

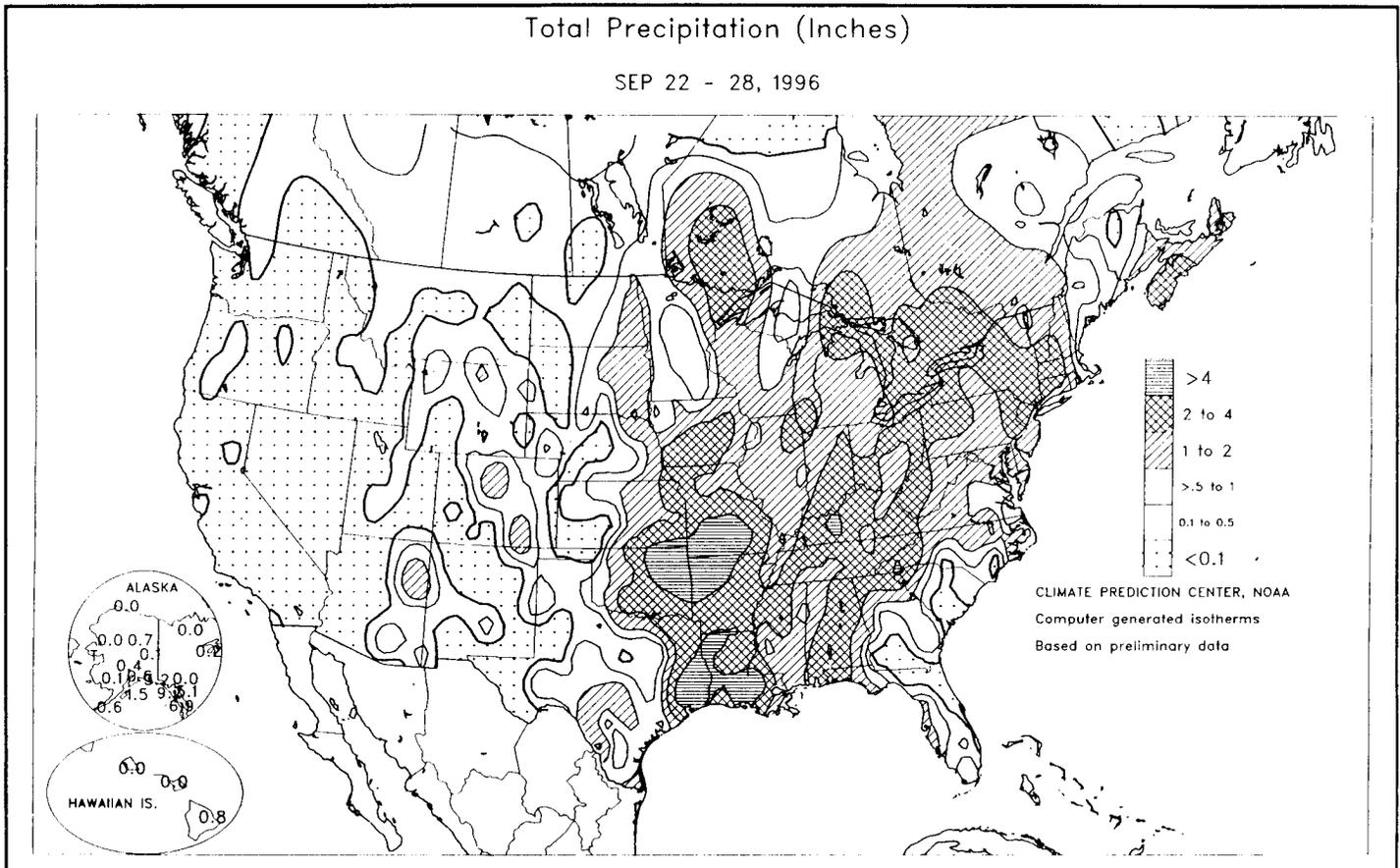
WEEKLY WEATHER AND CROP BULLETIN

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 22 - 28, 1996



HIGHLIGHTS

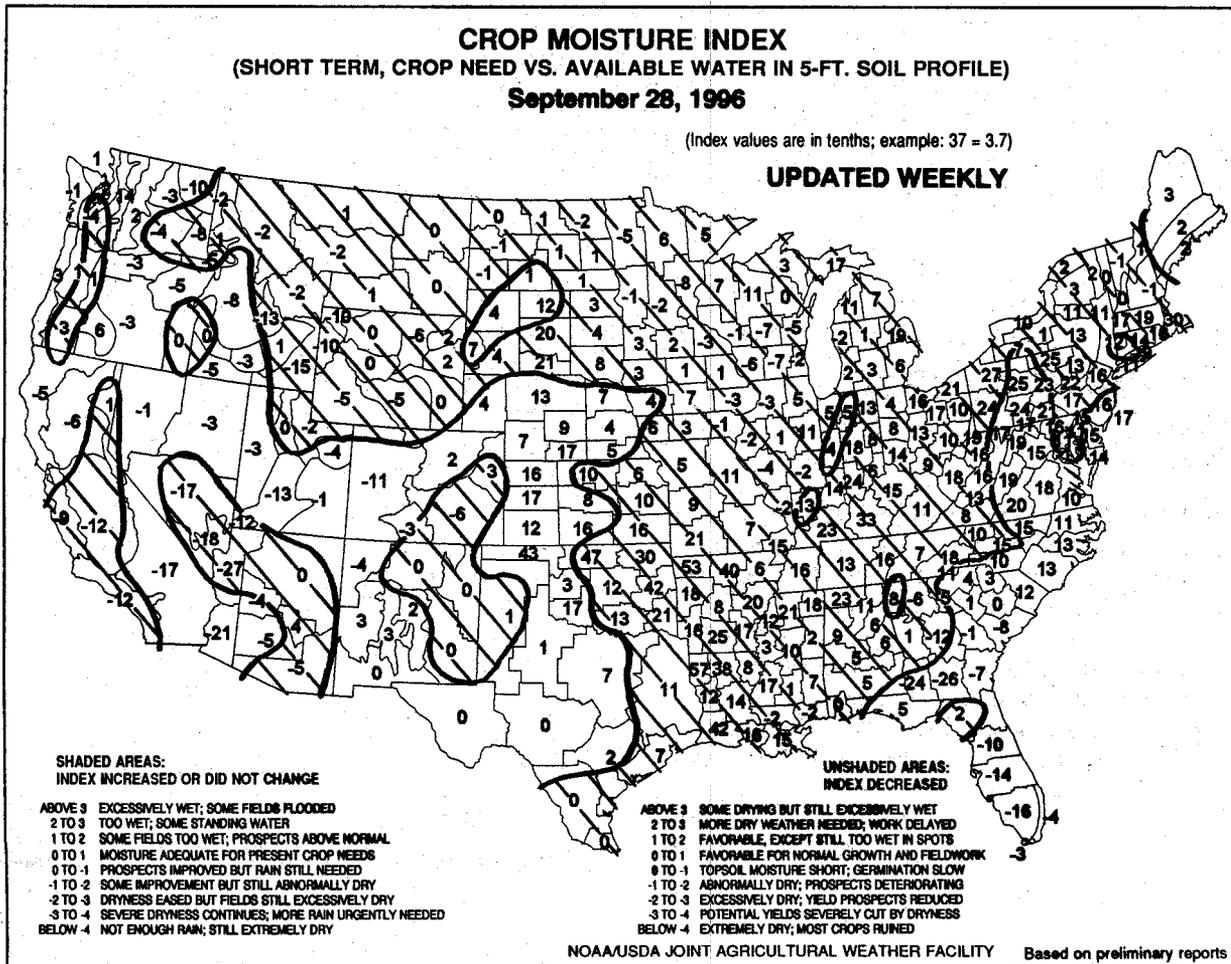
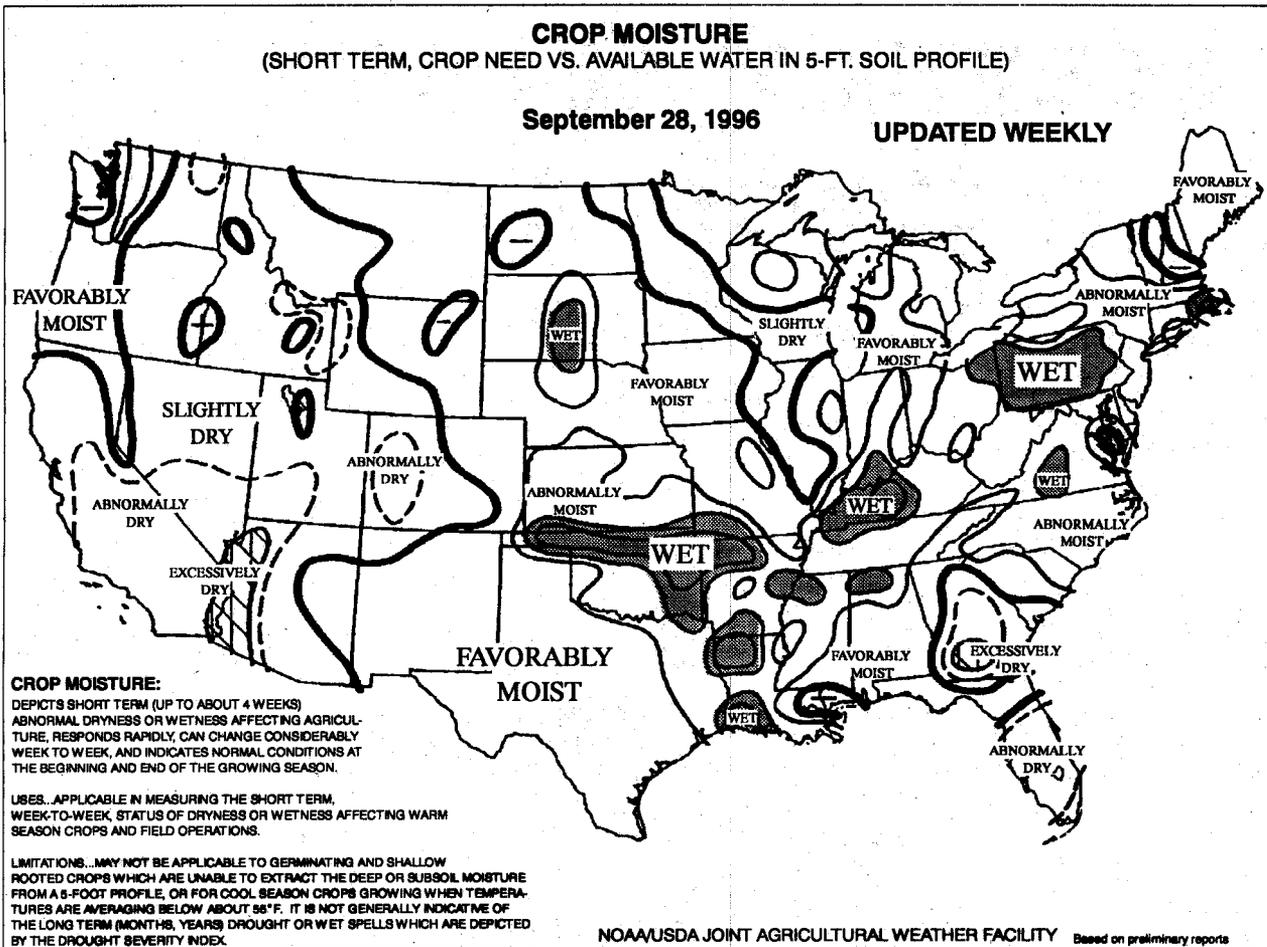
September 22 - 28, 1996

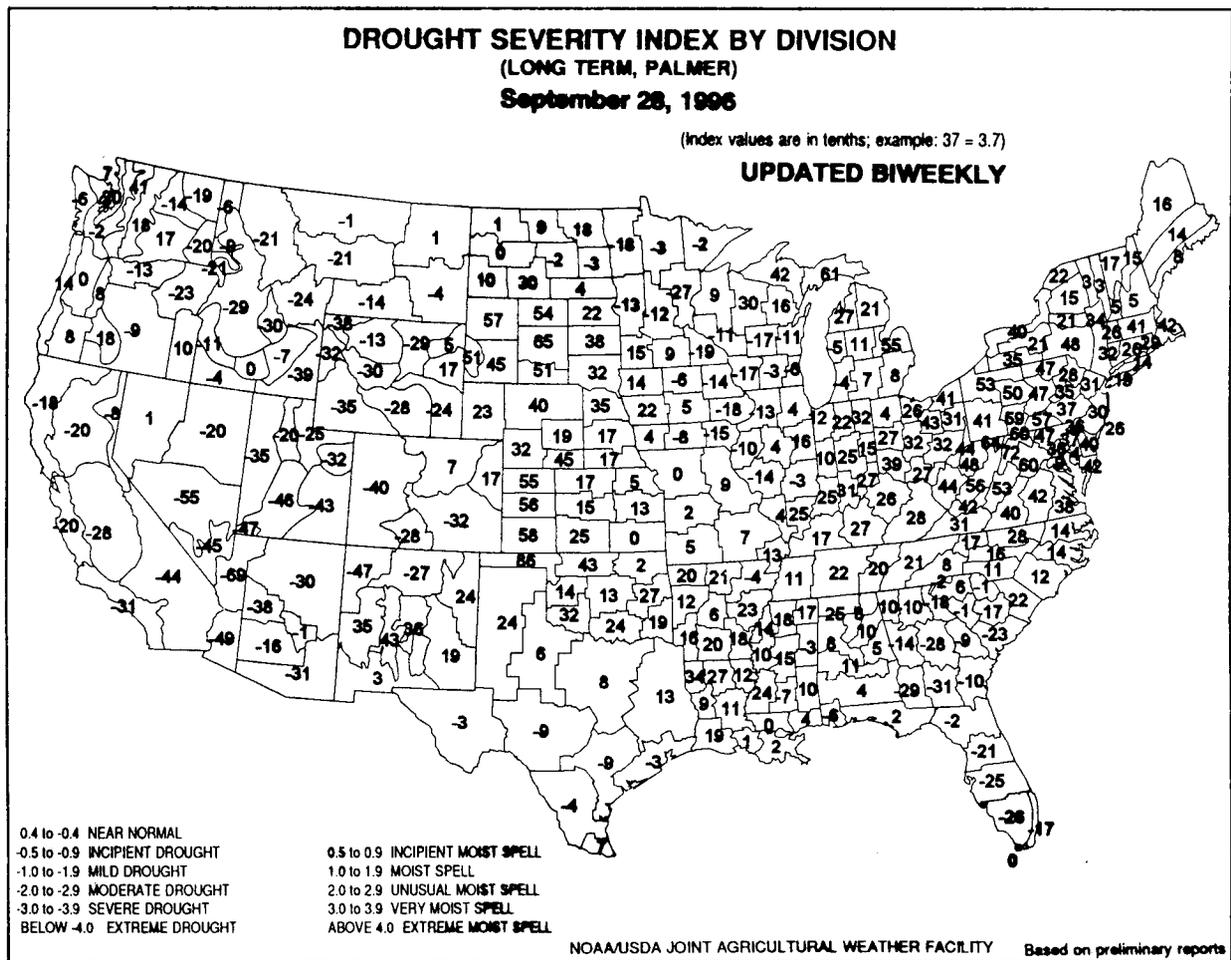
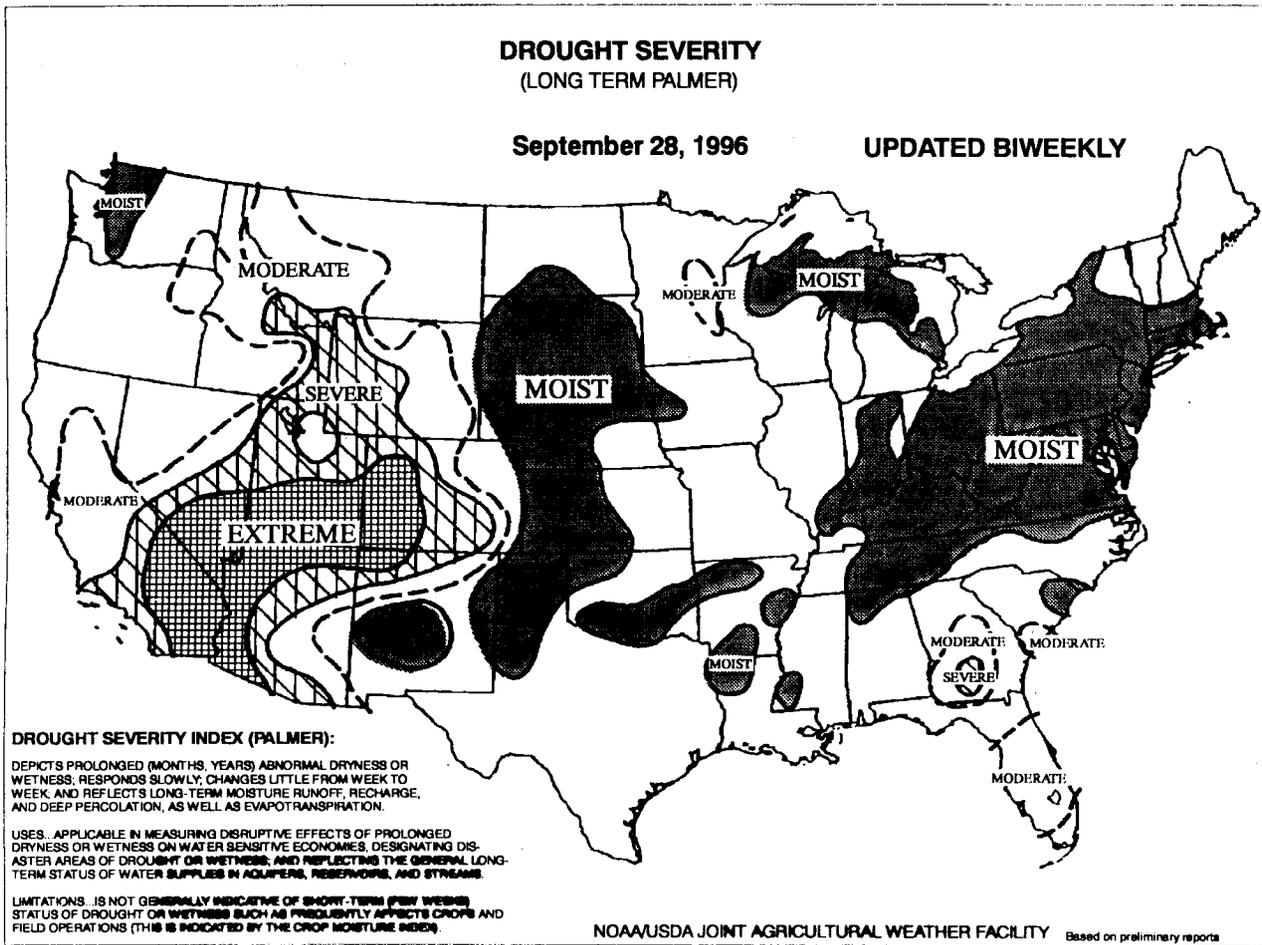
Hheavy rain, sparked by a dynamic and moisture-laced storm system, spread from the Plains to the East after midweek. In conjunction with earlier rainfall, weekly totals topped 4 inches in the Ozark and Ouachita highlands and in parts of eastern Texas and Louisiana. The season's first significant snowfall blanketed the Rockies and the central High Plains. Cold air in the storm's wake delivered a hard freeze to Montana and resulted in frost and near-freezing temperatures as far south and east as eastern Colorado and Nebraska. Farther east, late-planted Corn Belt crops advanced toward maturity, but wet weather hampered fieldwork and harvest activities. Weekly temperatures averaged more

(Continued on page 4)

Contents

Crop Moisture Maps	2
Palmer Drought Maps	3
Precipitation Needed to End Drought Map	4
Temperature Departure & Extreme Minimum Temperature Maps	5
Growing Degree Day Maps	6
National Weather Data for Selected Cities	7
National Agricultural Summary	10
Crop Progress and Condition Tables	11
Pan Evaporation Map	13
State Agricultural Summaries	14
International Weather and Crop Summary	20
Subscription Information & Pasture Condition Table	24





(Continued from front cover)

than 3°F below normal from the interior Northwest to the Midwest, southward into central Texas. Departures reached -6 to -10°F in the northern and central Plains.

