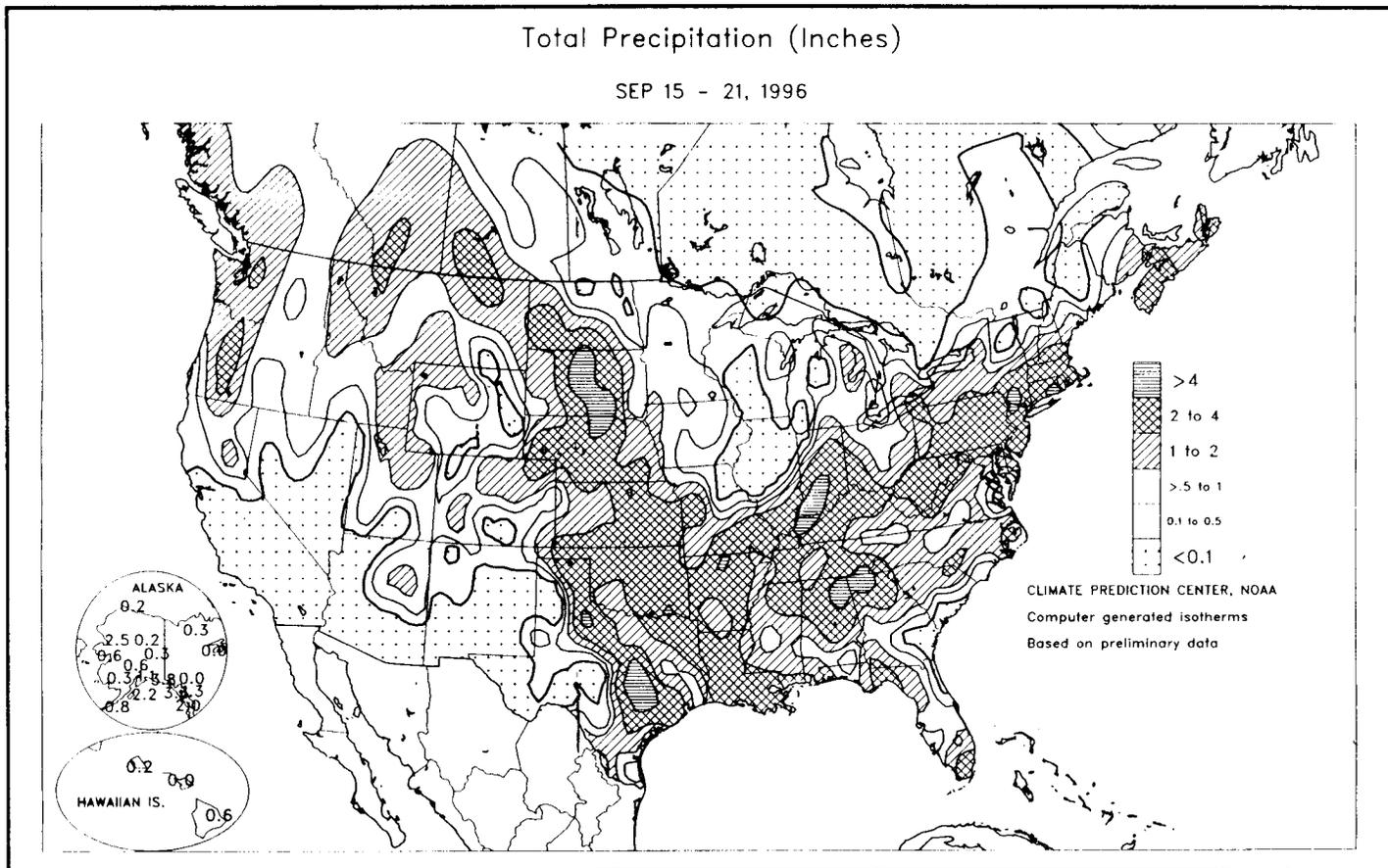


WEEKLY WEATHER AND CROP BULLETIN

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

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



HIGHLIGHTS

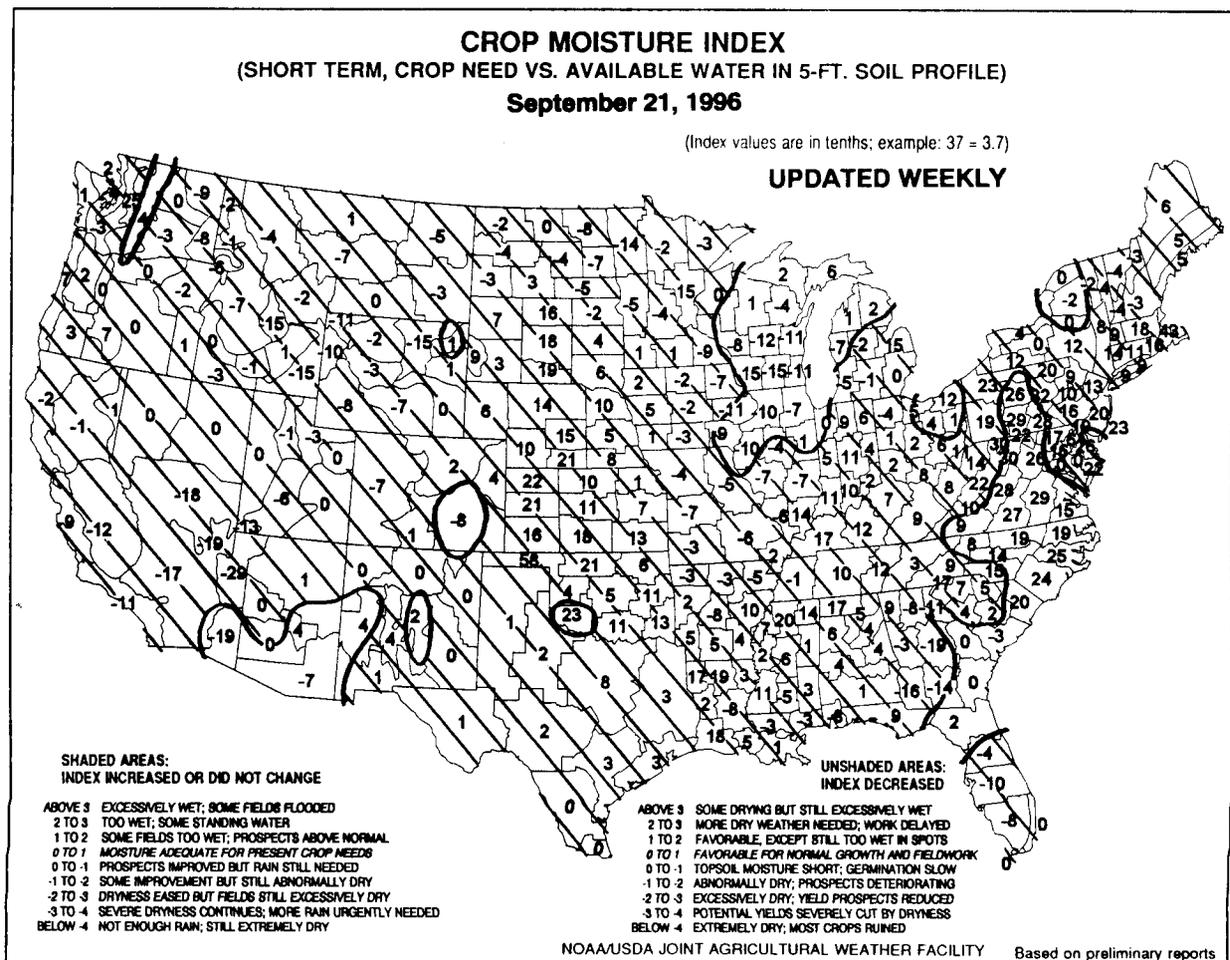
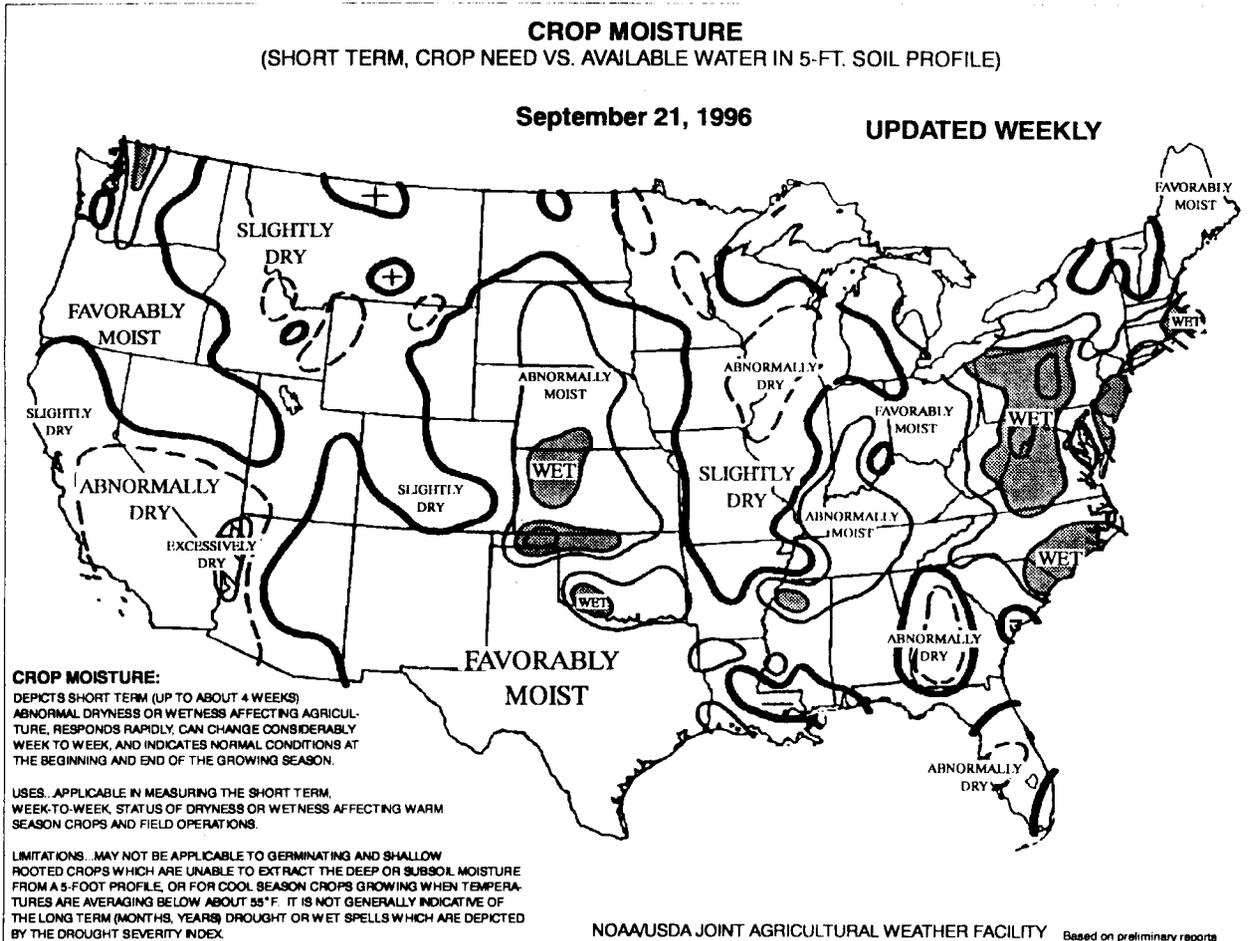
September 15 - 21, 1996

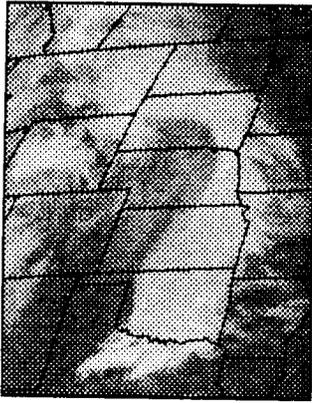
A low-pressure system, imbued with remnant moisture from eastern Pacific Hurricane Fausto, soaked a broad area from the southern and central Plains to the Middle Atlantic States and southern New England early in the week. Meanwhile, a slow-moving storm system delivered much-needed moisture to the Northwest, including the season's first significant snowfall in some mountain locations. Weekly temperatures averaged 6°F or more below normal from the interior Northwest to the central Plains, while above-normal readings were confined to extreme northern and southern portions of the Nation. At midweek, heavy rain spread into the northern and central Plains, shifting into the East at week's end.

(Continued on page 3)

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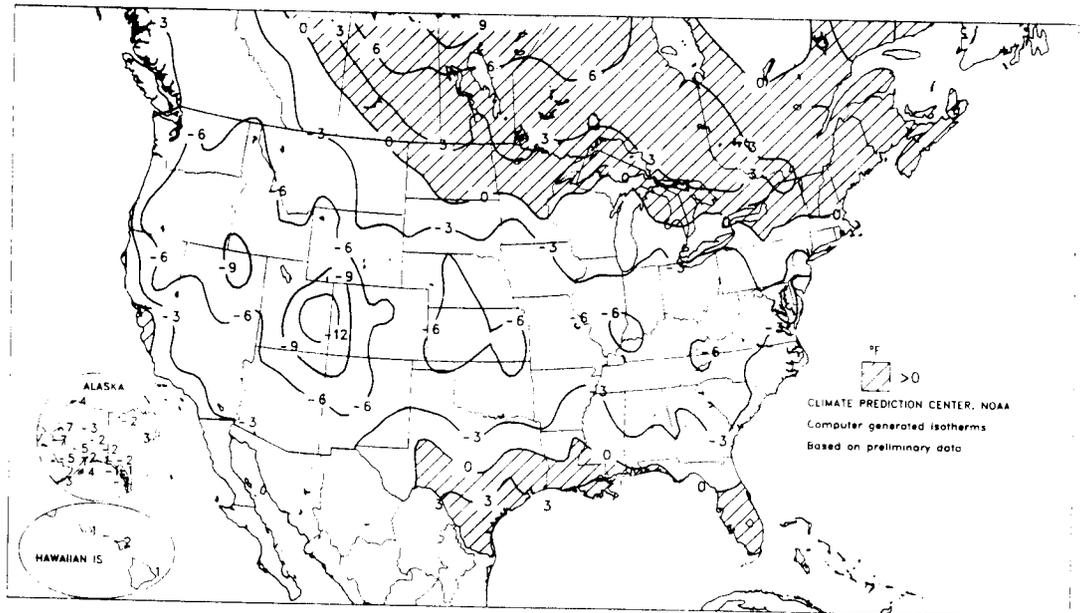
GOES-8 IR

Sept. 18, 1996, 16:45 UTC

(Continued from front cover)
 On Sunday, cool air lingered across the **East** and the **Midwest**, where **Evansville, IN** (41°F) noted a daily-record low. Meanwhile, **Fausto**-enhanced rains spread east-northeastward from **Kansas** and **Oklahoma**, totaling 2 inches or more in many locations. By Tuesday, monthly rainfall reached a September-record 11.41 inches in **Lynchburg, VA**, and an all-time-record 13.59 inches in **Raleigh-Durham, NC**. At **Massachusetts' Blue Hill Observatory**, a 4.71-inch total on September 17-18 represented their greatest 24-hour total since 1984. In addition, **Blue Hill's** winds gusted to 53 mph, while nearby **Boston's** peak gust reached 46 mph. An unrelated tropical disturbance near **Puerto Rico** sparked more than 3 inches of rain in **San Juan** on Monday, boosting their monthly rainfall to a September-record 14.05 inches. In contrast, very dry weather persisted from **Wisconsin** southward into **northeastern Missouri** and **central Illinois**.

