-	-	-	-	90	82	0	0	0	-	-
CA FRESNO	85	60	90	56	72	-2	-	-	-	-	-	-	78	28	1	0	0	-	-
CA LOS ANGELES	81	67	85	61	74	4	0.00	-0.08	0.00	0.00	0	5.63	69	86	51	0	0	0	0
CA REDDING	78	56	89	49	67	-7	1.64	1.43	1.58	1.64	322	19.54	98	79	35	0	0	3	1
CA SACRAMENTO	85	67	93	62	71	-	0.08	-	0.06	0.08	-	9.59	-	84	29	1	0	2	0
CA SAN DIEGO	82	69	84	56	75	4	-	-	-	-	-	-	82	65	0	0	0	-	-
CA SAN FRANCISCO	78	58	85	57	67	3	0.00	-0.04	0.00	0.00	0	9.37	78	84	48	0	0	0	0
CA ALAMOSA	74	43	79	39	59	4	-	-	-	-	-	-	92	32	0	0	0	-	-
CA CO SPRINGS	78	52	86	41	64	4	0.42	0.14	0.33	1.47	144	21.50	162	70	36	0	0	2	0
CA DENVER	78	50	88	43	64	2	0.14	-0.14	0.12	0.92	108	17.72	142	72	32	0	0	2	0
CA GRAND JUNCTION	79	57	83	53	68	1	-	-	-	-	-	-	88	43	0	0	0	-	-
CA PUEBLO	83	53	93	46	68	2	-	-	-	-	-	-	87	29	3	0	0	-	-
CT BRIDGEPORT	79	59	81	54	69	3	0.00	-0.72	0.00	0.29	14	27.32	90	86	50	0	0	0	0
CT HARTFORD	81	54	85	50	67	4	-	-	-	-	-	-	92	48	0	0	0	-	-
DC WASHINGTON	85	63	90	60	74	3	0.24	-0.52	0.24	0.89	39	23.06	81	89	45	1	0	1	0
DE WILMINGTON	81	58	83	53	70	2	0.23	-0.57	0.23	1.42	61	19.38	84	92	50	0	0	1	0
FL DAYTONA BEACH	88	71	88	70	79	0	0.35	-1.14	0.35	3.19	73	37.03	102	99	61	0	0	1	0
FL JACKSONVILLE	90	69	92	67	80	1	0.03	-1.62	0.03	0.16	3	36.21	87	96	53	5	0	1	0
FL KEY WEST	85	75	87	73	80	-3	-	-	-	-	-	-	91	70	0	0	0	-	-
FL MIAMI	86	75	89	73	80	-2	-	-	-	-	-	-	93	69	0	0	0	-	-
FL ORLANDO	92	70	93	67	81	0	-	-	-	-	-	-	99	52	7	0	0	-	-
FL TAMPA	91	74	93	73	83	2	-	-	-	-	-	-	91	50	6	0	0	-	-
FL VALPARAISO/EGLIN	92	72	93	70	82	5	0.00	-1.63	0.00	0.22	4	48.40	97	88	43	7	0	0	0
FL WEST PALM BEACH	87	74	88	73	81	-1	-	-	-	-	-	-	93	64	0	0	0	-	-
GA ATHENS	90	64	94	61	77	4	-	-	-	-	-	-	94	43	3	0	0	-	-
GA ATLANTA	90	66	95	60	78	5	-	-	-	-	-	-	83	38	3	0	0	-	-
GA AUGUSTA	92	65	99	63	78	4	0.00	-0.68	0.00	0.70	33	29.78	85	99	42	6	0	0	0
GA COLUMBUS	94	66	97	65	80	4	-	-	-	-	-	-	82	32	7	0	0	-	-
GA MACON	94	62	99	61	78	3	-	-	-	-	-	-	95	31	7	0	0	-	-
GA SAVANNAH	90	70	93	66	80	3	-	-	-	-	-	-	100	61	3	0	0	-	-
HI HILO	85	70	86	67	78	1	4.03	2.06	0.91	6.59	116	100.10	111	93	63	0	0	7	5
HI HONOLULU	90	75	92	72	83	1	0.31	0.12	0.24	0.39	98	15.83	126	82	53	3	0	4	0
HI KAHULUI	90	74	96	69	82	3	-	-	-	-	-	-	86	53	4	0	0	-	-
HI LIHUE	84	75	85	71	79	0	-	-	-	-	-	-	85	65	0	0	0	-	-
ID BOISE	72	49	88	41	61	-2	-	-	-	-	-	-	74	28	0	0	0	-	-
ID LEWISTON	69	50	79	44	59	-4	0.58	0.39	0.25	0.98	178	12.06	135	86	47	0	0	4	0
ID POCATELLO	71	46	86	34	59	0	-	-	-	-	-	-	75	29	0	0	0	-	-
IL CHICAGO/O'HARE	80	58	85	50	69	5	-	-	-	-	-	-	97	49	0	0	0	-	-
IL MOLINE	81	61	89	53	71	8	2.36	1.42	2.28	3.00	108	29.34	97	94	59	0	0	2	1
IL PEORIA	82	62	88	53	72	6	1.04	0.11	0.82	2.91	111	25.25	93	91	53	0	0	3	1
IL ROCKFORD	80	58	87	48	69	6	1.47	0.58	0.85	1.66	63	23.42	86	94	49	0	0	3	2
IL SPRINGFIELD	85	63	92	54	74	7	0.82	-0.16	0.48	3.03	133	21.54	82	89	50	2	0	4	0
IN EVANSVILLE	84	60	92	54	72	3	-	-	-	-	-	-	94	51	1	0	0	-	-
IN FORT WAYNE	79	55	83	51	67	2	-	-	-	-	-	-	94	53	0	0	0	-	-
IN INDIANAPOLIS	81	59	87	54	70	4	0.08	-0.58	0.08	1.19	60	27.91	94	92	53	0	0	1	0
IN SOUTH BEND	78	59	83	47	68	5	1.46	0.61	0.86	2.28	93	26.12	92	94	53	0	0	4	2
IA BURLINGTON	-	-	-	-	-	-	0.87	-0.31	-	1.10	39	25.44	82	-	-	-	-	-	-
IA CEDAR RAPIDS	-	-	-	-	-	-	0.49	-0.43	-	1.20	44	19.81	74	-	-	-	-	-	-
IA DES MOINES	79	58	89	49	69	4	-	-	-	-	-	-	94	54	0	0	0	-	-
IA DUBUQUE	78	57	82	48	67	5	-	-	-	-	-	-	95	65	0	0	0	-	-
IA SIOUX CITY	79	53	89	40	66	3	0.00	-0.68	0.00	0.89	45	15.15	72	94	45	0	0	0	0
IA WATERLOO	78	54	82	41	66	4	-	-	-	-	-	-	93	54	0	0	0	-	-
KS CONCORDIA	85	61	94	51	73	6	-	-	-	-	-	-	86	39	2	0	0	-	-
KS DODGE CITY	86	61	101	48	73	5	0.16	-0.27	-	1.60	119	21.38	118	87	40	3	0	-	-
KS GOODLAND	82	54	95	43	68	4	0.03	-0.34	-	0.45	41	14.64	93	83	28	2	0	-	-
KS TOPEKA	86	62	93	52	74	6	0.13	-0.76	0.13	1.00	39	21.30	77	89	49	3	0	1	0

Based on 1961-90 normals

Weather Data for the Week Ending September 20, 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				
																90 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
KY	WICHITA	90	66	100	50	78	8	0.71	-0.12	0.71	0.96	40	27.16	117	84	40	6	0	1	1
	JACKSON	79	60	86	57	70	2	-	-	-	-	-	-	90	56	0	0	-	-	
LA	LEXINGTON	81	58	89	54	70	2	0.54	-0.20	0.54	2.08	94	49.73	148	91	50	0	0	1	1
	LOUISVILLE	85	63	92	58	74	5	-	-	-	-	-	-	85	46	1	0	-	-	
	PADUCAH	85	63	92	57	74	4	-	-	-	-	-	-	91	53	1	0	-	-	
	BATON ROUGE	93	68	94	66	80	2	0.00	-1.12	0.00	1.07	31	51.81	112	97	39	7	0	0	0
ME	LAKE CHARLES	93	72	94	71	83	5	-	-	-	-	-	-	97	47	7	0	-	-	
	NEW ORLEANS	92	73	93	71	82	4	0.00	-1.28	0.00	0.28	7	39.11	83	92	51	7	0	0	0
MD	SHREVEPORT	94	70	96	66	82	6	0.00	-0.74	0.00	0.27	14	50.02	153	92	44	7	0	0	0
	CARIBOU	89	47	76	39	58	5	-	-	-	-	-	-	97	58	0	0	-	-	
MA	PORTLAND	74	51	78	46	63	4	-	-	-	-	-	-	93	58	0	0	-	-	
	BALTIMORE	85	58	91	53	71	3	0.08	-0.71	0.08	0.91	39	26.33	88	95	42	1	0	2	0
MI	BOSTON	76	59	84	53	68	3	0.41	-0.31	0.41	0.90	44	22.00	76	90	58	0	0	1	0
	WORCESTER	74	56	77	47	65	5	0.16	-0.78	0.16	0.99	38	25.85	77	88	54	0	0	1	0
MN	ALPENA	73	50	79	41	61	4	-	-	-	-	-	-	94	55	0	0	-	-	
	GRAND RAPIDS	76	58	81	45	66	5	-	-	-	-	-	-	100	57	0	0	-	-	
	HOUGHTON LAKE	71	49	80	39	60	4	1.90	1.10	1.43	2.79	118	21.83	106	96	59	0	0	2	1
	LANSING	77	52	82	40	65	4	-	-	-	-	-	-	96	54	0	0	-	-	
MS	MARQUETTE	-	-	-	-	-	-	0.89	-0.09	-	1.00	37	24.27	98	-	-	-	-	-	
	MUSKEGON	74	55	82	46	64	4	-	-	-	-	-	-	99	57	0	0	-	-	
	DULUTH	86	50	78	37	58	4	-	-	-	-	-	-	94	65	0	0	-	-	
	INTL FALLS	85	45	77	33	55	2	0.97	0.23	0.83	1.65	76	13.09	67	93	51	0	0	3	1
MO	MINNEAPOLIS	74	54	81	42	64	4	-	-	-	-	-	-	93	66	0	0	-	-	
	ROCHESTER	73	53	81	42	63	4	-	-	-	-	-	-	93	64	0	0	-	-	
MT	ST. CLOUD	72	51	83	37	61	5	-	-	-	-	-	-	94	60	0	0	-	-	
	JACKSON	93	64	95	58	79	3	0.00	-0.83	0.00	0.62	26	43.06	107	96	35	7	0	0	0
NE	MERIDIAN	93	61	95	57	77	2	0.00	-0.83	0.00	0.96	40	42.96	102	98	36	6	0	0	0
	TUPELO	91	64	94	58	77	4	0.00	-0.85	0.00	0.70	29	52.02	129	94	42	5	0	0	0
	COLUMBIA	85	64	92	53	74	6	0.41	-0.50	0.39	1.11	43	27.72	95	93	58	2	0	2	0
	KANSAS CITY	85	63	93	52	74	7	-	-	-	-	-	-	90	50	2	0	-	-	
NV	SAINT LOUIS	86	68	93	61	77	7	0.94	0.20	0.94	2.41	115	24.72	90	86	54	2	0	1	1
	SPRINGFIELD	86	65	92	54	75	7	-	-	-	-	-	-	92	58	2	0	-	-	
	BILLINGS	72	44	81	34	58	-1	-	-	-	-	-	-	70	30	0	0	-	-	
	BUTTE	66	35	82	26	51	0	0.12	-0.18	0.10	0.44	49	17.48	173	87	27	0	2	2	0
OH	GLASGOW	69	42	77	30	55	-1	0.18	-0.05	-	0.38	54	10.53	112	80	34	0	1	-	-
	GREAT FALLS	66	41	72	32	54	-2	0.25	-0.03	0.19	0.26	30	12.69	101	78	35	0	2	2	0
	KALISPELL	61	44	74	33	52	0	-	-	-	-	-	-	88	58	0	0	-	-	
	MILES CITY	75	45	88	34	60	1	0.05	-0.25	0.05	0.13	16	9.11	79	84	24	0	0	1	0
OR	MISSOULA	66	40	78	33	53	-2	0.28	0.02	0.23	0.60	78	12.81	123	91	47	0	0	3	0
	GRAND ISLAND	80	57	92	45	68	5	-	-	-	-	-	-	89	44	2	0	-	-	
	LINCOLN	84	56	94	48	70	5	0.00	-0.82	0.00	0.33	14	16.83	73	91	42	2	0	0	0
	NORFOLK	79	55	89	40	67	4	0.00	-0.57	0.00	1.21	72	15.72	75	89	44	0	0	0	0
PA	NORTH PLATTE	79	51	91	40	65	5	0.00	-0.38	0.00	0.67	61	13.51	81	85	39	2	0	0	0
	OMAHA	80	57	90	47	69	4	0.03	-0.86	-	3.62	141	21.57	90	91	53	1	0	-	-
	SCOTTSBLUFF	78	49	93	40	63	3	0.78	0.53	0.77	0.89	125	18.06	140	81	35	2	0	2	1
	VALENTINE	80	52	93	39	66	5	0.52	0.17	0.24	1.47	134	19.35	116	83	38	2	0	3	0
RI	ELY	70	44	81	31	57	1	-	-	-	-	-	-	67	26	0	1	-	-	
	LAS VEGAS	91	73	98	68	82	2	0.00	-0.06	0.00	1.55	775	2.99	100	41	20	4	0	0	0
SC	RENO	73	43	77	36	58	-2	0.39	0.31	0.39	0.50	208	6.10	118	77	27	0	0	1	0
	WINNEMUCCA	74	40	86	32	57	-2	0.18	0.10	0.18	0.27	112	6.83	117	67	23	0	1	1	0
TX	CONCORD	78	48	81	41	63	5	0.10	-0.53	0.07	1.42	78	24.65	97	94	48	0	0	2	0
	NEWARK	82	61	85	57	71	3	0.06	-0.79	0.06	1.14	48	30.54	94	84	48	0	0	1	0
VA	ALBUQUERQUE	84	61	88	58	72	4	0.99	0.78	-	1.39	199	9.27	137	73	34	0	0	-	-
	ALBANY	76	52	77	47	64	3	-	-	-	-	-	-	97	62	0	0	-	-	
WV	BINGHAMTON	72	51	74	45	62	2	0.58	-0.19	0.30	1.62	72	21.44	80	96	58	0	0	2	0
	BUFFALO	74	56	78	49	65	3	-	-	-	-	-	-	94	60	0	0	-	-	
	ROCHESTER	74	53	78	48	64	2	0.68	0.00	0.31	2.63	128	23.74	103	96	60	0	0	5	0
	SYRACUSE	75	52	79	48	64	3	0.11	-0.78	0.11	1.43	56	21.37	78	96	59	0	0	1	0
WY	ASHEVILLE	83	58	87	55	70	4	0.08	-0.81	0.04	1.44	54	37.44	105	97	45	0	0	3	0
	CHARLOTTE	89	68	94	64	78	6	0.00	-0.81	0.00	0.31	13	33.95	108	90	45	3	0	0	0
	GREENSBORO	82	63	90	59	73	3	-	-	-	-	-	-	94	55	1	0	-	-	
	HATTERAS	75	70	80	69	73	-1	0.23	-0.99	-	2.57	71	34.42	87	93	78	0	0	-	-
WY	RALEIGH	86	64	94	58	75	4	-	-	-	-	-	-	94	54	1	0	-	-	
	WILMINGTON	85	68	90	66	78	1	2.02	0.87	1.35	4.04	111	32.21	74	99	62	1	0	4	1
	BISMARCK	70	47	80	32	58	2	1.39	1.04	0.95	1.63	157	12.11	92	88	40	0	1	3	1
	DICKINSON	70	44	79	29	57	1	0.08	-0.32	0.08	0.16	14	14.95	109	77	35	0	1	1	0
WY	FARGO	72	49	80	34	60	3	0.20	-0.26	0.20	1.78	131	22.04	140	90	48	0	0	1	0
	GRAND FORKS	69	49	78	36	59	3	-	-	-	-	-	-	90	48	0	0	-	-	
	JAMESTOWN	71	50	79	38	61	4	-	-	-	-	-	-	82	42	0	0	-	-	
	WILLISTON	70	41	78	26	56	0	-	-	-	-	-	-	81	32	0	2	-	-	
WY	AKRON-CANTON	74	54	79	48	64	1	1.21	0.43	0.91	2.31	101	26.69	97	98	60	0	0	2	1
	CINCINNATI	81	55	88	48	68	1	0.02	-0.64	0.02										

