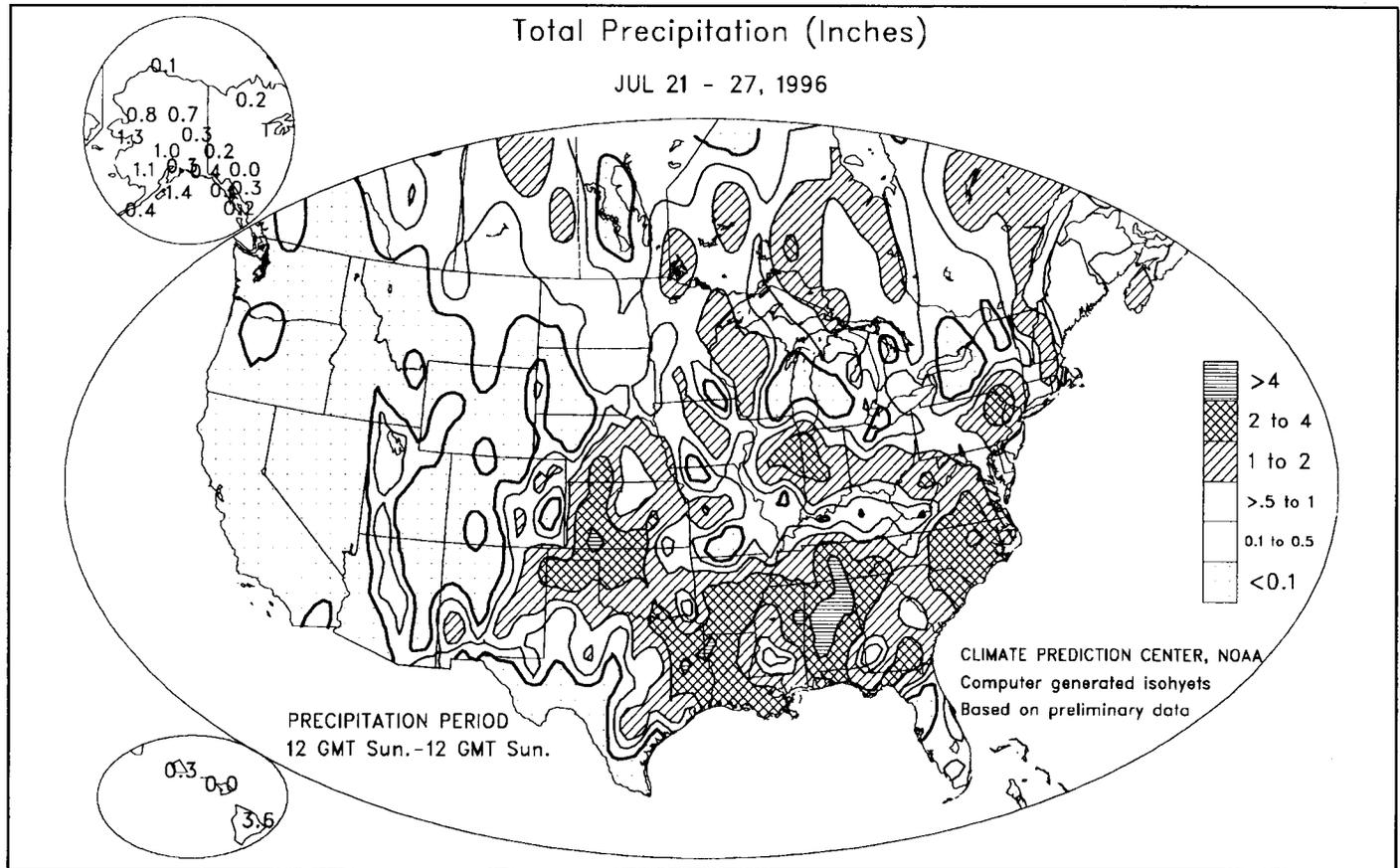


WEEKLY WEATHER AND CROP BULLETIN

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

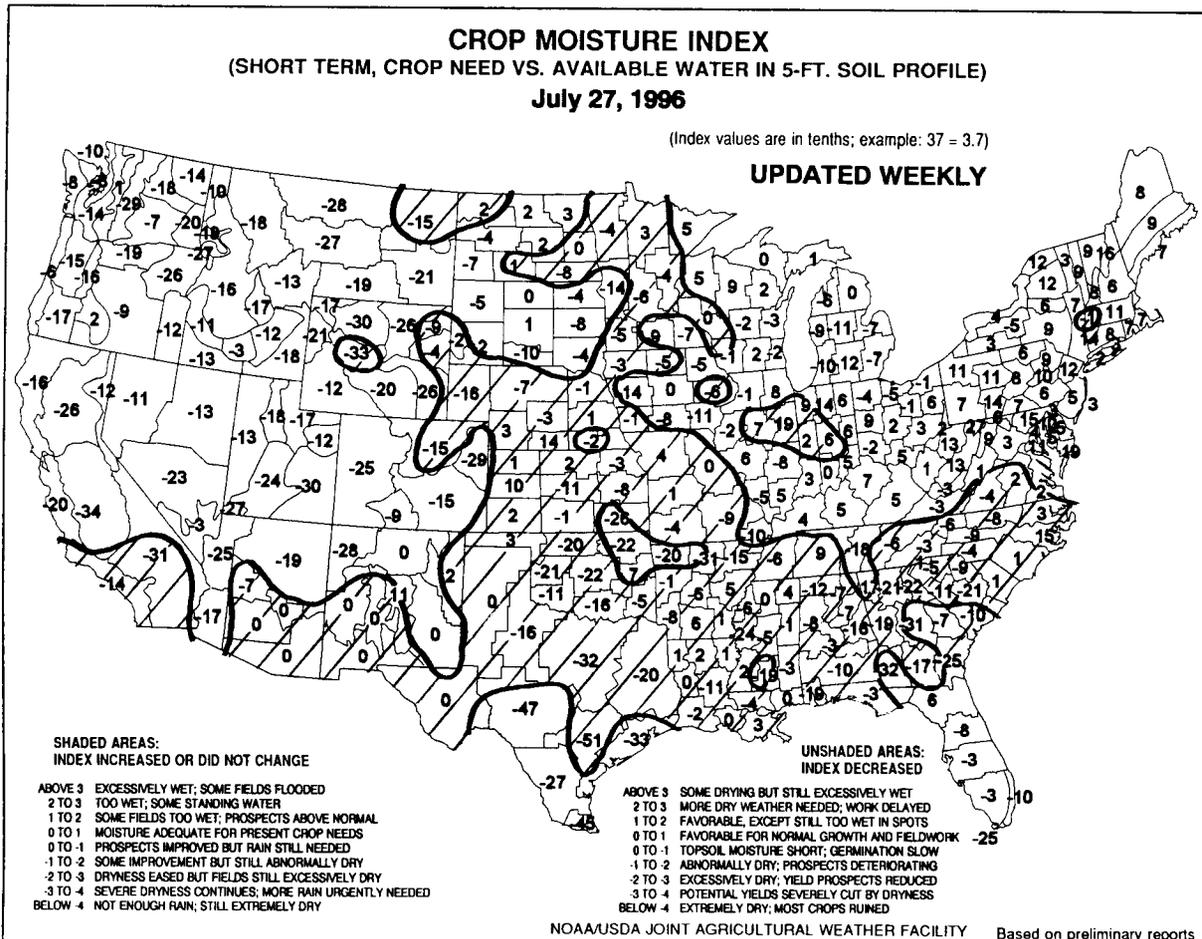
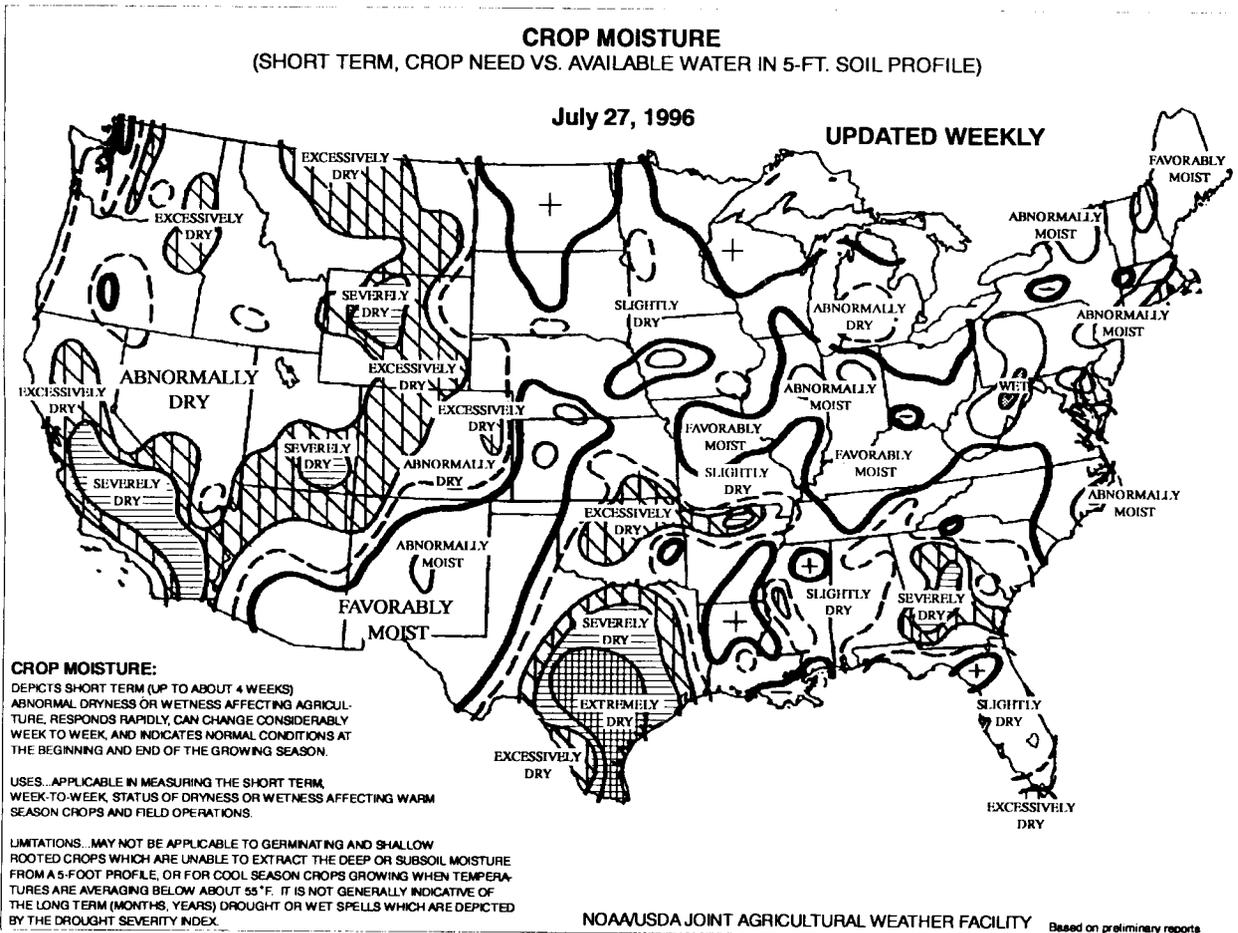
July 21 - 27, 1996

A sluggish, nearly stationary front--anchored by a highly amplified jet stream--governed a cool (temperatures 3 to 8°F below normal), damp pattern from the **Central States** to the **Middle Atlantic region**. Rainfall further tempered the effects of the 10-month drought from **Kansas** to **northern and eastern Texas**, and eased dryness in the **Southeast**. Reproductive **Corn Belt** crops benefited from the absence of heat stress and scattered thunderstorms. Meanwhile, hot (temperatures up to 10°F above normal), generally dry weather dominated the **West**.

(Continued on page 3)

Contents

Crop Moisture Maps	2
Temperature Departure Map	3
Extreme Maximum & Minimum Temperature Maps	4
Pan Evaporation Maps, July 14-20 and 21-27	5
Growing Degree Day Maps	6
National Weather Data for Selected Cities	7
National Agricultural Summary	10
Crop Progress and Condition Tables	11
Pasture Condition Table	13
State Agricultural Summaries	14
International Weather and Crop Summary	20
Important Change in Subscription Information	24



(Continued from front cover)

Early in the week, heat spread eastward through the **West**, while very cool conditions prevailed from the **Midwest** into the **East**. On Sunday, downtown **Sacramento, CA** notched a daily-record maximum of 106°F; in **Indiana**, **South Bend's** high of 62°F was their lowest on record in July. Farther east, daily-record lows included 42°F in **Beckley, WV** and 49°F in **Mansfield, OH**. A day later, **St. George, UT** registered their first of two daily records (110 and 112°F), and first of 3 110-degree days. July 23 proved to be the heat wave's peak in **Lake Havasu City, AZ** (123°F). In **Laughlin, NV**, highs soared to 118°F on Tuesday and Thursday. **California's Death Valley** tallied 7 consecutive 120-degree days (July 20-26), including a maximum of 125°F on July 25. Farther north, weekly departures in **Oregon** reached +10°F in **Portland** and +9°F in **Medford**.

During the week, cooler, wetter conditions evolved across the **South**. More than 1 inch of rain dampened parts of **Texas**, including **San Antonio** and **Wichita Falls**. A broad area of scattered 2- to 4-inch totals, extended from **Kansas** to eastern **Texas**, eastward to the southern **Appalachians**, including **Dodge City, KS**, **Shreveport, LA**, **Meridian, MS**, and **Birmingham, AL**. In **Oklahoma City, OK**, the weekly rainfall of 1.58 inches

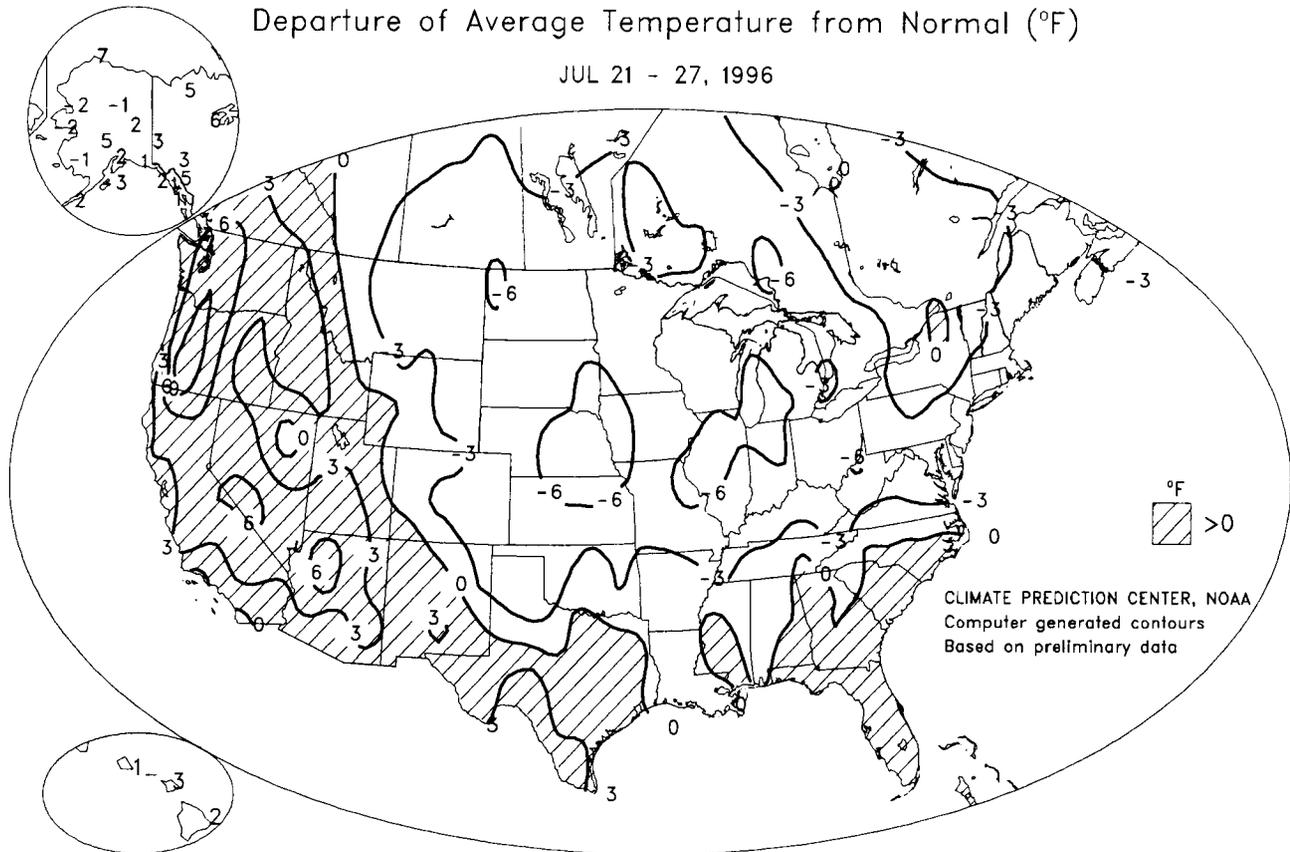
boosted their monthly total to a July-record 10.16 inches, eclipsing the mark set in 1950. Severe weather accompanied some of the thunderstorms, including wind gusts in **Kansas on Monday** to 86 mph at **Fl. Riley** (near **Junction City**) and 67 mph in **Concordia**. Across the **Midwest**, short-term moisture deficits persisted in a few pockets (including southern **Michigan** and portions of **Iowa** and **Minnesota**), while 2- to 4-inch rainfalls were confined to parts of **Illinois (Peoria)** and **Indiana (Indianapolis)**.

In **Des Moines, IA**, the mercury failed to exceed 85°F during the week, leaving their July total of 90-degree days at 2, compared with a monthly normal of 10. Through week's end, July temperatures had yet to reach the 90-degree plateau in **Philadelphia, PA**. Farther south, weekly temperatures averaged below normal, despite early-week, triple-digit heat in locations such as **Tulsa, OK** (103°F on Sunday) and **Little Rock, AR** (103°F on Monday). By Friday, lows in **Arkansas** dipped to daily-record levels in **Calico Rock** (53°F) and **Fayetteville** (56°F). Farther west, maxima remained below 70°F on Friday in parts of the central **Plains**, including **Chanute, KS** (69°F) and **Kansas City, MO** (68°F). Only **Peninsular Florida**, where highs on Saturday rose to daily-record levels in **Tampa** and **Orlando** (both 97°F), escaped the cooling trend.