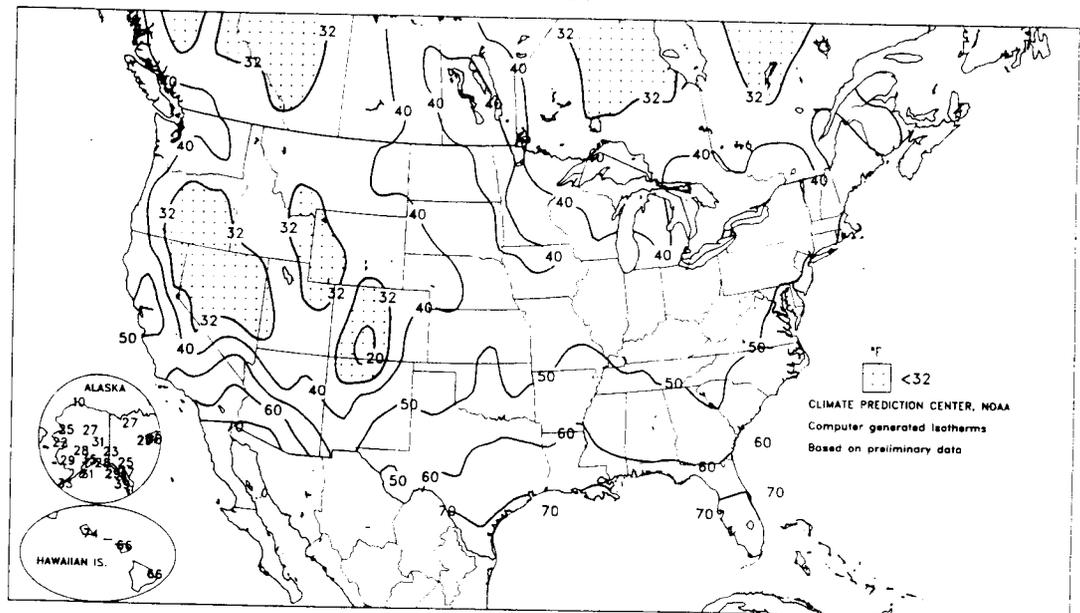
Departure of Average Temperature from Normal (°F)

SEP 15 - 21, 1996



Extreme Minimum Temperature (°F)

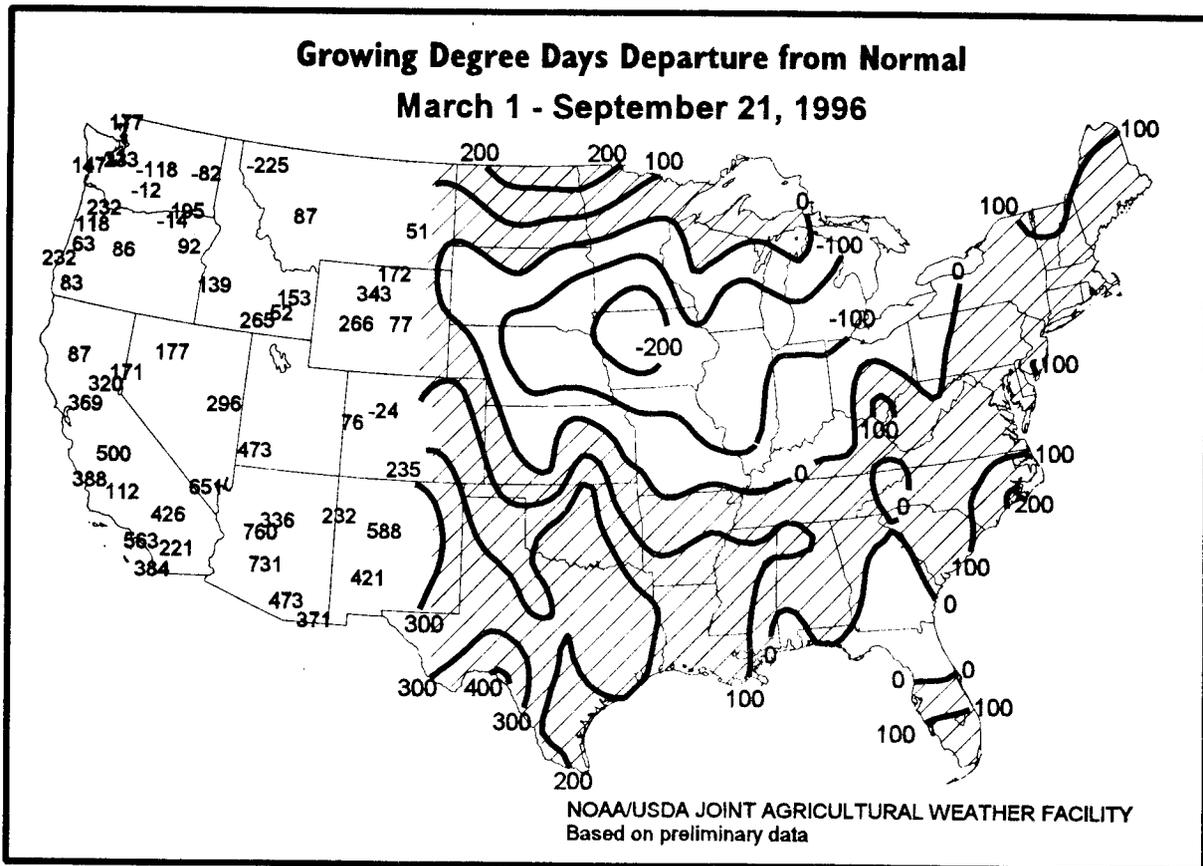
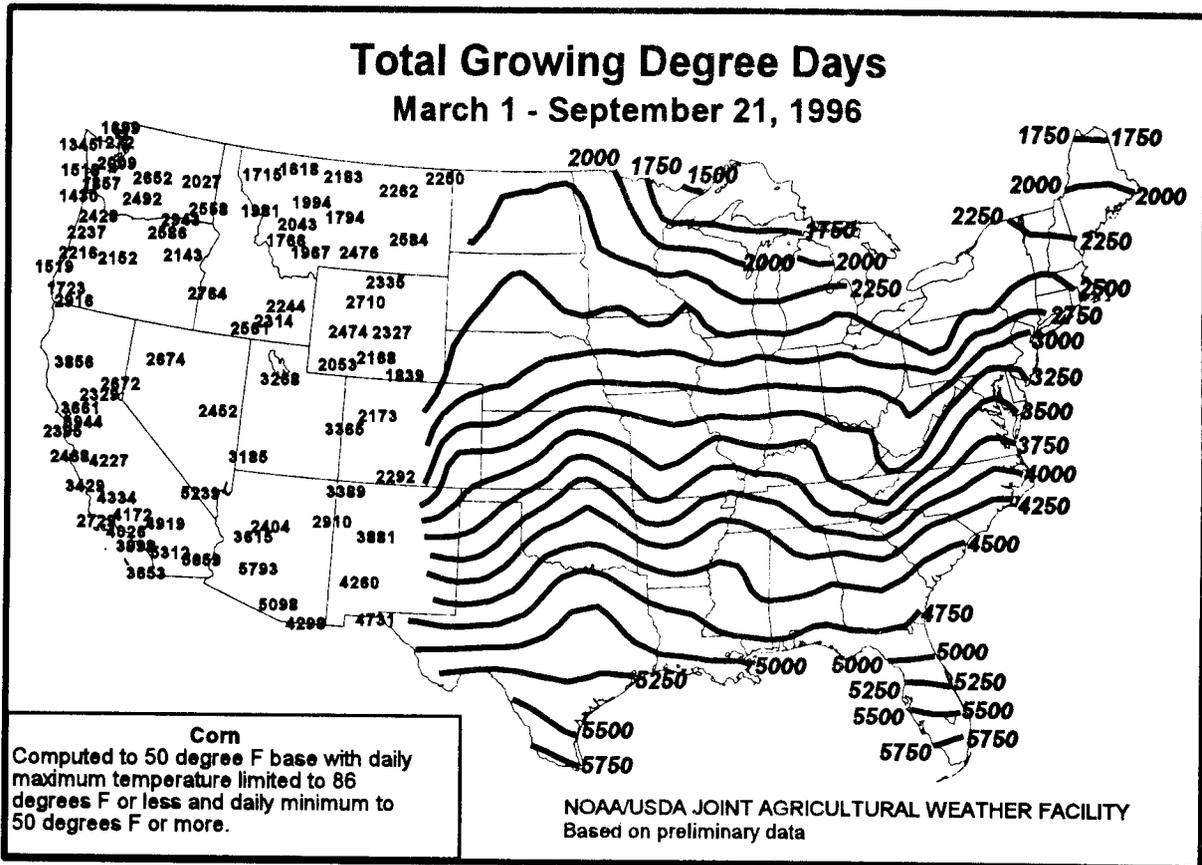
SEP 15 - 21, 1996



Warm, humid conditions prevailed from **southern Texas** to **southern Florida**. Daily-record highs were established in **Miami Beach, FL** on Tuesday (92°F) and Thursday (94°F). In **Lake Charles, LA**, a low of 82°F (on Wednesday) was their highest September minimum on record. Farther north, clouds and rainfall held early-week maxima to 56°F (on Sunday) in **Russell, KS** and 66°F (on Monday) in **Tulsa, OK**. Meanwhile, heavy snow developed as far south as **Utah's Wasatch Range**, where **Alta** received 12 inches on September 16-17. On Wednesday, **Alta's** low of 17°F and high of 35°F were both records for the date.

Heavy rain greatly eased the nearly 4-month drought in the **northern Plains** and **northern Rockies**. In **Glasgow, MT**, the weekly total of 2.55 inches accounted for 32 percent of their year-to-date total. Weekly rainfall also topped 2 inches in locations such as **Bismarck, ND**, **Huron, SD**, and **Valentine, NE**. The storm also added to 4-month moisture surpluses on the **central Plains**. In **Dodge City, KS**, 24.72 inches fell between May 24 and September 19 (119 days), easily surpassing their normal annual total of 21.49 inches. Daily-record rainfall occurred in several locations, including **North Platte, NE** (1.69 inches on Thursday) and **Evansville, IN** (2.83 inches on Saturday). Rainfall in **Ohio** on Sunday (September 22) lifted **Cleveland's** monthly total to a September-record 9.56 inches.

Warm weather prevailed in **Hawaii**, including a daily-record high of 94°F in **Kahului** on Monday. In contrast, colder-than-normal weather prevailed in **Alaska**, accompanied by heavy precipitation across parts of the west and south. **Kodiak** notched a daily-record low (32°F) on September 16, followed by more than 2 inches of rain during the ensuing 48 hours. **Barrow's** low dipped to a daily-record-tying 10°F on Friday.



National Weather Data for Selected Cities

Weather Data for the Week Ending September 21, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	PRECIP.		
																		01 INCH OR MORE	.05 INCH OR MORE	
AL BIRMINGHAM	80	60	86	63	80	-3	1.04	0.12	0.90	3.98	140	49.98	121	94	67	0	0	3	1	
MOBILE	86	68	89	63	78	-1	2.53	1.20	0.96	2.76	63	49.73	96	94	58	0	0	4	3	
MONTGOMERY	83	62	89	66	73	-2	3.28	2.41	2.46	6.25	232	63.37	128	96	52	0	0	3	2	
AK ANCHORAGE	62	40	67	36	46	-2	1.11	0.48	0.91	1.28	67	9.56	97	93	63	0	0	5	1	
BARROW	29	23	29	10	28	-4	0.22	0.08	0.12	0.92	208	3.27	97	91	80	0	7	5	0	
FAIRBANKS	50	36	59	31	42	-2	0.28	0.09	0.15	0.48	70	6.42	103	93	56	0	3	3	0	
JUNEAU	53	43	59	37	48	-1	-	-	-	-	-	-	97	71	0	0	-	-		
KODIAK	53	39	56	31	46	-4	2.24	0.56	1.83	7.48	156	36.44	80	91	56	0	2	2	2	
NOME	42	28	44	22	35	-7	0.61	0.08	0.80	0.61	34	12.43	112	89	51	0	7	2	1	
AZ PHOENIX	91	72	97	66	81	-3	0.00	-0.19	0.00	0.53	86	3.96	71	56	22	3	0	0	0	
PRESCOTT	74	48	84	44	61	-1	0.00	-0.42	0.00	0.98	86	6.50	44	84	39	0	0	0	0	
TUCSON	88	64	93	61	78	-4	0.00	-0.37	0.00	2.68	220	7.55	96	82	25	1	0	0	0	
YUMA	94	74	99	72	84	-2	0.00	-0.08	0.00	0.00	0	0.93	43	63	22	7	0	0	0	
AR FORT SMITH	78	60	82	64	68	-4	2.33	1.56	1.94	2.33	104	37.97	129	98	63	0	0	4	1	
LITTLE ROCK	-	-	-	-	-	-	2.62	1.52	-	2.90	101	32.58	94	-	-	-	-	-		
CA BAKERSFIELD	86	57	93	56	71	-5	0.00	-0.04	0.00	0.00	0	4.20	104	80	26	2	0	0	0	
EUREKA	64	51	67	48	57	0	0.90	0.68	0.88	1.70	321	31.14	141	93	53	0	0	2	1	
FRESNO	87	57	94	63	72	-2	0.00	-0.06	0.00	0.00	0	8.14	114	70	23	2	0	0	0	
LOS ANGELES	75	63	77	61	69	-1	0.00	-0.08	0.00	0.00	0	8.72	107	90	49	0	0	0	0	
REDDING	84	57	91	62	71	-3	0.02	-0.20	0.02	0.54	96	28.22	141	68	20	1	0	1	0	
SACRAMENTO	87	56	93	62	71	0	0.00	-0.09	0.00	0.00	0	15.85	143	81	22	3	0	0	0	
SAN DIEGO	74	66	76	66	70	-1	0.00	-0.06	0.00	0.00	0	3.94	61	80	49	0	0	0	0	
SAN FRANCISCO	78	56	81	54	66	-1	0.00	-0.08	0.00	0.00	0	18.46	149	90	44	0	0	0	0	
CO DENVER	67	42	78	33	55	-6	0.36	0.08	0.34	0.66	74	7.10	58	91	38	0	0	2	0	
GRAND JUNCTION	68	43	78	40	55	-12	0.40	0.16	0.21	1.54	214	7.14	98	86	39	0	0	3	0	
PUEBLO	75	46	84	36	60	-5	0.67	0.49	0.83	0.86	125	11.46	120	89	32	0	0	3	1	
CT BRIDGEPORT	70	56	76	63	63	-2	2.67	1.96	2.33	3.09	144	36.91	121	90	57	0	0	3	1	
HARTFORD	70	49	77	44	60	-3	2.94	2.06	1.47	4.15	157	37.24	118	96	54	0	0	2	2	
DC WASHINGTON	74	59	79	56	66	-4	0.92	0.16	0.91	6.46	274	36.56	128	89	54	0	0	2	1	
FL PANAMA CITY	84	71	86	64	78	0	-	-	-	-	-	-	93	66	0	0	-	-		
DAYTONA BEACH	87	72	91	67	79	0	0.09	-1.38	0.06	3.06	67	45.52	124	93	60	2	0	2	0	
JACKSONVILLE	86	67	88	62	76	-3	0.66	-1.01	0.37	3.60	71	39.47	102	95	59	0	0	2	0	
KEY WEST	90	79	91	75	85	1	0.04	-1.33	0.04	3.61	87	24.80	86	86	66	4	0	1	0	
MIAMI	90	78	93	75	83	1	1.31	-0.46	0.51	6.57	121	44.48	101	88	58	3	0	5	1	
ORLANDO	88	73	92	71	81	0	0.68	-0.68	0.32	5.72	128	50.00	126	96	60	3	0	4	0	
TALLAHASSEE	86	67	92	60	76	-2	1.09	-0.14	0.73	3.03	73	39.20	74	96	61	1	0	3	1	
TAMPA	90	78	92	73	83	2	0.68	-0.64	0.63	3.14	70	37.54	102	92	66	5	0	3	1	
WEST PALM BEACH	90	75	92	73	83	1	0.86	-0.84	0.64	3.66	74	30.15	89	92	58	4	0	3	1	
GA ATLANTA	81	61	86	57	71	-1	2.98	2.18	1.50	3.49	144	35.68	92	86	51	0	0	2	2	
AUGUSTA	82	57	89	50	70	-4	0.47	-0.20	0.33	1.40	64	29.09	83	95	49	0	0	3	0	
MACON	85	59	91	51	72	-2	0.56	-0.06	0.41	1.30	64	28.79	77	94	48	1	0	2	0	
SAVANNAH	86	63	92	58	74	-2	0.00	-0.94	0.00	2.02	60	24.86	61	91	51	1	0	0	0	
HI HILO	86	69	88	66	77	1	0.60	-1.36	0.17	5.68	96	66.36	96	90	62	0	0	5	0	
HONOLULU	89	76	89	74	82	1	0.17	-0.03	0.17	0.78	181	12.23	97	77	51	0	0	1	0	
KAHULUI	90	70	94	66	80	2	-	-	-	-	-	-	78	51	4	0	-	-		
LIHUE	-	77	-	73	-	-	-	-	-	-	-	-	80	70	-	0	-	-		
ID BOISE	66	44	70	38	54	-7	0.42	0.23	0.42	0.46	82	8.11	98	85	36	0	0	1	0	
LEWISTON	64	48	68	43	56	-7	0.18	-0.01	0.08	0.25	43	11.70	130	84	40	0	0	3	0	
POCATELLO	61	40	74	32	51	-7	1.12	0.93	0.71	1.26	217	6.80	101	84	42	0	1	3	1	
IL CHICAGO	70	51	73	48	60	-3	0.04	-0.83	0.03	0.73	26	24.17	89	96	58	0	0	2	0	
MOLINE	72	50	75	44	61	-3	0.04	-0.89	0.04	0.82	21	22.63	74	93	45	0	0	1	0	
PEORIA	74	50	77	44	62	-3	0.01	-0.91	0.01	0.19	7	22.00	80	89	40	0	0	1	0	
QUINCY	71	49	73	43	60	-6	-	-	-	-	-	-	92	43	0	0	-	-		
ROCKFORD	71	49	75	45	60	-2	0.06	-0.82	0.06	0.30	11	34.88	125	96	49	0	0	1	0	
SPRINGFIELD	75	48	80	40	61	-5	0.10	-0.68	0.06	0.18	8	24.54	92	96	43	0	0	3	0	
IN EVANSVILLE	73	51	77	41	62	-7	5.29	4.57	2.84	6.21	282	45.50	134	97	56	0	0	5	3	
FORT WAYNE	70	49	77	42	59	-5	1.71	1.11	1.66	2.00	106	33.41	129	96	53	0	0	3	1	
INDIANAPOLIS	70	52	75	45	61	-5	3.92	3.27	2.52	4.79	234	39.58	132	94	57	0	0	2	2	
SOUTH BEND	68	49	75	43	59	-4	0.29	-0.56	0.20	1.68	65	33.29	117	95	59	0	0	3	0	
IA DES MOINES	69	49	71	42	59	-3	0.43	-0.46	0.38	1.30	48	25.76	95	94	52	0	0	2	0	
SIOUX CITY	67	48	71	44	58	-4	0.71	0.04	0.68	1.90	92	28.20	132	94	53	0	0	3	1	
WATERLOO	72	48	74	39	59	-2	0.48	-0.33	0.46	2.01	80	20.89	76	92	48	0	0	2	0	
KS CONCORDIA	70	51	78	48	60	-6	4.92	4.23	2.58	4.98	228	21.57	90	95	56	0	0	5	3	
DODGE CITY	70	53	79	48	61	-7	1.56	1.13	1.27	3.45	246	23.39	128	96	65	0	0	3	1	
GOODLAND	68	49	80	44	58	-5	0.47	0.11	0.21	0.51	45	18.33	116	92	59	0	0	3	0	
TOPEKA	70	51	79	45	60	-6	1.27	0.39	0.79	2.09	77	29.61	106	96	56	0	0	4	1	
WICHITA	71	56	77	50	63	-6	2.99	2.09	1.16	3.33	122	20.11	73	94	63	0	0	5	3	
KY BOWLING GREEN	75	53	80	47	64	-5	2.28	1.41	1.20	4.18	169	41.47	111	100	58	0	0	3	2	
LEXINGTON	72	52	76	45	62	-5														