Weather Data for the Week Ending September 20, 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	32 AND BELOW	0.1 INCH OR MORE	5.0 INCH OR MORE
OK TOLEDO	78	54	82	49	68	3	-	-	-	-	-	-	-	98	52	0	0	-	-
OK YOUNGSTOWN	75	53	79	49	64	2	-	-	-	-	-	-	-	93	55	0	0	-	-
OK OKLAHOMA CITY	94	70	98	57	82	9	0.00	-0.93	0.00	0.12	6	20.26	80	80	41	6	0	0	
OR TULSA	80	71	96	60	80	7	-	-	-	-	-	-	-	86	53	4	0	0	0
OR ASTORIA	67	53	75	49	60	2	-	-	-	-	-	-	-	93	67	0	0	-	-
OR BURNS	66	34	77	25	60	-4	0.02	-0.12	-	0.63	133	7.23	108	91	50	0	3	-	-
OR EUGENE	69	51	77	43	60	-3	1.80	1.41	0.83	2.43	241	26.99	96	95	61	0	0	4	2
OR MEDFORD	73	47	85	40	60	-5	-	-	-	-	-	-	-	98	41	0	0	-	-
OR PENDLETON	69	48	73	41	58	-4	-	-	-	-	-	-	-	87	42	0	0	-	-
OR PORTLAND	70	55	80	49	62	-1	-	-	-	-	-	-	-	97	57	0	0	-	-
OR SALEM	70	52	81	45	61	0	-	-	-	-	-	-	-	96	59	0	0	-	-
PA ALLENTOWN	78	54	80	50	68	2	-	-	-	-	-	-	-	96	54	0	0	-	-
PA ERIE	74	57	79	53	68	2	-	-	-	-	-	-	-	96	68	0	0	-	-
PA MIDDLETOWN	83	57	86	52	70	4	0.09	-0.74	-	2.14	89	24.46	82	98	58	0	0	-	-
PA PHILADELPHIA	81	60	84	59	71	3	0.00	-0.80	0.00	1.19	50	23.70	76	98	48	0	0	0	0
PA PITTSBURGH	76	54	80	51	65	1	0.44	-0.25	0.44	1.77	87	25.19	91	97	57	0	0	1	0
PA SCRANTON	75	53	78	50	64	2	0.22	-0.56	0.12	1.54	68	20.46	76	94	62	0	0	4	0
PA WILLIAMSPORT	77	54	79	50	66	3	-	-	-	-	-	-	-	98	63	0	0	-	-
RI PROVIDENCE	78	57	81	53	67	3	0.05	-0.75	0.05	0.59	25	29.02	91	90	58	0	0	1	0
SC BEAUFORT	89	71	94	70	80	4	-	-	-	-	-	-	-	98	80	3	0	-	-
SC CHARLESTON	88	71	91	68	79	3	-	-	-	-	-	-	-	96	59	2	0	-	-
SC COLUMBIA	91	67	98	64	79	5	-	-	-	-	-	-	-	93	48	4	0	-	-
SC GREENVILLE	88	65	93	63	76	5	-	-	-	-	-	-	-	92	46	2	0	-	-
SD ABERDEEN	73	47	83	31	60	1	0.38	-0.05	0.26	0.68	52	15.23	96	93	45	0	1	2	0
SD HURON	76	52	88	37	64	4	-	-	-	-	-	-	-	88	48	0	0	-	-
SD RAPID CITY	76	48	92	34	61	2	-	-	-	-	-	-	-	80	30	2	0	-	-
SD SIOUX FALLS	75	52	85	37	63	3	-	-	-	-	-	-	-	90	53	0	0	-	-
TN BRISTOL	82	58	86	53	69	1	-	-	-	-	-	-	-	98	48	0	0	-	-
TN CHATTANOOGA	89	62	93	59	75	3	0.00	-0.99	0.00	3.46	124	43.68	112	96	40	3	0	0	0
TN KNOXVILLE	88	61	92	57	75	5	0.00	-0.72	0.00	0.88	32	41.28	118	91	39	2	0	0	0
TN MEMPHIS	91	69	94	64	80	6	0.00	-0.83	0.00	1.46	61	55.63	150	81	45	5	0	0	0
TN NASHVILLE	88	64	93	60	76	4	0.00	-0.81	0.00	1.04	44	38.26	110	88	43	2	0	0	0
TX ABILENE	96	73	100	66	85	9	-	-	-	-	-	-	-	71	31	6	0	-	-
TX AMARILLO	90	62	98	47	76	7	-	-	-	-	-	-	-	81	41	6	0	-	-
TX AUSTIN	95	73	97	72	84	4	0.00	-0.79	0.00	0.66	31	33.67	146	94	39	7	0	0	0
TX BEAUMONT	92	74	94	73	83	4	-	-	-	-	-	-	-	97	57	7	0	-	-
TX BROWNSVILLE	94	74	95	73	84	3	0.03	-1.45	0.03	0.38	9	17.45	91	93	53	7	0	1	0
TX CORPUS CHRISTI	97	75	98	73	86	5	0.15	-1.19	0.12	0.18	5	20.48	91	88	48	7	0	2	0
TX DEL RIO	98	78	101	75	87	8	-	-	-	-	-	-	-	82	31	7	0	-	-
TX EL PASO	94	71	97	69	82	8	-	-	-	-	-	-	-	85	30	7	0	-	-
TX FORT WORTH	96	76	99	72	86	9	0.00	-0.81	0.00	1.91	88	31.25	126	80	39	7	0	0	0
TX GALVESTON	90	80	91	78	85	5	-	-	-	-	-	-	-	81	61	6	0	-	-
TX HOUSTON	94	70	95	69	82	4	0.00	-1.17	0.00	0.55	17	39.50	120	97	47	7	0	0	0
TX LUBBOCK	92	68	98	54	79	8	0.04	-0.57	0.04	1.38	78	18.61	127	71	33	5	0	1	0
TX MIDLAND	96	69	101	64	83	10	0.00	-0.63	0.00	0.55	31	13.42	121	67	29	7	0	0	0
TX SAN ANGELO	96	71	100	67	84	8	0.00	-0.83	0.00	0.95	42	19.81	132	81	31	7	0	0	0
TX SAN ANTONIO	97	75	98	73	86	7	0.00	-0.81	0.00	0.89	40	23.57	105	91	37	7	0	0	0
TX VICTORIA	94	72	97	71	83	4	-	-	-	-	-	-	-	97	52	7	0	-	-
TX WACO	98	76	100	70	87	8	0.00	-0.86	0.00	0.29	13	28.71	125	87	36	7	0	0	0
TX WICHITA FALLS	97	72	103	59	84	9	0.00	-0.91	0.00	0.02	1	15.85	72	71	32	6	0	0	0
UT SALT LAKE CITY	76	53	90	47	65	0	1.11	0.81	0.54	1.30	160	13.35	115	77	35	1	0	3	1
VT BURLINGTON	73	50	77	43	62	3	-	-	-	-	-	-	-	98	58	0	0	-	-
VA LYNCHBURG	80	58	88	54	69	1	0.00	-0.74	0.00	2.25	106	25.57	86	99	59	0	0	0	0
VA NORFOLK	83	66	93	64	75	3	-	-	-	-	-	-	-	94	58	1	0	-	-
VA RICHMOND	84	61	93	58	73	3	0.06	-0.70	0.06	0.40	18	22.77	71	95	51	1	0	1	0
VA ROANOKE	83	61	88	56	72	4	-	-	-	-	-	-	-	83	51	0	0	-	-
WA WASH/DULLES	81	54	85	49	68	1	0.77	0.00	0.86	2.38	104	24.93	85	99	51	0	0	3	1
WA HANFORD	71	52	78	49	61	-	0.16	0.08	-	0.31	148	4.14	108	77	42	0	0	-	-
WA OLYMPIA	96	49	74	40	57	0	1.53	0.98	0.93	1.59	119	42.06	144	95	63	0	0	4	2
WA QUILLAYUTE	96	48	76	40	57	0	4.72	3.56	2.17	5.44	197	84.13	135	96	56	0	0	4	3
WA SEATTLE-TACOMA	96	52	73	48	59	-2	-	-	-	-	-	-	-	94	58	0	0	-	-
WA SPOKANE	85	47	72	40	58	-3	-	-	-	-	-	-	-	90	48	0	0	-	-
WA YAKIMA	71	49	77	39	60	0	0.10	0.03	-	0.24	80	3.84	77	81	40	0	0	-	-
WV BECKLEY	77	52	81	46	64	2	-	-	-	-	-	-	-	97	55	0	0	-	-
WV CHARLESTON	81	58	85	53	68	1	-	-	-	-	-	-	-	99	58	0	0	-	-
WV ELKINS	77	49	81	46	63	2	0.82	-0.06	0.74	1.34	52	31.36	93	96	55	0	0	5	1
WV HUNTINGTON	80	58	84	53	68	0	0.40	-0.27	0.40	1.20	60	31.68	102	99	56	0	0	1	0
WI EAU CLAIRE	73	55	85	42	64	6	0.05	-0.86	0.03	1.34	49	24.79	97	90	62	0	0	2	0
WI GREEN BAY	75	54	82	44	66	6	-	-	-	-	-	-	-	97	59	0	0	-	-
WI MADISON	76	53	82	44	66	5	-	-	-	-	-	-	-	98	55	0	0	-	-
WI MILWAUKEE	75	56	82	48	66	4	-	-	-	-	-	-	-	96	58	0	0	-	-
WY CASPER	70	44	86	35	57	0	-	-	-	-	-	-	-	71	36	0	0	-	-
WY CHEYENNE	68	47	81	39	57	0	1.55	1.28	1.33	1.92	213	17.87	145	74	48	0	0	3	1
WY LANDER	70	46	84	38	57	0	-	-	-	-	-	-	-	66	34	0	0	-	-
WY SHERIDAN	71	41	87	33	56	0	-	-	-	-	-	-	-	66	41	0	0	-	-

Based on 1961-90 normals

Note: These data are preliminary and subject to change.

## National Agricultural Summary

September 15 - 21, 1997

### HIGHLIGHTS

**Above-normal temperatures in the Central and Eastern United States provided favorable weather for crop maturation. Below-freezing temperatures were recorded in northern tier States, but little damage occurred to mostly mature crops. Locally heavy showers in the Corn Belt replenished dry soils and may have benefited some late-planted crops. Hot,**

**dry weather across the Plains provided good harvesting and planting weather. Scattered showers fell along the southern Atlantic Coast, but the remainder of the South is still in need of rain. Despite very cool, stormy weather in the Northwest, winter wheat growers were able to make significant planting progress.**

**Corn:** Ninety percent of the Nation's corn acreage was dented, compared with 85 percent (%) at this time in 1996 and the 5-year average of 87%. Corn reached maturity on 38% of the acreage, ahead of 36% last year but behind the average of 44%. Corn maturation was significantly behind normal in the eastern and northern Corn Belt. Corn harvest began in the Corn Belt and gained momentum in the central Plains. Continued dry weather in the South provided good harvest weather. The corn crop remained in mostly good to fair condition.

**Soybeans:** Over half of the soybean acreage was dropping leaves, an increase of 31 percentage points over last week. Several major soybean-producing States in the Corn Belt and central Plains recorded significantly increased acreages dropping leaves as above-normal temperatures provided favorable weather for maturation. Thirty percent of the acreage was dropping leaves at this time last year, while on average, 42% of the acreage is dropping leaves. Soybean harvest advanced to 3% complete, ahead of 2% in 1996 but behind the average of 4%. Harvest of early-maturing varieties was underway as far north as Minnesota. Condition of the soybean crop improved somewhat and rated mostly good to fair. In the South, early soybean harvest was active due to the dry weather. However, later-maturing varieties were at a critical stage of development and were being stressed by lack of moisture.

**Cotton:** Bolls were opening on 62% of the Nation's cotton acreage, behind 68% in 1996 and the average of 64%. Missouri, Oklahoma, South Carolina, and Tennessee showed significant increases in the percentage of their acreage opening bolls. Cotton fields in the western cotton-producing States continued to progress ahead of normal, while fields in the East developed behind the normal pace. In Texas, some defoliation began during the week, but many small bolls needed continued hot weather to open. Nationwide, cotton harvest reached 8% complete, compared with 11% for both 1996 and the average. Cotton condition rated mostly good to fair.

**Rice:** Rice harvest passed the half-way mark, behind both last year and the average. Growers in California harvested their State's rice crop well ahead of the normal pace. Hot, dry weather in Arkansas and Mississippi provided favorable harvest

conditions. Harvest continued in Louisiana, with some growers in southern parishes managing second crop rice. Harvest along the Texas Upper Coast continued without delay, although smut continued to be a problem in some fields.

