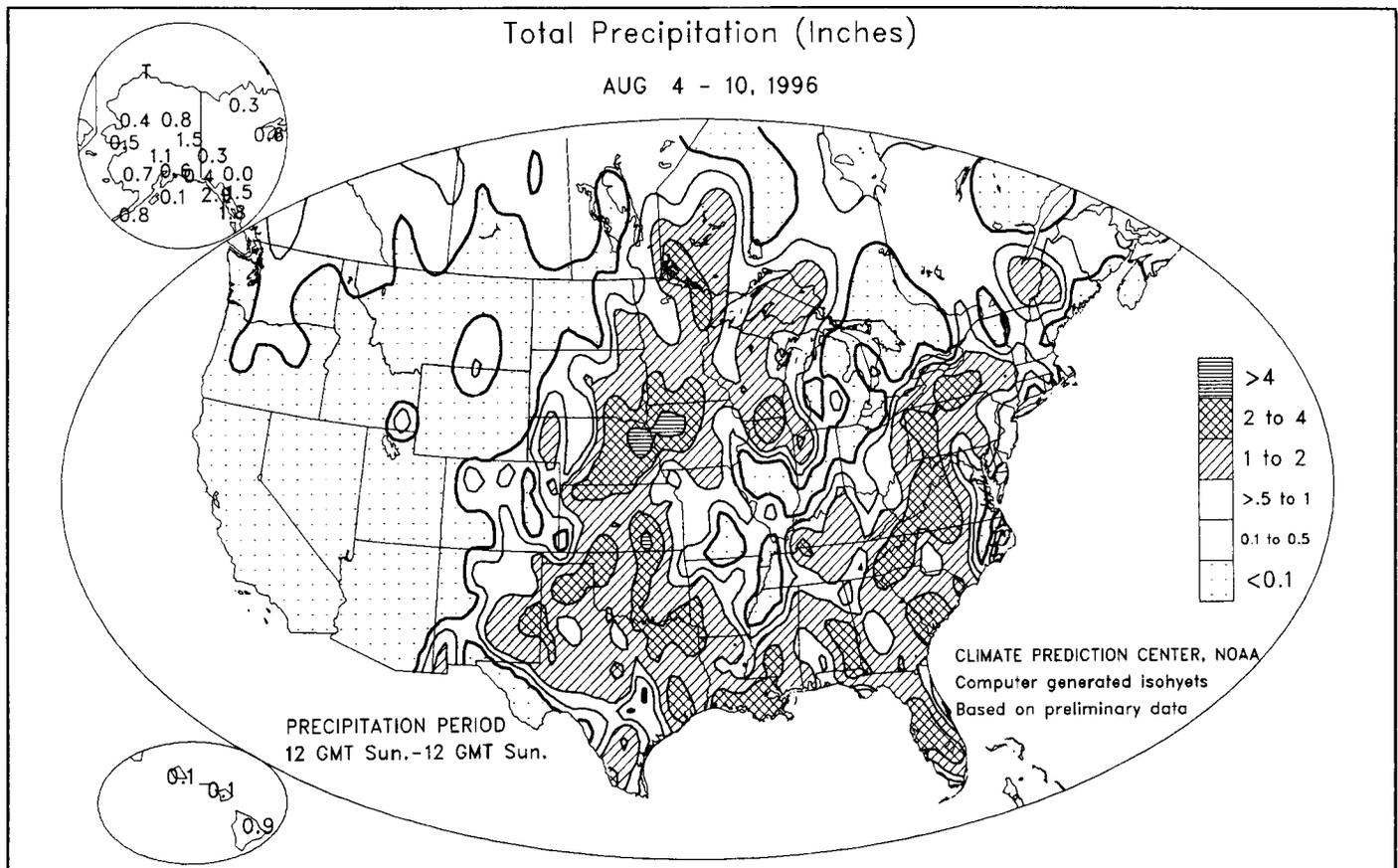


WEEKLY WEATHER AND CROP BULLETIN

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

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



HIGHLIGHTS August 4 - 10, 1996

A temporary pattern change boosted **Midwestern** crop development, as temperatures reached the lower- to mid-90's on 1 to 3 days. Rain preceded the warmth across the northwestern half of the **Corn Belt**, improving topsoil moisture, but causing localized flooding. Generally dry weather prevailed across the remainder of the **Corn Belt**. Farther west, a cool spell (more than three dozen daily-record lows) yielded to late-week heat. In the **West Coast States**, nearly a dozen daily-record lows were set at week's end. Despite cool weather, drought continued to expand across the **northern Rockies** and **northern High Plains**. In contrast, substantial rainfall across the **southern Plains** continued to reduce the severity and areal extent of the 10-month drought. Elsewhere, beneficial showers continued to dampen the **Southeast**, while rainfall kept topsoils moist from the **Middle Atlantic region** into **New England**.

(Continued on page 4)

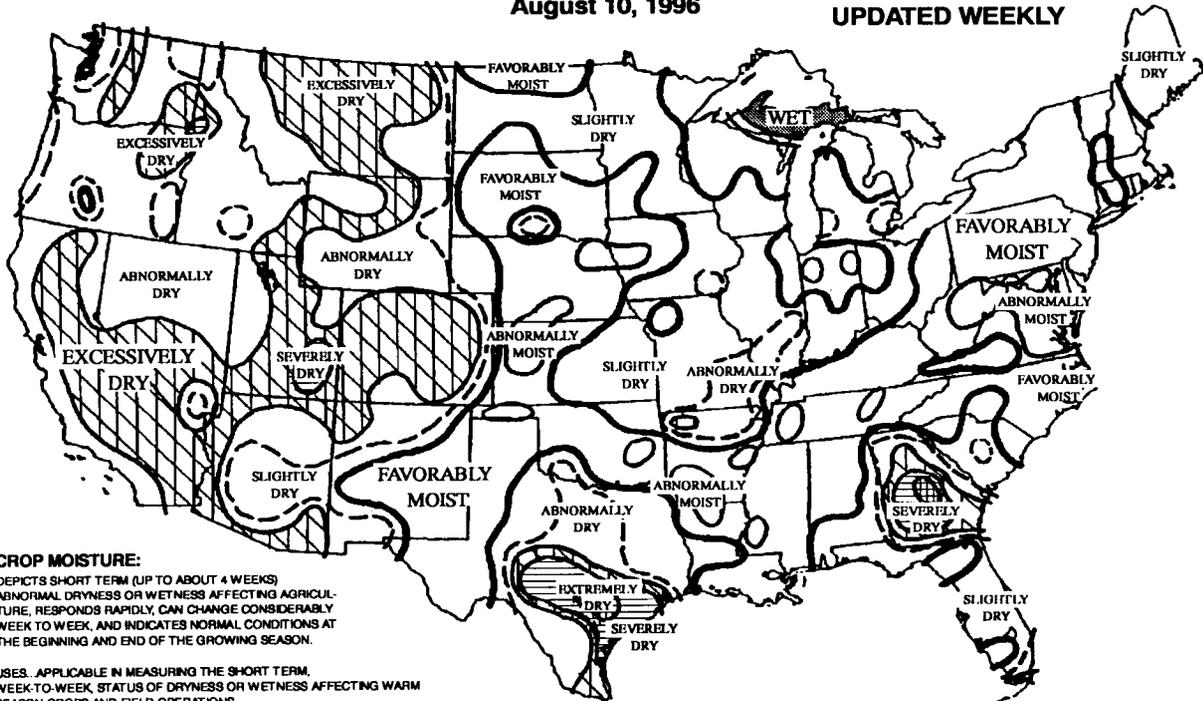
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CROP MOISTURE
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

August 10, 1996

UPDATED WEEKLY



CROP MOISTURE:

DEPICTS SHORT TERM (UP TO ABOUT 4 WEEKS) ABNORMAL DRYNESS OR WETNESS AFFECTING AGRICULTURE. RESPONDS RAPIDLY, CAN CHANGE CONSIDERABLY WEEK TO WEEK, AND INDICATES NORMAL CONDITIONS AT THE BEGINNING AND END OF THE GROWING SEASON.

USES APPLICABLE IN MEASURING THE SHORT TERM, WEEK-TO-WEEK STATUS OF DRYNESS OR WETNESS AFFECTING WARM SEASON CROPS AND FIELD OPERATIONS.

LIMITATIONS...MAY NOT BE APPLICABLE TO GERMINATING AND SHALLOW ROOTED CROPS WHICH ARE UNABLE TO EXTRACT THE DEEP OR SUBSOIL MOISTURE FROM A 5-FOOT PROFILE, OR FOR COOL SEASON CROPS GROWING WHEN TEMPERATURES ARE AVERAGING BELOW ABOUT 55°F. IT IS NOT GENERALLY INDICATIVE OF THE LONG TERM (MONTHS, YEARS) DROUGHT OR WET SPELLS WHICH ARE DEPICTED BY THE DROUGHT SEVERITY INDEX.

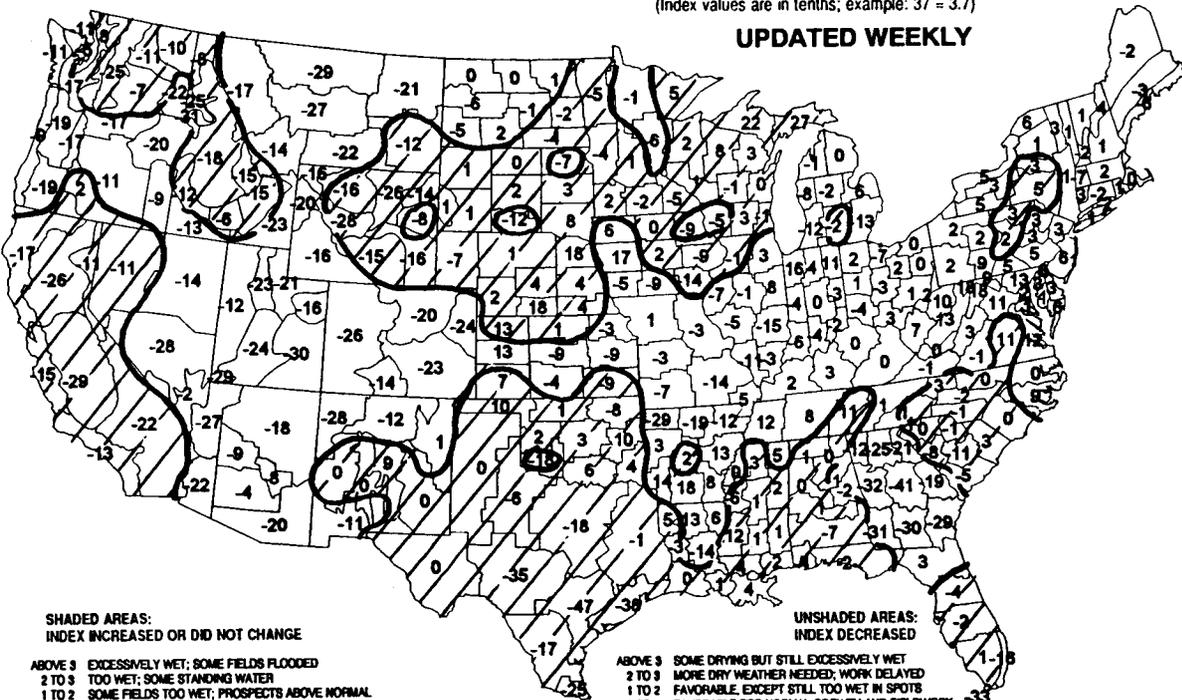
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

CROP MOISTURE INDEX
(SHORT TERM, CROP NEED VS. AVAILABLE WATER IN 5-FT. SOIL PROFILE)

August 10, 1996

(Index values are in tenths; example: 37 = 3.7)

UPDATED WEEKLY



SHADED AREAS:
INDEX INCREASED OR DID NOT CHANGE

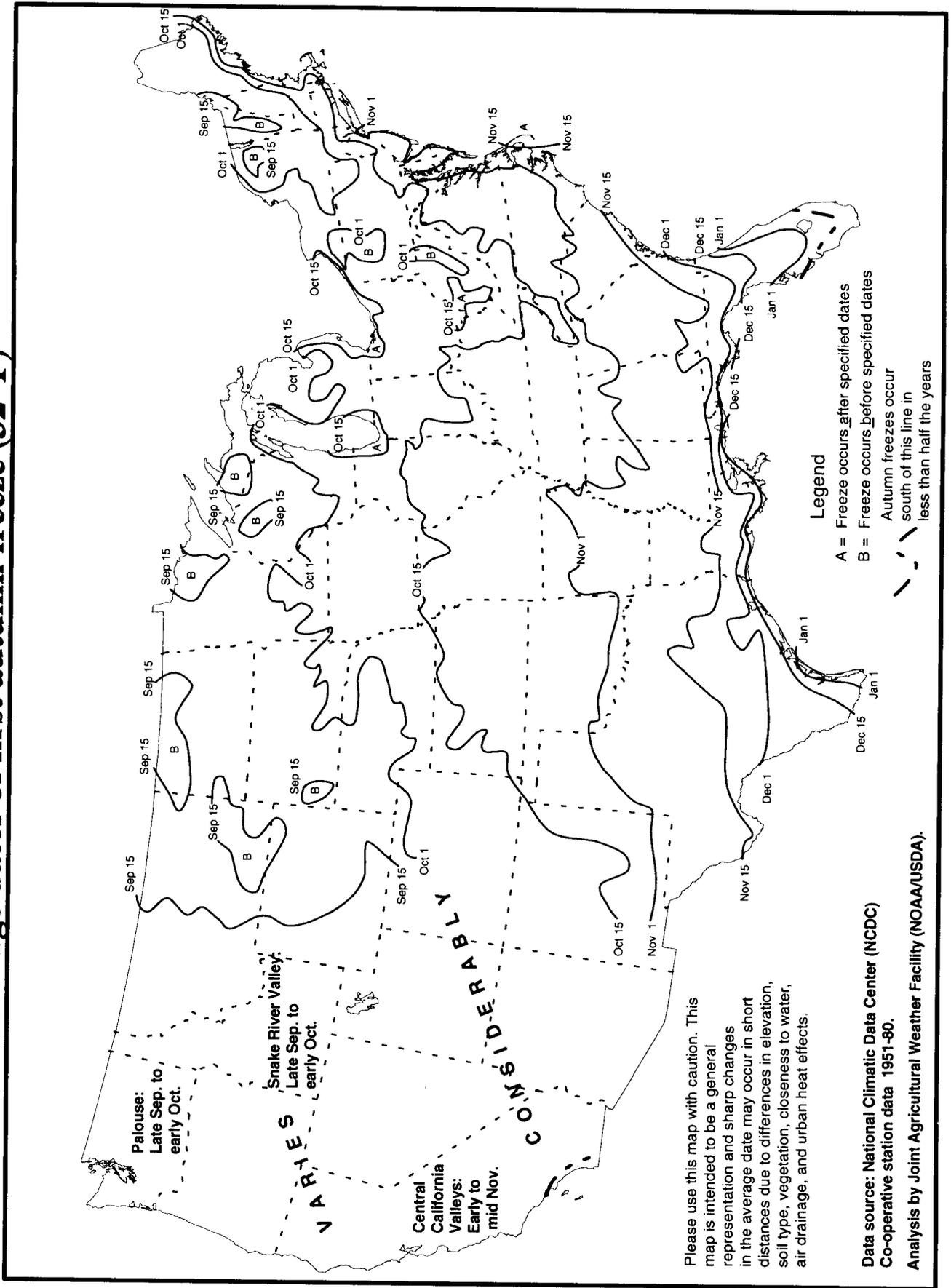
- ABOVE 3 EXCESSIVELY WET; SOME FIELDS FLOODED
- 2 TO 3 TOO WET; SOME STANDING WATER
- 1 TO 2 SOME FIELDS TOO WET; PROSPECTS ABOVE NORMAL
- 0 TO 1 MOISTURE ADEQUATE FOR PRESENT CROP NEEDS
- 0 TO -1 PROSPECTS IMPROVED BUT RAIN STILL NEEDED
- 1 TO -2 SOME IMPROVEMENT BUT STILL ABNORMALLY DRY
- 2 TO -3 DRYNESS EASED BUT FIELDS STILL EXCESSIVELY DRY
- 3 TO -4 SEVERE DRYNESS CONTINUES; MORE RAIN URGENTLY NEEDED
- BELOW -4 NOT ENOUGH RAIN; STILL EXTREMELY DRY

UNSHADED AREAS:
INDEX DECREASED

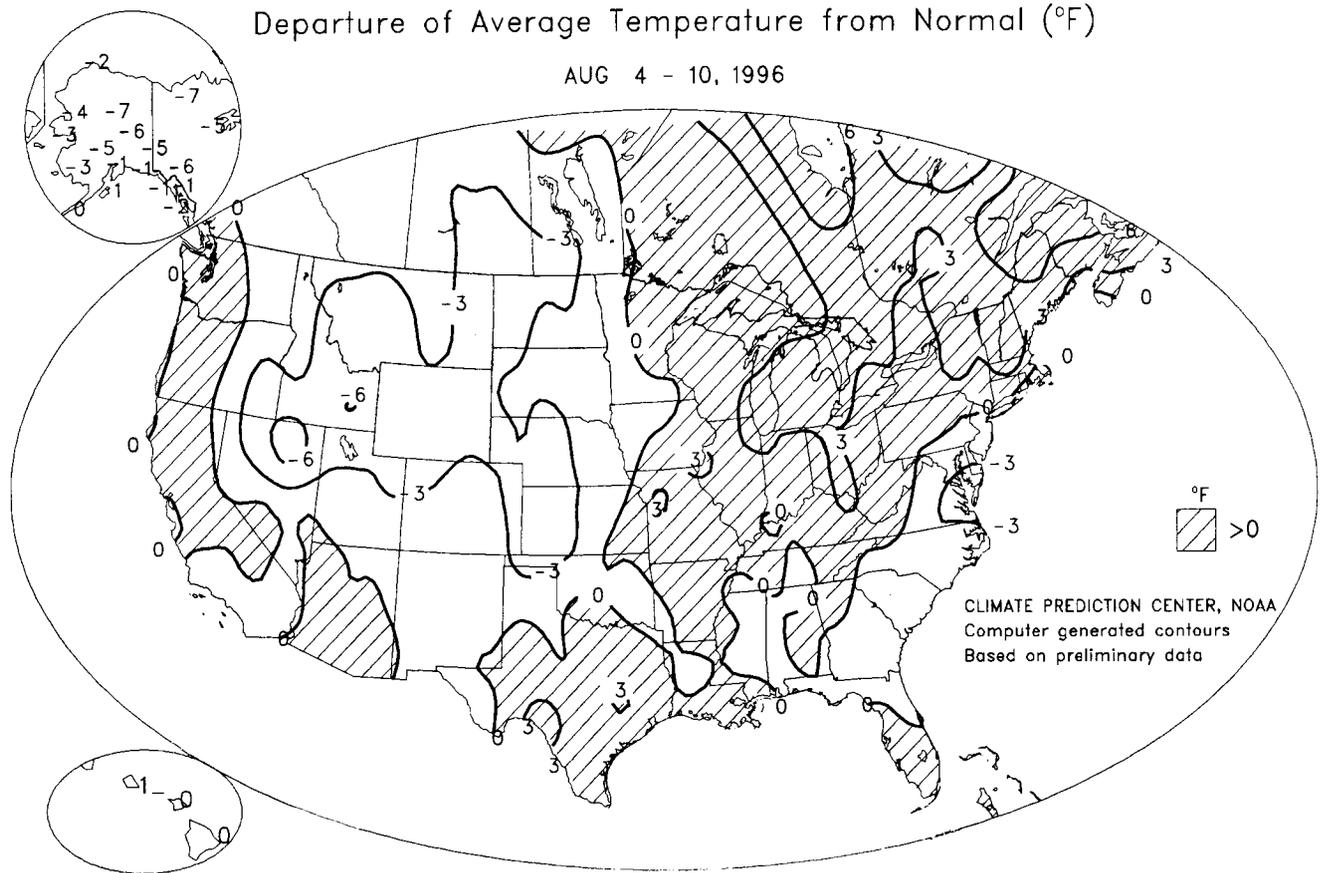
- ABOVE 3 SOME DRYING BUT STILL EXCESSIVELY WET
- 2 TO 3 MORE DRY WEATHER NEEDED; WORK DELAYED
- 1 TO 2 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
- 0 TO 1 FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
- 0 TO -1 TOPSOIL MOISTURE SHORT; GERMINATION SLOW
- 1 TO -2 ABNORMALLY DRY; PROSPECTS DETERIORATING
- 2 TO -3 EXCESSIVELY DRY; YIELD PROSPECTS REDUCED
- 3 TO -4 POTENTIAL YIELDS SEVERELY CUT BY DRYNESS
- BELOW -4 EXTREMELY DRY; MOST CROPS RUINED

NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY Based on preliminary reports

United States: Average dates of first autumn freeze (32° F)



Please use this map with caution. This map is intended to be a general representation and sharp changes in the average date may occur in short distances due to differences in elevation, soil type, vegetation, closeness to water, air drainage, and urban heat effects.



