

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

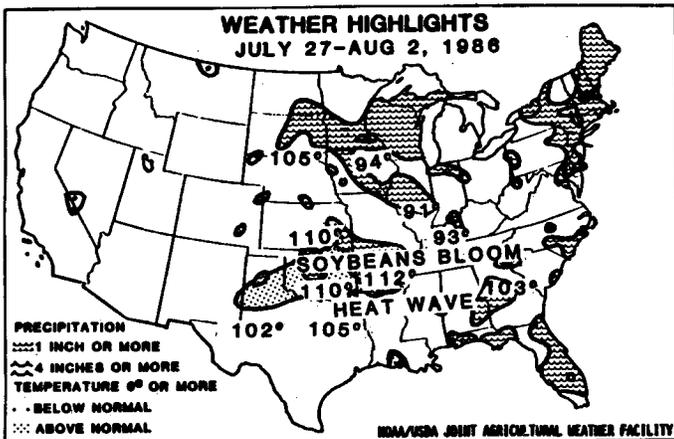
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National Weather Summary

July 27 to August 2, 1986



HIGHLIGHTS: Showers and thunderstorms were widespread from the central and northern Great Plains through the East Coast States and eastern gulf coast region. However, some areas from western Tennessee into northern Alabama and from West Virginia through southern Virginia had little or no rain. It was also dry in most of the West and from Texas through Louisiana. Afternoon temperatures of well above 100 degrees plagued the central and southern Plains and across the South to Georgia.

SUNDAY...Showers and thunderstorms were scattered through the East Coast States. Moderate to heavy amounts were widespread from southern Alabama into central Georgia and in southeastern North Carolina. Moderate to heavy thunderstorms were also clustered around the western Great Lakes region with lighter storms through the Missouri Valley. Very hot weather prevailed in the southern Plains with temperatures rising to the high nineties through Kansas and across the South to South Carolina.

MONDAY...Showers were confined to the extreme east coast and the eastern gulf coast. However, a line of moderate showers and thunderstorms developed from northeastern West Virginia northward into Canada. Light showers fell through the Ohio Valley and from Iowa into Illinois. Afternoon temperatures topped the century mark in the central and southern Plains and rose to the high nineties through southern Illinois and in the South and Southeast.

TUESDAY...A cold front moving through the Northeast triggered moderate showers and thunderstorms. Lighter storms covered the east coast. Elsewhere light to moderate thunderstorms developed from the Red River Valley of the North through the lower Missouri Valley. Cooler air pushed through the

northern Plains; but afternoon temperatures were unusually hot from the southern and central Plains across the South to South Carolina.

WEDNESDAY...Moderate to heavy thunderstorms covered the Northeast, and thunderstorms were scattered through the northern Plains and the middle and upper Mississippi Valley. Record-hot temperatures continued from the central and southern Plains into the Southeast.

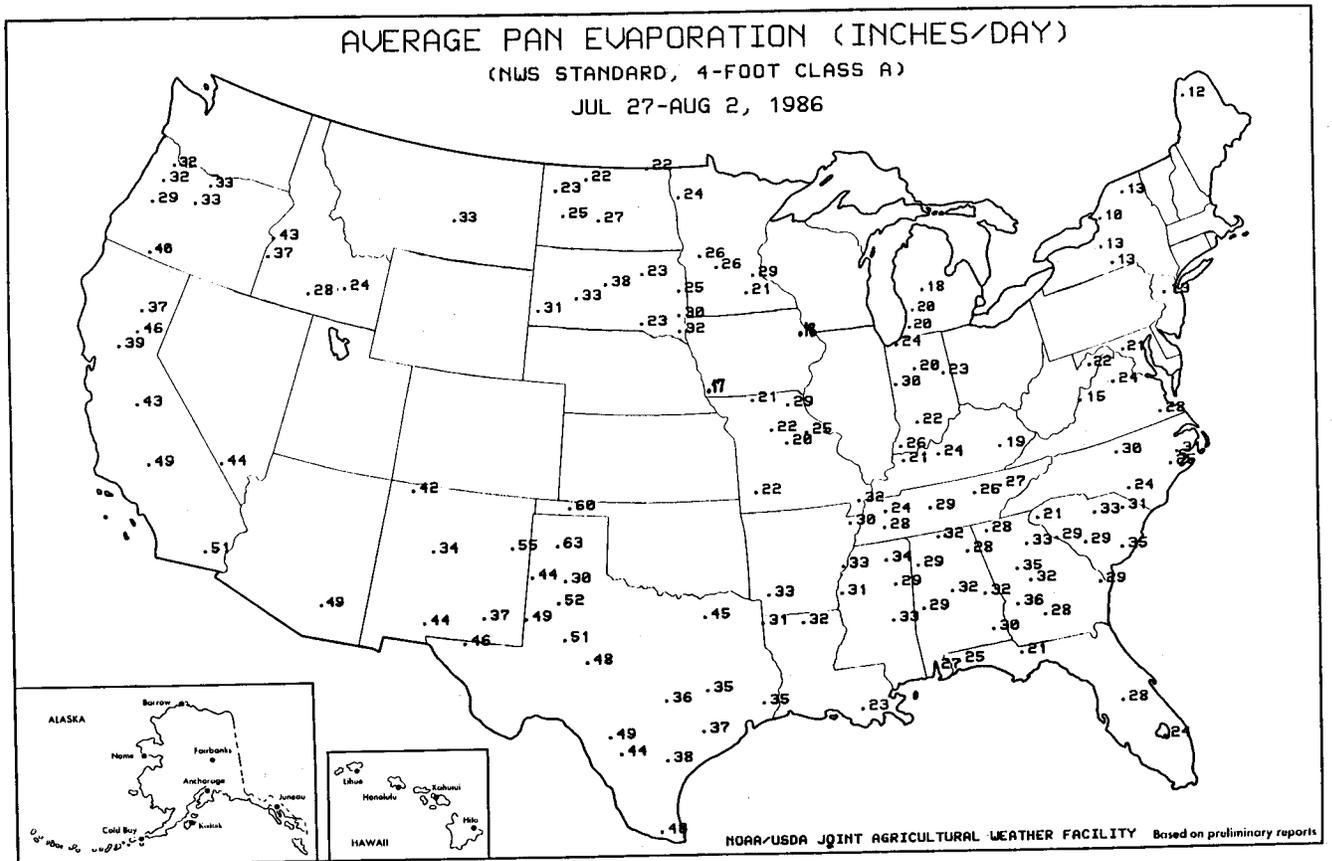
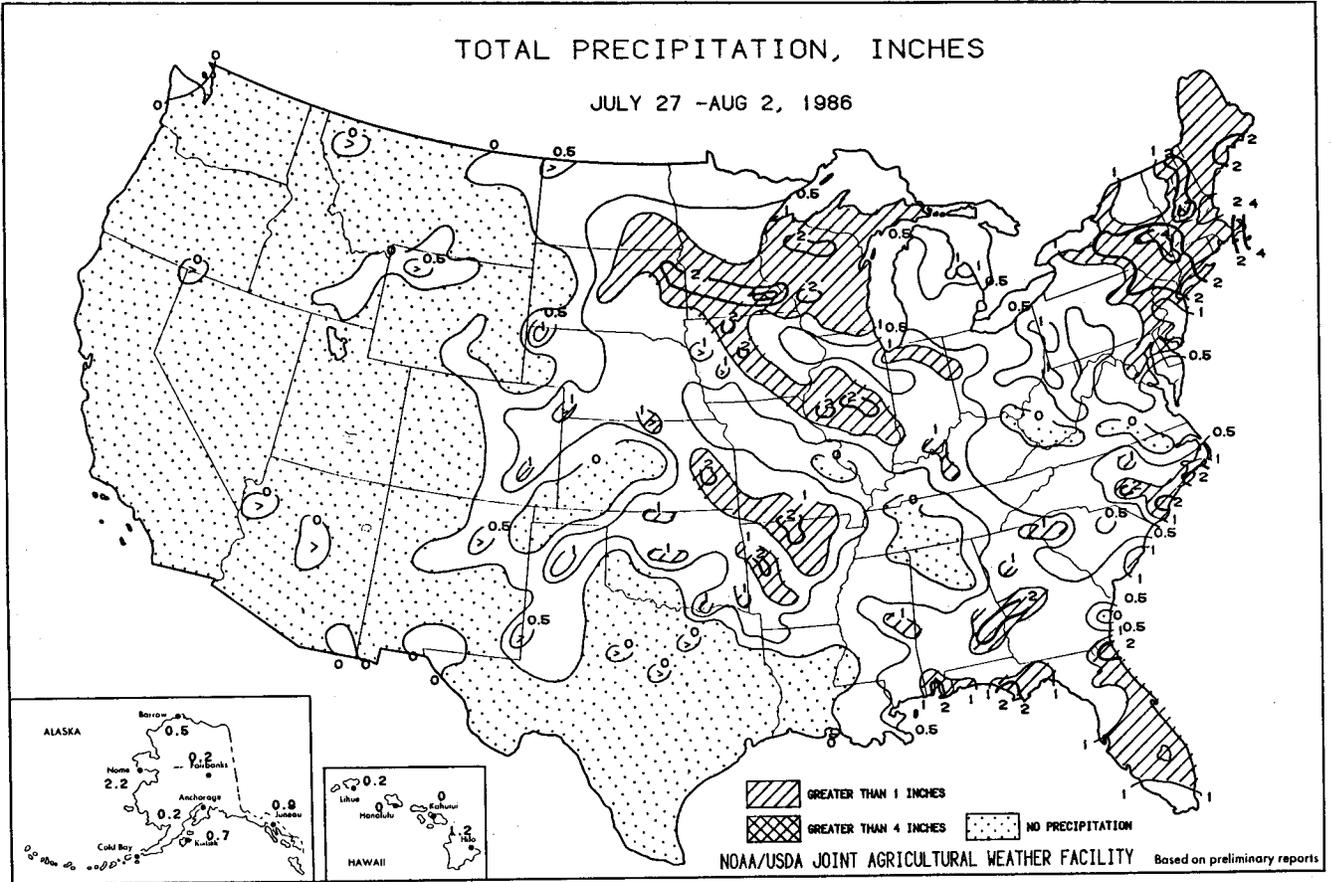
THURSDAY...Showers and thunderstorms were scattered from Florida and Georgia through the Tennessee Valley, the mid and lower Ohio Valley, the eastern Great Lakes region, and the Northeast. Afternoon thunderstorms developed through the central Plains and Rockies. Cooler air pushed southward, but the heat wave continued from the southern Plains to South Carolina.