**Sorghum:** Ninety-one percent of the Nation's sorghum acreage was turning color, equal to 91% last year and ahead of the average of 84%. Above-normal temperatures in the central Plains provided favorable weather for sorghum maturation. However, sorghum fields in Colorado were turning color well behind normal due to cool, wet weather during August. Nationwide, 47% of the sorghum crop was mature, equal to 1996, and ahead of the average 46%. Harvest was in full swing in Arkansas and Mississippi. In Louisiana, sorghum harvest was winding down. Nationwide, a fourth of the sorghum acreage was harvested, behind 26% in 1996 and the average of 28%.

**Peanuts:** Peanut harvest gained momentum in Alabama, Florida, and Georgia. However, digging of peanuts was difficult due to dry, hot conditions in many areas. In Georgia, farmers irrigated fields to dig peanuts. For the Nation, peanut harvest advanced to 21% complete, ahead of 13% last year. Condition of the peanut crop significantly declined in Florida and Virginia due to continued dry weather. Nationally, the peanut crop condition rated mostly fair to good.

**Spring Small Grains:** Farmers were in the final stages of spring wheat and barley harvest. Nationwide, 97% of the spring wheat crop was harvested, compared with 96% last year and the average of 86%. Barley harvest also reached 97% complete, equal to 1996 and ahead of the average 91%. Idaho and Montana were the only two States with a significant amount of spring wheat and barley remaining in the field.

**Winter Wheat:** The 1998 winter wheat crop reached 28% planted, compared with 24% planted in 1996 and the average of 28%. Hot, dry weather throughout the central and southern Plains allowed farmers to make good planting progress, especially in Colorado and South Dakota. In Washington, winter wheat planting progressed well despite scattered rainfall. Emergence of the winter wheat crop advanced to 10% complete, ahead of 9% for both 1996 and the average.

# Crop Progress and Condition

Week Ending September 21, 1997

## Soybeans Percent Dropping Leaves

	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AL	39	17	27	27
AR	14	8	21	14
GA	57	29	30	30
IL	48	14	22	46
IN	62	27	28	54
IA	54	19	30	44
KS	60	28	50	50
KY	31	9	23	28
LA	61	43	57	43
MI	25	10	18	38
MN	70	24	45	49
MS	60	40	55	42
MO	39	16	22	30
NE	61	17	23	40
NC	17	14	14	15
OH	51	21	19	59
SC	12	10	5	3
SD	77	47	72	54
TN	23	9	28	27
ALL	51	20	30	42

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

## Soybeans Percent Harvested

	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AL	2	0	1	1
AR	4	2	7	4
GA	1	0	0	0
IL	2	0	1	6
IN	1	0	1	4
IA	1	0	0	3
KS	5	3	2	4
KY	0	0	0	1
LA	32	20	22	14
MI	0	0	1	1
MN	2	0	1	2
MS	24	12	25	16
MO	0	0	0	1
NE	2	0	0	5
NC	0	0	0	0
OH	0	0	0	4
SC	0	0	0	0
SD	2	0	2	2
TN	0	0	0	1
ALL	3	1	2	4

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

## Winter Wheat Percent Planted

	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AR	0	0	2	2
CA	0	0	0	0
CO	64	31	53	53
GA	0	0	1	1
ID	27	15	22	25
IL	1	0	0	1
IN	5	3	4	4
KS	23	7	13	22
MI	12	8	8	15
MO	5	1	3	5
MT	31	19	11	16
NE	59	41	41	56
NC	3	1	5	6
OH	1	1	1	2
OK	18	12	16	29
OR	11	4	7	15
SD	71	47	49	64
TX	34	19	48	36
WA	58	31	64	58
ALL	28	15	24	28

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

## Winter Wheat Percent Emerged

	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AR	0	0	0	0
CA	0	0	0	0
CO	28	0	26	13
GA	0	0	0	0
ID	10	3	4	6
IL	0	0	0	0
IN	2	2	0	0
KS	5	2	5	8
MI	3	1	0	1
MO	0	0	0	0
MT	7	0	0	3
NE	27	3	3	13
NC	0	0	0	0
OH	0	0	0	0
OK	2	2	3	6
OR	3	0	1	2
SD	26	10	13	23
TX	12	3	21	15
WA	36	15	46	35
ALL	10	3	9	9

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

## Cotton Percent Bolls Opening

	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AL	43	34	66	61
AZ	99	93	100	98
AR	63	46	81	69
CA	100	95	99	90
GA	55	45	73	68
LA	86	79	96	93
MS	74	57	95	89
MO	80	54	77	63
NM	73	58	82	64
NC	48	30	78	72
OK	38	15	28	34
SC	58	37	70	71
TN	63	35	91	82
TX	50	38	45	45
ALL	62	49	66	64

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

## Cotton Percent Harvested

	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AL	3	1	7	5
AZ	16	8	8	11
AR	0	0	8	4
CA	5	0	2	1
GA	2	0	11	6
LA	11	1	12	12
MS	5	4	13	10
MO	2	0	9	6
NM	0	0	0	0
NC	0	0	3	2
OK	0	0	0	1
SC	0	0	10	5
TN	0	0	10	6
TX	17	14	17	22
ALL	8	5	11	11

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

## Rice Percent Harvested

	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AR	41	19	56	50
CA	30	20	9	9
LA	84	83	90	83
MS	56	33	75	59
TX	83	72	97	86
ALL	53	39	60	54

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

# Crop Progress and Condition

Week Ending September 21, 1997

Corn Percent Dented				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
CO	91	69	96	84
GA	100	100	100	100
IL	95	86	90	92
IN	86	67	80	93
IA	95	82	86	86
KS	100	93	98	95
KY	95	88	97	98
MI	56	25	56	67
MN	92	78	93	81
MO	100	97	100	94
NE	95	88	90	92
NC	100	96	100	99
OH	83	67	62	88
PA	64	56	72	70
SD	86	78	81	77
TX	99	98	100	98
WI	66	46	60	67
ALL	90	78	85	87

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

Corn Percent Mature				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
CO	30	17	29	22
GA	100	99	100	100
IL	33	14	43	48
IN	33	18	35	47
IA	56	21	37	51
KS	70	42	64	68
KY	59	42	69	76
MI	8	2	14	25
MN	21	2	23	31
MO	74	58	74	63
NE	30	12	19	34
NC	92	90	100	97
OH	8	2	6	25
PA	25	18	24	23
SD	37	19	24	32
TX	83	77	92	88
WI	10	5	16	28
ALL	38	20	36	44

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

Corn Percent Harvested				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
CO	0	0	3	1
GA	90	79	79	83
IL	1	0	4	4
IN	2	1	3	5
IA	1	0	2	3
KS	20	7	13	16
KY	17	10	24	23
MI	0	0	1	3
MN	1	0	1	1
MO	22	16	22	18
NE	1	0	1	2
NC	54	37	50	51
OH	0	0	2	2
PA	6	5	6	3
SD	0	0	2	1
TX	65	55	68	70
WI	0	0	1	1
ALL	6	4	7	7

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

Sorghum Percent Coloring				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AR	99	97	99	99
CO	35	28	88	69
IL	84	64	88	83
KS	93	77	90	80
LA	100	100	100	100
MS	98	97	100	99
MO	95	86	90	87
NE	95	82	87	82
NM	64	51	59	61
OK	89	75	88	82
SD	91	81	95	72
TX	92	86	95	91
ALL	91	80	91	84

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

Sorghum Percent Mature				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AR	87	62	91	90
CO	18	16	16	13
IL	20	8	28	34
KS	39	19	34	26
LA	100	98	100	97
MS	90	88	100	94
MO	51	32	46	51
NE	29	7	11	24
NM	5	2	3	8
OK	22	16	31	22
SD	36	21	40	28
TX	66	60	75	78
ALL	47	34	47	46

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

Sorghum Percent Harvested				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AR	63	38	60	64
CO	0	0	0	0
IL	0	0	1	2
KS	10	5	8	6
LA	94	80	89	81
MS	71	40	84	72
MO	13	4	10	18
NE	0	0	0	2
NM	0	0	0	1
OK	6	3	9	7
SD	1	0	2	1
TX	55	54	61	68
ALL	25	22	26	28

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

# Crop Progress and Condition

Week Ending September 21, 1997

Peanuts Percent Harvested				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
AL	39	23	25	NA
FL	42	24	37	NA
GA	27	13	16	NA
NC	3	1	2	NA
OK	2	1	2	NA
SC	20	11	18	NA
TX	11	5	2	NA
VA	2	0	9	NA
ALL	21	11	13	NA

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

Barley Percent Harvested				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
ID	90	85	95	92
MN	99	98	94	93
MT	95	89	96	79
ND	99	97	99	94
SD	100	99	100	100
WA	99	99	99	99
ALL	97	94	97	91

These 6 States produced 82% of the 1996 barley crop.

Spring Wheat Percent Harvested				
	Sep 21 1997	Prev Week	Prev Year	5-Yr Avg
ID	92	88	96	89
MN	99	95	94	88
MT	94	88	98	78
ND	97	94	94	85
SD	100	100	100	99
ALL	97	93	96	88

These 5 States produced 96% of the 1996 spring wheat crop.

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AL	6	26	48	16	4
AR	2	12	32	44	10
GA	14	39	29	17	1
IL	2	9	36	46	7
IN	2	6	32	51	9
IA	1	6	27	54	12
KS	0	5	27	52	16
KY	1	7	39	48	5
LA	4	13	43	38	2
MI	2	8	32	46	12
MN	1	7	31	50	11
MS	2	7	28	51	12
MO	3	13	41	35	8
NE	3	12	35	42	8
NC	3	10	31	50	6
OH	1	4	24	51	20
SC	5	12	32	43	8
SD	0	4	14	51	31
TN	1	3	23	54	19
ALL	2	8	31	48	11
Prev Wk	2	9	31	46	12
Prev Yr	3	10	32	45	10

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	2	6	23	48	21
GA	1	7	41	45	6
IL	3	12	39	41	5
IN	3	9	32	49	7
IA	2	6	26	54	12
KS	1	10	18	52	19
KY	5	14	46	33	2
MI	3	10	42	35	10
MN	1	5	23	51	20
MO	9	19	40	29	3
NE	3	10	24	50	13
NC	5	9	38	42	6
OH	1	5	24	50	20
PA	10	25	38	25	2
SD	0	3	11	52	34
TX	0	1	8	54	37
WI	1	3	13	57	26
ALL	3	8	27	48	14
Prev Wk	3	8	28	47	14
Prev Yr	3	8	27	47	15

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	7	20	59	13	1
AZ	0	2	9	64	25
AR	1	16	36	41	6
CA	0	0	10	65	25
GA	3	15	38	37	7
LA	3	13	43	35	6
MS	2	7	36	48	7
MO	0	21	34	44	1
NM	0	2	21	59	18
NC	6	8	38	44	4
OK	0	1	14	75	10
SC	2	10	33	49	6
TN	2	5	28	56	9
TX	3	10	29	45	13
ALL	3	10	31	45	11
Prev Wk	2	11	29	47	11
Prev Yr	3	8	26	47	16

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	9	55	25	9	2
FL	0	58	37	4	1
GA	6	19	46	26	3
NC	0	12	44	44	0
OK	0	4	35	57	4
SC	1	12	34	47	6
TX	1	6	21	46	26
VA	2	20	39	31	8
ALL	4	22	36	30	8
Prev Wk	4	18	40	30	8
Prev Yr	1	7	31	48	13

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

\* Revised

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/waobjawf>.*

**ALABAMA:** Days suitable for fieldwork 6.9. Topsoil 52% very short, 41% short, 7% adequate. Corn harvested 78%, 67% 1996, 66% avg. Livestock 1% very poor, 8% poor, 53% fair, 34% good, 4% excellent. Wheat planted 3%, 8% 1996, 6% avg. Dry weather continued in all areas of the State as row crops suffered drought stress. Digging of peanuts was difficult due to dry, hot conditions.

**ALASKA:** Days available for hay harvest 4, days suitable for potato, grain harvest 6. Topsoil, subsoil 10% short, 90% adequate. Hay harvest 50% complete, versus 45% 1996. Commercial potato harvest 65% complete, 75% 1996. Barley harvest 90%; oat harvest 80%.

**ARIZONA:** Alfalfa harvest activity 26% light, 36% moderate 30% active, 8% not being harvested; 7% poor, 9% fair, 58% good, 26% excellent. Light volume of watermelon, cantaloupe, carrots, green onions shipped from central area. Planting of broccoli, cauliflower, lettuce started in west. Apple, chile pepper harvest continued in east.

**ARKANSAS:** Days suitable for fieldwork 7. Dry conditions continued across most of the State, with scattered showers, thundershowers providing some rain at midweek. Above-normal temperatures fell to near-normal readings late in the week. Soil moisture 27% very short, 53% short, 20% adequate. Main farming activities: Harvesting corn, rice, sorghum, defoliating cotton, irrigating soybeans, cutting hay. Other farm activities: Soybean harvest, wheat field preparation, turn-row preparation, fall forage planting. Corn 3% poor, 26% fair, 58% good, 13% excellent. Alfalfa hay 14% poor, 30% fair, 55% good, 1% excellent. Other hay 4% very poor, 25% poor, 41% fair, 29% good, 1% excellent. Pasture feed 5% very poor, 28% poor, 37% fair, 30% good.

**CALIFORNIA:** Rains slowed harvesting, fieldwork in some areas. Extent of possible rain damage to mature field crops was not yet known. Field preparation for planting small grain, forage crops continued, while early-planted fields were growing well. Rice harvest was progressing rapidly in most growing areas, with good to excellent yields reported. Cotton growers were actively preparing for harvest, although wind, rain slowed application of defoliants temporarily. Harvest was underway in a few desert area cotton fields, with good yields predicted. Black eye beans were cut, windrowed. Garbanzo bean, seed alfalfa, grain, silage corn harvests were winding down, except in northern counties. Harvest of sugar beets, sunflowers continued. Milo was headed out, maturing normally in southern counties. Alfalfa, sudan grass were cut for hay or green chopped. Hay that was cut prior to the rain was turned to aid drying, prevent mold. Almond harvest was winding down. Pistachio, walnut harvests continued. Noticeable decrease in walnut yields was observed in areas flooded last winter. Predominant apple varieties packed were Bareburn, Royal Gala, Granny Smith, Fuji. Harvest of Golden, Red Delicious variety apples began in higher elevation groves. Late-variety peaches, nectarines, plums were harvested. Apricot trees were pruned. Most of the raisin grapes had been harvested. Light rains may have affected the quality of raisins drying on trays. About 50% of the raisins remained in the field, either in open trays or folded. Table, wine grape harvests continued. Asian pears, persimmons, figs, pomegranates were harvested. Valencia oranges were 90% harvested. New crop navel orange harvest will begin soon. Orange groves were treated for red scale. Olive harvest continued, with production lighter than previously expected. Imperial Valley fall vegetables, melons were attacked by heavy infestations of white flies. Lettuce, broccoli were harvested in the Gilroy-Hollister area. Fall lettuce beds were treated for worms, aphids, loopers, leafminers. Cauliflower, cucumber, broccoli crops were progressing well under

ideal growing conditions. Cauliflower was treated for worms. Harvest of processing, fresh market tomatoes was winding down. Sweet corn was still being harvested along the coast. Planting of spinach for spring harvest progressed in Tulare County. Pumpkin fields were nearing maturity. Honeydew, cantaloupe, watermelon harvests were winding down in the central San Joaquin Valley. Carrot, sweetpotato harvests were nearing completion in Kings County. Potato harvest began in Siskiyou County. Ground preparation for fall vegetable planting progressed normally in the Imperial, San Joaquin Valleys. Other crops harvested were sweet corn, garlic, radishes, vineseed, eggplant, squash, okra, green beans. Last week's rains, cooling temperatures relieved the extreme fire hazard, improved rangeland conditions in northern counties. Feed, water supplies were adequate. Rangeland remained very dry and in poor condition in southern counties. Livestock were in good condition. Some calving problems were reported in Stanislaus County.