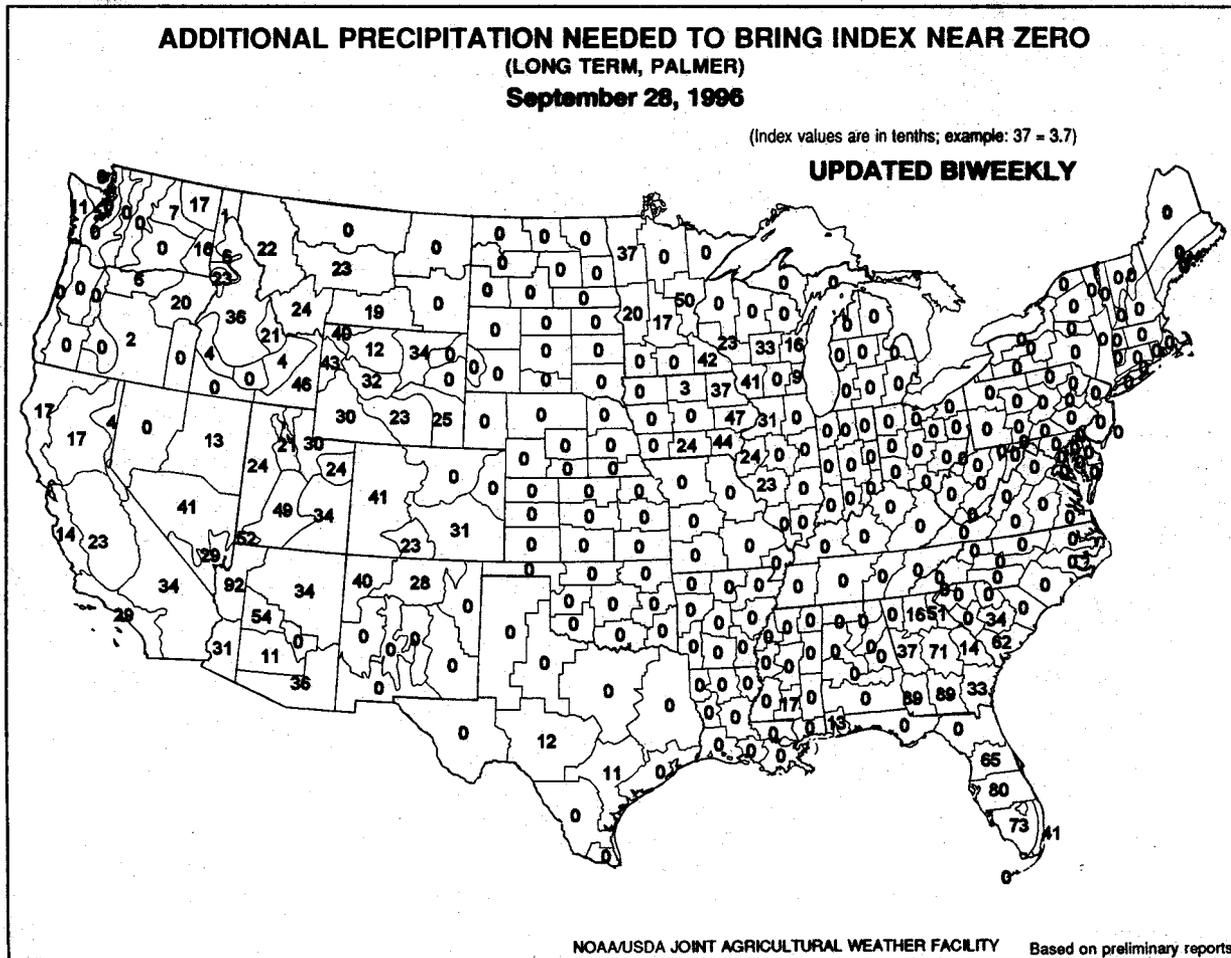
Early in the week, cool air swept into the Northwest. On Monday, daily-record lows were set at a half-dozen locations, including Pocatello, ID (24°F), Pendleton, OR (33°F), and Olympia, WA (34°F). Meanwhile in the East, a cold front swept offshore on Sunday, followed by a fast-moving cold front at midweek. On September 22-23, 24-hour rainfall reached 1.13 inches in Albany, NY and 1.39 inches in Hartford, CT. Farther west, thunderstorms developed over Iowa, expanding southward into Texas and eastward into the Northeast by Tuesday. On September 23, a daily-record total fell in St. Louis, MO (1.23 inches); a day later, San Antonio, TX received a daily-record 1.78 inches.

On Wednesday, an intensifying storm over the central Plains drew sharply colder air southward. Northerly winds gusted to 45 mph in Dodge City, KS. Storm-total snowfall reached 4.7 inches in Denver, CO and 4.2 inches at both Lander, WY and Colorado Springs, CO. On Thursday, Colorado Springs' high peaked at 38°F. Daily records were broken at about a dozen stations on Friday morning, including Laramie, WY (8°F) and McCook, NE (31°F). Later in the day, Amarillo, TX logged a daily-record low of 35°F.

On Saturday morning, daily records were set in Midland, TX (37°F) and tied in Abilene (40°F). Farther north lows in Nebraska dipped to 32°F in Norfolk and 29°F in North Platte. In contrast, temperatures rebounded into the 90's in parts of the Northwest, where daily records were set in Medford, OR (94°F) and Walla Walla, WA (90°F).

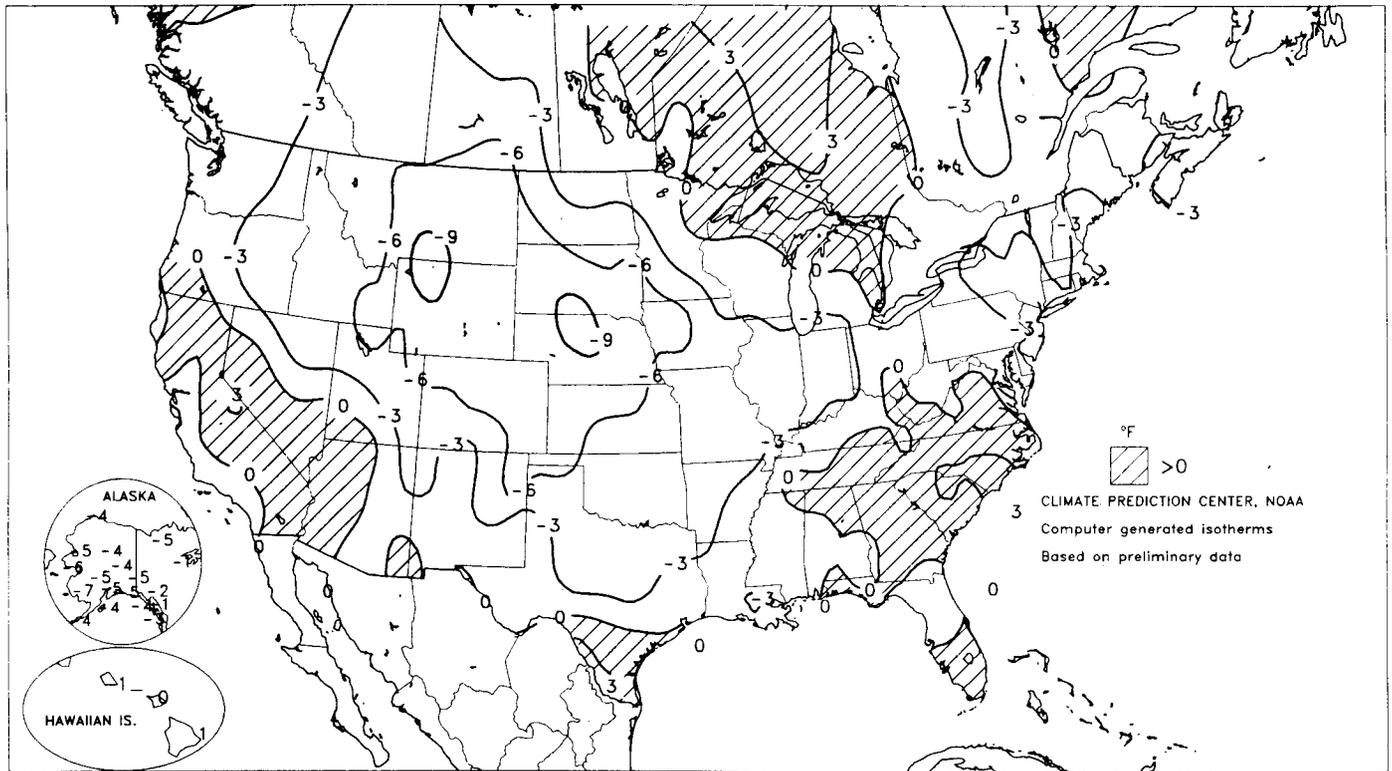
Farther east, heavy rain expanded slowly eastward from the Plains. In Missouri, Springfield's weekly rainfall of 5.83 inches was boosted by a daily-record total (3.90 inches) on Thursday. Weekly totals locally reached 9 inches in parts of eastern Oklahoma and northwestern Arkansas. In South Dakota, Aberdeen's 1.61-inch storm total boosted their monthly rainfall to a September-record 5.31 inches. Elsewhere, the storm padded all-time monthly totals in Cleveland, OH (11.05 inches) and Raleigh-Durham, NC (16.62 inches).

Very cold weather persisted in Alaska, where weekly temperatures averaged 4 to 7°F below normal. Kodiak registered daily-record lows on Monday (27°F) and Friday (30°F). In addition, very heavy precipitation lashed southeastern Alaska, where weekly totals reached 9.71 inches in Yakutat and 6.90 inches in Sitka. Generally dry weather and near-normal temperatures prevailed on the Hawaiian Islands.



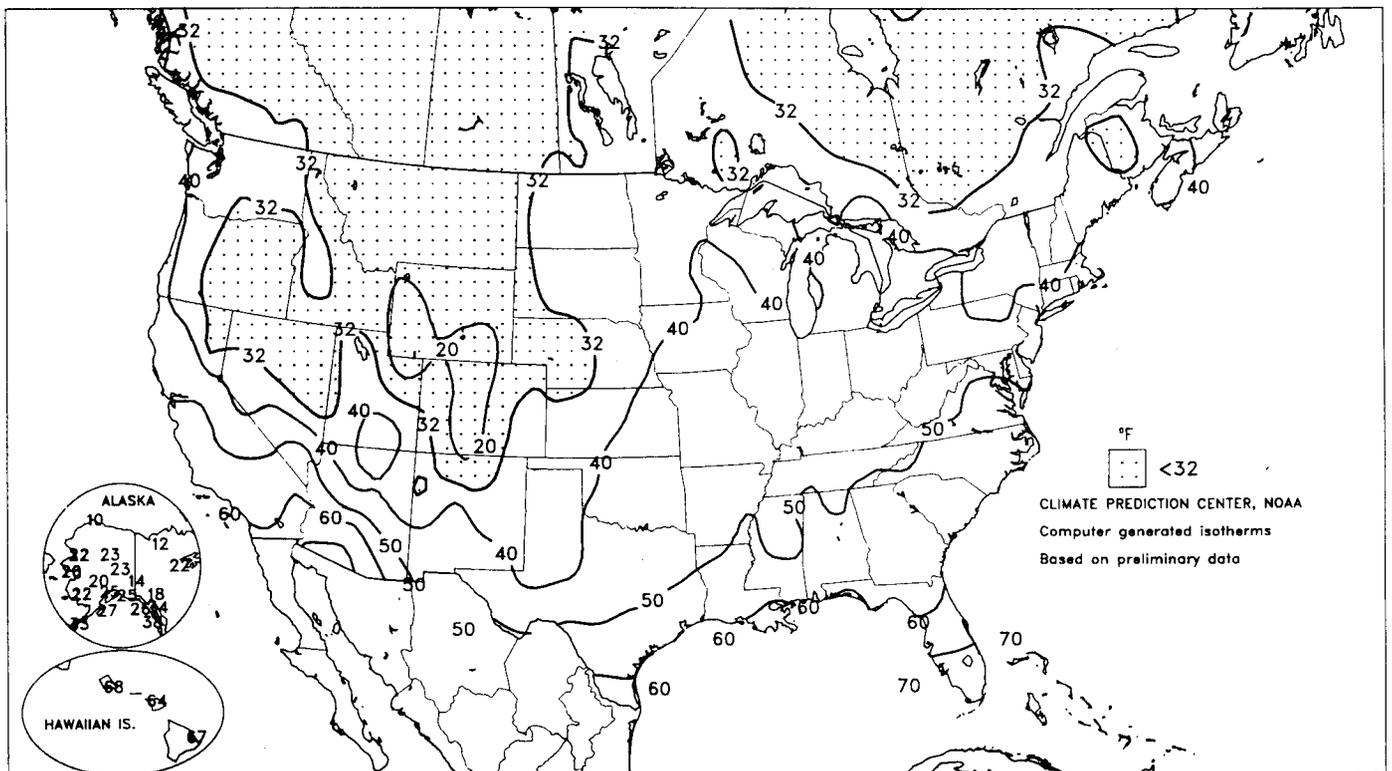
Departure of Average Temperature from Normal (°F)

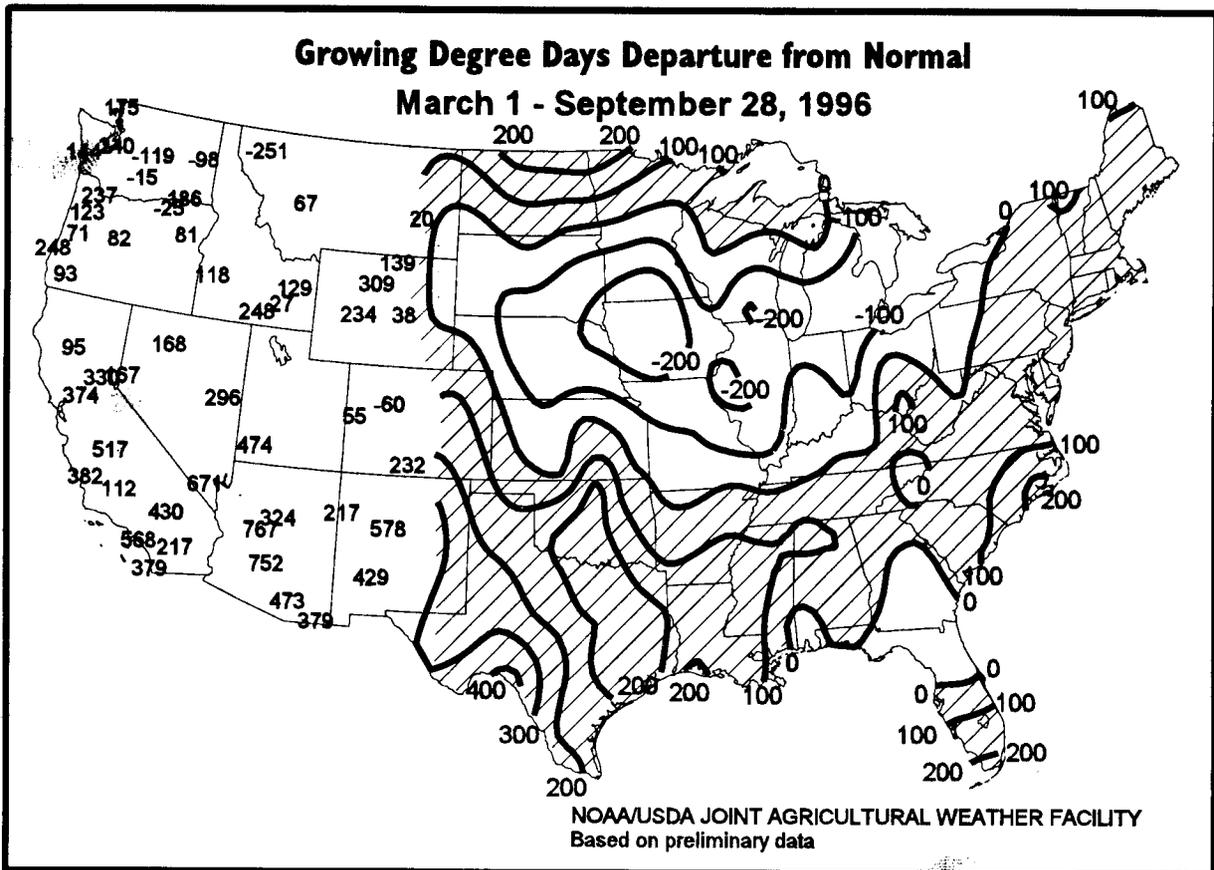
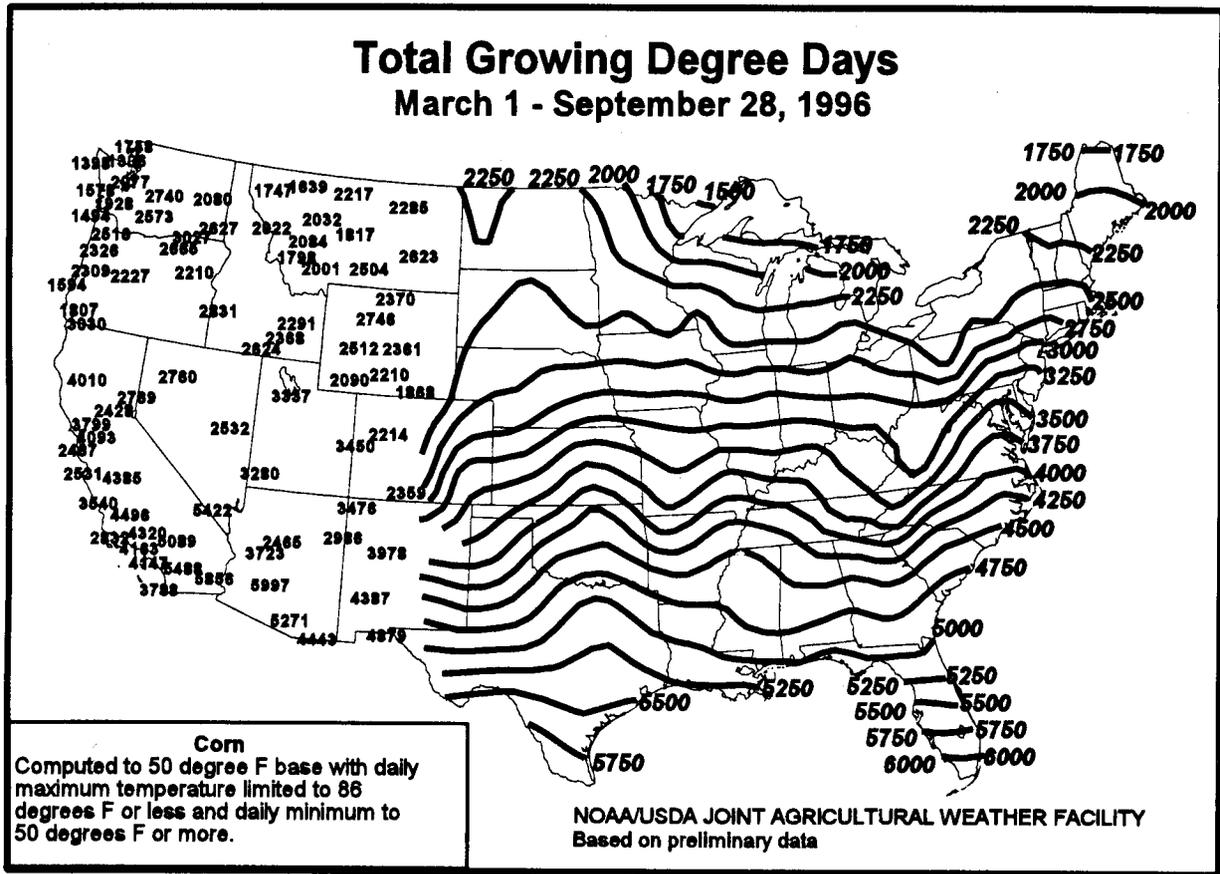
SEP 22 - 28, 1996