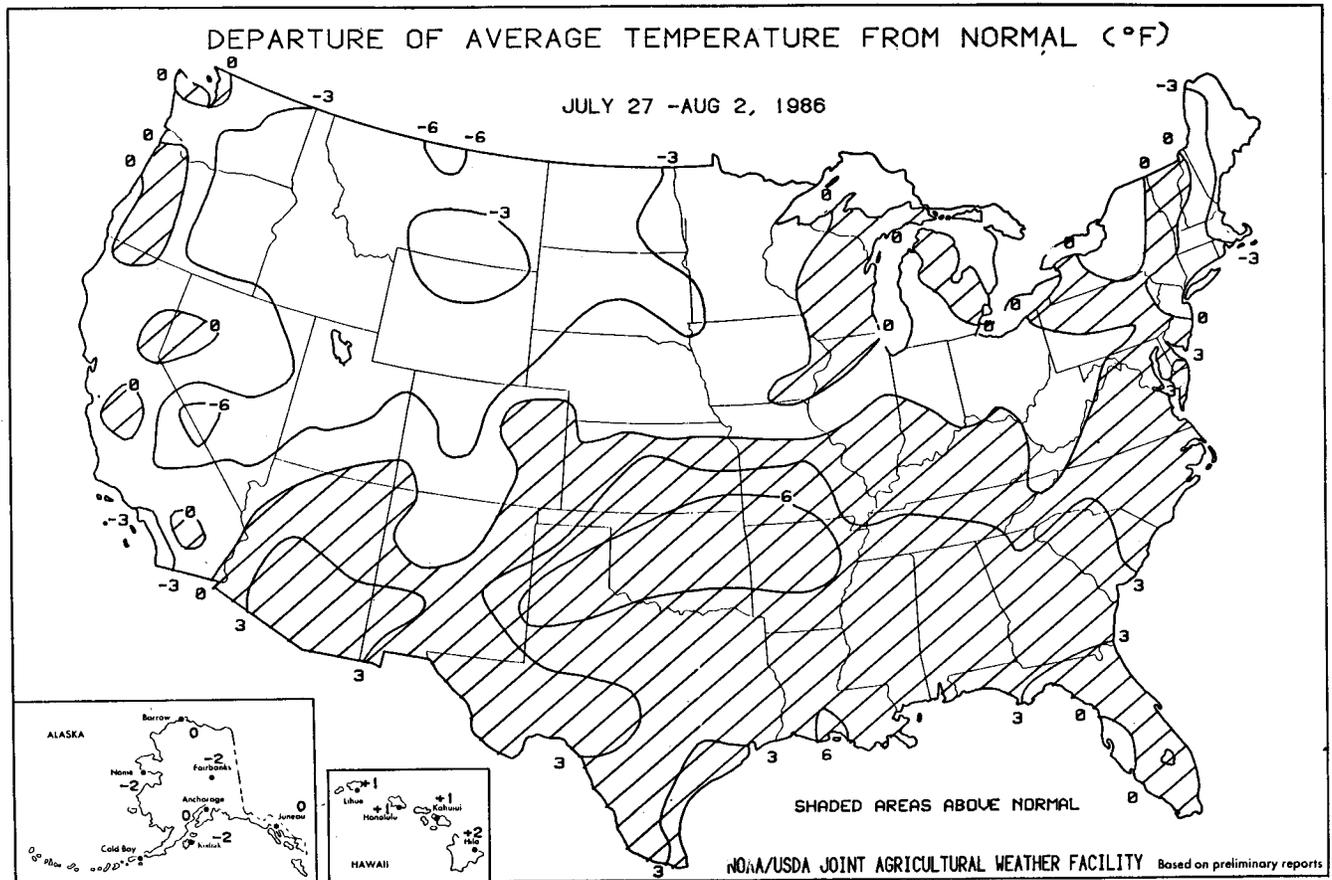
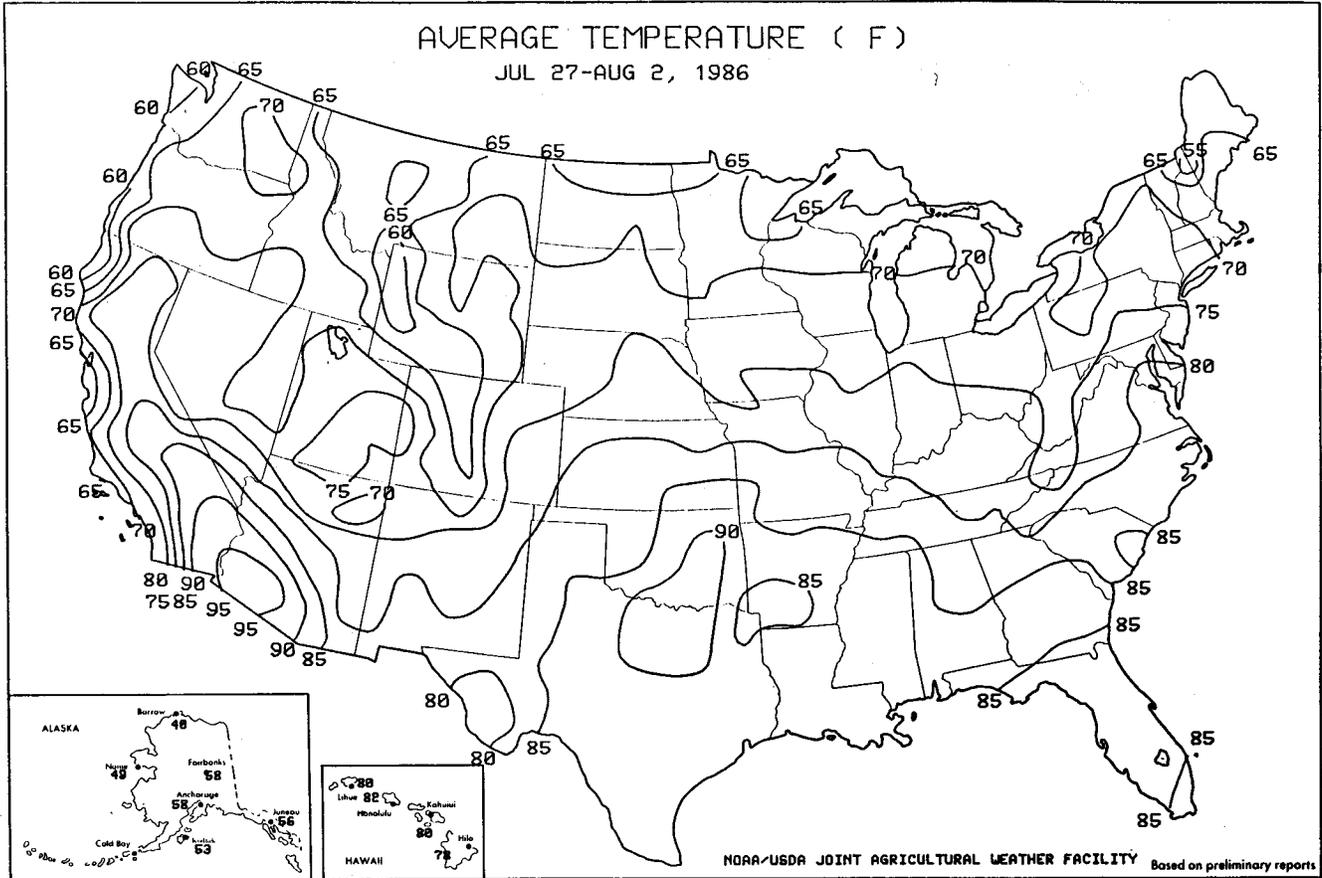
FRIDAY...Strong thunderstorms and severe weather developed ahead of the cooler air from Nebraska into Arkansas. Thunderstorms also triggered moderate to heavy showers from the upper Ohio Valley through the Northeast. Scattered showers covered the Southeast Coast and through South Carolina. Hot weather continued from the southern Plains to South Carolina. Hot weather was spreading northward along the west coast and reached into Washington.