**COLORADO:** Days suitable for fieldwork 6.0. Topsoil 7% very short, 27% short, 62% adequate, 4% surplus. Subsoil 6% very short, 20% short, 69% adequate, 5% surplus. Favorable conditions for fieldwork prevailed for a majority of the week, with the weekend bringing scattered precipitation, much cooler temperatures. Spring wheat 72% harvested, 94% 1996, 76% avg. Summer potatoes 75% harvested, 71% 1996, 76% avg. Dry onion 87% harvested, 90% 1996, 74% avg. Fall potatoes 33% harvested, 32% 1996, 26% avg.; 10% poor, 23% fair, 50% good, 17% excellent. Sugar beets 3% very poor, 5% poor, 11% fair, 58% good, 23% excellent. Dry beans 80% cut, 83% 1996, 69% avg.; 58% threshed, 67% 1996, 51% avg. Alfalfa 67% (3rd cutting), 65% 1996, 60% avg.; 1% very poor, 5% poor, 24% fair, 58% good, 12% excellent.

**DELAWARE:** Days suitable for fieldwork 6.7. Topsoil 2% very short, 31% short, 67% adequate. Subsoil 2% very short, 23% short, 75% adequate. Corn 5% very poor, 27% poor, 27% fair, 37% good, 4% excellent. Field corn 94% dough, 100% 1996, 100% avg.; 85% dent, 97% 1996, 97% avg.; 29% mature, 54% 1996, 62% avg.; 8% harvested for grain, 12% 1996, 19% avg.; 64% harvested for silage, 64% 1996, 79% avg. Soybeans 4% very poor, 14% poor, 32% fair, 44% good, 6% excellent; 81% setting pods, 93% 1996, 96% avg.; 20% turned, 17% 1996, 30% avg.; 12% shedding leaves, 8% 1996, 14% avg. Sorghum 18% poor, 19% fair, 62% good, 1% excellent; 49% turning color, 42% 1996, 48% avg.; 5% mature, 13% 1996, 21% avg. Tomatoes 91% harvested, 96% 1996, 96% avg. Snap beans 84% harvested, 90% 1996, 94% avg. Lima beans 73% harvested, 74% 1996, 68% avg. Sweet corn 95% harvested, 97% 1996, 99% avg. Apples 5% fair, 82% good, 13% excellent; 64% harvested, 63% 1996, 50% avg. Watermelons 93% harvested, 97% 1996, 98% avg. Hay supplies 12% very short, 57% short, 31% adequate. Clover, other hays 97% (3rd cutting) harvested, 87% 1996, 79% avg.; 35% (4th cutting), 33% 1996, 13% avg. Alfalfa 65% (4th cutting), 49% 1996, 52% avg. Pasture feed 2% very poor, 12% poor, 36% fair, 50% good. Activities: Corn harvesting continued, a lot of irrigation on late crop soybeans, late season vegetables.

**FLORIDA:** Topsoil moisture mostly very short Panhandle, northern Peninsula. Central Peninsula moisture short to adequate. Southern Peninsula moisture adequate. Sugarcane growth normal. Tobacco marketing starting to wind down. Dry weather adversely affecting field crops, forage in Panhandle, northern Peninsula. Some peanuts being harvested early as vines are dying. Peanut harvest delayed by dry soil conditions, some areas. Dry weather excellent for haying. Forty-two percent of peanuts harvested. Peanut 58% poor, fair 37%, good 4%, excellent 1%. Hot weather affecting vegetable growth, development over southern Peninsula. Dade County reported about

3 1/2 inches of rain fell last weekend, quickly drained away, with the rest of week mostly clear. Palmetto-Ruskin reported rainfall ranging from trace to 2 1/2 inches, with many localities becoming dry. Scattered rains fell over parts of southwest region virtually every day. Some squash picked along southeastern coast. Strawberry planting underway in Plant City area. All citrus areas dry, hot. Abundant new foliage in well cared for younger groves. Irrigation continues. Good color break on early bloom fruit. Harvest increasing on all early fruit. Few processors open, some packing house eliminations still being sent to pastures, destroyed. Caretakers cutting cover crops, spraying, fertilizing, pushing abandoned trees. Pasture feed 10% poor, fair 25%, good 60%, excellent 5%. Cattle 20% fair, good 75%, excellent 5%. Pasture conditions ranged from poor in Panhandle to excellent in south. Persistent drought in the north caused poor pasture. Some supplemental hay fed because of short pastures. West-central pastures fair to good, some damage from army worms. Pastures in south good to excellent as soil moisture adequate. Most cattle in State in fair to good condition.

**GEORGIA:** Days suitable for fieldwork 6.5. Soil moisture 58% very short, 35% short, 7% adequate. Hay 8% very poor, 32% poor, 37% fair, 21% good, 2% excellent. Peanuts 44% dug, 32% 1996, 42% avg. Rye 5% planted, 7% 1996, 6% avg. Sorghum 5% very poor, 17% poor, 47% fair, 30% good, 1% excellent; 33% harvested for grain, 34% 1996, 43% avg. Other small grains 2% planted, 3% 1996, 3% avg. Apples 1% very poor, 2% poor, 9% fair, 82% good, 6% excellent; 50% harvested, 29% 1996, 49% avg. Pecans 2% very poor, 20% poor, 46% fair, 30% good, 2% excellent. Hot, dry weather continued for another week. Isolated showers in a few areas. Majority of State in dire need of rain. Farmers continue to irrigate. Corn harvest several days ahead of normal. Harvest of cotton just starting. Cotton squares, bolls are shedding prematurely due to drought. Farmers applying defoliants. Peanut conditions held steady, yields, grades below normal. Some farmers are irrigating fields to dig peanuts. Soybean conditions declined. Pecan dropped slightly. Apples good. Pasture feed very poor, cattlemen beginning to feed hay. Other Activities: Harvesting hay, mowing pastures, irrigating vegetables, caring for livestock.

**HAWAII:** Windward areas benefited from mixture of showers, sunshine. Leeward areas used dry, heavy irrigation. Heavy downpours at week's end, caused no serious damage to agriculture. Molokai Irrigation System asked users to voluntarily reduce water usage 20%. Bananas in good condition, benefited from tropical weather. Production steady. Papaya harvesting active, recent weather beneficial. Guava harvesting uncertain. Lack of storage space, limited processing capacity may limit harvesting. Head cabbage harvesting steady. Crop condition varies, some fields adversely affected by warm weather. Cucumber harvesting active. Dryness, heat reduced yields in some areas. Tomato harvesting variable.

**IDAHO:** Days suitable for fieldwork 5.6. Topsoil 3% surplus, 83% adequate, 14% short. Cool temperatures prevailed this week, with lows in the low to mid-thirties. South-central areas spotty frost in some areas. Rain continued to hamper attempts to harvest remaining small grain fields. Potatoes turning (vines senescent) 97%, 98% 1996, 97% avg.; vines dying/killed 82%, 86% 1996, 90% avg.; harvested 18%, 14% 1996, 18% avg. Potato 9% excellent, 58% good, 27% fair, 6% poor. Alfalfa hay harvested (3rd cutting) 61%, 60% 1996, 63% avg. Oats harvested for grain 83%, 86% 1996, 86% avg. Dry peas harvested 92%, 97% 1996, 95% avg. Lentils harvested 76%, 93% 1996, 84% avg. Peaches harvested 99%, 94% 1996, 93% avg. Dry beans harvested 66%, 67% 1996, 56% avg. Hops harvested 98%, 73% 1996, 86% avg. Prunes, plums harvested 98%, 78% 1996, 86% avg. Apples harvested 19%, 15% 1996, 23% avg. Mint harvested 92%, 99% 1996, 98% avg. Onions harvested 52%, 63% 1996, 58% avg. Sugar beets harvested 6%, 4% 1996, 6% avg. Sweet corn harvested 91%, 95% 1996, 87% avg. Corn harvested for silage 41%, 28% 1996, 38% avg. Corn harvested for grain 4%, 1% 1996, 1% avg. Irrigation water supply 47% excellent, 51% good, 1% fair, 1% poor. Activities: Rolling and killing potato vines, harvesting, preparing seed beds, irrigating, seeding winter grains, moving livestock down from summer range.

**ILLINOIS:** Days suitable for fieldwork 5.5. Topsoil 4% very short, 25% short, 70% adequate, 1% surplus. Soybeans rapidly matured last week under warm, drier-than-normal weather conditions. Scattered reports of corn, soybean harvest, silage chopping were received, and farmers were just testing equipment or shelling some wet corn to feed livestock. Harvest of the earliest maturing soybean varieties was underway. Apples were ready for picking, reported to have exceptionally good taste this year. Farmers in the north continue to be concerned over the possibility of crop damage from an early frost. Farm activities: Harvesting the last cutting of hay, harvesting seed corn, mowing weeds, spreading manure, preparing machinery for harvest. Soybeans turning yellow 83%, 53% 1996, 75% avg. Alfalfa hay (3rd cutting) 94%, 92% 1996, 90% avg.

**INDIANA:** Days suitable for fieldwork 6.0. Topsoil 7% very short, 28% short, 58% adequate, 7% surplus. Subsoil 10% very short, 29% short, 57% adequate, 4% surplus. Corn, soybean harvest gaining momentum. Soybeans 22% mature, 7% 1996, 24% avg. Range, pasture feed 5% very poor, 19% poor, 35% fair, 37% good, 4% excellent. Alfalfa (3rd cutting) 90% complete. Tobacco 50% harvested, 73% 1996, 76% avg. Activities: Cutting silage, harvesting seed corn, preparing machinery and equipment, harvesting corn and soybeans, baling hay, wheat seedbed preparation and planting, mowing pastures and roads, caring for livestock.

**IOWA:** Days suitable for fieldwork 5.5. Topsoil very short 8%, short 31%, adequate 59%, surplus 2%. Subsoil very short 14%, short 32%, adequate 52%, surplus 2%. Corn, range, pasture conditions improved slightly over the past week; soybean condition remained unchanged. Crops are continuing to mature at a rapid pace. Producers are hoping for a frost-free September. Except for the northeastern portion of the State, reporters note that while the rains may have been too late for this year's crop, they are needed to replenish subsoil moisture. Corn dent stage 95%, 86% 1996, 86% avg.; mature 56%, 37% 1996, 51% avg.; harvested 1%, 2% 1996, 3% avg. Several reports of early soybeans harvested. Soybean acreage with leaves turning color 94%, 73% 1996, 77% avg.; soybeans leaves dropping 54%, 30% 1996, 44% avg.; soybean acreage harvested 1%, 0% 1996, 3% avg. Alfalfa hay (3rd harvest) 91% complete, 87% 1996, 82% avg. Second, third-generation corn borer damage was reported throughout the State. Stalk rot, grey leaf spot were causing premature death in some areas. Corn 2% very poor, 6% poor, 26% fair, 54% good, 12% excellent. Soybean 1% very poor, 6% poor, 27% fair, 54% good, 12% excellent. Livestock in good condition. Pastures are still short especially in the northwest. There were several reports of pinkeye in cattle. Pasture feed 9% very poor, 21% poor, 33% fair, 31% good, 6% excellent.

**KANSAS:** Days suitable for fieldwork 6.0. Topsoil 4% very short, 43% short, 52% adequate, 1% surplus. Subsoil 3% very short, 29% short, 67% adequate, 1% surplus. Wheat seedlings as well as corn, sorghum harvest progressing ahead of schedule due to dry conditions. Sunflowers 1% very poor, 6% poor, 33% fair, 50% good, 10% excellent. Sunflowers mature 45%; harvested 5%. Alfalfa (4th cutting) 68%, 61% 1996, 55% avg. Stock water supplies 2% very short, 12% short, 84% adequate, 2% surplus. Major field activities: Planting wheat, fertilizing, cutting hay, fall harvest.

**KENTUCKY:** Days suitable for fieldwork 5.8. Topsoil 17% very short, 50% short, 33% adequate. Subsoil 18% very short, 50% short, 31% adequate, 1% surplus. Burley tobacco cut 55%, 75% 1996, 83% avg. Light houseburn about 10% of crop. Dark tobacco cut 71%, 84% 1996, 85% avg. Tobacco 5% very poor, 14% poor, 36% fair, 40% good, 5% excellent. Hay 11% very poor, 22% poor, 37% fair, 27% good, 3% excellent. Pasture feed 9% very poor, 22% poor, 42% fair, 24% good, 3% excellent. Late soybeans making good progress, still need additional moisture, late freeze date for pod filling to reach full potential. Corn being harvested averaging 21% moisture.

**LOUISIANA:** Days suitable for fieldwork 6.9. Soil moisture 33% very short, 46% short, 20% adequate, 1% surplus. Drought conditions were felt across the State. Very little rain in the last few weeks left some areas critically dry. Corn 99% harvested, 99% 1996,

97% avg. Cotton defoliation, harvest was active. Hay 98% (2nd cutting), 94% 1996, 84% avg. Hay baling was active with the dry weather. Rice 98% ripe, 98% 1996, 96% avg. Harvest continued, growers in the southern parishes managed second crop rice. Soybeans 79% turning color, 77% 1996, 70% avg. Early soybean harvest was active, while late soybeans were at a critical point for development due to lack of moisture. Sugarcane 3% poor, 22% fair, 59% good, 16% excellent; 92% planted, 53% 1996, 63% avg. Growers continued planting into dry fields in hope that rain will come soon. Harvest will begin this coming week for some areas. Sweetpotatoes 1% very poor, 7% poor, 42% fair, 49% good, 1% excellent; 43% harvested, 38% 1996, 41% avg. Livestock 8% poor, 37% fair, 49% good, 6% excellent. Vegetables 3% very poor, 22% poor, 51% fair, 23% good, 1% excellent. Pasture were critically in need of rain. Ryegrass planting was delayed.