Weather Data for the Week Ending September 21, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN., SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	80 AND ABOVE	82 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	05 INCH OR MORE		
ME CARIBOU	64	43	70	37	54	1	0.46	-0.32	0.46	2.46	100	30.33	117	96	57	0	0	1	0		
ME PORTLAND	66	51	76	44	59	1	0.83	-0.10	0.69	2.98	141	32.07	107	91	64	0	0	3	1		
MD BALTIMORE	74	54	78	49	64	-4	1.83	0.86	1.31	4.00	164	38.91	129	96	54	0	0	2	1		
MD SALISBURY	77	54	79	50	66	-2	0.00	-0.81	0.00	1.47	56	39.62	118	96	51	0	0	0	0		
MA BOSTON	70	57	77	56	63	0	3.02	2.30	1.71	4.69	213	32.07	110	87	58	0	0	3	2		
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI ALPENA	68	48	74	38	58	2	0.83	0.12	0.70	4.08	180	19.41	89	96	53	0	0	3	1		
MI DETROIT	70	52	76	48	61	-1	0.50	-0.16	0.50	2.20	106	17.36	71	90	48	0	0	1	1		
MI FLINT	70	48	76	36	58	-2	0.41	-0.41	0.41	1.48	57	17.47	78	96	47	0	0	1	0		
MI GRAND RAPIDS	69	50	76	45	59	0	0.61	-0.39	0.61	1.37	46	19.38	74	90	48	0	0	1	1		
MI HOUGHTON LAKE	67	48	73	36	56	0	0.38	-0.41	0.33	3.08	126	26.50	126	97	57	0	0	3	0		
MI LANSING	68	46	76	37	57	-3	0.56	-0.34	0.66	1.44	52	20.89	90	96	48	0	0	1	1		
MI MARQUETTE	62	44	73	35	53	0	0.22	-0.74	0.20	3.04	106	31.97	127	97	68	0	0	2	0		
MI MUSKEGON	69	48	75	40	58	-2	0.10	-0.80	0.08	1.57	58	18.98	84	96	52	0	0	2	0		
MI SAULT ST. MARIE	67	46	72	38	56	2	0.17	-0.88	0.14	1.98	76	26.68	112	93	56	0	0	2	0		
MN ALEXANDRIA	66	48	69	44	57	0	-	-	-	-	-	-	-	97	57	0	0	-	-		
MN DULUTH	61	46	66	38	54	1	0.81	-0.07	0.49	2.20	79	24.20	103	96	61	0	0	3	0		
MN INT'L FALLS	65	44	71	35	55	3	0.10	-0.83	0.08	0.94	41	19.26	98	96	57	0	0	2	0		
MN MINNEAPOLIS	68	51	74	47	60	1	0.70	0.09	0.33	0.70	36	16.81	68	92	52	0	0	3	0		
MN ROCHESTER	66	47	70	43	56	-2	0.79	-0.01	0.30	1.16	48	20.78	87	96	59	0	0	3	0		
MS GREENWOOD	83	63	92	59	73	-1	-	-	-	-	-	-	-	97	52	1	0	-	-		
MS JACKSON	84	64	92	58	74	-1	0.31	-0.38	0.17	0.31	16	44.03	110	96	56	1	0	3	0		
MS MERIDIAN	83	62	90	56	73	-2	1.38	0.66	1.36	3.12	126	46.66	108	97	57	1	0	3	1		
MO CAPE GIRARDEAU	76	56	81	51	66	-4	2.81	1.98	1.92	3.38	133	28.89	84	96	51	0	0	3	2		
MO COLUMBIA	71	52	76	48	61	-6	0.82	-0.12	0.54	2.37	88	27.20	96	94	51	0	0	2	1		
MO KANSAS CITY	69	51	74	47	60	-6	0.09	-1.06	0.09	0.29	8	28.07	96	96	60	0	0	1	0		
MO SAINT LOUIS	73	54	80	49	64	-6	0.62	-0.22	0.28	0.57	26	30.26	109	89	47	0	0	2	0		
MO SPRINGFIELD	73	53	77	46	63	-6	1.21	0.09	1.21	1.61	47	22.46	70	96	54	0	0	1	1		
MT BILLINGS	84	46	78	40	56	-3	0.74	0.41	0.36	1.40	146	10.17	86	88	42	0	0	3	0		
MT GLASGOW	81	47	72	41	54	-2	2.66	2.33	0.94	2.66	349	7.92	84	96	58	0	0	6	3		
MT GREAT FALLS	80	41	75	36	50	-6	1.16	0.88	1.09	1.40	164	8.06	64	86	42	0	0	2	1		
MT HAVRE	81	43	77	36	52	-3	0.78	0.61	0.43	1.24	143	9.41	100	94	54	0	0	4	0		
MT HELENA	81	41	75	36	51	-3	0.06	-0.20	0.06	0.40	48	8.37	87	81	37	0	0	1	0		
MT KALISPELL	54	41	56	37	48	-4	0.94	0.66	0.46	1.81	175	17.87	144	97	62	0	0	6	0		
MT MILES CITY	66	47	78	41	56	-2	0.80	0.50	0.49	0.91	100	11.05	96	97	47	0	0	4	0		
MT MISSOULA	57	40	61	37	48	-8	0.13	-0.12	0.07	0.65	81	12.33	118	96	51	0	0	3	0		
NE GRAND ISLAND	88	49	77	44	59	-4	2.30	1.84	0.89	2.71	130	28.83	128	96	61	0	0	4	3		
NE LINCOLN	70	52	75	47	61	-3	1.49	0.88	1.08	1.68	87	30.24	131	94	56	0	0	3	1		
NE NORFOLK	67	50	71	48	58	-3	1.42	0.86	1.40	2.08	118	20.22	96	90	58	0	0	2	1		
NE NORTH PLATTE	62	46	73	36	54	-6	3.72	3.35	1.88	5.31	482	23.79	142	97	67	0	0	4	3		
NE OMAHA	69	52	74	48	60	-4	0.82	-0.25	0.58	2.12	79	24.34	101	91	54	0	0	2	1		
NE SCOTTSBLUFF	68	46	76	36	57	-4	1.88	1.63	1.16	2.23	301	14.80	114	87	42	0	0	2	2		
NE VALENTINE	63	49	73	40	56	-6	2.55	2.01	1.54	3.41	197	14.12	73	96	59	0	0	2	2		
NV ELY	66	31	80	26	48	-7	0.39	0.14	0.38	0.40	56	5.30	69	79	27	0	3	2	0		
NV LAS VEGAS	86	62	96	54	74	-6	0.00	-0.06	0.00	0.00	0	0.91	30	37	15	2	0	0	0		
NV RENO	72	39	82	33	56	-4	0.39	0.31	0.22	0.43	172	7.87	152	90	28	0	0	2	0		
NV WINNEMUCCA	69	36	83	26	52	-8	0.48	0.40	0.47	0.48	192	6.61	116	86	26	0	3	2	0		
NH CONCORD	69	48	77	40	59	1	0.98	0.33	0.40	1.53	78	28.86	113	93	47	0	0	3	0		
NJ ATLANTIC CITY	76	53	77	49	64	-1	3.46	2.80	1.83	4.04	191	36.38	122	94	51	0	0	3	2		
NM ALBUQUERQUE	71	49	78	43	60	-7	0.56	0.34	-	1.34	176	7.17	106	78	30	0	0	-	-		
NM CLOVIS	81	53	88	50	67	0	-	-	-	-	-	-	-	90	26	0	0	-	-		
NM ROSWELL	86	56	88	52	70	-1	-	-	-	-	-	-	-	80	23	0	0	-	-		
NY ALBANY	69	51	75	46	60	0	0.96	0.29	0.63	3.06	146	32.57	123	96	59	0	0	2	1		
NY BINGHAMTON	64	49	70	45	57	-2	1.52	0.75	1.42	3.25	138	32.39	120	92	61	0	0	2	1		
NY BUFFALO	68	51	78	47	60	-1	1.33	0.54	1.13	4.91	196	34.32	126	92	59	0	0	2	1		
NY NEW YORK	73	60	77	56	68	-1	1.32	0.64	0.77	2.50	104	31.13	100	84	52	0	0	3	1		
NY ROCHESTER	68	51	76	46	60	-1	1.11	0.44	1.03	3.44	162	31.03	134	93	57	0	0	2	1		
NY SYRACUSE	69	52	78	47	61	0	0.46	-0.42	0.36	2.24	84	25.81	93	90	56	0	0	2	0		
NC ASHEVILLE	70	50	74	42	60	-6	0.81	-0.17	0.57	2.78	89	36.86	86	97	80	0	0	2	1		
NC CHARLOTTE	78	58	83	53	68	-3	1.10	0.29	1.02	3.03	123	31.26	97	87	46	0	0	3	1		
NC GREENSBORO	75	54	79	50	65	-4	0.32	-0.51	0.24	10.69	427	40.02	126	92	52	0	0	3	0		
NC HATTERAS	79	65	83	58	72	-1	0.02	-1.18	0.01	2.11	57	-	-	87	58	0	0	2	0		
NC NEW BERN	83	61	90	56	72	-1	0.16	-1.00	0.16	3.46	92	39.88	92	93	43	1	0	1	0		
NC RALEIGH	79	54	82	51	66	-4	1.96	1.23	1.41	13.62	593	43.81	138	96	52	0	0	2	2		
NC WILMINGTON	83	61	90	56	72	-1	0.98	-0.80	0.61	13.07	261	53.96	121	91	44	1	0	3	1		
ND BISMARCK	66	51	76	48	58	3	2.36	2.01	1.21	2.51	232	16.26	123	87	58	0	0	4	2		
ND FARGO	69	47	74	39	58	2	0.16	-0.29	0.16	1.36	96	10.97	89	91	50	0	0	1	0		
ND GRAND FORKS	69	46	74	38	58	3	0.18	-0.33	0.16	0.47	29	11.81	78	93							

Weather Data for the Week Ending September 21, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
OK TOLEDO	71	50	77	43	61	-2	0.24	-0.41	0.24	1.47	71	21.56	88	97	52	0	0	1	0
OK YOUNGSTOWN	67	49	73	43	58	-4	0.47	-0.34	0.26	4.25	172	30.13	108	97	82	0	0	3	0
OK OKLAHOMA CITY	75	58	79	49	66	-6	2.98	2.06	1.39	3.58	134	29.70	116	97	61	0	0	3	3
OR TULSA	74	58	80	49	66	-6	1.93	0.80	1.70	2.13	65	15.35	51	96	60	0	0	4	1
OR ASTORIA	62	47	66	43	55	-3	1.59	0.88	0.93	3.20	174	49.64	127	98	66	0	0	6	1
OR BURNS	63	31	70	26	47	-7	0.89	0.55	0.37	0.72	171	8.92	133	92	32	0	4	2	0
OR MEDFORD	71	48	77	40	59	-5	0.36	0.15	0.34	0.46	86	15.18	144	95	37	0	0	2	0
OR PENDLETON	68	46	68	42	56	-6	0.52	0.38	0.36	0.58	141	9.43	120	88	33	0	0	2	0
OR PORTLAND	66	51	69	45	58	-4	1.78	1.33	1.37	3.01	257	36.09	182	93	53	0	0	5	1
OR SALEM	66	48	68	41	57	-4	0.91	0.62	0.62	1.90	188	37.16	184	98	49	0	0	5	1
PA ALLENTOWN	70	50	76	45	60	-3	2.10	1.20	1.46	2.82	100	35.28	109	90	51	0	0	2	2
PA ERIE	67	54	77	48	60	-3	2.98	1.98	2.71	6.98	224	36.57	126	97	69	0	0	3	1
PA HARRISBURG	72	55	79	50	64	-2	1.08	0.28	-	2.72	108	37.68	126	95	57	0	0	-	-
PA PHILADELPHIA	73	56	77	52	64	-1	2.43	1.46	1.40	3.41	115	38.19	106	88	53	0	0	3	2
PA PITTSBURGH	68	51	75	46	59	-4	0.49	-0.19	0.32	3.93	185	35.17	126	95	58	0	0	3	0
PA SCRANTON	68	49	74	42	59	-3	1.29	0.52	0.75	2.41	102	33.08	122	94	52	0	0	3	1
RI PROVIDENCE	71	54	78	48	62	-1	2.88	2.08	1.83	4.56	187	32.54	101	89	51	0	0	2	2
SC CHARLESTON	83	62	91	56	73	-3	0.09	-0.93	0.07	8.06	230	35.06	84	88	51	1	0	2	0
SC COLUMBIA	82	67	89	50	70	-3	1.24	0.46	0.94	1.76	65	26.36	67	88	38	0	0	2	1
SC FLORENCE	61	59	68	54	70	-3	0.00	-0.74	0.00	0.00	0	23.75	68	96	48	0	0	0	0
SC GREENVILLE	77	58	84	50	67	-4	1.77	0.83	1.36	3.81	131	41.19	107	95	54	0	0	2	1
SD ABERDEEN	66	48	74	42	58	0	2.80	2.37	1.41	3.88	257	17.87	98	96	59	0	0	4	2
SD HURON	66	51	75	49	59	-1	2.28	1.89	1.28	2.52	207	15.50	91	91	80	0	0	4	2
SD RAPID CITY	65	46	78	37	58	-3	0.80	0.32	0.41	0.82	94	15.86	113	90	51	0	0	3	0
SD SIOUX FALLS	65	48	71	36	58	-3	0.88	-0.02	0.64	2.17	99	14.20	73	96	58	0	0	2	1
TN CHATTANOOGA	76	58	79	51	66	-6	3.04	2.06	1.80	5.30	180	42.83	108	95	55	0	0	2	2
TN KNOXVILLE	75	54	78	49	65	-4	1.05	0.33	0.81	2.13	99	35.79	102	97	53	0	0	2	1
TN MEMPHIS	80	61	87	57	71	-3	2.54	1.72	1.30	3.22	128	48.41	130	94	58	0	0	4	2
TN NASHVILLE	75	56	82	51	68	-5	1.53	0.73	0.76	3.67	147	34.24	97	92	55	0	0	3	2
TX ABILENE	84	63	87	59	73	-2	1.57	0.82	0.91	4.85	213	21.84	117	93	48	0	0	3	2
TX AMARILLO	78	54	82	45	65	-3	0.00	-0.43	0.00	1.46	99	17.98	108	92	49	0	0	0	0
TX AUSTIN	89	70	92	68	80	0	2.01	1.20	0.74	2.24	100	20.58	89	91	54	4	0	4	3
TX BEAUMONT	88	73	91	67	80	2	1.28	-0.23	0.49	3.98	88	30.00	72	100	66	2	0	5	0
TX BROWNSVILLE	92	78	93	72	85	4	1.13	-0.34	-	5.83	136	13.06	67	98	58	7	0	-	-
TX CORPUS CHRISTI	93	77	96	71	85	5	0.88	-0.86	0.56	1.41	36	14.30	63	96	58	6	0	2	1
TX DEL RIO	91	72	93	65	81	3	1.79	1.13	1.79	3.83	198	10.91	59	92	50	6	0	1	1
TX EL PASO	86	61	90	53	73	0	0.03	-0.37	0.03	1.22	96	8.93	133	61	21	1	0	1	0
TX FORT WORTH	82	66	88	59	74	0	1.25	0.07	0.79	1.38	42	20.42	75	94	56	0	0	3	1
TX GALVESTON	87	78	90	72	83	3	0.56	-0.86	0.33	1.80	42	14.24	46	90	71	1	0	2	0
TX HOUSTON	88	72	93	67	80	3	3.12	1.77	1.83	3.80	96	25.56	67	96	65	2	0	4	2
TX LUBBOCK	82	57	88	49	70	-1	0.00	-0.61	0.00	0.53	28	12.80	86	93	34	0	0	0	0
TX MIDLAND	87	61	90	57	74	1	0.00	-0.79	0.00	0.96	41	7.44	63	93	27	2	0	0	0
TX SAN ANGELO	87	64	90	58	78	1	0.03	-0.80	0.02	1.77	74	16.48	108	94	43	1	0	2	0
TX SAN ANTONIO	91	71	95	66	81	3	1.14	0.32	0.96	1.89	80	10.68	47	93	52	5	0	2	1
TX VICTORIA	90	75	92	69	82	4	1.42	-0.12	0.51	4.24	95	21.15	65	100	62	4	0	6	1
TX WACO	86	67	89	63	78	-1	1.47	0.80	0.99	1.49	62	18.39	79	96	60	0	0	4	1
UT WICHITA FALLS	80	61	86	53	71	-3	3.00	1.98	-	3.77	128	16.70	75	91	49	0	0	-	-
UT CEDAR CITY	70	39	81	32	55	-7	0.37	0.15	0.37	0.84	118	9.24	108	79	21	0	1	1	0
UT SALT LAKE CITY	69	46	82	39	58	-6	0.94	0.63	0.88	1.03	118	12.43	106	86	34	0	0	2	1
VT BURLINGTON	69	51	78	45	60	2	0.04	-0.70	0.04	0.89	38	29.71	118	94	51	0	0	1	0
VA NORFOLK	77	60	84	57	69	-2	0.12	-0.77	0.07	1.56	56	39.85	116	88	51	0	0	2	0
VA RICHMOND	77	58	83	51	67	-2	1.13	0.38	0.86	6.45	274	38.11	118	88	37	0	0	3	1
VA ROANOKE	72	53	75	46	62	-4	1.08	0.28	0.74	5.90	242	41.96	139	87	49	0	0	3	1
WA QUILLAYUTE	81	46	84	44	53	-3	0.69	-0.54	0.22	3.14	104	54.94	88	97	68	0	0	4	0
WA SEATTLE-TACOMA	82	50	86	47	58	-4	0.74	0.28	0.29	1.74	140	29.58	137	93	66	0	0	5	0
WA SPOKANE	59	41	64	35	50	-8	0.82	0.45	0.36	0.78	156	13.70	127	94	54	0	0	3	0
WA YAKIMA	67	40	70	34	54	-6	0.21	0.13	-	0.31	97	5.84	117	93	38	0	0	-	-
WV BECKLEY	87	49	72	41	58	-4	1.98	1.19	1.58	5.20	219	44.63	144	96	68	0	0	3	1
WV CHARLESTON	71	52	78	46	62	-5	1.43	0.89	1.40	4.78	206	44.39	139	97	81	0	0	2	1
WV HUNTINGTON	72	51	75	45	61	-4	1.68	0.83	1.46	2.72	117	39.91	123	98	60	0	0	3	1
WV PARKERSBURG	69	49	74	44	59	-7	1.46	0.80	1.37	3.92	186	38.73	123	97	51	0	0	3	1
WI GREEN BAY	68	44	71	35	56	-2	0.31	-0.48	0.13	0.63	25	19.06	86	97	61	0	0	4	0
WI LACROSSE	71	48	77	43	60	-1	0.15	-0.72	-	0.29	10	19.74	81	95	47	0	0	-	-
WI MADISON	68	46	75	38	57	-2	0.15	-0.71	0.14	0.38	14	24.00	96	96	53	0	0	2	0
WI MILWAUKEE	69	54	74	51	61	1	0.15	-0.63	0.11	0.15	8	15.88	64	89	57	0	0	2	0
WI WAUSAU	67	47	74	41	57	0	0.10	-0.90	0.10	0.44	14	25.70	100	94	49	0	0	1	0
WY CASPER	65	40	80	35	53	-4	0.20	-0.02	0.19	0.22	35	7.17	73	84	30	0	0	2	0
WY CHEYENNE	62	41	70	36	52	-5	0.57	0.29	0.31	1.85	210	14.38	116	91	38	0	0	5	0
WY LANDER	62	39	78	30	51	-6	0.47	0.19	0.28	0.50	68	6.89	68	88	36	0	1	4	0
WY SHERIDAN	64	43	78	38	54	-2	0.10	-0.23	0.08	0.12	13	9.58	84	88	40	0	0	2	0
PR SAN JUAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Based on 1961-90 normals