Extreme Minimum Temperature (°F)

SEP 22 - 28, 1996





National Weather Data for Selected Cities

Weather Data for the Week Ending September 28, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN, SINCE Sep 1	PCT. NORMAL SINCE Sep 1	TOTAL IN, SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE		92 AND BELOW	
																90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
AL BIRMINGHAM	82	59	86	50	71	0	1.84	0.97	1.62	5.83	157	51.82	123	96	49	0	0	3	1
AL MOBILE	85	63	88	56	74	-2	2.21	1.06	1.21	4.97	90	51.93	101	96	47	0	0	3	2
AL MONTGOMERY	84	60	87	56	72	0	2.34	1.56	1.18	8.56	247	55.71	129	97	48	0	0	2	2
AK ANCHORAGE	45	34	48	25	40	-5	0.56	-0.04	0.30	1.84	74	10.13	87	92	52	0	2	4	0
AK BARROW	26	18	29	10	22	-4	0.00	-0.11	0.00	0.92	167	3.27	94	92	82	0	7	0	0
AK FAIRBANKS	43	28	50	23	36	-4	0.10	-0.07	0.10	0.56	67	8.52	102	91	50	0	8	1	0
AK JUNEAU	49	42	52	34	46	-1	-	-	-	-	-	-	-	100	75	0	0	-	-
AK KODIAK	52	34	56	27	43	-4	1.45	-0.27	1.43	8.93	137	37.89	80	87	38	0	3	2	1
AK NOME	39	25	42	20	32	-6	0.03	-0.47	0.02	0.64	28	12.46	107	82	56	0	7	2	0
AZ PHOENIX	93	72	97	67	82	0	0.00	-0.19	0.00	0.53	65	3.86	68	51	21	6	0	0	0
AZ PRESCOTT	77	50	81	39	64	-	0.00	-0.35	0.00	0.96	53	6.50	43	72	32	0	0	0	0
AZ TUCSON	88	64	94	60	78	-2	1.00	0.86	0.70	3.68	236	8.55	93	72	26	3	0	2	1
AZ YUMA	97	75	99	71	86	2	0.00	-0.08	0.00	0.00	0	0.93	42	58	20	7	0	0	0
AR FORT SMITH	78	55	88	45	65	-5	4.18	3.39	2.44	8.51	216	42.15	140	99	63	0	0	6	3
AR LITTLE ROCK	-	-	-	-	-	-	2.82	1.55	-	5.52	145	35.20	99	-	-	-	-	-	-
CA BAKERSFIELD	90	60	93	57	75	1	0.00	-0.06	0.00	0.00	0	4.20	103	54	23	3	0	0	0
CA EUREKA	58	46	64	42	52	-6	0.00	-0.29	0.00	1.70	207	31.14	136	95	61	0	0	0	0
CA FRESNO	90	59	93	57	74	3	0.00	-0.08	0.00	0.00	0	8.14	113	73	22	3	0	0	0
CA LOS ANGELES	72	53	78	62	68	-1	0.00	-0.07	0.00	0.00	0	8.72	106	86	51	0	0	0	0
CA REDDING	92	58	96	50	74	3	0.00	-0.28	0.00	0.54	64	29.22	139	86	15	5	0	0	0
CA SACRAMENTO	88	53	91	52	71	1	0.00	-0.13	0.00	0.00	0	15.86	141	87	28	4	0	0	0
CA SAN DIEGO	72	66	74	64	69	-2	0.02	-0.04	0.02	0.02	9	3.98	61	84	56	0	0	1	0
CA SAN FRANCISCO	88	51	72	50	59	-4	0.00	-0.09	0.00	0.00	0	18.46	148	92	50	0	0	0	0
CO DENVER	85	38	80	25	52	-7	0.28	0.01	0.11	0.94	81	7.38	57	89	35	0	3	3	0
CO GRAND JUNCTION	72	45	83	31	59	-5	0.00	-0.26	0.00	1.54	157	7.14	95	75	23	0	1	0	0
CO PUEBLO	71	41	88	33	56	-6	0.78	0.63	0.45	1.64	195	12.24	126	89	33	0	0	3	0
CT BRIDGEPORT	86	53	74	47	60	-3	1.56	0.84	0.90	4.65	182	36.47	123	94	65	0	0	3	1
CT HARTFORD	85	47	74	39	58	-4	2.38	1.51	1.23	6.53	186	36.81	122	97	60	0	0	4	2
DC WASHINGTON	74	58	78	53	66	-1	1.37	0.64	0.68	7.83	253	37.93	130	88	61	0	0	3	2
FL PANAMA CITY	85	68	88	61	76	1	-	-	-	-	-	-	94	54	0	0	-	-	
FL DAYTONA BEACH	88	67	91	60	77	-1	0.05	-1.32	0.05	3.10	52	45.57	119	91	53	1	0	1	0
FL JACKSONVILLE	87	62	89	56	75	-3	0.00	-1.54	0.00	3.60	55	39.47	98	96	46	0	0	0	0
FL KEY WEST	88	79	90	77	84	1	0.47	-0.85	0.28	4.08	74	25.27	84	82	65	1	0	4	0
FL MIAMI	88	77	91	75	83	2	0.04	-1.65	0.04	8.80	93	44.52	98	78	55	1	0	1	0
FL ORLANDO	87	68	90	64	77	-2	0.04	-1.14	0.04	5.76	102	50.04	122	93	53	1	0	1	0
FL TALLAHASSEE	86	63	91	53	75	0	0.80	-0.47	0.60	3.83	70	39.80	74	94	44	2	0	1	1
FL TAMPA	89	70	91	66	79	0	0.91	-0.19	0.91	4.05	72	38.45	102	89	56	3	0	1	1
FL WEST PALM BEACH	88	76	90	72	82	1	0.12	-1.64	0.12	3.78	56	30.27	67	79	55	1	0	1	0
GA ATLANTA	82	63	87	55	73	3	0.80	0.03	0.67	4.29	134	36.48	93	86	51	0	0	2	1
GA AUGUSTA	87	59	89	51	73	2	0.83	0.00	0.63	2.03	72	29.72	83	98	41	0	0	1	1
GA MACON	88	60	90	54	74	2	0.75	0.17	0.73	2.08	80	27.56	78	97	41	2	0	2	1
GA SAVANNAH	87	61	89	52	74	0	0.00	-0.80	0.00	2.02	49	24.86	60	94	46	0	0	0	0
HI HILO	85	69	87	67	77	1	0.78	-1.20	0.44	6.46	81	87.13	94	91	63	0	0	4	0
HI HONOLULU	88	72	90	68	80	0	0.00	-0.27	0.00	0.78	107	12.23	95	82	52	1	0	0	0
HI KAHULUI	90	69	92	64	79	1	-	-	-	-	-	-	83	52	4	0	-	-	
HI LIHUE	-	74	-	71	-	-	-	-	-	-	-	-	86	68	-	-	-	-	
ID BOISE	69	41	82	34	55	-4	0.00	-0.19	0.00	0.46	61	8.11	96	67	20	0	0	0	0
ID LEWISTON	69	41	86	36	55	-5	0.00	-0.19	0.00	0.25	32	11.70	127	75	27	0	0	0	0
ID POCATELLO	65	32	78	24	48	-7	0.00	-0.21	0.00	1.28	159	8.80	99	81	21	0	4	0	0
IL CHICAGO	67	48	73	41	58	-3	2.01	1.22	1.95	2.74	77	26.19	94	95	57	0	0	3	1
IL MOLINE	68	48	75	44	58	-3	0.48	-0.40	0.34	1.10	29	23.11	74	96	52	0	0	3	0
IL PEORIA	67	49	78	45	58	-4	1.19	0.32	1.14	1.38	38	23.19	82	95	47	0	0	3	1
IL QUINCY	67	49	78	43	58	-5	-	-	-	-	-	-	93	45	0	0	-	-	
IL ROCKFORD	66	47	73	42	58	-3	1.41	0.59	1.28	1.71	48	36.30	127	97	51	0	0	3	1
IL SPRINGFIELD	70	48	82	41	69	-5	0.98	0.22	0.81	1.14	37	25.50	93	97	48	0	0	4	1
IN EVANSVILLE	74	51	80	46	63	-4	2.20	1.48	1.38	8.39	287	47.68	137	98	58	0	0	3	2
IN FORT WAYNE	69	47	73	39	58	-4	1.90	1.32	1.50	3.90	157	35.31	133	97	56	0	0	4	1
IN INDIANAPOLIS	71	51	78	45	61	-2	2.78	2.13	2.44	7.58	282	42.35	138	96	54	0	0	3	1
IN SOUTH BEND	65	48	69	42	57	-4	1.10	0.29	0.73	2.78	82	34.39	117	98	56	0	0	3	1
IA DES MOINES	63	48	72	44	58	-4	2.77	1.93	1.27	4.07	115	28.53	102	93	56	0	0	4	3
IA SIOUX CITY	63	42	72	36	53	-7	0.75	0.13	0.39	2.85	98	28.95	132	94	52	0	0	4	0
IA WATERLOO	65	48	74	43	58	-2	1.84	1.08	0.78	3.85	117	22.53	81	93	58	0	0	3	2
KS CONCORDIA	68	45	83	37	57	-7	1.01	0.38	0.84	5.99	213	22.58	91	92	51	0	0	3	1
KS DODGE CITY	72	47	84	40	60	-5	0.24	-0.15	0.24	5.08	291	28.00	150	87	47	0	0	1	0
KS GOODLAND	69	39	87	32	54	-6	0.18	-0.17	0.18	0.87	48	18.49	115	90	41	0	1	1	0
KS TOPEKA	71	48	85	38	60	-4	1.35	0.50	0.94	3.44	97	30.98	108	85	52	0	0	3	1
KS WICHITA	72	52	83	41	62	-5	0.52	-0.35	0.28	3.85	107	20.63	73	92	54	0	0	3	0
KY BOWLING GREEN	78	54	82	48	65	-1	2.85	2.01	2.54	7.03	203	44.32	118	98	58	0			

Weather Data for the Week Ending September 28, 1996

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL IN. SINCE SEP 1	PCT. NORMAL SINCE SEP 1	TOTAL IN. SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	
																		90 AND ABOVE	92 AND BELOW
ME CARIBOU	58	36	66	31	47	-3	0.08	-0.87	0.04	2.55	79	30.44	114	84	55	0	1	3	0
MD PORTLAND	60	44	64	37	52	-3	0.22	-0.84	0.07	3.21	111	32.29	106	83	60	0	0	4	0
MD BALTIMORE	72	53	78	46	63	-2	1.59	0.84	0.93	5.59	175	40.46	131	95	63	0	0	2	2
MA SALISBURY	75	53	80	46	64	-1	0.47	-0.30	0.28	1.94	57	39.99	114	99	59	0	0	2	0
MA BOSTON	64	51	74	47	56	-4	0.83	0.11	0.40	5.42	189	32.91	110	89	59	0	0	4	0
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MI ALPENA	62	45	70	37	54	0	1.96	1.31	0.54	6.01	207	21.36	96	96	66	0	0	6	2
MI DETROIT	67	51	70	45	59	0	1.36	0.76	0.56	3.56	132	18.71	75	93	55	0	0	5	1
MI FLINT	66	50	71	41	58	0	1.28	0.53	0.55	2.75	83	18.74	81	97	60	0	0	5	1
MI GRAND RAPIDS	66	47	69	40	56	-1	1.33	0.40	0.79	2.99	68	20.99	77	95	55	0	0	5	1
MI HOUGHTON LAKE	62	46	67	39	54	0	1.02	0.30	0.67	4.37	137	27.79	128	97	64	0	0	5	1
MI LANSING	66	47	69	44	56	-1	0.55	-0.30	0.21	1.99	55	21.24	89	97	57	0	0	5	0
MI MARQUETTE	60	46	63	35	52	2	0.47	-0.49	0.26	3.51	92	32.44	124	97	55	0	0	3	0
MI MUSKEGON	64	47	67	38	56	-2	1.11	0.26	0.75	2.64	73	20.03	85	96	61	0	0	5	1
MI SAULT ST. MARIE	59	45	65	40	52	0	4.39	3.55	1.72	6.39	184	30.96	128	95	55	0	0	6	3
MN ALEXANDRIA	59	45	65	38	52	-2	-	-	-	-	-	-	-	96	61	0	0	-	-
MN DULUTH	58	45	63	40	52	1	2.94	2.12	2.29	5.14	143	27.13	111	97	63	0	0	5	1
MN INT'L FALLS	67	41	63	32	49	0	0.65	0.97	0.91	2.59	86	20.89	103	96	71	0	1	7	2
MN MINNEAPOLIS	64	46	71	44	56	-1	1.86	0.01	0.24	1.28	51	16.19	69	95	49	0	0	5	0
MN ROCHESTER	61	45	67	41	53	-3	0.86	0.11	0.62	2.01	82	21.86	88	95	57	0	0	4	1
MS GREENWOOD	66	58	90	50	72	0	-	-	-	-	-	-	-	98	41	1	0	-	-
MS JACKSON	64	57	89	50	70	-1	1.15	0.46	0.81	1.45	62	45.17	111	98	45	0	0	2	1
MS MERIDIAN	63	57	88	49	70	-2	0.87	0.08	0.49	3.99	121	46.43	108	98	49	0	0	3	0
MO CAPE GIRARDEAU	75	54	86	46	64	-2	1.88	0.89	0.82	5.06	161	30.37	97	98	54	0	0	3	2
MO COLUMBIA	69	50	83	44	59	-4	3.82	2.89	2.25	6.19	189	31.02	105	94	60	0	0	3	2
MO KANSAS CITY	70	49	82	40	60	-4	1.95	0.83	1.04	2.22	49	29.99	98	98	52	0	0	3	2
MO SAINT LOUIS	71	53	84	45	62	-5	2.29	1.57	1.23	2.86	98	32.54	114	92	57	0	0	3	2
MO SPRINGFIELD	71	51	84	40	61	-4	5.89	4.78	3.91	7.44	187	29.28	95	98	58	0	0	4	2
MT BILLINGS	57	37	79	32	47	-8	0.23	-0.10	0.19	1.89	126	10.39	84	76	34	0	1	3	0
MT GLASGOW	58	36	60	30	46	-7	0.35	0.15	0.33	2.90	310	6.27	86	95	44	0	1	2	0
MT GREAT FALLS	60	32	77	24	46	-7	0.08	-0.19	0.08	1.46	128	8.11	83	89	29	0	4	1	0
MT HAVRE	59	34	71	28	47	-6	0.35	0.11	0.21	1.59	143	9.78	101	94	39	0	4	2	0
MT HELENA	61	33	80	24	47	-4	0.10	-0.13	0.04	0.50	47	8.48	86	85	28	0	2	3	0
MT KALIBPELL	58	29	73	25	43	-8	0.03	-0.23	0.03	1.84	139	17.70	141	95	43	0	6	1	0
MT MILES CITY	61	36	77	28	48	-7	0.00	-0.29	0.00	0.91	78	11.05	92	90	33	0	2	0	0
MT MISSOULA	61	31	79	24	46	-5	0.01	-0.22	0.01	0.86	83	12.34	115	90	33	0	4	1	0
NE GRAND ISLAND	66	40	74	35	53	-7	0.23	-0.36	0.22	2.94	110	26.86	123	90	47	0	0	2	0
NE LINCOLN	66	44	75	37	55	-7	0.29	-0.45	0.29	1.97	81	30.53	128	92	51	0	0	1	0
NE NORFOLK	63	41	71	32	52	-7	1.08	0.50	0.74	3.11	135	21.26	96	93	48	0	1	3	1
NE NORTH PLATTE	65	37	74	29	51	-7	0.21	-0.14	0.17	5.52	370	24.00	140	91	48	0	2	2	0
NE OMAHA	65	46	74	42	58	-5	2.75	1.94	1.82	4.87	139	27.09	108	90	53	0	0	5	2
NE SCOTT'S BLUFF	64	37	78	29	50	-7	0.14	-0.11	0.14	2.37	239	14.94	113	92	41	0	2	1	0
NE VALENTINE	62	34	77	31	48	-11	1.00	0.52	0.73	4.41	200	15.12	77	96	43	0	2	2	1
NV ELY	72	32	77	24	52	-1	0.00	-0.25	0.00	0.40	41	5.30	67	78	16	0	3	0	0
NV LAS VEGAS	91	66	95	57	79	2	0.00	-0.08	0.00	0.00	0	0.91	30	29	14	4	0	0	0
NV RENO	77	39	82	36	58	1	0.00	-0.08	0.00	0.43	130	7.87	150	82	19	0	0	0	0
NH WINNEMUCCA	74	35	83	28	54	-1	0.00	-0.11	0.00	0.48	137	6.61	114	79	17	0	3	0	0
NH CONCORD	63	41	72	34	52	-3	1.24	0.58	0.54	2.77	106	30.10	115	98	42	0	0	5	1
NJ ATLANTIC CITY	71	52	75	45	61	-1	1.08	0.48	0.58	5.12	188	37.48	123	94	82	0	0	3	1
NM ALBUQUERQUE	74	52	81	42	63	-2	0.12	-0.07	0.08	1.46	155	7.29	104	83	23	0	0	2	0
NM CLOVIS	79	53	90	39	66	1	-	-	-	-	-	-	-	84	33	1	0	-	-
NM ROSWELL	82	53	94	41	68	-2	-	-	-	-	-	-	-	86	27	3	0	-	-
NY ALBANY	62	45	71	38	54	-4	1.91	1.25	1.10	4.97	180	34.48	127	98	71	0	0	5	1
NY BINGHAMTON	59	44	67	34	52	-4	1.64	0.89	0.71	4.89	157	34.03	123	96	71	0	0	6	2
NY BUFFALO	64	49	72	44	57	-2	2.51	1.78	1.32	7.42	228	36.83	132	94	62	0	0	6	2
NY NEW YORK	68	58	75	54	63	-2	1.67	0.92	1.00	4.17	132	32.80	103	87	64	0	0	3	1
NY ROCHESTER	63	47	71	41	55	-3	1.32	0.66	0.83	4.78	172	32.35	136	98	65	0	0	4	1
NY SYRACUSE	64	46	72	39	55	-3	2.12	1.25	1.13	4.36	123	27.93	97	95	63	0	0	5	2
NC ASHEVILLE	74	54	79	48	64	1	1.94	0.98	1.62	4.74	118	37.60	88	96	61	0	0	4	1
NC CHARLOTTE	83	61	84	55	72	3	0.18	-0.62	0.12	3.21	98	31.43	96	91	44	0	0	2	0
NC GREENSBORO	77	58	80	51	68	1	0.17	-0.66	0.09	10.76	325	40.20	123	93	49	0	0	3	0
NC HATTERAS	78	66	82	57	72	1	1.05	-0.13	0.59	3.16	65	-	-	87	54	0	0	2	1
NC NEW BERN	83	63	86	57	73	2	0.88	-0.14	0.88	4.33	91	40.78	92	92	45	0	0	1	1
NC RALEIGH	80	58	85	51	69	1	2.96	2.29	1.82	16.52	558	46.81	145	93	46	0	0	3	2
NC WILMINGTON	84	65	86	58	74	4	0.04	-1.34	0.04	13.11	205	54.00	117	90	49	0	0	1	0
ND BISMARCK	59	38	65	32	49	-4	0.24	-0.07	0.15	2.75	198	16.50	122	92	42	0	1	3	0
ND FARGO	60	41	67	35	50	-3	1.89	1.24	0.78	3.07	185	12.88	78	95	60	0	0	5	2
ND GRAND FORKS	59	40	67	32	49	-3	1.18	0.71	0.78	1.85	7								