**MARYLAND:** Days suitable for fieldwork 6.5. Topsoil 11% very short, 29% short, 60% adequate. Subsoil 16% very short, 39% short, 45% adequate. Corn 37% very poor, 23% poor, 22% fair, 14% good, 4% excellent. Field corn 100% dough, 95% 1996, 98% avg.; 94% dent, 90% 1996, 91% avg.; 42% mature, 58% 1996, 62% avg.; 9% harvested for grain, 13% 1996, 20% avg.; 60% harvested for silage, 57% 1996, 55% avg. Soybeans 11% very poor, 24% poor, 38% fair, 25% good, 2% excellent; 34% turned, 30% 1996, 44% avg.; 13% shedding leaves, 12% 1996, 20% avg. Sorghum 2% very poor, 17% poor, 38% fair, 36% good, 7% excellent; 60% turned, 71% 1996, 68% avg.; 5% mature, 26% 1996, 25% avg. Lima beans 46% harvested, 56% 1996, 61% avg. Snap beans 91% harvested, 95% 1996, 92% avg. Tobacco 92% harvested, 96% 1996, 86% avg. Apples 4% very poor, 4% poor, 26% fair, 51% good, 15% excellent; 31% harvested, 27% 1996, 39% avg. Hay supplies 25% very short, 35% short, 38% adequate, 2% surplus. Alfalfa hay 86% (3rd cutting), 100% 1996, 99% avg.; 58% (4th cutting), 57% 1996, 65% avg. Clover, other hays 68% (3rd cutting), 69% 1996, 73% avg.; 17% (4th cutting), 37% 1996, 32% avg. Activities: Corn harvesting continued, melon, tomato harvesting almost completed.

**MICHIGAN:** Days suitable for fieldwork 4.5. This benefited many crops, though they still lag behind by 2 weeks. Rain was also welcomed, relieving some moisture-stricken soils in some areas. However, some areas of the State have received too much rain in September that left excessive soil moisture. Damage to some crops has occurred. Topsoil 3% short, 62% adequate, 35% surplus. Subsoil moisture 10% short, 68% adequate, 22% surplus. All hay (3rd cutting) harvested 71% 1997, 76% 1996, 69% avg.; (4th cutting) harvested 18% 1997, 15% 1996, 18% avg.; 4% very poor, 14% poor, 49% fair, 28% good, 5% excellent. Corn silage, harvested 9% 1997, 14% 1996, 29% avg. Dry bean leaves turning 100% 1997, 98% 1996, 96% avg.; leaves dropping 93% 1997, 70% 1996, 82% avg.; mature 61% 1997, 23% 1996, 55% avg.; harvested 9% 1997, 7% 1996, 30% avg.; 9% very poor, 17% poor, 29% fair, 32% good, 13% excellent. Pasture feed 1% very poor, 16% poor, 46% fair, 31% good, 6% excellent.

**MINNESOTA:** Days suitable for fieldwork 4.8. Topsoil 1% very short, 10% short, 76% adequate, 13% surplus. Corn 92% denting, 93% 1996, 81% avg.; 21% mature, 23% 1996, 31% avg.; 1% harvested, 1% 1996, 1% avg.; 37% silage cut, 36% 1996, 27% avg. Soybeans 93% turning yellow, 85% 1996, 80% avg.; 70% shedding leaves, 45% 1996, 49% avg.; 21% mature, 9% 1996, 14% avg.; 2% harvested, 1% 1996, 2% avg. Rye 85% seeded, 73% 1996, 68% avg. Winter wheat 88% seeded, 92% 1996, 72% avg. Sweet corn 90% harvested, 91% 1996, 84% avg. Potatoes 38% harvested, 27% 1996, 31% avg. Flax 31% harvested, 22% 1996, 31% avg. Dry beans 59% harvested, 59% 1996, 45% avg. Stubble plowed 59%, 60% 1996, 52% avg. Sugar beets 6% harvested, 8% 1996, 7% avg. Pasture feed 3% very poor, 12% poor, 31% fair, 47% good, 7% excellent. Corn 1% very poor, 5% poor, 23% fair, 51% good, 20% excellent. Soybeans 1% very poor, 7% poor, 31% fair, 50% good, 11% excellent.

**MISSISSIPPI:** Days suitable for fieldwork 6.5. Soil moisture 33% very short, 45% short, 22% adequate; corn 79% grain harvested,

75% 1996, 67% avg.; 100% silage harvested, 100% 1996, 95% avg.; 1% very poor, 5% poor, 23% fair, 55% good, 16% excellent. Soybeans 100% blooming, 100% 1996, 100% avg.; 98% setting pods, 100% 1996, 100% avg.; 76% turning color, 77% 1996, 70% avg.; 60% shedding leaves, 55% 1996, 42% avg.; 2% very poor, 7% poor, 28% fair, 51% good, 12% excellent. Sweetpotatoes 25% harvested, 36% 1996; 43% avg.; 2% very poor, 5% poor, 17% fair, 71% good, 5% excellent. Hay (warm season) 95% harvested, 97% 1996, 98% avg.; 6% very poor, 9% poor, 29% fair, 49% good, 7% excellent. Cattle 2% very poor, 6% poor, 18% fair, 62% good, 11% excellent. Pasture feed 8% very poor, 20% poor, 35% fair, 33% good, 4% excellent. Activities: Harvesting corn, rice, soybeans, sorghum.

**MISSOURI:** Days suitable for fieldwork 5.6. Topsoil 7% very short, 40% short, 52% adequate, 1% surplus. Corn harvest is proceeding a few days ahead of normal, while sorghum, cotton harvesting are getting under way slightly later than usual for this date. Recent rainfall has been beneficial to pastures, late-planted row crops. Reporters continued to rate the row crops in mostly good to fair condition. Soybean maturity is most advanced in the northwestern, north-central, south-central districts with 19%, 24%, 15%, respectively. Corn harvest is most advanced in the Bootheel with 71%, followed by the central third of the State at around 17% harvested. Corn progress is least advanced in the northeastern district with 44% mature, followed by the northwest at 66%, with both districts at 8% harvested. Sorghum harvesting is most advanced in the southwestern district at 36%, followed by the southeast at 26%, south central at 18%. Pasture feed 5% very poor, 19% poor, 46% fair, 29% good, 1% excellent.

**MONTANA:** Days suitable for fieldwork 6.1. Topsoil 8% very short, 50% short, 41% adequate, 1% surplus. Subsoil 6% very short, 39% short, 54% adequate, 1% surplus. Harvest of small grains is nearing completion. Winter wheat harvested 99%, 100% 1996, 95% avg. Oats harvested 96%, 95% 1996, 82% avg. Corn for silage harvested 48%, 54% 1996, 51% avg. Dry beans harvested 71%, 82% 1996, 62% avg. Alfalfa hay (2nd cutting) 91% complete, 96% 1996, 91% avg. Other hay cutting 97% complete, 100% 1996, 97% avg. Cattle, calves moved from summer ranges 18%, 24% 1996, 18% avg. Sheep, lambs moved from summer ranges 29%, 30% 1996, 21% avg. Livestock mostly good to excellent.

**NEBRASKA:** Days suitable for fieldwork 6.7. Subsoil 14% very short, 40% short, 46% adequate. Topsoil 14% very short, 38% short, 48% adequate. Fall wheat seeding was in full swing last week as above-normal temperatures proceeded to move row crops toward maturity. Fall-like temperatures arrived on 21st, with low forties recorded in many areas. Corn 3% very poor, 10% poor, 24% fair, 50% good, 13% excellent; irrigated corn 77% good to excellent, dryland corn 36% good to excellent; 95% dented, 90% 1996, 92% avg.; 30% mature, 19% 1996, 34% avg.; 1% harvested, 1% 1996, 2% avg. Soybean 3% very poor, 12% poor, 35% fair, 42% good, 8% excellent; 96% turning color, 74% 1996, 77% avg.; 61% dropped leaves, 23% 1996 40% avg.; 2% harvested, 0% 1996, 5% avg. Sorghum 6% very poor, 12% poor, 31% fair, 37% good, 14% excellent; 95% turning color, 87% 1996, 82% avg.; 29% mature, 11% 1996, 24% avg.; grain harvest started on a limited scale. Dry bean 99% turning color 100% 1996, 91% dropped leaves, 92% 1996, 67% harvested, 44% 1996. Alfalfa 7% very poor, 18% poor, 33% fair, 38% good, 4% excellent; 98% 3rd cutting, 96% 1996, 95% avg.; 28% 4th cutting, 19% 1996. Winter wheat 59% planted, 41% 1996, 56% avg.; 27% emerged, 3% 1996, 13% avg.; reporters expressed concerns for grasshopper populations in newly seeded wheat. Pasture feed 11% very poor, 21% poor, 36% fair, 31% good, 1% excellent; some supplemental feeding; cattle will be moved to stalks as corn harvest progresses.

**NEVADA:** Irrigation continues, with water supplies adequate. Pasture, range forage conditions remain mostly good. Fall seeding of winter grains and new alfalfa fields was underway. Rains caused interruptions to haying and damaged some cut hay caught in the field. Alfalfa 3rd cutting well along north, 4th, 5th cutting underway south. Alfalfa seed harvest progressing. Garlic harvest nearly complete.

Onion, potato harvests continued, though slowed by rains. Mint harvest complete. Main farm, ranch activities: Haying, onion harvest, potato harvest, livestock marketing.

**NEW ENGLAND:** Days suitable for fieldwork 5.6. Topsoil 1% very short, 6% short, 85% adequate, 8% surplus. Subsoil 1% very short, 5% short, 83% adequate, 11% surplus. Pasture feed 1% very poor, 2% poor, 33% fair, 48% good, 16% excellent. Maine potatoes 10% harvested, 25% 1996, 25% avg.; condition good. Massachusetts potatoes 70% harvested, 65% 1996, 60% avg.; condition good. Rhode Island potatoes 70% harvested, 45% 1996, 60% avg.; condition good to excellent. Oats in Maine 65% harvested, 70% 1996, 85% avg.; condition good. Barley in Maine 70% harvested, 85% 1996; condition good. Field corn 10% harvested, 15% 1996, 20% avg.; condition good to fair. Sweet corn 90% harvested, 95% 1996, 95% avg.; good to excellent. Shade tobacco: 100% harvested, 100% 1996; good to fair. Broadleaf tobacco 100% harvested, 100% 1996; good to fair. First cut hay 99% harvested, 99% 1996, 99% avg.; good to fair. Second cut hay 80% harvested, 85% 1996, 90% avg.; good to fair. Third cut hay 65% harvested, 55% 1996, 50% avg.; condition good. Apples 45% harvested, 30% 1996, 30% avg.; fruit size avg. to above avg.; good to excellent. Peaches 95% harvested; 95% 1996, fruit size avg. to above avg.; good to excellent. Pears 25% harvested, 45% 1996; fruit size avg.; fair to good. Cranberries 5% harvested, 10% 1996; fruit size avg. to above avg.; good to excellent. Highbush blueberries 99% harvested, 99% 1996; fruit size avg. to above avg.; good to excellent. Warm September weather helping farmers whose crops needed more time to mature, ripen, and be harvested. Scattered reports of frost Sunday night. Major farm activities: Harvesting peppers, tomatoes, field corn, sweet corn, potatoes, pumpkins, winter squash, oats, barley, cranberries, apples, peaches, pears; spreading manure; disking down harvested fields, planting cover; cutting hay; spreading lime and fertilizer.

**NEW JERSEY:** Days suitable for fieldwork 7. Topsoil moisture short to adequate. Main farming activities included irrigating crops, harvesting vegetables, and planting cover crops. Harvesting of summer vegetables (tomatoes, corn for silage, peppers, cucumbers, potatoes, snap beans) is nearing completion, while the harvesting of fall crops (spinach, cabbage, parsley, lettuce, endive, escarole, Indian corn, pumpkins) is increasing. Good to light volume of cucumbers, eggplant, green beans, peppers, squash, tomatoes, pickles, sweet corn. Soybeans are dropping leaves. Hay making continues to be active with 3rd, 4th cuttings of hay reported. Pasture conditions reported as fair to good. Peach harvest is complete, with limited volume available for the next 2 weeks. Harvesting of apples continues.

**NEW MEXICO:** Days suitable for fieldwork 6.3. Topsoil 2% very short, 32% short, 56% adequate, 10% surplus. Rainfall during the latter part of week again delayed hay harvest in many areas. Alfalfa 4th cutting reached 95% complete, 5th cutting 54% completed; 1% poor, 18% fair, 79% good, 2% excellent. With cotton harvest nearing, 73% bolls open, 82% 1996, 64% average.; 2% poor, 21% fair, 59% good, 18% excellent. Despite general rains, sorghum condition deteriorated slightly to 9% poor, 33% fair, 57% good, 1% excellent; 64% coloring, 59% 1996, 61% avg.; 5% mature, 3% 1996, 8% avg. Green chile harvest advanced to 79% complete by the end of last week; 1% poor, 27% fair, 54% good, 18% excellent. Corn 8% fair, 81% good, 11% excellent; 90% dent, 97% 1996; 44% mature, 61% 1996. Wheat producers continued planting; 65% complete, 59% 1996, 69% avg. Apples continued fair to good, with 40% of the crop harvested. Pecan prospects remained optimistic; 19% fair, 51% good, 30% excellent. Cattle, sheep were in mostly good condition. Range, pasture feed conditions continued to look good for this time of the year; 2% very poor, 9% poor, 25% fair, 58% good, 6% excellent.

**NEW YORK:** Days suitable for fieldwork 6.2. Soil moisture 18% short, 82% adequate. Pasture feed 16% fair, 84% good. Corn silage harvest underway. Corn 22% fair, 67% good, 11% excellent; maturity behind normal. Winter wheat, rye seeding continued. Alfalfa 3rd cutting 75% finished, 63% 1996, 67% avg. Dry bean harvest in full swing. Potato digging gained momentum. Soybeans yellowing.

Grape harvest continued. Concord grape harvest just beginning. Condition of most varieties good. Early apple harvest continued. Peach harvest winding down. Vegetable harvest in high gear. Onion harvest gaining momentum.

**NORTH CAROLINA:** Days were suitable for fieldwork 6.2. Rainfall in the Southern Coastal and Northern Piedmont regions this week will help crops in that area. However, the State still needs rain to improve overall crop conditions. Cotton and flue-cured tobacco development is still well behind last year and the average. Soil moisture 15% very short, 36% short, 47% adequate, 2% surplus. Activities included harvesting, marketing of flue-cured tobacco; harvesting burley tobacco, apples, sweetpotatoes, corn; cutting silage; cutting hay; scouting, spraying for insects on cotton, soybeans; maintaining pastures; tending livestock; repairing equipment.