Note: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

National Agricultural Summary

September 16 - 22, 1996

HIGHLIGHTS

Crop development slowed during the week due to chilly autumn weather over most of the Central States. A broad band of rainy weather crossed the Nation early in the week, providing moisture for recently planted small grains, but stalled harvest activity for row crops. The extent of damage from the September 14 frost in parts of Iowa and Minnesota varied based on the terrain and variety of row crops. Some producers in the Dakotas waited for a killing freeze to help dry down the row crops before harvest. A dry area remained over the upper Mississippi Valley, leaving many small grain producers waiting for rainfall before resuming

seeding. Wet fields in North Carolina prevented producers from assessing the damage from Hurricane Fran. In the Mid-Atlantic, surplus topsoil moisture levels prevented many producers from entering their fields, and storms over the weekend caused some lodging. Insect control was active in the South where fieldwork was slowed due to wet conditions. Moisture along the Pacific Northwest slowed fieldwork and small grain planting. Heavy rains and thunderstorms in the southern Great Plains raised cotton producers' concern but provided good pre-planting moisture for small grains.

One quarter of the **winter wheat** crop in the 19 major producing States was planted, up 10 percentage points from the previous week, but 6 points behind the 5-year average. Wet weather delayed winter wheat seeding in the central Great Plains. Winter wheat planting in South Dakota at 40 percent (%) complete was up 26 points from last week but 17 points behind the average. Many wheat producers in the Dakotas were waiting for precipitation to increase soil moisture before planting. Rains delayed wheat seeding in Kansas, where wheat planted was 14% complete, 12 points behind the average. Much-needed precipitation over the Mountain States brought drought relief and allowed some producers to begin seeding. Wet field conditions slowed planting progress in Nebraska, where 44% of the wheat acreage was seeded, 18 points behind the average. Some reseeded was required in the Pacific Northwest due to soil crusting. Heavy rains provided beneficial planting moisture for Texas, where armyworms moved from nearby pastures to newly emerged fields.

Spring wheat harvested for the five major producing States was 96% complete, up 5 points from last week and 10 points ahead of the 5-year average. Spring wheat harvest activity in Minnesota at 96% complete was up 11 points from the previous week and 6 points ahead of normal. Small grain harvest activity remained ahead of the average in Montana despite recent rains.

Corn continued in mostly good to fair condition, with denting 87% complete for the 17 major producing States, up 14 points from the previous week, but 3 points behind the average. Much-needed moisture in the Central States improved corn condition slightly, while condition declined in the Mid-Atlantic as a result of the excessive moisture and lodging from Hurricane Fran. Corn mature at 37% complete was up 17 points from the previous week but 19 points behind the average. Corn harvested at 7% complete was up 3 points from last week but 4 points behind normal. Some corn fields were reported frozen in Wisconsin.

Cotton bolls opening was 70% complete, up 9 points from last week and 6 points ahead of the average. Cotton harvested at 12%

complete was 3 points below this time last year, but was equal to the average. Cotton condition declined slightly from the previous week for the 14 major producing States but remained mostly good to fair. Cotton condition dropped in North Carolina as producers continued to assess the damage from Hurricane Fran. Defoliation was active across the Southwest and Delta. Some producers in Arkansas had problems with regrowth after defoliation. Cotton growers in Louisiana reported that boll rot was prevalent in areas with excessive moisture and caused lower quality. Cool, cloudy weather in Texas slowed cotton maturity, while the heavy rainfall in the Texas Blacklands caused harvest and quality problems.

Rice harvested for the five major producing States was 63% complete, up 11 points from the previous week and 10 points ahead of normal. Rice harvested in Mississippi at 77% complete was up 15 points from last week and was 27 points ahead of the average. Heavy rains across the Delta caused lodging in Arkansas. In California, rain delayed the rice harvest and high winds caused some lodging. Rice producers in Texas and Louisiana prepared for the second crop.

Sorghum condition for the 12 major producing States was mostly good to excellent with sorghum turning color 92% complete, up 7 points from the previous week, and 7 points ahead of the average. The acreage of sorghum mature at 46% was up 10 points from the previous week but 2 points behind normal. Sorghum acreage in Nebraska, mature at 13% complete, was 27 points behind the average. Sorghum harvested at 25% complete was 4 points behind the average. Corn earworms in Kansas continued to be reported as a nuisance in sorghum fields.

Soybeans condition remained in mostly good to fair condition with soybeans dropping leaves 33% complete, up 16 points from last week but 18 points below the average. In Ohio, soybeans dropping leaves at 20% complete was up 6 points from the previous week but 58 points behind the average. Soybeans harvested at 2% complete was 4 points behind the average. Cool fall weather across most of the Midwest and Southeast slowed soybean development.

Crop Progress and Condition

Week Ending September 22, 1996

Soybeans Percent Dropping Leaves				
	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AL	29	13	45	25
AR	22	18	16	13
GA	32	18	28	32
IL	24	9	44	59
IN	30	15	74	69
IA	34	7	49	51
KS	53	32	31	56
KY	25	12	32	31
LA	58	48	48	37
MI	20	7	79	53
MN	49	24	73	58
MS	56	50	54	35
MO	24	12	15	36
NE	25	8	30	55
NC	15	11	14	16
OH	20	14	81	78
SC	5	4	2	4
SD	75	56	55	61
TN	30	15	37	27
ALL	33	17	48	51

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

Winter Wheat Percent Planted				
	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AR	2	1	1	2
CA	0	0	0	0
CO	56	38	44	56
GA	1	0	2	2
ID	24	12	29	27
IL	0	0	1	2
IN	4	1	4	5
KS	14	6	10	26
MI	9	3	12	18
MO	4	1	4	6
MT	12	4	22	24
NE	44	25	54	62
NC	5	2	5	7
OH	1	1	4	3
OK	17	10	17	33
OR	8	2	17	18
SD	53	27	68	70
TX	51	29	32	35
WA	65	61	57	54
ALL	25	15	22	31

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

Corn Percent Mature				
	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
CO	32	9	10	27
GA	100	98	100	100
IL	46	22	62	62
IN	38	20	74	61
IA	40	16	70	62
KS	65	60	48	74
KY	72	50	82	80
MI	16	2	75	38
MN	25	9	66	42
MO	76	63	46	68
NE	21	6	30	50
NC	100	98	99	97
OH	7	2	41	39
PA	25	20	60	28
SD	26	14	40	48
TX	93	85	90	87
WI	18	5	75	40
ALL	37	20	60	56

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

Soybeans Percent Harvested				
	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AL	1	NA	1	1
AR	7	NA	3	3
GA	0	NA	1	1
IL	1	NA	3	12
IN	1	NA	8	9
IA	0	NA	2	5
KS	2	NA	1	6
KY	0	NA	1	2
LA	23	NA	19	10
MI	1	NA	3	2
MN	1	NA	3	3
MS	26	NA	33	12
MO	0	NA	0	2
NE	0	NA	1	10
NC	0	NA	0	0
OH	0	NA	6	8
SC	0	NA	0	0
SD	2	NA	1	5
TN	0	NA	1	1
ALL	2	NA	4	6

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

Corn Percent Dented				
	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
CO	97	88	77	81
GA	100	100	100	100
IL	92	75	95	94
IN	83	62	99	98
IA	88	77	97	89
KS	98	97	94	96
KY	98	94	100	99
MI	59	40	99	77
MN	96	76	98	84
MO	100	98	86	95
NE	92	80	96	95
NC	100	100	100	99
OH	65	43	99	96
PA	73	63	87	74
SD	83	72	91	82
TX	100	100	97	99
WI	62	46	99	75
ALL	87	73	96	90

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

Corn Percent Harvested				
	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
CO	0	0	0	2
GA	80	71	94	87
IL	4	1	6	13
IN	3	1	11	9
IA	2	1	4	5
KS	13	10	7	24
KY	26	14	39	26
MI	1	0	7	5
MN	1	0	4	2
MO	23	17	20	23
NE	1	0	0	6
NC	50	47	68	53
OH	2	0	3	5
PA	6	4	9	3
SD	2	1	1	4
TX	69	63	75	72
WI	1	0	5	3
ALL	7	4	9	11

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

Crop Progress and Condition

Week Ending September 22, 1996

Sorghum Percent Coloring

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AR	99	99	99	97
CO	89	81	79	69
IL	89	80	58	85
KS	91	85	77	81
LA	100	100	100	100
MS	100	100	99	99
MO	91	84	78	88
NE	89	76	83	86
NM	60	54	55	66
OK	89	85	75	84
SD	96	86	86	74
TX	96	91	96	91
ALL	92	85	83	85

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

Sorghum Percent Mature

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AR	92	87	94	87
CO	17	12	1	18
IL	30	13	14	44
KS	35	25	11	28
LA	100	99	96	94
MS	100	97	95	91
MO	48	33	46	56
NE	13	2	16	40
NM	4	0	2	9
OK	32	26	14	21
SD	42	28	24	36
TX	77	66	84	79
ALL	46	36	38	48

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

Sorghum Percent Harvested

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AR	61	55	72	63
CO	0	0	0	1
IL	1	0	0	7
KS	8	6	1	8
LA	90	82	82	80
MS	85	81	80	65
MO	10	8	26	22
NE	0	0	0	6
NM	0	0	0	1
OK	10	6	4	7
SD	2	0	0	3
TX	61	60	73	71
ALL	25	23	26	29

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

Cotton Percent Bolls Opening

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AL	68	54	75	62
AZ	100	99	98	95
AR	83	71	86	65
CA	100	95	67	87
GA	74	67	79	69
LA	96	94	93	90
MS	95	93	96	87
MO	80	60	65	63
NM	83	75	63	59
NC	80	63	83	76
OK	28	25	9	33
SC	71	62	66	75
TN	93	78	87	80
TX	47	35	48	46
ALL	70	61	68	64

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

Cotton Percent Harvested

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AL	8	NA	11	6
AZ	8	NA	9	11
AR	9	NA	6	5
CA	2	NA	1	1
GA	12	NA	13	6
LA	13	NA	18	13
MS	14	NA	22	10
MO	10	NA	4	6
NM	0	NA	0	0
NC	3	NA	2	3
OK	0	NA	0	1
SC	11	NA	4	5
TN	11	NA	5	6
TX	17	NA	23	23
ALL	12	NA	15	12

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

Peanuts Percent Harvested

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AL	27	13	33	35
FL	39	24	NA	NA
GA	17	8	45	34
NC	2	1	5	3
OK	2	1	1	3
SC	19	13	23	18
TX	2	1	8	10
VA	10	1	27	12
ALL	14	7	28	23

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

Spring Wheat Percent Harvested

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
ID	96	93	89	89
MN	96	85	99	90
MT	98	95	86	79
ND	95	90	92	87
SD	100	100	100	99
ALL	96	91	92	86

These 5 States produced 96% of the 1995 spring wheat crop.

Rice Percent Harvested

	Sep 22 1996	Prev Week	Prev Year	5-Yr Avg
AR	59	41	52	48
CA	10	5	2	9
LA	90	88	93	83
MS	77	62	82	50
TX	98	92	88	87
ALL	63	52	59	53

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

Soybeans Crop Condition by Percent

	VP	P	F	G	EX
AL	1	3	19	63	14
AR	4	13	30	38	15
GA	0	7	27	49	17
IL	6	15	42	33	4
IN	4	17	40	37	2
IA	1	6	26	55	12
KS	0	2	14	62	22
KY	0	3	21	54	22
LA	0	2	26	62	10
MI	10	15	35	37	3
MN	3	10	40	44	3
MS	1	2	19	70	8
MO	2	9	36	43	10
NE	0	3	18	48	31
NC	2	9	29	54	6
OH	3	16	40	36	5
SC	0	6	28	58	8
SD	0	3	20	59	18
TN	0	3	17	58	22
ALL	3	10	32	45	10
Prev Wk	3	11	33	42	11
Prev Yr	3	13	37	40	7

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/waobl/jawf>.

ALABAMA: Days suitable for fieldwork 4.8. Topsoil moisture 8% short, 84% adequate, 8% surplus. Corn harvested 69%, 82% 1995, 71% avg. Livestock 2% poor, 26% fair, 62% good, 10% excellent. Peanut harvest was in full swing in the peanut belt. Cotton harvest is gearing up in some localities.