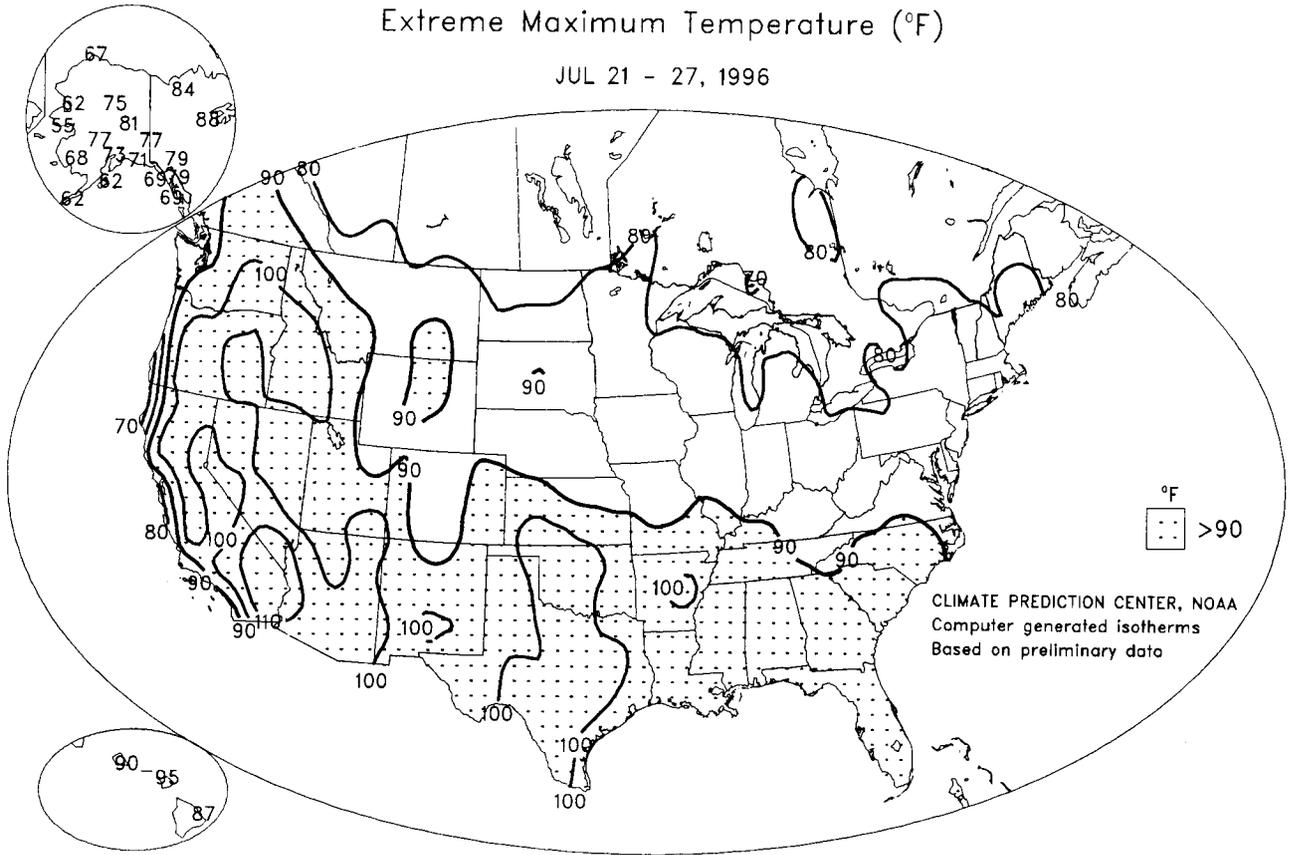
Departure of Average Temperature from Normal (°F)

JUL 21 - 27, 1996



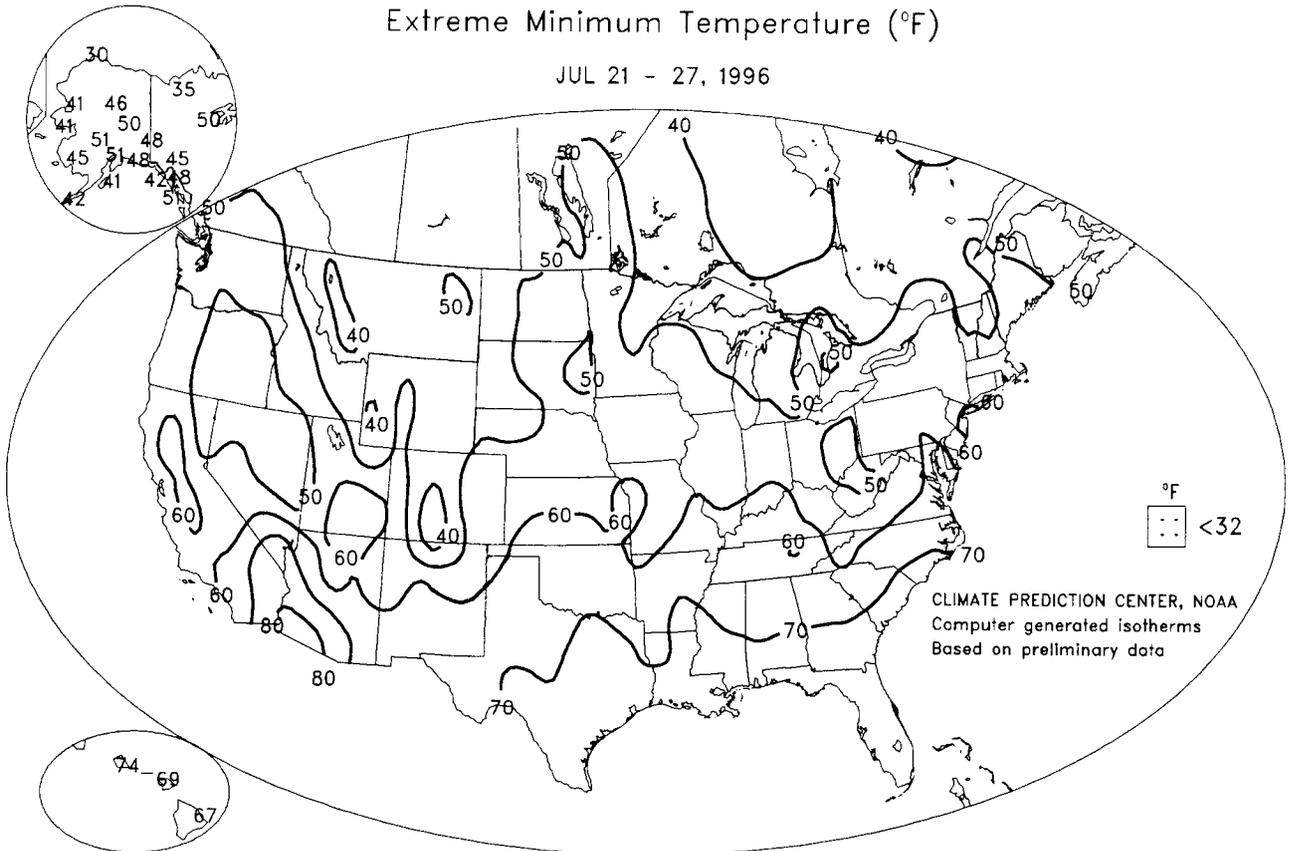
Extreme Maximum Temperature (°F)

JUL 21 - 27, 1996



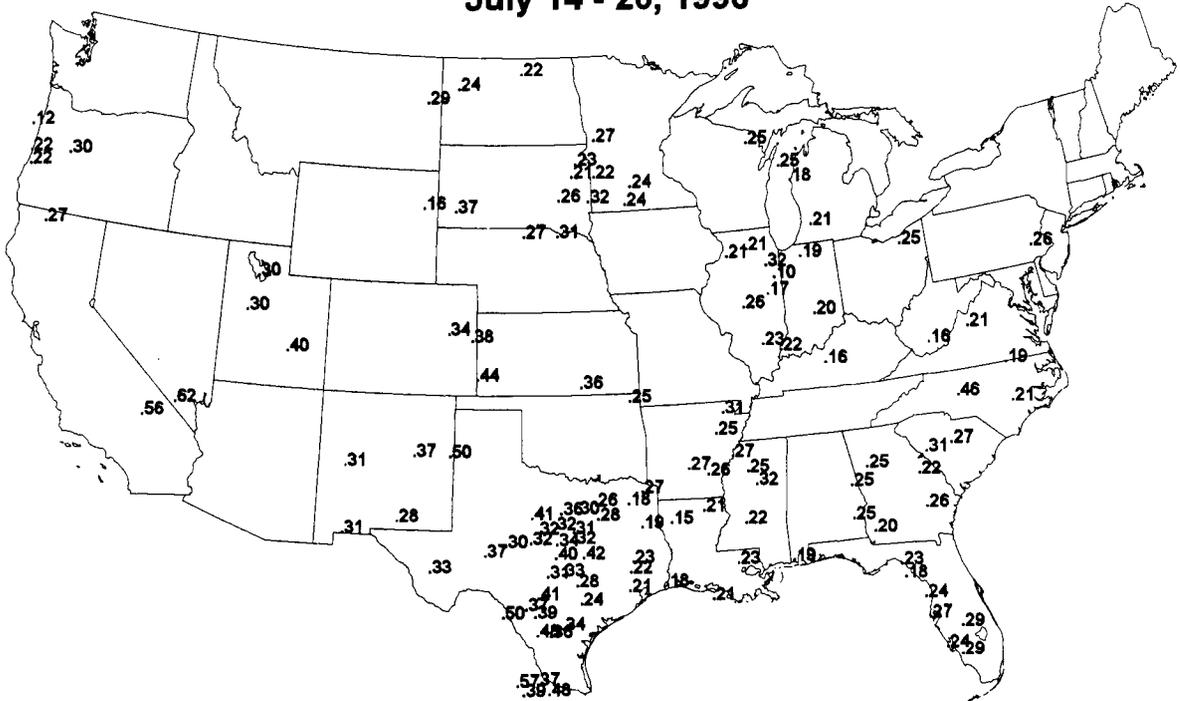
Extreme Minimum Temperature (°F)

JUL 21 - 27, 1996



Average Pan Evaporation (Inches/Day)

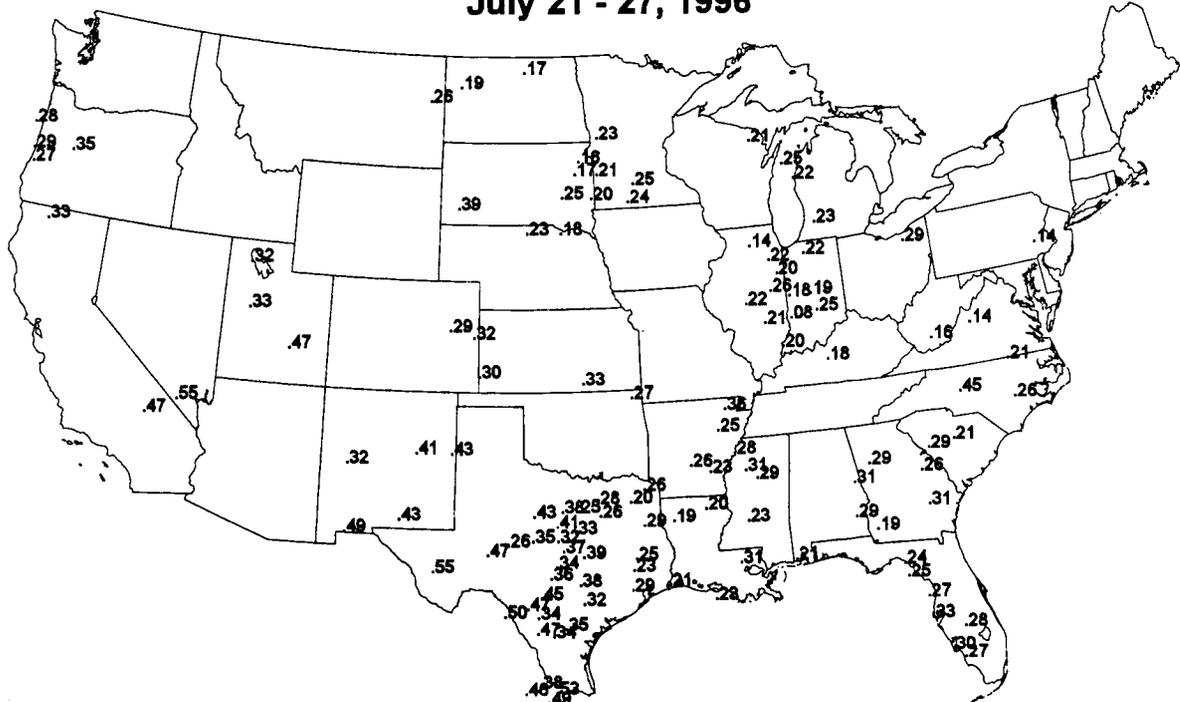
July 14 - 20, 1996



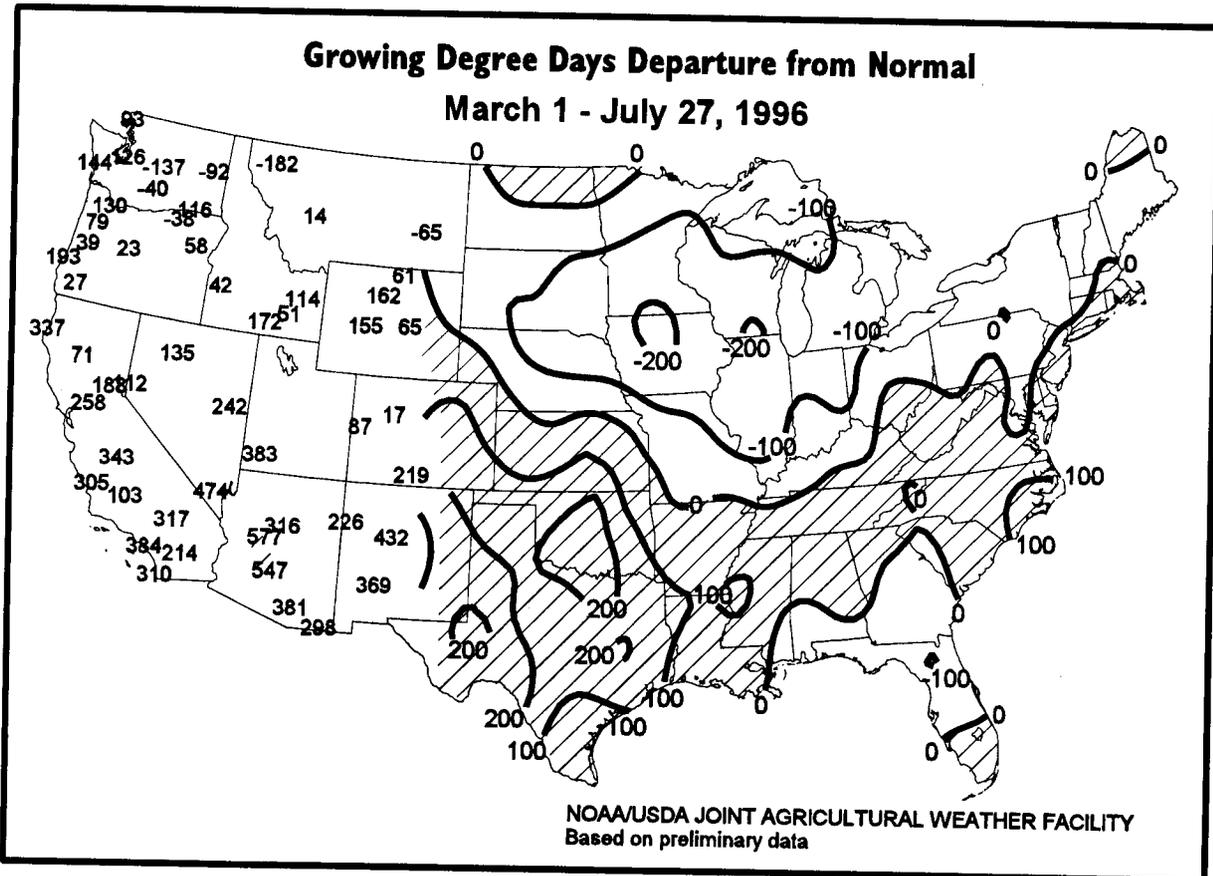
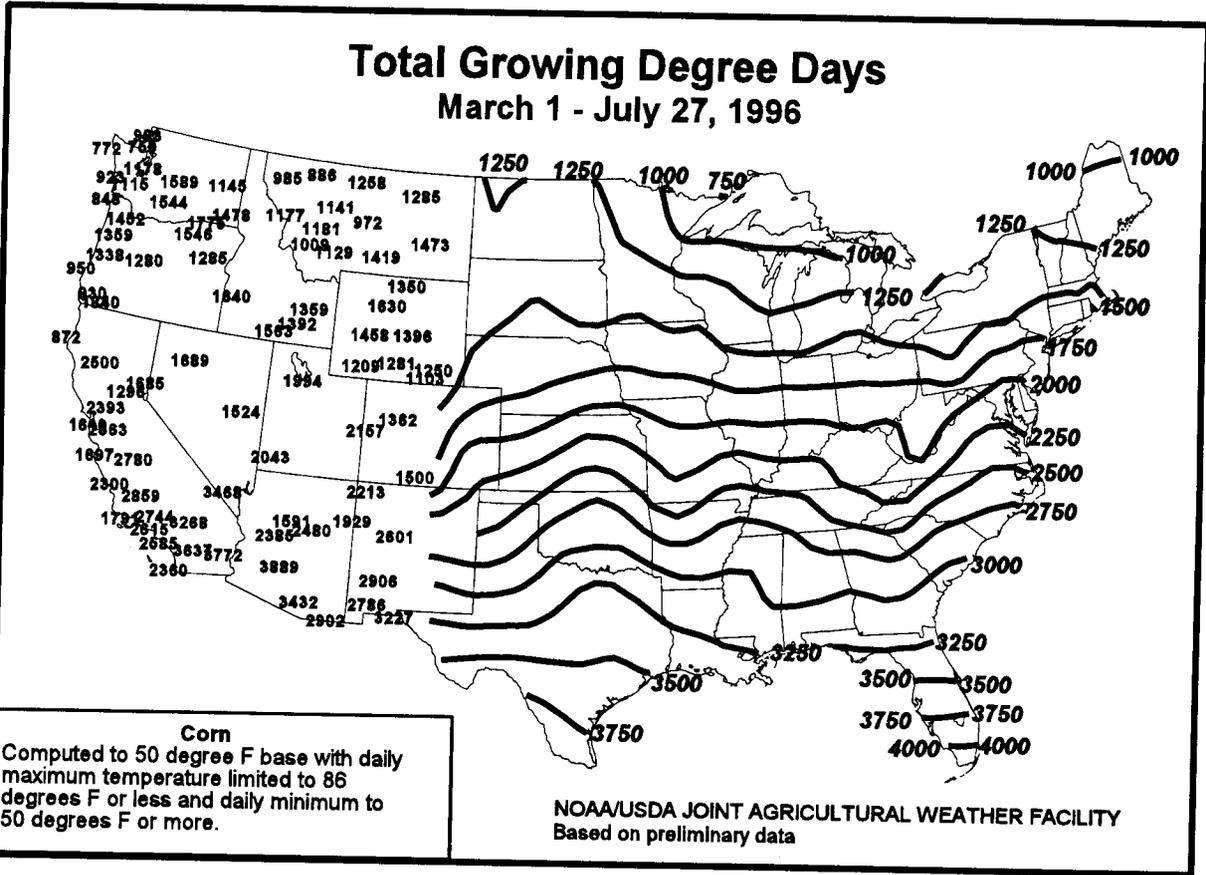
NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data

Average Pan Evaporation (Inches/Day)