Weather Data for the Week Ending September 28, 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	06 INCH OR MORE	01 INCH OR MORE	06 INCH OR MORE
OK TOLEDO	88	50	72	42	68	0	1.27	0.87	1.18	2.72	102	22.81	91	97	58	0	0	3	1		
OK YOUNGSTOWN	85	49	69	41	67	-1	2.08	1.30	1.49	6.32	186	32.20	113	97	66	0	0	5	1		
OK OKLAHOMA CITY	74	56	86	41	66	-6	2.30	1.37	1.31	6.88	164	32.00	121	95	64	0	0	4	2		
OR TULSA	75	56	87	43	66	-6	2.86	1.75	2.36	4.99	113	18.21	58	90	58	0	0	4	1		
OR ASTORIA	68	44	74	39	58	-1	0.08	-0.81	0.08	3.28	120	48.70	124	92	48	0	0	1	0		
OR BURNS	70	26	86	21	48	-4	0.00	-0.14	0.00	0.72	138	8.92	131	81	20	0	7	0	0		
OR MEDFORD	86	41	94	38	63	1	0.00	-0.23	0.00	0.49	61	15.18	141	88	19	2	0	0	0		
OR PENDLETON	72	42	86	33	57	-3	0.00	-0.14	0.00	0.58	104	9.43	118	70	20	0	0	0	0		
OR PORTLAND	74	48	80	44	61	0	0.02	-0.44	0.02	3.03	186	36.11	159	87	29	0	0	1	0		
OR SALEM	75	43	82	39	59	0	0.00	-0.44	0.00	1.90	131	37.18	161	93	33	0	0	0	0		
PA ALLENTOWN	67	48	75	39	58	-3	2.44	1.81	1.66	5.28	143	37.72	114	90	58	0	0	4	2		
PA ERIE	66	53	71	49	60	-1	2.40	1.40	1.34	9.40	229	38.99	130	96	70	0	0	3	2		
PA HARRISBURG	70	55	73	48	62	0	0.63	-0.16	-	3.35	102	38.31	125	96	61	0	0	-	-		
PA PHILADELPHIA	71	54	79	49	62	0	1.50	0.57	0.80	4.82	127	37.70	108	91	58	0	0	3	2		
PA PITTSBURGH	68	51	70	46	60	-1	1.68	1.01	0.88	5.59	201	36.83	129	94	64	0	0	5	1		
PA SCRANTON	64	47	72	37	55	-4	0.79	0.06	0.47	3.20	103	33.86	122	95	66	0	0	3	0		
RI PROVIDENCE	66	49	73	42	58	-3	0.93	0.13	0.43	5.48	170	33.47	102	93	59	0	0	5	0		
SC CHARLESTON	85	64	87	58	75	1	0.00	-0.90	0.00	8.07	183	36.06	82	93	53	0	0	0	0		
SC COLUMBIA	87	61	89	54	74	3	0.27	-0.45	0.24	2.03	60	26.63	66	94	36	0	0	2	0		
SC FLORENCE	86	62	88	55	73	2	0.00	-0.68	0.00	0.00	0	23.75	67	99	47	0	0	0	0		
SC GREENVILLE	80	59	83	54	70	2	0.54	-0.40	0.54	4.15	112	41.72	108	98	57	0	0	1	1		
SD ABERDEEN	80	38	67	32	49	-8	1.81	1.21	0.90	5.30	290	19.29	105	98	54	0	1	5	1		
SD HURON	82	40	70	36	51	-5	1.11	0.72	0.70	3.67	228	16.66	96	98	53	0	0	3	1		
SD RAPID CITY	81	38	77	31	49	-7	0.38	0.10	0.38	1.20	104	18.34	113	83	38	0	2	1	0		
SD SIOUX FALLS	80	41	68	34	51	-6	0.94	0.29	0.89	3.11	110	15.14	75	98	57	0	0	3	1		
TN CHATTANOOGA	80	58	83	51	69	0	1.84	0.90	1.01	7.14	184	44.47	110	95	46	0	0	3	2		
TN KNOXVILLE	79	59	85	50	69	3	1.28	0.58	1.18	3.41	120	37.07	103	91	45	0	0	2	1		
TN MEMPHIS	80	60	86	50	70	-1	3.02	2.24	1.71	8.24	189	51.43	135	92	53	0	0	2	2		
TN NASHVILLE	78	58	83	50	68	0	1.13	0.38	0.87	4.80	148	36.37	99	94	52	0	0	2	1		
TX ABILENE	77	57	90	40	67	-6	1.18	0.43	1.13	6.02	200	22.81	118	94	56	1	0	4	1		
TX AMARILLO	74	48	89	36	61	-5	0.38	-0.02	0.24	1.81	98	18.34	108	93	43	0	0	3	0		
TX AUSTIN	82	65	89	51	74	-4	0.69	-0.15	0.57	2.93	95	21.27	88	92	58	0	0	3	1		
TX BEAUMONT	84	68	90	59	78	0	8.01	4.81	5.41	9.99	189	36.00	84	96	61	1	0	3	1		
TX BROWNSVILLE	89	74	92	61	81	1	2.74	1.37	-	8.57	151	15.79	78	98	57	6	0	-	-		
TX CORPUS CHRISTI	90	71	96	68	81	2	0.75	-0.49	0.45	2.18	42	15.08	62	98	67	6	0	3	0		
TX DEL RIO	88	69	93	63	78	2	0.12	-0.56	0.08	3.95	151	11.03	57	87	43	4	0	2	0		
TX EL PASO	86	57	93	49	72	0	0.01	-0.34	0.01	1.23	77	8.94	126	57	21	2	0	1	0		
TX FORT WORTH	80	60	90	44	70	-2	0.12	-1.07	0.11	1.50	34	20.54	72	89	60	1	0	2	0		
TX GALVESTON	84	73	88	62	78	1	1.15	-0.11	0.89	2.95	53	15.39	48	88	65	0	0	2	1		
TX HOUSTON	86	64	90	55	75	-1	3.10	1.77	1.13	8.90	130	28.65	73	97	59	1	0	4	3		
TX LUBBOCK	79	54	82	37	67	-1	0.07	-0.50	0.07	0.80	25	12.87	84	90	36	2	0	1	0		
TX MIDLAND	81	58	95	37	70	-2	0.00	-0.72	0.00	0.96	31	7.44	59	89	43	2	0	0	0		
TX SAN ANGELO	80	59	89	40	69	-3	0.14	-0.67	0.14	1.91	60	18.82	103	90	56	0	0	1	0		
TX SAN ANTONIO	86	67	92	52	77	0	1.78	0.95	1.78	3.67	115	12.46	53	92	54	3	0	1	1		
TX VICTORIA	87	69	92	56	78	1	0.98	-0.53	0.62	5.20	87	22.11	65	98	56	2	0	3	1		
TX WACO	81	61	89	44	71	-4	0.27	-0.64	0.26	1.78	53	18.86	77	94	57	0	0	2	0		
TX WICHITA FALLS	78	58	90	46	68	-4	1.27	0.29	0.68	5.04	132	17.97	77	92	56	1	0	3	1		
UT CEDAR CITY	78	44	81	32	60	1	0.00	-0.19	0.00	0.84	92	9.24	106	54	18	0	1	0	0		
UT SALT LAKE CITY	69	45	78	38	57	-4	0.00	-0.33	0.00	1.03	86	12.43	103	80	27	0	0	0	0		
VT BURLINGTON	82	44	72	34	53	-2	1.77	1.08	1.19	2.88	86	31.48	121	94	67	0	0	5	1		
VA NORFOLK	77	61	81	55	69	0	0.03	-0.81	0.03	1.59	44	39.88	113	86	48	0	0	1	0		
VA RICHMOND	78	57	83	52	67	1	0.43	-0.31	0.33	6.88	221	38.54	117	88	31	0	0	2	0		
VA ROANOKE	72	55	78	52	63	-1	0.72	-0.09	0.68	6.82	204	42.89	138	88	67	0	0	3	1		
WA QUILLAYUTE	64	41	70	35	53	-2	0.00	-1.51	0.00	3.14	99	54.94	89	94	53	0	0	0	0		
WA SEATTLE-TACOMA	68	47	75	44	58	0	0.00	-0.52	0.00	1.74	99	29.58	133	92	44	0	0	0	0		
WA SPOKANE	65	37	80	30	51	-4	0.01	-0.18	0.01	0.79	120	13.71	128	82	33	0	1	1	0		
WV YAKIMA	73	34	87	30	54	-3	0.00	-0.08	0.00	0.31	82	5.84	116	91	26	0	3	0	0		
WV BECKLEY	68	52	74	46	60	1	1.44	0.88	1.30	6.63	212	46.06	145	90	83	0	0	3	1		
WV CHARLESTON	73	54	80	48	64	-1	2.52	1.82	2.16	7.31	242	48.93	144	98	58	0	0	4	1		
WV HUNTINGTON	74	53	80	46	64	1	1.21	0.51	0.79	3.95	131	41.13	124	94	55	0	0	3	1		
WV PARKERSBURG	70	51	73	44	61	-3	1.78	1.15	1.28	5.70	208	40.51	126	97	60	0	0	5	1		
WI GREEN BAY	64	45	68	35	55	-1	0.74	0.00	0.65	1.37	42	19.79	87	98	59	0	0	4	1		
WI LACROSSE	65	49	72	45	57	-1	1.35	0.58	-	1.84	46	21.09	84	95	51	0	0	-	-		

National Agricultural Summary

September 23 - 29, 1996

HIGHLIGHTS

Row crop harvest activity and small grain seeding was slowed by wet weather over most of the eastern half of the Nation. Cold autumn weather followed the rainy weather into the central Great Plains, bringing below-freezing temperatures. Corn and soybean producers in the Midwest commented that warm, sunny weather was needed to reduce grain moisture levels in row crops. Midwestern corn remaining in the field had higher moisture levels than this time last year, forcing some producers to harvest corn at higher-

than-normal moisture levels. In the mid-Atlantic, fields along Hurricane Fran's destructive path were still drying. Fran's high winds left some corn blown over and the wet conditions caused it to sprout. Wet fields delayed harvesting in the Southeast, but should benefit peanuts by leaving soils ready for digging. Thunderstorms in the Dakotas forced fieldwork to a standstill. In the southern Great Plains, rains restored soil moisture for small grain planting and revived pastures, but created problems for cotton fields with open bolls.

One-third of the **winter wheat** crop in the 19 major producing States was planted, up 8 percentage points from the previous week but 13 points behind the 5-year average. Wet weather delayed winter wheat seeding in the central Great Plains, but provided pre-planting moisture. Winter wheat planting in Kansas at 20 percent (%) complete was up 6 points from last week but 26 points behind the average. Winter wheat emerged at 18% complete was 3 points behind the average. Wheat producers in the Dakotas, who were waiting for rain to increase soil moisture before planting, were prevented from planting by wet fields. Wet field conditions also slowed planting progress in Oklahoma, where 25% of the wheat acreage was seeded, 25 points behind the average. Wheat producers in Texas delayed planting due to armyworm infestations.

Corn continued in mostly good to fair condition, with denting 94% complete for the 17 major producing States, up 7 points from the previous week, but 1 point behind the average. Corn mature at 56% complete was up 19 points from the previous week but 16 points behind the average. Rain in the Midwest improved corn condition slightly, but delayed harvest activity. Corn harvested at 9% complete was up 2 points from last week but 8 points behind normal. Corn harvested in Iowa last week had an average grain moisture of 32 percent, compared with last year's range from 20 to 30 percent.

Cotton bolls opening was 77% complete, up 7 points from last week and 5 points ahead of the average. Cotton harvested at 18% complete was up 6 points from last week and 1 point ahead of the average. Cotton condition declined from the previous week for the 14 major producing States but remained mostly good to fair. Cotton condition dropped in the Southern States, where fields with open bolls were harmed by the recent rains. Defoliation was active across the Southwest, where

whitefly pressure was increasing. In the Delta, cotton defoliation was increasing, but some producers reported problems with regrowth and bollrot. The cotton harvest in Louisiana came to a standstill due to the heavy rains that threatened yield and lowered quality. In Texas, unseasonably cool, wet weather slowed cotton maturity in the High Plains, where some early bales were harvested.

Rice harvested for the five major producing States was 74% complete, up 11 points from the previous week and 9 points ahead of normal. Rice harvested in Mississippi at 78% complete was up 1 point from last week and 15 points ahead of the average. In the Delta, heavy rains caused lodging and delayed harvest activity. Some rice producers in California were waiting for lower grain moisture levels before harvesting. Second crop rice was heading in Texas, where the first rice harvest was completed.

Sorghum condition for the 12 major producing States declined from last week and was mostly good to fair. Sorghum mature at 62% complete was up 16 points from the previous week, and 3 points ahead of the average. Sorghum acreage in Nebraska mature at 48% complete was up 35 points from last week, but 10 points behind the average. Sorghum harvested at 26% complete was up 1 point from last week, but 7 points behind the average.

Soybeans condition remained in mostly good to fair condition with soybeans dropping leaves 56% complete, up 23 points from last week but 15 points below the average. In Illinois, soybeans dropping leaves at 45% complete was up 21 points from the previous week, but 37 points behind the average. Rain over the Midwest provided moisture for late-planted soybeans. Soybeans harvested at 4% complete was up 2 points from last week, but 11 points behind the average.

Crop Progress and Condition

Week Ending September 29, 1996

Soybeans Percent Dropping Leaves

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AL	38	29	54	36
AR	34	22	25	22
GA	47	32	39	48
IL	45	24	75	82
IN	57	30	94	90
IA	66	34	82	79
KS	71	53	57	74
KY	35	25	48	44
LA	64	58	62	51
MI	53	20	94	75
MN	83	49	95	79
MS	68	56	71	51
MO	38	24	40	56
NE	64	25	69	80
NC	21	15	25	25
OH	40	20	99	95
SC	9	5	6	9
SD	88	75	81	79
TN	44	30	52	39
ALL	56	33	72	71

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

Soybeans Percent Harvested

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AL	4	1	3	3
AR	10	7	4	5
GA	1	0	1	2
IL	4	1	18	25
IN	3	1	26	20
IA	1	0	10	15
KS	5	2	2	14
KY	2	0	4	4
LA	31	23	28	17
MI	2	1	15	8
MN	3	1	10	12
MS	29	26	40	17
MO	3	0	1	7
NE	2	0	5	24
NC	1	0	1	0
OH	2	0	19	17
SC	0	0	0	0
SD	4	2	6	17
TN	2	0	2	2
ALL	4	2	12	15

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

Winter Wheat Percent Planted

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AR	5	2	3	5
CA	0	0	0	0
CO	60	56	66	80
GA	1	1	3	3
ID	47	24	48	40
IL	2	0	4	6
IN	8	4	11	11
KS	20	14	28	46
MI	14	9	24	30
MO	6	4	9	9
MT	32	12	55	49
NE	56	44	76	83
NC	11	5	8	12
OH	4	1	16	11
OK	25	17	24	50
OR	19	8	30	30
SD	64	53	85	86
TX	65	51	41	45
WA	72	65	67	65
ALL	33	25	36	46

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

Winter Wheat Percent Emerged

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AR	0	NA	0	1
CA	0	NA	0	0
CO	37	NA	34	41
GA	0	NA	1	1
ID	13	NA	12	14
IL	0	NA	3	1
IN	0	NA	1	1
KS	10	NA	7	20
MI	0	NA	2	9
MO	0	NA	0	1
MT	6	NA	9	13
NE	36	NA	38	47
NC	0	NA	0	0
OH	1	NA	1	1
OK	8	NA	4	17
OR	6	NA	9	9
SD	39	NA	48	56
TX	40	NA	19	23
WA	58	NA	47	46
ALL	18	NA	14	21

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

Cotton Percent Bolls Opening

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AL	81	68	83	72
AZ	100	100	100	98
AR	92	83	92	78
CA	100	100	84	94
GA	80	74	86	76
LA	99	96	96	94
MS	96	95	98	93
MO	87	80	78	75
NM	86	83	73	72
NC	89	80	92	87
OK	31	28	12	45
SC	88	71	73	81
TN	97	93	96	90
TX	57	47	55	52
ALL	77	70	75	72

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

Cotton Percent Harvested

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AL	16	8	24	13
AZ	17	8	11	17
AR	18	9	11	12
CA	10	2	2	3
GA	16	12	23	11
LA	28	13	39	26
MS	29	14	41	20
MO	21	10	11	13
NM	1	0	0	0
NC	8	3	7	8
OK	1	0	0	3
SC	16	11	9	9
TN	25	11	11	13
TX	18	17	25	25
ALL	18	12	21	17

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

Rice Percent Harvested

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AR	75	59	63	63
CA	25	10	8	22
LA	95	90	96	91
MS	78	77	91	63
TX	100	98	95	94
ALL	74	63	69	65

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

Crop Progress and Condition

Week Ending September 29, 1996

Sorghum Percent Mature

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AR	98	92	96	93
CO	24	17	22	33
IL	47	30	32	61
KS	51	35	27	44
LA	100	100	99	97
MS	100	100	99	96
MO	64	48	53	67
NE	48	13	47	58
NM	35	4	4	17
OK	42	32	16	26
SD	76	42	59	56
TX	84	77	88	83
ALL	62	46	51	59

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

Sorghum Percent Harvested

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AR	76	61	61	74
CO	1	0	0	3
IL	1	1	1	12
KS	9	8	2	12
LA	97	90	89	87
MS	88	85	91	79
MO	15	10	30	29
NE	0	0	2	12
NM	0	0	0	3
OK	13	10	5	9
SD	7	2	1	7
TX	62	61	75	73
ALL	26	25	28	33

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

Peanuts Percent Harvested

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
AL	38	27	52	49
FL	51	39	NA	NA
GA	41	17	59	48
NC	9	2	12	8
OK	8	2	5	8
SC	23	19	32	30
TX	5	2	11	14
VA	20	10	46	27
ALL	28	14	39	33