ALASKA: Days suitable for fieldwork, 2 for hay harvest, 3 for grain harvest, 6 for harvesting potatoes. Topsoil moisture supplies were 10% short, 90% adequate. Subsoil moisture supplies were 20% short, 80% adequate. Hay harvest was 45% complete versus 55% a year ago. Commercial potato harvest was 75% complete compared to 80% in 1995. Barley harvest was 80% complete and oat harvest was 20% complete.

ARIZONA: The monsoon season has officially ended although some, mostly higher elevation areas, continued to receive some precipitation. Defoliation active western, central area cotton fields. Harvest 8%, 9% 1995, 11% avg. Localized hail damaging to some fields, central area. Alfalfa cutting 11% light, 15% moderate, 51% active, 23% not being harvested at this time. Condition 3% poor, 14% fair, 54% good, 29% excellent. Cantaloupe, honeydew, and watermelons being shipped. Central growers were also harvesting green onions. Eastern growers harvested chili peppers and apples. Lemon harvest continued in central and western areas.

ARKANSAS: Days suitable for fieldwork 5. Soil moisture 2% very short, 25% short, 70% adequate and 3% surplus. The main farming activities: Defoliating cotton, irrigating soybeans, preparing for wheat and winter annuals planting and harvesting cotton, rice, corn, sorghum, soybeans and hay. Soybean harvest continued in many counties. Lee County reported soybeans were hit hard with frog-eye infestation. Cotton defoliation continued in numerous counties. Cotton harvest was reported by several counties. Mississippi County continued ginning cotton. Producers in Lee county are having problems with regrowth in cotton after defoliation. Bollrot damaged a significant number of cotton acres in Lafayette County. The Dumas Cotton Classing Office reported that 4,280 bales had been classed as of the 19th. Heavy rains caused lodging in rice fields in Poinsett and Mississippi Counties. Eight hundred acres of rice were blown down in Lincoln County due to storms. Wheat planting was reported by several counties. Rice, corn and sorghum harvests continued in several counties. Corn harvest was winding down in Clay County. Lincoln County completed corn harvest. Several counties continued to plant small grains and cool season pastures. Livestock good condition. Hay harvest proceeded.

CALIFORNIA: Field activities progressed normally in most areas. Small grain fields were disced, fertilized and irrigated in preparation for planting. In some areas planting was underway. Rice growers experienced minor harvest delays, due to light rain in the Sacramento Valley. Some fields in Yuba County suffered extensive lodging from the previous weekend's storm. Cotton harvest began in the southern San Joaquin Valley and was in full swing in the desert counties. Defoliation was active, except in the Sacramento Valley. Alfalfa and sugarbeets were sprayed for armyworms. Safflower harvest was winding down in most areas. Dry beans, seed alfalfa, sugarbeets and corn for grain and silage were harvested. New crop sugarbeets were planted in Fresno County. Alfalfa and sudangrass were cut for hay or greenchopped. Raisin grape harvest continued to make progress. Approximately 19% of the raisin crop was on open trays; 38% has been rolled; and 43% of the crop was picked up. Table grape picking was slowing. Major varieties picked were Red Globe, Flame Seedless and Thompson Seedless. Wine grape harvest remained active. Granny Smith apple picking gained momentum. Almond, walnut and fig harvests were active. Olives were sizing well. Valencia orange picking continued. New crop navel oranges were maturing. Strawberries in Fresno and Sutter counties were irrigated and were treated to control worms. Lettuce was harvested in the central coast areas. Broccoli and

cauliflower continued to be harvested in Monterey and San Luis Obispo counties. Asparagus was harvested in Kern County. Processing and fresh market tomatoes were harvested. Harvest of Antelope Valley onions continued. Sweet corn was harvested in the Sacramento and San Joaquin Valleys. Planting of spinach for early 1997 harvest was underway in Tulare County. Sweetpotato harvest continued in Merced County. Cantaloupe and honeydew melon harvesting proceeded in Fresno County. Bell and chili peppers were harvested in the San Joaquin Valley. Harvest of freezer lima beans started in Merced County. Broccoli, cauliflower, lettuce and cabbage in the San Joaquin Valley were irrigated and treated for worms. Supplemental feeding continued as rangeland pastures remained dry. Quantity and quality of feed supplies declined. In some areas cattle were moving down from summer grazing ranges. Fall calving continued.

COLORADO: Days suitable for fieldwork 3.3. Topsoil moisture 3% very short, 10% short, 73% adequate, 14% surplus. Subsoil moisture 10% very short, 16% short, 69% adequate, 5% surplus. Winter wheat 29% emerged, 18% 1995, 23% avg. Oats 98% harvested, 70% 1995, 83% avg. Dry onions 92% harvested, 70% 1995, 70% avg. Spring wheat 95% harvested, 71% 1995, 69% avg. Corn silage 66% harvested, 29% 1995, 42% avg. Sugarbeets 18% fair, 67% good, 15% excellent. Summer potatoes 72% harvested, 75% 1995, 77% avg. Fall potatoes 32% harvested, 12% 1995, 15% avg.; condition 1% very poor, 3% poor, 11% fair, 70% good, 15% excellent. Dry beans 87% cut, 52% 1995, 64% avg.; 71% harvested, 31% 1995, 47% avg. Alfalfa hay 67% 3rd cutting, 61% 1995, 57% avg.; 5% 4th cutting, 7% 1995, 11% avg.; condition 3% very poor, 5% poor, 26% fair, 53% good, 13% excellent. Significant moisture was received over the mountains and Eastern Plains during the last half of the week. Therefore, crop development was slowed on some crops and harvest of other crops was stalled. However, dry bean cutting and harvest made good progress before the rain occurred.

DELAWARE: Days suitable for fieldwork 3.0. Topsoil moisture 4% short, 88% adequate, 8% surplus. Subsoil moisture 4% short, 94% adequate, 2% surplus. Corn 2% poor, 9% fair, 82% good, 7% excellent; 98% dent, 100% 1995, 98% avg.; 56% mature, 93% 1995, 73% avg.; 13% harvested for grain, 47% 1995, 27% avg.; 66% harvested for silage, 96% 1995, 87% avg. Soybeans 3% poor, 31% fair, 63% good, 3% excellent; 19% turned, 53% 1995, 37% avg.; 9% shedding leaves, 33% 1995, 18% avg. Sorghum 30% fair, 68% good, 2% excellent; 43% turning color, 80% 1995, 56% avg.; 14% ma-ture, 59% 1995, 30% avg. Sweet corn 97% harvested, 99% 1995, 99% avg. Tomatoes 96% harvested, 99% 1995, 97% avg. Lima beans 77% harvested, 69% 1995, 67% avg. Apples 7% fair, 87% good, 6% excellent; 65% harvested, 52% 1995, 49% avg. Alfalfa hay 52% fourth cutting, 55% 1995, 59% avg. Other hay 87% third cutting, 89% 1995, 81% avg., 35% fourth cutting, 9% 1995, 20% avg. Hay supplies 2% very short, 13% short, 82% adequate, 3% surplus. Activities: Harvesting vegetables, hay, corn for grain and silage.

FLORIDA: Topsoil moisture is mostly short to adequate. Peanut harvest is 39%. Tobacco marketing active. Corn for grain harvest active. Haying active. Growers starting to pick cotton. Soybean growers making preparations to start harvest. Peanuts very poor 0%, poor 18%, fair 4%, good 40%, excellent 38%. Vegetable fieldwork increased in most areas with activity on schedule. A few growers delaying planting until financing becomes available. Citrus groves very good to excellent condition. Moisture generally adequate except for a few east coast groves, some irrigation. Some early fruit showing color break. Fruit testing continues. Fresh fruit packing house shipping oranges, tangerines and grapefruit. Caretakers cutting cover crops, herbiciding, spraying, burning dead trees and some resetting. Pasture feed very poor 0%, poor 5%, fair 25%, good 70%, excellent 0%. Armyworms active north. Cattle herds very poor 0%, poor%, fair 10%, good 85%, excellent 5%.

GEORGIA: Days suitable for field work 5.6. Soil moisture 4% very short, 23% short, 67% adequate, 6% surplus. Hay 1% very poor, 5% poor, 30% fair, 60% good, 4% excellent. Peanuts 34% dug, 63% 1995, 50% avg. Rye 8% planted, 8% 1996, 7% avg. Sorghum 2% very poor, 4% poor, 35% fair, 58% good, 1% excellent; 35% harvested for grain, 44% 1995, 48% avg. Tobacco 98% harvested, 100% 1995, 100% avg. Other small grains 3% planted, 4% 1995, 4% avg. Apples 0% very poor, 1% poor, 4% fair, 95% good, 0% excellent; 29% harvested, 57% 1995, 59% avg. Pecans 2% very poor, 9% poor, 32% fair, 47% good, 10% excellent. Statewide soil moisture little change from last week. Harvest progress most crops behind avg., cotton harvest ahead of avg. Crop conditions mostly steady from last week. Activities: Cotton, peanut harvest very active. Seeding small grains increasing, tobacco harvest moving slowly toward completion, corn harvest moderate progress and hay harvest active. Overseeding and spraying pastures north. Insect control measures active central and south soybeans, peanuts. Early soybean harvest few fields central and south.

HAWAII: Mixture of sunshine and showers had variable effect on agriculture. Papayas, bananas, sugarcane benefitted from rains. A few in isolated areas were hampered. Waimea, major vegetable region, remained dry on water conservation advisory. Papaya production relatively light, increase on Oahu expected. Banana production steady. Watermelon harvesting light. Tomato production light, some fields in poor condition. Head cabbage supplies moderate to heavy, quality varies. Sweetpotato steady.

IDAHO: Days suitable for fieldwork 4.3. Topsoil moisture 4% very short, 35% short, 60% adequate, 1% surplus. Potatoes with vines dead to killed 91%, 85% 1995, 92% avg.; harvested 15,11% 1995, 20% avg.; condition 0% very poor, 0% poor, 10% fair, 69% good, 21% excellent. Winter Wheat emerged 5%, 5% 1995, 7% avg. Alfalfa Hay harvested (3rd cutting) 61%, 58% 1995, 62% avg. Barley harvested 95%, 91% 1995, 92% avg. Oats harvested for grain 87%, 75% 1995, 88% avg. Sugarbeets harvested 4%, 5% 1995, 7% avg. Corn harvested for silage 29%, 33% 1995, 41% avg. Corn harvested for grain 1%, 0% 1995, 1% avg. Dry Peas harvested 97%, 94% 1995, 96% avg. Dry beans harvested 70%, 40% 1995, 52% avg. Lentils harvested 95%, 69% 1995, 85% avg. Hops harvested 75%, 90% 1995, 90% avg. Sweet corn harvested 96%, 77% 1995, 86% avg. Onions harvested 66%, 36% 1995, 59% avg. Apples harvested 16%, 15% 1995, 23% avg. Peaches harvested 95%, 89% 1995, 95% avg. Prunes and Plums harvested 79%, 62% 1995, 89% avg. Pasture feed and range condition 0% very poor, 23% poor, 41% fair, 33% good, 3% excellent. Irrigation water supply 0% very poor, 2% poor, 9% fair, 53% good, 36% excellent. Activities: Rolling potato vines, seeding winter wheat and fall barley, moving livestock down from the summer ranges, and harvesting dry beans, potatoes, sugarbeets, and silage corn.

ILLINOIS: Days suitable for fieldwork 6.2. Topsoil moisture 16% very short, 47% short, 37% adequate. Corn and soybean harvest continued last week in the central and southern districts. Rain in the southern districts was beneficial to soybean development. Soybeans 56% turning yellow, 74% 1995, 85% avg. Alfalfa 94% third cutting, 94% 1995, 90% avg.

INDIANA: Days suitable for fieldwork 5.4. Topsoil moisture 5% very short, 29% short, 63% adequate, 3% surplus. Subsoil moisture 8% very short, 35% short, 54% adequate, 3% surplus. Scattered showers aided in the development of late planted corn and soybean fields. Corn and soybean fields are steadily advancing toward maturity. Corn in dent state or beyond by region: 84% north, 82% central, and 83% south. Tobacco harvest 75% complete, 77% 1995, 80% avg. Harvest of apples gaining momentum. Activities: Cutting silage, preparing equipment for fall harvest, preparing ground for winter wheat seeding, seeding alfalfa, cleaning grain bins, cutting hay and mint, mowing roadsides and care of livestock.

IOWA: Days suitable for fieldwork 6.0. Topsoil moisture very short 6%, short 35%, adequate 58%, surplus 1%. Subsoil moisture very short 6%, short 36%, adequate 57%, surplus 1%. Comments on damage mixed and ranged from very minimal to moderate damage of both corn, beans. Reporters commented that the extent of damage depended a lot on the lay of the land and the variety of corn, beans

planted. Judging by reporter comments, the northwest and north central districts appear to have been hardest hit by the frost. Soybeans leaves turning color 77%, 83% 1995, 80% avg. Alfalfa hay 3rd crop harvested 88%, 88% 1995, 85% avg. Except for a few reports of flu, livestock in good condition. The east central district reports short pasture conditions due to the lack of rain.; consequently, livestock producers supplemental feeding hay and silage.

KANSAS: Days suitable for fieldwork 1.3. Topsoil moisture 1% short, 69% adequate, and 30% surplus. Subsoil moisture 1% very short, 9% short, 80% adequate, and 10% surplus. Corn earworms continue to be reported as a problem in sorghum, particularly in the southwestern quadrants of the State. With dry weather, wheat seeding and fall harvest will pick up speed. Fall crops remain mostly in good to excellent condition and are ahead of normal maturity. Alfalfa cut the fourth time 62% complete, 54% 1995, 55% avg. Activities: Seeding wheat, fall harvest.

KENTUCKY: Days suitable fieldwork 4.0. Topsoil 11% short, 82% adequate, 7% surplus. Subsoil moisture 4% very short, 23% short, 70% adequate, 3% surplus. Burley tobacco cut 76%, 87%, 1995, 86% avg. Dark tobacco 86% cut. Housed tobacco showing houseburn 79% none 17% light, 3% moderate, 1% heavy. Corn for grain yields varied, generally good. Chopping silage also major activity. Hay crops, pastures improved with moisture. Pastures 4% very poor, 15% poor, 35% fair, 36% good, 10% excellent. Some livestock receiving hay to supplement pasture. Hay supplies short in a few areas.

LOUISIANA: Days suitable for fieldwork 5.2. Soil moisture 1% very short, 20% short, 59% adequate, 20% surplus. Corn 100% harvested, 96% 1995, 98% avg. Cotton 13% harvested, 19% 1995, 12% avg. Cotton growers reported problems with boll rot and a general decline in quality. Hay 95% 2nd cutting, 81% 1995, 79% avg. Hay producers made good progress harvesting before rains drove them out of their fields. Rice 100% ripe, 99% 1995, 95% avg. Rice producers continued to manage second crop rice. Soybeans 78% turning color, 74% 1995, 62% avg. Soybean harvest progressed slowly due to wet conditions. Sugarcane 1% very poor, 8% poor, 24% fair, 48% good, 19% excellent; 57% planted, 85% 1995, 66% avg. Lighter rains in sugarcane growing areas allowed sugarcane farmers to make good progress planting. Sweet potatoes 5% poor, 21% fair, 67% good, 7% excellent; 39% harvested, 35% 1995, 44% avg. Wheat 0% planted, 2% 1995, 1% avg. Livestock 5% poor, 27% fair, 62% good, 6% excellent. Livestock producers were preparing winter pastures. Vegetables 1% very poor, 15% poor, 45% fair, 39% good. Pasture feed 3% poor, 26% fair, 64% good, 7% excellent.

MARYLAND: Days suitable for fieldwork 4.1. Topsoil moisture 1% short, 76% adequate, 23% surplus. Subsoil moisture 2% short, 87% adequate, 11% surplus. Corn 3% poor, 15% fair, 53% good, 29% excellent; 92% dent, 99% 1995, 94% avg.; 61% mature, 87% 1995, 69% avg.; 14% harvested for grain, 47% 1995, 25% avg.; 59% harvested for silage, 83% 1995, 63% avg. Soybeans 6% poor, 22% fair, 57% good, 15% excellent; 33% turning, 77% 1995, 51% avg.; 14% shedding leaves, 52% 1995, 24% avg. Sorghum 9% poor, 16% fair, 66% good, 9% excellent; 71% turning color, 78% 1995, 74% avg.; 29% mature, 57% 1995, 39% avg. Tobacco 97% harvested, 98% 1995, 87% avg. Sweet corn 96% harvested, 97% 1995, 99% avg. Tomatoes 97% harvested, 96% 1995, 97% avg. Apples 1% poor, 17% fair, 64% good, 18% excellent; 28% harvested, 48% 1995, 44% avg. Alfalfa hay 60% 4th cutting, 82% 1995, 66% avg. Other hay 70% 3rd cutting, 76% 1995, 66% avg., 42% 4th cutting, 45% 1995, 27% avg. Hay supplies 1% very short, 9% short, 82% adequate, 8% surplus. Activities: Harvesting vegetables, hay, and corn for grain and silage.