July 21 - 27, 1996



NOAA/USDA JOINT AGRICULTURAL WEATHER FACILITY
Based on preliminary data



National Weather Data for Selected Cities

Weather Data for the Week Ending July 27, 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 JAN 1	PCT. NORMAL SINCE JAN 1	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	.01 INCH OR MORE	.05 INCH OR MORE
AL BIRMINGHAM	88	71	93	69	80	-1	2.95	1.78	1.39	9.94	119	41.06	120	96	57	3	0	4	3
MOBILE	89	73	93	69	81	-1	1.16	-0.47	0.60	10.01	91	41.80	110	96	59	4	0	3	2
MONTGOMERY	89	72	94	69	80	0	2.11	0.89	1.27	6.84	69	37.94	108	96	81	3	0	5	1
AK ANCHORAGE	67	55	73	51	61	2	0.27	-0.16	0.20	2.41	92	5.83	89	84	60	0	0	3	0
BARROW	55	39	67	30	47	7	0.05	-0.20	0.06	1.11	100	1.80	98	92	70	0	1	1	0
FAIRBANKS	74	54	81	50	64	2	0.26	-0.18	0.07	2.55	85	6.01	96	96	44	0	0	8	0
JUNEAU	71	51	79	48	61	4	..	..	..	..	..	..	..	94	56	0	0	..	..
KODIAK	57	49	62	41	53	-2	1.37	0.52	1.20	8.61	109	26.39	75	95	83	0	0	4	1
NOME	52	48	55	41	50	-2	1.28	0.73	0.59	2.49	83	8.20	130	98	85	0	0	5	1
AZ PHOENIX	107	82	109	73	94	0	0.13	-0.09	0.10	0.98	114	2.79	81	54	19	7	0	2	0
PRESCOTT	98	67	104	62	83	9	0.04	-0.81	0.04	1.81	49	3.81	40	66	25	7	0	1	0
TUCSON	102	77	105	72	90	3	0.34	-0.27	0.28	1.67	71	2.80	55	57	20	7	0	2	0
YUMA	109	86	111	82	97	3	0.00	-0.08	0.00	0.00	0	0.81	50	48	19	7	0	0	0
AR FORT SMITH	91	71	96	62	81	-1	0.73	0.07	0.36	9.80	181	27.98	118	90	53	4	0	3	0
LITTLE ROCK	..	..	..	..	..	..	4.90	4.23	..	10.03	..	28.07	100	..	..	..	..	..	..
CA BAKERSFIELD	101	72	105	68	87	2	0.00	0.00	0.00	0.00	0	4.20	110	55	22	7	0	0	0
EUREKA	63	52	64	51	57	0	0.01	-0.02	0.01	0.07	12	29.46	140	95	75	0	0	1	0
FRESNO	104	71	106	68	88	5	0.00	0.00	0.00	0.08	114	8.14	117	83	21	7	0	0	0
LOS ANGELES	78	65	86	62	71	1	0.00	0.00	0.00	0.00	0	8.72	113	84	60	0	0	0	0
REDDING	104	69	107	66	86	4	0.00	-0.03	0.00	0.43	64	27.79	147	68	17	7	0	0	0
SACRAMENTO	99	61	104	57	80	4	0.00	0.00	0.00	0.00	0	15.85	147	79	24	7	0	0	0
SAN DIEGO	76	65	78	63	70	-2	0.00	0.00	0.00	0.09	113	3.96	84	87	83	0	0	0	0
SAN FRANCISCO	71	54	74	52	62	-1	0.00	0.00	0.00	0.00	0	18.46	151	91	83	0	0	0	0
CO DENVER	85	58	91	53	72	-2	0.00	-0.43	0.00	2.46	72	5.86	59	79	28	2	0	0	0
GRAND JUNCTION	97	60	98	58	79	-2	0.00	-0.17	0.00	1.20	90	5.33	96	68	10	7	0	0	0
PUEBLO	89	58	96	54	74	-4	0.96	0.46	0.37	5.21	170	8.94	136	90	27	4	0	4	0
CT BRIDGEPORT	75	64	82	62	70	-6	0.72	-0.13	0.41	7.91	117	30.82	125	88	80	0	0	2	0
HARTFORD	77	62	82	56	69	-5	0.87	0.16	0.48	9.02	139	31.28	126	86	54	0	0	3	0
DC WASHINGTON	83	68	87	65	76	-5	1.24	0.36	1.08	6.46	127	27.20	125	83	51	0	0	3	1
FL PANAMA CITY	88	77	91	72	83	2	2.56	0.46	2.56	..	..	..	..	89	81	4	0	1	1
DAYTONA BEACH	93	73	96	71	83	2	0.08	-1.13	0.08	13.01	122	36.55	144	98	50	7	0	1	0
JACKSONVILLE	92	75	94	74	84	2	0.59	-0.71	0.28	15.11	143	27.89	101	93	59	6	0	4	0
KEY WEST	90	82	90	78	86	1	0.00	-0.80	0.00	4.85	57	13.02	86	80	68	5	0	0	0
MIAMI	90	79	91	77	85	2	0.12	-1.08	0.12	18.83	119	33.12	110	79	59	5	0	1	0
ORLANDO	96	73	97	71	84	2	0.07	-1.53	0.06	10.36	78	32.78	118	95	47	7	0	2	0
TALLAHASSEE	93	73	98	70	83	1	1.53	-0.48	0.84	7.73	53	27.96	70	98	57	5	0	3	2
TAMPA	92	79	97	77	86	4	0.05	-1.51	0.05	11.10	99	27.59	117	94	55	6	0	1	0
WEST PALM BEACH	91	78	94	75	85	2	0.00	-1.30	0.00	9.33	71	22.44	71	83	54	7	0	0	0
GA ATLANTA	89	72	95	70	81	1	1.01	-0.13	0.57	3.74	47	27.54	86	90	48	4	0	5	1
AUGUSTA	91	71	94	69	81	0	0.46	-0.52	0.26	6.21	80	19.91	71	95	56	4	0	2	0
MACON	91	72	94	70	81	0	0.62	-0.36	0.58	4.65	63	22.96	80	96	58	4	0	3	1
SAVANNAH	91	74	96	72	82	0	1.00	-0.52	0.48	4.98	45	16.39	56	94	62	5	0	4	0
HI HILO	85	71	87	67	78	2	3.58	1.24	1.60	19.45	132	71.83	97	90	81	0	0	4	3
HONOLULU	88	75	90	74	82	1	0.26	0.12	0.13	0.86	82	6.53	73	81	57	1	0	3	0
KAHULUI	92	72	95	69	82	3	0.00	-0.10	0.00	0.22	37	13.02	100	80	53	6	0	0	0
LIHUE	..	75	..	72	..	..	..	..	..	..	..	..	..	85	88	..	..	..	..
ID BOISE	97	63	103	58	80	5	0.00	-0.08	0.00	0.16	15	7.44	103	59	13	7	0	0	0
LEWISTON	98	61	103	56	79	4	0.00	-0.14	0.00	0.70	38	11.15	147	59	16	6	0	0	0
POCATELLO	93	52	98	48	72	1	0.00	-0.14	0.00	0.13	8	7.19	98	69	13	6	0	0	0
IL CHICAGO	78	59	82	53	68	-5	0.19	-0.65	0.09	8.48	123	21.48	110	89	53	0	0	3	0
MOLINE	80	61	83	58	70	-5	0.37	-0.75	0.20	4.30	50	19.12	84	98	57	0	0	3	0
PEORIA	77	60	83	57	69	-7	2.64	1.73	1.98	5.44	71	19.85	94	95	59	0	0	4	1
QUINCY	79	62	84	59	70	-8	..	..	..	..	..	..	..	96	58	0	0	..	..
ROCKFORD	77	58	82	55	67	-6	0.19	-0.72	0.15	11.99	148	29.19	143	97	57	0	0	2	0
SPRINGFIELD	79	60	84	56	69	-7	1.72	0.92	1.50	4.89	75	22.27	109	98	80	0	0	4	1
IN EVANSVILLE	83	65	87	61	74	-5	0.04	-0.98	0.04	7.85	99	37.33	133	91	52	0	0	1	0
FORT WAYNE	78	59	83	53	68	-6	0.87	-0.10	0.42	11.97	182	28.02	139	95	53	0	0	2	0
INDIANAPOLIS	78	61	84	59	70	-6	2.26	1.24	1.64	9.07	122	32.33	136	95	56	0	0	3	2
SOUTH BEND	76	58	81	54	67	-6	0.42	-0.42	0.30	11.93	160	28.59	131	92	53	0	0	2	0
IA DES MOINES	80	62	85	57	71	-4	0.33	-0.52	0.14	6.54	82	21.31	106	93	49	0	0	4	0
SIoux CITY	80	58	83	53	69	-7	0.54	-0.17	0.37	12.15	185	21.43	135	98	50	0	0	5	0
WATERLOO	79	59	84	52	68	-4	0.81	-0.45	0.44	6.48	74	16.55	81	96	55	0	0	2	0
KS CONCORDIA	83	61	86	56	72	-8	0.27	-0.53	0.21	2.11	28	13.00	73	93	52	0	0	2	0
DODGE CITY	90	65	104	62	77	-3	2.38	1.88	1.22	6.42	108	12.59	91	92	45	3	0	4	2
GOODLAND	85	58	93	52	72	-5	1.82	1.23	1.81	5.80	98	12.04	96	94	42	2	0	2	1
TOPEKA	83	64	89	60	74	-5	1.09	0.35	0.59	9.40	109	20.95	101	95	57	0	0	2	2
WICHITA	88	68	93	61	78	-3	1.31	0.59	1.05	4.43	51	12.28	59	86	47	4	0	2	1
KY BOWLING GREEN	83	67	92	61	75	-3	0												

Weather Data for the Week Ending July 27, 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 JAN 1	PCT. NORMAL SINCE JAN 1	TOTAL IN, SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	92 AND BELOW	0.1 INCH OR MORE	
																		0.1 INCH OR MORE	0.5 INCH OR MORE
ME CARIBOU	71	56	78	48	63	-3	0.09	-0.87	0.08	10.03	156	25.58	136	90	83	0	0	2	0
ME PORTLAND	72	57	77	51	64	-5	0.83	-0.05	0.29	7.31	119	28.52	116	93	72	0	0	3	0
MD BALTIMORE	83	64	87	59	73	-4	1.36	0.50	1.06	6.77	99	29.04	124	93	54	0	0	3	1
MD SALISBURY	84	63	87	57	73	-4	1.75	0.69	1.56	7.01	96	29.94	117	100	50	0	0	3	1
MA BOSTON	76	63	83	60	69	-5	0.87	0.22	0.77	5.48	99	25.83	110	87	61	0	0	2	1
MA CHATHAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MI ALPENA	76	53	81	49	64	-3	0.22	-0.46	0.15	5.26	94	12.58	80	96	50	0	0	4	0
MI DETROIT	80	60	86	54	70	-3	0.51	-0.21	0.35	2.96	46	14.33	78	94	44	0	0	2	0
MI FLINT	79	53	82	47	68	-4	0.06	-0.58	0.06	4.88	88	14.98	93	93	42	0	0	1	0
MI GRAND RAPIDS	79	55	83	50	67	-5	0.00	-0.72	0.00	6.78	106	16.93	89	87	39	0	0	0	0
MI HOUGHTON LAKE	76	50	78	46	63	-5	0.03	-0.56	0.03	8.25	157	16.79	113	82	46	0	0	1	0
MI LANSING	79	50	84	46	66	-6	0.04	-0.66	0.04	5.46	98	15.03	92	97	41	0	0	1	0
MI MARQUETTE	73	51	79	43	62	-4	0.26	-0.38	0.22	7.20	121	25.84	139	90	56	0	0	3	0
MI MUSKEGON	74	53	78	47	64	-7	0.00	-0.52	0.00	5.20	126	15.28	95	91	50	0	0	0	0
MI SAULT ST. MARIE	70	48	77	44	59	-5	1.48	0.86	1.10	7.98	146	20.66	121	87	65	0	0	4	1
MN ALEXANDRIA	77	57	82	52	67	-5	-	-	-	-	-	-	-	94	49	0	0	-	-
MN DULUTH	71	53	76	50	62	-5	1.25	0.43	0.89	12.30	177	18.56	114	92	82	0	0	4	1
MN INT'L FALLS	75	53	83	49	64	-3	0.29	-0.48	0.12	7.31	103	14.84	108	95	50	0	0	3	0
MN MINNEAPOLIS	80	58	82	51	69	-5	0.82	0.06	0.51	6.42	90	13.06	78	89	42	0	0	4	1
MN ROCHESTER	78	56	78	54	66	-5	0.19	-0.77	0.16	8.26	111	16.77	98	91	51	0	0	2	0
MS GREENWOOD	92	72	97	70	82	0	-	-	-	-	-	-	-	96	51	5	0	-	-
MS JACKSON	90	73	96	71	82	0	1.08	0.16	0.56	8.88	129	34.86	102	92	50	3	0	4	1
MS MERIDIAN	90	71	94	69	80	-1	2.86	1.69	0.91	12.97	158	38.00	107	97	57	4	0	5	3
MO CAPE GIRARDEAU	86	67	93	62	77	-3	0.02	-0.78	0.02	3.96	61	23.80	96	94	50	1	0	1	0
MO COLUMBIA	81	63	87	58	72	-5	1.71	0.90	1.39	4.78	66	23.09	104	96	57	0	0	3	1
MO KANSAS CITY	80	63	86	58	72	-7	0.54	-0.42	0.22	8.73	102	23.83	110	95	56	0	0	3	0
MO SAINT LOUIS	82	66	91	62	74	-6	0.22	-0.81	0.20	6.33	89	25.47	115	90	54	1	0	2	0
MO SPRINGFIELD	86	64	91	56	75	-3	0.00	-0.82	0.00	3.50	46	18.49	77	90	48	2	0	0	0
MT BILLINGS	85	58	91	53	71	-3	0.04	-0.13	0.04	1.34	48	8.83	87	81	26	2	0	1	0
MT GLASGOW	83	54	88	51	69	-3	0.26	-0.10	0.28	2.68	74	5.27	73	80	26	0	0	1	0
MT GREAT FALLS	82	48	89	46	65	-4	0.00	-0.25	0.00	1.26	36	6.00	60	78	26	0	0	0	0
MT HAVRE	82	51	90	46	67	-4	0.00	-0.30	0.00	2.12	72	6.26	87	82	32	1	0	0	0
MT HELENA	86	50	92	46	68	-2	0.00	-0.22	0.00	2.39	86	7.03	96	78	22	1	0	0	0
MT KALISPELL	84	47	90	38	66	1	0.01	-0.21	0.01	1.91	61	14.90	152	80	39	1	0	1	0
MT MILES CITY	86	55	90	52	70	-6	0.00	-0.28	0.00	0.91	22	9.54	101	73	24	2	0	0	0
MT MISSOULA	90	49	97	40	69	2	0.00	-0.19	0.00	1.82	75	10.17	121	90	22	5	0	0	0
NE GRAND ISLAND	81	61	85	55	71	-6	0.61	0.20	0.66	7.67	121	20.88	130	91	47	0	0	3	1
NE LINCOLN	82	60	86	53	71	-7	0.17	-0.56	0.15	5.56	83	20.84	126	96	49	0	0	2	0
NE NORFOLK	81	59	86	52	70	-5	0.88	0.23	0.49	5.70	78	13.11	79	92	47	0	0	3	0
NE NORTH PLATTE	81	57	84	52	69	-5	1.41	0.78	0.78	8.59	142	14.37	108	94	43	0	0	5	1
NE OMAHA	82	62	85	56	72	-6	1.19	0.42	0.91	5.32	77	20.02	113	88	47	0	0	2	1
NE SCOTTSBLUFF	82	57	90	51	69	-5	0.24	-0.16	0.14	2.74	62	9.98	91	90	38	1	0	3	0
NE VALENTINE	86	58	88	46	71	-5	0.30	-0.43	0.23	2.91	46	9.93	69	91	33	0	0	2	0
NV ELY	92	49	96	42	71	2	0.04	-0.13	0.04	0.26	17	4.71	78	73	10	6	0	1	0
NV LAS VEGAS	108	82	113	78	95	4	0.24	0.15	0.21	0.40	96	0.91	40	42	16	7	0	3	0
NV RENO	97	55	99	50	76	4	0.00	-0.08	0.00	0.84	124	7.21	158	78	12	7	0	0	0
NV WINNEMUCCA	100	56	102	43	78	5	0.00	-0.06	0.00	0.58	53	6.06	122	64	13	7	0	0	0
NH CONCORD	77	56	82	47	66	-4	0.78	0.02	0.65	7.33	122	27.29	137	96	56	0	0	3	1
NJ ATLANTIC CITY	80	61	82	55	71	-5	0.30	-0.63	0.28	8.48	142	28.15	122	92	56	0	0	2	0
NM ALBUQUERQUE	93	70	98	66	82	3	0.00	-0.36	0.00	4.14	231	4.53	107	56	18	7	0	0	0
NM CLOVIS	88	65	95	63	77	0	0.82	0.23	0.27	-	-	8.63	93	91	37	3	0	4	0
NM ROSWELL	95	69	100	64	82	1	0.31	-0.12	0.26	-	-	8.61	149	73	26	6	0	2	0
NY ALBANY	79	60	82	54	70	-3	1.08	0.34	0.79	9.96	156	26.63	130	88	57	0	0	3	1
NY BINGHAMTON	74	57	79	53	66	-4	0.51	-0.26	0.34	8.84	133	25.17	121	91	56	0	0	3	0
NY BUFFALO	78	60	82	57	69	-3	1.07	0.36	0.97	8.14	132	24.86	124	82	50	0	0	3	1
NY NEW YORK	79	67	83	64	73	-4	0.57	-0.37	0.46	8.31	116	25.66	105	85	57	0	0	2	0
NY ROCHESTER	79	57	83	51	68	-3	0.26	-0.37	0.21	8.07	151	23.35	135	92	53	0	0	2	0
NY SYRACUSE	80	59	84	56	70	-1	0.06	-0.80	0.06	6.78	95	21.06	100	86	49	0	0	1	0
NC ASHEVILLE	82	63	85	56	72	-1	0.76	-0.37	0.56	6.80	76	24.64	77	99	58	0	0	3	1
NC CHARLOTTE	89	69	94	64	79	-1	1.04	0.13	0.78	5.50	81	23.38	92	87	56	3	0	3	1
NC GREENSBORO	86	67	91	62	77	-1	2.58	1.54	1.33	4.91	63	23.93	96	91	53	1	0	3	2
NC HATTERAS	85	74	86	67	80	1	0.77	-0.43	0.31	13.39	158	-	-	97	71	0	0	4	0
NC NEW BERN	91	73	94	71	82	2	0.71	-0.92	0.36	7.90	69	25.06	78	98	58	5	0	3	0
NC RALEIGH	87	70	90	64	79	0	1.55	0.62	0.90	8.27	115	25.46	103	93	59	1	0	3	1
NC WILMINGTON	89	73	92	70	81	1	1.21	-0.44	0.97	12.30	112	26.61	84	98	66	4	0	3	1
ND BISMARCK	78	55	82	49	66	-5	0.15	-0.29	0.09	5.80	127	10.74	106	87	36	0	0	2	0
ND FARGO	79	54	88	48	67	-5	0.56	-0.04	0.38	2.36	46	7.44	63	91	46	0	0	3	0
ND GRAND FORKS	77	56	84	53	67	-3	0.48	-0.11	0.32	4.96	96	10.42	96	93	49	0	0	4	0
ND WILLISTON	78	54	81	50	66	-6	0.00	-0.43	0.00	4.74	115	8.00	88	89	40	0	0	0	0
OH AKRON-CANTON	79	57	82	49	68	-4	0.26	-0.67	0.13	8.94	132	23.69	110	91	44	0	0	3	0
OH CINCINNATI	79	60	85	57	70	-6	0.84	-0.10	0.51	7.63	101	36.07	143	95	53	0	0	4	1
OH CLEVELAND	77	59	82	50	68	-4	0.13	-0.64	0.08	5.91	88	20.70	100	84	49	0	0	2	0
OH COLUMBUS	79	60	83	53	70	-3	1.79	0.94	1.15	8.14	115	30.59	139	88	49	0	0	3	2
OH DAYTON	78	60	83	56	69	-6	1.08	0.30	0.65	9.46	137	35.79	162	92	51	0	0	2	1