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

Corn Percent Dented

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
CO	99	97	86	88
GA	100	100	100	100
IL	94	92	96	97
IN	93	83	100	100
IA	96	88	99	95
KS	100	98	98	98
KY	99	98	100	100
MI	82	59	100	91
MN	99	96	99	92
MO	100	100	94	98
NE	99	92	100	99
NC	100	100	100	100
OH	79	65	100	99
PA	82	73	92	83
SD	95	83	98	90
TX	100	100	98	99
WI	82	62	100	86
ALL	94	87	96	95

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

Corn Percent Mature

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
CO	59	32	30	48
GA	100	100	100	100
IL	59	46	86	80
IN	53	38	92	79
IA	63	40	90	78
KS	84	65	65	85
KY	85	72	88	86
MI	25	16	94	51
MN	43	25	93	61
MO	88	76	63	82
NE	67	21	64	72
NC	100	100	100	99
OH	15	7	71	61
PA	38	25	71	37
SD	52	26	72	64
TX	96	93	94	92
WI	26	18	89	56
ALL	56	37	82	72

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

Corn Percent Harvested

	Sep 29 1996	Prev Week	Prev Year	5-Yr Avg
CO	7	0	0	4
GA	87	80	96	91
IL	6	4	16	21
IN	5	3	20	17
IA	3	2	8	9
KS	20	13	11	32
KY	36	26	51	38
MI	2	1	15	9
MN	3	1	10	5
MO	31	23	24	31
NE	3	1	2	12
NC	66	50	79	65
OH	4	2	9	10
PA	9	6	18	7
SD	3	2	2	9
TX	74	69	80	78
WI	2	1	11	6
ALL	9	7	15	17

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

Soybeans Crop Condition by Percent

	VP	P	F	G	EX
AL	1	2	17	66	14
AR	3	12	28	39	18
GA	2	8	29	52	9
IL	5	13	40	36	6
IN	5	13	42	37	3
IA	1	5	27	52	15
KS	0	1	16	58	25
KY	0	3	19	54	24
LA	0	3	27	61	9
MI	8	18	41	28	5
MN	3	10	37	45	5
MS	1	4	23	66	6
MO	2	8	33	46	11
NE	1	1	11	57	30
NC	1	11	23	58	7
OH	4	15	41	35	5
SC	0	5	21	62	12
SD	0	3	20	60	17
TN	0	3	16	64	17
ALL	3	9	31	46	11
Prev Wk	3	10	32	45	10
Prev Yr	4	15	37	37	7

Crop Progress and Condition

Week Ending September 29, 1996

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	1	2	7	66	24
GA	1	15	40	39	5
IL	4	11	31	41	13
IN	3	12	41	39	5
IA	1	3	20	56	20
KS	1	1	12	59	27
KY	1	4	20	50	25
MI	11	17	38	28	6
MN	2	6	42	42	8
MO	1	6	24	47	22
NE	1	2	9	57	31
NC	10	40	25	21	4
OH	4	14	42	35	5
PA	2	5	12	56	25
SD	0	3	20	53	24
TX	0	0	11	27	62
WI	2	14	31	45	8
ALL	2	7	26	47	18
Prev Wk	3	8	27	47	15
Prev Yr	2	10	36	44	8

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	11	36	43	10
CO	0	1	8	70	21
IL	7	8	28	49	8
KS	0	2	12	60	26
LA	0	0	29	68	3
MS	0	11	25	62	2
MO	1	5	31	49	14
NE	1	1	14	57	27
NM	1	8	37	51	3
OK	1	2	8	71	18
SD	0	1	22	64	13
TX	0	9	36	38	17
ALL	0	4	22	53	21
Prev Wk	0	4	18	56	22
Prev Yr	4	19	39	35	3

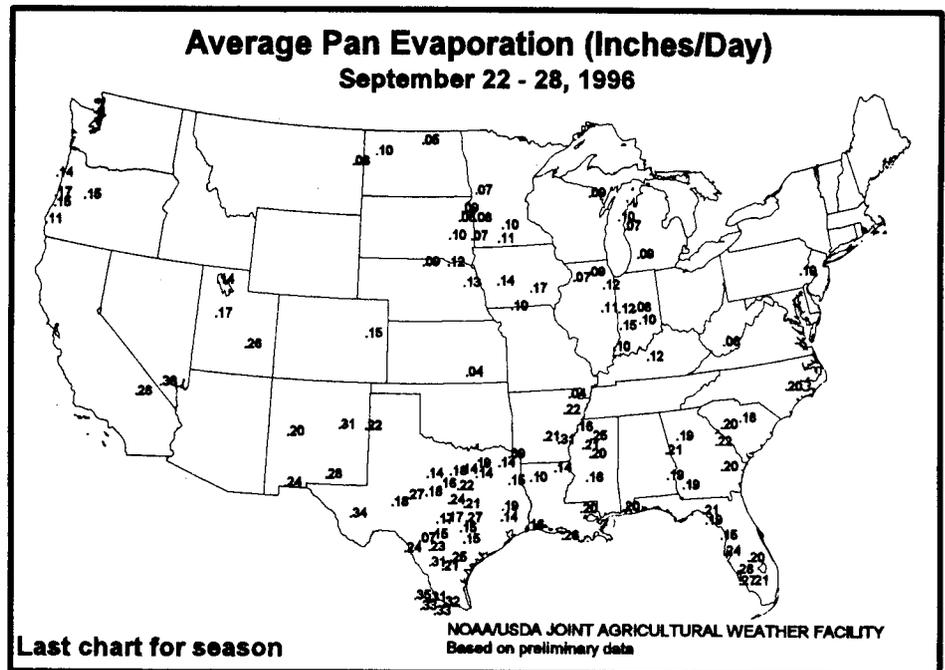
Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	9	50	35	6
FL	0	33	12	22	33
GA	2	8	35	47	8
NC	0	5	22	65	8
OK	0	4	29	53	14
SC	2	7	33	56	2
TX	1	4	16	64	15
VA	0	0	28	61	11
ALL	1	8	30	50	11
Prev Wk	1	7	31	48	13
Prev Yr	NA	NA	NA	NA	NA

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

* Revised

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	2	3	23	57	15
AZ	2	13	36	33	16
AR	0	6	33	45	16
CA	0	0	0	50	50
GA	0	8	31	46	15
LA	0	11	37	41	11
MS	0	3	31	57	9
MO	1	9	25	60	5
NM	0	1	15	67	17
NC	0	5	27	55	13
OK	2	19	47	30	2
SC	0	5	20	61	14
TN	0	2	16	66	16
TX	9	17	23	35	16
ALL	4	10	25	44	17
Prev Wk	3	8	26	47	16
Prev Yr	5	18	42	32	3

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



Last chart for season

State Agricultural Summaries

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

ALABAMA: Days suitable for fieldwork 5.4. Topsoil 13% short, 75% adequate, 12% surplus. Corn harvested 74%, 88% 1995, 78% avg. Livestock 1% poor, 25% fair, 48% good, 26% excellent. Wet conditions hampered row crop harvest activities in most areas.

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

ARIZONA: Whitefly pressure increasing in cotton; defoliation active. Alfalfa harvest 50% moderate, 42% active, 8% not being harvested at this time. Condition 6% poor, 47% fair, 31% good, 16% excellent. Central vegetable growers were busy harvesting cantaloupe, honeydew, watermelons, green onions. Eastern growers harvested chili peppers, apples. Lemons were harvested by central, western citrus growers.

ARKANSAS: Days suitable for fieldwork 5. Soil moisture 10% short, 59% adequate, 31% surplus. Main farming activities: Defoliating cotton, seeding cool season forage, preparing for and planting wheat, winter annuals, harvesting cotton, rice, corn, sorghum, soybeans, hay. Heavy rains delayed fieldwork across State. Soybean harvest continued in many counties. Cotton defoliation continued in numerous counties. Cotton harvest, ginning were reported by several counties. Producers in Lee county continued to experience regrowth in cotton after defoliation. Bollrot was a serious problem in Lafayette county, was increasing in Pulaski county in many cotton fields. Heavy rains caused lodging in rice fields in Monroe, Pulaski counties. Ashley county reported rice harvest nearing completion. Sodium chlorate was applied to rice fields in Craighead county. Wheat planting was reported by several counties. Rice, corn, sorghum harvests continued in several counties. Corn harvest was winding down in many counties. Several counties continued to plant small grains, cool season pastures. Pink-eyed purple hull peas were harvested in Yell county. Livestock continued to be in good condition across State. Weaning, vaccinating, selling, deworming cattle were reported by numerous counties. Hay harvest is winding down.

CALIFORNIA: Field activities progressed rapidly under favorable weather in most areas. Small grain fields were prepared for planting. Wheat, oat planting continued, few earlier seeded fields emerged. Rice harvest gained momentum, although some growers waited for lower grain moisture content before harvesting. Cotton defoliation was in full swing in the southern San Joaquin Valley. Harvest was active in Kern County, had reached the halfway point in the desert counties. Alfalfa, sugar beets were sprayed for armyworms. Safflower, seed alfalfa harvests were virtually complete. New crop sugar beets were planted in the Imperial, San Joaquin valleys. Dry beans, corn for grain, silage were harvested. Alfalfa, sudan grass were cut for hay or green chopped. Raisin grape harvest was almost over. Approximately 7% of the raisin crop was on open trays; 19% rolled; 74% has been picked up. Grape

picking for fresh market, wine use continued. Granny Smith apple harvest gathered speed. Almond, fig, pistachio, walnut harvests continued. Valencia orange picking was active. New crop navel orange picking was expected to start soon. Lettuce was harvested in the coastal valleys. Broccoli, cauliflower were harvested in Monterey, San Luis Obispo counties. Asparagus, carrots were harvested in Kern County. Artichokes were growing well. Garlic harvest was winding down. Processing, fresh market tomatoes were harvested, some fields were sprayed for worms. Harvest of Antelope Valley onions continued. Sweet corn was harvested in the Sacramento, San Joaquin valleys. Green beans were harvested in Tulare County. Sweetpotato harvest continued in Merced County. Cantaloupe, honeydew melon harvesting was winding down. Bell, chili pepper harvesting neared completion in the San Joaquin Valley. Pumpkin harvest began in Fresno County. Broccoli, cauliflower, lettuce, cabbage were treated for worms, irrigated in the San Joaquin Valley. Rangeland conditions were seasonally normal. Supplemental feeding at lower elevations was increasing. Cooler, more normal temperatures helped stabilize milk, egg production. Fall calving was ongoing.

COLORADO: Days suitable for fieldwork 3.9. Topsoil 3% very short, 9% short, 61% adequate, 27% surplus. Subsoil 11% very short, 13% short, 55% adequate, 21% surplus. Oats 100% harvested, 78% 1995, 88% avg. Dry onions 96% harvested, 82% 1995, 78% avg. Spring wheat 97% harvested, 84% 1995, 82% avg. Sorghum 93% turning color, 85% 1995, 79% avg. Corn silage 76% harvested, 51% 1995, 66% avg. Sugar beets 8% harvested, 0% 1995, 0% avg.; 1% very poor, 2% poor, 24% fair, 51% good, 22% excellent. Summer potatoes 85% harvested, 86% 1995, 85% avg. Fall potatoes 55% harvested, 36% 1995, 36% avg. Dry beans 95% cut, 70% 1995, 77% avg.; 80% harvested, 44% 1995, 60% avg. Alfalfa hay 77% 3rd cutting, 73% 1995, 69% avg.; 10% 4th cutting, 13% 1995, 16% avg.; 4% very poor, 6% poor, 23% fair, 54% good, 13% excellent. Significant moisture was again received last week, especially in the northern mountains, along the front range. Moisture received the last few weeks has slowed down most harvest operations.

DELAWARE: Days suitable for fieldwork 5.5. Topsoil 4% short, 92% adequate, 4% surplus. Subsoil 3% short, 97% adequate. Corn 2% poor, 7% fair, 84% good, 7% excellent; 66% mature, 98% 1995, 85% avg.; 26% harvested for grain, 65% 1995, 41% avg.; 79% harvested for silage, 98% 1995, 94% avg. Soybeans 3% poor, 32% fair, 62% good, 3% excellent; 29% turned, 73% 1995, 53% avg.; 18% shedding leaves, 54% 1995, 29% avg. Sorghum 2% poor, 32% fair, 64% good, 2% excellent; 60% turning color, 92% 1995, 71% avg.; 48% mature, 75% 1995, 41% avg. Lima beans 85% harvested, 87% 1995, 79% avg. Apples 76% harvested, 74% 1995, 61% avg. Alfalfa hay 69% 4th cutting, 67% 1995, 72% avg. Other hay 91% 3rd cutting, 97% 1995, 89% avg.; 57% 4th cutting, 14% 1995, 25% avg. Barley 5% planted, 5% 1995, 12% avg. Hay supplies 2% very short, 29% short, 68% adequate, 1% surplus. Activities: Harvesting field crops and hay, planting small grain crops.

FLORIDA: Topsoil moisture is mostly short to adequate throughout State. Peanut harvest 51%. Tobacco marketing active.

Corn for grain harvest winding down. Haying active. Growers starting to pick cotton. Soybean growers making preparations to start harvest. Peanuts poor 33%, fair 12%, good 22%, excellent 33%. Nearly ideal weather allowed planting, picking to proceed at normal pace. Tomato harvesting began around Quincy. Other vegetables available: Squash, cantaloupes, pickles, sweet corn, watermelons. Picking active in northern areas, beginning for a few crops in west central, east coast regions. Snap bean picking getting underway in north. Dade County growers continuing to harvest limited volume of okra. Citrus groves, trees, new crop fruit very good to excellent. Very little rain. Irrigation in use most areas. Packing houses testing, running early Navels, Ambersweet oranges, Fallglo tangerines, Satsumas, colored and white grapefruit. Four processing plants are open for packing house eliminations. Pasture feed poor 5%, fair 20%, good 75%. Condition of cattle herds fair 10%, good 85%, excellent 5%.

GEORGIA: Days suitable for fieldwork 6.0. Soil moisture 9% very short, 30% short, 59% adequate, 2% surplus. Hay 7% poor, 29% fair, 61% good, 3% excellent. Rye 9% planted, 19% 1995, 14% avg. Sorghum 3% very poor, 6% poor, 33% fair, 55% good, 3% excellent; 40% harvested for grain, 49% 1995, 55% avg. Other small grains 5% planted, 8% 1995, 7% avg. Apples 2% poor, 4% fair, 94% good; 75% harvested, 71% 1995, 69% avg. Pecans 8% poor, 41% fair, 43% good, 8% excellent; 0% harvested, 1% 1995, 1% avg. Good week for harvest until stopped by weekend rains. Corn, hay harvests active north, cotton, peanuts south. Rains will help late peanuts, soften soils for easier digging. Cotton needing dry weather. Pecan harvest underway. Activities: Baling hay, harvesting corn, peanuts, cotton, defoliating cotton, preparing land and planting small grains, overseeding and fertilizing pastures, preparing pecan orchards for harvest, harvesting fall vegetables.

HAWAII: Gentle autumn weather favorable for crops. Papayas, bananas, sugarcane benefited from partly cloudy skies, scattered showers. Waimea, major vegetable region, remained dry on water conservation advisory. Vegetables benefited from cooler temperatures. Papaya harvesting active. Banana production heavy. Head cabbage supplies moderate to heavy, quality varies. Cucumber harvesting expected to increase. Sugar operations to cease on Oahu this 27th. Commercial sugarcane only on Maui, Kauai.

IDAHO: Days suitable for fieldwork 6.5. Topsoil 1% very short, 39% short, 59% adequate, 1% surplus. Potato vines dead/killed 96%, 97% 1995, 98% avg.; harvested 26%, 20% 1995, 34% avg.; 10% fair, 74% good, 16% excellent. Alfalfa hay harvested (3rd cutting) 78%, 79% 1995, 75% avg. Oats harvested for grain 91%, 88% 1995, 93% avg. Corn harvested for silage 56%, 50% 1995, 55% avg. Corn harvested for grain 3%, 0% 1995, 4% avg. Dry beans harvested 86%, 59% 1995, 71% avg. Lentils harvested 97%, 76% 1995, 90% avg. Hops harvested 97%, 96% 1995, 97% avg. Onions harvested 82%, 49% 1995, 70% avg. Apples harvested 29%, 27% 1995, 36% avg. Peaches harvested 96%, 94% 1995, 98% avg. Prunes, plums harvested 86%, 93% 1995, 98% avg. Pasture feed, range 24% poor, 41% fair, 32% good, 3% excellent. Irrigation water supply 3% poor, 9% fair, 50% good, 38% excellent. Activities: Seeding winter wheat, fall barley, moving livestock down from the summer ranges, harvesting potatoes, sugar beets, corn for silage, corn for grain.

ILLINOIS: Days suitable for fieldwork 4.5. Topsoil 5% very short, 25% short, 63% adequate, 7% surplus. Corn, soybean harvest continued last week in the central districts, was just starting in the

northern, southern districts. Rain throughout the State provided needed moisture for late planted soybeans. Soybeans 77% turning yellow, 91% 1995, 95% avg. Alfalfa 95% 3rd cutting, 97% 1995, 94% avg.

INDIANA: Days suitable for fieldwork 3.8. Topsoil 2% very short, 7% short, 72% adequate, 19% surplus. Subsoil 4% very short, 24% short, 66% adequate, 6% surplus. Scattered showers limited fieldwork, most areas. Harvest of corn, soybean fields advancing slowly. Corn in dent stage or beyond by region: 92% north, 92% central, 95% south. Soybeans 20% mature, 74% 1995, 70% avg. Tobacco harvest 87% complete, 91% 1995, 90% avg. Harvest of apples continues. Activities: Fall tillage, seeding winter wheat, cutting silage, equipment maintenance, seeding alfalfa, cleaning grain bins, cutting hay, care of livestock.

IOWA: Days suitable for fieldwork 3.8. Topsoil very short 1%, short 7%, adequate 77%, surplus 15%. Subsoil very short 2%, short 21%, adequate 71%, surplus 6%. As harvest slowly progresses across the State, several reporters commented that what is needed now is warm, dry, sunny conditions to help bring the remainder of the corn, soybean crops to maturity, aid in drying crops down. Producers planning on harvesting a higher moisture corn crop this year due to the cooler weather conditions this past summer. As of 27th, the percent moisture of corn in the field averaged 38% while the percent moisture of harvested corn averaged 32%. Last year, on a comparable date, corn was being harvested at moisture levels in the 20s, low 30s, during 1994's record year moisture levels of harvested corn ranged from the high teens to the low 30s. Soybeans leaves turning color 93%, 95% 1995, 94% avg. Alfalfa hay 3rd crop harvested 95%, 93% 1995, 92% avg. Except for a few reports of flu, pneumonia in hogs, most of States livestock in good condition.

KANSAS: Days suitable for fieldwork 1.9. Topsoil 55% adequate, 45% surplus. Subsoil 1% very short, 4% short, 75% adequate, 20% surplus. Rains across much of the State the past week slowed wheat seeding, fall harvest. With dry weather, wheat seeding, fall harvest will pick up speed. Fall crops remain mostly in good to excellent condition. Alfalfa cut the fourth time 68% complete, 62% 1995, 63% avg. Activities: seeding wheat, fall harvest.

KENTUCKY: Days suitable for fieldwork 4.3. Topsoil 8% short, 77% adequate, 15% surplus. Subsoil 1% very short, 16% short, 74% adequate, 9% surplus. Rains late in week improved soybean yield prospects, pastures, hay crops. Burley tobacco cut 87%, 94% 1995, 91% avg. Dark tobacco 90% cut. Corn for grain yields generally good. Chopping silage also major activity soybean harvest just beginning. Pasture feed 3% very poor, 11% poor, 33% fair, 44% good, 9% excellent. Hay supplies short in a few areas.