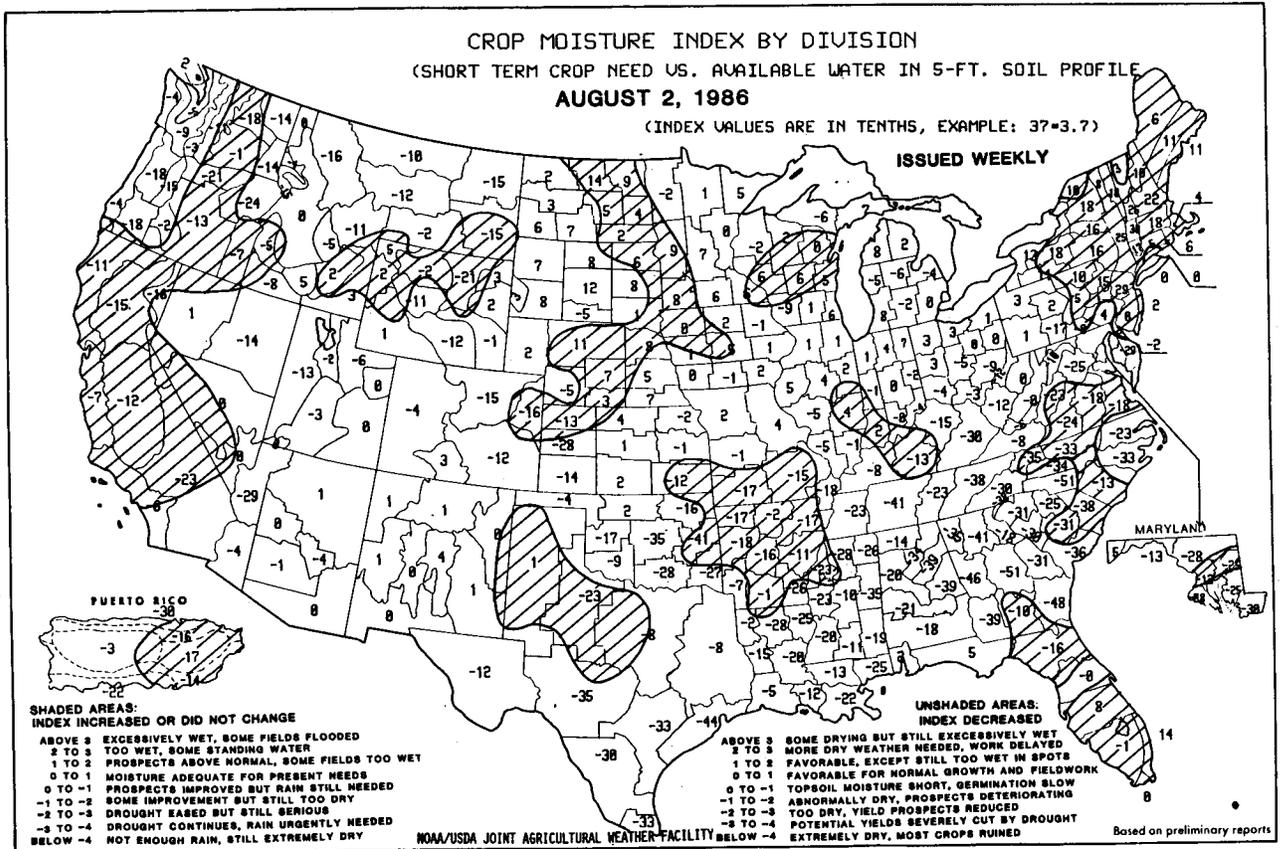
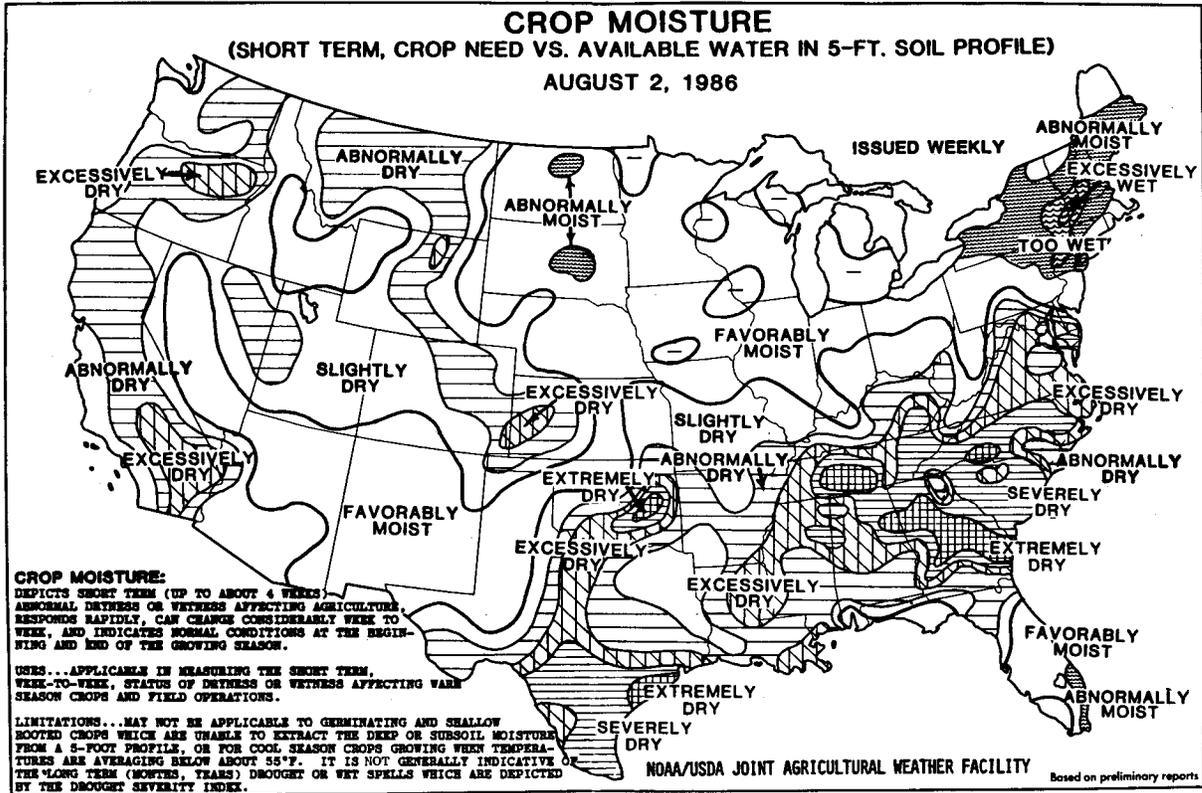
SATURDAY...Moderate to heavy thunderstorms developed from southern New England into North Carolina. Scattered thunderstorms covered most of the rest of the area east of the Mississippi River. Afternoon thunderstorms developed from Arizona to the lower Mississippi Valley. Afternoon temperatures cooled in the West, but hot weather pushed northward through the Plains and continued across the South.