Based on 1961-90 normals

Weather Data for the Week Ending July 27, 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	
OK TOLEDO	81	69	86	50	70	-2	0.01	-0.71	0.01	5.68	86	18.88	100	89	46	0	0	1	0	
OK YOUNGSTOWN	77	56	81	47	66	-4	0.15	-0.74	0.09	6.81	88	23.39	109	99	53	0	0	3	0	
OK OKLAHOMA CITY	90	70	101	67	80	-3	1.58	1.06	1.37	12.37	198	18.64	92	82	51	4	0	2	1	
OK TULSA	92	71	103	64	82	-2	0.00	-0.84	0.00	4.82	85	10.85	46	94	41	5	0	0	0	
OR ASTORIA	73	54	84	48	64	3	0.00	-0.22	0.00	3.28	97	46.65	128	96	82	0	0	0	0	
OR BURNS	94	-	96	-	-	-	0.00	-0.08	0.00	0.96	57	7.84	141	58	15	6	0	0	0	
OR MEDFORD	103	64	105	55	83	9	0.01	-0.06	0.01	0.31	40	14.41	153	69	20	7	0	1	0	
OR PENDLETON	98	60	105	55	79	5	0.00	-0.08	0.00	0.48	51	8.76	128	59	16	6	0	0	0	
OR PORTLAND	93	64	98	59	79	10	0.00	-0.13	0.00	1.26	63	31.81	165	78	33	6	0	0	0	
OR SALEM	93	59	98	56	78	9	0.00	-0.11	0.00	1.81	89	35.02	189	87	31	6	0	0	0	
PA ALLENTOWN	79	59	85	52	69	-6	0.55	-0.41	0.38	10.81	147	31.00	126	91	52	0	0	4	0	
PA ERIE	78	61	80	53	68	-4	0.16	-0.81	0.12	10.76	163	27.47	129	90	55	0	0	3	0	
PA HARRISBURG	82	64	86	59	73	-3	0.21	-0.59	-	11.87	171	31.22	132	96	52	0	0	-	-	
PA PHILADELPHIA	81	65	86	61	73	-2	1.08	0.04	0.94	9.31	112	26.77	100	89	53	0	0	4	1	
PA PITTSBURGH	77	59	81	51	68	-4	0.32	-0.51	0.26	11.04	158	29.18	132	94	56	0	0	4	0	
PA SCRANTON	78	59	83	54	69	-3	1.84	1.01	1.28	9.23	126	28.86	138	91	53	0	0	3	2	
RI PROVIDENCE	76	63	81	58	70	-4	0.52	-0.22	0.46	7.28	119	25.32	99	87	60	0	0	2	0	
SC CHARLESTON	90	74	94	72	82	0	1.24	-0.34	0.77	10.33	83	21.11	70	94	82	4	0	6	1	
SC COLUMBIA	92	73	97	69	82	1	1.28	-0.02	0.54	4.73	49	20.45	68	89	51	4	0	3	1	
SC FLORENCE	89	72	95	70	81	0	0.00	-1.27	0.00	5.00	54	15.76	59	100	62	3	0	0	0	
SC GREENVILLE	88	68	93	62	78	0	0.90	-0.11	0.85	5.86	66	30.93	99	94	58	2	0	3	1	
SC ABERDEEN	79	55	87	50	67	-6	1.34	0.63	1.31	6.02	98	13.74	103	95	46	0	0	2	1	
SD HURON	82	56	87	50	69	-6	0.32	-0.23	0.32	3.43	60	10.37	77	82	43	0	0	1	0	
SD RAPID CITY	84	54	87	47	69	-4	0.00	-0.41	0.00	1.73	36	13.69	120	78	30	0	0	0	0	
SD SIOUX FALLS	82	56	85	50	69	-6	0.11	-0.47	0.08	2.30	40	10.11	71	95	44	0	0	2	0	
TN CHATTANOOGA	87	69	94	63	78	-1	1.81	0.72	0.80	6.36	81	31.22	96	92	50	2	0	5	1	
TN KNOXVILLE	84	68	89	63	76	-1	0.80	-0.22	0.48	5.50	68	29.92	102	94	53	0	0	3	0	
TN MEMPHIS	89	70	97	66	79	-3	2.54	1.69	1.19	14.57	213	37.66	122	91	48	3	0	3	2	
TN NASHVILLE	86	69	93	64	77	-2	3.16	2.28	2.07	7.80	111	27.53	96	91	64	1	0	2	2	
TX ABILENE	95	72	99	68	84	-1	0.22	-0.25	0.22	3.37	73	9.86	75	77	36	7	0	1	0	
TX AMARILLO	86	63	88	61	78	-3	2.53	1.95	1.18	7.23	122	9.46	82	94	40	2	0	6	2	
TX AUSTIN	99	75	102	73	87	2	0.00	-0.39	0.00	4.56	84	9.52	51	82	31	7	0	0	0	
TX BEAUMONT	91	72	98	72	82	-1	0.70	-0.50	0.53	11.52	112	18.75	60	100	66	5	0	3	1	
TX BROWNSVILLE	96	78	97	74	87	2	0.07	-0.34	0.07	0.66	15	1.46	12	89	49	7	0	1	0	
TX CORPUS CHRISTI	96	78	98	72	86	2	0.01	-0.51	0.01	1.46	27	4.32	28	91	49	7	0	1	0	
TX DEL RIO	101	79	103	74	90	6	0.00	-0.43	0.00	0.08	2	2.31	17	71	25	7	0	0	0	
TX EL PASO	95	71	97	69	83	1	0.01	-0.38	0.01	3.83	178	4.41	120	82	25	7	0	1	0	
TX FORT WORTH	95	75	99	72	85	1	0.22	-0.23	0.21	7.21	140	14.01	65	84	44	7	0	2	0	
TX GALVESTON	90	80	92	79	85	2	0.22	-0.66	0.20	1.68	21	6.40	29	80	62	5	0	2	0	
TX HOUSTON	94	73	97	70	84	1	0.01	-0.90	0.01	6.96	70	12.22	41	95	51	6	0	1	0	
TX LUBBOCK	92	66	98	64	79	-1	0.93	0.41	0.82	4.87	101	7.74	78	79	37	5	0	3	1	
TX MIDLAND	97	72	100	69	84	3	0.04	-0.35	0.04	2.02	72	3.55	48	67	25	7	0	1	0	
TX SAN ANGELO	99	73	101	70	86	3	0.03	-0.19	0.03	1.96	61	7.02	65	75	27	7	0	1	0	
TX SAN ANTONIO	99	75	102	70	87	1	1.31	0.87	0.66	3.40	80	5.81	33	87	31	7	0	2	2	
TX SAN ANTONIO	98	75	102	70	87	1	1.31	0.87	0.66	3.40	80	5.81	33	87	31	7	0	2	2	
TX VICTORIA	96	75	99	72	85	2	0.13	-0.77	0.13	6.73	81	10.07	42	97	43	7	0	1	0	
TX WACO	96	75	101	73	86	0	0.69	0.31	0.39	4.80	96	10.83	56	88	36	7	0	3	0	
TX WICHITA FALLS	97	73	107	66	85	0	1.02	0.88	0.78	3.25	61	7.19	43	77	37	8	0	2	1	
UT CEDAR CITY	98	62	99	58	79	4	0.00	-0.29	0.00	1.24	91	6.14	99	46	17	7	0	0	0	
UT SALT LAKE CITY	98	65	102	58	81	2	0.00	-0.19	0.00	0.48	29	11.38	115	59	13	7	0	0	0	
VT BURLINGTON	79	59	82	51	69	-2	1.05	0.20	0.74	8.91	134	27.01	148	90	53	0	0	4	1	
VA NORFOLK	84	71	86	69	77	-1	0.25	-0.94	0.21	10.99	133	31.57	121	93	59	0	0	2	0	
VA RICHMOND	84	65	88	59	74	-4	1.43	0.25	1.29	9.46	118	24.03	96	91	46	0	0	3	1	
VA ROANOKE	85	62	89	54	73	-3	0.19	-0.74	0.19	10.11	154	29.39	128	87	47	0	0	1	0	
WA QUILLAYUTE	77	51	85	46	64	4	0.00	-0.55	0.00	2.96	56	50.56	89	81	50	0	0	0	0	
WA SEATTLE-TACOMA	86	61	91	56	74	8	0.00	-0.17	0.00	1.36	63	26.52	139	78	38	2	0	0	0	
WA SPOKANE	92	57	97	50	75	5	0.00	-0.14	0.00	1.81	88	12.09	128	78	19	5	0	0	0	
WA YAKIMA	97	56	101	49	76	6	0.00	-0.03	0.00	0.14	22	5.29	125	77	21	6	0	0	0	
WV BECKLEY	78	57	80	48	68	-4	0.14	-0.90	0.14	7.96	100	30.81	124	95	57	0	0	1	0	
WV CHARLESTON	78	62	84	53	70	-5	0.84	-0.31	0.66	9.02	113	33.20	133	97	58	0	0	3	1	
WV HUNTINGTON	79	63	85	56	71	-4	0.70	-0.48	0.47	9.27	118	33.72	133	96	56	0	0	3	0	
WV PARKERSBURG	78	57	84	51	68	-7	0.96	-0.06	0.77	7.19	94	28.70	115	98	57	0	0	3	1	
WI GREEN BAY	77	53	82	48	65	-5	0.05	-0.65	0.05	7.06	116	16.00	102	93	52	0	0	1	0	
WI LACROSSE	82	60	84	55	71	-3	0.05	-0.80	-	7.82	108	16.76	98	91	41	0	0	-	-	
WI MADISON	76	56	79	51	66	-6	0.13	-0.75	0.05	12.04	168	21.80	121	90	54	0	0	4	0	
WI MILWAUKEE	76	59	82	56	67	-4	0.15	-0.65	0.15	5.99	95	14.49	79	86	55	0	0	1	0	
WI WAUSAU	77	56	79	50	67	-4	0.14	-0.75	0.14	10.81	147	19.32	109	92	43	0	0	1	0	
WY CASPER	88	47	91	48	68	-4	0.17	-0.09	0.17	1.13	44	5.64	67	83	18	2	0	1	0	
WY CHEYENNE	79	53	89	48	68	-3	0.29	-0.17	0.24	3.92	101	9.76	103	86	30	0	0	3	0	
WY LANDER	88	55	91	54	72	0	0.00	-0.15	0.00	0.42	20	6.25	71	64	15	3	0	0	0	
WY SHERIDAN	87	50	95	37	69	-2	0.20	0.06	0.20	1.53	51	8.59	90	79	22	2	0	1	0	
PR SAN JUAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

Based on 1961-90 normals

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

National Agricultural Summary

July 22 - 28, 1996

HIGHLIGHTS

Widespread rains and cool weather in the Corn Belt were welcomed during the critical pollination stage, but the low temperatures slowed crop growth. Sunshine and warmer weather are needed in the central Corn Belt, where crop development for corn and soybeans remained 1 to 2 weeks behind normal. Parts of northern Illinois remained flooded from last week's heavy rains. The timely rains in the Midwest improved crop conditions, but reporters remained concerned about uneven stands as insect

activity increased. In Minnesota, dry soil conditions curled corn and yellowed soybean leaves. Beneficial rains slowed fieldwork in the Southeast, where increased insect counts caused cotton producers to spray earlier than usual. In the Dakotas and Great Lakes region, many areas remained dry and needed rain to improve crop conditions. Hot, dry weather in the Mountain States and the Pacific Coast stressed late-seeded crops, but provided ideal conditions for small grain harvesting.

Wheat harvested for the 19 major producing States was 82 percent (%) complete, up 8 percentage points from the previous week. The wheat harvest in Michigan was halfway complete, up 47 points from the previous week and 19 points behind the 5-year average. Ideal weather conditions in the Western States allowed harvest activity to advance. Some wheat varieties in Ohio were infected with vomitoxin. Hot, dry weather in South Dakota pushed wheat harvested to 23% complete, up 21 points from the previous week but 28 points behind normal. The wheat harvest was completed in Texas with land preparation underway for fall planting. In Wisconsin, cool weather slowed wheat drying in the fields.

Spring wheat condition was mostly good to fair with 94% of the acreage headed, up 9 points from the previous week and 2 points below the average. Spring wheat headed in North Dakota at 93% complete was up 12 points from the previous week, but 1 point behind the average. In Montana, spring wheat condition declined due to the hot, dry weather.

Corn was in mostly good to fair condition, with 48% of the acreage in the silking stage or beyond. Corn silking for the 17 major producing States was up 25 points from the previous week, but 15 points behind the average. With the exception of Missouri, the percentage of acreage silking in the Corn Belt ranged from 17 to 52 points behind the average. Silking in Ohio at 14% complete was 52 points behind the average, while Indiana's corn silking was approximately 12 days behind normal. Widespread rains and cool weather slowed crop development but eased dry conditions that had previously stressed corn plants. In Minnesota, continued dry conditions caused corn leaves to curl. Spraying for insects was reported in the Great Lakes region, where some producers commented on corn height varying from ankle- to head-high. In Texas, high winds damaged some fields.

Cotton setting bolls was 78% complete, up 15 points from a week earlier and 12 points ahead of the average. Cotton condition

was mostly good to fair for the 14 major producing States. Crop development was ahead of normal by 16 points in Louisiana and Mississippi. Rainfall helped dryland cotton fields in Texas, where increased insect populations required control measures. Cotton was threatened by bollworms and bollweevils in the Delta and across the Southeast. In California, cotton was treated for insects in the San Joaquin and Imperial Valleys, with some fields showing signs of heat stress. Cotton in the mid-Atlantic States was sprayed with insecticides and growth regulators.

Rice headed for the five major producing States was 53% complete, up 16 points from the previous week and 14 points ahead of normal. Rice condition was mostly good to fair. Rain and cooler weather over the Delta and the Southeast improved rice growth. Arkansas rice producers scouted fields for disease. Some Texas rice fields were drained in preparation for the harvest, while harvest activity began in some fields. In Texas and Louisiana, rice harvesting was hindered by rainy weather.

Sorghum condition was mostly good to fair with sorghum headed at 38% complete, up 10 points from the previous week. Sorghum headed in Illinois and Nebraska was up 2 points from last week but was 30 and 21 points behind the average, respectively. Sorghum development was slowed by cool weather in the Central States. Insect activity was increasing in Texas, where recent, frequent rains aided dryland sorghum fields.

Soybeans blooming was 53% complete, up 20 points from last week and 11 points below the average. Soybeans were in mostly good to fair condition. Blooming in Indiana and Ohio was behind the average by over 40 points. In Illinois and Michigan, soybeans blooming was over 30 points behind normal. Worm infestations were reported in some Arkansas soybean fields. Insects were prevalent in Indiana, where soybeans blooming was 16 days behind the average. Soybean fields in the Delta were sprayed for Aerial blight.

Crop Progress and Condition

Week Ending July 28, 1996

Soybeans Percent Blooming				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
AL	44	35	47	42
AR	51	38	38	37
GA	49	35	59	51
IL	42	19	46	75
IN	33	15	65	80
IA	72	47	73	73
KS	60	52	18	51
KY	35	24	39	52
LA	85	77	75	59
MI	21	8	71	56
MN	69	44	79	71
MS	85	74	73	55
MO	50	32	15	49
NE	66	37	43	63
NC	34	23	31	31
OH	36	15	70	79
SC	38	24	30	32
SD	58	38	47	57
TN	46	28	43	35
ALL	53	33	54	64

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

Winter Wheat Percent Harvested				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
AR	100	100	100	100
CA	99	99	98	98
CO	92	67	72	83
GA	100	100	100	100
ID	7	1	6	10
IL	96	93	99	96
IN	88	70	100	94
KS	100	98	99	96
MI	50	3	78	69
MO	100	99	100	94
MT	2	0	1	2
NE	83	52	74	80
NC	100	99	93	99
OH	95	64	99	87
OK	100	100	100	100
OR	19	11	19	28
SD	23	2	37	51
TX	100	99	97	99
WA	17	3	19	25
ALL	82	74	81	82

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

Corn Percent Silking				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
CO	58	19	1	34
GA	100	97	100	100
IL	52	22	65	84
IN	35	14	61	77
IA	42	4	47	59
KS	98	85	39	79
KY	68	53	81	85
MI	13	2	58	48
MN	46	15	51	39
MO	83	67	38	68
NE	70	36	27	65
NC	97	94	95	95
OH	14	4	56	66
PA	53	35	53	43
SD	16	0	6	34
TX	97	95	91	88
WI	9	1	46	42
ALL	48	23	50	63

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

Cotton Percent Setting Bolls				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
AL	78	65	84	74
AZ	93	84	75	91
AR	100	94	88	84
CA	80	50	65	72
GA	92	83	91	84
LA	99	96	99	93
MS	98	93	93	82
MO	94	76	75	76
NM	85	82	50	59
NC	79	52	72	69
OK	51	33	32	36
SC	79	69	69	72
TN	98	79	84	69
TX	59	41	47	46
ALL	78	63	68	66

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

Rice Percent Headed				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
AR	51	24	27	29
CA	5	3	2	1
LA	68	60	72	70
MS	62	48	58	41
TX	93	86	81	75
ALL	53	37	40	39

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

Sorghum Percent Headed				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
AR	72	61	74	70
CO	9	7	0	8
IL	3	1	3	33
KS	25	13	2	18
LA	97	91	84	84
MS	93	80	82	77
MO	33	18	24	39
NE	2	0	1	23
NM	3	0	9	10
OK	46	41	14	28
SD	13	4	8	12
TX	74	61	84	76
ALL	38	28	30	38

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

Oats Percent Harvested				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
IA	30	5	49	57
MI	8	0	14	13
MN	0	0	8	21
NE	58	32	61	62
ND	0	0	0	3
OH	21	7	57	46
PA	31	14	16	25
SD	10	1	0	28
WI	8	0	11	14
ALL	12	3	16	24

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

Peanuts Percent Pegging				
	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
AL	96	92	85	81
FL	99	99	NA	NA
GA	98	92	100	97
NC	78	75	NA	NA
OK	97	95	80	74
SC	83	76	0	0
TX	79	63	NA	NA
VA	94	80	NA	NA
ALL	92	85	93	90

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

Crop Progress and Condition

Week Ending July 28, 1996

Barley Percent Headed

	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
ID	96	84	93	95
MN	95	88	99	99
MT	95	89	94	95
ND	97	88	84	96
SD	97	95	99	100
WA	100	99	100	100
ALL	96	89	91	96

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

Barley Percent Harvested

	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
ID	2	NA	1	4
MN	0	NA	5	7
MT	0	NA	0	1
ND	0	NA	0	5
SD	3	NA	0	21
WA	8	NA	8	19
ALL	1	NA	1	5

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

Spring Wheat Percent Headed

	Jul 28 1996	Prev Week	Prev Year	5-Yr Avg
ID	97	95	95	96
MN	91	87	99	99
MT	97	90	95	96
ND	93	81	78	94
SD	100	93	99	100
ALL	94	85	87	96

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

Oats Crop Condition by Percent

	VP	P	F	G	EX
IA	0	3	29	55	13
MI	1	9	44	37	9
MN	1	4	33	59	3
NE	0	2	26	67	5
ND	0	6	31	55	8
OH	5	13	49	28	5
PA	0	4	24	58	14
SD	0	1	20	71	8
WI	0	3	19	64	14
ALL	0	4	28	59	9
Prev Wk	0	5	25	60	10
Prev Yr	NA	NA	NA	NA	NA

Soybeans Crop Condition by Percent

	VP	P	F	G	EX
AL	0	2	23	64	11
AR	3	13	31	43	10
GA	2	8	35	49	6
IL	3	15	42	32	8
IN	3	14	42	36	5
IA	1	7	26	51	15
KS	1	2	19	60	18
KY	1	6	29	51	13
LA	1	6	26	59	8
MI	8	19	43	25	5
MN	1	8	40	47	4
MS	2	8	26	54	10
MO	1	11	34	45	9
NE	0	3	16	62	19
NC	1	7	25	64	3
OH	6	14	42	32	6
SC	2	6	25	59	8
SD	0	2	27	52	19
TN	1	2	24	56	17
ALL	2	10	33	45	10
Prev Wk	3	10	34	43	10
Prev Yr	1	9	33	47	10

Corn Crop Condition by Percent

	VP	P	F	G	EX
CO	1	1	8	70	20
GA	4	16	36	35	9
IL	4	11	35	39	11
IN	3	9	40	42	6
IA	1	5	23	55	16
KS	1	2	13	56	28
KY	1	6	26	54	13
MI	9	20	38	27	6
MN	1	7	39	48	5
MO	1	10	24	50	15
NE	1	3	17	52	27
NC	5	18	38	37	2
OH	5	16	42	32	5
PA	1	5	15	54	25
SD	0	2	19	60	19
TX	17	24	26	16	17
WI	1	8	19	56	16
ALL	3	8	28	47	14
Prev Wk	3	8	28	47	14
Prev Yr	2	7	30	48	13