(Continued from front cover)

Early in the week, extreme heat gradually ebbed from **Texas**, while cool air pushed eastward across the **West**. On Sunday, highs in **Texas** included 106°F in **Wichita Falls** and a daily-record 103°F in **Del Rio**. Meanwhile, **Elko, NV** (36°F) noted their first of three daily-record lows in 4 days. The chill peaked on Tuesday in **Burns, OR** (30°F) and a day later in locations such as **Pocatello, ID** (35°F), **Casper, WY** (34°F), and **Elko** (32°F).

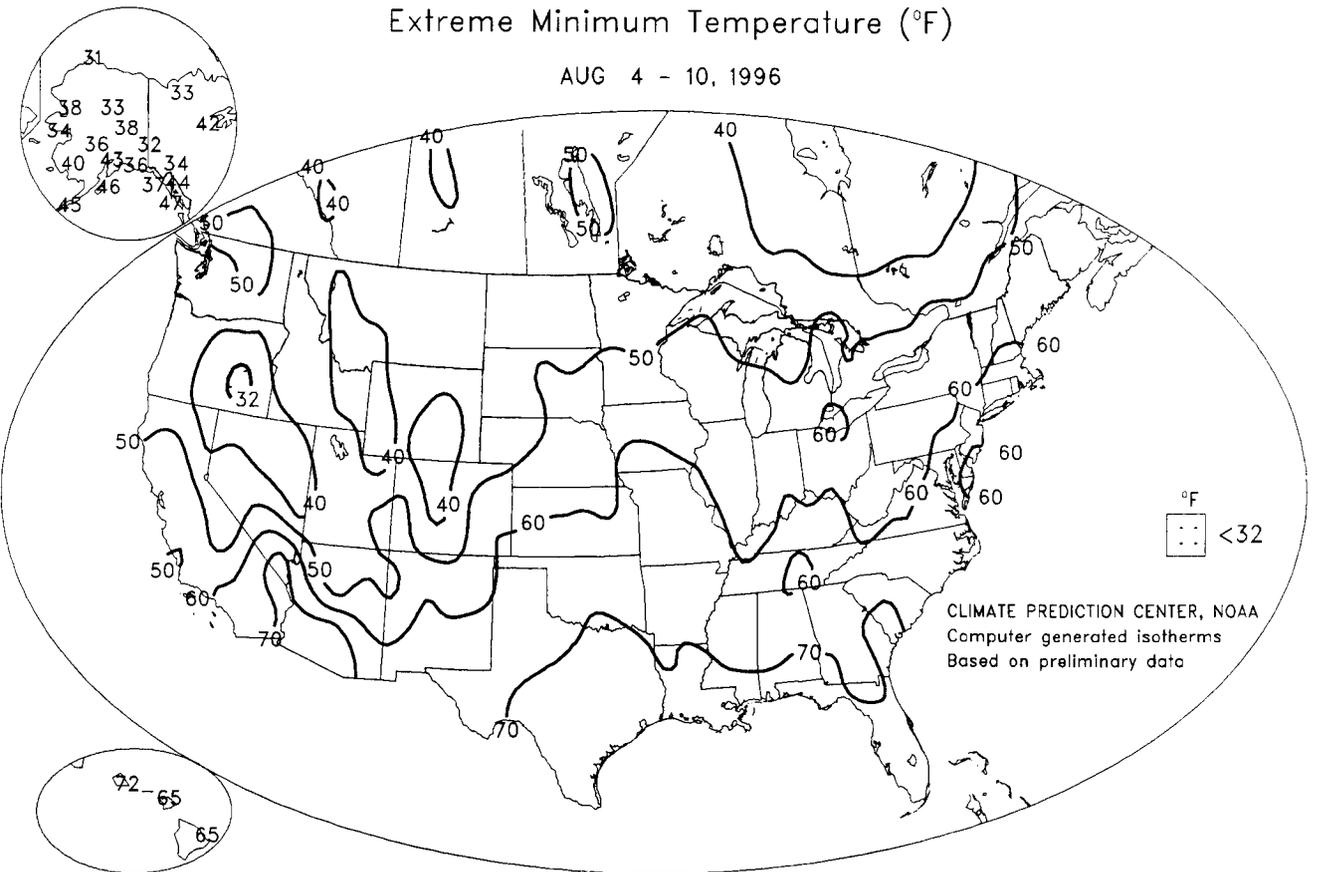
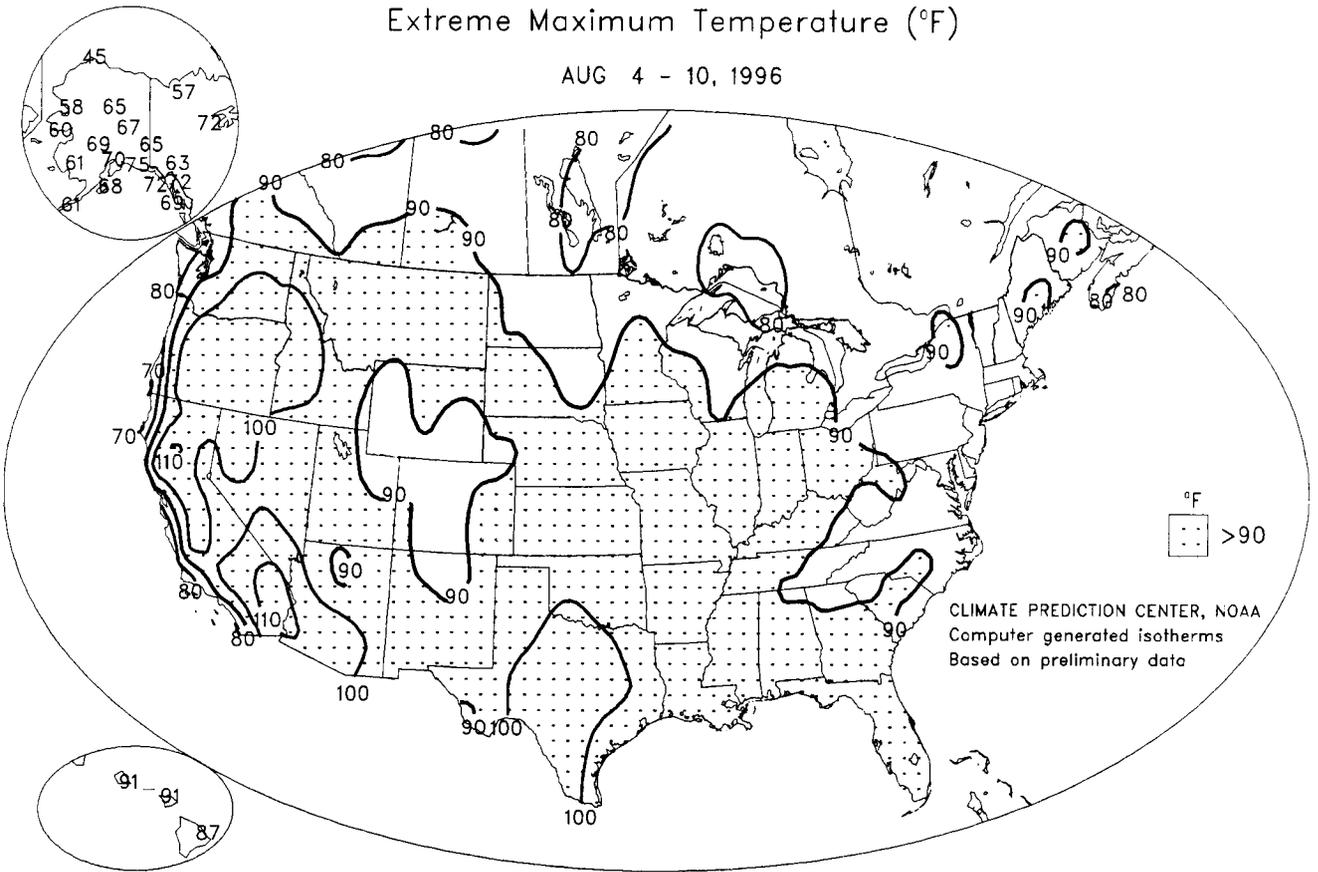
Early-week rainfall topped 3 inches in **Norfolk, NE** and **Sioux City, IA**, while a few nearby locations received as much as 4 to 8 inches. The **Midwestern** warm spell peaked about midweek, but ended from the west thereafter. On Wednesday, daily-record highs were established as far north in **Michigan** as **Muskegon** (90°F) and **Flint** (95°F).

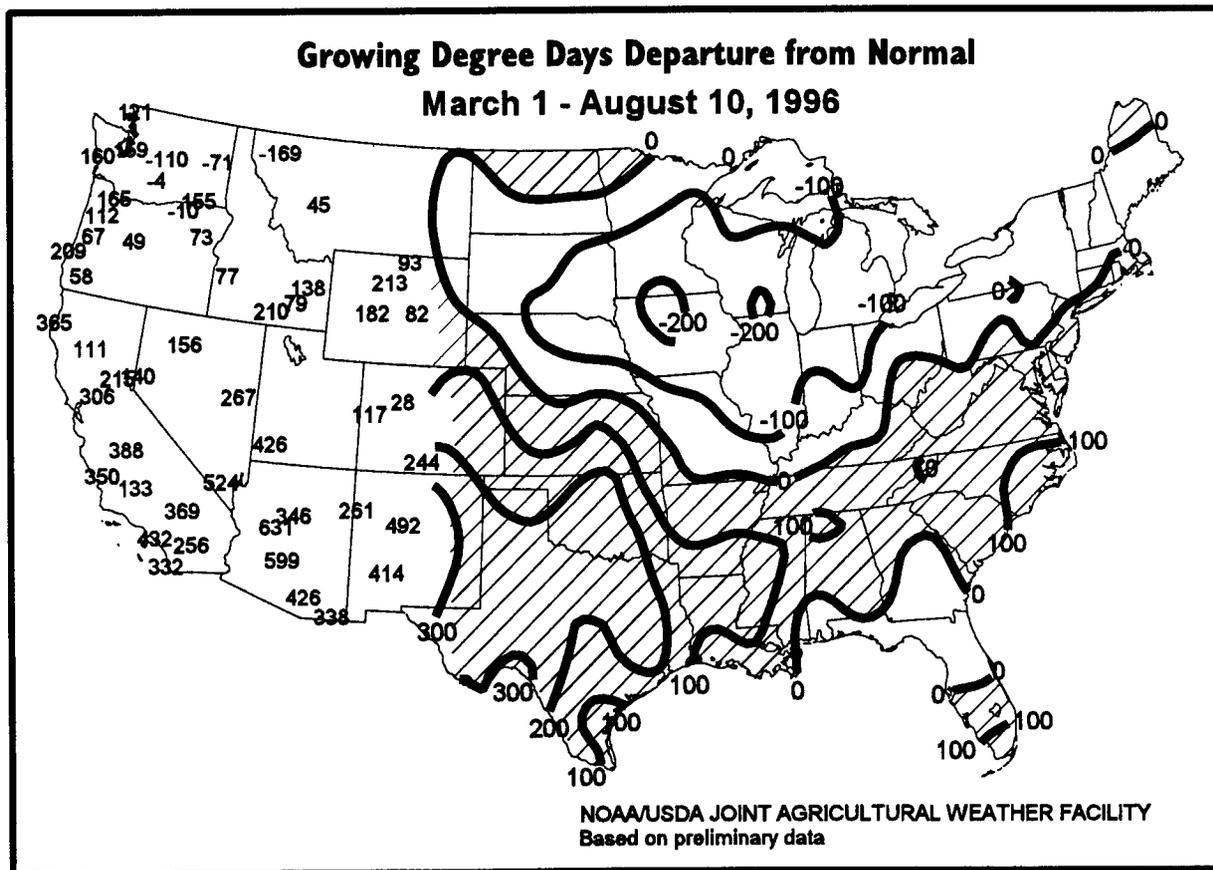
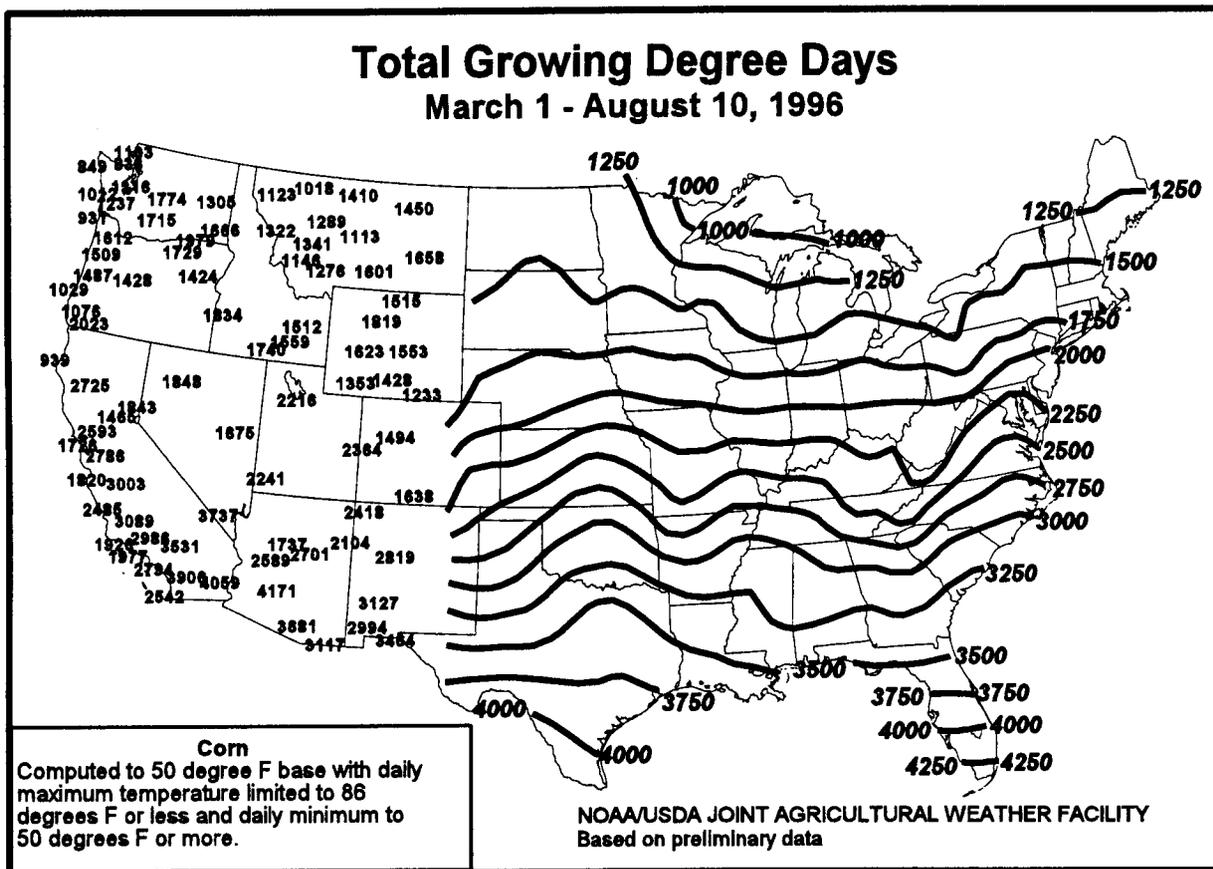
Late in the week, significant rain developed across parts of **Texas**. **Wichita Falls'** year-to-date rainfall improved to 9.45 inches (54 percent (%) of normal) on the strength of a 1.94-inch weekly total. Similarly, 2.88 inches fell in

Houston on Saturday, boosting their 1996 total to 17.61 inches (65% of normal). In **southern Texas**, **Brownsville's** weekly total of 0.67 inches accounted for 32% of their year-to-date total (2.12 inches; 17% of normal). Serious rainfall deficits continued elsewhere across **western and southern Texas** and parts of the **Southwest**. The year-to-date precipitation in **Flagstaff, AZ** stands at 4.22 inches, 32% of normal.

In contrast, weekly rainfall in excess of 2 inches soaked several **Southeastern** locations, including **Birmingham, AL**, **Shreveport, LA**, and **Savannah, GA**. Mid- to late-week totals also topped 2 inches in many inland areas from the **Carolinas** to **New York**.

On Friday, a high of 111°F in **Paso Robles, CA** was among four daily records as heat returned to the **West**. A day later, daily records included 109°F at both **Hanford, WA** and **Sacramento, CA**. In **Oregon**, **Burns'** daily-record high of 100°F represented a 70-degree swing from Tuesday's record low.