**NORTH DAKOTA:** Days suitable for fieldwork 6. Producers were unable to complete the small grain harvest because of cool, wet weather, harvest remained ahead of last year and average. Topsoil 14% very short, 34% short, 49% adequate, 3% surplus. Subsoil 13% very short, 34% short, 49% adequate, 4% surplus. Durum wheat 92% combined, 80% 1996, 70% avg. Late-season crops continued to develop at a pace ahead of average, except potatoes. Producers made substantial progress on canola, dry edible bean, flaxseed, soybean harvests. Canola 77% combined, 72% 1996; corn for grain 98% denting and beyond, 36% ripe and beyond; 95%, 51% 1996; 77%, 31% avg.; corn for silage 43% chopped; 42% 1996; 32% avg.; dry edible beans 76% cut, 54% combined; 68%, 52% 1996; 49%, 33%, avg.; flaxseed 80% combined; 57% 1996; 37% avg.; potatoes 88% vines killed and beyond, 37% dug; 80%, 34% 1996; 89%, 44% avg.; soybeans 98% lower leaves yellowing and beyond, 80% mature leaves dropping and beyond, 22% harvested; 98%, 65%, 15% 1996; 89%, 59%, 9% avg.; sugar beets 5% lifted; 8% 1996; 7% avg.; sunflower 95% bracts turned yellow and beyond, 55% bracts turned brown and beyond; 92%, 58% 1996; 80%, 41% avg. Potato conditions improved slightly, while soybeans, sugarbeets remained relatively unchanged. Emerged crop condition: Corn for grain 1% very poor, 5% poor, 17% fair, 57% good, 20% excellent; corn for silage 2% very poor, 12% poor, 29% fair, 48% good, 9% excellent; potatoes 14% very poor, 14% poor, 24% fair, 38% good, 10% excellent; soybeans 3% very poor, 5% poor, 27% fair, 46% good, 19% excellent; Sugar beets 5% very poor, 8% poor, 16% fair, 58% good, 13% excellent; sunflower 3% very poor, 8% poor, 26% fair, 51% good, 12% excellent. Pasture feed 16% very poor, 33% poor, 32% fair, 19% good.

**OHIO:** Days suitable for fieldwork 5.8. Topsoil 1% very short, 11% short, 80% adequate, 8% surplus. Corn dented 3 days behind the avg.; mature 11 days behind avg.; 10% harvested for silage, 15% 1996, 34% avg. Soybeans dropping leaves almost 3 days behind avg.; 6% matured. Winter wheat planting 1 percentage point behind avg. Alfalfa hay 84% (3rd cutting), 85% 1996, 89% avg. Other hay 62% (3rd cutting), 63% 1996, 65% avg. Tobacco 51% harvested. Summer apples 88% harvested. Fall, winter apples 14% harvested. Potatoes 26% harvested, 50% 1996, 57% avg. Processing tomatoes 42% harvested, 60% 1996, 70% avg. Grapes 22% harvested. Activities: Mowing 4th cutting of hay, winter wheat stubble, pastures; raking, baling hay; hauling, spreading manure on wheat stubble; soil sampling; applying lime to winter wheat stubble; fall plowing, other types of field preparations; tiling fields; scouting fields; spraying herbicides; moving cattle between pastures; maintaining fences; erecting, preparing grain bins, other storage facilities; repairing, preparing machinery for harvest; attending, preparing for county fairs, the Farm Science Review. In the northern part, growers are harvesting green beans; summer, winter squash; sweet corn; pumpkins. They are also harvesting clover for seed. In the southern part, growers are harvesting pumpkins, watermelons, peppers. Reported weed pressures: Ragweed; Canadian thistles; wild carrot; foxtail; other grass, broadleaf weeds. Reported insects: European corn borer in corn, Japanese beetle in soybeans, Potato leafhopper in alfalfa. Reported diseases: Gray leaf spots in corn, blue mold in tobacco, white mold in soybeans, late tomato blight in tomatoes, powdery mildew in pumpkins. Hay 1% very poor, 7% poor, 32% fair, 47% good, 13% excellent.

**OKLAHOMA:** Days suitable for fieldwork 6.0. Topsoil 15% very short, 39% short, 45% adequate, 1% surplus. Subsoil 11% very short, 21% short, 67% adequate, 1% surplus. Hot, dry weather reduced soil moisture to the lowest level of the year. Wheat 87% seedbed prepared, 82% 1996, 87% avg.; oats 78% seedbed prepared, 85% 1996, 79% avg.; 5% planted, 24% 1996, 15% avg. Corn 23% mature, 63% 1996, 83% avg.; 15% harvested, 40% 1996, 53% avg. Soybeans 25% mature, 53% 1996, 43% avg.; 6% harvested, 11% 1996, 13% avg. Peanuts 25% mature, 44% 1996, 34% avg.; alfalfa hay 76% 4th cutting, 78% 1996, 81% avg.; 11% 5th cutting, 13% 1996, 19% avg. All other hay 47% 2nd cutting, 94% 1996, 99% avg. Livestock 2% poor, 15% fair, 78% good, 5% excellent. Feeder steer prices stable.

**OREGON:** Days suitable for fieldwork 5.9. Topsoil 2% very short, 26% short, 70% adequate, 2% surplus. Subsoil 3% very short, 20% short, 77% adequate. Barley harvested 93%, 92% 1996, 90% avg.; planted 1%, 9% 1996, 9% avg. Winter wheat planted 11%, 7% 1996, 15% avg.; emerged 3%, 1% 1996, 2% avg. Activities: Rains interrupted field preparation and haying across the State. Westside fall grains being planted, hop harvest nearing completion. Field corn silage cut as weather permitted. East side growers busy with planting, field preparation. Some hay being cut. Nursery, greenhouse fall activities slowed by rains. Greenhouses continued to ship fall plants to retail outlets. Plans being made for retail sales holly, poinsettias, wreaths. Onion, potato harvest ongoing east of Cascades; Klamath Basin reported 20% harvested, central reported harvest to begin soon. Rains caused some concern for onion growers in Morrow County. Willamette Valley growers continued harvesting broccoli, cauliflower, cabbage, squash. Sweet corn, snap bean harvests nearly completed. Willamette Valley hazelnuts dropping; apples, pear, peaches being harvested; grapes nearing maturity. Rogue River Valley pear, apple harvest winding down. Red Delicious apples being harvested in Milton/Freewater area. Livestock generally in good to excellent condition around the State. Westside rains of late August, early September followed by warm weather meant good grass growth in pastures. East side range, pastures continued to dry. Range cattle movement to market continued.

**PENNSYLVANIA:** Days suitable for fieldwork 5.2. Soil moisture 4% very short, 29% short, 67% adequate. Good week for fieldwork. Ensilage corn harvest 25% complete, 24% 1996, 31% avg. Soybean 7% very poor, 18% poor, 46% fair, 26% good, 3% excellent. Wheat planted 35% complete, 21% 1996, 23% avg. Wheat emerged 9% complete, 9% 1996, 2% avg. Barley planted 28% complete, 22% 1996, 25% avg. Barley emerged 18% complete, 15% 1996, 3% avg. Tobacco harvest 90% complete, 95% 1996, 92% avg. Potato harvest 38% complete, 45% 1996, 51% avg. Alfalfa 3rd cutting 85% complete, 76% 1996, 78% avg.; 4th cutting 55% complete, 34% 1996, 38% avg. Timothy clover second cutting 95% complete, 92% 1996, 92% avg. Quality of hay made 2% very poor, 13% poor, 50% fair, 33% good, 2% excellent. Apple harvest 37% complete, 41% 1996, 41% avg. Peach harvest 95% complete, 94% 1996, 94% avg. Grape harvest 20% complete, 40% 1996, 41% avg. Fall plowing 52% complete, 41% 1996, 45% avg. Activities: Harvesting fruits and vegetables; making hay and haylage; seeding barley and wheat; harvesting tobacco; plowing fields; fixing fences; hauling manure; caring for livestock.

**SOUTH CAROLINA:** Days suitable for fieldwork 6.6. Soil moisture 24% very short, 45% short, 31% adequate. Apples 68% harvested, 58% 1996, 55% avg.; 10% poor, 20% fair, 60% good, 10% excellent. Corn 87% harvested, 81% 1996, 78% avg.; 3% poor, 19% fair, 54% good, 24% excellent. Hay 99% harvested, 99% 1996, 76% avg.; 10% very poor, 20% poor, 36% fair, 33% good, 1% excellent. Sorghum 59% harvested, 53% 1996, 42% avg.; 6% poor, 40% fair, 54% good. Soybeans 99% bloomed, 100% 1996, 100% avg.; 92% pods set, 94% 1996, 96% avg.; 20% leaves turning color, 13% 1996, 15% avg.; 12% leaves dropped, 5% 1996, 3% avg.; 5% very poor, 12% poor, 32% fair, 43% good, 8% excellent. Sweetpotatoes 22% harvested, 18% 1996, 17% avg.; 1% very poor, 11% poor, 45% fair, 42% good, 1% excellent. Tobacco 98% harvested, 97% 1996, 95% avg.; 86% stalks destroyed, 54% 1996, 61% avg.; 1% poor, 17% fair,

66% good, 16% excellent. Winter grazings 24% planted, 24% 1996, 22% avg.; 14% emerged, 17% 1996, 12% avg.; 3% very poor, 11% poor, 47% fair, 39% good.

**SOUTH DAKOTA:** Days suitable for fieldwork 5.5. Topsoil 4% very short, 12% short, 75% adequate, 9% surplus. Subsoil 2% very short, 9% short, 78% adequate, 11% surplus. Stock water 1% short, 87% adequate, 12% surplus. Major activities: Farmers, ranchers during the week were harvesting corn and sorghum for silage, seeding winter wheat, fall tilling, spraying, and moving hay. Flax 1% poor, 38% fair, 60% good, 1% excellent. Sunflower 3% poor, 11% fair, 49% good, 37% excellent. Livestock condition 8% fair, 65% good, 27% excellent. Winter rye 68% planted, 38% 1996, 62% avg.; 45% emerged. Sunflower 96% flowers dry, 99% 1996, 94% avg.; 75% bracts yellow, 78% 1996, 76% avg.; 25% mature, 26% 1996, 32% avg. Soybeans 36% mature, 27% 1996, 23% avg. Flax 96% harvested, 100% 1996, 82% avg. Corn silage 44% harvested, 29% 1996, 26% avg. Sorghum silage 30% harvested, 24% 1996, 23% avg.

**TENNESSEE:** Days suitable for fieldwork 6.5. Topsoil 27% very short, 35% short, 37% adequate, 1% surplus. Subsoil 26% very short, 33% short, 40% adequate, 1% surplus. Corn 1% very poor, 7% poor, 29% fair, 51% good, 12% excellent; 89% mature, 95% 1996, 87% avg.; 39% grain harvested, 48% 1996, 39% avg.; 85% silage harvested, 88% 1996, 82% avg. Tobacco 74% burley harvested, 82% 1996, 82% avg.; 82% air-cured harvested, 85% 1996, 86% avg.; 72% fire-cured harvested, 84% 1996, 85% avg. Sorghum 3% poor, 27% fair, 66% good, 4% excellent; 80% mature, 78% 1996, 86% avg.; 22% grain harvested, 26% 1996, 40% avg. Pasture feed 4% very poor, 21% poor, 39% fair, 33% good, 3% excellent. Warm, sunny weather prevailed all week, thus promoting a week of uninterrupted corn, tobacco harvest. Corn harvest progress is in line with the 5-year pace. Tobacco harvest is behind schedule, producers continue to make progress. Burley stripping should get underway within 2 weeks. Sorghum harvest is behind schedule, due to growers concentrating their efforts on corn harvest. Soybean crop is developing near the 5-year average pace and remains in mostly good condition. However, pastures and hay fields continue to suffer from the lack of rain, and wheat seeding is also being delayed.

**TEXAS:** Open weather conditions across State allowed fieldwork to continue throughout the week with little interruption. Many areas continued to report record-high temperatures. Rainfall was scarce for the week. However, chance of rain was improving by late week because of a disturbance in the gulf. Planted small grains need rain in many areas for improved emergence. Ranges and pastures could also use rain. Livestock conditions have declined in some areas, with declined conditions in pastures due to hot weather. Supplemental feeding increased into more areas. Field Crops: Small grain producers in the plains and north-central areas continued to let plants dry in many fields in hopes of a rain soon. Emergence has been slow on many dryland fields. Irrigation was necessary in the High Plains for establishment. Many producers in the central areas were waiting for a rain to begin planting. Corn was being harvested for grain in the early stages in the High Plains. Excellent yields were expected. Harvest was completed in most central and southern areas. Harvest was beginning to wind down along Upper Coast, where yields have been good. Cotton bolls continued to open rapidly with hot weather in the plains. Some defoliation began during the week. However, many small bolls need continued hot weather to open. Harvest activity moved ahead without much delay in the central areas and Upper Coast. Grain sorghum fields were rapidly maturing in the northern areas during the week, with yield prospects looking very promising. Harvest begun in a few of these fields, with some ergot found. Harvest neared completion north-central areas. Harvest progress good along Upper Coast, and winding down in many fields. Peanut harvest increased in the south-central, with good early yields. Harvest began in a few more fields in the north-central areas, with other fields making normal progress. Rice harvest along the Upper Coast continued without much delay. Smut continued to be a problem in some fields. Yields have been average to good. Soybeans in a few early fields in the plains were harvested during the

week, with other fields rapidly approaching harvest. Harvest in the Blacklands was beginning to wind down. Harvest along Upper Coast moved ahead on early varieties. Later varieties need additional rain. Sugar beets hot, dry conditions affected some fields in the High Plains. Producers were preparing for harvest.

**Commercial Vegetables:** In the Rio Grande Valley, some melon fields were showing stress from hot, dry conditions. Land preparation and planting continued during the week. San Antonio-Winter Garden, planting, irrigation activity continued. In the High Plains, harvest was winding down as pumpkin harvest neared. In the east, sweetpotato harvest continued. Sizes were small but quality remained good. In Trans-Pecos, chili progress good. Pecans prospect remained good in most central and southern areas. However, recent lack of rainfall may affect filling in many groves. Harvest of early varieties will begin soon in the south.

**Ranges, pastures:** Lack of recent moisture caused condition to continue to decline. Emergence of small grains have been slow in some areas. Supplemental feeding activity increased in many areas. Stockers were arriving in northern areas for backgrounding and preparation for small grain grazing. Cattle have experienced some body condition decline with deterioration of pastures and hot weather.