Cotton Crop Condition by Percent

	VP	P	F	G	EX
AL	1	1	14	59	25
AZ	0	1	17	45	37
AR	0	8	27	53	12
CA	0	0	0	60	40
GA	1	8	28	49	14
LA	0	5	35	46	14
MS	1	4	26	53	16
MO	0	13	25	57	5
NM	0	17	19	54	10
NC	1	2	12	78	7
OK	0	8	22	64	6
SC	1	9	25	59	6
TN	0	2	20	60	18
TX	7	20	33	28	12
ALL	3	11	26	45	15
Prev Wk	3	10	27	46	14
Prev Yr	2	9	30	48	11

Sorghum Crop Condition by Percent

	VP	P	F	G	EX
AR	5	13	37	39	6
CO	0	5	15	70	10
IL	3	6	44	41	6
KS	1	3	19	59	18
LA	0	1	27	64	8
MS	0	6	27	54	13
MO	1	5	28	54	12
NE	0	1	15	62	22
NM	0	52	29	19	0
OK	0	1	14	83	2
SD	0	1	21	68	10
TX	8	13	41	29	9
ALL	3	7	26	50	14
Prev Wk	2	8	31	47	12
Prev Yr	1	6	34	49	10

Peanuts Crop Condition by Percent

	VP	P	F	G	EX
AL	0	3	28	69	0
FL	0	27	23	14	36
GA	1	7	34	48	10
NC	0	0	12	74	14
OK	0	6	31	54	9
SC	3	10	34	51	2
TX	1	8	29	54	8
VA	0	0	9	40	51
ALL	1	7	28	52	12
Prev Wk	1	6	31	52	10
Prev Yr	NA	NA	NA	NA	NA

Crop Progress and Condition

Week Ending July 28, 1996

	VP	P	F	G	EX
ID	0	5	10	59	26
MN	1	6	28	57	8
MT	4	17	43	30	6
ND	0	3	20	64	13
SD	0	3	16	77	4
WA	5	12	25	41	17
ALL	1	7	25	54	13
Prev Wk	1	7	25	55	12
Prev Yr	NA	NA	NA	NA	NA

	VP	P	F	G	EX
AR	0	2	20	60	18
CA	0	0	15	75	10
LA	0	4	38	53	5
MS	3	5	42	36	14
TX	0	0	12	62	26
ALL	0	2	24	59	15
Prev Wk	0	3	20	60	17
Prev Yr	0	2	18	62	18

	VP	P	F	G	EX
ID	0	3	10	56	31
MN	1	6	31	56	6
MT	3	17	45	31	4
ND	1	5	26	60	8
SD	0	2	19	61	18
ALL	1	8	30	53	8
Prev Wk	1	6	30	53	10
Prev Yr	1	9	27	52	11

	VP	P	G	F	EX		VP	P	G	F	EX
AL	1	7	33	54	5	NH	0	0	13	53	34
AZ	49	32	14	5	0	NJ	0	0	0	75	25
AR	4	22	37	33	4	NM	12	29	36	16	7
CA	5	10	25	60	0	NY	0	0	14	86	0
CO	2	8	27	55	8	NC	4	25	32	36	3
CT	0	0	5	87	8	ND	1	7	26	58	8
DE	0	0	12	83	5	OH	2	12	45	36	5
FL	0	5	15	65	15	OK	1	11	35	50	3
GA	4	16	40	37	3	OR	0	5	31	36	28
ID	0	4	25	54	17	PA	1	4	24	58	13
IL	5	15	40	36	4	RI	0	0	6	82	12
IN	2	11	39	43	5	SC	5	24	36	33	2
IA	3	15	38	38	6	SD	0	2	20	64	14
KS	1	10	33	51	5	TN	1	10	41	42	6
KY	1	7	31	52	9	TX	20	29	39	11	1
LA	0	5	30	58	7	UT	5	13	37	45	0
ME	0	15	21	40	24	VT	0	1	2	95	2
MD	1	2	9	72	16	VA	0	5	25	50	20
MA	0	0	8	90	2	WA	0	17	30	47	6
MI	11	24	34	27	4	WV	0	3	29	59	9
MN	3	20	40	35	2	WI	4	8	29	50	9
MS	5	16	37	36	6	WY	0	1	33	60	6
MO	4	20	40	30	6	ALL	5	13	32	44	6
MT	2	15	37	43	3						
NE	0	2	32	54	12	Prev Wk	6	13	31	43	7
NV	5	6	14	75	0	Prev Yr	2	10	30	47	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/oce/waob/jawf>.

ALABAMA: Days suitable for fieldwork 4.1. Topsoil 1% very short, 12% short, 76% adequate, 11% surplus. Corn 69% dented, 82% 1995, 66% avg.; 31% mature, 41% 1995, 33% avg.; 1% very poor, 13% poor, 31% fair, 52% good, 3% excellent. Livestock 4% poor, 44% fair, 49% good, 3% excellent. Thunderstorms produced showers in most locations across the State stopping work in some fields. A few dry areas remain, mostly in the Wiregrass Region.

ALASKA: Days suitable for baling hay 4. Topsoil, subsoil moisture 50% short, 50% adequate. First crop hay harvest 85% complete, 60% 1995. Crop growth was 20% slow, 50% moderate, 30% rapid. Barley 90% in dough with 10% turning color; 10% poor, 50% fair, 40% good. Oats 95% in dough, 5% turning color. Commercial potatoes 45% in bloom, 60% 1995.

ARIZONA: Bolls opening in State's cotton; use of IGR's continue working well. Alfalfa harvest 43% light, 7% moderate, 26% active, 24% not being harvested; 1% poor, 22% fair, 52% good, 25% excellent. Central vegetable growers harvested watermelon, cantaloupe, honeydew, specialty melons, carrots, green onions. eastern growers harvested small amount of dry onions, tomatoes. Table grape harvest progressed in central vineyards.

ARKANSAS: Days suitable for fieldwork 6. Soil moisture 43% short, 55% adequate, 2% surplus. Temperatures below normal with rainfall over most of the State. Main farm activities: irrigating soybeans, corn, cotton, sorghum, cultivating and fertilizing cotton, fertilizing and scouting rice fields, harvesting hay. Soybean cultivation and irrigation continued in several counties. Worm infestation was reported in soybeans in numerous counties. Cotton cultivation, irrigation, and fertilization were reported by many counties. Cotton continued to be threatened by bollworms in several counties. Bollweevil began to build up in some cotton fields in Monroe county. Many counties continued to scout rice fields for disease. Rice fields were treated for sheath blight in many counties. Fertilization of rice fields was reported by several counties. Corn and sorghum irrigation continued in numerous counties. Sorghum that drowned was replanted in Hempstead county. Many counties reported bollworms were present in sorghum fields. High winds caused some lodging in corn fields in Yell and Woodruff counties. Tomato harvest continued in Cleburne county. Grape harvest was in full swing in White county. Watermelon harvest reported by Hempstead and Crawford counties. Crawford county also reported pumpkin harvest. Livestock were in good condition statewide. Some livestock were stressed due to heat in Little River county. Little River county also reported loss of birds by poultry producers due to heat stress. 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. Corn, dry beans, rice grew well with the continued hot weather. Some cotton in the southern San Joaquin Valley showed signs of heat stress. Cotton was sprayed for aphids, lygus, mites in the San Joaquin and Sacramento Valleys; pink bollworm, whitefly in the Imperial Valley. Growth regulators were applied in some fields to halt vegetative growth. Rice fields were treated for broadleaf weeds and grasses. Sugar beet harvest continued in central and southern counties. Garbanzo bean harvest neared completion. Black eye beans were treated for mites and cultivated. Safflower harvest began in central and southern counties. Corn silage harvest was in full swing in most areas. Corn, sorghum, sugar beets were sprayed for worms

and weeds. Alfalfa hay fields were treated for aphids and armyworms. Alfalfa, sudan grass were cut for hay or green chopped. Normal cultural practices continued in vineyards and orchards. Harvest of table grapes continued in the Central Valley. Perlette, Flame Seedless, and Superior Seedless were the primary varieties harvested. Thompson Seedless grape harvest was underway in Kings County. Harvest of nectarines, plums, freestone, and clingstone peaches was active. Harvest of Gala and Golden Delicious variety apples continued in the San Joaquin Valley. Gravenstein apple harvest began in Sonoma County. The almond crop was progressing normally. Some almonds were sprayed for mites, peach twig borer, or navel orange worm. Hull split was observed in some orchards. Walnuts were sprayed for codling moth and mites. Early variety Asian pears were harvested in the San Joaquin Valley. Bartlett pear harvest continued in the northern Sacramento Valley. Valencia orange harvest continued at a slow pace. Lemon, grapefruit harvest continued. Orange, lemon orchards were treated for scale. Broccoli, cauliflower harvested in Monterey, San Luis Obispo counties. Garlic was harvested in Kern, Kings, San Benito counties. Fresh market tomato, bell pepper harvests continued in the San Joaquin Valley. Processing tomato harvest was active in southern, central areas. Some harvest activity was underway in northern area. Harvest of yellow onions was nearly complete. Fall lettuce, broccoli, cabbage fields were bedded up and pre-irrigated in Fresno County. Cantaloupe, honeydew, watermelon were harvested in many areas. Squash harvesting continued in Kings County. Ground preparation for fall crop planting was active in Imperial County. Potato harvest was active in central areas. Other crops harvested included: Eggplant, green onions, parsley, carrots, green beans, sweet corn. Rangeland pastures were very dry at lower elevations. Livestock were somewhat stressed by high temperatures. Supplemental feeding was on the rise as warm weather persisted, forage quality declined. Hay was provided for stock weight maintenance.

COLORADO: Days suitable for fieldwork 6.0. Topsoil 11% very short, 23% short, 64% adequate, 2% surplus. Subsoil 7% very short, 29% short, 63% adequate, 1% surplus. Spring barley 98% turning color, 32% 1995, 48% avg.; 15% harvested, 2% 1995, 10% avg.; 9% poor, 19% fair, 45% good, 27% excellent. Oats 87% turning color, 47% 1995, 65% avg.; 49% harvested, 9% 1995, 24% avg.; 4% very poor, 6% poor, 24% fair, 53% good, 13% excellent. Dry onions 1% very poor, 4% poor, 14% fair, 75% good, 6% excellent. Spring wheat 98% turning color, 24% 1995, 35% avg.; 15% harvested, 0% 1995, 6% avg.; 3% very poor, 4% poor, 29% fair, 57% good, 7% excellent. Winter wheat 100% ripe, 93% 1995, 96% avg. Sugar beets 5% poor, 30% fair, 55% good, 10% excellent. Summer potatoes 7% harvested, 0% 1995, 1% avg.; 8% fair, 65% good, 27% excellent. Fall potatoes 5% poor, 16% fair, 66% good, 13% excellent. Dry beans 63% flowered, 22% 1995, 25% avg.; 6% very poor, 8% poor, 10% fair, 52% good, 24% excellent. Alfalfa hay 74% 2nd cutting, 57% 1995, 49% avg.; 3% very poor, 4% poor, 14% fair, 64% good, 15% excellent.

DELAWARE: Days suitable for fieldwork 5.5. Topsoil 7% short, 74% adequate, 19% surplus. Subsoil 92% adequate, 8% surplus. Winter wheat 99% harvested, 100% 1995, 99% avg. Corn 1% poor, 5% fair, 48% good, 46% excellent; 78% silked, 82% 1995, 84% avg.; 13% dough, 21% 1995, 14% avg. Sorghum 6% fair, 49% good, 45% excellent; 14% headed, 27% 1995, 19% avg. Soybeans 9% fair, 52% good, 39% excellent; 43% bloomed, 45% 1995, 36% avg.; 15% setting pods, 7% 1995, 5% avg. Sweet corn 41% harvested, 30%

1995, 39% avg. Potatoes 26% harvested, 47% 1995, 30% avg. Tomatoes 27% harvested, 15% 1995, 18% avg. Cantaloupe 27% harvested, 28% 1995, 34% avg. Lima beans 21% harvested, 2% 1995, 7% avg. Watermelons 17% harvested, 10% 1995, 16% avg. Apples 2% fair, 81% good, 17% excellent. Peaches 1% fair, 77% good, 22% excellent; 24% harvested, 28% 1995, 32% avg. Alfalfa hay 91% second cutting, 100% 1995, 97% avg.; 12% third cutting, 37% 1995, 27% avg. Other hay 81% second cutting, 93% 1995, 75% avg.; 10% third cutting, 35% 1995, 14% avg. Hay supplies 12% short, 83% adequate, 5% surplus.

FLORIDA: Topsoil short to adequate throughout State. Tobacco harvest, marketing active. Haying active. Peanuts pegging 99%. Peanut poor 27%, fair 23%, good 14%, excellent 36%. Vegetable harvesting for local markets continued. A few watermelons from northern areas, okra from Dade County being picked for out-of-State shipment. East Coast producers preparing land for planting of fall vegetables with some growers adding moisture to fields prior to laying plastic. Some southwestern growers began laying plastic with land preparation very active. Quincy growers continued tomato transplanting. Hot all citrus areas. Irrigation continues. Abundant new growth in well-cared-for groves. New crop fruit making good progress, good sizes for the last of July. Valencia harvest over. Caretakers cutting cover crops, spraying, fertilizing, pushing dead trees, resetting new trees. Pasture feed poor 5%, fair 15%, good 65%, excellent 15%. Pastures remain in generally good condition throughout. Condition of cattle herds fair 15%, good 70%, excellent 15%. Mosquitoes bad on livestock in some central counties.

GEORGIA: Days suitable for fieldwork 5.2. Soil moisture 12% very short, 33% short, 52% adequate, 3% surplus. Corn 94% dough, 99% 1995, 96% avg.; 75% dent, 93% 1995, 85% avg.; 30% mature, 64% 1995, 46% avg.; 2% harvested for grain, 8% 1995, 5% avg. Cotton 99% squaring, 100% 1995, 99% avg. Hay 2% very poor, 14% poor, 43% fair, 39% good, 2% excellent. Sorghum 3% very poor, 10% poor, 37% fair, 49% good, 1% excellent. Soybeans 25% setting pods, 33% 1995, 24% avg. Tobacco 8% poor, 18% fair, 58% good, 16% excellent; 51% harvested, 60% 1995, 54% avg. Wheat 100% harvested for grain, 100% 1995, 100% avg. Watermelons 12% very poor, 26% poor, 31% fair, 25% good, 6% excellent; 90% harvested, 96% 1995, 93% avg. Apples 2% poor, 5% fair, 93% good; 0% harvested, 4% 1995, 6% avg. Peaches 92% very poor, 4% poor, 4% fair; 93% harvested, 95% 1995, 92% avg. Pecans 1% very poor, 14% poor, 41% fair, 37% good, 7% excellent. Showers scattered but overall soil moisture up. Most crops steady to slightly improved. Insect pressure on increase many areas in cotton. Corn harvest just underway. Tobacco harvest good progress despite showers. Feeding hay to cattle on pastures in drier areas. Activities: Spraying cotton for insect control; irrigating row crops; harvesting hay and tobacco; mowing pastures; harvesting summer vegetables.

HAWAII: No weather data available.

IDAHO: Days suitable for fieldwork 6.8. Hot, dry conditions during this past week. Topsoil 7% very short, 33% short, 59% adequate, 1% surplus. Potatoes 12 inches high 98%, 96% 1995, 97% avg. Potatoes closing middles 88%, 78% 1995, 79% avg.; 5% fair, 69% good, 26% excellent. Winter wheat 2% poor, 16% fair, 49% good, 33% excellent; turning color 92%, 93% 1995, 86% avg. Spring wheat turning color 56%, 48% 1995, 50% avg.; harvested 1%, 1% 1995, 3% avg. Barley turning color 44%, 39% 1995, 51% avg. Alfalfa hay harvested (2nd cutting) 44%, 36% 1995, 41% avg. Dry peas harvested 7%, 13% 1995, 12% avg. Mint harvested 25%, 17% 1995, 29% avg. Peaches harvested 4%, 15% 1995, 31% avg. Pasture feed, range 4% poor, 25% fair, 54% good, 17% excellent. Irrigation water supply 3% fair, 52% good, 45% excellent. Activities: Irrigating row crops, inspecting, spraying potatoes for late blight, preparing machinery for grain, potato, sugar beet harvest, harvesting alfalfa hay, winter wheat, barley.

ILLINOIS: Days suitable for fieldwork 4.7. Topsoil 6% very short, 21% short, 64% adequate, 9% surplus. Some areas in the northern districts were still flooded from the heavy rains of the previous week. Scattered areas throughout the State were still in need of rain. Continued timely rains, scattered throughout the rest of the State, resulted in continued improvements in crop conditions. Crops looked good through most of the State, reporters expressed some concern about the unevenness of stands. Rains slowed the wheat harvest. Activities included spraying chemicals, cultivating, mowing, caring for livestock. Corn 6% dough, 6% 1995, 27% avg. Soybeans 8% setting pods, 7% 1995, 35% avg. Oats 95% turning yellow, 94% 1995, 95% avg.; 54% ripe, 70% 1995, 79% avg.; 26% harvested, 38% 1995, 51% avg.; 2% very poor, 4% poor, 33% fair, 55% good, 6% excellent. Alfalfa 73% second cutting, 82% 1995, 84% avg.; 15% third cutting, 7% 1995, 14% avg.; 1% very poor, 11% poor, 36% fair, 47% good, 5% excellent.

INDIANA: Days suitable for fieldwork 4.3. Topsoil 2% very short, 12% short, 70% adequate, 16% surplus. Subsoil 2% very short, 15% short, 71% adequate, 12% surplus. Corn silking is 12 days behind average, behind the record-low set in 1974. Blooming of soybeans, 16 days behind average. Number of growing degree days behind normal statewide. Warm, sunny days needed for crop growth, development. Some Japanese Beetle, European Corn Borer problems reported. Winter wheat harvest 69% complete north, 91% complete central, virtually complete in the south. Second cutting of alfalfa hay 65% complete, 71% 1995, 76% avg. Activities: Baling hay, straw, spraying soybeans, mowing fence rows, care of livestock, 4-H fair activities.

IOWA: Days suitable for fieldwork 6.1. Topsoil very short 6%, short 31%, adequate 60%, surplus 3%. Subsoil very short 2%, short 27%, adequate 66%, surplus 5%. Cool dry weather pattern across the State created ideal conditions for crops, livestock. Lower temperatures are saving the crops from any drought stress, have been especially excellent for corn pollination. Rains have been scattered across the State with many areas in need of rain to fill the cracks in the ground. Second cutting of hay is excellent in quality but short on quantity. Corn tasseling 68%, 65% 1995, 73% avg. Soybeans setting pods 17%, 24% 1995, 34% avg. Oats turning color 97%, 99% 1995, 99% avg. Alfalfa hay 2nd crop harvested 59%, 63% 1995, 63% avg.; clover hay 2nd crop harvested 24%, 21% 1995, 34% avg.; hay 1% very poor, 9% poor, 37% fair, 46% good, 7% excellent. Winter wheat harvested 86%, 93% 1995, 77% avg. Livestock are in excellent condition. Pastures are backing off a bit but the cool temps are animal-friendly.

KANSAS: Days suitable for fieldwork 4.6. Topsoil 3% very short, 26% short, 67% adequate, 4% surplus. Subsoil 3% very short, 30% short, 65% adequate, 2% surplus. Wheat harvest is complete. Insect pressure continues to intensify. Common reported insects include grasshoppers, chinch bugs, spider mites, corn borers. Feed grain 34% short, hay 16% short. Alfalfa cut the second time 98% complete, 96% 1995, 92% avg. Alfalfa cut the third time 45% complete, 17% 1995, 28% avg. Activities: Baling hay, tilling wheat stubble, fall crop weed control.