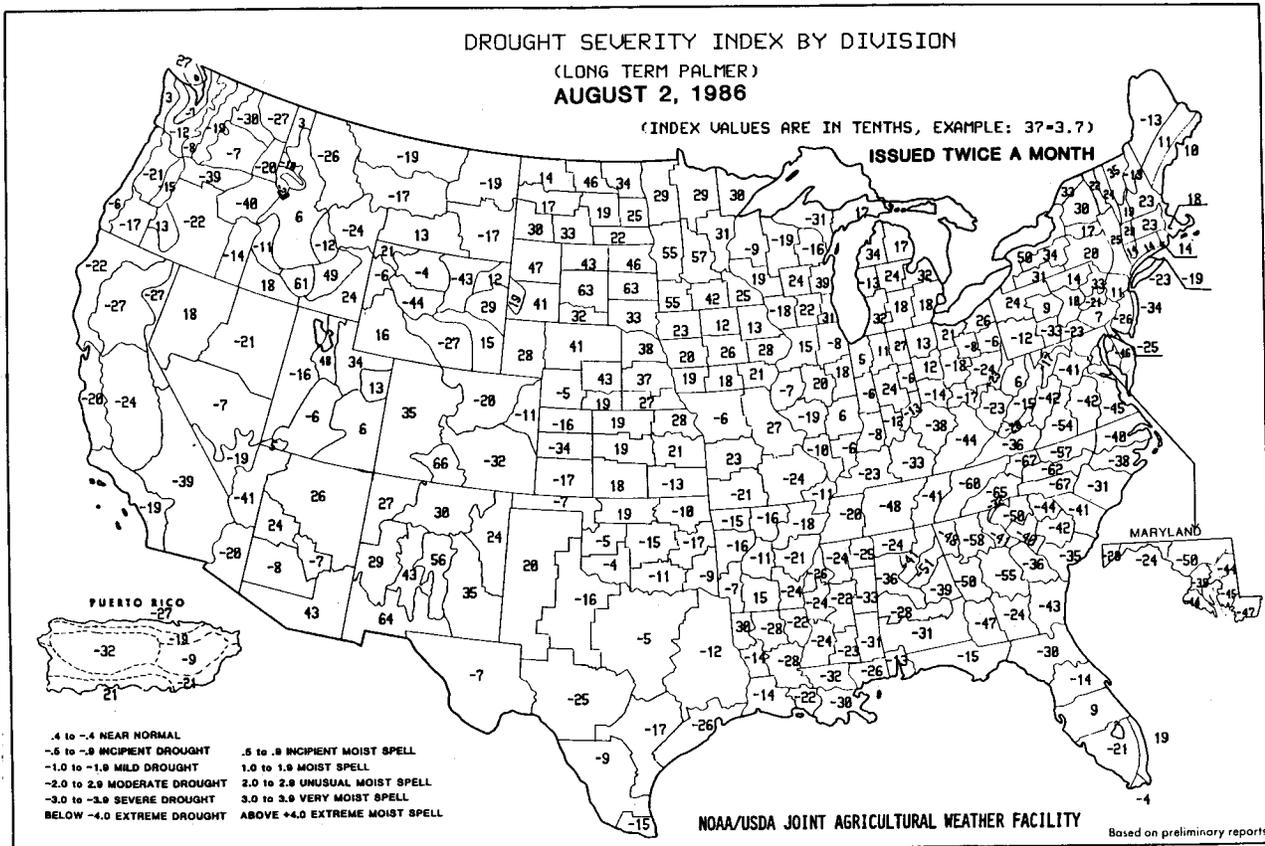
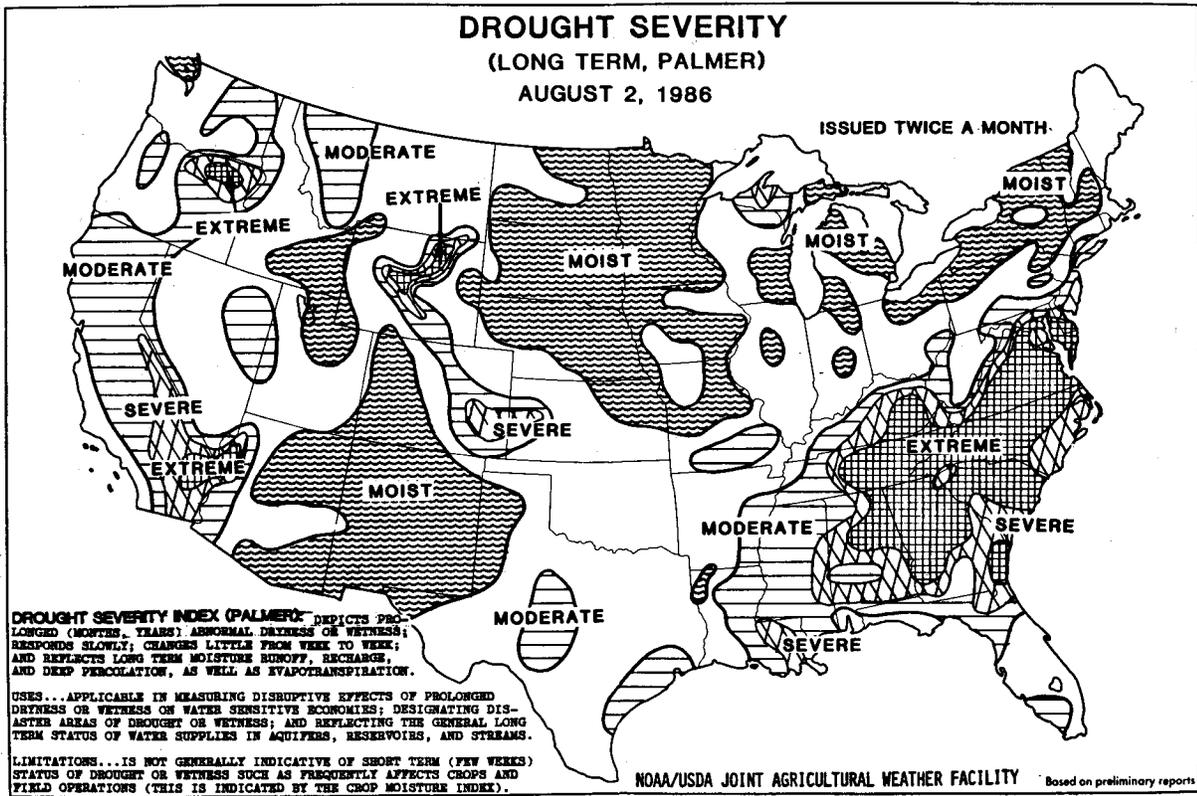
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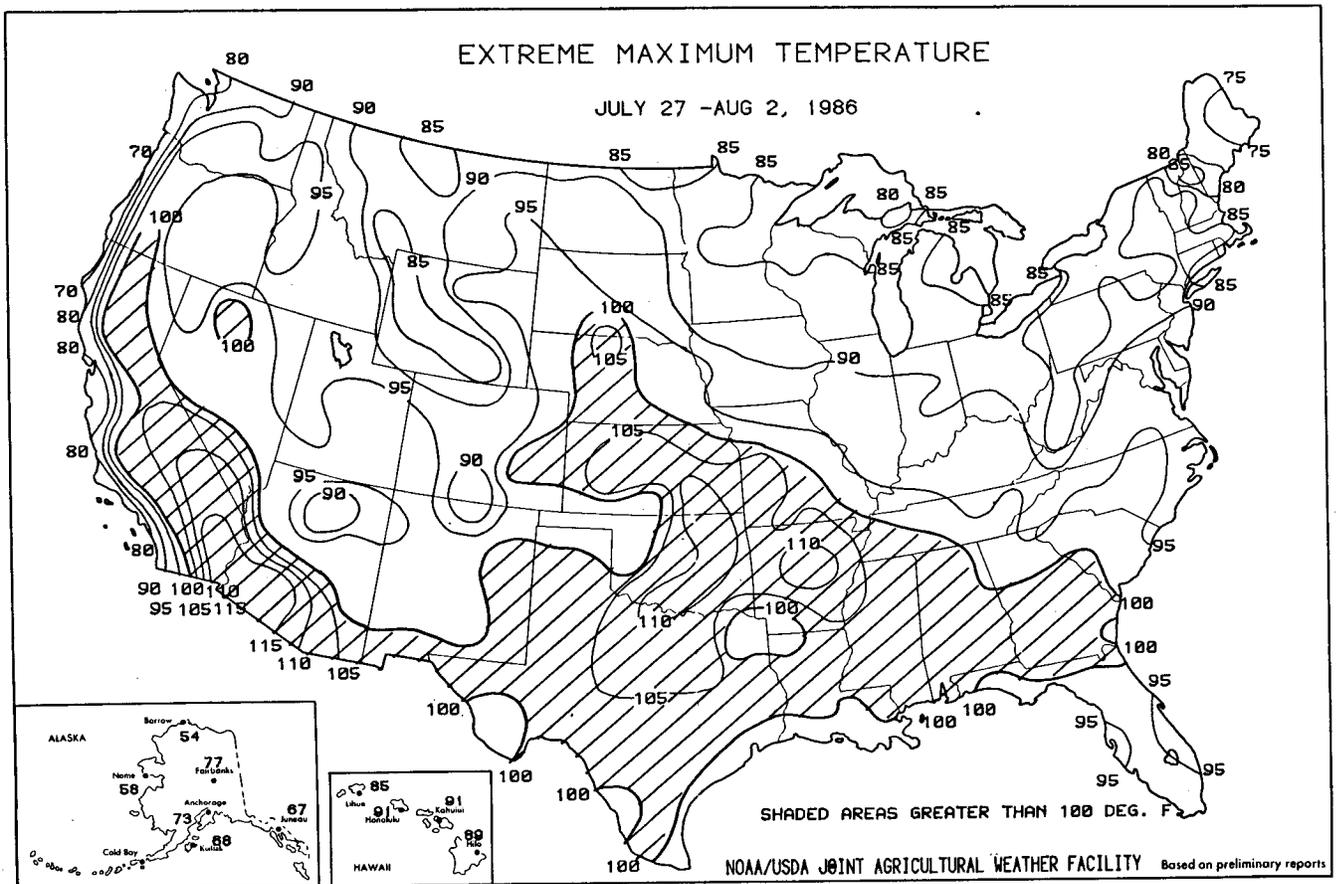
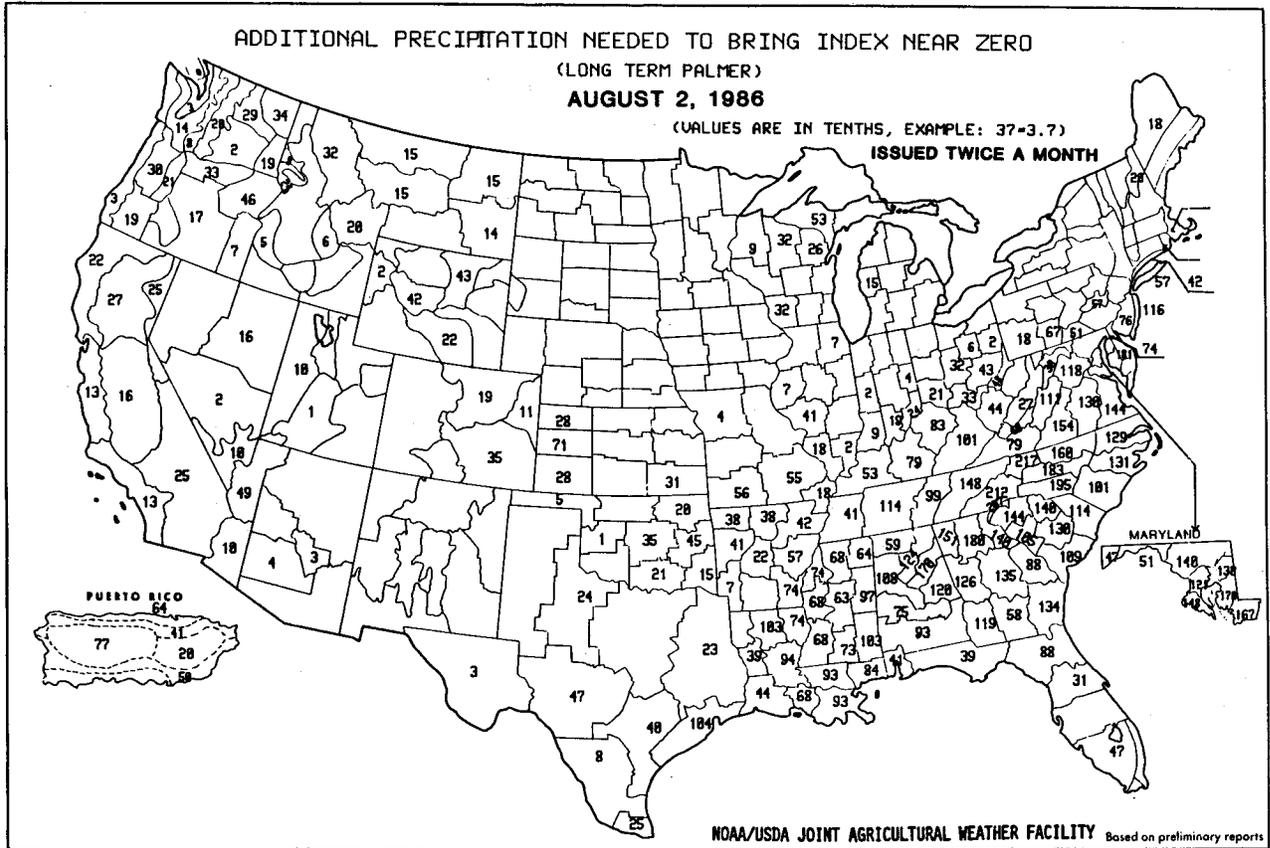
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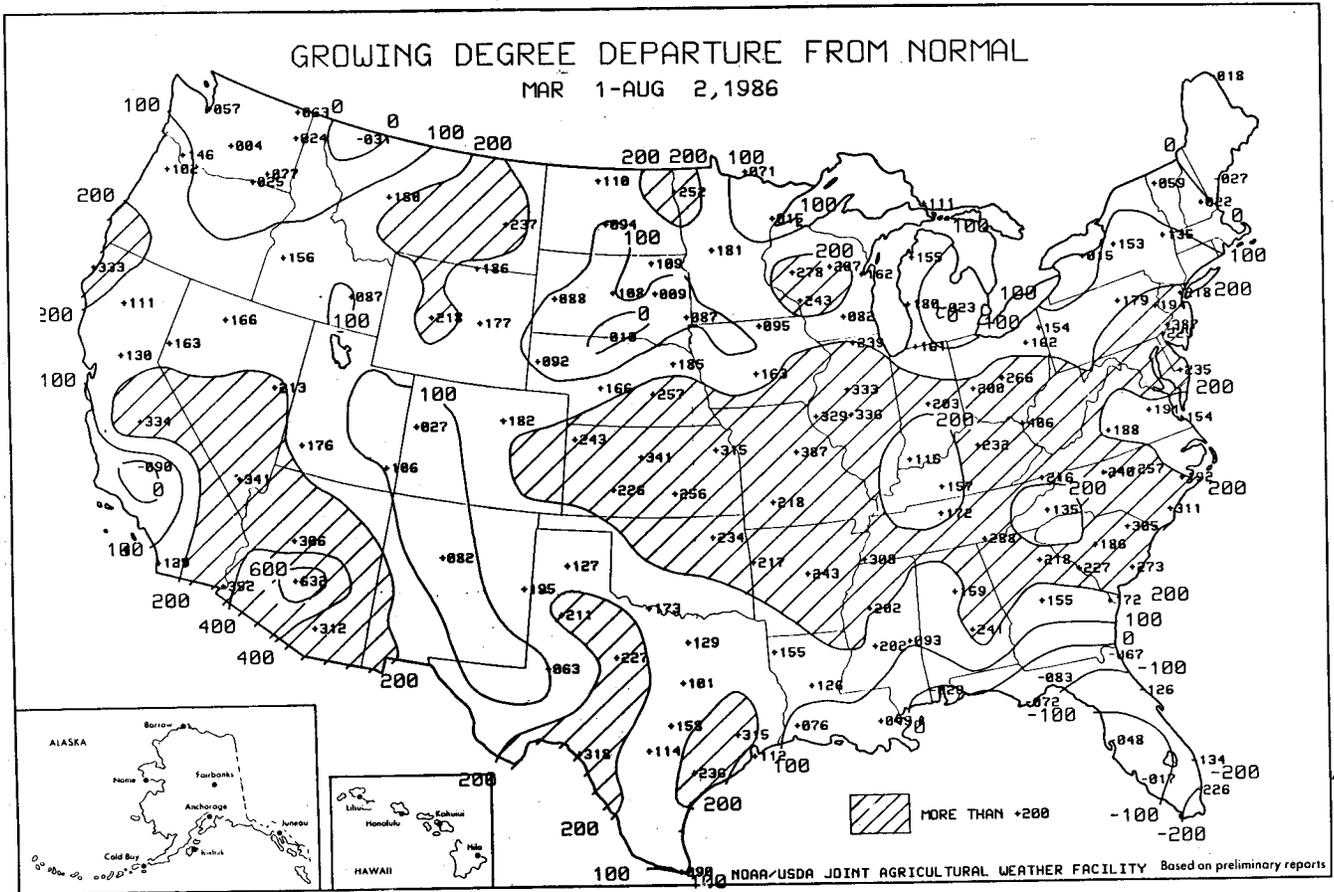
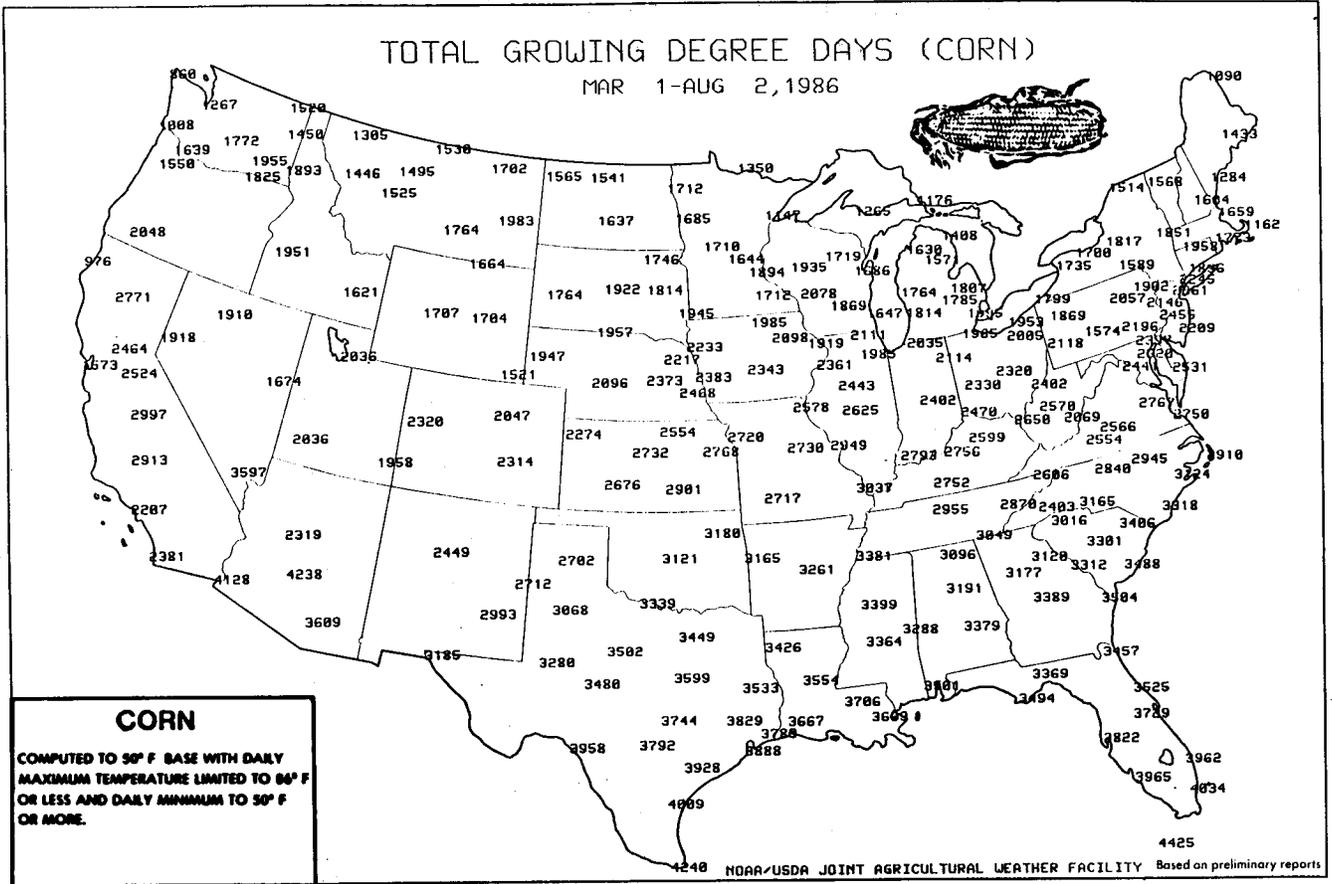