National Weather Data for Selected Cities

Weather Data for the Week Ending August 10, 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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN., SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP, °F		PRECIP.	
																90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
AL BIRMINGHAM	90	71	93	64	80	0	2.30	1.46	1.46	13.01	127	44.13	122	97	52	4	0	3	2
AL MOBILE	90	73	92	72	81	-1	1.82	0.02	0.96	13.07	92	44.86	109	96	63	5	0	4	2
AL MONTGOMERY	90	72	91	70	81	1	1.96	0.96	1.56	13.13	109	44.23	119	97	59	5	0	5	1
AK ANCHORAGE	64	50	70	43	57	-1	0.57	0.05	0.24	3.30	91	6.52	89	86	45	0	0	4	0
AK BARROW	40	34	45	31	37	-2	0.01	-0.22	0.01	1.24	78	1.83	83	94	81	0	3	1	0
AK FAIRBANKS	62	44	67	38	53	-6	1.49	1.01	0.57	4.64	117	7.09	114	95	56	0	0	5	1
AK JUNEAU	81	49	72	44	55	-1	-	-	-	-	-	-	-	99	75	0	0	-	-
AK KODIAK	84	49	88	48	57	1	0.08	-0.98	0.08	9.34	94	27.12	73	83	53	0	0	1	0
AK NOME	56	40	80	34	48	-3	0.53	-0.08	0.33	3.31	79	9.02	121	91	55	0	0	4	0
AZ PHOENIX	104	82	108	79	93	1	0.01	-0.21	0.01	1.00	77	2.80	72	44	19	7	0	1	0
AZ PRESCOTT	91	68	97	55	75	3	0.21	-0.82	0.21	3.28	68	5.47	49	82	25	5	0	1	0
AZ TUCSON	98	75	102	74	87	1	0.01	-0.52	0.01	1.88	54	3.01	49	83	25	7	0	1	0
AZ YUMA	106	81	109	77	94	0	0.00	-0.14	0.00	0.31	82	0.93	63	57	15	7	0	0	0
AR FORT SMITH	91	73	94	68	82	0	0.09	-0.57	0.09	13.18	181	31.54	126	96	58	5	0	1	0
AR LITTLE ROCK	-	-	-	-	-	-	1.06	0.43	-	11.33	-	29.37	99	-	-	-	-	-	-
CA BAKERSFIELD	97	69	105	61	83	-1	0.00	-0.02	0.00	0.00	0	4.20	109	61	18	7	0	0	0
CA EUREKA	83	51	87	48	57	-1	0.00	-0.09	0.00	0.05	7	29.44	139	83	67	0	0	0	0
CA FRESNO	98	67	106	59	82	1	0.00	0.00	0.00	0.08	114	8.14	117	77	21	7	0	0	0
CA LOS ANGELES	77	65	79	64	71	1	0.00	-0.03	0.00	0.00	0	8.72	112	81	61	0	0	0	0
CA REDDING	102	83	110	56	82	2	0.00	-0.06	0.00	0.31	38	27.68	145	59	12	7	0	0	0
CA SACRAMENTO	97	82	109	55	79	4	0.00	0.00	0.00	0.00	0	15.85	147	77	28	6	0	0	0
CA SAN DIEGO	74	67	75	66	70	2	0.00	-0.02	0.00	0.08	80	3.94	63	79	68	0	0	0	0
CA SAN FRANCISCO	71	53	78	52	62	-1	0.00	0.00	0.00	0.00	0	18.48	161	91	57	0	0	0	0
CO DENVER	89	56	93	52	72	-1	0.00	-0.36	0.00	2.80	62	5.97	56	75	19	3	0	0	0
CO GRAND JUNCTION	93	62	94	54	78	-1	0.00	-0.19	0.00	1.32	77	5.45	92	66	11	7	0	0	0
CO PUEBLO	91	58	98	50	73	-3	0.00	-0.50	0.00	4.78	117	8.49	111	77	22	4	0	0	0
CT BRIDGEPORT	82	69	84	67	75	1	0.00	-0.78	0.00	9.82	116	32.54	124	92	61	0	0	0	0
CT HARTFORD	86	66	88	63	76	3	0.00	-0.80	0.00	9.21	114	31.48	119	94	51	0	0	0	0
DC WASHINGTON	84	69	87	65	77	-3	0.34	-0.57	0.29	9.09	107	27.83	118	97	62	0	0	2	0
FL PANAMA CITY	89	75	90	72	82	1	-	-	-	-	-	-	-	99	68	3	0	-	-
FL DAYTONA BEACH	88	71	90	69	80	-1	0.00	-1.36	0.00	13.24	99	36.78	132	97	61	1	0	0	0
FL JACKSONVILLE	89	72	91	70	81	0	0.72	-0.45	0.44	17.82	137	30.40	102	97	60	3	0	2	0
FL KEY WEST	89	80	90	75	85	0	0.13	-0.91	0.13	6.55	66	14.91	71	87	69	2	0	1	0
FL MIAMI	90	78	91	75	84	1	0.23	-1.38	0.15	17.85	104	34.15	103	83	60	6	0	3	0
FL ORLANDO	91	74	92	72	82	0	1.20	-0.35	0.77	18.02	107	40.42	131	98	58	6	0	6	1
FL TALLAHASSEE	91	72	92	71	81	0	2.13	0.32	0.91	11.14	60	31.38	72	98	61	6	0	5	1
FL TAMPA	92	78	95	73	84	2	1.43	-0.30	0.90	12.83	87	29.12	108	94	63	6	0	4	1
FL WEST PALM BEACH	89	75	92	71	82	-1	1.14	-0.30	0.57	11.87	73	24.78	72	91	59	5	0	5	1
GA ATLANTA	90	72	93	69	81	2	1.81	0.72	1.56	6.33	64	30.13	89	90	57	4	0	2	1
GA AUGUSTA	87	71	90	70	79	-1	2.19	1.12	1.12	10.22	103	23.92	79	98	62	2	0	5	2
GA MACON	90	70	93	68	80	-1	0.24	-0.83	0.21	5.56	61	23.96	79	97	62	4	0	2	0
GA SAVANNAH	86	73	91	71	80	-2	2.85	1.10	1.22	7.96	54	19.38	60	97	66	1	0	4	2
HI HILO	85	68	87	65	76	0	0.87	-1.30	0.58	24.70	129	77.08	98	91	61	0	0	5	1
HI HONOLULU	90	75	91	72	82	1	0.11	0.00	0.08	0.97	76	8.84	72	77	50	5	0	2	0
HI KAHULUI	89	70	91	65	80	0	0.07	-0.04	0.07	0.78	98	13.58	103	78	53	1	0	1	0
HI LIHUE	-	75	-	71	-	-	-	-	-	-	-	-	-	80	64	-	-	-	-
ID BOISE	89	56	104	45	73	-2	0.00	-0.08	0.00	0.25	20	7.53	102	54	14	4	0	0	0
ID LEWISTON	90	58	108	53	74	-1	0.00	-0.17	0.00	0.98	45	11.41	145	58	18	4	0	0	0
ID POCATELLO	85	44	94	35	64	-6	0.00	-0.14	0.00	0.36	20	7.42	97	58	16	3	0	0	0
IL CHICAGO	87	66	98	59	77	4	0.86	0.01	0.59	9.93	113	22.93	107	87	47	3	0	3	1
IL MOLINE	88	67	95	58	77	3	0.04	-0.94	0.03	5.16	49	19.97	81	91	51	3	0	2	0
IL PEORIA	86	68	92	61	77	3	0.00	-0.70	0.00	6.42	70	20.82	92	89	54	3	0	0	0
IL QUINCY	87	68	92	61	77	2	-	-	-	-	-	-	-	94	53	3	0	-	-
IL ROCKFORD	84	65	90	58	75	2	1.99	1.05	1.34	16.67	167	33.87	152	96	56	1	0	3	2
IL SPRINGFIELD	87	66	93	54	76	2	0.00	-0.74	0.00	5.20	65	22.58	103	90	42	3	0	0	0
IN EVANSVILLE	88	66	91	57	77	-1	0.00	-0.80	0.00	8.70	92	38.38	129	94	51	4	0	0	0
IN FORT WAYNE	85	63	91	58	74	1	0.20	-0.59	0.20	13.63	167	29.68	136	91	50	2	0	1	0
IN INDIANAPOLIS	86	67	91	60	77	3	0.00	-0.89	0.00	9.46	102	32.70	128	87	50	2	0	0	0
IN SOUTH BEND	84	64	91	54	74	2	0.22	-0.61	0.20	14.07	154	30.73	131	90	51	2	0	2	0
IA DES MOINES	85	68	91	61	76	3	1.01	0.16	0.52	8.17	84	22.94	108	92	58	1	0	3	1
IA SIOUX CITY	83	62	90	58	72	-2	3.14	2.46	1.58	15.48	198	24.78	144	97	59	1	0	3	2
IA WATERLOO	84	63	94	53	74	2	0.39	-0.47	0.39	7.19	68	17.29	78	95	59	1	0	1	0
KS CONCORDIA	86	65	100	58	76	-3	1.31	0.51	1.04	3.41	37	14.30	73	91	51	2	0	3	1
KS DODGE CITY	86	66	93	63	75	-4	1.04	0.38	0.91	10.33	142	16.51	109	90	55	3	0	2	1
KS GOODLAND	84	59	95	54	72	-3	0.35	-0.09	0.29	8.37	125	14.80	110	94	48	1	0	3	0
KS TOPEKA	86	69	97	59	78	0	0.50	-0.35	0.36	12.34	120	23.90	107	89	57	2	0	2	0
KS WICHITA	89	71	98	64	80	0	1.51	0.72	1.48	6.00	59	13.85	62	87	48	4	0	2	1
KY BOWLING GREEN	88	67	98	60	77	0	0.9												

Weather Data for the Week Ending August 10, 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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL IN, SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	TEMP. °F		PRECIP.	
																		01 INCH OR MORE	05 INCH OR MORE		
ME CARIBOU	82	59	88	54	71	6	0.35	-0.59	0.35	10.42	126	25.97	125	98	48	0	0	1	0		
ME PORTLAND	81	61	85	58	71	2	0.02	-0.64	0.02	7.38	99	28.60	111	97	63	0	0	1	0		
MD BALTIMORE	83	63	86	60	73	-3	0.41	-0.48	0.41	8.93	103	31.20	124	99	59	0	0	1	0		
MD SALISBURY	85	61	86	56	73	-3	0.00	-1.23	0.00	11.61	119	34.54	124	100	50	0	0	0	0		
MA BOSTON	83	66	88	63	74	1	0.49	-0.23	0.25	6.30	91	26.44	107	94	60	0	0	2	0		
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
MI ALPENA	82	58	92	47	70	4	0.00	-0.78	0.00	6.28	89	13.61	79	93	55	1	0	0	0		
MI DETROIT	86	66	93	60	76	4	0.00	-0.77	0.00	3.35	42	14.72	74	88	47	2	0	0	0		
MI FLINT	86	62	95	53	74	4	0.00	-0.75	0.00	5.24	75	15.31	88	88	40	2	0	0	0		
MI GRAND RAPIDS	87	65	96	57	76	5	0.00	-0.76	0.00	7.59	95	17.73	87	85	39	2	0	0	0		
MI HOUGHTON LAKE	82	59	88	44	70	4	0.00	-0.73	0.00	9.37	141	17.91	110	92	49	0	0	0	0		
MI LANSING	86	62	95	52	74	4	0.77	0.03	0.77	6.74	96	16.31	92	94	45	2	0	1	1		
MI MARQUETTE	77	57	87	42	67	3	0.97	0.25	0.49	9.35	127	27.80	140	93	56	0	0	2	0		
MI MUSKOGON	85	62	91	55	74	4	0.00	-0.70	0.00	6.26	115	16.33	94	90	45	3	0	0	0		
MI SAULT ST. MARIE	75	55	83	44	65	1	0.32	-0.46	0.24	10.91	157	23.60	127	97	62	0	0	3	0		
MN ALEXANDRIA	80	60	90	50	70	-1	-	-	-	-	-	-	-	93	54	1	0	-	-		
MN DULUTH	75	58	83	49	67	1	2.19	1.31	1.57	15.01	173	21.27	118	95	63	0	0	4	1		
MN INT'L FALLS	77	56	88	45	66	0	1.38	0.67	0.78	8.98	105	16.31	107	96	55	0	0	4	1		
MN MINNEAPOLIS	82	63	94	53	73	0	0.97	0.12	0.51	7.83	89	14.46	78	93	54	1	0	4	1		
MN ROCHESTER	78	60	88	52	69	-1	1.19	0.29	0.59	9.45	102	17.96	96	93	60	0	0	4	1		
MS GREENWOOD	95	72	97	68	83	2	-	-	-	-	-	-	-	96	49	7	0	-	-		
MS JACKSON	90	71	93	69	80	-1	1.78	0.98	1.30	13.11	156	39.29	110	99	60	4	0	4	1		
MS MERIDIAN	90	70	91	68	80	-1	0.91	0.04	0.90	15.13	150	40.16	107	98	58	5	0	2	1		
MO CAPE GIRARDEAU	91	70	95	61	80	2	0.00	-0.77	0.00	5.47	68	25.11	86	91	46	5	0	0	0		
MO COLUMBIA	88	69	93	63	78	2	0.04	-0.65	0.04	4.80	56	23.13	98	91	55	3	0	1	0		
MO KANSAS CITY	86	70	92	64	78	1	0.25	-0.63	0.22	10.68	103	25.58	110	89	61	2	0	2	0		
MO SAINT LOUIS	89	70	96	63	80	1	0.01	-0.66	0.01	9.03	106	28.17	119	87	52	3	0	1	0		
MO SPRINGFIELD	91	67	97	59	79	2	0.59	-0.27	0.55	4.57	50	19.55	76	94	41	4	0	2	1		
MT BILLINGS	86	57	96	52	72	-1	0.00	-0.20	0.00	1.35	43	8.65	84	53	18	4	0	0	0		
MT GLASGOW	84	52	96	47	68	-3	0.04	-0.29	0.03	2.73	64	5.33	68	79	20	1	0	2	0		
MT GREAT FALLS	81	48	95	44	64	-4	0.00	-0.34	0.00	1.40	34	6.16	58	60	19	2	0	0	0		
MT HAVRE	85	51	95	45	68	-2	0.00	-0.28	0.00	3.91	111	8.06	104	68	17	3	0	0	0		
MT HELENA	82	46	97	42	64	-6	0.00	-0.28	0.00	2.60	79	7.24	92	70	20	3	0	0	0		
MT KALISPELL	75	48	90	39	61	-4	0.17	-0.13	0.17	2.44	86	15.44	149	95	47	1	0	1	0		
MT MILES CITY	87	55	98	49	71	-4	0.00	-0.26	0.00	1.46	31	10.09	101	63	20	3	0	0	0		
MT MISSOULA	80	44	97	39	62	-5	0.03	-0.23	0.02	2.99	98	11.24	127	89	29	3	0	2	0		
NE GRAND ISLAND	85	63	92	58	74	-2	1.15	0.53	0.44	9.08	120	22.09	129	94	48	2	0	5	0		
NE LINCOLN	86	64	94	56	75	-2	0.86	-0.08	0.44	8.07	99	23.46	128	97	52	2	0	3	0		
NE NORFOLK	84	62	92	56	73	-1	3.56	2.97	2.36	10.55	124	17.96	101	93	54	1	0	4	2		
NE NORTH PLATTE	84	58	90	52	71	-3	0.75	0.32	0.71	10.50	149	16.27	112	94	44	1	0	2	1		
NE OMAHA	85	66	92	59	76	0	1.34	0.62	0.70	6.72	80	21.42	112	96	57	1	0	4	1		
NE SCOTT'S BLUFF	86	54	91	46	70	-4	0.31	0.04	0.23	3.56	70	10.80	94	95	28	3	0	2	0		
NE VALENTINE	88	55	91	45	72	-3	0.29	-0.36	0.29	3.50	45	10.52	67	88	29	4	0	1	0		
NV ELY	88	42	94	35	65	-2	0.00	-0.17	0.00	0.31	17	4.76	75	71	8	3	0	0	0		
NV LAS VEGAS	102	78	106	74	90	0	0.00	-0.11	0.00	0.39	61	0.91	37	36	11	7	0	0	0		
NV RENO	91	48	99	43	70	-2	0.00	-0.06	0.00	0.91	115	7.28	156	75	16	4	0	0	0		
NV WINNEMUCCA	92	42	101	35	67	-5	0.00	-0.09	0.00	0.57	45	6.06	118	53	14	5	0	0	0		
NH CONCORD	86	63	89	60	74	5	0.00	-0.77	0.00	7.39	98	27.35	127	95	24	0	0	0	0		
NJ ATLANTIC CITY	84	62	87	56	73	-2	0.33	-0.63	0.33	9.23	117	28.90	116	97	52	0	0	1	0		
NM ALBUQUERQUE	86	64	91	62	75	-2	0.11	-0.28	0.10	-	-	4.52	90	64	26	4	0	2	0		
NM CLOVIS	86	64	93	61	75	-1	-	-	-	-	-	-	-	93	43	3	0	-	-		
NM ROSWELL	91	67	99	64	79	-1	-	-	-	-	-	-	-	91	38	4	0	-	-		
NY ALBANY	83	63	88	57	73	2	1.28	0.48	1.28	11.43	144	28.11	128	97	53	0	0	1	1		
NY BINGHAMTON	78	60	83	53	69	0	1.39	0.62	1.10	11.24	137	27.57	123	95	58	0	0	2	1		
NY BUFFALO	82	64	87	57	73	3	1.10	0.17	1.10	12.31	155	29.02	133	89	52	0	0	1	1		
NY NEW YORK	84	70	87	69	77	1	0.00	-0.87	0.00	9.35	105	26.70	102	91	57	0	0	0	0		
NY ROCHESTER	82	61	92	53	72	3	2.19	1.43	2.19	11.81	173	27.09	145	96	52	2	0	1	1		
NY SYRACUSE	83	62	90	54	72	3	1.12	0.32	0.77	8.72	100	23.02	101	92	51	1	0	2	1		
NC ASHEVILLE	81	64	86	60	73	-1	1.60	0.23	0.93	10.11	88	27.95	81	98	65	0	0	4	1		
NC CHARLOTTE	86	69	89	67	77	-2	0.22	-0.63	0.11	6.12	72	24.00	88	94	61	0	0	3	0		
NC GREENSBORO	83	67	87	64	75	-2	2.39	1.47	1.99	8.30	86	27.31	102	99	63	0	0	3	1		
NC HATTERAS	83	70	86	68	77	-2	2.93	1.58	2.29	18.49	168	-	-	97	70	0	0	4	2		
NC NEW BERN	88	71	92	68	80	0	0.07	-1.48	0.07	15.55	106	32.71	93	99	55	2	0	1	0		
NC RALEIGH	83	67	88	64	75	-3	0.80	-0.14	0.59	11.84	131	29.03	109	98	69	0	0	3	1		
NC WILMINGTON	86	70	88	66	78	-2	0.85	-0.75	0.61	24.12	170	38.43	110	95	60	0	0	3	1		
ND BISMARCK	83	64	88	47	69	-2	0.09	-0.32	0.09	7.78	144	12.72	115	87	36	0	0	1	0		
ND FARGO	81	58	87	47	70	-1	2.02	1.45	2.02	4.46	70	9.54	74	90	44	0	0	1	1		
ND GRAND FORKS	80	58	86	47	69	0	0.03	-0.52	0.03	4.99	79	10.45	87	92	43	0	0	1	0		
ND WILLISTON	82	52	91	42	67	-4	0.03	-0.27	0.03	5.23	108	8.48	87	82	26	1	0	1	0		
OH AKRON-CANTON	82	-	89	-	-	-	0.88	0.10	0.88	10.80	126	25.35	110	89	56	0	0	1	1		
OH CINCINNATI	87	65	92	56	76	2	0.30	-0.50	0.30	8.17	89	36.62	136	91	51	3	0	1	0		
OH CLEVELAND	84	65	90	60	74	3	0.32	-0.45	0.32	7.39	89	22.18	100	89	50	2	0	1	0		
OH COLUMBUS	86	67	91	61	76	5	1.39	0.57	1.39	10.29	118	32.73	138	88	51	2	0	1	1		
OH DAYTON	86	65	94	58	78	2	0.00	-0.76	0.00	10.87	129	37.19	158	86	50	2	0	0	0		