KENTUCKY: Days suitable for fieldwork 4.2. Topsoil 1% very short, 14% short, 71% adequate, 14% surplus. Subsoil 1% very short, 14% short, 73% adequate, 12% surplus. Crops mostly in good condition due to moisture. Tobacco 2% very poor, 9% poor, 37% fair, 43% good, 9% excellent. Corn, soybeans mostly in good condition. Burley tobacco 32% bloomed, dark tobacco 51% bloomed. Pasture feed 1% very poor, 7% poor, 31% fair, 52% good, 9% excellent. Hay crop 1% very poor, 8% poor, 35% fair, 47% good, 9% excellent.

LOUISIANA: Days suitable for fieldwork 4.3. Soil moisture 1% very short, 17% short, 60% adequate, 22% surplus. Corn 1% very poor, 6% poor, 30% fair, 55% good, 8% excellent; 98% dough, 99% 1995, 97% avg.; 60% mature, 58% 1995, 57% avg.; 6% harvested, 2% 1995, 4% avg. Once again, little progress was made on corn harvesting due to wet conditions. Cotton, Boll worm activity in cotton remained light to moderate. Hay 100% first cutting, 100% 1995, 96% avg.; 42% second cutting, 51% 1995, 23% avg. Rains caught several hay producers with hay cut but not baled. Peaches 80% harvested, 70% 1995, 82% avg. Rice 14% ripe, 33% 1995, 24% avg.; 2% harvested, 19% 1995, 13% avg. Rice harvest continued to be hindered by wet conditions. Sorghum 44% turning, 29% 1995, 33% avg.; 6% ripe, 6% 1995, 7% avg. Insect pressure in grain sorghum was relatively light. Soybeans 53% setting pods, 38% 1995, 29% avg. Soybeans were being sprayed for aerial blight. Sugarcane 2% very poor, 6% poor, 25% fair, 46% good, 21% excellent. Sugarcane height had almost caught up with this time last year. Sweetpotatoes 23% fair, 73% good, 4% excellent; 0% harvested, 1% 1995, 4% avg. Livestock 5% poor, 31% fair, 59% good, 5% excellent. Vegetables 2% very poor, 11% poor, 37% fair, 48% good, 2% excellent. Vegetable production dropped off slightly due to high temperatures. Pasture feed 5% poor, 30% fair, 58% good, 7% excellent.

MARYLAND: Days suitable for fieldwork 4.6. Topsoil 1% short, 68% adequate, 31% surplus. Subsoil 1% short, 78% adequate, 21% surplus. Winter wheat 98% harvested, 98% 1995, 98% avg. Rye 96% harvested, 94% 1995, 94% avg. Corn 2% poor, 15% fair, 51% good, 32% excellent; 71% silked, 74% 1995, 71% avg.; 26% dough, 15% 1995, 17% avg.; 6% dent, 1% 1995, 4% avg. Soybeans 5% poor, 16% fair, 55% good, 24% excellent; 28% bloomed, 38% 1995, 36% avg.; 7% setting pods, 5% 1995, 6% avg. Tobacco 3% poor, 12% fair, 73% good, 12% excellent; 72% bloomed, 59% 1995, 40% avg. Sorghum 1% very poor, 1% poor, 10% fair, 69% good, 19% excellent; 9% headed, 25% 1995, 24% avg. Sweet corn 40% harvested, 36% 1995, 40% avg. Potatoes 50% harvested, 50% 1995, 47% avg. Cantaloupe 50% harvested, 39% 1995, 39% avg. Tomatoes 27% harvested, 34% 1995, 33% avg. Watermelon 14% harvested, 33% 1995, 30% avg. Alfalfa hay 79% second cutting, 93% 1995, 94% avg.; 23% third cutting, 25% 1995, 33% avg. Other hay 56% second cutting, 64% 1995, 61% avg.; 23% third cutting, 5% 1995, 5% avg. Hay supplies 8% very short, 10% short, 80% adequate, 2% surplus. Apples 1% very poor, 9% poor, 21% fair, 59% good, 10% excellent. Peaches 20% very poor, 5% poor, 13% fair, 51% good, 11% excellent; 22% harvested, 17% 1995, 25% avg. Activities: Cutting hay, harvesting vegetables. An abundance of rainfall has hampered some field activity, is causing disease concerns in soybeans, vegetables.

MICHIGAN: Days suitable for fieldwork 5.5. Many areas claim they are still in need of rain to improve crop quality despite rain in some areas. Topsoil 34% very short, 48% short, 16% adequate, 2% surplus. Subsoil 23% very short, 43% short, 32% adequate, 2% surplus. Corn height 49 in., 71 in. 1995, 68 in. avg.; dry beans blooming 2%, 55% 1995, 47% avg.; all hay second cutting 48%, 54% 1995, 52% avg.; 6% very poor, 18% poor, 39% fair, 31% good, 6% excellent. Pasture feed 11% very poor, 19% poor, 43% fair, 25% good, 5% excellent.

MINNESOTA: Days suitable for fieldwork 5.7. Topsoil 15% very short, 41% short, 35% adequate, 9% surplus. Corn 46% tasseled, 51% 1995, 39% avg. Soybeans 69% blooming, 79% 1995, 71% avg.; 10% setting pods, 22% 1995, 23% avg. Spring wheat 91% heading, 99% 1995, 99% avg.; 36% turning ripe, 43% 1995, 57% avg. Oats 99% heading, 99% 1995, 99% avg.; 63% turning ripe, 72% 1995, 77% avg. Barley 95% heading, 99% 1995, 99% avg.; 32% turning ripe, 41% 1995, 61% avg. Pasture feed 3% very poor, 20% poor, 40% fair, 35% good, 2% excellent. Oats 1% very poor, 4% poor, 33% fair, 59% good, 3% excellent. Barley 1% very poor, 6% poor, 28% fair, 57% good, 8% excellent. Corn 1% very poor, 7%

poor, 39% fair, 48% good, 5% excellent. Spring wheat 1% very poor, 6% poor, 31% fair, 56% good, 6% excellent. Dry beans 1% very poor, 6% poor, 28% fair, 60% good, 5% excellent. Soybeans 1% very poor, 8% poor, 40% fair, 47% good, 4% excellent. Sunflowers 1% very poor, 6% poor, 38% fair, 45% good, 10% excellent.

MISSISSIPPI: Days suitable for fieldwork 4.9. Soil moisture 7% very short, 25% short, 55% adequate, 13% surplus. Corn 100% silked, 100% 1995, 96% avg.; 88% dough, 87% 1995, 82% avg.; 59% dent, 47% 1995, 45% avg.; 13% mature, 7% 1995, 15% avg.; 27% silage harvested, 24% 1995, 26% avg.; 2% very poor, 8% poor, 34% fair, 45% good, 11% excellent. Soybeans 85% blooming, 73% 1995, 55% avg.; 64% setting pods, 41% 1995, 23% avg.; 2% very poor, 8% poor, 26% fair, 54% good, 10% excellent. Peaches 87% harvested, 73% 1995, 86% avg.; 18% very poor, 68% poor, 7% fair, 7% good. Watermelons 76% harvested, 80% 1995, 64% avg.; 14% poor, 53% fair, 31% good, 2% excellent. Peanuts 11% fair, 70% good, 19% excellent. Sweetpotatoes 2% poor, 16% fair, 70% good 12% excellent. Blueberries 8% very poor, 31% poor, 32% fair, 25% good, 4% excellent. Cattle 1% very poor, 7% poor, 30% fair, 52% good, 10% excellent. Pasture feed 5% very poor, 16% poor, 37% fair, 36% good, 6% excellent. Main farming activities: Harvesting hay, corn silage, spraying fields for insects. Scattered rain provided relief to some pastures, crops.

MISSOURI: Days suitable for fieldwork 4.1. Topsoil 8% very short, 23% short, 62% adequate, 7% surplus. Recent precipitation has benefitted crops, pastures in most areas of State, with reporters across the State indicating significant improvement in corn, soybean, sorghum condition. Corn silking ranges from 45% north-east district to over 75% in all other districts and complete in southern third of State. Corn in dough ranges from 9% north-east to 81% south-east. Soybeans blooming ranges from 26% north-east to about 75% west-central, central districts. Eleven percent of the soybeans are setting pods across the State. Sorghum heading ranges from 8% north-east, to 51% south-east. Oats harvested 90%, 83% 1995, 81% avg. Alfalfa second cutting 85%, 76% 1995, 80% avg. Alfalfa third cutting 15%, 9% 1995, 13% avg. Other hay cut 90%, 86% 1995, 87% avg. Pasture feed, range 4% very poor, 20% poor, 40% fair, 30% good, 6% excellent.

MONTANA: Days suitable for fieldwork 6.7. Topsoil 32% very short, 46% short, 22% adequate. Subsoil 24% very short, 48% short, 28% adequate. Winter wheat harvest started this last week. Another very warm, dry week causing stress to late seeded crops. Winter wheat 3% very poor, 12% poor, 40% fair, 43% good, 2% excellent. Winter wheat 98% turning, 86% 1995, 88% avg.; 26% ripe, 9% 1995, 21% avg. Spring wheat 48% turning, 37% 1995, 40% avg.; 0% ripe, 2% 1995, 2% avg. Barley 43% turning, 38% 1995, 46% avg.; 1% ripe, 1% 1995, 5% avg. Oats 4% very poor, 20% poor, 35% fair, 39% good, 2% excellent; 90% headed, 91% 1995, 96% avg.; 56% turning, 41% 1995, 42% avg.; 2% ripe, 1% 1995, 5% avg.; 0% harvested, 0% 1995, 1% avg. First cutting alfalfa 99% complete, 89% 1995, 86% avg. Second cutting alfalfa 10% complete, 5% 1995, 10% avg. First cutting other hay 76% complete, 72% 1995, 69% avg.

NEBRASKA: Days suitable for fieldwork 4.6. Topsoil 1% very short, 23% short, 71% adequate, 5% surplus. Subsoil 1% very short, 23% short, 73% adequate, 3% surplus. Lower temperatures, moisture received last week relieved stress from dryland crops in the southern two-thirds of State, improved the overall conditions for both irrigated, non-irrigated crops. Wheat 97% ripe, 90% 1995, 97% avg.; 83% harvested, 74% 1995, 80% avg.; wet field conditions delayed wheat harvest in the south-west area. Corn 70% silked, 27% 1995, 65% avg.; 1% dough stage, 0% 1995, 11% avg.; reports indicated that last week's weather conditions were ideal for crop pollination. Soybeans 66% blooming, 43% 1995, 63% avg.; 13% setting pods, 5% 1995, 19% avg.; weed control activities continued last week.

Alfalfa 5% poor, 31% fair, 49% good, 15% excellent; 81% 2nd cutting, 74% 1995, 77% avg. Wild hay 1% poor, 25% fair, 61% good, 13% excellent; harvest active. Pasture feed, range 2% poor, 32% fair, 54% good, 12% excellent; pastures in many central, southern counties benefitted from rainfall received last week. Activities: Weed control, irrigating crops, harvesting oats, cutting alfalfa and native hay.

NEVADA: High temperatures promoted grain ripening, harvest gained momentum. All winter wheat acreage had turned color, 20% of the acreage was harvested. Ninety-five percent of the spring wheat acreage was in the dough stage or beyond, 50% had turned color, 10% was harvested. Barley 95% dough, 75% turned, 40% harvested. Condition ratings for small grains were mostly good, although Russian wheat aphid showed up in some Humboldt County wheat. Spotty thunderstorms were a nuisance to haying in some northern areas. Alfalfa first cutting was complete statewide, second cutting, pasture condition declining seasonally. Main farm, ranch activities: Haying, grain harvest, irrigating, preparing fields for alfalfa seeding. Other hay harvest continued. Potatoes, onions in good condition. Seed garlic harvest beginning. Supplies of irrigation water remained 15% short, 85% adequate.

NEW ENGLAND: Days suitable for fieldwork 4.4. Topsoil 3% short, 53% adequate, 44% surplus. Subsoil 3% short, 44% adequate, 53% surplus. Pasture feed 4% poor, 8% fair, 78% good, 10% excellent. Maine potatoes condition good to excellent. Massachusetts potatoes <5% harvested; condition good to fair. Rhode Island potatoes <5% harvested; condition good. Maine oats condition good to excellent. Maine barley condition good to excellent. Field corn condition good to fair. Sweet corn 10% harvested, 20% 1995, 20% avg.; condition good. Shade tobacco 15% harvested, 35% 1995; condition good to excellent. Broadleaf tobacco <5% harvested, 10% 1995; condition good to excellent. First hay 90% harvested, 99% 1995, 99% avg.; condition good to fair. Second hay 25% harvested, 25% 1995, 30% avg.; condition good to excellent. Apples, pears set and size average; condition good. Peaches set and size average, condition good to fair. Strawberries 99% harvested, 100% 1995, set and size average, good. Cranberries at petal fall, size average to above average, set average, condition good. Highbush blueberries 20% harvested, 40% 1995, set average to above average, size average; condition good. Wild blueberries set and size above average, condition good. Lower-than-normal temperatures, rain last week continued to hinder crop growth, harvesting of hay. Fungicide applications ongoing in central, southern Aroostook County, Maine; isolated incidences of late blight have been found in the potato crop. Early harvests of apples, peaches began in scattered areas of New Hampshire and Massachusetts. Major farm activities: Cultivating row crops, side dressing crops with nitrogen, spraying fungicides, applying pesticides; harvesting continues for raspberries, blueberries, first to second cut hay, lettuce, zucchini, cabbage, tobacco, green beans, tomatoes, cucumbers. Fields still have standing water, ruts due to the cool, wet conditions, difficult to work in.

NEW JERSEY: Days suitable for fieldwork 5. Topsoil mostly surplus. Drier weather needed in some areas. Farmers are busy harvesting, cultivating, spraying. Blueberry harvest is winding down. Wheat combining, hay making active as weather permits. Corn continues to look good. Pastures are in good condition at this time.

NEW MEXICO: Days suitable for fieldwork 6.6. Soil moisture 12% very short, 53% short, 34% adequate, 1% surplus. Typical July weather produced scattered afternoon, evening thunderstorms, providing precipitation for most of the State, except the parched north-west. Corn 1% poor, 8% fair, 72% good, 19% excellent; corn tasseled 63%. Cotton 17% poor, 19% fair, 54% good, 10% excellent; cotton setting bolls reported at 85%, 50% 1995, 59% avg. Sorghum 52% poor, 29% fair, 19% good; headed 3%, 9% 1995, 10% avg. Alfalfa 3% poor, 19% fair, 73% good, 5% excellent; second cutting

96% complete and third cutting 64% complete. Chile 12% fair, 80% good, 8% excellent. Rain-delayed onion harvest advanced only slightly to 69% complete; 2% fair, 84% good, 14% excellent. Pecans were reported as 1% poor, 9% fair, 82% good, 8% excellent. Cattle 1% very poor, 8% poor, 51% fair, 33% good, 7% excellent; sheep 9% very poor, 11% poor, 67% fair, 12% good, 1% excellent. Range, pasture feed conditions continued to improve slowly with 59% rated fair or better.

NEW YORK: Days suitable for fieldwork 5.0. Soil moisture 47% adequate, 53% surplus. Pasture feed 14% fair, 86% good. Hay fair to good. Second cutting alfalfa 47% complete, 65% 1995, 47% avg. Progress slow due to intermittent rainfall. Corn fair to good condition. Warmer weather needed to push growth. Wheat harvest slowed by showers, 41% finished, 69% 1995, 71% avg. Dry beans in blossom. Apples sizing well. Wetness increased disease pressure in vineyards, mildew, black rot present in some areas. Vine growth good, fruit sizing well. Grapes need hot, sunny weather. Vegetable harvesting gained momentum. Orange County onions being harvested.

NORTH CAROLINA: Days suitable for fieldwork 5.6. Soil moisture 11% very short, 20% short, 56% adequate, 13% surplus. Irish potatoes 96% harvested, 91% 1995, 95% avg.; hay 2nd cutting 79%, 56% 1995, 57% avg.; 3rd cutting 27%, 16% 1995, 19% avg.; Crop condition: Tobacco 5% very poor, 10% poor, 40% fair, 43% good, 2% excellent; hay 3% very poor, 29% poor, 38% fair, 28% good, 2% excellent; sweetpotatoes 1% very poor, 2% poor, 14% fair, 79% good; 4% excellent; apples 1% poor, 29% fair, 70% good; truck crops 4% very poor, 11% poor, 23% fair, 61% good, 1% excellent; Activities: Repairing storm damage; cultivating crops; spraying for insects, weed control; harvesting, topping flue-cured tobacco; cutting, baling hay; pasture maintenance; tending livestock; repairing equipment, general farm maintenance.

NORTH DAKOTA: Days suitable for fieldwork 5. Frequent rain showers, below-normal temperatures dominated the week causing crop disease concerns. Topsoil 4% very short, 22% short, 62% adequate, 12% surplus. Subsoil 3% very short, 24% short, 63% adequate, 10% surplus. Nearly all small grains reached the heading stage and beyond. Durum 44% milk and beyond; 25% 1995; 55% avg. Late season crop development was behind average except for potatoes, which were ahead. Late season crop development: Canola 95% blooming and beyond; flaxseed 63% blooming and beyond; 43% 1995; 66% avg.; dry edible beans 35% podding and beyond; 25% 1995; 38% avg.; soybeans 37% podding and beyond; 28% 1995; 38% avg.; sunflowers 3% blooming and beyond; 6% 1995, 13% avg.; potatoes 80% rows filled; 63% 1995; 69% avg. Crop conditions declined from last week, haying operations were slowed. Emerged crop condition: durum 4% poor, 29% fair, 60% good, 7% excellent; canola 2% poor, 17% fair, 62% good, 19% excellent; flaxseed 3% poor, 21% fair, 67% good, 9% excellent; corn 2% poor, 24% fair, 59% good, 15% excellent; dry edible beans 1% very poor, 4% poor, 17% fair, 65% good, 13% excellent; soybeans 10% poor, 33% fair, 46% good, 11% excellent; sunflower 1% poor, 16% fair, 64% good, 19% excellent; sugar beets 1% very poor, 2% poor, 14% fair, 68% good, 15% excellent; potatoes 1% very poor, 3% poor, 5% fair, 67% good, 24% excellent.

OHIO: Days suitable for fieldwork 5.5. Topsoil 4% very short, 24% short, 66% adequate, 6% surplus. Alfalfa hay second cutting 57% complete; other hay second cutting 31% complete. Fresh market tomatoes, sweet corn, peppers, cucumbers are being harvested. Blue mold found in tobacco, leafhoppers reported in Alfalfa, vomitoxin infecting some wheat varieties.

OKLAHOMA: Days suitable for fieldwork 5.2. Topsoil 3% very short, 23% short, 73% adequate, 1% surplus. Subsoil 6% very short, 39% short, 54% adequate 1% surplus. Wheat 89% plowed, 85%

1995, 86% avg.; 5% seedbed prepared, 5% 1995, 5% avg.; corn 47% milk-to-soft, 22% 1995, 42% avg.; 10% mature, 3% 1995, 4% avg.; Sorghum 17% milk-to-soft, 3% 1995, 6% avg.; 11% mature, 1% 1995, 1% avg.; soybeans 74% blooming, 52% 1995, 40% avg.; 37% setting pods, 26% 1995, 17% avg.; 1% mature, 0% 1995, 2% avg.; peanuts 80% setting pods, 33% 1995, 36% avg.; alfalfa 5% poor, 30% fair, 61% good, 4% excellent; alfalfa hay 53% 3rd cutting, 62% 1995, 59% avg.; 5% 4th cutting, 5% 1995, 4% avg.; livestock 3% poor, 20% fair, 73% good, 4% excellent. Feeder steers, heifers were steady to \$1/cwt higher.