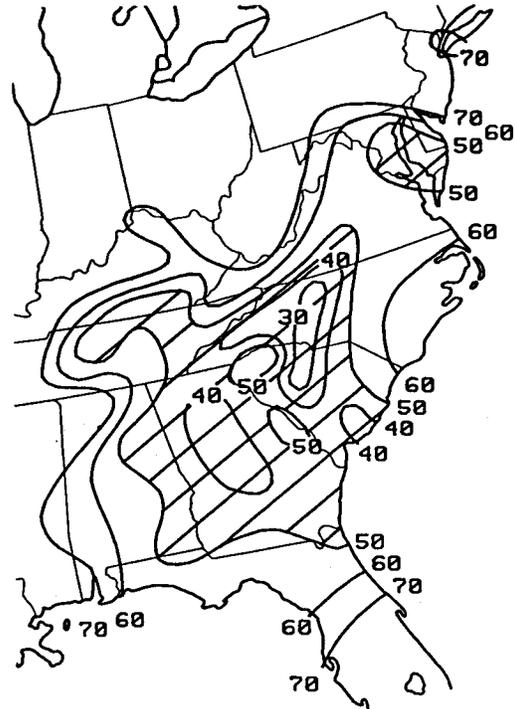
Drought in the Southeast is Probably the Worst in at least 111 Years

The drought in the southeastern United States is probably the worst in at least 111 years, according to a preliminary statistical comparison made by scientists at the Climate Analysis Center. The chart illustrates the percentage of normal precipitation for the period March 30-July 19, 1986. It shows that most of the Southeast received less than 70 percent of normal.

Twenty-two stations in this area were used to compute a precipitation index. The index compares the January through June rainfall for each year from 1876 through 1986. In some years, especially the earlier ones, incomplete data meant that fewer than 22 stations were used to compute index values. The minimum number of stations used in any year's index value was 6.

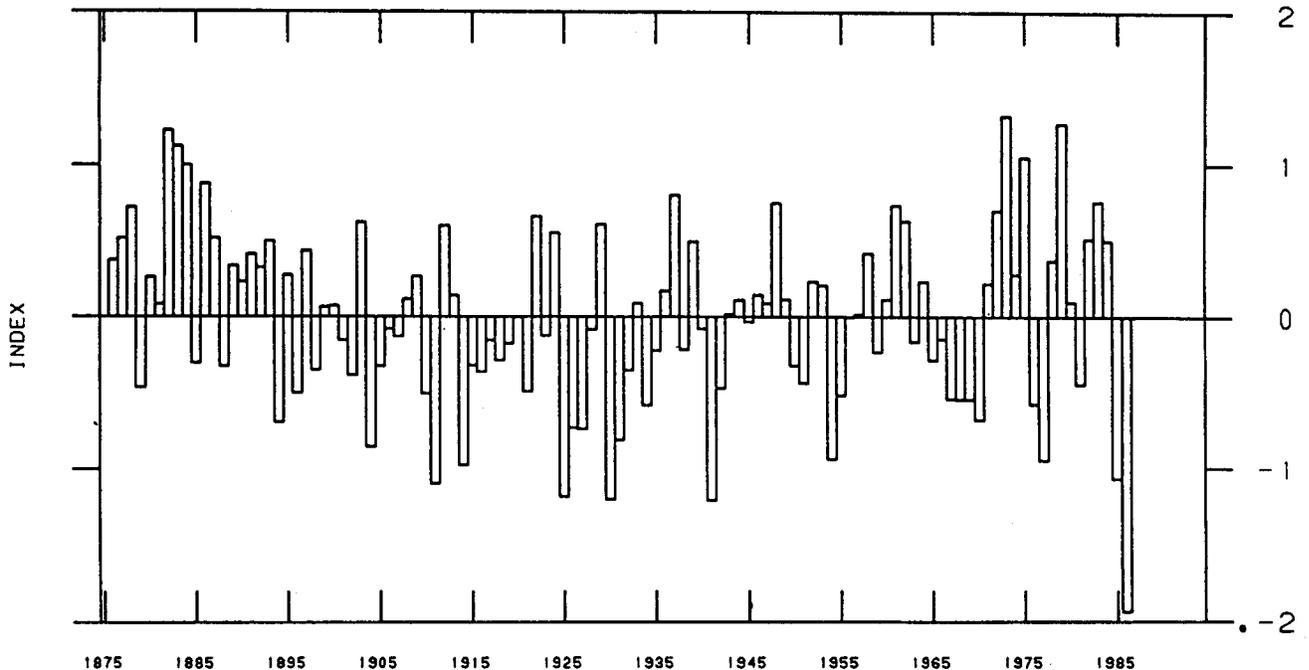
The results of the comparison are shown by the bar graph below. The index value, using an arbitrary unit of normalized precipitation for comparison, is plotted for each year in sequence. Bars that extend above the zero line indicate wetter-than-average years, whereas bars that extend below indicate relatively dry years.

The graph indicates that, subject to the data restrictions mentioned above, the January-June 1986 period was by far the driest of all such January-June periods since 1876. Note further that the January-June 1985 period was also unusually dry. Of course, there may have been even drier 6-month periods at other times of the year, but the extreme nature of the 1986 period as shown makes this unlikely. Additionally, several reports by the local news media in the affected region state that the current drought is the worst on record in their area.