**UTAH:** Days suitable for fieldwork 5. Topsoil 2% short, 84% adequate, 14% surplus. Subsoil 15% short, 84% adequate, 1% surplus. Irrigation water supplies 14% short, 83% adequate, 3% surplus. Stock water 3% very short, 13% short, 83% adequate, 1% surplus. Winter wheat planted 62%, 29% 1996, 50% avg. Oats harvested for grain 81%, 86% 1996, 93% avg. Corn dough stage 88%, 81% 1996; dent stage 50%, 48% 1996; mature stage 10%, 23% 1996; harvested for silage 29%, 19% 1996, 31% avg. Alfalfa hay 3rd cutting 62%, 82% 1996, 80% avg.; 4th cutting 25%, 17% 1996, 19% avg.; seed harvested 37%, 30% 1996, 52% avg. Potatoes 10% harvested, 35% 1996, 32% avg. Onions 42%, 49% 1996, 50% avg. Dry beans 50% harvested, 24% 1996. Peaches picked 91%, 93% 1996, 95% avg. Pears picked 81%, 83% 1996, 93% avg. Apples picked 16%, 27% 1996, 29% avg. Cattle moved from summer range 25%, 32% 1996, 30% avg. Sheep moved from summer range 13%, 29% 1996, 27% avg. Pasture feed, range 2% poor, 11% fair, 66% good, 21% excellent. Major farm and ranch activities: Harvesting hay, planting winter grains, picking fruit.

**VIRGINIA:** Days suitable for fieldwork 6.4. Topsoil 20% very short, 50% short, 30% adequate. Subsoil 25% very short, 50% short, 25% adequate. Corn 98% dough, 98% 1996, 100% avg.; 91% dent, 88% 1996, 94% avg.; 71% mature, 59% 1996, 78% avg.; 25% harvested, 14% 1996, 33% avg.; 61% corn silage harvested, 44% 1996, 57% avg. Soybeans 98% bloomed, 99% 1996, 100% avg.; 91% setting pods, 89% 1996, 98% avg.; 18% dropping leaves; 15% very poor, 33% poor, 33% fair, 17% good, 2% excellent. Cotton 5% very poor, 15% poor, 30% fair, 45% good, 5% excellent. Summer apples 98% harvested, 98% 1996, 91% avg. Fall apples 28% harvested, 28% 1996, 52% avg. Peaches 98% harvested, 100% 1996, 100% avg. Flue tobacco 61% harvested, 69% 1996, 76% avg. Burley tobacco 66% harvested, 58% 1996, 69% avg. Dark fire cured tobacco 86% harvested, 87% 1996, 88% avg. Sun cured tobacco 90% harvested, 84% 1996, 88% avg. Peanuts 2% dug, 9% 1996, 10% avg.; 2% very poor, 20% poor, 39% fair, 31% good, 8% excellent. Pasture feed 10% very poor, 40% poor, 40% fair, 10% good. Livestock 2% very poor, 4% poor, 28% fair, 61% good, 5% excellent. A few scattered showers were received by some localities early last week and on 20th. These rains have brought some relief to pastures, late hay. However, growth remain short, some livestock producers are concerned about hay supplies. Dry conditions throughout most of the peanut producing localities have made digging difficult. Peanut harvest is running behind last year, five year average. Producers continue to harvest, market tobacco. Some producers are preparing land for small grain seeding. Other activities: vegetable harvesting, marketing livestock.

**WASHINGTON:** Days suitable for fieldwork 4.3. Topsoil 15% short, 65% adequate, 20% surplus. Subsoil 9% short, 89% adequate, 2% surplus. Winter wheat 58% planted, 64% 1996, 58% avg.; 36% emerged, 46% 1996, 35% avg. Winter wheat planting progressed well despite scattered rainfall across the State.

Producers in central areas, western half of Whitman County neared completion, whereas eastern Whitman, northeastern corner of the State continued to progress steadily. Corn 100% good. Corn silage 35% harvested, 34% 1996, 38% avg. Potatoes 4% fair, 92% good, 4% excellent; 41% harvested, 35% 1996, 35% avg. Dry beans 100% good; 55% harvested, 37% 1996, 45% avg. Hay, other roughage supplies 17% short, 70% adequate, and 13% surplus. Haying was delayed across most of the State due to rain showers. Range, pasture feed 25% poor, 24% fair, 50% good, 1% excellent. Pasture growth improved with recent rainfall. Blueberry harvest continued. Cranberry quality continued to improve with good harvest prospects. In central areas, rain delayed the apple, grape harvests for some producers, cool nights, sunny days continued to help fruit development in many areas. D'Anjou pear and Gala apple harvests neared completion. Golden Delicious apple harvest was well underway, Early Red Delicious, Jonagold apple harvests began. Grape growers were concerned about bunch rot. Hop harvest continued. Rainfall throughout the week limited many vegetable harvests. Growers in western areas were concerned about standing water in fields that remained to be harvested.

**WEST VIRGINIA:** Days suitable for fieldwork 5.4. Topsoil 2% very short, 30% short, 67% adequate, 1% surplus. Corn 6% very poor, 16% poor, 28% fair, 50% good; 95% dough stage, 97% 1996, 97% avg.; 49% dent stage, 77% 1996; 13% mature, 48% 1996, 71% avg.; 4% harvested grain, 3% 1996, 20% avg. Hay 3% very poor, 10% poor, 36% fair, 47% good, 4% excellent; 2nd cutting 95%, 88% 1996, 91% avg.; 3rd cutting 53%, 50% 1996, 68% avg. Soybeans 36% fair, 64% good; 62% dropping leaves, 58% 1996, 51% avg.; 1% harvested grain. Tobacco 85% harvested, 83% 1996, 79% avg. Wheat planted 16%, 8% 1996. Apple 58% fair, 35% good, 7% excellent; 35% harvested. Cattle 2% poor, 23% fair, 68% good, 7% excellent. Sheep 30% fair, 62% good, 8% excellent. Activities: Making hay, harvesting apples, corn and tobacco, soil preparation for alfalfa and winter wheat planting, marketing cattle, clipping pastures.

**WISCONSIN:** Days suitable for fieldwork 4.8. Soil moisture 3% short, 75% adequate, 22% surplus. Southeast, north central areas of the State received over 2.5 in. of rain, with most of it falling during the last part of the week. Most areas of the State were hit with low temperatures in the thirties, as of the 21st morning. Moist fields made it difficult to bale hay, to chop corn for silage. Corn silo filling was at 12% complete, compared to 16% 1996, 19% avg. Juicy corn stalks have made "silos run like a river" commented a Barron County reporter. Third crop hay harvest was 77% complete, 79% 1996, 69% avg. A reporter from Chippewa County noted third crop was mostly done, with good quantity, quality may be lacking. A reporter in Dane County recorded high-oil corn had poor pollination this year. Soybean 4% poor, 13% fair, 53% good, 30% excellent; were still some reports of white mold, high weed population. A Columbia County reporter suggested farmers may start combining beans by October 1. Soybeans with leaves turning color was at 93%, 72% 1996, 67% avg. Soybeans shedding their leaves was at 40%, 22% 1996, 24% avg. Potato harvest had been going well in Langlade and Oneida counties, until the rains came. A reporter from Price County noted that the apple crop is the best ever, even without spraying the quality is good. Winter wheat was being planted in Oconto, Kewaunee, Sheboygan, and Walworth counties. Cranberry growers were getting set up to start harvest. Fall tillage was at 5% started, same as last year, and only one point ahead of the average. Pasture feed 1% very poor, 2% poor, 20% fair, 60% good, 17% excellent.

**WYOMING:** Days suitable for fieldwork 4.3. Topsoil 2% very short, 20% short, 45% adequate, 33% surplus. 1998 winter wheat 92% planted, 82% 1997, 79% avg.; 68% emerged, 55% 1997, 43% avg. Barley 93% harvested, 95% 1996, 94% avg. Oats 91% harvested, 90% 1996, 89% avg. Spring wheat 95% harvested, 99% 1996, 92% avg. Corn 95% dented, 97% 1996, 78% avg.; 66% mature, 73% 1996, 38% avg.; 70% harvested for silage, 67% 1996, 56% avg. Dry beans 79% combined, 83% 1996, 55% avg. Alfalfa 95% second cutting complete, 95% 1996, 96% avg.; 34% 3rd cutting complete, 45% 1996, 46% avg. Range, pasture feed 2% very poor, 6% poor, 15% fair, 66% good, 11% excellent. Stock water supplies mostly adequate.

# International Weather and Crop Summary

September 14 - 20, 1997

## HIGHLIGHTS

**FSU-WESTERN:** Mostly dry weather in southern and eastern Ukraine and southern Russia benefited summer crop harvesting and winter wheat planting.

**FSU-NEW LANDS:** Unseasonably warm and generally dry weather favored spring grain development and harvesting.

**EUROPE:** Mild, dry weather allowed corn and sunflower harvesting to progress northward without delays.

**CANADA:** Showers hampered Prairie harvest efforts as the first killing freeze covered the region.

**EASTERN ASIA:** After last week's rain, drier weather favored early fieldwork across the North China Plain. Sub-freezing temperatures ended the growing season in extreme northern Manchuria.

**SOUTHEAST ASIA:** Drought was developing across Java, while showers boosted moisture supplies in Thailand and most of the Philippines.

**SOUTH AMERICA:** In Argentina, cool weather again burned back vegetative winter wheat in Buenos Aires. In southern Brazil, rain aided filling wheat in Rio Grande do Sul, but slowed harvesting farther north.

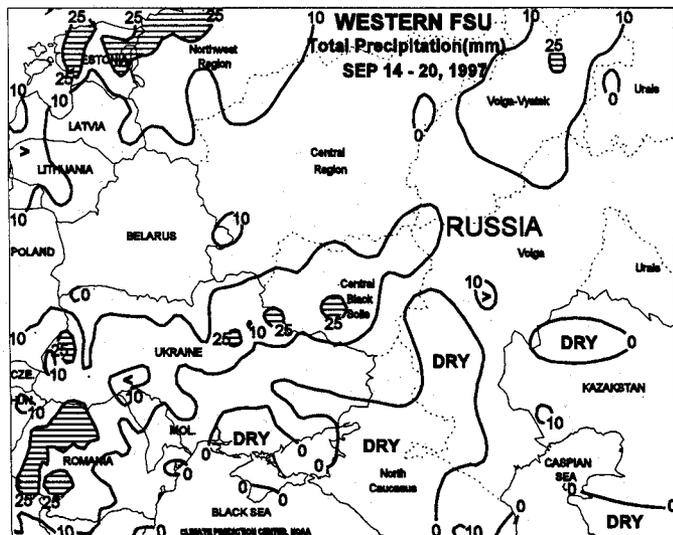
**MEXICO:** Mostly dry weather reduced soil moisture in the western corn belt, while rain favored filling corn across the eastern corn belt.

**AUSTRALIA:** Beneficial rain returned to the eastern grain belt.

**SOUTH ASIA:** Monsoon activity dwindled, signaling the approaching dry season.

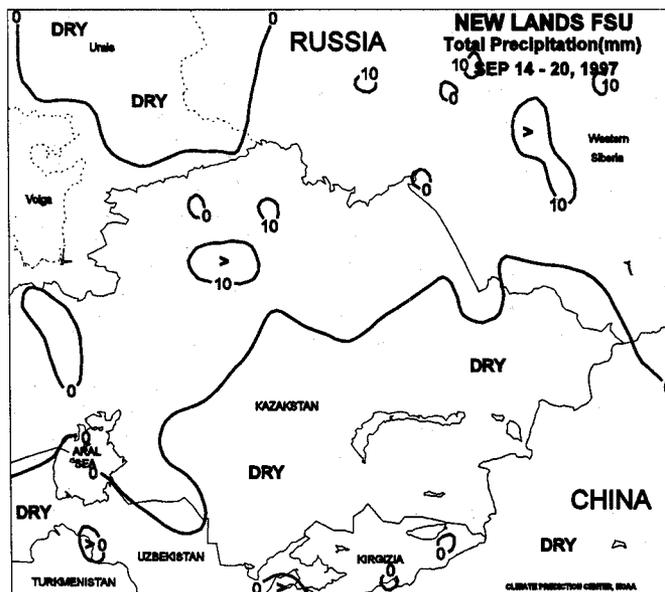
### FSU-WESTERN

Typically, harvesting of summer crops, including corn, sunflower, sugar beet, and potatoes, was well underway in most areas. Planting of the 1998 winter grain crop was progressing in Ukraine and southern areas in Russia. Mostly dry weather in southern and eastern Ukraine, the North Caucasus region in Russia, and Belarus helped summer crop harvesting and winter wheat planting. Early in the week, light to moderate showers (10-34 mm) fell in a narrow band that stretched from southwestern Ukraine northeastward through northern Ukraine into the Central Black Soils Region of Russia. Although the precipitation interrupted fieldwork, it provided topsoil moisture for winter wheat emergence. Dry weather returned to these areas by mid-week and persisted until week's end, allowing fieldwork to progress without delay. Weekly temperatures averaged 1 to 3 degrees C above normal in Russia, favoring winter grain emergence and establishment. Weekly temperatures averaged near normal in Ukraine.



### NEW LANDS

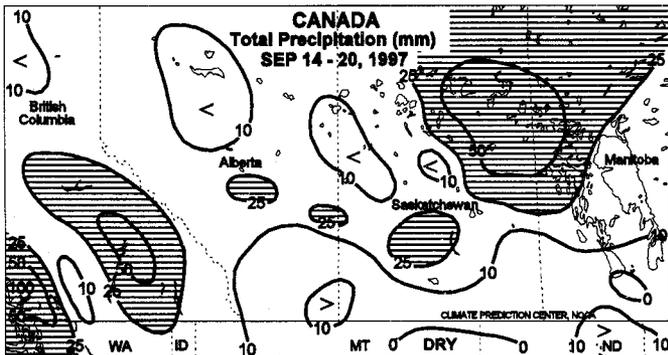
In Russia, spring grain harvesting was likely well underway in the Urals and southern areas in Western and Eastern Siberia. Mostly dry weather in these areas favored harvest activities. Reports as of September 15 for all of Russia indicated that small grains and pulses, excluding corn, were 76 percent harvested. Above-normal temperatures prevailed over most areas in Russia. The mild weather boosted crop development in northern areas of Western and Eastern Siberia, where crop development was likely lagging behind normal due to unseasonably cool weather during the growing season. In Kazakstan, the sixth consecutive week of dryness allowed spring grain harvesting to progress rapidly. Reports as of September 18 indicate that the grain in Kazakstan was about 70 percent harvested. Weekly temperatures averaged 2 to 4 degrees C above normal in Kazakstan. In cotton-growing areas of Central Asia, mild, dry weather promoted cotton development and favored harvest activities. Typically, cotton harvesting begins in mid-September and continues through November.