OREGON: Days suitable for fieldwork 6.9. Topsoil 2% very short, 49% short, 49% adequate. Subsoil 1% very short, 40% short, 59% adequate. Barley 16% harvested, 26% 1995, 31% avg. Activities: Winter wheat harvest full swing, eastern sections. Weather good for small grains harvest. Haying continued, statewide. Grass seed harvest full swing, wheat harvest underway, Willamette Valley. Heavy nursery irrigation. Southern coast Easter lily field preparation underway. Christmas tree spraying continued. Green beans harvest underway, sweet corn growing rapidly and tasseling, squash and broccoli harvest underway, nonstop irrigation underway. Heat problems a concern, Malheur County potatoes. Klamath Basin potatoes flowering underway. Mid-Columbia potato harvest full swing. Raspberry harvest winding down, blueberry, Marion variety blackberry, and boysenberry harvest continued, hazelnuts filling, early peach harvest underway, Willamette Valley. Pears and apples good, blackberry and blueberry harvest underway, Rogue River Valley. Blueberry harvest continued, cranberry fruit development good, southern coast. Livestock good-excellent. Pasture feed good, some spots drying out, statewide. Malheur County range fires possible with thunderstorms.

PENNSYLVANIA: Days suitable for fieldwork 4.7. Soil moisture 4% short, 88% adequate, 8% surplus. Much variation in corn growth across counties due to difficult planting conditions. Corn height 63 in., 63 in. 1995, 60 in. avg. Soybean 1% very poor, 3% poor, 18% fair, 62% good, 16% excellent. Barley 98% harvested, 83% 1995, 83% avg. Wheat 84% harvested, 77% 1995, 69% avg. Alfalfa second cutting 65% complete, 55% 1995, 63% avg. Timothy clover first cutting 94% complete, 93% 1995, 97% avg. Timothy clover second cutting 23% complete, 18% 1995, 18% avg. Quality of hay made 2% very poor, 10% poor, 32% fair, 43% good, 13% excellent. Peach 1% very poor, 8% poor, 28% fair, 56% good, 7% excellent. Apple 1% very poor, 16% poor, 32% fair, 41% good, 10% excellent. Activities: Making hay and haylage; harvesting small grains; spraying; fixing fences; hauling manure; caring for livestock.

PUERTO RICO: No weather data available.

SOUTH CAROLINA: Corn 6% very poor, 17% poor, 31% fair, 32% good, 14% excellent; 92% doughed, 91% 1995, 91% avg.; 57% mature, 45% 1995, 43% avg.; 6% harvested, 3% 1995, 5% avg. Sorghum 9% harvested, 8% 1995, 7% avg.; 37% poor, 40% fair, 22% good, 1% excellent. Tobacco topped 99%, 97% 1995, 97% avg.; 34% harvested, 39% 1995, 38% avg.; 1% very poor, 3% poor, 13% fair, 61% good, 22% excellent. Peach harvest 72% complete, 67% 1995, 67% avg.; 17% very poor, 22% poor, 60% fair, 1% good. Watermelons 95% harvested, 89% 1995, 84% avg.; 11% very poor, 34% poor, 28% fair, 27% good. Cantaloups 95% harvested, 85% 1995, 81% avg.; 47% poor, 39% fair, 13% good, 1% excellent. Tomatoes 99% harvested, 94% 1995, 98% avg.; 2% poor, 24% fair, 43% good, 31% excellent. Cucumbers 98% harvested, 83% 1995, 86% avg.; 7% very poor, 8% poor, 35% fair, 50% good.

SOUTH DAKOTA: Days suitable for fieldwork 5.9. Topsoil 4% very short, 34% short, 59% adequate, 3% surplus. Subsoil 2% very short, 18% short, 72% adequate, 8% surplus. Barley 77% turning color, 69% 1995, 82% avg.; 12% ripe, 23% 1995, 48% avg. Oats 77% turning color, 68% 1995, 84% avg.; 37% ripe, 29% 1995, 62% avg.

Spring wheat 79% turning color, 61% 1995, 80% avg.; 13% ripe, 17% 1995, 38% avg.; 1% harvested, 0% 1995, 13% avg. Corn 35% tasseled, 27% 1995, 50% avg. Flax 68% blooming, 80% 1995, 72% avg. Flax 1% fair, 80% good, 19% excellent. Sunflowers 1% poor, 10% fair, 64% good, 25% excellent. Winter wheat 94% turning color, 100% 1995, 99% avg.; 71% ripe, 92% 1995, 89% avg. Winter wheat 2% very poor, 8% poor, 27% fair, 56% good, 7% excellent. Winter rye 58% ripe, 98% 1995, 85% avg.; 15% poor, 20% fair, 55% good, 10% excellent. Dry weather hastened the development of small grains as winter wheat harvest is in full swing, spring small grain harvest is beginning. Row crops are in need of moisture as corn is beginning to silk, soybeans, sunflowers are blooming. Second cutting alfalfa 54% harvested, 51% 1995, 46% avg. Other hay 74% harvested, 66% 1995, 60% avg. Livestock 9% fair, 71% good, 20% excellent. Stock water supplies 2% short, 86% adequate, 12% surplus.

TENNESSEE: Days suitable for fieldwork 4.4. Topsoil 11% short, 79% adequate, 10% surplus. Subsoil 1% very short, 12% short, 77% adequate, 10% surplus. Corn 1% very poor, 2% poor, 24% fair, 51% good, 22% excellent; 65% dough, 65% 1995, 48% avg., 19% dent, 21% 1995, 15% avg. Tobacco 1% very poor, 7% poor, 32% fair, 52% good, 8% excellent; 35% topped, 36% 1995, 34% avg. Sorghum 2% poor, 22% fair, 63% good, 13% excellent; 50% headed, 69% 1995, 59% avg. Alfalfa hay 3% poor, 33% fair, 54% good, 10% excellent; 93% second cutting, 99% 1995, 98% avg. Other hay 1% very poor, 13% poor, 42% fair, 34% good, 10% excellent. Pasture feed 1% very poor, 10% poor, 41% fair, 42% good, 6% excellent. Cattle 2% very poor, 5% poor, 34% fair, 49% good, 10% excellent. Apple crop 5% very poor, 10% poor, 26% fair, 40% good, 19% excellent.

TEXAS: Scattered showers, high temperatures continued across State. Locally heavy rain fell parts of Plains. High winds accompanied rains causing some damage. Isolated rains also fell parts south-central areas. However, too late for much benefit to grain crops. Fieldwork progressed all areas, only slight delays because wet ground. Livestock markets seen slight improvement over past few weeks. Haying operations continued some areas.

Crops: Small grain harvest completed during week with land preparation underway for fall planting. Corn good progress on most fields in High Plains. However, high winds caused some damage. Early fields denting. Harvest operations continued southern areas, Coastal Bend, Rio Grande Valley. Harvest also continued along Upper Coast. 79% dough, 68% 1995, 68% avg.; 62% denting, 57% 1995, 53% avg.; 47% mature, 38% 1995, 37% avg.; 13% harvested, 13% 1995, 13% avg. Grain sorghum development good in Plains, insect populations increasing. Fields beginning head out. Rains helped fields drier parts of area. Fields maturing rapidly north-central areas. Harvest continued south-central areas. Harvest winding down many fields in Coastal Bend, Rio Grande Valley. 55% coloring, 71% 1995, 63% avg.; 47% mature, 60% 1995, 48% avg.; 30% harvested, 48% 1995, 36% avg. Cotton: Irrigated fields in Plains continued show good progress. Rainfall should provide some benefit to dryland fields. Insect populations increasing, some spraying occurring. Bolls opening southern areas. However, dry conditions taking its toll on crop. Harvest beginning in Coastal Bend. Harvest continued in Rio Grande Valley. 11% bolls opening, 11% 1995, 9% avg.; 1% harvested, 1% 1995, 2% avg. Rice: More fields drained during week in preparation for harvest. Harvest begun some fields. Early yields good. 4% harvested, 8% 1995, 10% avg. Peanuts: Most fields in very good condition north-central areas. Fields southern areas continued suffer from dry conditions despite some rain during week. Soybeans: Irrigation operations continued in Plains where fields showing good progress. Harvest early varieties expected begin soon along Upper Coast.

Commercial Vegetables: Rio Grande Valley, land preparations continued. However, acreage may be reduced because lack of irrigation water. San Antonio- Winter Garden, most production completed for season. Land preparation underway for fall planting.

East, melon, tomato production almost complete. Sweetpotatoes need additional moisture. High Plains, onion, potato harvest winding down. Sweet corn harvest increasing. Trans-Pecos, onion, cantaloupe harvest continued. Pecans: Prospects continued varied, most areas seeing smaller crop. The crop southern areas, Trans-Pecos expected to be good. Dry conditions continued cause additional nut drop. Normal spraying operations continued.

Range and Livestock: Recent rains provided enough moisture some areas for a greenup. However, growth remained slowed by high temperatures. Haying operations continued some areas. Cattle markets showing some improvement. Cattle, sheep producers continued sell off animals because lack of adequate forage.

UTAH: Days suitable for fieldwork 6.9. Topsoil 14% very short, 44% short, 40% adequate, 2% surplus. Subsoil 13% very short, 41% short, 45% adequate, 1% surplus. Irrigation water supply 9% very short, 24% short, 64% adequate, 3% surplus. Stock water supply 6% very short, 37% short, 57% adequate. Winter wheat harvested 54%, 14% 1995, 32% avg. Spring wheat harvested 33%, 4% 1995, 20% avg. Barley harvested 36%, 11% 1995, 25% avg. Oats headed 90%, 83% 1995, 92% avg.; harvested for grain 9%, 3% 1995, 5% avg. Corn height 62 in., 37 in. 1995, 52 in. avg.; tasseled 19%, 2% 1995, 29% avg. Alfalfa hay second cutting 63%, 38% 1995, 60% avg. Oats harvested for hay or silage 50%, 61% 1995, 56% avg. Other hay cut 65%, 61% 1995, 68% avg. Tart cherries picked 80%, 41% 1995. Range, pasture feed 5% very poor, 13% poor, 37% fair, 45% good. Major farm, ranch activities: Irrigating crops, harvesting wheat, barley, second crop alfalfa, picking tart cherries.

VIRGINIA: Days suitable for fieldwork 4.6. Topsoil 5% short, 75% adequate, 20% surplus. Subsoil 15% short, 69% adequate, 16% surplus. Corn 65% silked, 1995 66%, 68% avg.; 35% dough, 1995 22%, 28% avg.; 1% very poor, 3% poor, 11% fair, 53% good, 32% excellent. Soybeans 26% bloomed, 1995 31%, 30% avg.; 3% setting pods, 1995 10%, 12% avg.; 4% poor, 11% fair, 65% good, 20% excellent. Oats 98% harvested, 78% 1995, 95% avg. Winter wheat 99% harvested, 94% 1995, 99% avg. Barley 100% harvested, 100% 1995, 100% avg. Cotton 15% fair, 45% good, 40% excellent. Peanuts 94% pegged; 9% fair, 40% good, 51% excellent. Alfalfa 1% very poor, 9% poor, 25% fair, 54% good, 11% excellent. Other hay 1% very poor, 14% poor, 33% fair, 41% good, 11% excellent. Summer potatoes 70% harvested, 63% 1995, 74% avg. Fire cured tobacco 3% very poor, 5% poor, 30% fair, 55% good, 7% excellent. Flue cured tobacco 9% harvested, 12% 1995, 9% avg.; 3% very poor, 5% poor, 29% fair, 30% good, 33% excellent. Burley tobacco 22% fair, 50% good, 28% excellent. Sun cured tobacco 30% fair, 50% good, 20% excellent. Pasture feed 5% poor, 25% fair, 50% good, 20% excellent. Apples 5% harvested, 6% 1995, 7% avg.; 5% very poor, 10% poor, 10% fair, 60% good, 15% excellent. Peaches 15% harvested, 26% 1995, 31% avg. Activities: Field activities slowed by numerous thunderstorms through the week, general rains over the weekend. Growers applying fungicides to peanuts. Cotton being sprayed with insecticides, growth regulators. Late soybeans being sprayed with herbicides. Growers spraying, topping tobacco. Flue tobacco harvest continues. Vegetables, especially eastern shore, developing disease, fungus problems from excess moisture. Fall vegetable crops being planted. Peach harvest well underway, apple harvest beginning.

WASHINGTON: Days suitable for fieldwork 7.0. Topsoil 9% very short, 32% short, 59% adequate; subsoil 33% short, 67% adequate. Hot, dry weather prevailed. Winter wheat harvest was in full swing. Preliminary reports held promise of high yields. Hot, dry conditions hastened the dry-down of cereal grains. Winter wheat, dryland 17% fair, 48% good, 35% excellent; irrigated, 82% good, 18% excellent. Barley, dryland 6% very poor, 13% poor, 26% fair, 37% good, 18% excellent; irrigated, 9% fair, 88% good, 3% excellent. Spring wheat, dryland 7% very poor, 11% poor, 20% fair, 41% good, 21% excellent;

irrigated, 89% good, 11% excellent. Winter wheat 17% harvested, 19% 1995, 25% avg. Spring wheat 100% headed, 100% 1995, 100% avg. Barley 100% headed, 100% 1995, 100% avg. Hay, other roughage supplies, 1% short, 96% adequate, 3% surplus. Range, pasture feed, 17% poor, 30% fair, 47% good, 6% excellent. As hot, dry conditions prevailed first cutting of timothy hay was completed, with excellent quality reported. Pastures were dry due to hot weather. Alfalfa first cutting 100%, 100% 1995, 100% avg.; second cutting 85%, 66% 1995, 71% avg. Apricot harvest was in full swing. Regular season sweet corn harvest got underway. Lettuce, other vegetable harvest went well. Processing pea harvest continued. Blueberry harvest continued. Farmers irrigated corn, pumpkins, forage production fields. Cranberries were under irrigation, weed control programs. Potato harvest continued. Potatoes 9% harvested, 8% 1995, 6% avg.; 3% fair, 94% good, 3% excellent.

WEST VIRGINIA: Days suitable for fieldwork 4.30. Topsoil 4% short, 74% adequate, 22% surplus. Wheat 8% poor, 61% fair, 31% good; 89% harvested, 35% 1995, 78% avg. Hay 8% poor, 37% fair, 47% good, 8% excellent; first cutting 94%, 100% 1995, 99% avg.; 2nd cutting 26%, 35% 1995, 35% avg. Corn 4% poor, 12% fair, 73% good, 11% excellent; 44% silk stage, 50% 1995, 58% avg.; 9% dough stage, 10% 1995, 16% avg. Oats 8% poor, 21% fair, 67% good, 4% excellent; 99% headed; 39% harvested, 50% 1995. Soybeans 7% fair, 68% good, 25% excellent; blooming 57%, 70% 1995, 15% setting pods, 20% 1995. Tobacco 18% poor, 53% fair, 29% good; 5% topped, 25% 1995. Cattle 18% fair, 78% good, 4% excellent. Sheep 9% fair, 87% good, 4% excellent. Apples 92% fair, 8% good. Peaches 100% fair. Activities: Cutting, baling hay, harvesting oats, wheat, peaches, topping tobacco, working livestock, clipping pastures, repairing farm roads in some areas due to heavy rain damage, equipment maintenance.

WISCONSIN: Days suitable for fieldwork 5.8. Field activities included spraying for corn borers, cultivating tobacco. Soil moisture 3% very short, 17% short, 74% adequate, 6% surplus. Corn height increased 10 in. last week to 56 in., 70 in. 1995. A reporter from the central district commented on corn height varying in fields from ankle-high head-high, depending on soil conditions. Corn has started to tassel in some fields across the State. Areas in the south-central district had many cornfields with blank spots due to flooding. Soybean acreage was reported 20% bloomed statewide, compared with 30% 1995. Soybean conditions 1% very poor, 6% poor, 18% fair, 62% good, 13% excellent. Second crop hay harvested statewide was at 38%, compared with 58% 1995, 48% avg. There is still first crop hay to harvest in areas that were hit with consistent showers on lower grounds. Second crop hay has continued to be very good in quality, quantity varied. Winter wheat was reported 5% harvested with comments of the wheat having troubles drying in the fields, some fields need another two weeks before harvest. Potato leaf blight in Langlade county was noted as being serious, with fields being disked down. Snap beans were being harvested statewide. South-east district reported apple trees bearing little or no fruit. Pasture feed 4% very poor, 8% poor, 29% fair, 50% good, 9% excellent.

WYOMING: Days suitable for fieldwork 6.8. Topsoil 30% adequate or better. Subsoil 51% adequate or better. Winter wheat 91% mature, 65% 1995, 72% avg.; 48% harvested, 11% 1995, 28% avg. Barley 19% mature, 10% 1995, 30% avg.; 1% harvested, 1% 1995, 5% avg. Oats 18% mature, 13% 1995, 15% avg.; 4% harvested, 3% 1995, 3% avg. Spring wheat 16% mature, 3% 1995, 18% avg.; 3% harvested, 0% 1995, 2% avg. Dry beans 73% in bloom, 66% 1995, 67% avg.; 21% setting pods, 15% 1995, 28% avg. Corn 66% tasseled, 38% 1995, 42% avg.; 25% silked, 6% 1995, 15% avg. Alfalfa 1st cutting 95%, 93% 1995, 94% avg.; 13% second cutting, 5% 1995, 11% avg. Other hay 58% harvested, 53% 1995, 59% avg. Range, pasture feed 1% poor, 33% fair, 60% good, 6% excellent.

International Weather and Crop Summary

July 21 - 27, 1996

HIGHLIGHTS

FSU-WESTERN: Continued dry weather over southern Russia and eastern Ukraine adversely affected summer crop development but favored winter wheat harvesting.

FSU-NEWLANDS: Widespread showers benefited spring wheat in Russia, while unfavorable dryness continued over crop areas in western Kazakhstan.

EUROPE: Dry weather favored winter grain harvesting in France and most of southeastern Europe.

MEXICO: Showers benefited vegetative corn in the western corn belt and pastures in north-central Mexico. Hot, dry weather worsened drought across northeastern Mexico.

SOUTH ASIA: Heavy rain caused some flooding in the main soybean belt and some eastern rice areas.

SOUTHEAST ASIA: Tropical storms brought heavy rain and flooding to northern Vietnam and the northern Philippines. Dryness reduced moisture for rainfed corn and sugarcane in central Thailand.

EASTERN ASIA: Drier, warmer weather eased flooding across the lower Yangtze Valley, as showers benefited summer crops in the North China Plain and Manchuria.

SOUTH AMERICA: Cool weather continued to slow wheat development across central Argentina and southern Brazil and caused some burn back.

AUSTRALIA: Beneficial rain throughout most winter grain areas improved moisture reserves for vegetative development.

CANADA: Cool weather persisted in the Prairies, further slowing crop growth and raising concerns for disease in the wettest areas.