LOUISIANA: Days suitable for fieldwork 5.0 Soil moisture 13% short, 65% adequate, 22% surplus. Cotton harvest came to a halt late in the week because of rain. Yield, quality decreases became more serious from repeated heavy rains. Hay 98% 2nd cutting, 82% 1995, 86% avg. Hay harvest made some progress but was halted by rain. Soybeans 88% turning color, 84% 1995, 74% avg. Soybean harvest continued, rain stopped operations at weeks end. Sugarcane 1% very poor, 7% poor, 21% fair, 51% good, 20% excellent; 68% planted, 96% 1995, 80% avg. Planting progress was good until rains halted operations. Sweetpotatoes 3% poor, 23% fair, 65% good, 9% excellent; 46% harvested, 54% 1995, 54% avg. Harvest was very limited from rains. Wheat 0% planted, 2%

1995, 2% avg. Livestock 4% poor, 25% fair, 66% good, 5% excellent. Vegetables 9% poor, 42% fair, 47% good, 2% excellent. Pasture feed 4% poor, 26% fair, 62% good, 8% excellent.

MARYLAND: Days suitable for fieldwork 4.9. Topsoil 2% short, 81% adequate, 17% surplus. Subsoil 1% short, 87% adequate, 12% surplus. Corn 2% poor, 14% fair, 55% good, 29% excellent; 96% dent, 100% 1995, 97% avg.; 71% mature, 94% 1995, 82% avg.; 26% harvested for grain, 56% 1995, 33% avg.; 72% harvested for silage, 87% 1995, 73% avg. Soybeans 4% poor, 21% fair, 59% good, 16% excellent; 50% turning, 84% 1995, 68% avg.; 26% shedding leaves, 61% 1995, 41% avg. Sorghum 11% poor, 17% fair, 64% good, 8% excellent; 77% turning color, 84% 1995, 87% avg.; 51% mature, 65% 1995, 59% avg. Apples 37% harvested, 49% 1995, 53% avg. Alfalfa hay 65% 4th cutting, 84% 1995, 73% avg. Other hay 77% 3rd cutting, 88% 1995, 72% avg.; 43% 4th cutting, 49% 1995, 33% avg. Hay supplies 2% very short, 11% short, 85% adequate, 2% surplus. Barley 8% planted, 27% 1995, 18% avg. Rye 8% planted, 18% 1995, 17% avg. Wheat 4% planted, 2% 1995, 3% avg. Activities: Harvesting field crops, hay, planting small grains.

MICHIGAN: Rain slowed harvest progress, other fieldwork. Some farmers commented on standing water in fields not permitting them to enter their fields. Topsoil 3% very short, 14% short, 57% adequate, 26% surplus. Subsoil 11% very short, 30% short, 44% adequate, 15% surplus. Dry beans, leaves shedding 92%, 100% 1995, 96% avg.; 7% very poor, 15% poor, 43% fair, 28% good, 7% excellent. All hay 3rd cutting 82%, 94% 1995, 78% avg.; 4th cutting 22%, 30% 1995, 26% avg.; 5% very poor, 20% poor, 34% fair, 33% good, 8% excellent. Potatoes harvested 67%, 87% 1995, 71% avg. Pasture for feed 7% very poor, 23% poor, 36% fair, 30% good, 4% excellent.

MINNESOTA: Days suitable for fieldwork 4.0. Topsoil 9% very short, 23% short, 62% adequate, 6% surplus. Corn 99% denting, 99% 1995, 92% avg.; 43% mature, 93% 1995, 61% avg.; 3% harvested, 10% 1995, 5% avg.; 62% silage cut, 75% 1995, 50% avg. Soybeans 99% turning yellow, 98% 1995, 92% avg.; 83% shedding leaves, 95% 1995, 79% avg.; 37% mature, 63% 1995, 49% avg.; 3% harvested, 10% 1995, 12% avg. Rye 87% seeded, 88% 1995, 84% avg. Winter wheat 99% seeded, 89% 1995, 86% avg. Dry beans 69% harvested, 56% 1995, 65% avg. Potatoes 50% harvested, 48% 1995, 53% avg. Stubble plowed 67%, 66% 1995, 63% avg. Flax 56% harvested, 78% 1995, 62% avg. Sugar beets 11% harvested, 10% 1995, 13% avg. Pasture feed 10% very poor, 26% poor, 39% fair, 24% good, 1% excellent. Corn 2% very poor, 6% poor, 42% fair, 42% good, 8% excellent. Soybeans 3% very poor, 10% poor, 37% fair, 45% good, 5% excellent.

MISSISSIPPI: Days suitable for fieldwork 4.9. Soil moisture 1% very short, 17% short, 55% adequate, 27% surplus. Corn 88% harvested, 95% 1995, 75% avg. Soybeans 89% turning color, 89% 1995, 77% avg.; 68% shedding leaves, 71% 1995, 51% avg.; 29% harvested, 40% 1995, 17% avg.; 1% very poor, 4% poor, 23% fair, 66% good, 6% excellent. Wheat 4% planted, 4% 1995, 8% avg.; hay (warm season) 99% harvested, 100% 1995, NA avg.; peanuts 51% harvested, NA 1995, NA avg.; 2% fair, 92% good, 6% excellent. Sweetpotatoes 45% harvested, 58% 1995, 55% avg.; 2% fair, 97% good, 1% excellent. Cattle 1% very poor, 6% poor, 33% fair, 54% good, 6% excellent. Pasture feed 2% very poor, 10% poor, 31% fair, 50% good, 7% excellent. Main farming activities: Harvesting row crops, hay. Rain in the latter part of the week

delayed harvesting, planting of winter-grazing. Cooler temperatures should reduce insect pressure in winter crops.

MISSOURI: Days suitable for fieldwork 2.7. Topsoil 1% very short, 5% short, 62% adequate, 32% surplus. Strong thunderstorms moved through the state last week, slowing row-crop harvesting, winter wheat seeding progress. Generally speaking, the most favorable row-crop conditions are found across the northwestern, north-central, west-central areas of the State. Over 90% of the corn crop has been harvested across the southern portions of the State, while no more than about 30% has been harvested elsewhere. Corn crop is least advanced northeast, with only 60% mature, 9% harvested. Soybean percent turning color, at 68% is about 3 days behind norm. Ninety-five percent of the sorghum crop is coloring statewide, while the Bootheel leads the State with 28% of the sorghum crop harvested. Pasture feed, range 6% very poor, 19% poor, 29% fair, 38% good, 8% excellent, improved in recent weeks due largely to needed rainfall.

MONTANA: Days suitable for fieldwork 3.9. Topsoil 8% very short, 30% short, 61% adequate, 1% surplus. Subsoil 22% very short, 46% short, 32% adequate. Farmers working at harvesting remaining small grains. Winter wheat planting is progressing well but still behind average. Spring wheat 99% harvested, 92% 1995, 85% avg. Barley 97% harvested, 89% 1995, 87% avg. Oats 96% harvested, 92% 1995, 88% avg. Corn for silage 78% harvested, 74% 1995, 72% avg. Sugar beets 8% harvested, 10% 1995, 9% avg. Dry beans 88% harvested, 89% 1995, 82% avg. Potatoes 25% harvested, 18% 1995, 25% avg. Second cutting alfalfa hay 97% complete, 95% 1995, 95% avg. Cattle, calves moved from summer ranges 32%. Sheep, lambs moved from summer ranges 36%.

NEBRASKA: Days suitable for fieldwork 3.3. Topsoil 1% short, 85% adequate, 14% surplus. Subsoil 4% short, 91% adequate, 5% surplus. Harvest of fall crops progressed at a slow pace last week due to widespread moisture, temperatures well below normal. Sunshine, warmer weather conditions are needed to reduce grain moisture level. Corn 67% mature, 64% 1995, 72% avg.; 3% harvested, 2 1995, 12% avg. Soybeans 95% turning color, 92% 1995, 96% avg.; 64% dropping leaves, 69% 1995, 80% avg.; 2% harvested, 5% 1995, 24% avg. Sorghum 48% mature, 47% 1995, 58% avg.; grain harvest started last week on a limited scale. Dry beans 74% harvested, 62% 1995. Alfalfa 1% very poor, 7% poor, 32% fair, 47% good, 13% excellent; 37% 4th cutting, 51% 1995. Wheat 56% sown, 76% 1995, 83% avg.; wet conditions continued to delay seeding of the 1997 crop in south western, south central counties; adequate moisture supplies should help germination once the crop is planted. Pasture feed, range 1% very poor, 2% poor, 16% fair, 64% good, 17% excellent. Activities: Preparing equipment for harvest, silage cutting, seed corn harvest, wheat seeding.

NEVADA: Winter wheat, barley seeding underway. Silage corn harvest continues in full swing. Alfalfa 3rd cutting nearly complete north, fourth cutting continues central, 5th cutting nearly complete extreme south. Seeding of new alfalfa stands with oats for cover continues. Alfalfa seed harvest complete. Sudan harvest continues extreme south. Potato harvest in full swing Humboldt County, gaining momentum Lyon County. Potato crop condition reported to be good. Onion harvest continues in full swing with crop condition good to excellent. Field preparation for garlic planting continues. Livestock movement from mountain ranges to fall pastures underway. Drought persisted south, southeast. Main

farm, ranch activities: Haying, potato digging, onion harvest, fall planting, moving livestock.

NEW ENGLAND: Days suitable for fieldwork 5.4. Topsoil 6% very short, 14% short, 66% adequate, 14% surplus. Subsoil 7% very short, 13% short, 67% adequate, 13% surplus. Pasture feed 11% very poor, 9% poor, 33% fair, 44% good, 3% excellent. Maine potatoes 55% harvested, 50% 1995, 55% avg.; condition good. Massachusetts potatoes 75% harvested, 75% 1995, 75% avg.; condition good. Rhode Island potatoes 65% harvested, 95% 1995, 75% avg.; condition excellent. Maine oats 85%, 99% harvested 1995, 90% avg.; condition good/excellent. Maine barley 90%, 99% harvested 1995, condition good/excellent. Silage corn 30% harvested, 60% harvested 1995, 45% avg.; condition good/fair. Sweet corn 95% harvested, 99% 1995, 99% avg.; condition good. First hay 100% harvested, 100% 1995, 100% avg.; condition good/fair. Second hay 85% harvested, 99% 1995, 95% avg.; condition good/excellent. Third cut hay 65% harvested, 80% 1995, 70% avg.; condition good/excellent. Apples 50% harvested, 65% 1995, 55% avg.; size average, condition good. Peaches 99% harvested, 99% 1995, size average, condition good. Pears 65% harvested, 90% harvested 1995, size average, condition good. Cranberries 20% harvested, 25% 1995, size average/above average, condition good/excellent. Highbush blueberries 99% harvested, 100% 1995, size average, condition good/excellent. Major farm activities: Harvesting corn silage, potatoes, apples. Wet, dry harvesting of cranberries. Wet conditions hampering harvest of many crops.

NEW JERSEY: Days suitable for fieldwork 5. Topsoil mostly adequate. Moderate, decreasing supply of beans, peppers, eggplant, cucumbers, sweet corn, tomatoes, squash are available. Moderate, increasing supply of endive, escarole, lettuce, parsley, turnips, cabbage available. Light supply of okra, spinach, Indian corn, gourds available. Limited supply of pumpkins also available. Apples are midway through harvest. Light harvest of cranberries in parts of central areas. Planting of fall cover crops reported. Early planted soybeans continue to drop their leaves, harvest has not begun. Pastures look good.

NEW MEXICO: Days suitable for fieldwork 6.3. Soil moisture 2% very short, 26% short, 67% adequate, and 5% surplus. Winter wheat planting was 90% complete, condition reported as 4% fair, 82% good, 14% excellent. Corn 3% fair, 55% good, 42% excellent; with 96% mature. Harvest completion for grain is 23%, silage is 88%. Cotton 15% fair, 67% good, 17% excellent; cotton bolls opening 86%, 73% 1995, 72% avg. Sorghum 1% very poor, 8% poor, 37% fair, 51% good, 3% excellent; coloring 72%, 69% 1995, 80% avg.; mature 35%. Alfalfa 1% very poor, 13% poor, 17% fair, 65% good, 4% excellent; 4th cutting 94%, 5th cutting 86% complete. Chile 1% poor, 11% fair, 65% good, 23% excellent; green chile harvest 82% complete, red is 17% complete. Lettuce 10% fair, 75% good, 15% excellent. Pecan 1% very poor, 9% fair, 77% good, 13% excellent. Cattle 1% very poor, 5% poor, 16% fair, 63% good, 15% excellent; sheep 7% very poor, 12% poor, 22% fair, 56% good, 3% excellent. Range, pasture feed 3% very poor, 9% poor, 28% fair, 48% good, 12% excellent.

NEW YORK: Days suitable for fieldwork 4.1. Soil moisture 25% adequate, 75% surplus. Pasture feed 100% good, hay good condition, corn fair to good. Corn silage 26% harvested, 64% 1995, 36% avg. Grain corn harvest just beginning. Oat harvest finished. Potato, dry bean harvest gained momentum. Drier weather needed. Wetness slowed vegetable harvests. Cabbage

in good condition with large, solid heads. Onion digging continued. Pumpkin harvest picked up momentum. Grape harvest in full swing in Finger Lakes region. Concord harvest in Lake Erie region delayed until October. Apple harvest continued.

NORTH CAROLINA: Cooler drier weather across the State allowed recovery from hurricane Fran to continue at a good pace. Fields along Fran's path continue to dry out, allowing farmers to do more fieldwork and storm evaluation. Soil moisture 1% short, 75% adequate, 24% surplus. Days suitable for fieldwork 5.7. Hay 3rd cutting 61%, 54% 1995, 59% avg.; corn silage harvested 86%, 79% 1995, 93% avg.; flue-cured tobacco harvested 95%, 98% 1995, 92% avg.; burley tobacco harvested 86%, 89% 1995, 84% avg.; apples harvested 62%, 57% 1995, 61% avg.; sorghum harvested 37%, 28% 1995, 36% avg.; sweetpotatoes harvested 22%, 31% 1995, 27% avg. Crop condition: Tobacco 27% very poor, 21% poor, 23% fair, 26% good, 3% excellent; hay 3% poor, 30% fair, 62% good, 5% excellent. Activities included: Repairing storm damage; preparing land for small grains; defoliating cotton; harvesting, marketing flue-cured tobacco; harvesting burley tobacco; harvesting corn, sorghum, peanuts, apples, sweetpotatoes; cutting, baling hay; maintaining pastures; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 3. Harvest activity was slowed by rain, drizzle during the week which again improved soil moisture levels. Topsoil 2% very short, 15% short, 77% adequate, 6% surplus. Subsoil 8% very short, 26% short, 61% adequate, 5% surplus. Farmers were unable to complete the small grain harvest, while harvest of most late season crops was slowed to behind last year and average. Durum 83% combined, 91% 1995, 88% avg. Late season crop development: Canola 82% harvested; flaxseed 70% harvested, 68% 1995, 63% avg.; corn for grain 70% ripe and beyond, 4% harvested; 87%, 6% 1995; 56%, 10% avg.; corn for silage 62% chopped; 68% 1995; 66% avg.; dry edible beans 67% harvested; 75% 1995; 59% avg.; soybeans 25% harvested; 44% 1995; 32% avg.; sunflowers 74% bracts turned brown and beyond, 2% harvested; 88%, 7% 1995, 69%, 5% avg.; potatoes 43% dug; 67%, 1995; 71% avg.; sugar beets 10% lifted; 12% 1995; 13% avg. Condition of corn for grain, sunflower, sugar beet crops declined from a week ago while corn for silage, soybeans each improved slightly. Condition of potatoes remained the same. Crop condition: corn for grain 17% poor, 30% fair, 43% good, 10% excellent; corn for silage 2% very poor, 7% poor, 25% fair, 57% good, 9% excellent; soybeans 30% poor, 30% fair, 36% good, 4% excellent; sunflower 3% poor, 19% fair, 58% good, 20% excellent; sugar beets 5% poor, 15% fair, 73% good, 7% excellent; potatoes 1% poor, 6% fair, 68% good, 25% excellent.

OHIO: Days suitable for fieldwork 4.2. Topsoil 4% very short, 14% short, 66% adequate, 16% surplus. Alfalfa 3rd cutting 90%; 97% 1995; 97% normal. Other hay 3rd cutting 72%; 90% 1995; 83% normal. Processing tomato harvest advanced to 80%; 100% 1995, 86% normal. Apple harvest progressed to 45% complete. Potatoes dug is at 56%; 73% 1995; 71% normal. Livestock 1% very poor, 3% poor, 24% fair, 59% good, 13% excellent.

OKLAHOMA: Days suitable for fieldwork 3.1. Topsoil 1% short, 79% adequate, 20% surplus. Subsoil 3% short, 90% adequate, 7% surplus. Wheat 84% seedbed prepared, 88% 1995, 94% avg.; oats 88% seedbed prepared, 78% 1995, 87% avg.; 27% planted, 16% 1995, 23% avg.; 0% up-to-stand, 3% 1995, 8% avg.; corn 77% mature, 81% 1995, 94% avg.; 63% harvested, 53% 1995, 77% avg.; soybeans 66% mature, 36% 1995, 48% avg.; 15%

harvested, 14% 1995, 16% avg. Peanuts 49% mature, 34% 1995, 50% avg.; 3% combined, 1% 1995, NA avg.; alfalfa 2% very poor, 3% poor, 27% fair, 59% good, 9% excellent; Alfalfa 83% 4th cutting, 81% 1995, 87% avg.; 16% 5th cutting, 15% 1995, 28% avg. Livestock 1% poor, 14% fair, 75% good, 10% excellent. Feeder steers and heifers were steady to \$3/cwt lower.

OREGON: Days suitable for fieldwork 6.5. Topsoil 15% very short, 52% short, 33% adequate. Subsoil 19% very short, 52% short, 29% adequate. Barley 95% harvested, 97% 1995, 95% avg.; planted 5%, 4% 1995, 20% avg. Activities: Fall small grains field preparation, seeding continued, late hay harvest continued, statewide. Spring small grain harvest nearly completed, southeastern, Klamath Basin still harvesting spring grains. Field corn silage harvest underway, Willamette Valley. Mint harvest winding down, central sections. Fall nursery, greenhouse planting, digging, container movement, pruning activities full swing. Eastern lily bulb harvest, shipping of bulbs underway, southern coast. Eastern potato harvest full swing. Willamette valley: Sweet corn, table beets, squash, cole crops, onion, pumpkin, salad vegetable harvest continued; caneberry pruning, training continued; strawberry field preparations for new plantings underway; some late blackberry harvest winding down; fall strawberry harvest underway; hazelnuts drop continued; grape harvest preparations underway. Apple harvest continued, statewide. Pear harvest continued, Hood River, Rogue River valleys. Some cranberry irrigated for scald control, southern coast. Cattle, sheep continued good-excellent. Seasonal cattle movement continued. Cattle weaning continued. Eastern ranges dry, still some forage. Western pastures started fall regrowth, supplemental feed discontinued.