PERCENT OF NORMAL PRECIPITATION
MARCH 30 - JULY 19, 1986
(SHADED AREAS LESS THAN 50 PERCENT)

Based on preliminary reports



National Weather Data for Selected Cities

Weather Data for the Week Ending August 2, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIPI-TATION		
																		.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	97	71	101	69	84	3	T	-1.1	T	3.0	32	12.4	35	90	40	7	0	0	0	
AL MOBILE	98	73	100	71	86	3	2.4	-.7	1.4	16.0	121	33.7	84	97	47	7	0	0	0	
AL MONTGOMERY	98	73	100	71	85	3	0	-.9	0	6.3	74	28.0	89	95	47	7	0	0	0	
AK ANCHORAGE	66	51	73	48	58	0	.2	-.3	.1	2.4	76	5.8	85	88	52	0	0	2	0	
AK BARROW	45	34	54	31	40	0	.5	-.3	.3	.8	63	1.3	59	97	81	0	0	4	0	
AK FAIRBANKS	68	48	77	43	58	-2	.2	-.2	.1	3.1	95	4.3	80	94	39	0	1	3	0	
AK JUNEAU	61	50	67	45	56	0	.9	-.1	.6	6.7	92	29.0	119	98	75	0	0	4	0	
AK KODIAK	59	47	68	44	53	-2	.7	-.4	.5	15.9	209	41.8	108	98	70	0	0	2	0	
AK NOME	53	46	58	43	50	-2	2.2	1.6	.8	3.9	110	5.6	84	97	82	0	0	5	0	
AZ PHOENIX	110	83	115	77	96	4	0	-.2	0	1.2	122	4.0	114	32	14	7	0	0	0	
AZ PRESCOTT	93	58	98	49	76	3	T	-.9	T	3.0	75	6.4	64	45	13	5	5	0	0	
AZ TUCSON	105	74	111	70	90	4	T	-.6	T	1.9	67	5.7	106	44	14	7	0	0	0	
AZ YUMA	110	81	116	73	95	1	0	-.1	0	.4	211	.9	75	56	17	7	0	0	0	
AR FORT SMITH	104	73	109	69	89	6	.8	-.1	.8	5.3	76	23.1	95	88	27	7	0	0	1	
AR LITTLE ROCK	102	77	110	66	89	7	1.2	-.6	1.1	7.3	117	24.3	85	75	44	6	6	2	1	
CA BAKERSFIELD	98	65	103	63	82	-3	0	0	0	T	0	4.3	110	60	20	7	0	0	0	
CA EUREKA	63	50	65	48	57	0	0	0	0	.2	34	27.4	122	93	73	0	0	0	0	
CA FRESNO	101	65	106	63	83	2	0	0	0	T	0	9.7	137	72	18	7	0	0	0	
CA LOS ANGELES	72	60	74	59	66	-4	0	0	0	.1	180	13.0	155	98	65	0	0	0	0	
CA RED BLUFF	97	64	102	57	80	-2	0	0	0	0	0	21.9	168	61	20	5	0	0	0	
CA SACRAMENTO	95	57	101	53	76	0	0	0	0	0	0	16.3	151	81	34	5	0	0	0	
CA SAN DIEGO	75	64	79	63	69	-3	0	0	0	T	0	7.6	123	89	63	0	0	0	0	
CA SAN FRANCISCO	71	52	82	49	62	-1	0	0	0	T	7	18.6	149	97	55	0	0	0	0	
CO DENVER	88	58	96	56	73	-1	T	-.4	T	2.8	77	8.0	78	61	22	4	4	0	0	
CO GRAND JUNCTION	95	59	98	57	77	-2	0	-.1	0	1.1	115	3.5	80	36	12	7	0	0	0	
CO PUEBLO	94	58	101	53	76	-1	.2	-.3	.2	4.1	131	6.1	90	70	19	5	0	0	1	
CT BRIDGEPORT	78	68	83	63	73	-2	.7	-.2	.3	8.0	121	18.3	77	99	79	0	0	4	0	
CT HARTFORD	81	67	88	62	74	0	1.1	-.3	.5	11.9	178	26.8	107	92	63	0	0	4	1	
DC WASHINGTON	91	72	95	69	81	2	2.0	1.0	1.6	6.6	88	16.0	70	85	41	5	0	2	1	
FL APALACHICOLA	93	77	99	75	85	3	1.9	.3	1.6	7.6	61	23.6	79	97	63	5	0	2	1	
FL DAYTONA BEACH	93	74	96	72	83	2	1.6	.4	1.2	17.5	144	29.1	111	97	59	6	0	2	1	
FL JACKSONVILLE	95	74	100	71	85	3	2.9	1.4	2.6	8.4	68	25.9	84	96	62	6	0	4	1	
FL KEY WEST	90	80	92	75	85	0	.8	0	.8	10.7	119	16.8	90	85	62	5	0	2	1	
FL MIAMI	91	78	95	75	85	2	1.0	-.3	.4	16.3	105	42.5	137	90	55	5	0	4	0	
FL ORLANDO	92	74	96	73	83	0	.3	-.1	.1	15.4	99	28.4	95	95	52	6	0	3	1	
FL TALLAHASSEE	96	73	102	71	85	3	1.0	-.9	.9	22.0	139	38.4	95	99	52	0	0	0	0	
FL TAMPA	90	76	95	73	83	0	2.1	-.4	.7	11.4	86	22.7	84	96	67	3	3	3	1	
FL WEST PALM BEACH	94	74	95	71	84	2	1.1	-.1	.4	20.1	141	35.4	112	96	51	7	0	5	0	
GA ATLANTA	96	72	99	67	84	5	1.6	.6	1.6	7.0	83	17.9	56	85	39	7	7	1	0	
GA AUGUSTA	98	72	101	67	85	4	.2	-.8	.2	7.9	92	18.9	66	97	41	7	0	0	0	
GA MACON	103	72	105	69	88	6	1.1	-.9	.1	2.6	31	13.8	46	92	30	7	7	1	0	
GA SAVANNAH	98	74	101	72	86	4	1.5	-.2	1.1	9.0	67	21.6	69	94	49	0	0	2	0	
HI HILO	86	70	89	68	78	2	1.2	-.1	.5	18.8	121	92.7	125	90	59	0	0	3	0	
HI HONOLULU	89	75	91	72	82	1	T	-.1	T	1.5	142	4.4	32	80	48	2	0	0	0	
HI KAHULUI	88	71	91	68	80	1	1	-.1	0	.3	35	10.3	79	81	50	2	0	0	0	
HI LIHUE	84	76	85	75	80	1	.2	-.3	.2	4.3	113	11.7	48	84	67	0	0	1	0	
ID BOISE	89	53	96	49	71	-5	T	-.1	T	.5	42	9.9	134	55	16	3	0	0	0	
ID LEWISTON	87	55	99	50	71	-4	0	-.1	0	.9	47	6.3	81	45	17	2	0	0	0	
ID POCATELLO	86	48	94	45	67	-5	T	-.1	T	.5	29	9.5	140	78	22	1	0	1	0	
IL CHICAGO	85	63	89	60	74	0	.5	-.3	.5	7.8	98	17.2	85	92	43	0	0	1	0	
IL MOLINE	87	64	93	57	76	1	.5	-.5	.3	11.9	126	24.9	106	94	46	2	0	3	0	
IL PEORIA	85	65	91	59	75	0	1.5	-.7	1.3	13.5	167	20.8	96	94	53	1	0	4	1	
IL QUINCY	85	65	91	59	75	-2	1.8	.8	1.2	11.6	135	21.6	95	95	62	1	0	3	1	
IL ROCKFORD	84	63	89	59	74	1	.9	0	.8	6.9	74	17.8	79	92	49	0	0	3	1	
IL SPRINGFIELD	86	67	91	61	76	0	1.9	1.1	1.4	11.6	156	19.0	89	94	54	2	0	3	1	
IN EVANSVILLE	89	68	92	63	78	0	.9	0	.6	9.3	120	24.1	90	96	50	4	0	3	1	
IN FORT WAYNE	84	63	86	61	73	0	.9	.1	.5	16.2	224	28.9	136	98	52	0	0	2	0	
IN INDIANAPOLIS	86	65	88	61	75	0	.6	-.3	.4	8.6	100	27.7	113	95	48	0	0	1	0	
IN SOUTH BEND	82	62	86	59	72	0	.5	-.4	.5	11.2	142	22.3	100	96	51	0	0	1	0	
IA DES MOINES	86	65	94	57	75	-1	.3	-.5	.3	11.2	147	26.1	137	89	48	0	0	1	0	
IA SIOUX CITY	86	63	94	56	75	-2	1.3	-.6	1.3	8.6	114	21.4	130	94	49	3	0	2	1	
IA WATERLOO	84	62	88	54	73	0	.2	-.8	.2	10.3	111	23.7	112	96	51	0	0	1	0	
KS CONCORDIA	91	67	102	57	79	-1	.7	0	.6	11.0	141	21.2	122	94	42	4	0	2	0	
KS DODGE CITY	99	69	109	62	84	4	0	-.7	T	6.8	109	10.9	78	80	22	5	0	1	0	
KS GOODLAND	91	61	103	56	76	0	T	-.5	T	5.2	98	11.0	98	87	30	4	0	1	0	
KS TOPEKA	91	68	100	57	80	0	.5	-.2	.5	6.9	73	20.5	100	96	51	4	0	2	0	
KS WICHITA	99	72	110	65	86	4	.2	-.2	.2	10.4	132	17.7	101	79	29	6	0	1	0	
KY BOWLING GREEN	89	67	93	62	76	0	.3	-.4	.3	3.3	37	17.6	56	96	45	4	0	1	0	
KY LEXINGTON	87	66	92	62	76	0	.2	-.9	.2	6.9	73	17.2	59	94	47	1	0	1	0	
KY LOUISVILLE	88	69	92	65	79	1	.6	-.3	.5	9.4	118	22.2	81	94	45	4	0	2	0	
LA ALEXANDRIA	98	76	101	74	87	4	T	-.1	T	9.1	102	20.5	57	70	40	7	0	0	0	
LA BATON ROUGE	96	78	99	73	87	0	.3	-.2	.3	9.7	92	28.7	82	92	52	7	0	1	0	
LA LAKE CHARLES	96	78	98	76	87	0	.0	-.1	.3	10.0	99	24.4	80	96	51	7	0	0	0	
LA NEW ORLEANS	96	77	100	73	87	5	.5	-.2	.3	12.8	108	24.1	66	96	55	7	0	1	0	

Based on 1951-80 normals.