Based on 1961-90 normals

Weather Data for the Week Ending August 10, 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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN. SINCE Jun 1	PCT. NORMAL SINCE Jun 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMP. °F		PRECIP.	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
TOLEDO	86	64	93	59	75	4	0.40	-0.34	0.40	6.79	84	19.78	98	91	49	2	0	1	0
YOUNGSTOWN	82	59	88	51	71	1	0.74	-0.02	0.74	7.79	96	24.57	106	97	66	0	0	1	1
OK OKLAHOMA CITY	89	72	93	89	81	-2	0.48	-0.05	0.23	17.18	227	23.35	111	94	60	4	0	3	0
TULSA	91	73	96	86	82	-1	0.61	-0.02	0.57	6.55	79	12.78	62	86	51	6	0	3	1
OR ASTORIA	68	52	79	48	60	-1	0.12	-0.13	0.12	3.94	103	46.30	128	97	67	0	0	1	0
BURNS	86	40	100	30	63	-3	0.00	-0.14	0.00	0.68	48	7.86	135	68	14	3	1	0	0
MEDFORD	96	55	107	46	75	2	0.00	-0.10	0.00	0.52	55	14.61	152	76	18	5	0	0	0
PENDLETON	90	56	104	46	73	0	0.00	-0.11	0.00	0.52	45	8.80	125	59	18	4	0	0	0
PORTLAND	86	60	98	54	73	4	0.10	-0.11	0.09	1.52	64	32.08	163	72	26	4	0	2	0
SALEM	87	54	99	47	71	3	0.00	-0.14	0.00	1.83	89	35.25	168	88	30	4	0	0	0
PA ALLENTOWN	83	62	87	80	73	-1	0.14	-0.82	0.14	11.56	125	31.74	120	93	56	0	0	1	0
ERIE	82	66	88	56	74	3	0.89	0.02	0.89	12.34	141	29.05	126	86	55	0	0	1	1
HARRISBURG	84	68	88	64	76	1	0.37	-0.37	--	14.08	166	33.43	133	95	54	0	0	--	--
PHILADELPHIA	85	66	91	65	76	1	0.21	-0.68	0.21	11.96	118	29.43	103	94	53	1	0	1	0
PITTSBURGH	84	62	88	54	73	1	1.28	0.53	1.28	12.42	146	30.56	129	96	52	0	0	1	1
SCRANTON	81	61	85	54	71	0	0.11	-0.65	0.11	10.04	113	29.67	132	95	57	0	0	1	0
RI PROVIDENCE	82	65	86	61	74	1	0.00	-0.81	0.00	8.02	104	26.06	96	94	59	0	0	0	0
SC CHARLESTON	87	71	89	68	79	-2	1.76	0.06	1.22	13.77	87	24.55	73	96	65	0	0	5	1
COLUMBIA	88	72	91	70	80	-1	0.04	-1.39	0.02	5.33	43	21.06	64	96	58	3	0	3	0
FLORENCE	88	71	91	66	79	-1	0.00	-1.22	0.00	9.49	81	20.25	70	100	57	3	0	0	0
SD GREENVILLE	85	70	87	66	77	-1	0.34	-0.57	0.26	7.80	73	32.87	99	97	66	0	0	2	0
ABERDEEN	83	57	86	46	70	-2	0.00	-0.69	0.00	6.09	80	13.81	94	93	45	0	0	0	0
HURON	85	60	87	52	73	-1	1.08	0.61	1.02	5.76	86	12.70	88	92	51	0	0	3	1
SD RAPID CITY	88	54	94	46	71	-1	0.69	0.29	0.69	2.44	43	14.40	118	88	22	3	0	1	1
SIoux FALLS	84	62	92	57	73	0	1.58	0.96	0.98	4.07	59	11.88	77	97	54	1	0	4	1
TN CHATTANOOGA	87	68	90	60	78	-1	0.03	-0.79	0.03	9.06	95	33.93	99	94	55	1	0	1	0
KNOXVILLE	87	68	89	61	78	1	0.00	-0.76	0.00	8.18	84	32.60	105	93	55	0	0	0	0
MEMPHIS	91	72	95	65	81	-1	0.42	-0.36	0.42	20.47	242	43.56	134	90	51	5	0	1	0
NASHVILLE	88	70	90	62	79	0	0.59	-0.21	0.57	10.36	119	30.09	99	93	56	1	0	3	1
TX ABILENE	94	74	103	89	84	0	2.41	1.82	1.48	5.79	101	12.26	86	80	41	5	0	3	2
AMARILLO	87	67	94	61	77	-1	3.04	2.30	1.00	10.90	149	13.13	101	87	48	3	0	4	3
AUSTIN	99	76	101	74	88	2	0.00	-0.41	0.00	4.56	73	9.52	49	89	33	7	0	0	0
BEAUMONT	92	75	93	74	83	0	1.52	0.36	1.20	14.14	112	21.36	64	100	67	7	0	2	1
BROWNSVILLE	95	77	98	74	86	1	0.67	0.21	0.51	1.32	25	2.12	17	92	50	7	0	2	1
TX CORPUS CHRISTI	96	76	99	74	86	1	0.01	-0.60	0.01	1.48	22	4.33	26	93	49	7	0	1	0
DEL RIO	100	77	103	75	88	5	0.20	-0.37	0.10	0.28	5	2.51	17	76	31	7	0	2	0
EL PASO	91	70	96	67	81	0	0.12	-0.24	0.12	4.99	180	5.77	131	69	28	5	0	1	0
FORT WORTH	96	77	101	74	87	3	0.06	-0.34	0.05	7.31	122	14.11	63	86	45	6	0	2	0
GALVESTON	90	80	92	75	85	1	1.32	0.40	1.08	2.99	31	7.72	33	83	61	4	0	3	1
HOUSTON	96	73	98	71	84	1	2.96	2.13	2.88	10.05	86	15.30	49	97	52	6	0	3	1
LUBBOCK	92	69	96	64	80	1	0.14	-0.41	0.10	5.20	88	8.06	72	81	38	4	0	3	0
MIDLAND	93	72	99	68	83	2	1.11	0.78	0.74	3.13	89	4.66	58	75	36	5	0	4	1
TX SAN ANGELO	97	72	103	70	85	2	0.23	-0.11	0.15	2.19	58	7.25	64	79	36	6	0	2	0
SAN ANTONIO	99	77	102	74	88	2	0.00	-0.52	0.00	3.39	51	5.80	31	84	33	7	0	0	0
VICTORIA	96	74	99	72	85	2	0.04	-0.68	0.03	6.77	69	10.11	40	96	39	7	0	2	0
WACO	99	77	102	73	88	1	0.37	0.06	0.37	5.17	92	11.01	56	86	35	7	0	1	0
WICHITA FALLS	98	75	106	68	87	3	1.94	1.45	1.28	5.51	88	9.46	54	83	37	7	0	4	1
UT CEDAR CITY	91	55	96	50	73	-1	0.00	-0.33	0.00	2.91	145	7.81	114	42	14	4	0	0	0
SALT LAKE CITY	90	59	98	51	75	-3	0.00	-0.17	0.00	0.52	26	11.41	111	49	14	4	0	0	0
VT BURLINGTON	83	63	89	54	73	4	0.12	-0.82	0.09	9.64	114	27.74	138	91	50	0	0	2	0
VA NORFOLK	82	69	85	67	75	-3	0.00	-1.13	0.00	14.56	138	35.14	123	95	68	0	0	0	0
RICHMOND	83	66	85	63	74	-4	0.32	-0.74	0.32	11.55	113	26.13	96	97	40	0	0	1	0
ROANOKE	85	66	87	64	76	0	2.39	1.43	2.09	12.88	152	32.16	129	96	57	0	0	4	1
WA QUILLAYUTE	71	52	82	47	61	2	0.02	-0.50	0.02	3.33	52	50.93	88	88	55	0	0	1	0
SEATTLE-TACOMA	80	56	89	52	68	2	0.01	-0.21	0.01	2.60	102	27.76	142	86	37	0	0	1	0
SPOKANE	84	52	99	44	68	-2	0.03	-0.14	0.03	2.34	109	12.81	131	78	23	3	0	1	0
WV YAKIMA	91	52	111	44	71	1	0.00	-0.08	0.00	0.36	46	5.51	126	73	21	4	0	0	0
BECKLEY	81	62	84	57	71	2	2.27	1.46	1.68	14.05	145	36.70	138	97	59	0	0	4	2
CHARLESTON	96	65	99	59	76	1	0.13	-0.84	0.08	12.77	127	36.94	137	98	53	0	0	2	0
WV HUNTINGTON	87	66	92	61	77	3	0.76	-0.24	0.62	11.54	116	35.98	131	96	57	2	0	2	1
PARKERSBURG	85	62	90	52	74	0	0.26	-0.70	0.26	11.17	116	32.67	121	100	51	2	0	1	0
WI GREEN BAY	81	60	88	52	71	2	0.49	-0.28	0.26	8.57	113	17.52	102	95	60	0	0	3	0
LACROSSE	85	64	95	55	74	2	1.08	0.20	--	9.43	105	18.37	98	94	47	1	0	--	--
MADISON	82	62	88	52	72	1	1.38	0.53	1.08	13.42	151	23.18	117	93	59	0	0	3	1
MILWAUKEE	84	67	92	58	75	5	0.93	0.13	0.74	6.95	88	15.45	77	89	53	3	0	2	1
WY WAUSAU	80	62	88	54	71	2	0.87	-0.09	0.77	13.93	150	22.43	115	95	52	0	0	2	1
CASPER	84	45	89	34	65	-6	0.00	-0.16	0.00	2.15	73	6.87	76	71	18	0	0	0	0
WY CHEYENNE	80	51	82	42	65	-3	0.26	-0.15	0.24	5.34	113	11.18	108	83	28	0	0	2	0
LANDER	84	53	91	46	69	-2	0.00	-0.11	0.00	0.49	21	6.31	70	50	12	2	0	0	0
PR SHERIDAN	85	49	94	43	67	-3	0.17	0.00	0.17	1.79	54	8.85	90	74	23	4	0	1	0
PR SAN JUAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Based on 1961-90 normals

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

National Agricultural Summary

August 5 - 11, 1996

HIGHLIGHTS

Warmer weather over the Corn Belt and scattered rains pushed development of row crops to near-normal levels. In the western Corn Belt, heavy rains early in the week caused localized flooding. The much-needed moisture prevented a decline in row-crop conditions, but some dry pockets were missed. Producers in the Midwest remained concerned with the prospect of an early fall frost arriving before late-planted crops reach maturity. Warmer weather over the Great Lakes region spurred crop development but increased plant requirements for soil moisture. High temperatures and low soil moisture supplies in the northern Rocky Mountains provided ideal harvesting weather for small grains but pushed the region to near-drought levels. Insect pressure in the central Plains and western Corn Belt remained light, but producers were monitoring

fields for insect activity. Hot, dry weather in the Western States combined with windy conditions triggered destructive forest fires. Thunderstorms over the upper Great Plains delivered moisture that was needed, but also brought hail and high winds that damaged some crops. Warm, dry weather over North Dakota gave producers excellent harvest conditions and accelerated late-seeded crop development. Widespread showers over the Southeast brought moisture that improved or held crop conditions stable in many areas, but some localities remained dry. The wet conditions over the Southeast improved range and pasture conditions but slowed harvest activity. The recent wet weather compelled row-crop producers to scout fields for increased insect activity and to spray insecticides where needed.

Wheat harvested for the 19 major producing States was 92 percent (%) complete, up 5 percentage points from the previous week. Hot, dry weather in Montana pushed the wheat harvest to 47% complete, up 32 points from the previous week and 21 points ahead of the 5-year average. The wheat harvest advanced 31 points in South Dakota from last week, 3 points ahead of the average.

Spring wheat condition was mostly good to fair, with 12% of the acreage harvested, 4 points behind the average. Condition remained mostly unchanged in the major producing States.

Corn was in mostly good to fair condition, with 88% of the acreage in the silking stage or beyond. Corn silking for the 17 major producing States was up 16 points from the previous week, but 3 points behind the average. Corn silking in Ohio, at 76% complete, was up 38 points from the previous week, but 21 points behind the average. In Indiana, silking was approximately 14 days behind normal. In Michigan, corn silking increased by 38 points from last week but remained 16 points behind the average. Michigan's European corn borers attacked alternative crops since corn development was later than normal.

Cotton setting bolls was 96% complete, up 9 points from last week and 10 points ahead of the average. Cotton condition was mostly good to fair for the 14 major producing States, with slight improvement in the Southeast due to recent rains. Cotton setting bolls in Texas at 92% complete was ahead of normal by 20 points. Cotton producers irrigated fields and sprayed for bollworms and boll weevils. Cotton in California was treated for aphids, armyworms, lygus, and mites in the San Joaquin Valley and in the desert whitefly. Spraying was required in Texas, where insect and disease problems increased during the week. Some central Texas cotton fields stressed by dry conditions shedded bolls. Moisture

and warm weather in the Texas High Plains advanced development rapidly, with cotton opening bolls ahead of the average by 2 points. In Arizona, cotton bolls opening at 43% complete was 17 points ahead of normal.

Rice headed for the five major producing States was 80% complete, up 16 points from the previous week and 1 point ahead of normal. Rice condition rated good to excellent totaled 78 points. Rice headed in California at 50% complete was up 30 points from last week and 26 points ahead of the average. In Arkansas, rice fields were drained in preparation for harvest. Rice harvest at 12% complete was 3 points ahead of normal for the five major producing States. In Louisiana, rice harvesting was hindered by wet conditions.

Sorghum condition was mostly good to fair with sorghum headed at 74% complete, up 22 points from the previous week, and 13 points ahead of the average. In Illinois, sorghum headed at 30% complete was 36 points behind normal. Sorghum turning color at 24% complete was 3 points behind the average, but ahead of the average for the Delta States. In Louisiana, insect activity remained light. Sorghum development was slowed in Texas by cool, wet weather, but the moisture aided many sorghum fields.

Soybeans blooming was 82% complete, up 13 points from last week and 5 points below the average. Soybeans were in mostly good to fair condition. The percentage of acreage blooming lagged the average by at least 20 points in the eastern Corn Belt. Soybean producers in the Midwest closely monitored the crop's development and remained concerned by its lateness. In Indiana, soybeans blooming remained 18 days behind normal. Grasshoppers were reported in the western Corn Belt's soybean fields. Soybean growers in the Delta sprayed for aerial blight and bean leaf beetles.

Crop Progress and Condition

Week Ending August 11, 1996

Winter Wheat Percent Harvested				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	99	99
CO	99	96	97	96
GA	100	100	100	100
ID	39	21	22	36
IL	99	98	100	99
IN	100	98	100	100
KS	100	100	100	99
MI	98	70	99	97
MO	100	100	100	99
MT	47	15	12	26
NE	99	95	98	98
NC	100	100	100	100
OH	100	99	100	99
OK	100	100	100	100
OR	59	40	75	69
SD	89	58	98	86
TX	100	100	100	100
WA	42	27	49	59
ALL	92	87	91	92

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

Soybeans Percent Blooming				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AL	68	59	74	67
AR	77	67	72	67
GA	71	65	81	79
IL	75	63	85	93
IN	73	51	91	96
IA	92	85	95	93
KS	93	88	59	82
KY	60	50	68	75
LA	99	94	94	85
MI	55	35	98	90
MN	95	83	98	92
MS	94	87	92	79
MO	78	63	50	76
NE	97	91	84	92
NC	53	40	57	58
OH	74	52	99	98
SC	64	51	60	62
SD	90	65	82	79
TN	76	58	74	70
ALL	82	69	84	87

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

Corn Percent Silking				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
CO	91	79	56	75
GA	100	100	100	100
IL	89	77	94	98
IN	78	55	95	98
IA	93	77	93	90
KS	100	100	85	96
KY	94	80	85	75
MI	70	32	90	86
MN	96	81	98	91
MO	97	91	70	90
NE	97	90	82	92
NC	100	98	100	99
OH	76	46	93	97
PA	85	67	85	79
SD	72	47	66	75
TX	100	98	99	98
WI	64	37	92	78
ALL	88	72	90	91

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

Rice Percent Headed				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AR	81	62	73	66
CA	50	20	15	24
LA	87	80	89	84
MS	88	81	87	70
TX	100	97	93	90
ALL	80	64	71	68

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

Rice Percent Harvested				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AR	8	NA	0	0
CA	0	NA	0	0
LA	25	NA	33	31
MS	0	NA	0	0
TX	32	NA	21	26
ALL	12	NA	9	9

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

Cotton Percent Setting Bolls				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AL	91	87	99	93
AZ	100	99	97	99
AR	100	100	99	98
CA	100	100	92	95
GA	99	98	98	99
LA	100	100	100	98
MS	100	100	100	97
MO	100	100	98	97
NM	98	95	87	88
NC	90	82	90	86
OK	89	78	64	73
SC	98	91	89	92
TN	100	100	99	98
TX	92	72	76	72
ALL	96	87	88	86

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

Cotton Percent Bolls Opening				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AL	3	NA	2	3
AZ	43	NA	22	26
AR	3	NA	0	1
CA	5	NA	2	3
GA	10	NA	14	5
LA	12	NA	15	6
MS	11	NA	5	3
MO	2	NA	0	0
NM	10	NA	0	1
NC	6	NA	2	2
OK	3	NA	0	1
SC	2	NA	1	1
TN	0	NA	0	1
TX	17	NA	16	15
ALL	11	NA	10	8

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

Barley Percent Harvested				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
ID	17	6	10	23
MN	20	7	18	32
MT	7	1	4	11
ND	9	2	10	25
SD	40	16	47	60
WA	31	12	24	45
ALL	13	4	11	24

These 6 States produced 82% of the 1995 barley crop.

Crop Progress and Condition

Week Ending August 11, 1996

Sorghum Percent Headed				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AR	93	86	94	87
CO	45	18	5	31
IL	30	5	14	66
KS	78	49	19	44
LA	100	98	96	95
MS	97	95	96	91
MO	66	53	45	69
NE	57	19	23	55
NM	15	4	26	42
OK	56	50	37	51
SD	53	17	38	40
TX	90	78	90	85
ALL	74	52	45	61

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

Sorghum Percent Coloring				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
AR	54	48	31	43
CO	0	0	0	0
IL	0	0	0	14
KS	8	5	0	5
LA	84	54	67	65
MS	81	59	60	58
MO	14	6	9	22
NE	0	0	0	4
NM	1	0	0	3
OK	24	19	7	14
SD	8	5	4	3
TX	60	58	75	70
ALL	24	22	24	27

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

Oats Percent Harvested				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
IA	93	72	94	92
MI	30	20	54	42
MN	55	20	40	51
NE	97	82	89	92
ND	8	1	7	19
OH	72	45	78	80
PA	50	40	61	65
SD	56	28	56	67
WI	32	9	52	43
ALL	46	26	49	53

These 9 States produced 56% of the 1995 oat crop.

Spring Wheat Percent Harvested				
	Aug 11 1996	Prev Week	Prev Year	5-Yr Avg
ID	14	NA	5	20
MN	34	NA	28	25
MT	7	NA	3	6
ND	6	NA	7	14
SD	28	NA	37	46
ALL	12	NA	11	18

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

Sorghum Crop Condition by Percent					
	VP	P	F	G	EX
AR	4	14	34	42	6
CO	0	1	12	62	25
IL	8	20	37	29	6
KS	1	3	15	63	18
LA	0	1	23	58	18
MS	0	3	22	52	23
MO	0	6	36	47	11
NE	0	1	17	65	17
NM	5	20	42	32	1
OK	0	1	7	89	3
SD	0	2	21	57	20
TX	7	15	38	30	10
ALL	3	7	25	51	14
Prev Wk	2	7	25	52	14
Prev Yr	1	6	28	56	9

Oats Crop Condition by Percent					
	VP	P	F	G	EX
IA	0	3	29	55	13
MI	2	10	33	44	11
MN	1	4	30	58	7
NE	0	2	26	67	5
ND	0	7	37	51	5
OH	5	11	41	31	12
PA	0	4	31	56	9
SD	0	1	18	65	16
WI	0	6	26	55	13
ALL	0	5	30	55	10
Prev Wk	0	4	30	57	9
Prev Yr	NA	NA	NA	NA	NA

Peanuts Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	3	32	64	1
FL	0	0	0	57	43
GA	2	10	38	45	5
NC	0	0	24	66	10
OK	0	5	31	58	6
SC	1	4	16	75	4
TX	1	13	30	49	7
VA	0	1	5	40	54
ALL	1	7	30	52	10
Prev Wk	3	8	26	54	9
Prev Yr	NA	NA	NA	NA	NA

Barley Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	4	16	52	28
MN	0	18	31	45	6
MT	4	18	43	29	6
ND	1	4	26	60	9
SD	0	1	18	75	6
WA	0	1	17	63	19
ALL	1	9	28	51	11
Prev Wk	2	7	30	50	11
Prev Yr	NA	NA	NA	NA	NA

Rice Crop Condition by Percent					
	VP	P	F	G	EX
AR	0	2	18	56	24
CA	0	0	10	80	10
LA	0	3	29	60	8
MS	0	6	23	60	11
TX	0	5	11	52	32
ALL	0	3	19	60	18
Prev Wk	0	3	20	61	16
Prev Yr	0	2	19	63	16

Spring Wheat Crop Condition by Percent					
	VP	P	F	G	EX
ID	0	3	12	45	40
MN	0	8	36	50	6
MT	4	18	52	21	5
ND	1	6	30	57	6
SD	0	2	19	53	26
ALL	1	9	35	47	8
Prev Wk	2	9	33	48	8
Prev Yr	3	8	29	51	9

Crop Progress and Condition

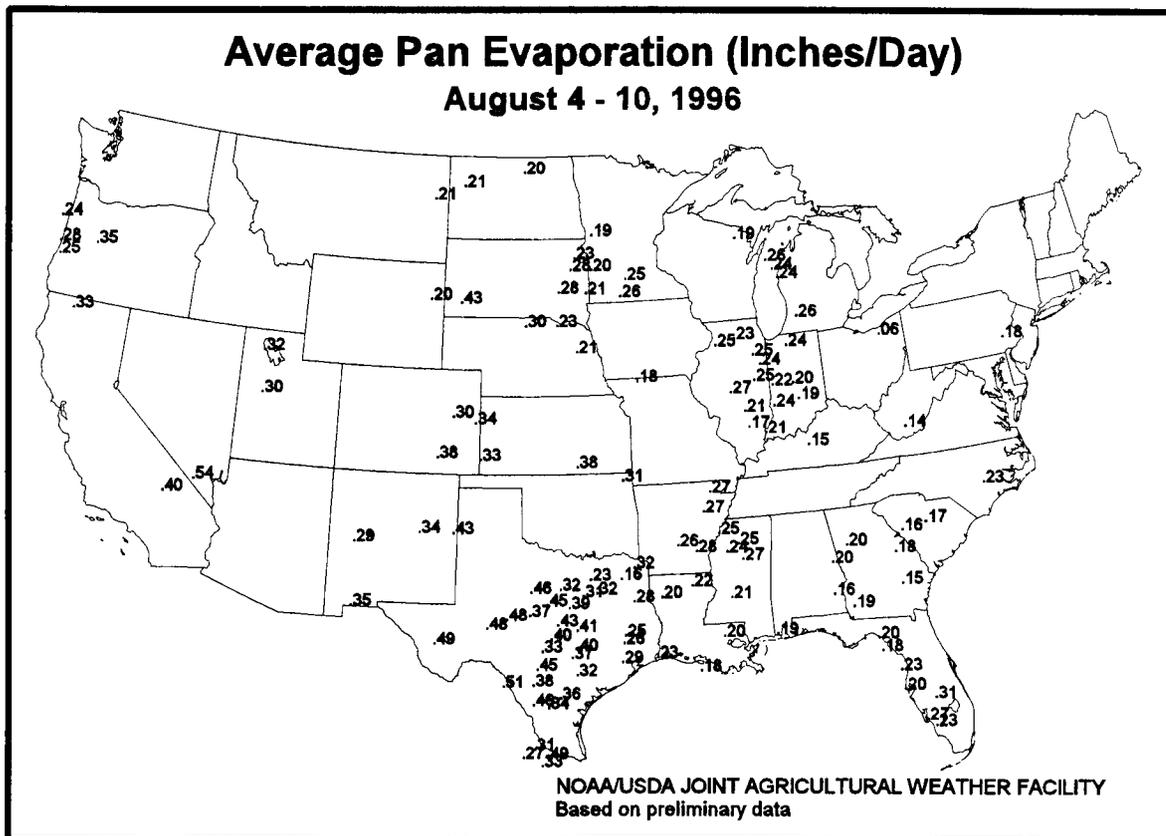
Week Ending August 11, 1996

Soybeans Crop Condition by Percent					
	VP	P	F	G	EX
AL	0	2	22	63	13
AR	3	11	27	45	14
GA	3	7	37	48	5
IL	4	15	41	34	6
IN	3	13	41	37	6
IA	1	7	24	54	14
KS	0	4	20	55	21
KY	1	3	16	58	22
LA	0	2	23	67	8
MI	5	14	24	48	9
MN	1	7	34	51	7
MS	1	5	24	54	16
MO	0	9	40	42	9
NE	0	3	15	65	17
NC	1	3	20	68	8
OH	4	14	42	33	7
SC	1	3	18	66	12
SD	0	2	21	53	24
TN	0	3	20	56	21
ALL	2	9	31	47	11
Prev Wk	3	9	31	47	10
Prev Yr	1	8	29	51	11

Corn Crop Condition by Percent					
	VP	P	F	G	EX
CO	3	4	10	61	22
GA	3	17	31	42	7
IL	5	10	33	43	9
IN	2	10	36	45	7
IA	1	5	17	56	21
KS	2	3	14	58	23
KY	1	4	19	55	21
MI	7	16	33	37	7
MN	1	6	30	53	10
MO	0	9	29	45	17
NE	0	3	13	60	24
NC	5	12	34	45	4
OH	4	16	41	33	6
PA	1	2	13	54	30
SD	0	2	15	56	27
TX	16	21	18	24	21
WI	3	9	26	50	12
ALL	3	8	25	48	16
Prev Wk	3	8	27	47	15
Prev Yr	1	6	27	52	14

Cotton Crop Condition by Percent					
	VP	P	F	G	EX
AL	1	1	11	55	32
AZ	1	5	6	63	25
AR	0	8	23	51	18
CA	0	0	0	45	55
GA	2	8	32	49	9
LA	0	2	28	49	21
MS	1	5	23	50	21
MO	0	4	29	52	15
NM	0	2	23	49	26
NC	1	2	12	69	16
OK	0	8	28	57	7
SC	0	2	24	64	10
TN	0	1	23	57	19
TX	7	25	29	24	15
ALL	3	12	24	42	19
Prev Wk	3	10	25	46	16
Prev Yr	1	7	32	49	11

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



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/ocel/waob/jawf>.