PENNSYLVANIA: Days suitable for fieldwork 4.2. Soil moisture 3% short, 70% adequate, 27% surplus. Corn silage harvest very active. Silage harvest less than one week behind five-year average. Corn grain harvest continued slowly. Many farmers expressed hope for just two more frost free weeks. Haymaking difficult. More put in haylage than normal. Ensilage corn harvest 45% complete, 76% 1995, 52% avg. Soybeans harvested 0% complete, 3% 1995, 3% avg.; 3% poor, 17% fair, 55% good, 25% excellent. Wheat planted 30% complete, 17% 1995, 36% avg. Barley planted 32% complete, 43% 1995, 49% avg. Tobacco harvest 98% complete, 100% 1995, 96% avg. Potato harvest 55% complete, 55% 1995, 65% avg. Alfalfa 3rd cutting 88% complete, 79% 1995, 84% avg. Alfalfa 4th cutting 45% complete, 32% 1995, 47% avg. Timothy clover 2nd cutting 95% complete, 92% 1995, 96% avg. Quality of hay made 9% very poor, 10% poor, 42% fair, 35% good, 4% excellent. Apple harvest 49% complete, 49% 1995, 51% avg. Peach harvest 98% complete, 99% 1995, 99% avg. Grape harvest 50% complete, 55% 1995, 56% avg. Fall plowing 46% complete, 42% 1995, 58% avg. Activities: Making hay and haylage; harvesting corn, corn silage, potatoes, fruits and vegetables; seeding barley, wheat and alfalfa; fixing fences; hauling manure; caring for livestock.

SOUTH CAROLINA: Soil moisture 2% very short, 8% short, 77% adequate, 13% surplus. Days suitable for fieldwork 6.1. Corn 87% harvested, 92% 1995, 87% avg.; 5% very poor, 23% poor, 32% fair, 34% good, 6% excellent. Sorghum 61% harvested, 47% 1995, 46% avg.; 4% poor, 38% fair, 58% good. Sweetpotatoes 24% harvested, 19% 1995, 30% avg.; 1% very poor, 10% poor, 37% fair, 52% good. Tobacco 99% harvested, 100% 1995, 98% avg.; 66% stalks destroyed, 81% 1995, 74% avg. Apples 69% harvested, 67% 1995, 72% avg.; 30% very poor, 32% poor, 22% fair, 16% good.

SOUTH DAKOTA: Days suitable for fieldwork 2.2. Topsoil 1% short, 73% adequate, 26% surplus. Subsoil 4% short, 78% adequate, 18% surplus. Wet fields from last week's storms, additional rain this week kept fieldwork at a near standstill. Limited silage cutting, winter wheat seeding was done during the week. Warm, sunny weather is needed to dry fields, lower grain moisture for fieldwork to resume. Rain was about a month too late to help much with yield potential. Corn silage harvested 59%, 53% 1995, 55% avg. Sorghum silage harvested 51%, 26% 1995, 48% avg. Soybeans 48% mature, 43% 1995, 55% avg. Sunflowers 54% mature, 52% 1995, 63% avg.; 5% poor, 29% fair, 50% good, 16% excellent. Winter rye 69% planted, 95% 1995, 87% avg.; 44% emerged, 67% 1995, 61% avg. With most leases running out in October, ranchers are moving livestock home to winter-feeding areas. Feed supplies 1% short, 86% adequate, 13% surplus. Livestock 1% poor, 9% fair, 70% good, 20% excellent. Stock water supplies 1% short, 82% adequate, 17% surplus.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 5% short, 78% adequate, 17% surplus. Subsoil 10% short, 80% adequate, 10% surplus. Corn 69% grain harvested, 83% 1995, 52% avg.; 94% silage harvested, 99% 1995, 89% avg. Tobacco 90% burley harvested, 91% 1995, 91% avg.; 5% burley stripped, 7% 1995, 3% avg.; 95% air-cured harvested, 98% 1995, 92% avg.; 89% dark fire-cured harvested, 98% 1995, 93% avg. Sorghum 88% mature, 99% 1995, 92% avg.; 38% harvested, 71% 1995, 55% avg. Wheat 11% seeded, 15% 1995, 9% avg. Pasture feed 2% poor, 24% fair, 61% good, 13% excellent.

TEXAS: Warm, fair weather reported throughout State for first part week with scattered showers by midweek. First cold front year brought unseasonably cooler temperatures across State by weeks end. Although much needed rains revived pastures with lush green growth, provided moisture for small grain planting, rains continued to cause problems for cotton harvesting. Open cotton continued to deteriorate with exposure to additional rain. Fall armyworms continued to be a major problem, pastures, small grain fields. Cooler temperatures slowed down cotton growth as well as late planted Milo Plains.

Crops: Oats being planted, beginning emerge. Seeded wheat fields making good progress, more planting expected as fall harvest comes to an end. Soil moisture good for small grain planting due to recent rains, growers holding off due to armyworm infestation. Corn harvesting continued High Plains, average to good yields reported. Grain sorghum early planted crop Plains nearing harvest, maturity slowed due to cooler temperatures. Cotton on plains where harvesting aids being applied as bolls opened. Crop maturity slowed by unseasonably cold, wet weather. First bales harvested in some Plains areas. Harvest was completed coastal bend. Cotton quality continued decline as growers could not get it out fields Central. Regrowth also a problem unharvested fields. Rice 2nd crop continued to head as harvest first cutting completed. Peanuts digging, harvesting began Plains. Blacklands wet conditions caused disease problems. Soybeans maturing normally, harvest to begin soon Plains. Some unharvested beans damaged by rain Upper Coast.

Commercial Vegetables: Rio Grande Valley planting slow. Some peppers, cabbage up. Harvest early oranges continued. San Antonio-Winter Garden, Fall vegetables looking good, some insect problems. Late tomatoes beginning to bloom. Land continued to be prepared for fall spinach, onions, cabbage. East turnips, mustard greens, radishes, spinach, and lettuce good stands, growing well. Sweetpotato harvest continued. High Plains, pepper harvest continued. Ornamental pumpkins being harvested. Trans-Pecos harvesting cantaloupes continued. Bell pepper harvest

starting. Pecan producers expecting a light pecan crop this year as early maturing varieties beginning to mature. Some shuckworm damage as well as scab damage appeared. Harvesting underway in south.

Range and Livestock: Pasture conditions continued to improve as rains provided moisture for forage growth in pastures. Some hay cut when ground dry enough. Livestock movement slow. Fall armyworms continued to be a major problem with large acreages sprayed. Rain needed in areas to fill tanks drained by drought.

UTAH: Days suitable for fieldwork 6.5. Topsoil 12% very short, 43% short, 45% adequate. Subsoil 14% very short, 47% short, 39% adequate. Winter wheat seeded 61%, 71% 1995, 72% avg.; emerged 43%, 33% 1995, 31% avg. Oats harvested for grain 90%, 100% 1995, 97% avg. Corn dough 88%, 77% 1995; dent 75%, 44% 1995; maturity 48%, 10% 1995, 54% avg.; harvested for grain 14%, 0% 1995, 7% avg.; harvested for silage 62%, 18% 1995, 52% avg. Onions harvested 62%, 43% 1995, 63% avg. Dry beans harvested 95%, 75% 1995. Potatoes harvested 45%, 8% 1995, 45% avg. Alfalfa 3rd cutting 86%, 89% 1995, 87% avg.; 4th cutting 40%, 21% 1995, 35% avg.; seed harvested 35%, 28% 1995, 69% avg. Apples picked 28%, 45% 1995, 47% avg. Pears picked 86%, 94% 1995. Range, pasture feed 12% very poor, 29% poor, 40% fair, 18% good, 1% excellent. Cattle moved from summer range 50%, 26% 1995, 39% avg. Sheep moved from summer range 48%, 23% 1995, 39% avg. Major farm, ranch activities: Harvesting alfalfa, onions, fruit, corn for grain, corn for silage, planting winter grains, breeding ewes.

VIRGINIA: Days suitable for fieldwork 5.0. Topsoil 4% short, 73% adequate, 23% surplus. Subsoil 4% short, 71% adequate, 25% surplus. Corn 75% mature, 1995 93%, 93% avg.; 25% corn for grain harvested, 1995 57%, 51% avg.; 60% corn silage harvested, 1995 85%, 77% avg. Soybeans 97% setting pods, 1995 100%, 100% avg.; 1% very poor, 2% poor, 10% fair, 63% good, 24% excellent. Peanuts 20% dug, 1995 46%, 27% avg.; 9% combined, 1995 29%, 15% avg.; 28% fair, 61% good, 11% excellent. Fire cured tobacco 95% harvested, 97% 1995, 98% avg. Flue cured tobacco 80% harvested, 91% 1995, 87% avg. Burley tobacco 75% harvested, 92% 1995, 88% avg. Sun cured tobacco 95% harvested, 98% 1995, 97% avg. Livestock 9% fair, 67% good, 24% excellent. Pasture feed 14% fair, 63% good, 23% excellent. Fall apples 45% harvested, 38% 1995. Winter apples 20% harvested. Barley 5% seeded, 9% 1995, 15% avg. Oats 8% seeded, 14% 1995, 23% avg. Activities: Generally drier weather allowed corn, corn silage producers to harvest previously wet fields. Corn blown down by Tropical Storm Fran beginning to sprout. Tobacco harvest continues. Producers digging, combining peanuts, disease reported some areas. Cotton being defoliated. Land preparation, seeding of small grains continues. Apple harvest continues. Tomatoes, cucumbers, snapbeans being harvested.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 20% short, 75% adequate, 5% surplus. Subsoil 30% short, 60% adequate, 10% surplus. Winter wheat, dryland 5% poor, 18% fair, 77% good; irrigated, 100% good. Seeding of winter wheat slowing down in Whitman County due to soil conditions. Corn grain 0% harvested, 0% 1995, 2% avg.; 1% fair, 99% good. Potatoes 51% harvested, 41% 1995, 47% avg.; 9% fair, 91% good. Potatoes being moved into storage sooner than expected due to low fresh market prices. Dry beans 58% harvested, 54% 1995, 63% avg.; 100% good. Mint harvest nearing completion. Hay, other roughage supplies, 9% short, 77% adequate, 14% surplus. Range,

pasture feed 15% poor, 40% fair, 40% good, 5% excellent. Alfalfa 3rd cutting 98%, 97% 1995, 94% avg. Corn silage 47% harvested, 38% 1995, 58% avg. Fruit harvest was in full swing. Red Delicious, Granny Smith apples were being picked. Grapes were being harvested in Benton County. Near freezing night temperatures are expected to improve cranberry coloration. Sweet corn, carrots, onions were being harvested. Snap bean harvest was completed in Kittitas County.

WEST VIRGINIA: Days suitable for fieldwork 3.4. Topsoil 74% adequate, 26% surplus. Wet conditions continue to delay corn, hay harvest. Winter wheat 21% planted, 7% 1995, 7% avg. Hay 2nd cutting 92%, 97% 1995, 94% avg.; 3rd cutting 52%, 66% 1995, 81% avg. Corn 11% fair, 78% good, 11% excellent; 90% dent stage, 95% 1995; 52% mature stage, 86% 1995, 87% avg.; 4% harvested for grain, 56% 1995, 44% avg. Soybeans 5% poor, 21% fair, 68% good, 6% excellent; 62% dropping leaves, 90% 1995. Tobacco 92% harvested, 92% 1995, 89% avg. Cattle 16% fair, 75% good, 9% excellent. Sheep 11% fair, 83% good, 6% excellent. Activities: Cutting and baling hay where conditions allowed; harvesting apples, corn for grain and tobacco; chopping silage; marketing livestock; cleaning up from flood and repairing fences.

WISCONSIN: Days suitable for fieldwork 4.9. Soil moisture 23% very short, 34% short, 39% adequate, 4% surplus. Dry weather had sped up the maturity stages for beans, corn. Some farmers finally received rain. Moisture improved soil, pasture, hay conditions, had little effect on corn and soybeans. Many farmers were glad there has been little frost damage so far. Corn silo filling was 32% complete, compared to 76% 1995, 39% avg. Some farmers were putting up more corn silage this year to replace a shortage of third crop hay. Third crop hay harvested was wrapping up with 81% completed. Some 4th crop hay was being made into haylage in Waupaca County. Hay harvesting, corn chopping, fall tillage were some activities, this past week. Fall tillage was at 7% completed, compared to 13% 1995, 9% avg. Soybean acreage had 85% which showed a change in the color of the leaves, 45% which started to shed leaves (compared to 95% change in leaves, 69% leaves shedding last year). Soybean combining began with 1% of the acreage harvested. A reporter from Columbia County commented on the beans being small, not yielding as expected. Soybean 4% very poor, 12% poor, 31% fair, 46% good, 7% excellent. Sweet corn harvest was winding down in the southeast, central districts. Potato harvest was about half done in Portage, Wood Counties. Cranberry harvest started in the central district with one reporter commenting on average yields. Pasture feed 15% very poor, 37% poor, 31% fair, 15% good, 2% excellent.

WYOMING: Days suitable for fieldwork 4.5. Topsoil 2% very short, 35% short, 63% adequate or surplus. Oats 96% harvested, 99% 1995, 97% avg. Dry beans 100% windrowed, 94% 1995, 94% avg.; 91% combined, 75% 1995, 70% avg. Corn 92% mature, 69% 1995, 54% avg.; 13% corn for grain harvested, 8% 1995, 12% avg.; corn silage 92% harvested, 67% 1995, 77% avg. Sugar beets 4% harvested, 11% 1995, 13% avg. Alfalfa 3rd cutting 72% harvested, 54% 1995, 59% avg. Winter wheat seeding for 1997 harvest 100% planted, 93% 1995, 92% avg.; 73% emerged, 68% 1995, 57% avg. Crops mostly good condition. Range, pasture feed 2% very poor, 10% poor, 43% fair, 45% good. Livestock mostly good condition. Stock water 71% adequate or surplus.

International Weather and Crop Summary

September 22 - 28, 1996

HIGHLIGHTS

FSU-WESTERN: Wet weather delayed summer crop harvesting and winter wheat planting in Ukraine.

FSU-NEW LANDS: Diminishing rainfall helped spring grain harvesting in Russia.

EUROPE: Variable showers caused only brief delays in fieldwork in the north, while wet weather delayed fieldwork in the south.

AUSTRALIA: Beneficial showers covered the main winter grain areas, aiding recovery from potential frost damage in the east.

CANADA: Prairie grain and oilseed harvests continued, albeit behind schedule.

SOUTH ASIA: Warm, dry weather dominated central and northwestern crop areas as the monsoon pushed farther southward.

SOUTHEAST ASIA: Showers continued to slow rice harvesting in Thailand, Vietnam, and the central Philippines.

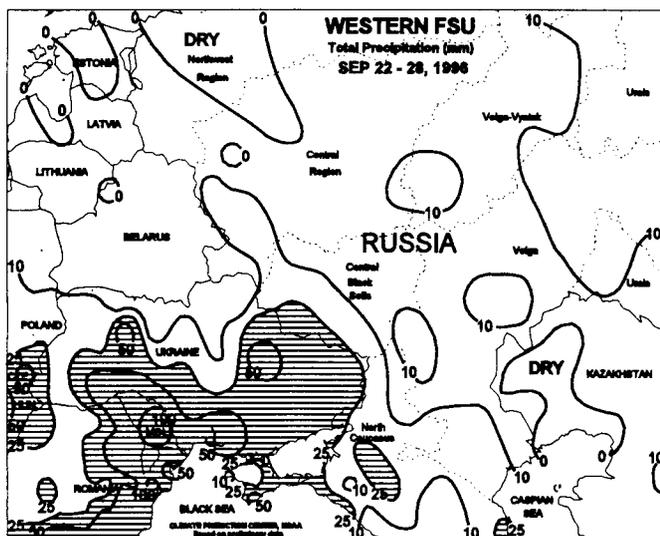
EASTERN ASIA: Mostly dry weather aided summer crop maturation and harvesting across China. Freezing temperatures ended the growing season across northern Manchuria, causing little damage to mature summer crops.

SOUTH AMERICA: In Argentina, rain favored northern winter wheat, while freezing temperatures burned back vegetative winter wheat in the south. In southern Brazil, rain benefited filling wheat and boosted topsoil moisture for soybean planting.

MEXICO: Showers favored filling corn across the main corn belt as dry weather prevailed in the north.

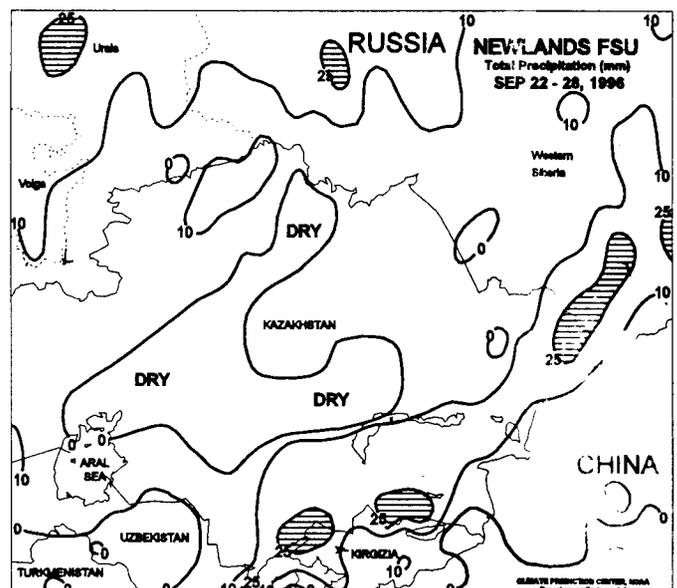
FSU-WESTERN

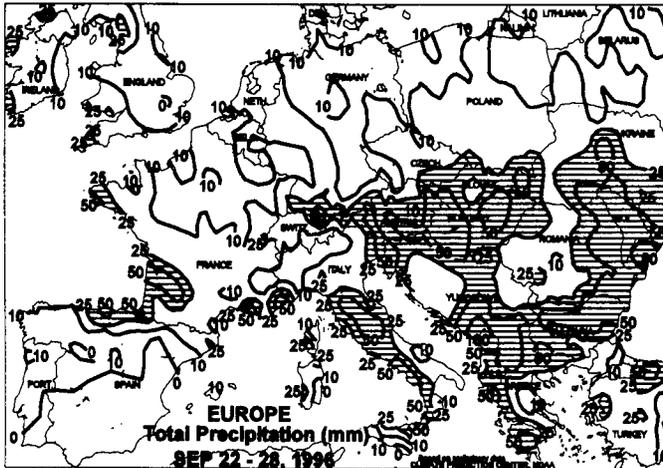
The main storm track was in the south, with high pressure persisting in the north. As a result, little, if any, precipitation (less than 10 mm) occurred over the Baltics, Belarus, and northern Russia, helping late-harvest activities. Furthermore, unseasonably cool weather (weekly temperatures averaging 2-3 degrees C below normal) prevailed over these areas. Nighttime temperatures that dropped below freezing (-1 to -4 degrees C) on some nights prompted hardening of winter grains. Farther south, wet weather occurred over Ukraine and spread eastward into North Caucasus, Russia, delaying summer crop harvesting and winter grain planting. Rainfall ranged from 10 to 66 mm in Ukraine and 10 to 34 mm in North Caucasus, providing adequate to abundant moisture for winter wheat germination and early plant establishment.