MICHIGAN: Days suitable for fieldwork 5.5. Topsoil moisture was reported as 21% very short, 18% short, 48% adequate, and 13% surplus. Subsoil moisture was 25% very short, 28% short, 38% adequate, and 9% surplus. Dry beans, leaves turning 100%, 100% 1995, 100% avg.; leaves shedding 73%, 99% 1995, 89% avg.; condition 3% very poor, 20% poor, 30% fair, 46% good, 1% excellent. All hay, third cutting 78%, 87% 1995, 70% avg.; All hay, 4th cutting 16%, 25% 1995, 22% avg.; All hay, condition 10% very poor, 16% poor, 30% fair, 37% good, 7% excellent. Potatoes harvested 60%, 77% 1995, 62% avg. Pasture for feed condition 16% very poor, 24% poor, 32% fair, 22% good, 6% excellent.

MINNESOTA: Days suitable for fieldwork 6.2. Topsoil moisture 27% very short, 30% short, 40% adequate, 3% surplus. Corn 96% denting, 96% 1995, 84% 5 yr. avg.; 25% mature, 66% 1995, 42% 5 yr. avg.; 1% harvested, 4% 1995, 2% 5 yr. avg.; 39% silage cut, 53% 1995, 32% 5 yr. avg. Soybeans 88% turning yellow, 94% 1995, 81% 5 yr. avg.; 49% shedding leaves, 73% 1995, 58% 5 yr. avg.; 10% mature, 25% 1995, 22% 5 yr. avg.; 1% harvested, 3% 1995, 3% 5 yr. avg. Spring wheat 96% harvested, 99% 1995, 90% 5 yr. avg. Rye 74% seeded, 69% 1995, 72% 5 yr. avg. Winter Wheat 94% seeded, 67% 1995, 73% 5 yr. avg. Sweet Corn 92% harvested, 84% 1995, 83% 5 yr. avg. Dry Beans 63% harvested, 44% 1995, 51% 5 yr. avg. Potatoes 28% harvested, 30% 1995, 34% 5 yr. avg. Stubble plowed 60%, 52% 1995, 54% 5 yr. avg. Flax 23% harvested, 32% 1995, 43% 5 yr. avg. Sugarbeets 8% harvested, 6% 1995, 8% 5 yr. avg. Pasture 16% very poor, 26% poor, 38% fair, 19% good, 1% excellent. Corn 2% very poor, 10% poor, 40% fair, 42% good, 6% excellent. Soybeans 3% very poor, 10% poor, 40% fair, 44% good, 3% excellent.

MISSISSIPPI: Days suitable for fieldwork 5.3. Soil moisture 1% very short, 20% short, 71% adequate, 8% surplus. Corn 77% harvested, 86% 1995, 65% avg.; 100% silage harvested, 99% 1995, 94% avg.; 1% very poor, 1% poor, 20% fair, 62% good, 16% excellent. Soybeans 78% turning color, 82% 1995, 62% avg.; 56% shedding leaves, 54% 1995, 35% avg.; 26% harvested, 33% 1995, 12% avg.; 1% very poor, 2% poor, 19% fair, 70% good, 8% excellent. Wheat 3% planted, 2% 1995, 5% avg.; Hay (warm season) 98% harvested, 100% 1995, NA avg.; Peanuts 20% harvested, NA 1995, NA avg.; conditions 2% poor, 11% fair, 83% good, 4% excellent. Sweet potatoes 37% harvested, 40% 1995, 46% avg.; conditions 8% fair, 72% good, 20% excellent. Cattle 1% very poor, 4% poor, 22% fair, 64% good, 9% excellent. Pasture 1% very poor, 7% poor, 33% fair, 52% good, 7% excellent. The main farming activities: Harvesting row crops and hay. Planting of winter wheat and ryegrass was also in full swing. Fieldwork hampered due to wet conditions. High moisture in corn remains a concern of producers.

MISSOURI: Days suitable for fieldwork 4.8. Topsoil moisture supply, 4% very short, 27% short, 67% adequate, 2% surplus. Cool, wet weather existed over much of State during the past week, slowing harvesting progress. The rainfall has been beneficial to the late planted row crops and pastures, but the cooler temperatures experienced recently have slowed progression of the soybean and sorghum crops to maturity. The southwestern district leads the state with nearly all of the corn crop harvested, followed by about 70% in the Bootheel. The corn crop is least advanced northeast, with only about 50% mature. Soybean percent turning color, at 52%, is 5 days behind norm. Bootheel leads the state with 20% of the sorghum crop harvested. Pasture and range 6% very poor, 21% poor, 36% fair, 32% good, 5% excellent.

MONTANA: Days suitable for fieldwork 2.5. Topsoil moisture 9% very short, 32% short, 54% adequate, 5% surplus. Subsoil moisture 21% very short, 54% short, 25% adequate, 0% surplus. Much needed rain fell over many parts of the state. Producers who were waiting to plant their winter wheat will be going strong now. Barley 96% harvested, 79% 1995, 80% avg. Oats 95% harvested, 87% 1995, 83% avg. Corn for Silage 58% harvested, 37% 1995, 52% avg. Sugarbeets 5% harvested, 3% 1995, 4% avg. Dry beans 83% harvested, 69% 1995, 64% avg. Potatoes 5% harvested, 11% 1995, 11% avg. 2nd cutting alfalfa hay 96% complete, 93% 1995, 91% avg. Cattle and Calves moved from summer ranges, 25%. Sheep and lambs moved from summer ranges, 33%.

NEBRASKA: Days suitable for fieldwork 3.1. Topsoil moisture 3% short, 70% adequate, and 27% surplus. Subsoil moisture 5% short, 85% adequate, 10% surplus. Wet fields conditions last week delayed wheat seeding activities in the West and South, but benefitted pastures. Corn 92% dent, 96% 1995, 95% avg.; 21% mature, 30% last year, 50% avg.; 1% harvested, 0, 1995, 6% avg. Soybeans 79% turning color, 66% 1995, 84% avg., 25% dropping leaves, 30% 1995, 55% avg.; crop harvest has started on a limited scale in a number of growing areas. Sorghum 89% turning color, 83% 1995, 86% avg.; 13% mature, 16% 1995, 40% avg. Dry beans 94% dropping leaves, 79% 1995; 47% harvested, 37% 1995. Alfalfa 1% very poor, 6% poor, 29% fair, 55% good, and 9% excellent; 96% 3rd cutting, 99% 1995, 97% avg.; 20% 4th cutting, 26% 1995; many recently cut fields were rained on last week. Wheat 44% sown, 54% 1995, 62% avg.; wet conditions delayed

planting activities, but will aid emergence and condition of early seeded fields. Pasture and range 4% poor, 17% fair, 66% good, and 13% excellent. Activities: Preparing equipment for harvest, silage cutting, and seed corn harvest.

NEVADA: Grain harvests complete. Winter wheat, barley seeding gaining momentum. Silage corn harvest continues in full swing. Alfalfa 3rd cutting nearly complete North, 4th cutting underway West-Central, 5th cutting in full swing extreme south. Seeding of new alfalfa stands underway. Alfalfa seed harvest complete in Pershing County, well along in Humboldt County. Sudan harvest continued extreme south. Potatoes harvest continues. Onion harvest in full swing. Field preparation for garlic planting underway. Livestock numbers remain high, awaiting better prices. Range and pasture condition continued to show seasonal decline. Drought persisted South, Southeast. Main farm and ranch activities: Haying, alfalfa seed harvest, potato digging, onion harvest, irrigating, fall planting.

NEW ENGLAND: Days suitable for fieldwork 5.4. Topsoil moisture 6% very short, 17% short, 61% adequate, 16% surplus. Subsoil moisture 8% very short, 15% short, 62% adequate, 15% surplus. Pasture 10% very poor, 6% poor, 32% fair, 45% good, 7% excellent. Maine potatoes 30% harvested, 25% 1995, 25% avg., condition good. Massachusetts potatoes 65% harvested, 55% 1995, 60% avg., condition good. Rhode Island potatoes 65% harvested, 75% 1995, 65% avg., condition good to excellent. Maine oats 70%, 95% harvested 1995, 90% avg., condition excellent to good. Maine barley 85%, 95% harvested 1995, condition excellent to good. Silage corn 15% harvested, 45% harvested 1995, 25% avg., condition good to fair. Sweet corn 95% harvested, 99% 1995, 95% avg., condition good. First hay 99% harvested, 100% 1995, 100% avg., condition good to fair. Second hay 85% harvested, 95% 1995, 90% avg., condition good to excellent. Third cut hay 55% harvested, 70% 1995, 60% avg., condition good to excellent. Apples 30% harvested, 40% 1995, 35% avg., size avg., condition good to excellent. Peaches 99% harvested, 99% 1995, size avg., condition good to excellent. Pears 45% harvested, 70% harvested 1995, size avg., condition good. Cranberries 10% harvested, 5% 1995, size avg. to above avg., condition good to excellent. Highbush blueberries 99% harvested, 99% 1995, size avg., condition good to excellent. Major farm activities: Harvesting hay, corn silage, and potatoes. Harvesting apples. Wet harvesting of cranberries starting in earnest. Planting cover crops on harvested vegetable fields. Waiting for the rain to stop.

NEW JERSEY: Days suitable for fieldwork, 5. Topsoil moisture reported as adequate to surplus. Harvesting of fruits, vegetables and field corn reported. Moderate and declining supply of summer varieties such as beans, peppers, eggplant, cucumbers, sweet corn and squash available. Light and increasing supply of fall varieties such as leafy greens, lettuce, endive, escarole, spinach and parsley available. Peach harvest complete in most areas around the State. Apple harvest continuing. Prospects for cranberry crop continue to look good. Early planted soybeans are turning brown and dropping leaves. Haymaking has been delayed due to recent rains. Pastures look good.

NEW MEXICO: Days suitable for fieldwork 6.1. Soil moisture 3% very short, 25% short, 68% adequate, and 4% surplus. Winter wheat planting was 60% complete and condition reported as 4% fair, 95% good, and 1% excellent. Corn 1% poor, 11% fair, 77% good, and 11% excellent; corn dent stage 90%, with 62% mature. Cotton 12% fair, 78% good, and 10% excellent; cotton bolls opening 83%, 63% 1995, 59% avg. Sorghum 4% very poor, 23% poor, 27% fair, 45% good, and 1% excellent; coloring 60%, 55% 1995, 66% avg.; mature 4%. Alfalfa 1% very poor, 3% poor, 19% fair, 67% good and 10% excellent; 4th cutting 80% and 5th cutting 60% complete. Chile 9% fair, 86% good, and 5% excellent; green chile harvest 78% complete. Lettuce 18% fair, 62% good, and 20% excellent. Pecan 17% fair, 74% good, and 9% excellent. Cattle 1% very poor, 5% poor, 29% fair, 61% good, and 4% excellent; sheep 7% very poor, 8% poor, 25% fair, 57% good, and 3% excellent. Range and pasture feed were 4% very poor, 13% poor, 29% fair, 50% good, and 4% excellent.

NEW YORK: Days suitable for fieldwork 4.1. Soil moisture 55% adequate, 45% surplus. Pasture 22% fair, 78% good. Corn fair to good. Silage harvest slowed by wet weather; 10% complete, 46% 1995, 22% avg. Third cutting alfalfa 64% finished, 84% 1995, 70% avg. Oat

harvest finished. Dry bean, potato harvests underway. Drier weather needed for beans to mature. Vegetable harvesting remained in high gear. Harvest 75 to 90% finished. Insect pressure high. Onion digging gained momentum. Grape harvest active. Concord grape harvest expected to begin at month's end. Apple maturity a week behind 1995. Harvest progressing.

NORTH CAROLINA: Days suitable for fieldwork 4.2. Soil moisture is rated 1% short, 41% adequate and 58% surplus. Hay 3rd cutting 55%, 49% 1995, 55% avg.; corn silage harvested 78%, 75% 1995, 79% avg.; flue-cured tobacco harvested 91%, 89% 1995, 93% avg.; burley tobacco harvested 70%, 81% 1995, 68% avg.; apples harvested 48%, 45% 1995, 53% avg.; sorghum harvested 30%, 25% 1995, 27% avg.; sweet potatoes harvested 15%, 22% 1995, 21% avg. Tobacco 35% very poor, 33% poor, 13% fair, 18% good, 1% excellent; Hay 8% poor, 27% fair, 59% good, 6% excellent. Activities: Repairing storm damage; cultivating crops; spraying for insects and weed control; spraying fungicide on peanuts; harvesting and marketing flue-cured tobacco; harvesting burley tobacco; harvesting corn, sorghum, vegetables, apples, and sweet potatoes; cutting and baling hay; tending Christmas trees; maintaining pastures; tending livestock; repairing equipment and general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 3. The State received badly needed precipitation last week which improved soil moisture, pasture, and immature crop conditions. Topsoil moisture 2% very short, 22% short, 72% adequate, 4% surplus. Subsoil moisture 11% very short, 33% short, 54% adequate, 2% surplus. Except for durum, small grain harvest was virtually complete, ahead of last year and avg. Durum 81% combined; 78% 1995; 75% avg. Late season crop development: Canola 74% harvested; flaxseed 59% harvested; 44% 1995; 44% avg.; corn for grain 55% ripe and beyond; 63% 1995; 41% avg.; dry edible beans 55% harvested; 51% 1995; 42% avg.; soybeans 17% harvested; 25% 1995; 14% avg.; sunflowers 61% bracts turned brown and beyond; 65% 1995, 48% avg.; potatoes 36% dug; 47%, 1995; 52% avg.; sugarbeets 8% lifted; 7% 1995; 8% avg. Condition of corn for grain, soybean, sunflower, and sugarbeet crops increased due to the moisture received. Corn for silage, canola, flax, dry bean, and potato conditions decreased. Canola 3% poor, 18% fair, 62% good, 17% excellent; flaxseed 2% very poor, 7% poor, 24% fair, 59% good, 8% excellent; corn for grain 17% poor, 28% fair, 44% good, 11% excellent; corn for silage 2% very poor, 8% poor, 26% fair, 56% good, 8% excellent; dry edible beans 3% very poor, 8% poor, 29% fair, 53% good, 7% excellent; soybeans 30% poor, 32% fair, 34% good, 4% excellent; sunflower 3% poor, 16% fair, 61% good, 20% excellent; sugarbeets 4% poor, 20% fair, 61% good, 15% excellent; potatoes 1% poor, 9% fair, 66% good, 24% excellent.

OHIO: Days suitable for fieldwork 4.5. Topsoil moisture 5% very short, 22% short, and 65% adequate. Alfalfa hay 3rd cutting 86%; 89% 1995; 92% normal. Other hay 3rd cutting 65%; 68% 1995; 69% normal. Processing tomato harvest advanced to 62% complete. Apple harvest progressed to 41% complete. Potatoes dug is at 51%; 61% 1995; 61% normal. Corn harvested for grain, 2%; 3% 1995; 5% normal. A few soybean fields harvested as well. Winter wheat seeding 1%; 4% 1995; 3% normal. Field preparations continue very active. Livestock 1% very poor, 4% poor, 26% fair, 58% good, 11% excellent. Fall calving season beginning.

OKLAHOMA: Days suitable for fieldwork 2.9. Topsoil moisture 5% short, 77% adequate, 18% surplus. Subsoil moisture 7% short, 87% adequate, 6% surplus. Wheat 82% seedbed prepared, 86% 1995, 92% avg., 4% up-to-stand, 2% 1995, 8% avg.; Oats 87% seedbed prepared, 75% 1995, 80% avg., 26% planted, 9% 1995, 14% avg.; Corn 63% mature, 78% 1995, 91% avg.; 42% harvested, 41% 1995, 62% avg.; Soybeans 55% mature, 31% 1995, 38% avg., 11% harvested, 11% 1995, 12% avg.; peanuts 46% mature, 20% 1995, 37% avg., 1% combined, 0% 1995, NA avg.; alfalfa 2% very poor, 4% poor, 29% fair, 57% good, 8% excellent; alfalfa hay 79% 4th cutting, 77% 1995, 83% avg.; 13% 5th cutting, 13% 1995, 22% avg.; Livestock 2% poor, 12% fair, 76% good, 10% excellent. Feeder steers and heifers were steady to slightly higher.