ALABAMA: Days suitable for fieldwork 4.9. Topsoil 8% short, 77% adequate, 15% surplus. Corn 87% dented, 95% 1995, 87% avg.; 49% mature, 65% 1995, 52% avg.; 10% poor, 33% fair, 52% good, 5% excellent. Livestock 3% poor, 33% fair, 58% good, 6% excellent. Showers were frequent, widespread in most areas. Few dry spots remained in the peanut belt. Row crop producers were busy scouting, spraying insects in response to recent wet weather. Maintenance, repair of harvest equipment was underway in preparation for harvest.

ALASKA: Days was available for harvesting hay 1. Topsoil 15% short, 85% adequate. Subsoil 30% short, 70% adequate First crop hay harvest was 95% completed with 90% 1995. Barley 70% in dough, 30% turning color. Last year barley 85% ripe, 5% swathed. Oats 90% in dough, 10% turning color.

ARIZONA: Insect pressure in cotton increasing; control mostly effective. Alfalfa harvest 3% light, 55% moderate, 15% active, 27% not being harvested; 3% poor, 25% fair, 64% good, 8% excellent. Central vegetable growers harvested cantaloupe, honeydew, specialty melons. Eastern growers harvested tomatoes. Chili pepper harvest will begin this week in Eastern areas. Apple harvest underway in Eastern parts of State. Lemon harvest began in Western areas, will start in Central portions of State this week.

ARKANSAS: Days suitable for fieldwork 6. Soil moisture 4% very short, 27% short, 68% adequate, 1% surplus. Main farming activities: Irrigating soybeans, cotton, fertilizing cotton, scouting, draining rice fields, harvesting corn, sorghum, hay. Soybean irrigation continued in several counties. Treatment for worm infestation carried on in soybeans in numerous counties. Cotton irrigation, fertilization were reported by many counties. Cotton continued to suffer from boll worms, boll weevils infestations in several counties. Cotton was sprayed for plant bugs in numerous counties. Cotton producer sprayed for armyworms in Lee County. Rice scouting continued in many counties. Rice was treated for blast in Craighead County. Treatment of stinkbugs in rice was reported by Poinsett and Lee Counties. Rice fields were being drained in preparation for harvest in numerous counties. Corn, sorghum harvests were underway in a several counties. Some late sorghum suffered from midge problems in Craighead County. Grape harvest proceeded in White County. Livestock were in good condition statewide. Hay harvest continued.

CALIFORNIA: Field activities progressed normally under clear skies in most areas. Small grain harvest was virtually complete, except at higher elevations. Small grain stubble was baled for straw or burned. Rice fields were sprayed for weeds. Head development continued. Cotton was treated for aphids, armyworms, lygus, mites in the San Joaquin Valley, whitefly in the desert counties. Alfalfa was sprayed for aphids, armyworms. Corn silage, safflower, seed alfalfa, sugar beets were harvested in the San Joaquin Valley. Clover seed was harvested in the Sacramento Valley. Black eye beans, sunflowers were drying for harvest. Garbanzo bean harvest was complete in most areas. Second crop plantings of corn grew rapidly in the hot weather. Alfalfa, Sudan grass were cut for hay or green chopped. Harvest of table grapes continued in the Central Valley. Parlayed, Flame Seedless, Superior Seedless, Thompson Seedless were the primary varieties harvested. Harvests of nectarines, plums, freestone, clingstone peaches was active. Harvest of Gala variety apples continued in the San Joaquin Valley. Almond harvest was underway in the San Joaquin Valley. Black Mission, Calmyrna, Kadota figs were harvested for fresh market. Walnuts were sprayed for codling moth, mites. Asian pears were

picked in the San Joaquin Valley. Bartlett pear harvest continued. Valencia orange harvesting was slow paced. Lemon, grapefruit harvesting continued. Orange, lemon trees were treated for scale. Some strawberry fields were fumigated in preparation for planting. Cauliflower and broccoli were harvested in Monterey, San Louis Obispo counties. Hot weather caused some processing tomatoes to sunburn. Picking was in full swing. Harvesting of cantaloupe, honeydew melons was declining. Watermelons were picked, packed. Incentral areas the potato harvest continued. Sweetpotato harvest continued in Merced County. Fall crop lettuce fields were planted in Fresno County. Other crops harvested included: eggplant, onions, parsley, green beans, garlic, sweet corn. High temperatures continued to stress all livestock. Rangeland pastures were very dry at lower elevations, mountain pastures were rapidly drying. Supplemental feeding was on the increase as quantity, quality of forage declined.

COLORADO: Days suitable for fieldwork 6.3. Topsoil 8% very short, 37% short, 52% adequate, 3% surplus. Subsoil 7% very short, 21% short, 70% adequate, 2% surplus. Spring barley 36% harvested, 8% 1995, 26% avg.; 9% poor, 23% fair, 56% good, 12% excellent. Oats 97% turning color, 64% 1995, 77% avg.; 55% harvested, 24% 1995, 41% avg. Dry onions 11% harvested, 2% 1995, 7% avg.; 1% very poor, 5% poor, 12% fair, 74% good, 8% excellent. Spring wheat 42% harvested, 22% 1995, 24% avg.; 3% very poor, 10% poor, 17% fair, 62% good, 8% excellent. Corn 32% dough, 0% 1995, 17% avg. Sugar beets 3% very poor, 4% poor, 30% fair, 51% good, 12% excellent. Summer potatoes 17% harvested, 0% 1995, 13% avg.; 1% very poor, 5% poor, 10% fair, 69% good, 15% excellent. Fall potatoes 5% poor, 10% fair, 75% good, 10% excellent. Dry beans 98% flowered, 66% 1995, 69% avg.; 4% very poor, 10% poor, 11% fair, 55% good, 20% excellent. Alfalfa hay 86% 2nd cutting, 75% 1995, 64% avg.; 11% 3rd cutting, 0% 1995, 5% avg.; 2% very poor, 4% poor, 21% fair, 60% good, 13% excellent.

DELAWARE: Days suitable for fieldwork 5.3. Topsoil 12% short, 76% adequate, 12% surplus. Subsoil 93% adequate, 7% surplus. Corn 3% poor, 12% fair, 65% good, 20% excellent; 95% silked, 99% 1995, 98% avg.; 48% dough, 60% 1995, 45% avg.; 19% dent, 31% 1995, 15% avg.; 5% mature, 1% 1995, 1% avg.; 5% harvested for silage, 4% 1995, 3% avg. Sorghum 2% fair, 89% good, 9% excellent; 88% headed, 52% 1995, 53% avg.; 5% turning color, 1% 1995, 3% avg. Soybeans 4% poor, 26% fair, 67% good, 3% excellent; 47% bloomed, 66% 1995 and 64% avg, 20% setting pods, 33% 1995, 20% avg. Sweet corn 56% harvested, 62% 1995, 66% avg. Potatoes 63% harvested, 72% 1995, 52% avg. Tomatoes 45% harvested, 46% 1995, 44% avg. Cantaloupe 61% harvested, 63% 1995, 63% avg. Watermelons 52% harvested, 38% 1995, 46% avg. Apples 8% fair, 90% good, 2% excellent; 14% harvested, 8% 1995, 10% avg. Peaches 8% fair, 92% good; 58% harvested, 54% 1995, 56% avg. Alfalfa hay 96% 2nd cutting, 100% 1995, 100% avg.; 45% 3rd cutting, 62% 1995, 64% avg. Other hay 92% 2nd cutting, 100% 1995, 94% avg.; 44% 3rd cutting, 45% 1995, 25% avg. Hay supplies 10% short, 87% adequate, 3% surplus.

FLORIDA: Topsoil mostly adequate to surplus in Panhandle, northern Peninsula, short to adequate in central, southern Peninsula. Tobacco harvest winding down. Tobacco marketing active. Corn for grain harvest starting. Haying active. Peanuts good 57%, excellent 43%. Fall vegetable planting gaining momentum with progress delayed in some localities due to frequent showers. Palmetto-Ruskin growers started planting most fall acreage as harvest of summer squash continues. East Coast growers planting eggplant, peppers. Dade County growers to begin okra planting for fall harvest over next 7 to 10

days with harvest of summer crop okra nearing the end. Southwestern producers preparing land. Quincy tomatoes in good condition with all acreage planted. Citrus groves, trees, new crop fruit very good to excellent condition. Ideal growing weather, adequate moisture, abundant new growth. Leaf miner present in varying quantities throughout the citrus belt. Good fruit sizes for mid-August. Caretakers cutting cover crops, spraying, fertilizing, dead tree removal, replanting going on in most large groves. Pasture feed fair 25%, good 70%, excellent 5%. Pasture generally improved due to recent rains. Condition of cattle herds fair 20%, good 70%, excellent 10%.

GEORGIA: Days suitable for fieldwork 5.0. Soil moisture 4% very short, 15% short, 74% adequate, 7% surplus. Corn 97% dough, 100% 1995, 100% avg.; 88% dent, 99% 1995, 96% avg.; 67% mature, 95% 1995, 84% avg.; 10% harvested for grain, 27% 1995, 17% avg. Hay 1% very poor, 7% poor, 37% fair, 52% good, 3% excellent. Sorghum 5% very poor, 10% poor, 31% fair, 53% good, 1% excellent. Soybeans 47% setting pods, 51% 1995, 50% avg. Tobacco 1% very poor, 3% poor, 20% fair, 65% good, 11% excellent; 62% harvested, 82% 1995, 76% avg. Watermelons 95% harvested, 98% 1995, 97% avg. Apples 2% fair, 98% good; 4% harvested, 12% 1995, 14% avg. Peaches 97% harvested, 100% 1995, 97% avg. Pecans 1% very poor, 12% poor, 39% fair, 39% good, 9% excellent. Continuing showers brought another week of drought relief. All areas received rain, some localities are still in need of more. Generally, crop conditions improved or held steady. Activities: Fertilizing pastures, planting fall vegetables, irrigating crops, cutting hay, applying pesticides.

HAWAII: Beneficial mixture of showers, abundant sunshine aided crop growth. Papaya production moderate to heavy. Banana production up for Cavendish variety. Watermelon harvesting active, moderate volume. Head cabbage fair to good condition, harvesting active. Tomato harvesting light to moderate.

IDAHO: Days suitable for fieldwork 6.7. Potato late blight identified in south central areas. Topsoil 7% very short, 49% short, 42% adequate, 2% surplus. Potatoes turning (vines senescing) 12%, 14% 1995, 23% avg.; potatoes with vines dead/killed 1%, 4% 1995, 6% avg.; 5% fair, 66% good, 29% excellent. Winter wheat 2% poor, 16% fair, 47% good, 35% excellent. Spring wheat turning color 90%. Barley turning color 88%. Alfalfa hay harvested (2nd cutting) 71%, 62% 1995, 68% avg.; harvested (3rd cutting) 11%, 6% 1995, 6% avg. Oats harvested for grain 10%, 6% 1995, 29% avg. Dry peas harvested 15%, 23% 1995, 43% avg. Mint harvested 68%, 65% 1995, 70% avg. Sweet corn harvested 10%. Onions harvested 1%, 0% 1995, 2% avg. Peaches harvested 28%, 33% 1995, 49% avg. Prunes, plums harvested 10%, 3% 1995, 7% avg. Pasture feed, range 14% poor, 34% fair, 42% good, 10% excellent. Irrigation water supply 1% poor, 7% fair, 57% good, 35% excellent. Activities: Irrigating row crops, spraying for and worrying about late blight in potatoes, harvesting alfalfa hay and small grains, managing grain stubble.

ILLINOIS: Days suitable for fieldwork 6.4. Topsoil 19% very short, 33% short, 44% adequate, 4% surplus. Crops maintained their conditions last week but rain is needed in the southern half of the State. Reporters in the central, northern districts expressed concern about the lateness of the soybean crop. Northern districts need warm weather to promote crop progress while the southern districts need rain. Oat harvest progressed rapidly. Activities included spraying chemicals, cultivating, mowing and caring for livestock. Corn 22% dough, 35% 1995, 60% avg.; 3% dented, 5% 1995, 20% avg. Soybeans 31% setting pods, 37% 1995, 68% avg. Oats 99% ripe, 98% 1995, 99% avg.; 75% harvested, 86% 1995, 89% avg. Alfalfa 91% second cutting, 93% 1995, 95% avg.; 22% third cutting, 19% 1995, 34% avg.

INDIANA: Days suitable for fieldwork 6.4. Topsoil 6% very short, 33% short, 57% adequate, 4% surplus. Subsoil 3% very short, 21% short, 71% adequate, 5% surplus. Corn silking is 14 days behind average. Blooming of soybeans, 18 days behind average. Winter wheat yields lower than farmers had earlier anticipated. Headscab, winter kill

seriously affected this year's winter wheat crop. Mint harvest underway, northern areas. Second cutting of alfalfa hay 86% complete, 95% 1995, 95% avg. Heat during the week placed stress on some livestock. Activities: Baling hay and straw, detasseling seed corn, cultivating and spraying soybeans, spraying for insects, mowing fence rows, care of livestock, attending the State fair.

IOWA: Days suitable for fieldwork 4.6. Topsoil very short 5%, short 23%, adequate 68%, surplus 4%. Subsoil very short 2%, short 25%, adequate 68%, surplus 5%. State cooler than normal temperatures have been very beneficial crops under stress from lack of moisture. Cooler temperatures have also though, slowed the growth of row crops. Reporters indicated that many producers remain optimistic about this year's crops, concerned about an early frost impacting their crops before they reach full maturity. Cooler weather has also aided crops suffering from lack of moisture. Rains received over the in the north should help in relieving some of this stress. Additional comments on grasshoppers in soybeans, potato leaf hoppers in alfalfa were received. Corn tasseling 98%, 97% 1995, 95% avg.; in or past milk stage 32%, 46% 1995, 55% avg.; corn in dough stage 4%, 6% 1995, 22% avg. Soybeans setting pods 64%, 70% 1995, 71% avg. Alfalfa hay 2nd crop harvested 87%, 89% 1995, 87% avg.; alfalfa hay 3rd crop harvested 5%, 5% 1995 8% avg. Clover hay 2nd crop harvested 55%, 59% 1995, 62% avg.; 1% very poor, 9% poor, 35% fair, 48% good, 7% excellent. Livestock in good to excellent condition thanks to cooler temperatures.

KANSAS: Days suitable for fieldwork 4.3. Topsoil 4% very short, 23% short, 67% adequate, 6% surplus. Subsoil 4% very short, 23% short, 70% adequate, 3% surplus. Insect pressure continues with light to moderate infestations in some areas. Common reported insects include grasshoppers, chinch bugs, spider mites, corn borers. Rain was received across much of the State again last week. Fall crops remain mostly in good to excellent condition, ahead of normal maturity. Feed grain supplies 24% short, hay 11% short. Alfalfa cut the third time 80% complete, 63% 1995, 64% avg. Alfalfa cut the fourth time 10% complete, 4% 1995, 6% avg. Activities: Baling hay, preparing ground for wheat seeding, fall crop weed, insect control.

KENTUCKY: Days suitable for fieldwork 5.3. Topsoil 5% very short, 20% short, 68% adequate, 7% surplus. Subsoil 5% very short, 17% short, 74% adequate, 4% surplus. Crops continue to improve due to moisture from showers, though tobacco blue mold & black shank serious through out many areas of central portion of State. Tobacco 2% very poor, 10% poor, 30% fair, 45% good, 13% excellent. Burley tobacco 45% topped. Over 70% of the dark tobacco topped. Corn, soybeans, hay crops mostly good. Pasture feed 1% very poor, 7% poor, 29% fair, 54% good, 9% excellent.

LOUISIANA: Days suitable for fieldwork 4.1. Soil moisture 10% short, 64% adequate, 26% surplus. Corn 4% poor, 23% fair, 65% good, 8% excellent; 90% mature, 93% 1995, 87% avg.; 20% harvested, 17% 1995, 22% avg. Corn harvest picked up with initial yields looking good. Hay 67% second cutting, 63% 1995, 35% avg. Drier conditions allowed hay producers back into their fields. Peaches 100% harvested, 90% 1995, 96% avg. Rice 44% ripe, 46% 1995, 43% avg. Rice harvest gained momentum with good yields being reported. Sorghum 49% ripe, 29% 1995, 29% avg.; 10% harvested, 2% 1995, 4% avg. Insect pressure on grain sorghum remained light. Soybeans 82% setting pods, 75% 1995, 59% avg.; 5% turning color, 3% 1995, 1% avg. Soybean growers were spraying for aerial blight and bean leaf beetles. Sugarcane 2% very poor, 5% poor, 21% fair, 54% good, 18% excellent; 0% planted, 1% 1995, 1% avg. Sugarcane farmers continued to prepare to plant. Sweetpotatoes 20% fair, 74% good, 6% excellent; 5% harvested, 2% 1995, 7% avg. Sweetpotato harvest gained momentum with initial yields looking good. Livestock 3% poor, 19% fair, 68% good, 10% excellent. Crawfish producers were planting rice for winter forage. Vegetables 2% very poor, 15% poor, 44% fair, 38% good, 1% excellent. Pasture feed 1% poor, 22% fair, 65% good, 12% excellent.