FSU-NEW LANDS

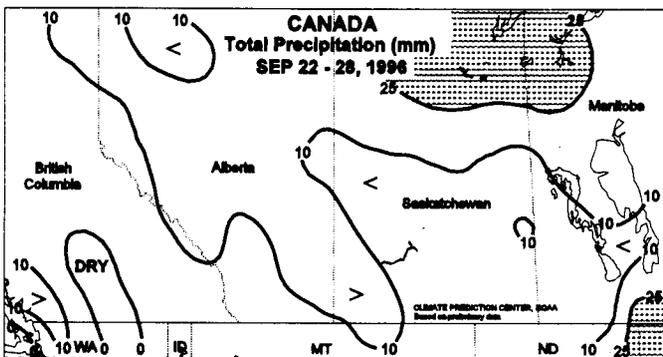
Rainfall diminished over spring grain areas in Russia, improving conditions for harvesting. Reports as of September 23 indicated that the harvest of spring grains and pulses, excluding corn, was about 75 percent completed, compared with 80 percent for this same time last year. Most of the remaining grain to be harvested is in Siberia. Farther south, reports indicated the grain harvest in Kazakhstan was also about 75 percent completed. Little, if any, precipitation (generally less than 8 mm) over most areas in Kazakhstan this past week helped harvest activities. The exception was in extreme northern Kazakhstan, where showers (10-22 mm) slowed the harvest. In cotton growing areas of central Asia, scattered showers slowed early harvest activities in eastern Uzbekistan, while dry weather helped harvesting over the remainder of the region.





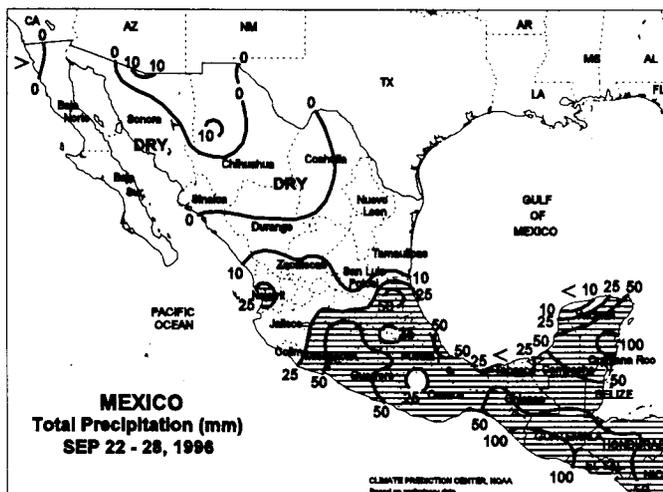
EUROPE

Variable showers fell over northern Europe, causing only brief delays in summer crop harvesting and winter grain planting. Precipitation amounts generally ranged from 3 to 13 mm, with the greatest amounts of rain (10-25 mm) covering western Germany and southern Poland. Farther south, dry weather prevailed over southern Spain, helping corn and sunflower harvesting. In contrast, rainy weather (10-50 mm, with local amounts in excess of 50 mm) spread from southern France, eastward through Italy, into southeastern Europe (former Yugoslavia, Romania, Bulgaria, and Greece). The rain in these areas slowed summer crop harvesting and winter grain planting. Weekly temperatures averaged 2 to 4 degrees Celsius below normal over most of Europe.



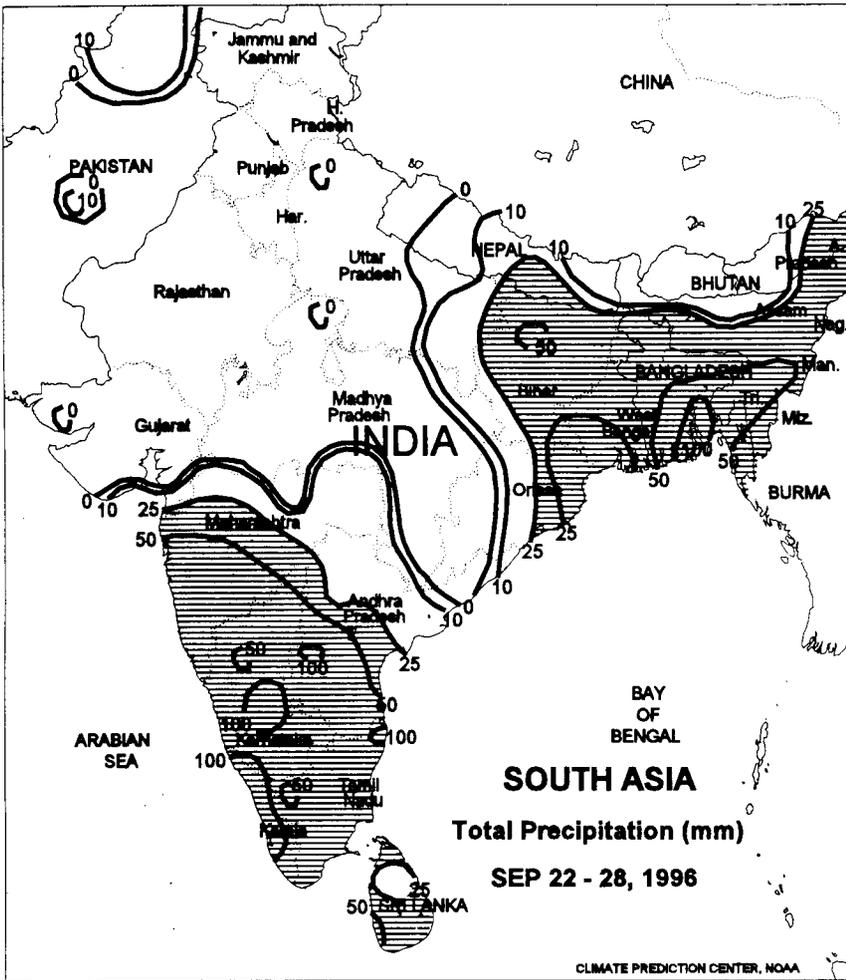
CANADA

Scattered, mostly light showers (3-18 mm) lingered over the Prairies, allowing spring grain and oilseed harvests to slowly resume. Temperatures averaged 1 to 3 degrees C below normal over Alberta and Saskatchewan, with a killing freeze (lows of -2 to -4 degrees C) at many locations. Crops were mostly mature at the time of the freeze, limiting the scope of potential damage. However, unfavorable wetness, including snow, has reportedly resulted in quality reductions. Field conditions permitting, a rush to harvest is anticipated to prevent further declines. Farther east, late-week heavy rain (25-50 mm or more) in Ontario was unfavorable for maturing corn and soybeans.



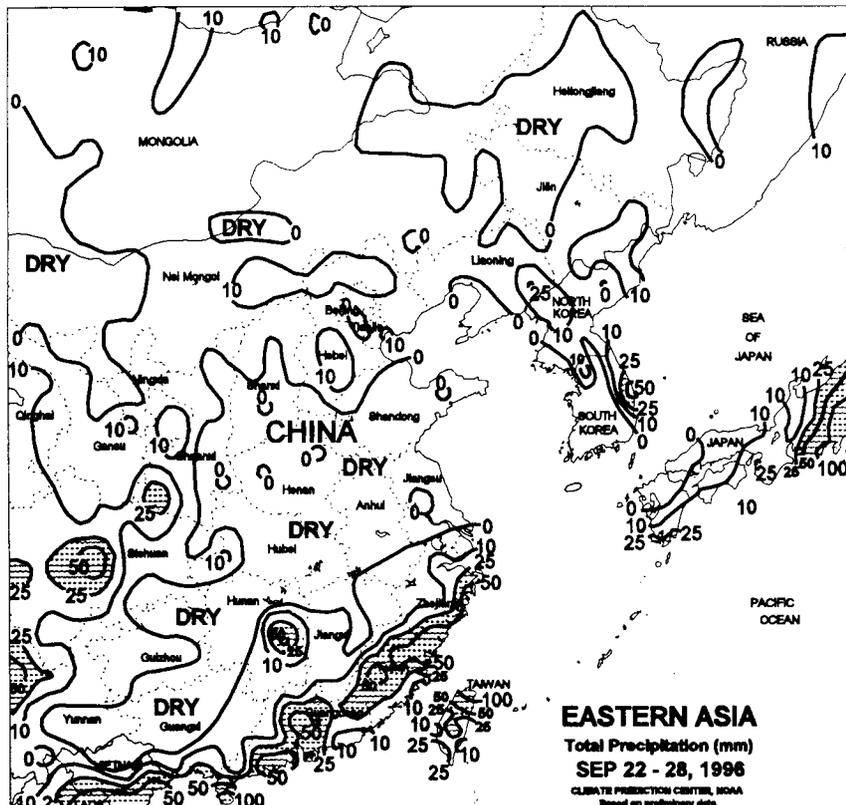
MEXICO

Moderate showers (15-40 mm, with isolated amounts greater than 75 mm) continued to favor filling corn across Southern Plateau corn belt. Dry weather prevailed across northern Mexico, where additional rainfall is still needed to replenish reservoir levels. Seasonal showers (25-75 mm) aided reproductive corn across the Yucatan Peninsula. Temperatures averaged 1 to 3 degrees C above normal across most of the country.



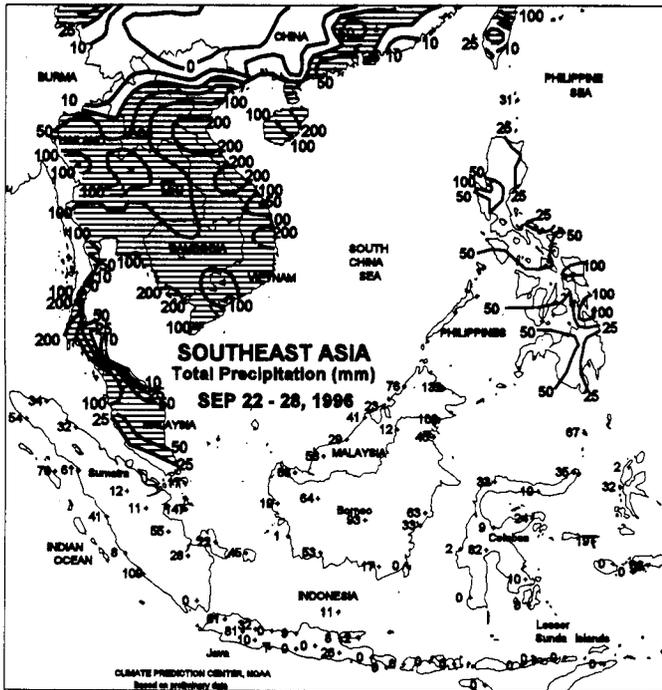
SOUTH ASIA

Warm, dry weather dominated northwestern and central India and Pakistan as the monsoon continued its seasonal withdrawal. While the overall dryness benefited maturing grains and cotton, more rain was needed locally for immature oilseeds. Elsewhere, scattered, locally heavy showers (25-50 mm or more, exceeding 100 mm at a few locations) fell in eastern rice areas and throughout the southern interior, maintaining generally favorable moisture levels for immature grains, oilseeds, and cotton. By mid-October, the monsoon has typically withdrawn from all but the southern interior.



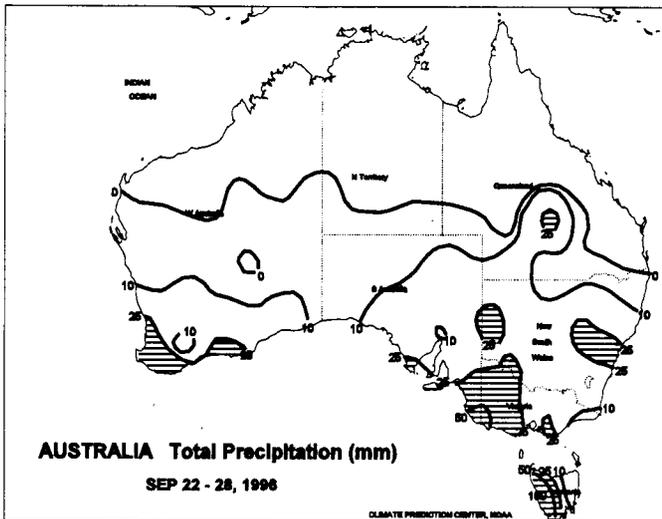
EASTERN ASIA

Mostly dry, warm weather covered Manchuria, the North China Plain, and central China, favoring corn, soybean, cotton, and single-crop rice harvesting and winter wheat planting. Minimum temperatures in northern Manchuria ranged from 1 to -2 degrees C, ending the growing season but not damaging mature summer crops. Light to moderate rain (5-30 mm) fell across coastal southeastern and southern China. Dry weather aided rice harvesting over the Korean Peninsula. Typhoon Violet brushed eastern Japan (near Tokyo) on September 21-22, causing heavy rain (75-225 mm) across central Japan. This rain slowed rice harvesting. Temperatures averaged 2 to 4 degrees C above normal across most of China.



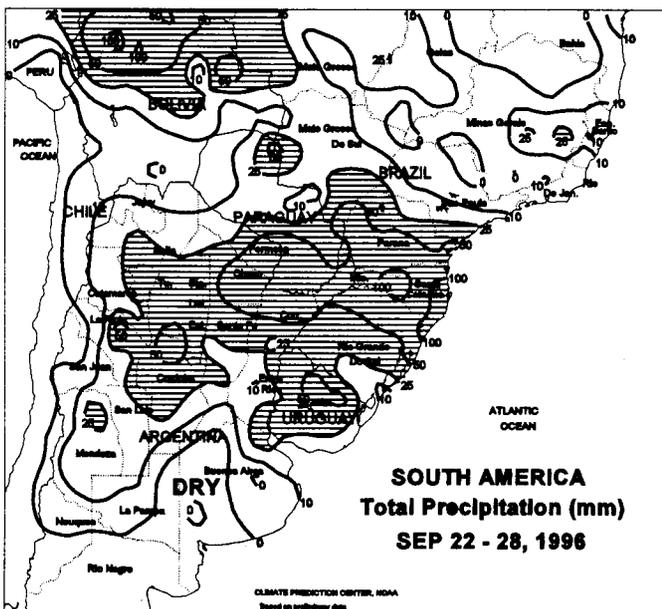
SOUTHEAST ASIA

Early in the week, the remnants of Tropical Cyclone Willie produced heavy showers (150-350 mm) across north-central Vietnam. These rains slowed 10th-month rice harvesting and possibly caused some damage to the crop. The remnants of Willie also brought moderate to heavy rain (50-150 mm) to Thailand, slowing main-season rice harvesting. Moderate to heavy showers (40-160 mm) also slowed main-season rice harvesting across the central Philippines. Lighter showers (generally less than 40 mm) across the northern Philippines did not impede main-season rice harvesting. Showers (25-100 mm) favored oil palm across peninsular Malaysia. Scattered rain (5-30 mm) aided second-season rice in Java.



AUSTRALIA

Light to moderate rain (5-25 mm or more) continued throughout the main winter wheat and barley regions, maintaining favorable moisture levels for crops ranging from the vegetative to filling stages of development. The heaviest rain (10-41 mm) covered much of the southeast, including the western grazing and pasture areas. Another day of patchy frost occurred on the 22nd, likely causing some burn back of tender growth in the southeast. Temperatures in most crop areas averaged near to below normal, slowing crop growth. Queensland and northern New South Wales were the exception, with highs reaching the low 30 degrees C. Sorghum and cotton planting progressed, with minor rain delays. In New Zealand, the main pasture areas were mostly dry.



SOUTH AMERICA

In Argentina, light to moderate rain (5-35 mm) benefited reproductive wheat across Cordoba and Santa Fe. However, more rain is still needed across the region. Minimum temperatures (0 to -2 degrees C) burned back vegetative wheat in southern Buenos Aires. Widespread rain (40-80 mm) boosted moisture supplies for early cotton planting across northern Argentina. In southern Brazil, moderate rain (30-80 mm) fell across southern Mato Grosso do Sul southward into Rio Grande do Sul, boosting soil moisture for soybean planting. This rain slowed early wheat harvesting in Mato Grosso do Sul, but favored filling wheat farther south. Temperatures averaged 1 to 3 degrees C below normal across Argentina and 2 to 4 degrees C above normal across southern Brazil.

The *Weekly Weather and Crop Bulletin* is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the *Weekly Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: domestic first class \$45, foreign \$55 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to: Climate Prediction Center, W/NP52, Attn: *Weekly Weather and Crop Bulletin*, NOAA/NWS/NCEP, NOAA Science Center, Room 605, 5200 Auth Road, Camp Springs, MD 20746. Order subscriptions from the office and address listed above. First-class postage paid at Washington, DC, and other mailing offices. Correspondence to the meteorologists should be directed to: *Weekly Weather and Crop Bulletin*, NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. Internet URL: <http://www.usda.gov/oce/waob/jawf>; E-mail address: wwcb@jawfarv.www.noaa.gov

U.S. DEPARTMENT OF COMMERCE
 National Oceanic and Atmospheric Administration
 National Weather Service/Climate Prediction Center
 Managing Editor **Douglas Le Comte** (202) 720-7919
 fax (202) 720-1455
 Editor **Brad Rippey** (202) 720-1444
 Meteorologists **David Secora, Jeff Savadel, Brian Morris**
 Special Requests (202) 720-7917
 Subscriptions **John Kopman** (301) 763-8227
 fax (301) 763-8395

U.S. DEPARTMENT OF AGRICULTURE
 Economic Research Service
 E.R.S. Editor **Sharon Lee**
 National Agricultural Statistics Service
 Agricultural Statistician **Greg Preston** (202) 720-7621
 State Summaries Editor **Klara Haskins** (202) 720-8033
 World Agricultural Outlook Board
 Agricultural Weather Analysts **Ray Motha**
 **Tom Puterbaugh, Mark Brusberg, Bob Stefanski**
 Secretary **Teresa Davis** (202) 720-9807

Pasture and Range Crop Condition by Percent											
Week Ending September 29, 1996											
	VP	P	G	F	EX		VP	P	G	F	EX
AL	1	3	24	57	15	NH	0	2	55	43	0
AZ	20	13	32	32	3	NJ	0	0	10	80	10
AR	5	20	34	36	5	NM	3	9	28	48	12
CA	0	20	60	20	0	NY	0	0	0	100	0
CO	4	8	19	57	12	NC	1	7	23	59	10
CT	0	0	8	92	0	ND	4	19	39	35	3
DE	0	3	24	71	2	OH	4	19	39	36	2
FL	0	5	20	75	0	OK	0	4	20	49	27
GA	1	10	32	54	3	OR	1	35	36	27	1
ID	0	24	41	32	3	PA	0	4	22	58	16
IL	10	28	34	25	3	RI	0	0	8	8	84
IN	6	19	43	30	2	SC	2	8	38	50	2
IA	3	13	35	43	6	SD	1	6	28	53	12
KS	0	4	18	69	9	TN	0	2	24	61	13
KY	3	11	33	44	9	TX	2	13	40	35	10
LA	0	4	26	62	8	UT	12	29	40	18	1
ME	0	24	33	35	8	VT	24	9	40	26	1
MD	1	2	11	72	14	VA	0	0	14	63	23
MA	0	0	11	89	0	WA	0	15	40	40	5
MI	7	23	36	30	4	WV	0	2	16	71	11
MN	10	26	39	24	1	WI	15	37	31	15	2
MS	2	10	31	50	7	WY	2	10	43	45	0
MO	6	19	29	38	8	ALL	3	14	32	43	8
MT	6	24	43	26	1						
NE	1	2	16	64	17	Prev Wk	4	15	33	41	7
NV	7	15	42	36	0	Prev Yr	4	16	35	40	5

Climate Prediction Center, W/NP52
 Attn: *Weekly Weather & Crop Bulletin*
 NOAA/NWS/NCEP
 NOAA Science Center, Room 605
 5200 Auth Road
 Camp Springs, MD 20746

WEEKLY NEWS BULLETIN
FIRST CLASS

FIRST CLASS MAIL
 POSTAGE & FEES PAID
 NOAA
 PERMIT NO. G-19

OFFICIAL BUSINESS
 PENALTY FOR PRIVATE USE, \$300