OREGON: Days suitable for fieldwork 6.3. Topsoil 18% very short, 50% short, 32% adequate. Subsoil 16% very short, 55% short, 29% adequate. Barley 93% harvested, 93% 1995, 91% average. Barley

planted 2%, 1% 1995, 10% avg. Activities: Moisture slowed fall fieldwork and planting. Hop harvest nearly completed, some hay harvest continued, Willamette Valley, Klamath Basin grain and alfalfa hay harvest continued. Recent rains helped nursery crops and Christmas trees. Fall planting, digging, container movement, and pruning activities full swing. Klamath Basin potatoes 5% harvested. Potato harvest underway, central and northeastern sections. Willamette Valley sweet corn and cole crop harvest continued, green beans winding down, caneberry pruning and training well advanced, strawberry field mowing and fertilizing continued, late peach and prune harvest completed, hazelnuts drop continued, grape harvest preparations underway. Milton-Freewater district apple harvest continued; starting golden and red delicious. Pear harvest continued, Rogue River and Hood River valleys. Cranberry harvest preparations underway, southern coast. Cattle and sheep good-excellent. Rainfall greatly enhanced western pasture regrowth. Eastern seasonal cattle movement continued. Fall preconditioning and pregnancy checking underway.

PENNSYLVANIA: Days suitable for fieldwork 2.6. Soil moisture 3% short, 47% adequate, 50% surplus. Corn silage harvest very active. Many farmers still waiting for dry down. Corn grain harvest more active but still slow. Continued to be difficult to make hay. Potato harvest advanced by only 2 points due to wet soil. Fruit damage from heavy rains. Ensilage corn harvest 25% complete, 64% 1995, 40% avg. Soybean crop condition 2% poor, 14% fair, 52% good, 32% excellent. Wheat planted 22% complete, 9% 1995, 26% avg. Barley planted 23% complete, 16% 1995, 30% avg. Tobacco harvest 96% complete, 99% 1995, 92% avg. Potato harvest 45% complete, 42% 1995, 56% avg. Alfalfa third cutting 77% complete, 74% 1995, 80% avg. Alfalfa 4th cutting 35% complete, 26% 1995, 39% avg. Timothy clover 2nd cutting 92% complete, 87% 1995, 93% avg. Quality of hay made 6% very poor, 20% poor, 36% fair, 34% good, 4% excellent. Apple harvest 42% complete, 37% 1995, 43% avg. Peach harvest 95% complete, 95% 1995, 96% avg. Grape harvest 41% complete, 44% 1995, 47% avg. Fall plowing 42% complete, 34% 1995, 48% avg. Activities: Making hay and haylage; harvesting corn, corn silage, potatoes, fruits and vegetables; seeding barley, wheat and alfalfa; fixing fences; hauling manure; and caring for livestock.

SOUTH CAROLINA: Soil moisture 1% very short, 10% short, 66% adequate, 23% surplus. Days suitable for fieldwork 6.1. Corn 83% harvested, 86% 1995, 79% 5-yr avg.; 5% very poor, 22% poor, 32% fair, 33% good, 8% excellent. Hay 2% very poor, 5% poor, 35% fair, 53% good, 5% excellent. Sorghum 54% harvested, 39% 1995, 40% 5-yr avg.; 1% very poor, 9% poor, 36% fair, 52% good, 2% excellent. Sweet potatoes 18% harvested, 13% 1995, 24% 5-yr avg.; 2% very poor, 6% poor, 60% fair, 31% good, 1% excellent. Tobacco 98% harvested, 98% 1995, 96% 5-yr avg.; 56% stalks destroyed, 73% 1995, 64% 5-yr avg.; 5% very poor, 9% poor, 50% fair, 30% good, 6% excellent. Apples 58% harvested, 62% 1995, 62% 5-yr avg.; 40% very poor, 25% poor, 18% fair, 17% good.

SOUTH DAKOTA: Days suitable for fieldwork 3.4. Topsoil moisture 3% very short, 13% short, 76% adequate, 8% surplus. Subsoil moisture 1% very short, 30% short, 65% adequate, 4% surplus. Storms brought needed rain that replenished most of the State's soil. Producers got the moisture needed for winter wheat seeding. Scattered areas received freezing temperatures, but the amount of damage is unknown. Row crop harvesting is just beginning. Most producers are awaiting a killer freeze to help with the dry down. Corn silage harvested 32%, 27% 1995, 37% avg. Sorghum silage harvested 27%, 13% 1995, 34% avg. Soybeans 28% mature, 22% 1995, 35% avg. Sunflowers 78% bracts yellow, 74% 1995, 80% avg.; 28% mature, 26% 1995, 41% avg. Sunflowers 5% poor, 20% fair, 56% good, 19% excellent. Winter rye 40% planted, 81% 1995, 72% avg.; 13% emerged, 33% 1995, 36% avg. Livestock condition 1% poor, 10% fair, 70% good, 19% excellent. Stock water supplies 3% short, 91% adequate, 6% surplus.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil moisture 7% short, 86% adequate, and 7% surplus. Subsoil moisture 6% short, 90% adequate, 4% surplus. Corn 95% mature, 90% 1995, 85% avg.; 50% grain harvested, 66% 1995, 38% avg.; 90% silage harvested, 95% 1995, 80% avg. Tobacco 84% burley harvested, 84% 1995, 84% avg.; 87% air-cured harvested, 90% 1995, 86% avg.; 86% dark fire-cured harvested, 90% 1995, 84% avg. Sorghum 10% fair, 77% good, 13% excellent; 95% turning color, 100% 1995, 97% avg.; 79% mature, 94%

1995, 85% avg.; 27% harvested, 54% 1995, 41% avg. Wheat 4% seeded, 8% 1995, 5% avg. Pasture 2% poor, 23% fair, 61% good, 14% excellent.

TEXAS: Violent thunderstorms erupted parts Central midweek bringing very heavy rain, high winds. The heavy rains cause further problems for producers harvesting cotton, but rainfall provided good planting moisture for small grains. Harvest operations Plains slowly increasing by midweek as dry conditions returned; however, cool nighttime temperatures slowed crop maturity some. Armyworms continued a problem many pastures, have now begun moving into emerging small grain fields. Spraying operations continued as weather permitted. Haying operations continued some areas. Livestock conditions continued good most areas. The localized heavy rainfall, runoff allowed stock tanks to catch additional water.

Crops: Small Grains: Fields continued emerge Plains as sunny conditions returned by midweek. Planting continued most areas where conditions allowed. Producers watching emerged fields closely for armyworms. Some seeding occurred parts Central, however rainfall during week limited progress. Good planting moisture will exist as producers return to fields. Corn: Harvest operations slowly increasing in Plains, however many fields remained too wet from early week rains much progress. Grain Sorghum: Fields turning color in Plains, North Central areas. A return to warmer temperatures by midweek improved crop maturity. Harvest should begin soon as weather permits. Most harvest completed along Upper Coast. Cotton: Producers in Plains beginning apply harvest aids by midweek. Cloudy, cool conditions slowed maturity until midweek. Heavy rainfall Central caused problems for harvest and quality. Harvest winding down along Upper Coast between showers. Rice: Harvest operations slowly coming to close on many fields along Upper Coast. Regrowth for second crop good. Peanuts: Harvest increased North Central areas on early varieties. Harvest getting underway parts South Central. Soybeans: Harvest slowed by wet conditions North Central areas, winding down along Upper Coast.

Commercial Vegetables: Rio Grande Valley, planting operations slowly increasing, however shortage of irrigation water reduced acreage. Harvest early oranges just getting underway some groves. San Antonio-Winter Garden, cabbage planting continued as conditions allowed. Spinach planting getting underway. East, sweet potato harvest continued most week. High Plains, pepper harvest continued. Trans-Pecos, cantaloup harvest continued few fields. Pecans: Harvest expected begin few areas soon. Aphids continued cause problems during week. High winds embedded in severe thunderstorms Central caused some nuts to fall.

Range and Livestock: Improvement in pasture conditions continued nearly all areas. Hay cutting continued some areas. Armyworms continued to cause problems many pastures, spraying underway. Livestock remained in good condition. Shearing operations continued.

UTAH: Days suitable for fieldwork 4.6. Topsoil moisture 14% very short, 40% short, 43% adequate, 3% surplus. Subsoil moisture 15% very short, 46% short, 39% adequate. Winter wheat seeded 31%, 52% 1995, 60% avg. Winter wheat emerged 15%, 19% 1995, 18% avg. Oats harvested for grain 88%, 99% 1995, 94% avg. Corn in dough stage 82%, 70% 1995. Corn in dent stage 49%, 34% 1995. Corn maturity 25%, 5% 1995, 44% avg. Corn harvested for silage 21%, 4% 1995, 35% avg. Onions harvested 50%, 32% 1995, 52% avg. Dry beans harvested 25%, 39% 1995. Potatoes harvested 36%, 4% 1995, 34% avg. Alfalfa hay 3rd cutting 83%, 81% 1995, 80% avg. Alfalfa hay 4th cutting 18%, 11% 1995, 20% avg. Alfalfa seed harvested 31%, 22% 1995, 59% avg. Peaches picked 94%, 95% 1995, 93% avg. Apples picked 27%, 36% 1995, 32% avg. Pears picked 84%, 87% 1995. Range and pasture 11% very poor, 29% poor, 40% fair, 20% good. Cattle moved from summer range 34%, 19% 1995, 29% avg. Sheep moved from summer range 32%, 18% 1995, 26% avg. Major farm, ranch activities: harvesting alfalfa, corn silage, onions, and fruit.

VIRGINIA: Days suitable for fieldwork 3.3. Topsoil 4% short, 60% adequate, 36% surplus. Subsoil moisture 3% short, 61% adequate, 36% surplus. Corn 90% dent, 1995 96%, 97% avg.; 60% mature, 1995 83%, 85% avg.; 15% corn for grain harvested, 1995 47%, 40% avg.; 45% corn silage harvested, 1995 75%, 64% avg.; Soybeans 90% setting pods, 1995 100%, 100% avg.; 3% very poor, 8% poor, 11% fair, 49% good, 29% excellent. Cotton 17% fair, 70% good, 13% excellent. Peanuts 10% dug, 1995 27%, 12% avg.; 1% combined, 1995 12%, 5% avg.; 36% fair, 50% good, 14% excellent. Fire cured tobacco 88%

harvested, 93% 1995, 92% avg. Flue cured tobacco 70% harvested, 87% 1995, 80% avg. Burley tobacco 60% harvested, 82% 1995, 75% avg. Sun cured tobacco 85% harvested, 90% 1995, 90% avg. Livestock 7% fair, 79% good, 14% excellent. Pasture feed 9% fair, 71% good, 20% excellent. Fall apples 30% harvested, 25% 1995; Winter apples 7% harvested. Barley 2% seeded, 4% 1995, 9% avg. Oats 6% seeded, 8% 1995, 11% avg. Activities: Corn, corn silage harvest delayed by slow crop development, inability to get harvesting equipment into wet fields. Lodging concern for many field crops. Tobacco harvest intense, continues behind schedule. Peanut digging, combining underway, behind 5-year avg. Cotton defoliation begun. Land preparation, seeding of small grains underway but slowed by wet fields. Vegetable work continues, includes harvesting tomatoes, cucumbers.

WASHINGTON: Days suitable for fieldwork 6.1. Topsoil moisture 2% very short, 28% short, 70% adequate; subsoil 42% short, 58% adequate. Winter wheat, dryland 6% fair, 84% good, 10% excellent; irrigated, 100% good. Winter wheat 100% harvested, 100% 1995, 100% avg. Some reseeded of winter wheat required due to crusted soil surface. Spring wheat 99% harvested, 100% 1995, 99% avg. Barley 99% harvested, 100% 1995, 99% avg. Potatoes 36% harvested, 27% 1995, 36% avg. Potatoes 9% fair, 88% good, 3% excellent. Dry beans 39% harvested, 44% 1995, 50% avg. Dry beans 100% good. Alfalfa seed harvest nearing completion. Hop harvest was still going strong. Hay, other roughage supplies, 9% short, 89% adequate, 2% surplus. Range and pasture feed, 5% poor, 45% fair, 45% good, 5% excellent. Alfalfa 3rd cutting 91%, 96% 1995, 90% avg. Corn silage 35% harvested, 23% 1995, 30% avg. Fruit harvest was in full swing. Red Delicious, Golden Delicious and Granny Smith apples were being picked. D'Anjou pear harvest continued. Lettuce, cabbage, carrots and onions were being harvested. Flower bulb harvest was winding down.

WEST VIRGINIA: Days suitable for fieldwork 3.3. Topsoil moisture 80% adequate, 20% surplus. Winter wheat 8% planted, 4% 1995. Hay 1% very poor, 2% poor, 20% fair, 67% good, 10% excellent; second cutting 88%, 93% 1995, 90% avg.; 3rd cutting 50%, 62% 1995, 76% avg. Corn 1% poor, 11% fair, 77% good, 11% excellent; 97% dough stage, 98% 1995, 98% avg.; 77% dent stage, 84% 1995; 48% mature stage, 71% 1995, 79% avg.; harvested 3%, 20% 1995, 22% avg. Soybeans 6% poor, 13% fair, 81% good; 58% dropping leaves, 81% 1995. Tobacco 83% harvested, 81% 1995, 79% avg. Cattle 13% fair, 77% good, 10% excellent. Sheep 4% fair, 85% good, 11% excellent. Apples 100% fair. Apple harvest continued where conditions allowed. Activities: Clean up and assessing damage from Hurricane Fran continued; cutting and baling hay; harvesting tobacco; chopping silage, clipping pastures, marketing cattle, repairing fences.

WISCONSIN: Days suitable for fieldwork 6.7. Soil moisture: 40% very short, 42% short, and 18% adequate. Farmers have begun chopping corn for silage in most areas of the state. Corn silo filling was 18% complete. Reporters from the North Central district reported some corn fields have frozen. Hay harvesting, corn chopping, and fall tillage were some field activities this past week. Fall tillage was at 6% completed, in line with last year. As of the 22nd, third crop hay had been 80% completed, compared to 82% last year, and the 5-year avg. of 69%. Third crop was better than expected in the East Central district. Some areas of the state were finishing up second crop hay. Soybean acreage had 75% which showed a change in the color of the leaves, and 24% which started to shed leaves. Last year 85% of the leaves had turned and 42% of the acreage shed leaves. A reporter from Juneau County reported some harvested beans being very small. Soybean conditions rated 3% very poor, 7% poor, 38% fair, 46% good, and 6% excellent. The northern districts commented on the apple crop yielding less than a normal year with smaller sized apples. Pasture feed conditions rated 23% very poor, 31% poor, 32% fair, 13% good, and 1% excellent.

WYOMING: Days suitable for fieldwork 4.4. Topsoil moisture supplies 1% very short, 42% short, 57% adequate or surplus. Subsoil moisture supplies 11% very short, 55% short, 34% adequate or surplus. Oats 91% harvested, 94% 1995, 91% avg. Dry beans 99% windrowed, 89% 1995, 85% avg.; 86% combined, 60% 1995, 51% avg. Corn 98% dented, 81% 1995, 78% avg.; 76% mature, 37% 1995, 31% avg., corn silage 69% harvested, 48% 1995, 58% avg. Alfalfa 3rd cutting 47% harvested, 39% 1995, 46% avg. Winter wheat seeding for 1997 harvest 83% planted, 83% 1995, 80% avg., 56% emerged, 50% 1995, 40% avg.

International Weather and Crop Summary

September 15 - 21, 1996

HIGHLIGHTS

FSU-WESTERN: Rain hampered summer crop harvesting and winter wheat planting in Ukraine, southern Russia, and Belarus.

FSU-NEW LANDS: Wet, cold weather caused further delays in spring wheat harvesting in Russia.

EUROPE: Wet weather delayed corn harvesting in the south, while several days of dry weather helped fieldwork in the north.

AUSTRALIA: Beneficial rain covered the winter grain belts, but unseasonable cold returned to the northeast, possibly resulting in some frost damage.

CANADA: Heavy rain in the western Prairies halted fieldwork and threatened grain quality.

SOUTH ASIA: Rainfall tapered off across the region as the rainy season began to wind down.

SOUTHEAST ASIA: Tropical Storm Willie hit northeastern Vietnam, causing additional flooding and damage to nearby crop areas.

EASTERN ASIA: Heavy rain in western and central China hindered summer crop harvesting but improved moisture reserves for winter wheat establishment.

SOUTH AMERICA: Significant rain favored Argentine wheat in Buenos Aires, but rainfall remained insufficient for crop development farther north in Cordoba and Santa Fe.

MEXICO: Beneficial rain continued over the corn belt, but dry weather returned to the north.