MARYLAND: Days suitable for fieldwork 5.7. Topsoil 2% very short, 6% short, 74% adequate, 18% surplus. Subsoil 2% very short, 4% short, 86% adequate, 8% surplus. Corn 1% very poor, 4% poor, 11% fair, 51% good, 33% excellent; 86% silked, 95% 1995, 92% avg.; 43% dough, 52% 1995, 48% avg.; 10% dent, 17% 1995, 18% avg. Soybeans 8% poor, 16% fair, 48% good, 28% excellent; 62% bloomed, 65% 1995, 66% avg.; 30% setting pods, 38% 1995, 35% avg. Tobacco 4% poor, 11% fair, 71% good, 14% excellent; 88% bloomed, 97% 1995, 73% avg.; 61% topped, 63% 1995, 45% avg.; 16% harvested, 23% 1995, 11% avg. Sorghum 4% very poor, 5% poor, 22% fair, 34% good, 35% excellent; 33% headed, 73% 1995, 72% avg. Sweet corn 54% harvested, 56% 1995, 67% avg. Potatoes 95% harvested, 73% 1995, 72% avg. Cantaloupe 65% harvested, 62% 1995, 68% avg. Tomatoes 50% harvested, 48% 1995, 57% avg. Watermelon 43% harvested, 59% 1995, 59% avg. Alfalfa hay 95% 2nd cutting, 96% 1995, 99% avg.; 47% 3rd cutting, 63% 1995, 67% avg.; 5% 4th cutting, 5% 1995, 5% avg. Other hay 77% 2nd cutting, 87% 1995, 76% avg.; 26% 3rd cutting, 14% 1995, 18% avg. Hay supplies 7% very short, 7% short, 82% adequate, 4% surplus. Apples 1% very poor, 1% poor, 16% fair, 62% good, 20% excellent.; 4% harvested, 3% 1995, 6% avg. Peaches 1% very poor, 1% poor, 13% fair, 63% good, 22% excellent; 65% harvested, 43% 1995, 53% avg. Activities: Cutting hay, harvesting vegetables.

MICHIGAN: Days suitable for fieldwork 6.0. Topsoil 22% very short, 37% short, 39% adequate, 2% surplus. Subsoil 15% very short, 41% short, 41% adequate, 3% surplus. Corn in milk 70%, 90% 1995, 86% avg. Drybeans blooming 60%, 96% 1994, 87% avg.; setting pods 15%, 81% 1994, 53% avg.; 10% very poor, 18% poor, 33% fair, 32% good, 7% excellent. All hay 2nd cutting 86%, 81% 1994, 73% avg.; 4% very poor, 16% poor, 33% fair, 39% good, 8% excellent. Potatoes harvested 7%, 33% 1994, 29% avg. Oats turning yellow 86%, 94% 1994, 95% avg.; harvested 30%, 54% 1994, 42% avg.; 2% very poor, 10% poor, 33% fair, 44% good, 11% excellent. Pasture feed 5% very poor, 23% poor, 37% fair, 27% good, 8% excellent. Fruit crops remained about a week behind normal. Number of Japanese beetles has been high in the southwest. Lateness of the corn crop has sent European corn borers seeking out less preferred hosts, like fruit, in southern areas. Apple maggot catches were heavy. Growers were on the alert for apple scab on leaves; fruit appeared fairly clean. Birds have been a major problem for some blueberry growers. Tart cherry shaking was in full swing in the northwest; it is finished elsewhere. Apples were about two inches in diameter. Red varieties began to color. Picking of Red Haven will commence this week. Harvesting of sweet cherries ended. Harvesting of Bluecrop, Jersey blueberries continued. Machines began to roll in Rubels. Fruit size has been very large. Short plum crop was sizing well. Japanese varieties were picked. Sweet corn harvest has failed to meet consumer demand, so farm market prices have exceeded last year's. Cucumber harvest moved into second and third planted fields. Carrots were sizing well. Deer damage has been severe in northern areas. Bell pepper harvesting for fresh market continued. Walls are thicker than earlier pickings. The processing crop is late. Celery quality has been very good; yields have been excellent. Harvest of processing tomatoes will start about August 20, 7-10 days behind normal. Cantaloupe harvesting began. Early fruit set was noticeable in pumpkin fields. Major activities included: Harvesting wheat, hay, sweet and tart cherries, potatoes, mowing and spraying orchards.

MINNESOTA: Days suitable for fieldwork 4.6. Topsoil 3% very short, 22% short, 66% adequate, 9% surplus. Subsoil 7% very short, 24% short, 59% adequate, 10% surplus. Corn 96% tasseled, 98% 1995, 91% avg.; 27% milk, 52% 1995, 50% avg. Soybeans 95% blooming, 98% 1995, 92% avg.; 52% setting pods, 76% 1995, 68% avg. Spring wheat 63% turning ripe, 78% 1995, 88% avg.; 34% harvested, 28% 1995, 25% avg. Oats 91% turning ripe, 94% 1995, 96% avg.; 55% harvested, 40% 1995, 51% avg. Barley 65% turning ripe, 82% 1995, 91% avg.; 20% harvested, 18% 1995, 32% avg. Rye 79% harvested, 67% 1995, 62% avg. Winter wheat 53% harvested, 47% 1995, 57% avg. Pasture feed 2% very poor, 18% poor, 38% fair, 40% good, 2% excellent. Oats 1% very poor, 4% poor, 30% fair, 58% good, 7% excellent. Barley 18% poor, 31% fair, 45% good, 6% excellent. Corn

1% very poor, 6% poor, 30% fair, 53% good, 10% excellent. Spring wheat 8% poor, 36% fair, 50% good, 6% excellent. Dry beans 1% very poor, 3% poor, 23% fair, 65% good, 8% excellent. Soybeans 1% very poor, 7% poor, 34% fair, 51% good, 7% excellent. Sunflowers 7% poor, 36% fair, 55% good, 2% excellent.

MISSISSIPPI: Days suitable for fieldwork 4.7. Soil moisture 2% very short, 10% short, 76% adequate, 12% surplus. Corn 99% dough, 98% 1995, 93% avg.; 85% dent, 81% 1995, 73% avg.; 41% mature, 41% 1995, 37% avg.; 5% harvested, 4% 1995, 6% avg.; 68% silage harvested, 46% 1995, 48% avg.; 2% very poor, 8% poor, 28% fair, 53% good, 9% excellent. Soybeans 94% blooming, 92% 1995, 79% avg.; 80% setting pods, 70% 1995, 52% avg.; 13% turning color, 6% 1995, 4% avg.; 1% very poor, 5% poor, 24% fair, 54% good, 16% excellent. Peaches 92% harvested, 89% 1995, 94% avg.; 1% very poor, 56% poor, 25% fair, 16% good, 2% excellent. Watermelons 88% harvested, 87% 1995, 85% avg.; 13% poor, 31% fair, 52% good, 4% excellent. Peanuts 13% fair, 60% good, 27% excellent. Sweetpotatoes 2% very poor, 3% poor, 22% fair, 54% good, 19% excellent. Cattle 1% very poor, 6% poor, 22% fair, 61% good, 10% excellent. Pasture feed 3% very poor, 7% poor, 34% fair, 46% good, 10% excellent. Main farming activities: Harvesting hay, corn, corn silage and spraying fields. Scattered thunderstorms have helped pastures and crops, but delayed some harvesting efforts.

MISSOURI: Days suitable for fieldwork 6.0. Topsoil 5% very short, 28% short, 63% adequate, 4% surplus. Row crops remained in mostly good to fair condition across the State during the past week. Corn progress continues to develop ahead of normal, while the soybean crop is near normal, sorghum is advancing slightly behind normal. Seventy-one percent of the corn crop has reached the dough stage, 35% has reached the dent stage. Corn crop is most advanced southwest, southeast, where all has reached the dough stage, 75% or more has reached dent stage. Conversely, only about 40% of the crop is doughing northeast, with 10% denting. Forty-three percent of the soybeans are setting pods across the State, less than 2 days behind norm. Sorghum heading ranges from 20% northeast, to around 80% southern third of State. Bootheel leads the State with 23% of sorghum crop coloring. Alfalfa 2nd cutting 95%, 94% 1995, 95% avg. Alfalfa 3rd cutting 37%, 29% 1995, 39% avg. Other hay cut 95%, 92% 1995, 93% avg. Pasture feed, range 2% very poor, 16% poor, 42% fair, 37% good, 3% excellent.

MONTANA: Days suitable for fieldwork 6.9. Topsoil 50% very short, 40% short, 10% adequate. Subsoil 38% very short, 48% short, 14% adequate. Hot dry weather provided good conditions for harvesting of winter wheat. Spring grain harvest just getting started in eastern part of State. Winter wheat 5% very poor, 10% poor, 36% fair, 46% good, 3% excellent; 89% ripe, 41% 1995, 63% avg. Spring wheat 94% turning, 77% 1995, 76% avg.; 34% ripe, 20% 1995, 26% avg. Barley 89% turning, 73% 1995, 77% avg.; 31% ripe, 20% 1995, 32% avg. Oats 6% very poor, 16% poor, 39% fair, 37% good, 2% excellent; 94% turning, 79% 1995, 76% avg.; 25% ripe, 25% 1995, 28% avg.; 6% harvested, 2% 1995, 8% avg. Second cutting alfalfa 48% complete, 21% 1995, 34% avg. First cutting other hay 90% complete, 88% 1995, 82% avg.

NEBRASKA: Days suitable for fieldwork 3.9. Topsoil 13% short, 73% adequate, 14% surplus. Subsoil 17% short, 75% adequate, 8% surplus. Rainfall last week improved soil moisture supplies, however, below normal temperatures continued to slow crop development. Reports from the northeast, east central districts indicated the rainfall of the past weeks has resulted in standing water in lowland areas. Grasshoppers continued to be noted in any areas of the State as well as corn borer. Corn 22% dough, 6% 1995, 39% avg. Soybeans 97% blooming, 84% 1995, 92% avg.; 51% setting pods, 35% 1995, 57% avg. Dry beans 86% setting pods, 44% 1995. Alfalfa 6% poor, 33% fair, 53% good, 8% excellent; 97% 2nd cutting, 97% 1995, 98% avg.; 18% 3rd cutting, 14% 1995, 24% avg. Wild hay 3% poor, 20% fair, 62% good, 15% excellent. Pasture feed, range 3% poor, 26% fair, 62% good, 9% excellent; pastures continued to benefit from moisture received. Activities:

Irrigating crops, spraying for insects, harvesting oats, cutting alfalfa, soil preparation for fall seeded crops.

NEVADA: Clear, dry weather allowed harvests to progress rapidly. Small grain harvest was in full swing. Condition ratings for small grains were mostly good to excellent. Dry weather was conducive to haying. Alfalfa second cutting was nearing completion north, fourth cutting was underway extreme south. Grass hay harvest continued. Potatoes, onions in good condition. Garlic harvest continued, onion harvest was approaching. Range, pasture condition showed further seasonal decline. Drought intensified east-central. Main farm, ranch activities: Haying, grain harvest, garlic digging, irrigating, preparing fields for alfalfa seeding.

NEW ENGLAND: Days suitable for fieldwork 6.1. Topsoil 4% short, 69% adequate, 27% surplus. Subsoil 3% short, 66% adequate, 31% surplus. Pasture feed 2% poor, 44% fair, 51% good, 3% excellent. Maine potatoes minimal harvest, condition good. Massachusetts potatoes 15% harvested, 20% 1995, 10% avg.; condition good. Rhode Island potatoes 5% harvested, <5% 1995, <5% avg.; good. Maine oats none harvested, 30% harvested 1995, 10% avg.; good. Maine barley none harvested, 30% harvested 1995, good. Field corn condition good/fair. Sweet corn 30% harvested, 40% 1995, 40% avg.; good. Shade tobacco 75% harvested, 60% 1995; good. Broadleaf tobacco 60% harvested, 30% 1995; good. First hay 95% harvested, 99% 1995, 100% avg.; good/fair. Second hay 40% harvested, 50% 1995, 55% avg.; good. Third cut hay <5% harvested, 10% 1995, 10% avg.; good. Apples <5% harvested, 5% 1995, <5% avg., size average; good. Peaches 15% harvested, 15% 1995, size average, condition good/fair. Pears <5% harvested, <5% harvested 1995, size average, condition good. Cranberries size average, condition good. Highbush blueberries 50% harvested, 65% 1995, size average, condition good/excellent. Wild blueberries 10% harvested, 35% 1995, size above average, condition good. Throughout the week, hot temperatures brought some much needed heat to New England. Crops were looking better and hay harvests were in full swing with the best drying conditions this summer. Early tree fruits continued to be harvested in scattered areas of the region. Wild blueberries,ighbush blueberries, raspberries, and blackberries continued to be harvested during the week. Major farm activities: Cultivating row crops, side dressing crops with nitrogen, spraying fungicides, applying pesticides; harvesting continues for first and second cut hay, lettuce, zucchini, cabbage, tobacco, green beans, tomatoes, broccoli.

NEW JERSEY: Days suitable for fieldwork 6. Topsoil mostly adequate. Recent weather has been beneficial to crops. Farmers are busy harvesting, planting, spraying. Good supply of green beans, cucumbers, eggplant, peppers, sweet corn available. Moderate volume of cantaloupe, beets, squash (all types), watermelon, and tomatoes available. Herbs, leafy greens, cabbage are in light supply. Blueberry harvest complete. Peach harvest continues. Loring is the main variety at this time. Corn and soybeans look good. Hay making is active. Pastures remains in good condition.

NEW MEXICO: Days suitable for fieldwork 6.1. Soil moisture 6% very short, 50% short, 43% adequate, 1% surplus. Scattered afternoon, evening thunderstorms continued again this week with most precipitation falling on the eastern plains. Temperatures were close to normal across the State. Corn 1% poor, 5% fair, 61% good, 33% excellent; tasseled 92%, with 55% in dough stage. Cotton 2% poor, 23% fair, 49% good, 26% excellent; setting bolls 98%, 87% 1995, 88% avg.; bolls opening currently 10%, 0% 1995, 1% avg. Sorghum 5% very poor, 20% poor, 42% fair, 32% good; headed 15%, 26% 1995, 42% avg.; coloring was just beginning. Alfalfa 4% poor, 34% fair, 52% good, 10% excellent; 3rd cutting 90% complete, 4th cutting 40% complete. Chile 1% poor, 9% fair, 70% good, 20% excellent; green chile harvest 12% complete. Onion harvest advanced well with 90% completed; condition was 2% fair, 53% good, 45% excellent. Lettuce also benefited from hot, dry weather with planting 60% complete, condition at 80% fair, 10% good, 10% excellent. Pecan 25% fair, 55% good, 20% excellent. Cattle 2% very poor, 15% poor, 37% fair, 44% good, 2% excellent; sheep 11%

very poor, 21% poor, 46% fair, 21% good, 1% excellent. Range, pasture feed conditions continued to remain steady at 10% very poor, 35% poor, 34% fair, 19% good, 2% excellent.

NEW YORK: Days suitable for fieldwork 5.4. Soil moisture 53% adequate, 47% surplus. Pasture feed 22% fair, 78% good. Hay fair to good condition. Second cut alfalfa 70% complete, 89% 1995, 76% avg. Corn fair to good. Wheat 95% harvested, 95% 1995, 93% avg. Oats 55% harvested, 55% 1995, 49% avg. Potatoes blooming. Orange County onion harvest continued. Vegetables across the State behind normal development due to rain, cool temperatures. Cole crops in good condition. Harvesting picked up momentum. Hudson Valley peach crop 75% harvested. Excellent conditions reported. Apples in good condition. Early varieties being picked.

NORTH CAROLINA: Days suitable for fieldwork 5.0. Soil 1% very short, 6% short, 64% adequate, 29% surplus. Hay 2nd cutting 85%, 66% 1995, 69% avg.; 3rd cutting 36%, 23% 1995, 28% avg. Corn silage harvested 19%, 14% 1995, 20% avg. Flue-cured tobacco harvested 40%, 47% 1995, 35% avg.; apples harvested 7%, 5% 1995, 9% avg. Crop condition: Tobacco 3% very poor, 7% poor, 28% fair, 53% good, 9% excellent; hay 1% very poor, 13% poor, 33% fair, 50% good, 3% excellent; sweetpotatoes 2% very poor, 2% poor, 8% fair, 83% good; 5% excellent; apples 1% very poor, 1% poor, 18% fair, 75% good, 5% excellent; truck crops 2% very poor, 5% poor, 20% fair, 73% good. Activities included: Cultivating crops; spraying for insects and weed control; spraying fungicide on peanuts, fruits, vegetables; harvesting and marketing flue-cured tobacco; topping burley tobacco; harvesting corn for silage; cutting and baling hay; harvesting vegetables; pasture maintenance; tending livestock; and repairing equipment and general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 7. Warmer, drier weather provided excellent harvest conditions, helped push later seeded crops towards maturity. Topsoil 5% very short, 22% short, 69% adequate, 4% surplus. Subsoil 5% very short, 21% short, 67% adequate, 7% surplus. Combining of small grains got underway in many areas, overall progress was behind average. Durum 3% combined; 3% 1995; 6% avg. Late season crop development was boosted by warmer temperatures, remained behind average for all crops except potatoes. Late season crop development: Canola 13% swathed and beyond; flaxseed 25% turning and beyond; 24% 1995; 33% avg.; corn for grain 30% milk and beyond; 57% 1995; 42% avg.; dry edible beans 27% fully podded and beyond; 33% 1995; 40% avg.; soybeans 10% fully podded and beyond; 59% 1995, 57% avg.; potatoes 96% rows filled and beyond; 94% 1995; 90% avg. Small grain conditions declined for the third consecutive week, durum showed the largest decrease. Emerged crop condition: durum 1% very poor, 7% poor, 36% fair, 52% good, 4% excellent; canola 3% poor, 22% fair, 62% good, 13% excellent; flaxseed 1% very poor, 2% poor, 23% fair, 64% good, 10% excellent; corn 2% poor, 24% fair, 59% good, 15% excellent; dry edible beans 6% poor, 27% fair, 57% good, 10% excellent; soybeans 10% poor, 34% fair, 43% good, 13% excellent; sunflower 1% poor, 13% fair, 61% good, 25% excellent; sugarbeets 1% very poor, 2% poor, 12% fair, 69% good, 16% excellent; potatoes 1% very poor, 3% poor, 5% fair, 67% good, 24% excellent.

OHIO: Days suitable for fieldwork 6.3. Topsoil 4% very short, 30% short, 64% adequate, 2% surplus. Alfalfa hay 2nd cutting 92% complete; other hay 2nd cutting 69% complete. Harvest continues for Fresh market tomatoes, sweet corn, peppers, processing cucumbers. Harvest began on cabbage for kraut. Apple harvest progressed to 8%. Potato digging progress is at 11%. Alfalfa seeding is underway, idle fields are being prepared for winter wheat. Livestock condition is mostly good, some heat stress was reported.

OKLAHOMA: Days suitable for fieldwork 4.9. Topsoil 3% very short, 9% short, 81% adequate, 7% surplus. Subsoil 5% very short, 15% short, 78% adequate 2% surplus. Wheat 95% plowed, 93% 1995, 93%

avg.; 22% seedbed prepared, 16% 1995, 18% avg.; corn 99% milk-to-soft, 83% 1995, 89% avg.; 14% mature, 13% 1995, 13% avg. Sorghum 18% mature, 3% 1995, 3% avg. 1% harvested, 0% 1995, 1% avg. Soybeans 93% blooming, 65% 1995, 63% avg.; 66% setting pods, 38% 1995, 35% avg.; 5% mature, 2% 1995, 5% avg. Peanuts 86% setting pods, 74% 1995, 67% avg.; 1% mature, 0% 1995, 1% avg. Alfalfa 5% poor, 26% fair, 63% good, 6% excellent; 76% 3rd cutting, 77% 1995, 85% avg.; 11% 4th cutting, 12% 1995, 12% avg. Livestock 3% poor, 19% fair, 72% good, 6% excellent. Feeder steers and heifers were \$1 to \$2/cwt higher.

OREGON: Days suitable for fieldwork 6.8. Topsoil 5% very short, 45% short, 50% adequate. Subsoil 2% very short, 39% short, 59% adequate. Barley 35% harvested, 43% 1995, 54% average. Activities: Grain, hay, grass seed, mint harvest underway, western sections. Grain, hay harvest continued, good yields, eastern sections. Nurseries, greenhouses rotating irrigation, dry conditions prevailed. Easter lily bud pruning underway, soil preparation continued. Green bean, cucumbers, cauliflower, squash, tomato harvest continued, early sweet corn harvest underway, late cauliflower being planted, potatoes blooming, Willamette valley. Potato harvest underway, Malheur County and Mid-Columbia region. Early onion harvest underway, Malheur County. Red raspberry, Marion variety blackberry harvests winding down, blueberry harvest continued, Evergreen variety blackberries ready for harvest, red haven peach harvest continued, Willamette valley. Pears, apples good, some hail damage to some fruit, blackberries, blueberries ripening fast, Rogue River Valley. Blueberry harvest continued, cranberry development continued, good cranberry sizing, southern coast. Livestock good-excellent. Hot dry windy conditions caused seven major forest fires, eastern, central sections, 72,000 acres burned. Western livestock producers feeding supplements.