Weather Data for the Week Ending August 2, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	98	75	100	74	86	3	0	-7	0	17.8	244	32.5	116	91	44	7	0	0	0	
ME CARIBOU	69	55	78	52	62	-3	1.8	-9	1.6	5.6	76	18.3	92	91	65	0	0	4	1	
PORTLAND	71	62	76	58	66	-3	.5	-1	.2	7.5	124	26.9	109	96	79	0	0	4	0	
MD BALTIMORE	90	69	94	65	79	2	1.7	-7	1.5	7.2	90	17.0	70	92	47	0	0	2	1	
SALISBURY	92	70	96	68	81	4	.2	-1.0	.2	2.7	33	13.8	54	97	44	0	0	0	0	
MA BOSTON	75	64	84	61	69	6	1.2	-5	.7	11.7	201	24.3	98	96	73	5	0	2	2	
CHATHAM	71	61	76	59	66	-3	6.2	5.4	3.0	13.2	222	25.4	97	93	84	0	0	2	1	
MI ALPENA	78	58	84	53	68	7	.7	0	.7	8.7	134	17.3	104	100	56	0	0	2	1	
DETROIT	86	63	91	60	75	3	.7	-7	.7	8.1	121	19.3	103	93	41	2	0	0	0	
FLINT	83	60	87	56	71	1	.1	-6	.1	7.4	118	16.0	92	95	46	0	0	1	0	
GRAND RAPIDS	82	61	85	58	72	2	.1	-6	.1	12.5	177	25.7	131	94	48	0	0	0	0	
HOUGHTON LAKE	79	60	82	53	70	0	.7	-1	.1	8.7	142	18.7	117	94	52	0	0	3	0	
LANSING	83	59	86	54	71	0	.1	-5	.1	11.7	182	20.7	119	95	45	0	0	3	0	
MARQUETTE	78	54	83	47	66	1	.6	-1	.4	5.7	78	17.0	79	96	48	0	0	0	0	
MUSKEGON	82	61	86	57	71	0	.2	-5	-1.0	5.0	97	14.4	83	90	47	0	0	3	0	
SAULT STE. MARIE	74	56	83	53	65	0	1.0	-3	1.0	11.9	184	21.7	123	99	62	0	0	0	1	
MN ALEXANDRIA	79	61	84	55	70	-1	.5	-2	.3	8.0	111	20.6	137	93	49	0	0	2	0	
DULUTH	75	53	83	48	64	-2	.6	-3	.5	12.7	156	21.8	125	97	55	0	0	4	1	
INT'L FALLS	78	54	87	49	66	0	.1	-6	.1	7.3	94	12.9	89	97	43	0	0	2	0	
MINNEAPOLIS	81	63	85	56	72	-1	1.3	-5	.8	9.5	121	22.7	138	93	51	0	0	4	1	
ROCHESTER	80	59	84	53	70	-1	2.3	1.5	1.7	11.0	135	21.6	125	98	59	0	0	2	2	
MS GREENWOOD	99	74	104	69	87	5	.6	-3	.6	4.7	58	18.8	55	89	42	6	0	2	1	
JACKSON	98	74	102	71	86	4	.2	-8	.2	8.8	116	26.2	78	95	45	6	0	1	0	
MERIDIAN	99	72	102	70	85	5	1.0	-1	.9	5.0	55	22.9	66	97	44	7	0	2	1	
MO CAPE GIRARDEAU	92	72	96	68	82	4	.3	-5	.3	4.8	65	26.0	94	91	51	5	0	1	0	
COLUMBIA	91	68	97	61	79	0	.4	-3	.4	5.4	72	18.7	83	94	48	4	0	3	0	
KANSAS CITY	90	67	97	57	79	1	.2	-7	.1	11.0	119	20.2	94	97	48	4	0	3	0	
SAINT LOUIS	92	70	95	66	81	0	.1	-6	.1	7.0	93	16.7	77	88	45	5	0	2	0	
SPRINGFIELD	99	71	108	64	85	6	1.7	1.0	1.3	6.2	73	17.2	72	93	32	6	0	2	0	
MT BILLINGS	85	56	91	52	71	-3	T	-1	T	3.2	106	10.9	109	64	17	1	0	1	0	
GLASGOW	84	53	91	50	69	-4	T	-3	T	3.2	75	7.2	89	68	19	1	0	0	0	
GREAT FALLS	81	51	88	43	66	-4	T	-2	T	3.5	90	9.6	91	58	16	0	0	1	0	
HAVRE	81	48	85	43	64	-7	T	-2	T	2.3	67	8.4	111	72	20	0	0	0	0	
HELENA	83	49	89	43	66	-3	T	-2	T	2.9	94	6.8	89	60	15	0	0	0	0	
KALISPELL	79	44	89	37	62	-4	.1	-2	.1	3.5	107	11.2	117	87	23	0	0	1	0	
MILES CITY	88	58	95	49	73	-3	T	-3	T	3.7	85	9.4	96	66	19	2	0	0	0	
MISSOULA	84	44	93	40	64	-4	0	-1	0	3.5	128	9.3	111	82	19	2	0	0	0	
NE GRAND ISLAND	87	64	98	56	75	-2	.6	0	.4	7.2	109	15.2	96	95	44	3	0	3	0	
LINCOLN	88	65	98	56	77	-1	.2	-5	.2	8.9	122	20.6	118	92	45	4	0	3	0	
NORFOLK	85	63	95	57	74	-1	.9	-3	.4	9.5	122	21.1	128	94	48	3	0	4	0	
NORTH PLATTE	89	59	101	52	74	-1	.1	-4	.1	4.3	63	12.7	90	93	32	4	0	4	0	
OMAHA	85	65	97	56	75	-1	T	-8	T	5.9	74	20.7	111	93	56	2	0	2	0	
SCOTT'S BLUFF	87	57	96	53	72	-3	T	-3	T	9.6	193	16.4	152	84	29	2	0	0	0	
VALENTINE	89	57	105	51	73	-2	.6	0	.4	2.9	53	11.1	93	84	30	3	0	2	0	
NV ELY	90	42	94	39	66	-1	0	-1	0	1	7	4.4	76	42	10	4	0	0	0	
LAS VEGAS	106	73	110	67	90	0	0	-1	0	1	22	1.2	50	15	6	7	0	0	0	
RENO	91	51	96	46	71	0	0	0	0	1.2	177	8.3	173	76	15	4	0	0	0	
WINNEMUCA	93	53	100	43	73	1	T	0	T	.1	13	3.5	70	45	15	5	0	0	0	
NH CONCORD	75	62	83	59	68	-2	1.9	1.2	1.3	10.2	169	24.2	120	98	72	0	0	5	1	
NJ ATLANTIC CITY	85	67	91	62	76	0	.7	-4	.4	7.4	103	21.6	89	99	62	1	0	4	0	
NM ALBUQUERQUE	95	62	97	56	78	0	T	-3	T	4.2	219	7.0	171	51	13	7	0	1	0	
CLOVIS	99	69	101	67	84	6	.4	-2	.4	5.1	92	9.3	91	48	15	7	0	1	0	
ROSWELL	99	66	101	64	83	2	T	-4	T	6.1	254	8.9	207	54	15	7	0	0	0	
NY ALBANY	81	64	89	61	72	1	4.7	4.0	2.2	13.2	203	27.7	136	100	67	0	0	6	3	
BINGHAMTON	76	61	82	56	68	-1	2.9	2.1	1.5	13.1	180	28.4	133	99	71	0	0	5	2	
BUFFALO	79	65	85	62	72	1	.9	.1	.6	7.4	126	22.1	109	98	60	0	0	3	1	
NEW YORK	80	69	86	64	75	-3	2.2	1.3	1.3	6.6	93	20.9	85	97	71	0	0	6	1	
ROCHESTER	77	62	84	59	70	-2	1.3	.7	.5	7.8	142	19.2	108	100	66	0	0	4	1	
SYRACUSE	78	64	85	57	71	0	3.0	2.2	2.5	10.4	136	23.9	106	98	68	0	0	5	1	
NC ASHEVILLE	89	61	91	53	75	1	T	-1.0	T	1.8	20	11.6	40	95	38	2	0	2	0	
CHARLOTTE	94	73	97	70	83	4	.3	-6	.3	2.7	35	10.5	39	85	36	7	0	1	0	
GREENSBORO	91	67	93	61	79	1	.7	-3	.7	4.3	51	10.3	40	92	43	5	0	1	1	
HATTERAS	87	73	89	69	80	0	.6	-7	.4	6.6	67	20.1	67	98	65	0	0	5	0	
NEW BERN	91	73	93	70	82	2	.6	-9	.6	8.7	71	22.2	71	97	54	5	0	2	1	
RALEIGH	92	68	97	62	80	2	1.5	.4	1.3	7.4	88	18.0	70	94	45	6	0	4	2	
WILMINGTON	91	73	92	71	82	1	3.0	1.4	2.0	18.7	138	34.9	109	97	58	6	0	4	2	
ND BISMARCK	80	55	92	48	68	-4	.5	.1	.3	8.2	158	15.7	148	92	39	1	0	3	0	
FARGO	79	58	87	53	69	-3	.6	-1	.3	8.8	134	16.3	130	98	49	0	0	3	0	
GRAND FORKS	80	57	90	51	69	-1	.4	-2	.2	4.7	79	9.8	87	94	44	1	0	4	0	
WILLISTON	81	51	90	46	66	-5	.1	-2	.1	7.9	172	15.6	166	91	33	1	0	1	0	
OH AKRON-CANTON	81	61	84	56	71	-1	.1	-8	0	6.8	90	17.3	77	98	50	0	0	3	0	
CINCINNATI	89	64	91	60	76	0	T	-8	T	4.8	56	16.9	66	94	40	2	0	2	0	
CLEVELAND	82	63	87	57	73	0	.2	-6	.1	6.2	87	22.1	103	92	49	0	0	2	0	
COLUMBUS	85	63	89	59	74	1	T	-9	T	9.1	110	20.0	85	93	42	0	0	2	0	

Based on 1951-80 normals.