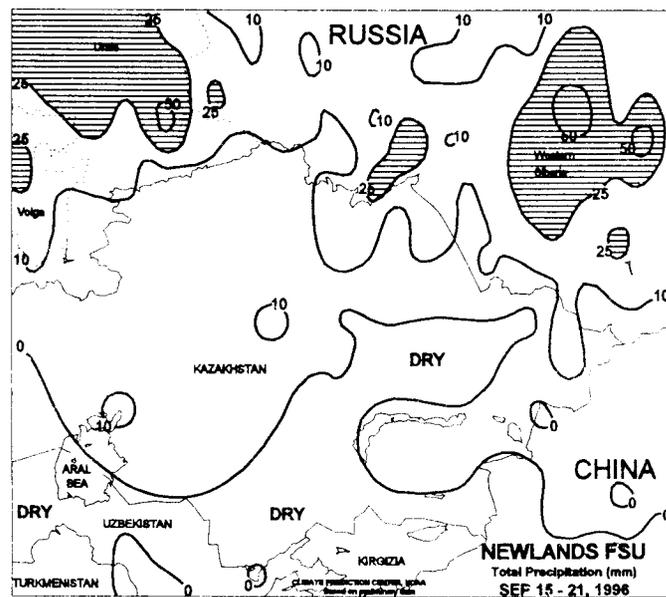
FSU-WESTERN

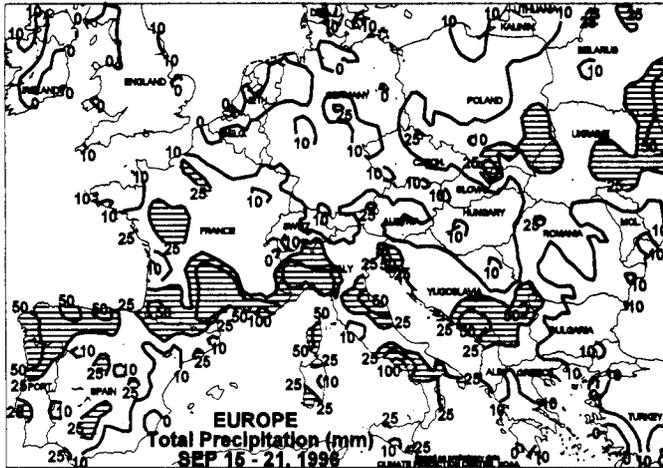
Widespread light to moderate rain (10-40 mm, with locally heavier amounts in excess of 50 mm) continued to fall over most of Ukraine, Russia, and Belarus. The rain hampered corn, sunflower, sugarbeet, and potato harvests in these areas, but provided sufficient topsoil moisture for winter grain emergence and establishment. Winter wheat planting in traditional growing areas of Ukraine and southern Russia was likely slowed due to wet field conditions. In Moldova and adjacent areas of southwestern Ukraine, light showers (less than 7 mm) caused only brief delays in fieldwork. Weekly temperatures over Ukraine, Russia, Belarus, and the Baltics averaged 2 to 6 degrees C below normal. At week's end, minimum temperatures fell below freezing (-1 to -4 degrees C) in northern Russia, Belarus, and the Baltics, ending the 1996 growing season. The freeze in these areas occurred on typical first-freeze dates.



FSU-NEW LANDS

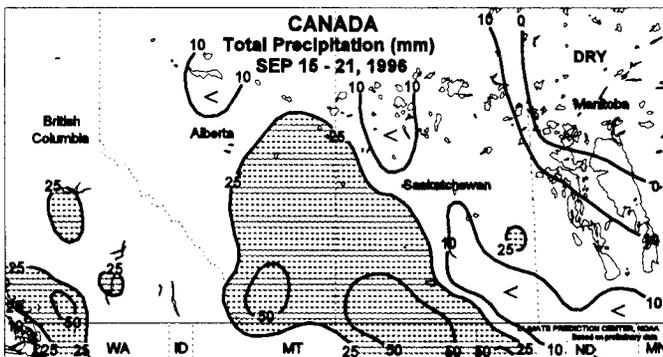
Unseasonable cold, wet weather (12-50 mm) continued over Russian spring grain areas, causing further delays in harvesting. In fact, the rains increased in both intensity and coverage. As a result of the persistent wetness, the spring grain harvest in Russia will likely extend into October, weather permitting. Farther south, seasonable temperatures were accompanied by only light scattered showers (generally less than 5 mm) in Kazakhstan, allowing spring grain harvesting to rapidly advance. In cotton growing areas of central Asia, hot, dry weather favored boll maturation and early cotton harvesting. The cotton harvest typically begins in late-September and continues through November.





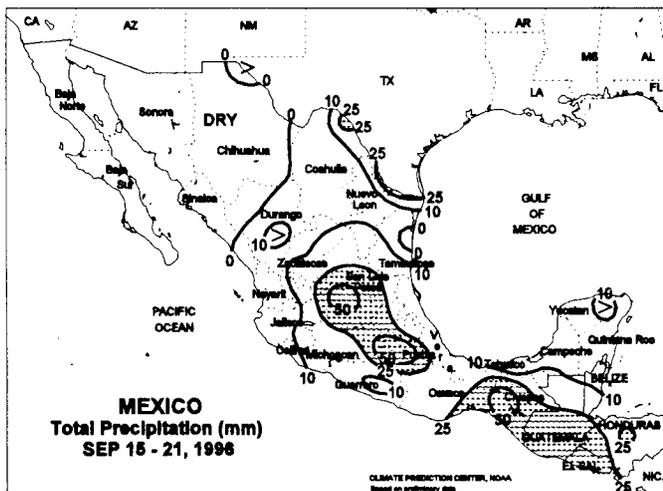
EUROPE

Wet weather (15-50 mm, with locally heavier amounts in excess of 50 mm) spread from Spain, eastward through southern France, into northern Italy, interrupting corn and sunflower harvesting. Showers (10-45 mm) in central and northern France followed a dry spell, favoring emerging rapeseed. Several days of dry weather prevailed over the United Kingdom, Benelux countries, Germany, and northern Poland, helping fieldwork for summer crop harvesting and planting of 1997 winter crops. In eastern Europe, light showers (generally less than 10 mm) caused only brief delays in summer crop harvesting and winter grain planting. In Scandinavia, planting of 1997 winter grain crops began in most areas, helped by mostly dry weather conditions. Weekly temperatures averaged 2 to 5 degrees Celsius (C) below normal over most of Europe.



CANADA

Widespread, locally heavy rain (25-75 mm) covered much of the western Prairies, bringing fieldwork to a standstill and threatening quality of unharvested spring grains and oilseeds. The rain in the west was spread over much of the week. Ironically, the rainfall was some of the heaviest of the season in the southwest, which had experienced unfavorable dryness for much of the summer. In the eastern Prairies, good harvest weather prevailed for much of the week, but rain from the west pushed into Manitoba at week's end. Only local sections of the Prairies have received a killing freeze. Farther east, drier weather aided maturing corn and soybeans for most of the week in Ontario.

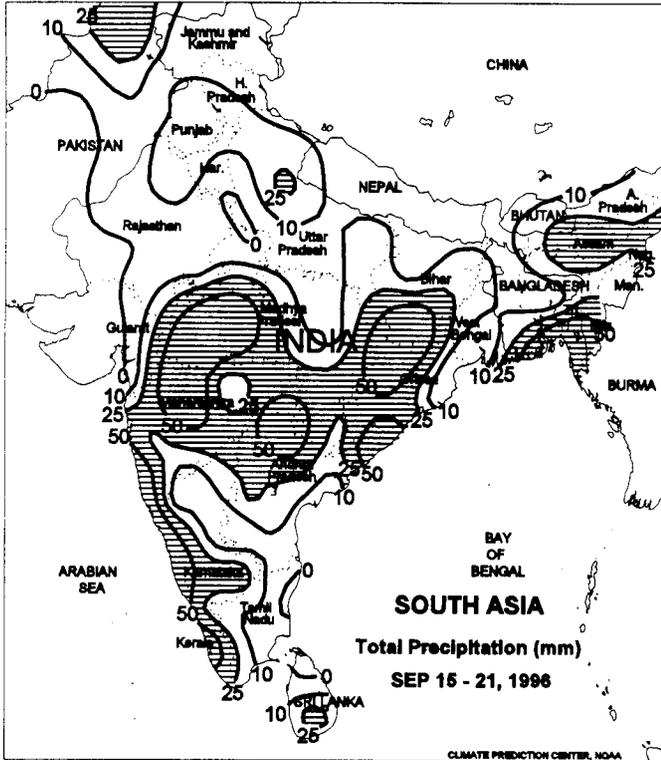


MEXICO

Scattered showers (10-25 mm or more, exceeding 50 locally) continued over the Southern Plateau corn belt, benefiting filling corn. Seasonal rains continued to the south and east. In northern Mexico, scattered, mostly light showers (exceeding 10 mm only locally) continued in the northeast, but dry weather returned to the north-central areas following last week's beneficial rain. Temperatures averaged near to below normal in the northwest but 1 to 3 degrees C above normal over much of the northeast and corn belt.

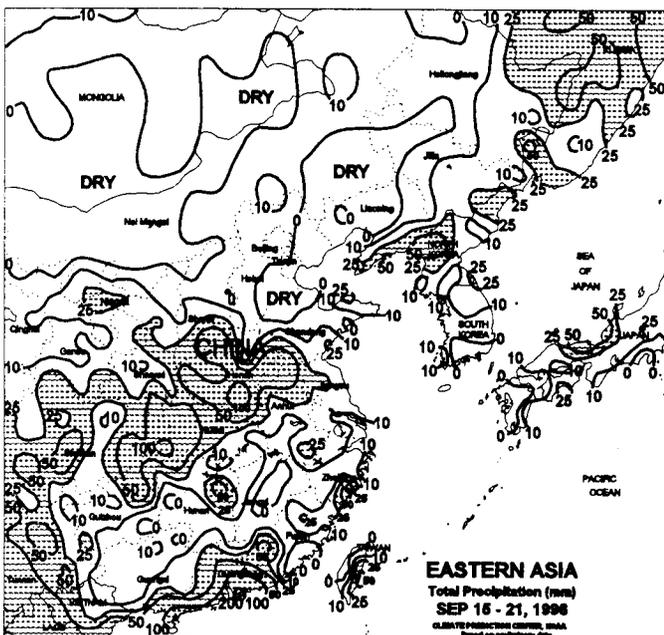
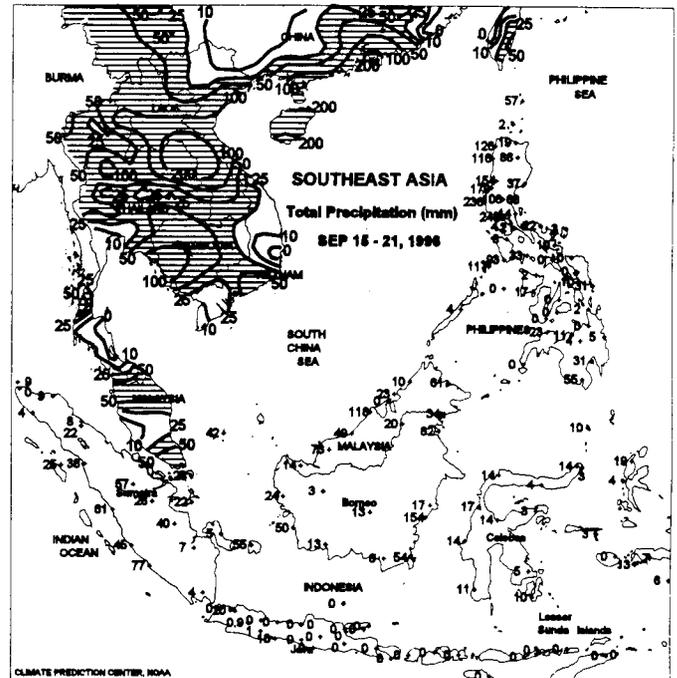
SOUTH ASIA

Rainfall diminished across the region as the monsoon showed signs of seasonal weakening and retreat. Moderate to heavy rain (25-50 mm or more) was confined to central India and a few locations in the east. The rain kept coarse grains, oilseeds, and cotton well watered. However, the persistent warm, dry weather further depleted soil moisture in the main groundnut areas of Gujarat. Farther north, seasonably drier weather favored maturing cotton following recent weeks of wet weather.



SOUTHEAST ASIA

Tropical Storm Willie hit Vietnam's north-central coast, compounding the flooding and crop damage caused by last week's tropical systems. In Vietnam, heavy rain (50-173 mm) was concentrated south of Hanoi, while farther inland, inundations of 100 to 300 mm or more occurred over northeastern Thailand and central Laos. Elsewhere in Indochina, moderate to heavy rain (25-50 mm or more) over Thailand maintained moisture reserves for grains and sugarcane, but rainfall was generally light (25 mm or less) over the Malay Peninsula. In the Philippines, heavy rain (95-179 mm) covered northwest coastal areas but showers were generally scattered and light elsewhere. Dry, warm weather prevailed over Java, reducing moisture for second-season rice and other crops.



EASTERN ASIA

Moderate to heavy rain (25-50 mm or more exceeding 100 mm locally) fell over much of western and central China, including the Sichuan basin and western portions of the North China Plain. Lighter showers (5-40 mm) covered southern sections of the North China Plain. While hampering summer crop harvests, the moisture was beneficial for winter wheat germination and establishment throughout the region. Farther south, moderate to heavy rain (25-200 mm or more, heaviest along the coast) caused by the near passage of Typhoon Willie was unfavorable for mature rice and other summer crops in Guangdong. Inundating rain from Willie also fell over Hainan Island. Elsewhere, mostly dry weather over Manchuria's main summer crop areas favored maturing summer crops. Mostly light rain (25 mm or less) over the main rice areas of South Korea and Japan likely caused minor harvesting delays.

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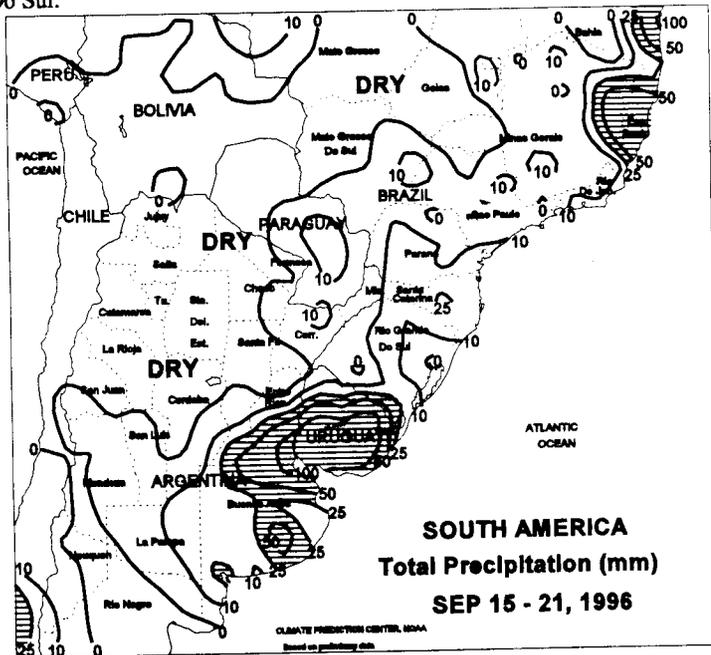
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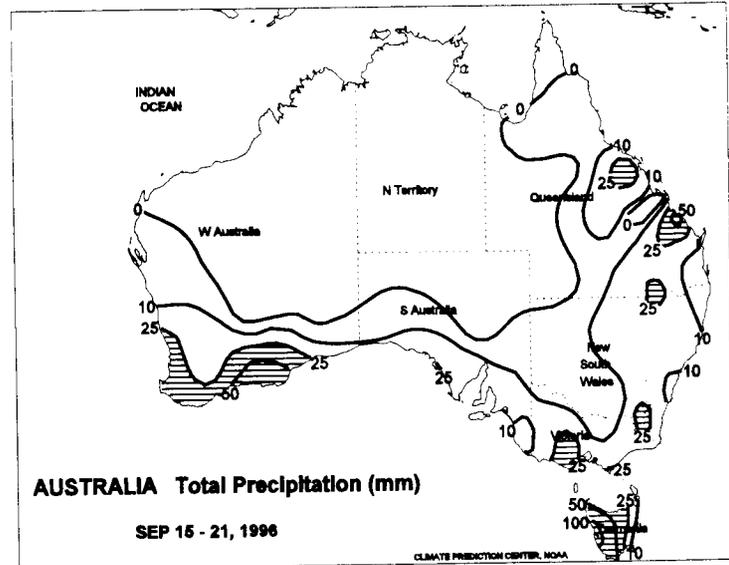
SOUTH AMERICA

In Argentina, only light scattered showers fell over Cordoba and Santa Fe, where moisture remained limited for winter wheat in or nearing the heading stage. Farther south, significant rain (13 to 50 mm) fell over Buenos Aires, providing beneficial moisture for vegetative wheat. However, minimum temperatures on September 16-17 dropped below freezing (-2 to -3 degrees C) in Buenos Aires and may have burned tender vegetation. In southern Brazil, light showers (4-27 mm) continued to favor flowering coffee, citrus, and immature wheat in Rio Grande Do Sul. However, the rain may have caused some delays in wheat harvesting in northern Parana and Mato Grosso Do Sul.



AUSTRALIA

Scattered mostly moderate showers (10-25 mm or more) covered nearly all major winter grain areas. The rainfall maintained generally favorable moisture reserves for vegetative to reproductive winter grains. Sorghum and cotton planting should be increasing in Queensland due to the favorable moisture. However, the front bringing the rain ushered another unfavorably cool air mass into the eastern winter grain belt, with frost and local subfreezing temperatures possibly causing localized damage. Near- to above-normal temperatures elsewhere favored winter grain development. In New Zealand, rainfall was light over the main pasture areas.



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