PENNSYLVANIA: Days suitable for fieldwork 5.5. Soil moisture 8% short, 77% adequate, 15% surplus. High humidity, foggy mornings hampered hay making. High humidity hard on livestock. Corn generally very good, more variable conditions than normal. Soybean 5% poor, 20% fair, 51% good, 24% excellent. Tobacco 3% harvested, 12% 1995, 7% avg. Potato harvest 10% complete, 6% 1995, 8% avg. Alfalfa 2nd cutting 79% complete, 69% 1995, 78% avg.; 3rd cutting 35% complete, 22% 1995, 28% avg. Timothy clover 2nd cutting 37% complete, 36% 1995, 51% avg. Quality of hay made 2% very poor, 7% poor, 22% fair, 60% good, 9% excellent. Apple harvest 14% complete, 3% 1995, 6% avg. Peach harvest 34% complete, 21% 1995, 32% avg. Grapes harvest 4% complete, 3% 1995, 4% avg. Fall plowing 8% complete, 3% 1995, 5% avg. Activities: Making hay and haylage; harvesting small grains; harvesting potatoes; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Corn 2% very poor, 13% poor, 27% fair, 42% good, 16% excellent; 99% doughed, 99% 1995, 99% avg.; 73% mature, 76% 1995, 73% avg.; 15% harvested, 10% 1995, 12% avg. Sorghum 11% harvested, 11% 1995, 12% avg.; 5% very poor, 54% poor, 23% fair, 18% good. Tobacco 54% harvested, 55% 1995, 56% avg.; 8% stalks destroyed, 9% 1995, 7% 5 yr avg; 1% poor, 39% fair, 42% good, 18% excellent; Peach harvest 93% complete, 87% 1995, 84% avg.; 17% very poor, 24% poor, 55% fair, 4% good. Watermelons 98% harvested, 94% 1995, 90% avg.; 10% very poor, 32% poor, 29% fair, 29% good. Cantaloups 98% harvested, 91% 1995, 86% avg.; 10% poor, 54% fair, 35% good, 1% excellent. Tomatoes 15% fair, 65% good, 20% excellent. Cucumbers 30% poor, 35% fair, 35% good.

SOUTH DAKOTA: Days suitable for fieldwork 5.1. Topsoil 6% very short, 24% short, 66% adequate, 4% surplus. Subsoil 3% very short, 20% short, 69% adequate, 8% surplus. Scattered thunderstorms brought needed rain, most of the western part of the State remains dry. Hail and high winds severely damaged some crops. Barley 76% ripe,

82% 1995, 88% avg. Oats 81% ripe, 82% 1995, 93% avg. Spring wheat 93% turning color, 96% 1995, 98% avg.; 71% ripe, 79% 1995, 84% avg. Corn 93% tasseled, 88% 1995, 86% avg.; 17% dough, 2% 1995, 19% avg.; 3% dent, 0% 1995, 2% avg. Flax 91% blooming, 89% 1995, 87% avg.; 19% fair, 77% good, 4% excellent. Sunflowers 1% very poor, 3% poor, 9% fair, 58% good, 29% excellent. Second cutting alfalfa 81% harvested, 74% 1995, 67% avg. Other hay 83% harvested, 75% 1995, 70% avg. Livestock 6% fair, 74% good, 20% excellent. Stock water supplies 1% very short, 4% short, 87% adequate, 8% surplus.

TENNESSEE: Days suitable for fieldwork 5.0. Topsoil 6% short, 81% adequate, 13% surplus. Subsoil 6% short, 84% adequate, 10% surplus. Corn 1% very poor, 1% poor, 15% fair, 51% good, 32% excellent; 88% dough, 89% 1995, 80% avg.; 49% dent, 56% 1995, 43% avg.; 6% mature, 9% 1995, 5% avg.; 14% silage harvested, 26% 1995, 8% avg. Tobacco 7% poor, 29% fair, 52% good, 12% excellent; 68% topped, 59% 1995, 65% avg.; 7% burley harvested, 10% 1995, 10% avg.; 7% air-cured harvested, 8% 1995, 8% avg.; 8% dark fire-cured harvested, 10% 1995, 8% avg. Sorghum 17% fair, 64% good, 19% excellent; 75% headed, 90% 1995, 86% avg.; 17% turning color, 27% 1995, 23% avg. Pasture feed 4% poor, 25% fair, 60% good, 11% excellent.

TEXAS: Rainfall received many areas during the week. However, rain fell in varied amounts, widely scattered. A good general rain is still needed across the State. Reports from a trace to several inches. Lower temperatures occurred part of the week in the High Plains; other areas of the State remained under very hot conditions. Fieldwork progressed as conditions allowed. Crop progress in the Plains was good, a few days had cooler weather and scattered rain. Livestock markets continued to show some strength.

Crops: Small grains land preparation continued across State. Added moisture in the Plains will be big boost for planting next month. Corn in early planted fields in the High Plains continued mature; harvest should begin on these fields soon. High winds and hail again caused some damage in scattered fields. Some harvest for silage occurred. Overall progress was good. Harvest continued in the Central and Coastal areas, with only fair yields; some total failures are occurring. High levels of aflatoxin were also reported. Most harvest is completed in Rio Grande Valley. Crops are 96% dough, 87% 1995, 84% avg. 80% dented, 67% 1995, 65% avg. Crops are 58% mature, 54% 1995, 50% avg. Crops are 43% harvested, 37% 1995, 29% avg. Grain sorghum: lower temperatures in the High Plains slowed maturing for a couple of days; added moisture was beneficial. Harvesting continued in most other areas. Crops were 56% mature, 65% 1995, 59% avg; 47% harvested, 54% 1995, and 50% avg. Cotton insect and disease problems were increasing, causing spraying to occur. Crop development advanced rapidly, but some fields were still slightly delayed. Fields in many Central areas continued to suffer from a lack of sufficient moisture, high temperatures. Some plants were shedding bolls. Bolls were opening in many of these areas. Harvest remained active in Rio Grande Valley. Progress was 17% open bolls, 16% 1995, 15% avg. 7% harvested, 5% 1995, 5% avg. Rice harvesting continued along Upper Coast, and good yields were reported. Peanuts' progress remained good in most northern areas. Only slight disease problems occurred. Hot and mostly dry conditions continued to plague the crop in the South Central areas, with 91% pegging. Soybeans' progress improved with added moisture in the Plains and other North Central areas. Harvest increased along the Upper Coast as conditions allowed, with 7% harvested, 11% 1995, 4% avg.

Commercial Vegetables: Rio Grande Valley land preparations remained slow because of lack of water. San Antonio-Winter Garden land preparations continued, with some planting underway. In the east, sweetpotato progress varied. Scattered rain helped some fields while others remained stressed. In the High Plains, cucumber and pepper harvest continued between rain showers. In Trans-Pecos, peppers are making good progress while insect problems are beginning in some chile fields. Few cantaloup fields remain to be harvested. Pecan producers begun spraying for shuckworms in many areas. Damage from first, second generation casebearers continued to show up. Nut drop also

continued; however, recent moisture in some areas may help alleviate this problem. Irrigation activity was steady.

Range and Livestock: Ranges and pastures in some areas responded favorably after recent rains by increasing greening and growth. Haying activity also showed some increase. Light weight cattle began arriving in the High Plains for small grain pastures this fall. Livestock marketings remained steady, prices showing some improvement. Even with recent rains, many stock tanks remained low or dry, and herd liquidation continued.

UTAH: Days suitable for fieldwork 6.7. Topsoil 18% very short, 45% short, 35% adequate, 2% surplus. Subsoil 19% very short, 41% short, 40% adequate. Irrigation water supply 11% very short, 35% short, 53% adequate, 1% surplus. Stock water supply 13% very short, 39% short, 46% adequate, 2% surplus. Winter wheat harvested 75%, 51% 1995, 72% avg. Spring wheat harvested 65%, 37% 1995, 53% avg. Barley harvested 75%, 44% 1995, 57% avg. Oats harvested for grain 32%, 23% 1995, 28% avg. Corn tasseled 71%, 26% 1995, 67% avg. Alfalfa 2nd cutting 92%, 79% 1995, 84% avg.; 3rd cutting 20%, 8% 1995, 13% avg. Oats harvested for hay or silage 75%, 87% 1995, 84% avg. Other hay cut 80%, 79% 1995, 85% avg. Peaches picked 18%, 9% 1995, 17% avg. Range, pasture feed 8% very poor, 19% poor, 43% fair, 30% good. Major farm, ranch activities: Irrigating crops, harvesting grains, cutting alfalfa and other hay, picking peaches.

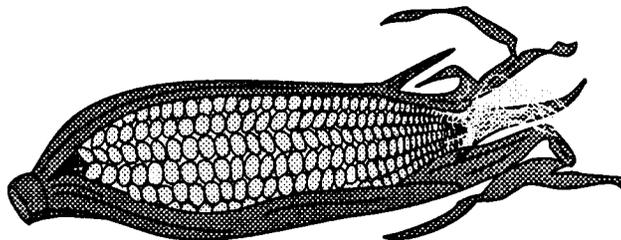
VIRGINIA: Days suitable for fieldwork 4.8. Topsoil 5% short, 77% adequate, 18% surplus. Subsoil 13% short, 73% adequate, 14% surplus. Corn 91% silked, 1995 91%, 88% avg.; 55% dough, 1995 49%, 54% avg.; 29% dent, 1995 25%, 30% avg.; 7% mature, 1995 4%, 4% avg.; 1% silage harvested, 1995 1%, 4% avg.; 9% fair, 61% good, 30% excellent. Soybeans 58% bloomed, 1995 66%, 59% avg.; 35% setting pods, 1995 31%, 32% avg.; 4% very poor, 5% poor, 19% fair, 51% good, 21% excellent. Cotton 13% fair, 48% good, 39% excellent. Peanuts 100% pegged; 1% poor, 5% fair, 40% good, 54% excellent. Alfalfa 4% poor, 18% fair, 61% good, 17% excellent. Other hay 1% poor, 34% fair, 50% good, 15% excellent. Summer potatoes 97% harvested, 91% 1995, 97% avg. Fire cured tobacco 10% harvested, 19% 1995, 11% avg.; 13% fair, 87% good. Flue cured tobacco 22% harvested, 29% 1995, 23% avg.; 15% fair, 80% good, 5% excellent. Burley tobacco 5% very poor, 12% poor, 32% fair, 51% good. Sun cured tobacco 60% good, 40% excellent. Pasture feed 3% poor, 28% fair, 53% good, 16% excellent. Apples 25% harvested, 20% 1995, 26% avg; 3% very poor, 10% poor, 10% fair, 62% good, 15% excellent. Peaches 53% harvested, 51% 1995, 58% average. Activities: Quality, quantity of crops on eastern shore continue decline due to excess moisture. Growers scouting, spraying cotton for worms, spraying peanuts for leaf spot. Pastures, hay responded well to rain, haymaking continues weather permitting. Tobacco farmers topping, spraying. Flue, dark-fired tobacco harvest continues. Blue mold reported in burley tobacco over wide area, southwest. Humid, rainy conditions allowing blue mold to persist, spread. Flooding reported some burley fields. Fall vegetable crops being planted. Peach, apple harvest continues.

WASHINGTON: Days suitable for fieldwork 6.7. Topsoil 3% very short, 40% short, 56% adequate, 1% surplus; subsoil 35% short, 65% adequate. Rains were probably too late to help stressed spring cereal crops. Winter wheat, dryland 8% fair, 53% good, 39% excellent; irrigated, 82% good, 18% excellent. Barley, dryland 1% poor, 19% fair, 59% good, 21% excellent; irrigated, 98% good, 2% excellent. Spring wheat, dryland 6% poor, 21% fair, 46% good, 27% excellent; irrigated, 89% good, 11% excellent. Winter wheat 42% harvested, 49% 1995, 59% avg. Spring wheat 16% harvested, 23% 1995, 41% avg. Barley 31% harvested, 24% 1995, 45% avg. Potatoes 16% harvested, 11% 1995, 10% avg.; 5% fair, 95% good. Hay, other roughage supplies, 4% short, 81% adequate, 15% surplus. Range, pasture feed, 12% poor, 38% fair, 45% good, 5% excellent. Alfalfa 2nd cutting 93%, 84% 1995, 85% avg.; 3rd cutting 33%, 42% 1995, 34% avg. Watermelon harvest was underway in eastern areas, early apple harvest began. Blueberry harvest continued with below normal yields being reported. Blackberry harvest also continued. The last crop of lettuce was planted. Winter frost took its toll on Bartlett pears in the western part of the State.

WEST VIRGINIA: Days suitable for fieldwork 4.2 Topsoil 8% short, 71% adequate, 21% surplus. Wheat harvested 96%, 78% 1995, 94% avg. Hay 6% poor, 28% fair, 63% good, 3% excellent; 2nd cutting 44%, 50% 1995, 47% avg.; 3rd cutting 6%, 8% 1995. Corn 14% fair, 82% good, 4% excellent; 66% silked, 81% 1995, 83% avg.; 32% dough stage, 28% 1995, 44% avg.; 3% dent stage, 2% 1995. Oats 61% harvested, 60% 1995, 74% avg. Soybeans 16% fair, 83% good, 1% excellent; blooming 65%, 79% 1995, 23% setting pods, 40% 1995. Tobacco 22% poor, 33% fair, 44% good, 1% excellent; 50% topped, 59% 1995, 53% avg. Cattle 1% poor, 16% fair, 81% good, 2% excellent. Sheep 7% fair, 91% good, 2% excellent. Apples 93% fair, 7% good. Peaches 100% fair. Activities: Cutting and baling hay, harvesting small grains and peaches, topping tobacco, working livestock, clipping pastures, spraying for weeds, repairing fences and equipment maintenance.

WISCONSIN: Days suitable for fieldwork 5.4. Soil moisture 2% very short, 13% short, 78% adequate, 7% surplus. Overall, the weather was fairly good for harvest activities. Oat yields were reported good with not many weeds. Winter wheat acreage was at 55% harvested compared with 87% 1995, 72% avg. A reporter from Waupaca County noted that some of the wheat fields were yielding poorly, with light kernels. Soil moisture levels were rated 2% very short, 13% short, 78% adequate, 7% surplus. Two reporters from the southwest district noted that some areas were very dry. Hot, humid weather enhanced the silking of corn statewide. Some producers in the northeast district were still harvesting first crop hay. As of 11th, second crop hay harvested was at 70%, compared with 84% 1995, 75% avg. Third crop hay acreage statewide was at 6% cut. Statewide 23% of the soybeans were setting pods. Soybean 3% very poor, 7% poor, 25% fair, 53% good, 12% excellent. Tobacco fields were hit with a blue mold disease in the southwest district. Cranberry bogs in the central district were in good condition, warm weather is still needed. Pasture feed 3% very poor, 7% poor, 31% fair, 54% good, 5% excellent.

WYOMING: Days suitable for fieldwork 6.8. Topsoil 9% very short, 61% short, 30% adequate or better. Subsoil 5% very short, 57% short, 38% adequate or better. Winter wheat 89% harvested, 61% 1995, 70% avg. Barley 69% mature, 62% 1995, 71% avg.; 29% harvested, 25% 1995, 37% avg. Oats 47% mature, 31% 1995, 49% avg.; 17% harvested, 16% 1995, 20% avg. Spring wheat 45% mature, 13% 1995, 52% avg.; 19% harvested, 4% 1995, 24% avg. Dry beans 90% setting pods, 64% 1995, 73% avg.; 8% turning color, 3% 1995, 7% avg. Corn 94% silked, 40% 1995, 51% avg.; 50% milk, 16% 1995, 26% avg. Alfalfa 2nd cutting 40% harvested, 23% 1995, 35% avg. Other hay 79% harvested, 72% 1995, 76% avg. Range, pasture feed 9% poor, 41% fair, 44% good, 6% excellent.



International Weather and Crop Summary

August 4 - 10, 1996

HIGHLIGHTS

FSU-WESTERN: Cooler weather and showers followed unrelenting heat and dryness over Ukraine and southern Russia, stabilizing conditions for summer crops.

FSU-NEW LANDS: Scattered showers accompanied a cooling trend over spring wheat areas in Russia and Kazakhstan.

EUROPE: Weather conditions favored winter wheat harvesting in northern France, England, the Benelux countries, and northern Germany.

AUSTRALIA: Scattered, mostly light showers kept the main winter grain areas moist, but cool weather slowed vegetative growth.

CANADA: Persistent, unseasonable coolness for most of the week maintained unfavorably low growth rates of spring grains and oilseeds.

SOUTH ASIA: Widespread, locally heavy rain continued across central India, possibly causing additional flooding to soybeans, rice, and cotton.

SOUTHEAST ASIA: Showers benefited rice and sugarcane across central Thailand. Drier weather eased flooding in the Philippines.

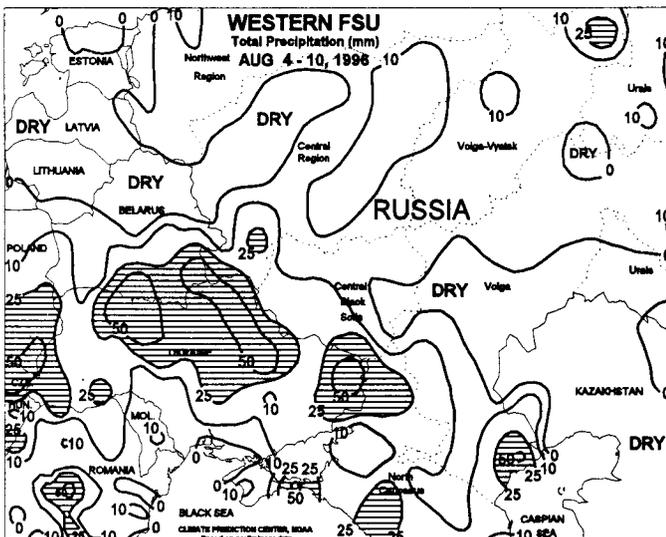
EASTERN ASIA: Adequate moisture existed for reproductive summer crops across Manchuria and the North China Plain. Drier weather continued to ease flooding along the lower Yangtze Valley.

SOUTH AMERICA: Rain and warmer weather benefited winter wheat across central Argentina and southern Brazil.

MEXICO: Drier weather prevailed across the central corn belt, reducing moisture for reproductive to filling corn. Rain brought some drought relief to northeastern Mexico.

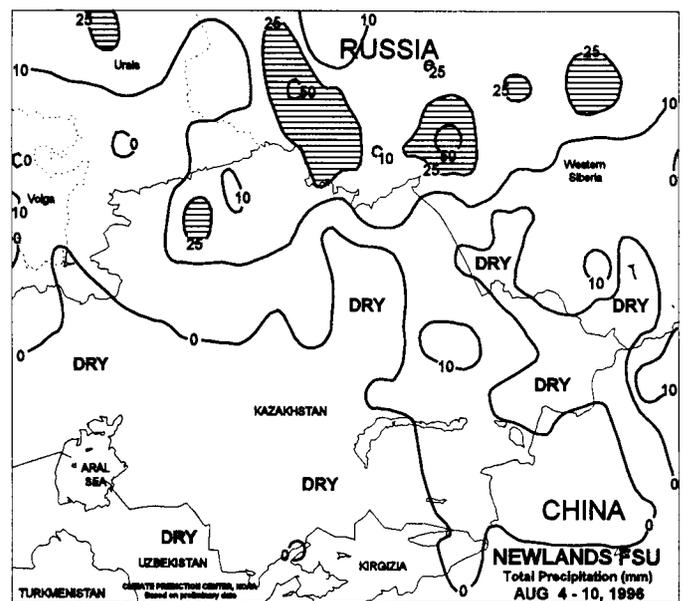
FSU-WESTERN

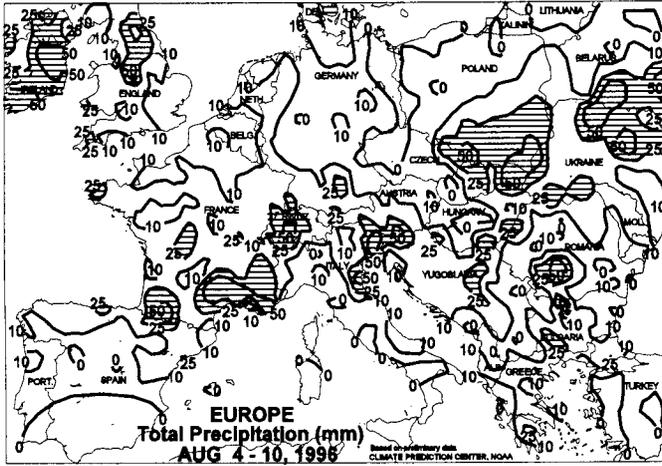
A cooling trend was accompanied by widespread light to moderate showers over eastern Ukraine and southern Russia (North Caucasus, lower Volga Valley, and the southern Black Soils Region). These weather conditions ended a prolonged period of unfavorable heat and dryness that had persisted over these areas since mid-June, helping to stabilize conditions for summer crops (corn, sunflowers, and sugar beets). However, the moisture arrived too late to help spring grains approaching maturity. Precipitation amounts over most of Ukraine ranged from 17 to 62 mm, except in the extreme south, where unfavorable dryness persisted. Rainfall in southern Russia ranged from 10 to 35 mm. Elsewhere, generally dry weather prevailed from the Baltics, eastward through northern Belarus and northern Russia, helping winter grain harvesting. Weekly temperatures averaged 1 to 3 degrees C below normal over Ukraine, Russia, Belarus, and the Baltics.