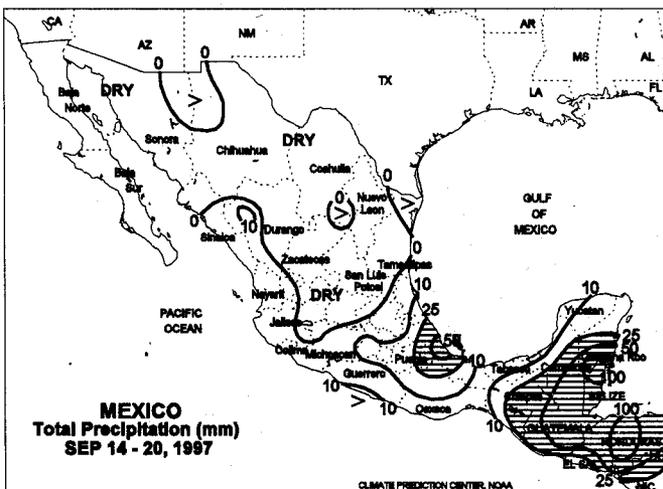
**EUROPE**

Early in the week, a frontal system brought light to moderate showers (10-25 mm) and cool weather to southeastern Europe and parts of Scandinavia. The precipitation moistened topsoils for winter grain planting and emergence and caused only brief delays in summer crop harvesting. Generally dry weather prevailed over the remainder of Europe, allowing corn and sunflower harvesting to progress without delays. Mostly dry weather in France, Italy's Po Valley, and Germany favored early harvesting of corn and other summer crops as well as land preparation for winter wheat planting. Typically, winter wheat planting occurs from September through October in Scandinavia and eastern Europe, and from October through November in France, the United Kingdom, and Germany. Weekly temperatures averaged 2 to 3 degrees C above normal in western Europe and 1 to 3 degrees C below normal in the east.



**CANADA**

Colder, wetter weather throughout the Prairies hampered final harvest efforts. Precipitation ranged from 5 to 15 mm at most locations, although heavier rain (25-50 mm) soaked extreme northeastern crop areas, possibly causing isolated lodging. Much of the region experienced its first killing freeze of the season as lows generally ranged from -1 to -4 degrees C. Farther east, light to moderate rain (25 mm or less in most locations) continued to hamper autumn fieldwork, but warmer conditions (temperatures averaging 2-3 degrees C above normal) aided development of immature summer crops.

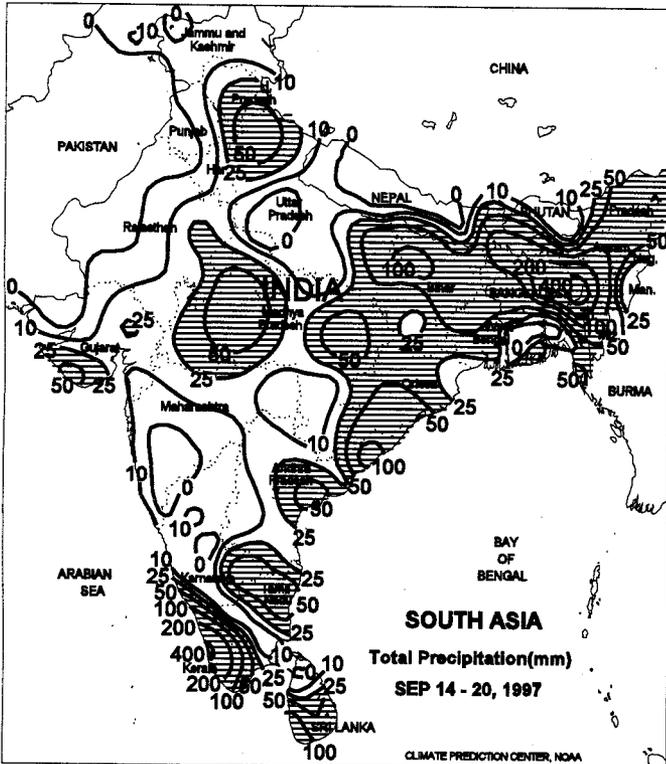


**MEXICO**

Mostly dry weather reduced soil moisture in the western corn belt, while rain (10-30 mm) favored filling corn across the eastern corn belt. The drought continued across northeastern Mexico, while scattered monsoon showers (5-20 mm) were reported in the northwest. Showers (25-100 mm) benefited corn in the Yucatan peninsula. Temperatures averaged 2 to 5 degrees C above normal.

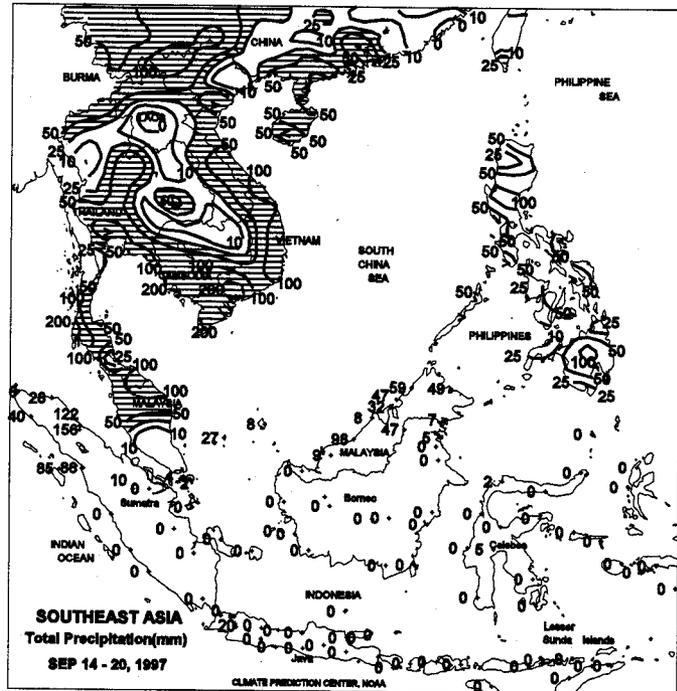
**SOUTH ASIA**

Following last week's jump in monsoon activity, rainfall and coverage dwindled to levels more characteristic of mid-September. However, pockets of beneficial rain (25-50 mm or greater) stretched across central India, providing late-season moisture for immature grains, oilseeds, and cotton. This included a large portion of west-central India centered over the main soybean belt. Elsewhere, scattered showers boosted moisture levels for rice throughout the east, and along the southeast coast. Seasonable dryness was entrenched across the north as the monsoon continued its seasonal retreat. Complete dryness typically encompasses the northern half of the region by mid-October.



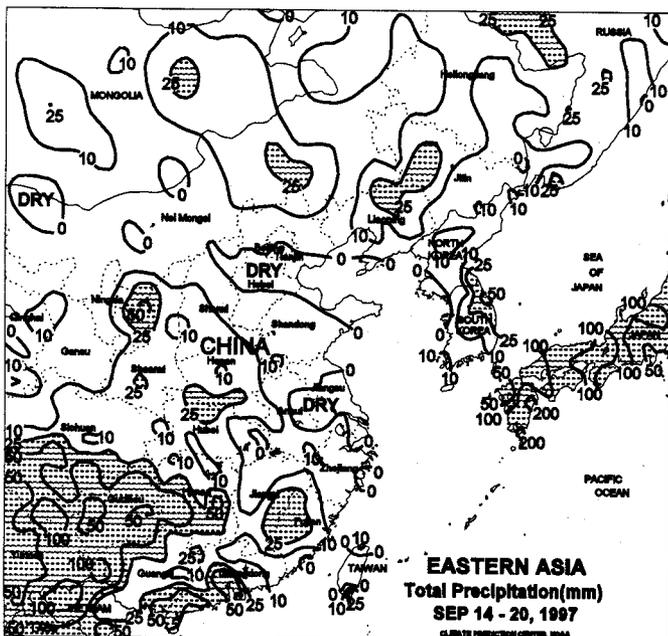
**SOUTHEAST ASIA**

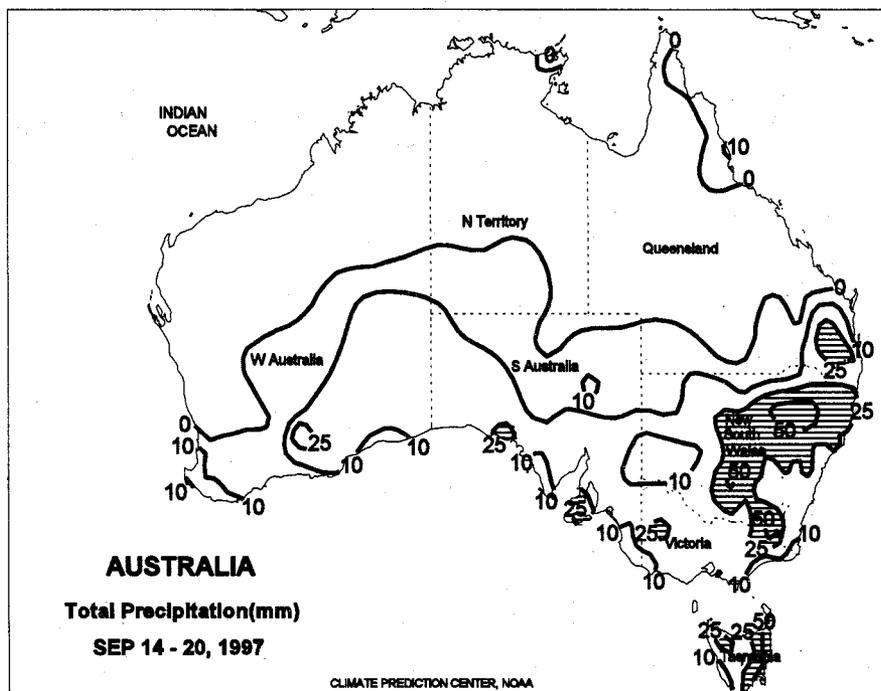
Across Java and southern Sumatra, drought was developing after 4 to 6 weeks of mostly dry weather. During mid-September, this region typically receives 7 to 15 mm of rain per week, and by late October and early November rainfall increases to 25 mm per week. Widespread showers (25-100 mm) covered most of Thailand and the Philippines, increasing moisture supplies. Heavier showers (100-200 mm) caused some flooding in south-central Thailand. Moderate to heavy showers (30-120 mm) slowed 10th-month rice harvesting in northern Vietnam and summer-autumn rice in southern Vietnam. Moderate showers (40-100 mm) were reported across peninsular Malaysia.



**EASTERN ASIA**

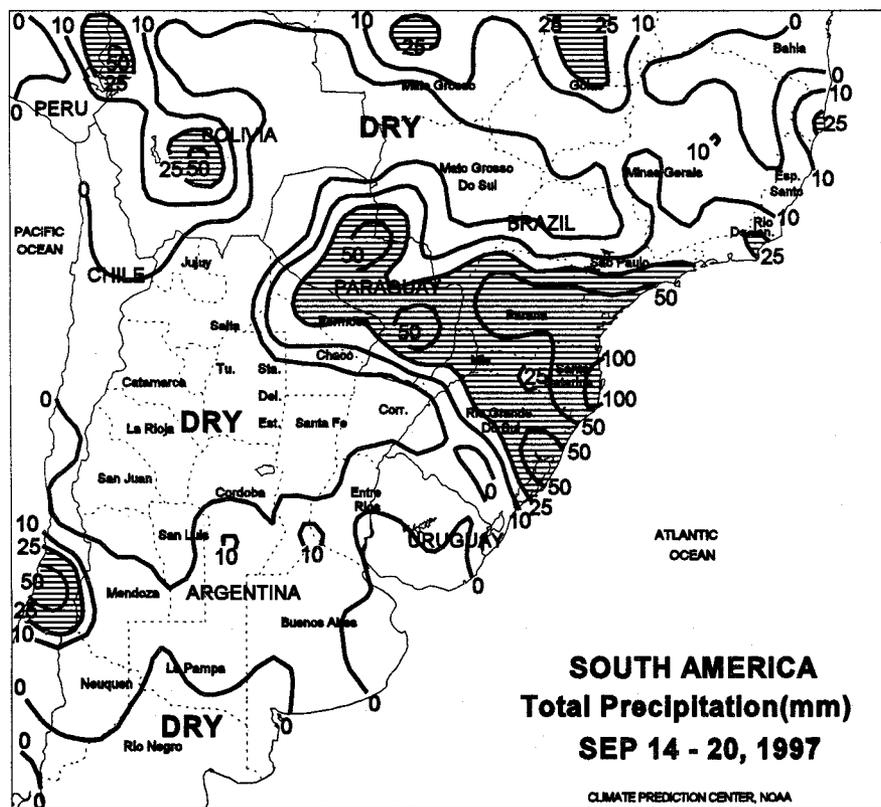
Drier weather (less than 5 mm) prevailed across the North China Plain, favoring early summer crop harvesting and winter wheat planting. Topsoil moisture is adequate for winter wheat planting due to last week's rainfall. To the west (Henan, southern Shanxi, and Shaanxi), early-week moderate rain (10-30 mm) also increased topsoil moisture. Sub-freezing temperatures ended the growing season in northern Heilongjiang, with scattered frost reported elsewhere in the province. The frost was about a week earlier than usual. Showers (20-75 mm) maintained moisture supplies for late double-crop rice across southern China. Temperatures averaged 2 to 5 degrees C below normal across most of China. Mostly dry weather (less than 10 mm) favored early maturing summer crops across the western Korean Peninsula. Wet weather (40-90 mm in the north; 75-200 mm in the south) covered Japan, slowing maturing rice and causing local flooding and crop damage. Typhoon David, which brushed the country on September 18 and 19, contributed to the heavy rain. Temperatures averaged 1 to 3 degrees C below normal across the Korean Peninsula, 1 to 2 degrees C above normal across southern Japan, and near normal across northern Japan.





**AUSTRALIA**

Widespread showers (10-25 mm or more) returned to the east, benefiting winter grains that ranged from filling in Queensland to vegetative development farther south. Heaviest rain (25-65 mm) was concentrated over central New South Wales, with moderate showers (25-33 mm) helping eastern sections of the Queensland winter grain belt. However, dry, warm weather elsewhere from Darling Downs northward only hastened maturity. Cotton and sorghum planting, typically underway by now, may be facing difficulties from recent dryness. Moisture is also needed in east-central Australia for pasture growth. Dry, warm weather in Western Australia aided winter crop development following last week's beneficial rain. In New Zealand, mostly dry, seasonably cool weather continued throughout the main agricultural areas.



**SOUTH AMERICA**

In Argentina, cool weather (lows ranged from 1 to -4 degrees C on September 18 and 19) again burned back early winter wheat growth across most of Buenos Aires. Light rain (3-15 mm) provided some relief from dryness across Cordoba, but more rain is needed. In southern Brazil, moderate rain (40-70 mm) slowed early winter wheat harvesting in Parana, but favored filling wheat in Rio Grande do Sul. This moisture also increased topsoil moisture for corn and soybean field preparations. Temperatures averaged 2 to 3 degrees C below normal from Buenos Aires, Argentina northeastward into southern Rio Grande do Sul. From Parana northward, temperatures averaged 3 to 6 degrees C above normal (highs ranging from 35-38 degrees C).

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**NOTE: Because rainfall data as decoded by the Climate Prediction Center (CPC) have been incomplete since the start of September, many reports have been omitted from the U.S. city table this week (pages 7-9). CPC is working on the problem and expects to have it corrected soon.**

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