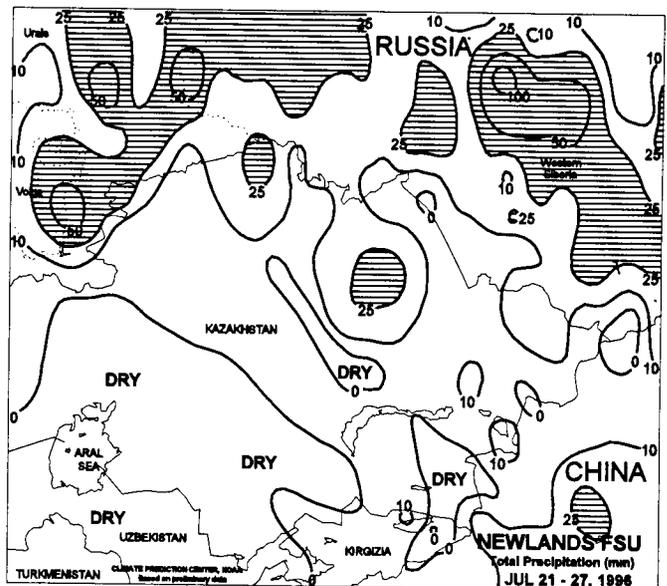
FSU-WESTERN

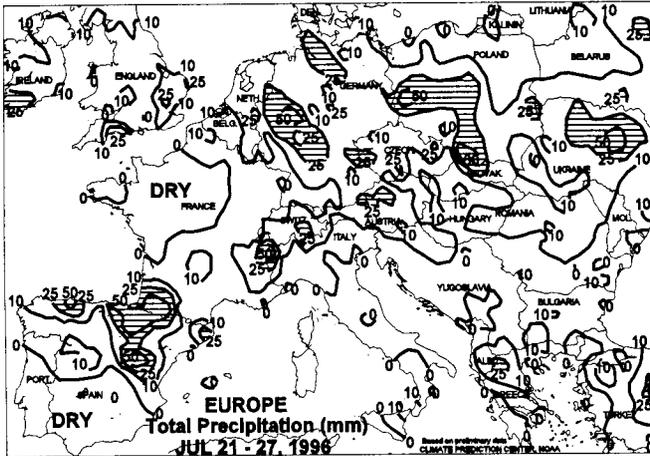
In Russia, light to moderate showers (10-50 mm, with local amounts in excess of 50 mm) fell over northern areas (Central Region, northern Black Soils Region, and the Volga Vyatsk), benefiting spring grains in the reproductive to filling stages of development. Farther south, mostly dry weather prevailed over the Volga Valley, southern Black Soils Region, and the western half of the North Caucasus. Although the dryness in these areas favored winter grain harvesting and spring grain maturation, soil moisture reserves remained unfavorably low for corn, sunflower, and sugar beet development. In Ukraine, dryness persisted over the eastern two-thirds of the country. While the dryness benefited winter grain harvesting, it continued to adversely affect summer crop development. Farther west, light to moderate showers (10-50 mm) covered the western Ukraine, benefiting spring grains and summer crops. Elsewhere, scattered showers (generally less than 10 mm) occurred over the Baltics and Belarus. Weekly temperatures averaged 2 to 4 degrees C below normal over Russia, 3 to 5 degrees C below normal over Ukraine, and 1 to 3 degrees C below normal over the Baltics and Belarus.



FSU-NEW LANDS

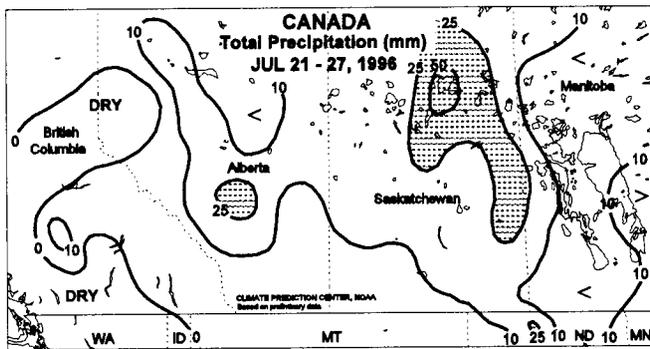
In Russia, widespread light to moderate showers (10-50 mm, with local amounts in excess of 50 mm) fell over the Urals and most of Western Siberia, benefiting spring grains in the filling stage. In Kazakhstan, light, scattered showers were accompanied by above-normal temperatures during the week, increasing stress on spring grains in the filling stage. Precipitation amounts generally ranged from 2 to 10 mm, with a few locations in the extreme north and east receiving rainfall in excess of 10 mm. Highest weekly temperatures ranging from 32 to 39 degrees C occurred in the western half of the country, while temperatures reached 30 to 32 degrees C in the east.





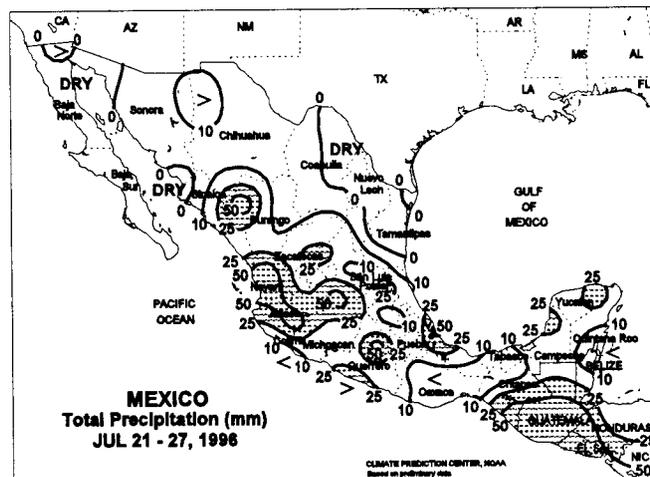
EUROPE

Warm, dry weather prevailed over central and northern France, favoring winter grain harvesting and spring grain maturation. Light to moderate showers (10-52 mm) over southern France benefited corn development. Elsewhere, light to moderate showers (10-25 mm, with local amounts in excess of 50 mm) fell from England, eastward through Germany, into Poland. The rain in these areas favored spring grain and summer crop development but likely caused some delays in winter grain harvesting. In southeastern Europe, mostly dry weather benefited winter and spring grain harvesting. However, additional rain was needed for developing summer crops. Weekly temperatures averaged 2 to 4 degrees C above normal in western Europe and 2 to 4 degrees C below normal in the east.



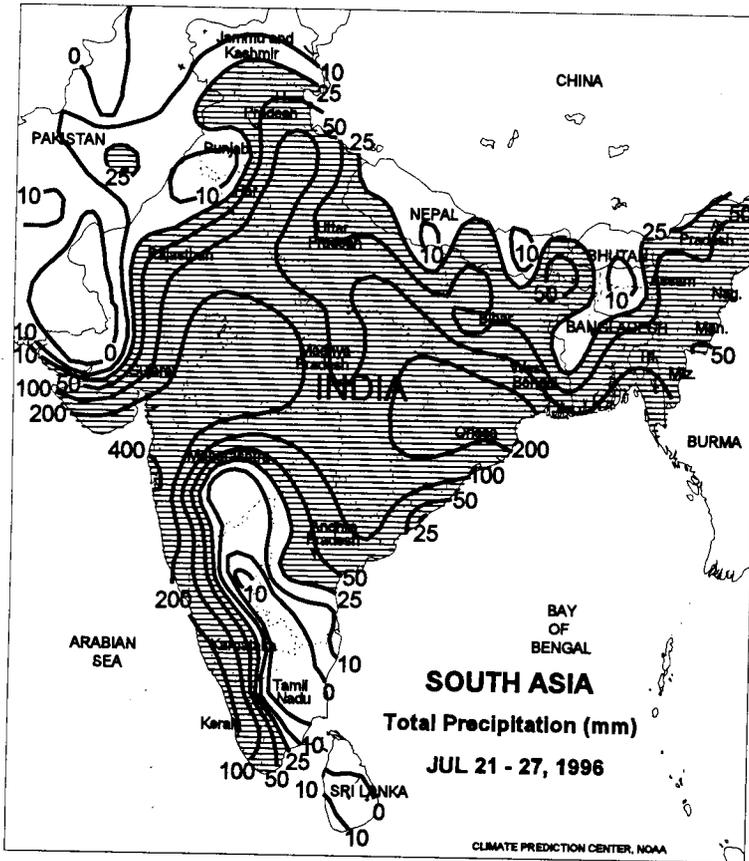
CANADA

Cooler-than-normal weather persisted in the Prairies, causing crops to fall further behind in development. In fact, high temperatures failed to reach 30 degrees C during the week over most of the region. In the southwest, rainfall continued to be unfavorably light (3-7 mm), reducing available topsoil moisture for normal crop development. In contrast, the wetness in the northeast (rainfall exceeding 25 mm) raised further concern for disease and pest infestation. Spring grains and oilseeds are reproductive to filling and, in recent years, have experienced disease problems at this stage due to adverse weather conditions. In Ontario, mostly dry, unseasonably mild weather covered the main crop areas. In Quebec, light rain (9-19 mm) fell in the main agricultural areas. Summer crops in eastern Canada are also behind normal in development due to late plantings and a lack of heat.



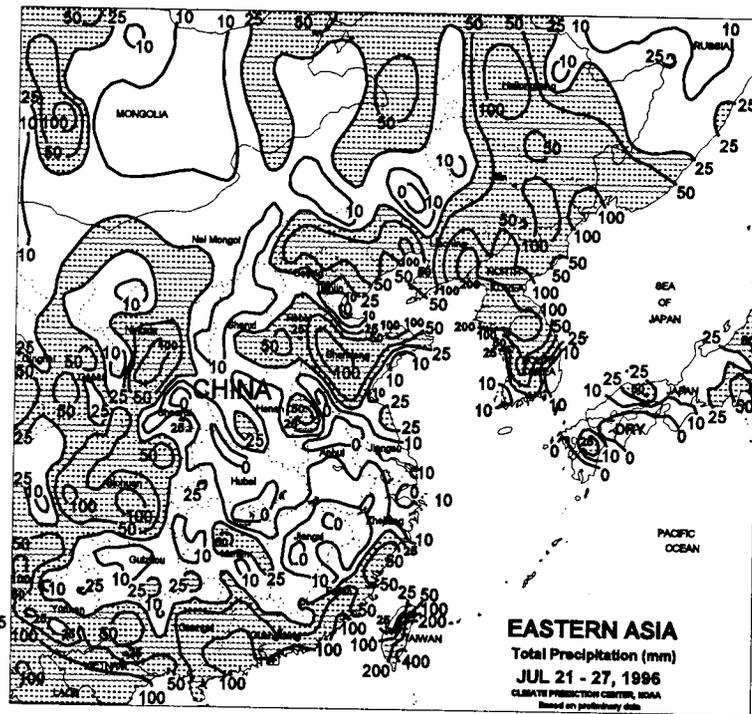
MEXICO

Showers (18-80 mm) covered the western corn belt, boosting soil moisture for vegetative corn. Somewhat drier weather (5-25 mm) prevailed across the eastern corn belt and the eastern coast (Veracruz). Additional showers are needed for coffee and sugarcane across Veracruz, which has been receiving below-normal rainfall (60 percent of normal during the past 4 weeks). Seasonal showers (5-15 mm, with isolated amounts near 50 mm) continued to diminish long-term moisture deficits across north-central Mexico (Chihuahua and Durango). Little or no rain and hot weather (maximum temperatures 35-40 degrees C) worsened drought conditions across the northeast. Since early June, rainfall has been less than 25 percent of normal across northeastern Mexico. Temperatures averaged 1 to 3 degrees C above normal across most of northern and central Mexico.



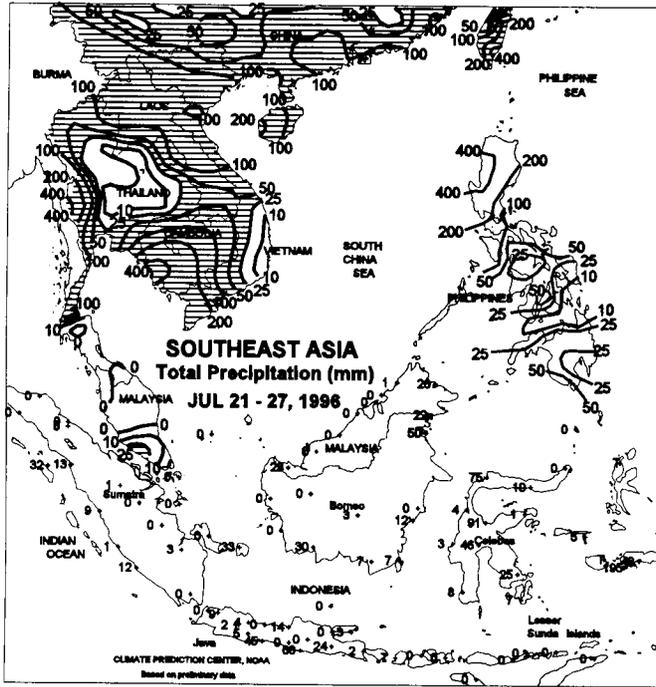
SOUTH ASIA

Very heavy rain (100-200 mm or more, exceeding 300 mm in a few locations) covered a broad area of central India. Some flooding was likely in the main soybean belt (western Madhya Pradesh) and sections of the eastern rainfed rice region. Inundating rain (220-400 mm) also fell along the southwest coast, but farther inland, light to moderate rain (5-50 mm) brought some relief to grains, oilseeds, and cotton in the southern interior. However, the lightest rain continued to be in southernmost sections of the southern interior. In the far north, scattered, light showers (5-35 mm) covered rice and cotton areas of Pakistan and north-central India. The southwest monsoon typically reaches its northernmost extent by late July and begins its withdrawal from this region in mid-September.



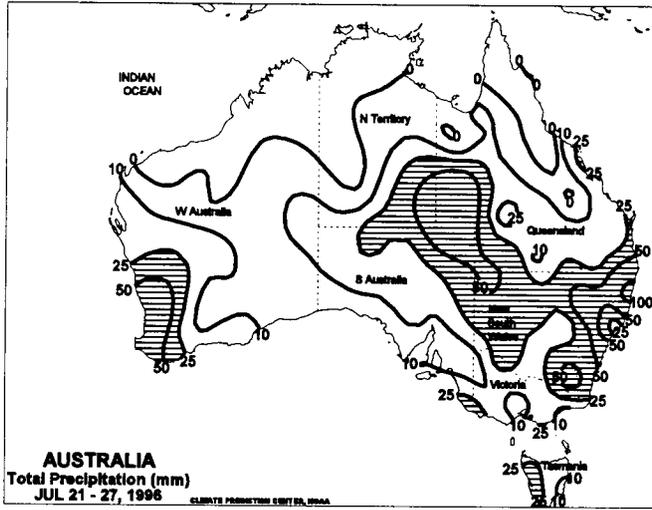
EASTERN ASIA

Drier, warmer weather (5-20 mm; 1-2 degrees C above normal) prevailed across the lower Yangtze Valley and interior southern China, easing flooding from previous excessive rain. Moderate showers (20-75 mm) covered the Sichuan Basin, the North China Plain, and Manchuria, aiding vegetative to reproductive summer crops. Rainfall in excess of 100 mm was reported in Shandong and Heilongjiang, causing local flooding. Tropical Storm Frankie, which later intensified to typhoon strength and hit northern Vietnam, hit Hainan Island with sustained winds of 40 knots (46 mph) on July 22. Frankie helped to produce heavy rain (50-175 mm) across Hainan Island and extreme southern China (Guangxi and Guangdong), increasing irrigation supplies but causing some coastal flooding. After brushing the Philippines, Typhoon Gloria clipped western Taiwan with 90 knot (104 mph) sustained winds on July 26. Gloria produced excessive rain and flooding (200-400 mm) in southeastern Taiwan, which is not a major rice area. Gloria then turned northwestward and hit southeastern China (Fujian) on July 27 with sustained winds of 70 knots (81 mph). Gloria brought moderate rain (25-60 mm) to Fujian and southern Zhejiang. Excessive rain (100-375 mm) fell across western North Korea and extreme northern South Korea, causing flooding and possible crop damage. The heaviest rain in North Korea was in the southwest, from the capital Pyongyang southward to the South Korean border, and not in the northwest, which was hit by flooding last summer. Japan reported favorably dry weather in the south and moderate rain (25-60 mm) in central and northern regions. Temperatures averaged 2 to 3 degrees C above normal across most of Japan and South Korea, while cloudiness and rain produced below-normal temperatures (1-2 degrees C) in North Korea.



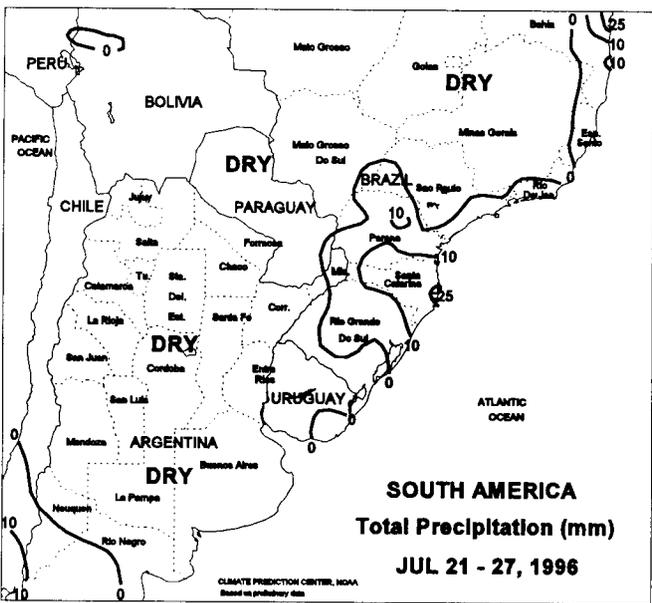
SOUTHEAST ASIA

Typhoon Gloria brushed the northern Philippines (Luzon Island) on July 24 and 25, helping to produce very heavy rain (200-450 mm) across the island. This rain alleviated dryness across the region, but also caused some flooding and local rice damage. Typically during the season, 20 to 25 tropical cyclones either hit or brush the Philippines, contributing to a major portion of the islands' seasonal rainfall. Typhoon Frankie hit northern Vietnam on July 23 with sustained winds of 85 knots (98 mph), causing some damage to coastal rice. Frankie helped to produce widespread mostly beneficial showers (80-170 mm) across the region, although some flooding also occurred. Drier weather (less than 20 mm) prevailed across north-central Thailand, reducing moisture for corn and sugarcane. Beneficial showers (25-75 mm) fell across extreme western and northern Thailand. Temperatures averaged near normal across Thailand, keeping evaporation rates at seasonable levels. Dry weather prevailed across the peninsular Malaysian oil palm areas. Light rain (3-15 mm) fell across Java, where second-season rice transplanting is underway.



AUSTRALIA

Moderate to heavy rain (10-35 mm, exceeding 50 mm locally) benefited vegetative winter grains throughout most of western and eastern Australia. The rain was especially beneficial in Queensland, which had been trending dry despite the recent improvement in other main areas. In contrast, lighter rain (10mm or less) fell in the southeastern winter grain belt (South Australia and Victoria). In New Zealand, moderate to heavy rain (20-50 mm or more) covered the main pasture areas.



SOUTH AMERICA

Cool weather (2-4 degrees C below normal; minimum temperatures 0 to -4 degrees C) again prevailed across the region, further slowing wheat development and burning back vegetative winter wheat. The freezing temperatures were widespread in central Argentina and limited to eastern Santa Catarina and northeast Rio Grande do Sul. In Brazil, winter wheat is just entering reproduction in Mato Grosso do Sul and northern Parana. Temperatures remained above freezing across this wheat region and the coffee and citrus areas. Light rain (5-20 mm) fell across the major wheat areas of eastern Parana southward into eastern Rio Grande do Sul. Dry weather favored wheat planting in Argentina.

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

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

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

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

Notice to Subscribers

Subscriptions to the *Weekly Weather and Crop Bulletin* are now being handled by the following office:

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

Please send subscription payments and change of address information to the above address. Phone or fax requests for subscription information should be directed to Mr. John Kopman (phone 301-763-8227, fax 301-763-8395). For questions or concerns relating to the content of the publication, or if you are having problems with your subscription, contact the Managing Editor or Editor: *Weekly Weather and Crop Bulletin*, NOAA/USDA Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, DC 20250. E-mail address: wwcb@jawfsrv.wwb.noaa.gov. Fax: 202-720-1455.

WEEKLY NEWS BULLETIN FIRST CLASS

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

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

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300