FSU-NEW LANDS

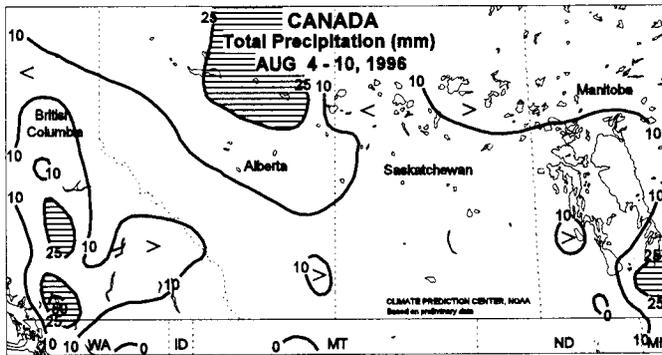
Spring grains were in the filling stage in the northern Urals and Western Siberia in Russia, while crop progress ranged from filling to maturing in the southern Urals, Russia, and Kazakhstan. In Russia, dry weather prevailed over the northern Urals, while farther east, beneficial rain (10-51 mm) fell over crops in the western portion of Western Siberia. A brief episode of hot weather occurred over spring grain areas in the Altay Kray region of Western Siberia but was followed by cooler weather at week's end. In Kazakhstan, dry weather prevailed over the west, while light, scattered showers fell over key spring wheat producing areas in the north-central portions of the country. Weekly temperatures averaged slightly below normal in the west and 1 to 4 degrees C above normal in central and eastern areas.





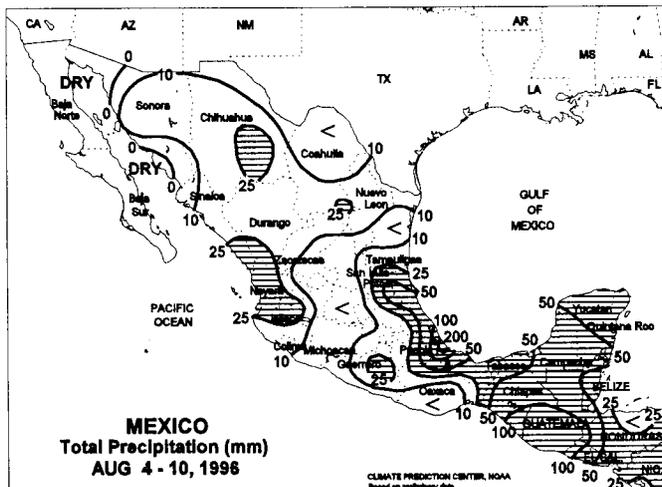
EUROPE

Light, scattered precipitation (5-22 mm) fell from southern England and northern France, eastward through the Netherlands, Belgium, and northern Germany, causing only brief delays in winter wheat harvesting. Soil moisture is lacking in these areas and rain is needed for summer crop development. Farther south, light to moderate rain (10-25 mm, with local amounts in excess of 40 mm) and near-normal temperatures benefited corn in southern France and northern Italy. Seasonably dry weather prevailed over Spain and southern Italy, while unusual rains (10-25 mm) fell over Greece. In eastern Europe, dry weather helped winter grain harvesting in northern Poland and the Czech Republic, while wet weather (10-50 mm) in southern Poland and Slovakia caused harvest delays. Variable showers (2-25 mm) improved soil moisture for summer crop development in southern Romania and western Bulgaria. Weekly temperatures averaged near normal in western Europe, while temperatures averaged below normal in the east.



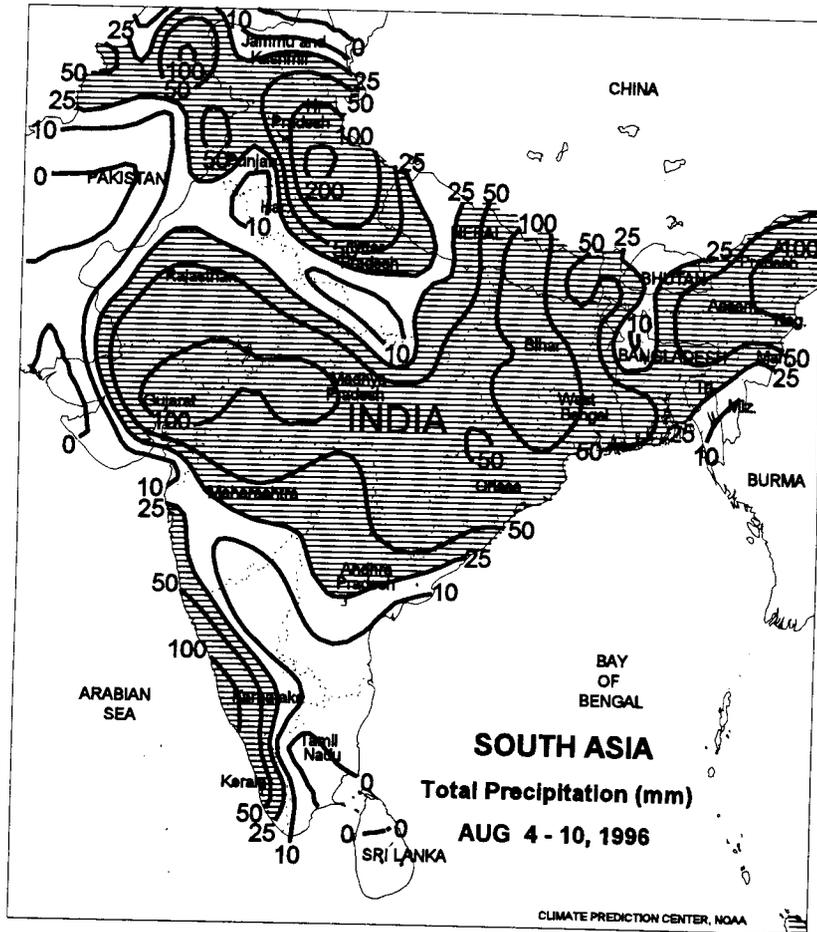
CANADA

Weekly temperatures averaged 1 to 3 degrees C below normal across the Prairies, maintaining unfavorably low crop growth rates. At week's end, however, hot air (highs in the low to mid 30's C) was pushing northward from the United States, enhancing growth rates across the south. Rainfall continued to be unseasonably light (10 mm or less) over most Prairie crop areas, providing little relief to southern grains and oilseeds stressed by dryness. Farther east, warm, dry weather hastened development of Ontario's corn and soybeans and favored winter wheat harvesting.



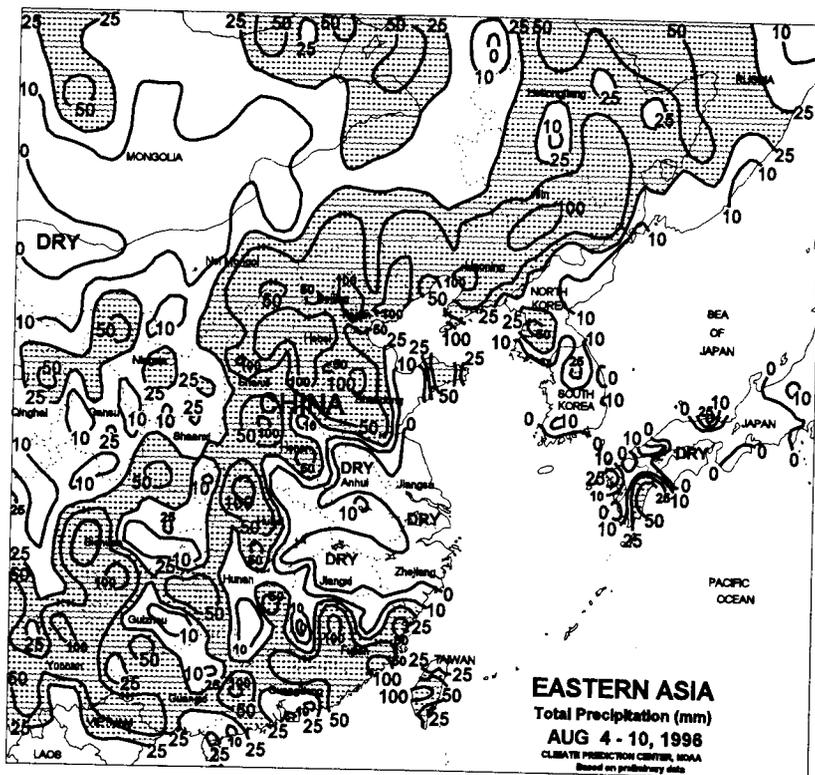
MEXICO

Drier weather (5-30) prevailed across the Southern Plateau corn belt, reducing moisture for reproductive corn. Despite receiving timely rainfall since late-June, rainfall has averaged 70 to 80 percent of normal across the corn belt the past 4 weeks. Beneficial showers (20-100, with an isolated amount greater than 300 mm) fell across Veracruz, aiding citrus, coffee, and sugarcane. Light to moderate rain (5-20 mm) brought some drought relief to northeastern Mexico (Nuevo Leon and Tamaulipas), but much more rain is needed to begin to alleviate long-term moisture deficits. Moderate showers (10-25 mm) continued to benefit pastures across the rest of northern Mexico (Chihuahua, Durango, Sonora, and Coahuila). Temperatures averaged 1 to 2 degrees C above normal across the corn belt and portions of northern Mexico.



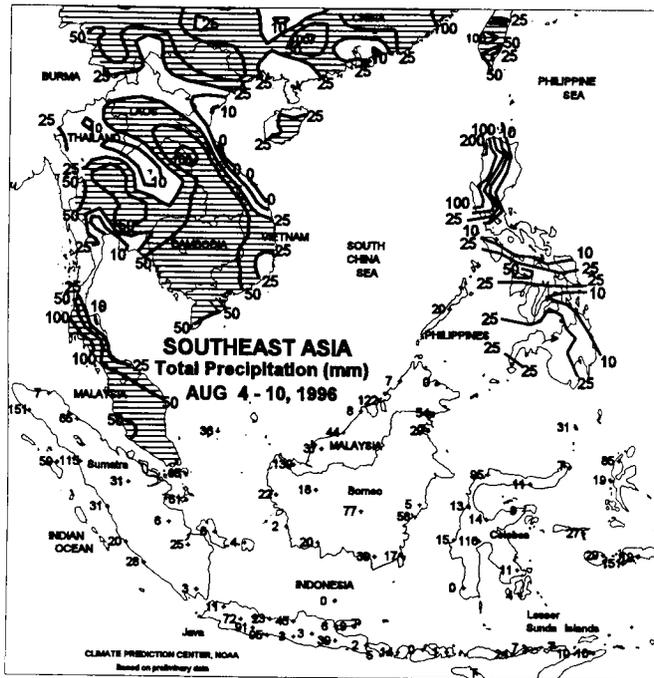
SOUTH ASIA

Moderate to heavy showers (25-100 mm or more) continued across a broad area of central India. Sections of the western oilseed and cotton belts and eastern rice areas possibly experienced some additional flooding. Temperatures averaged 1 to 2 degrees C below normal in the wettest areas of western India, with highs for the week failing to reach 30 degrees C. Warmer, drier weather is needed for proper crop development in this region, especially for soybeans, which have a tendency to yield lower when monsoon rains are overabundant. Elsewhere, scattered showers (15-35 mm, exceeding 50 mm in isolated areas) fell throughout cotton and rice areas of north-central India and Pakistan, but drier-than-normal conditions (25 mm or less) persisted over India's southern interior. Southern India's main grain, oilseed, and cotton areas need additional moisture for normal development.



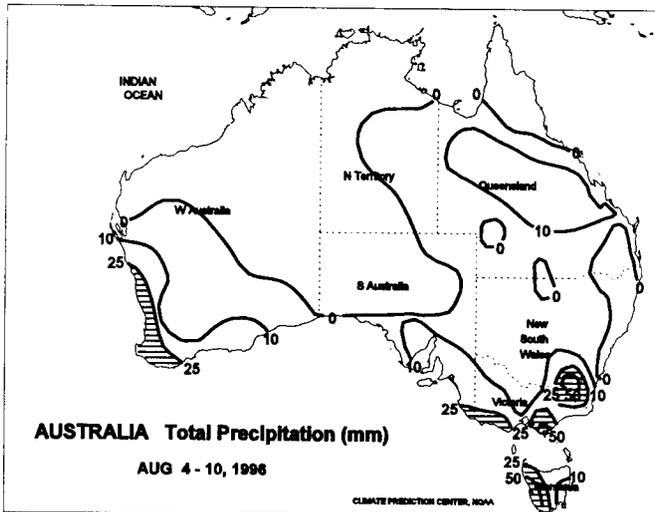
EASTERN ASIA

Widespread rain (25-75 mm) soaked the North China Plain, Manchuria, and the northern spring wheat areas, benefiting reproductive summer crops and filling spring wheat. Heavier amounts (100-175 mm) fell across portions of Hebei, Shanxi, and Shandong, causing local flooding. Mostly dry weather (less than 5 mm) prevailed across the lower Yangtze Valley, aiding flood recovery efforts and late double-crop rice planting. Tropical Storm Lisa hit the southeastern province of Fujian on August 6, with sustained winds of 40 knots (46 mph). The storm produced little wind damage but brought moderate to heavy rain (55-110 mm), causing some flooding. This region was hit by Typhoon Herb last week. Elsewhere in southern China, moderate showers (20-70 mm) maintained moisture supplies for rice. Temperatures averaged 1 to 3 degrees C above normal across most of China. Mostly dry, warm weather (temperatures 1-2 degrees C above normal) favored reproductive rice across South Korea and southern and central Japan. Moderate rain (20-60 mm) fell across North Korea and northern Japan (Hokkaido).



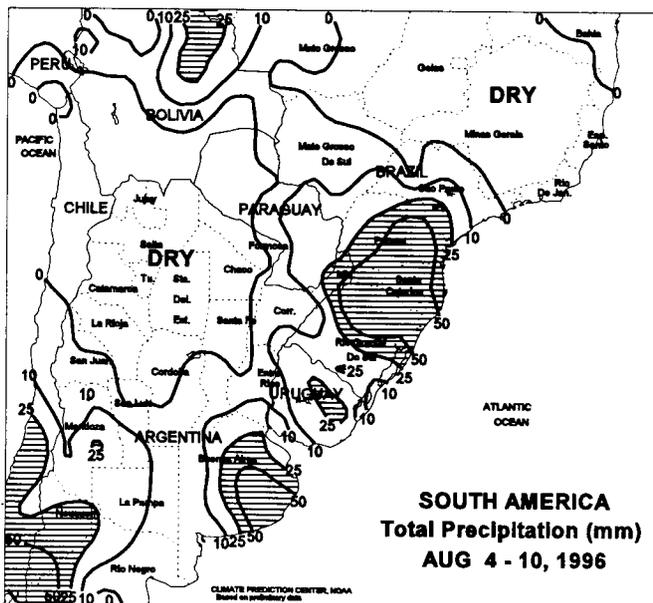
SOUTHEAST ASIA

Showers (30-60 mm) returned to central and eastern Thailand, increasing moisture supplies for corn, rice, and sugarcane. Showers (10-60 mm) continued to favor rice across northern and southern Vietnam. In the Philippines, mostly drier weather (10-50 mm) eased flooding across the central Islands and portions of Luzon. However, heavy rain (100-200 mm) continued along western Luzon, causing some additional flooding. Showers (40-70 mm) continued across peninsular Malaysia, favoring oil palm. Moderate to heavy showers (20-90 mm) prevailed across Java, especially in the east, boosting irrigation supplies for second-season rice.



AUSTRALIA

Scattered, mostly light showers (25 mm or less) continued throughout the main winter wheat and barley areas. Temperatures remained unseasonably cool in most areas, slowing vegetative growth. Sugarcane harvesting progressed along the northeastern coast. In New Zealand, light rain (4-21 mm) was reported in eastern South Island and southern sections of North Island, but moderate rain (25-59 mm) fell elsewhere.



SOUTH AMERICA

Light to moderate rain (5-40 mm, with isolated amounts greater than 50 mm) covered central Argentina, boosting topsoil moisture for vegetative wheat. The heaviest amounts fell over southeastern Buenos Aires. In southern Brazil, timely rain (5-30 mm) fell over southeastern Mato Grosso do Sul and northern Parana, favoring reproductive winter wheat. Heavier rain (40-80 mm) covered the wheat areas of eastern Parana southward into eastern Rio Grande do Sul, aiding vegetative wheat. Warmer weather (temperatures 2-3 degrees C above normal) aided wheat development. Light rain (less than 10 mm) helped to maintain coffee and citrus in Sao Paulo, without delaying harvesting.

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U.S. Crop Production Highlights

The following information was released by USDA's Agricultural Statistics Board on August 12, 1996. Forecasts refer to August 1.

Corn production is forecast at 8.69 billion bushels, up 18 percent (%) from last year but down 14% from the record-high production of 1994. Yields are expected to average 118.7 bushels per acre, up 5.2 bushels from a year ago. Acreage to be harvested, at 73.3 million acres, is down 1% from June but up 13% from 1995.

The first production forecast of the 1996 **soybean** crop is 2.30 billion bushels, up 7% from 1995 but 9% below the record-high production in 1994. Yield is forecast at 36.2 bushels per acre, 1.3 bushels above last year but 5.2 bushels below 1994. Area for harvest is estimated at 63.4 million acres, a 3% increase over the previous year. Planted acres, at 64.3 million, is up 420,000 acres from the June 1 forecast and 3% above 1995.

All cotton production is forecast at 18.6 million bales, up 4% from 1995. Yield is expected to average 686 pounds per acre, up 149 pounds from last year. Producers planted 14.2 million acres this year, 16% fewer than a year ago; they intend to harvest 13.0 million acres, down 19%. Texas is expected to produce 3.65 million bales from 4.10 million harvested acres, leaving abandonment of 1.10 million acres. Weather conditions early in the season adversely affected Texas' acreage, causing the high abandonment. Recent showers on the Plains have improved conditions. California's crop development was at least 1 week ahead of normal, as growing conditions during June and July were virtually ideal.

All wheat production for 1996 is forecast at 2.25 billion bushels, down 1% from July 1, but up 3% from 1995. Yields are now ex-

pected to average 35.6 bushels per acre, down 0.3 bushels per acre from last month.

Winter wheat production is forecast at 1.49 billion bushels. This is up 1% from July 1, but down 3% from 1995. The yield is forecast at 37.3 bushels per acre, up 0.3 bushels per acre from the last forecast. Grain area was unchanged.

Total Hard Red production is up from last month. Increased Kansas and Nebraska yields are the primary reasons. Soft Red production is down; yield declines in Illinois, Indiana, and Ohio were the cause. A Washington yield increase led to a slightly higher White Winter production.

Spring wheat (excluding durum) production is forecast at 635 million bushels, down 3% from the July forecast, but up 18% from 1995. This production would still be the second highest on record. Yield is forecast at 32.5 bushels per acre, down a bushel from last month. Grain area totals 19.6 million acres, up 18% from last season.

Declines in Washington and northern Idaho expected yields have lowered White Spring production. Hard Red Spring production is down from last month due to a reduced Montana yield.

Durum wheat is forecast at 120 million bushels, down 3% from last month, but up 17% from 1995. Yield is forecast at 34.6 bushels per acre, 1.1 bushels per acre lower than a month ago. Area for grain, at 3.46 million acres, is unchanged from the last forecast.

Climate Prediction Center, W/NP52
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