Weather Data for the Week Ending August 2, 1986

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 JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE			
																90 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	84	64	87	61	74	-1	T	-7	T	11.3	153	25.6	115	92	48	0	0	0	0
TOLEDO	84	60	85	56	72	0	1.1	-6	T	8.8	126	19.8	103	97	47	0	0	2	0
YOUNGSTOWN	80	60	84	58	70	0	1.8	-9	T	24.4	29.2	128	99	54	0	0	3	1	
OK OKLAHOMA CITY	103	76	109	71	90	7	2.2	-4	T	3.5	49	18.5	93	69	23	7	0	0	0
TULSA	103	78	110	69	90	6	2.2	-5	T	5.6	67	21.2	89	75	28	7	0	2	0
OR ASTORIA	68	52	73	48	60	-1	T	-2	T	2.6	75	35.6	95	96	61	0	0	0	0
BURNS	86	51	95	42	69	-2	T	-1	T	.7	55	7.5	197	1	1	2	2	0	0
MEDFORD	93	55	102	51	74	1	T	-1	T	.5	48	10.2	96	72	19	5	0	0	0
PENDLETON	85	54	94	49	70	-5	T	-1	T	.5	51	7.5	107	51	18	2	0	0	0
PORTLAND	83	56	96	52	69	1	T	-1	T	1.5	74	18.1	90	89	37	2	0	0	0
SALEM	85	53	98	44	69	2	T	-1	T	1.7	108	22.5	103	85	30	2	0	0	0
PA ALLENTOWN	83	67	88	64	75	3	1.8	.8	T	8.6	109	25.4	99	92	60	0	0	5	1
ERIE	80	66	85	64	73	0	T	-8	T	10.2	142	25.4	118	90	61	0	0	1	2
HARRISBURG	84	68	89	66	76	0	1.5	.8	T	7.3	102	23.6	102	97	56	0	0	2	0
PHILADELPHIA	88	69	93	65	79	2	1.4	-5	T	6.4	80	20.4	83	94	51	3	0	1	1
PITTSBURGH	81	62	84	58	71	-1	1.2	.4	T	10.9	148	21.8	95	89	45	0	0	2	0
SCRANTON	80	64	84	61	72	0	2.2	1.4	T	14.4	205	29.0	144	97	62	0	0	5	1
RI PROVIDENCE	76	65	85	62	70	-3	1.7	.9	T	9.2	152	25.4	100	98	76	0	0	3	1
SC CHARLESTON	94	75	97	70	84	3	1.4	-2	T	9.0	63	19.5	60	98	56	7	1	1	0
COLUMBIA	99	71	102	64	85	4	1.1	-1	T	2.1	21	9.3	30	93	33	0	0	1	0
FLORENCE	96	72	97	70	84	3	T	-1	T	6.5	61	14.4	51	96	45	7	1	1	0
GREENVILLE	95	68	97	66	82	3	1.6	-3	T	2.9	32	15.5	48	93	38	7	0	2	0
SD ABERDEEN	83	57	92	52	70	-3	1.4	-1	T	7.0	121	19.3	156	95	37	1	1	2	0
HURON	84	60	90	52	72	-3	1.4	-1	T	9.5	167	20.2	158	96	44	1	0	4	0
RAPID CITY	86	56	98	49	71	-3	1.4	-1	T	5.4	99	14.0	116	78	24	2	0	0	0
SIOUX FALLS	83	59	88	51	71	-4	1.4	-2	T	6.9	104	16.7	110	95	52	0	0	2	0
TN CHATTANOOGA	95	70	99	64	83	4	1.2	-7	T	4.3	53	14.8	45	96	38	7	0	2	0
KNOXVILLE	93	68	98	61	81	3	1.2	-7	T	2.6	31	13.9	46	94	35	6	0	2	0
MEMPHIS	98	75	104	68	87	5	1.7	-2	T	5.5	70	18.9	57	87	42	6	0	3	0
NASHVILLE	94	71	98	68	83	3	T	-8	T	3.1	41	13.1	42	88	37	6	0	0	0
TX ABILENE	102	76	105	72	89	4	1.4	-1	T	8.4	176	15.4	115	56	20	7	0	1	0
AMARILLO	98	68	102	60	83	4	1.2	.6	T	8.4	131	13.5	111	61	21	7	1	1	0
AUSTIN	102	75	103	74	89	4	1.0	-4	T	2.7	52	13.5	75	90	25	7	0	0	0
BEAUMONT	98	75	99	75	87	3	0	-1	T	13.5	139	30.9	107	97	43	7	0	0	0
BROWNSVILLE	96	77	98	75	87	2	0	-4	T	4.1	95	9.2	81	93	45	7	0	0	0
CORPUS CHRISTI	97	74	98	72	86	1	0	-4	T	3.1	57	11.8	81	97	45	7	0	0	0
DEL RIO	100	77	102	76	89	3	0	-4	T	4.3	122	11.9	127	66	22	7	0	0	0
EL PASO	101	68	102	66	84	2	T	-3	T	5.9	261	7.5	197	55	17	7	0	1	0
FORT WORTH	103	77	106	75	90	3	T	-4	T	4.3	93	18.7	101	68	27	7	0	1	0
GALVESTON	91	79	93	77	85	5	0	-8	T	4.9	66	12.9	62	88	54	7	0	0	0
HOUSTON	100	77	101	75	88	1	0	-7	T	7.0	92	18.8	73	92	34	7	0	0	0
LUBBOCK	101	71	103	67	86	7	T	-5	T	6.3	120	10.2	94	54	20	7	0	1	0
MIDLAND	101	69	102	65	85	3	T	-3	T	4.8	146	9.0	117	66	20	7	0	1	0
SAN ANGELO	103	71	105	68	87	2	0	-3	T	4.0	125	12.8	132	68	19	7	0	0	0
SAN ANTONIO	101	76	102	75	88	3	0	-4	T	12.0	236	22.5	139	90	26	7	0	0	0
VICTORIA	99	77	100	75	88	3	0	-5	T	8.3	114	18.2	92	96	35	7	0	0	0
WACO	105	77	108	76	91	4	0	-4	T	4.3	97	19.0	102	77	24	7	0	0	0
WICHITA FALLS	106	75	110	69	91	5	T	-4	T	8.4	168	17.4	108	60	20	7	0	0	0
UT BLANDING	91	56	97	49	74	0	0	-3	T	2.8	187	7.3	124	46	17	4	5	0	0
CEDAR CITY	92	53	95	48	72	-2	T	-3	T	.7	40	4.7	80	35	9	3	0	0	0
SALT LAKE CITY	89	59	94	53	74	-4	0	-2	T	1.3	74	13.7	140	68	19	3	0	4	0
VT BURLINGTON	79	64	86	63	72	2	.8	0	T	9.6	131	23.2	123	96	65	0	0	4	0
VA NORFOLK	90	73	95	71	82	3	T	-1.3	T	4.1	46	14.7	56	93	50	4	0	1	0
RICHMOND	91	70	94	67	80	2	.8	-4	T	9.1	100	19.9	78	93	41	5	0	0	1
ROANOKE	90	64	92	58	77	1	T	-8	T	3.5	50	14.5	62	89	38	5	0	0	0
WA COLVILLE	83	50	95	46	66	-3	0	-2	T	2.7	117	14.7	148	73	32	2	0	0	0
QUILLAYUTE	70	50	79	41	60	0	1.1	-5	T	5.2	95	64.5	116	98	55	0	0	1	0
SEATTLE-TACOMA	77	55	88	51	66	0	0	-2	T	1.8	82	20.5	103	78	36	0	0	0	0
SPOKANE	82	50	94	47	66	-5	0	-1	T	.9	50	10.0	103	58	19	1	1	0	0
YAKIMA	86	49	97	45	67	-4	0	-1	T	4.3	5.2	113	76	21	2	0	0	0	0
WV BECKLEY	80	60	83	54	70	0	0	-9	T	8.3	98	21.4	80	100	56	0	0	0	0
CHARLESTON	86	64	89	57	75	0	0	-1	T	9.4	104	23.9	76	97	44	1	0	0	0
HUNTINGTON	87	65	90	59	76	0	0	-1	T	8.8	106	19.8	76	97	48	0	0	1	0
PARKERSBURG	85	62	87	58	73	-1	1.1	-9	T	9.5	102	20.2	73	99	48	0	0	4	0
WI GREEN BAY	81	60	85	56	71	1	1.0	.3	T	9.4	142	16.7	101	96	51	0	0	3	2
LA CROSSE	83	63	86	57	73	-1	1.5	.7	T	8.9	108	16.9	90	97	52	0	0	2	1
MADISON	81	61	85	57	71	0	1.6	-3	T	7.5	95	17.0	91	97	54	0	0	4	0
MILWAUKEE	80	64	85	61	72	1	0	-1	T	10.7	146	21.8	115	91	48	1	0	4	1
WAUSAU	79	60	86	55	70	0	1.9	0	T	7.9	97	15.0	81	94	48	0	0	2	0
WY CASPER	86	51	91	49	68	-4	1.3	-1	T	5.2	223	10.2	128	69	19	1	0	2	0
CHEYENNE	83	53	91	50	68	-1	T	-4	T	3.5	87	7.8	83	65	21	1	0	0	0
LANDER	84	52	92	50	68	-4	T	-1	T	1.2	53	6.9	73	66	20	0	0	0	0
SHERIDAN	86	53	97	50	69	-2	T	-1	T	3.8	122	9.4	93	75	19	2	0	0	0
PR SAN JUAN	87	75	91	73	81	-1	1.1	-1	T	2.7	28	29.4	111	92	63	1	0	2	0

Based on 1951-80 normals.

Heating Degree Days (Base 65° F.)

July 1986

ALA. Birmingham	0	MAINE, Caribou	105	OKLA. Okla. City	0
Mobile	0	Portland	47	Tulsa	0
Montgomery	0	MD. Baltimore	0	OREG. Astoria	188
ALASKA, Anchorage	208	MASS. Boston	21	Burns	124
Barrow	703	Chatham	23	Medford	11
Fairbanks	111	MICH. Alpena	43	Pendleton	33
Nome	380	Detroit	1	Portland	37
ARIZ. Flagstaff	58	Flint	13	Salem	64
Phoenix	0	Grand Rapids	11	PA. Allentown	0
Tucson	0	Houghton Lake	23	Erie	5
Winslow	0	Lansing	11	Harrisburg	0
Yuma	0	Marquette	71	Philadelphia	0
ARK. Fort Smith	0	S. Ste. Marie	60	Pittsburgh	1
Little Rock	0	MINN. Duluth	76	Scranton	16
CALIF. Bakersfield	0	Internatl Falls	34	R.I. Providence	14
Eureka	227	Minneapolis	0	S.C. Charleston	0
Fresno	0	Rochester	5	Columbia	0
Los Angeles	0	St. Cloud	0	Greenville	0
Red Bluff	0	MISS. Jackson	0	S. DAK. Aberdeen	0
Stockton	0	Meridian	0	Huron	0
San Diego	0	MO. Columbia	0	Rapid City	5
San Francisco	77	Kansas City	0	Sioux Falls	0
COLO. Denver	0	St. Louis	0	TENN. Chattanooga	0
Grand Junction	0	Springfield	0	Knoxville	0
Pueblo	0	MONT. Billings	8	Memphis	0
CONN. Bridgeport	3	Glasgow	15	Nashville	0
Hartford	14	Great Falls	50	TEX. Abilene	0
D.C. Washington	0	Havre	30	Amarillo	0
FLA. Apalachicola	0	Helena	66	Austin	0
Ft. Myers	0	Kalispell	152	Beaumont	0
Jacksonville	0	Miles City	2	Brownsville	0
Key West	0	Missoula	152	Corpus Christi	0
Miami	0	NEBR. Grand Island	0	Del Rio	0
Orlando	0	Lincoln	0	El Paso	0
W. Palm Beach	0	Norfolk	0	Fort Worth	0
Tallahassee	0	North Platte	0	Galveston	0
Tampa	0	Omaha	0	Houston	0
GA. Atlanta	0	Valentine	0	Lubbock	0
Augusta	0	NEV. Ely	25	Midland	0
Macon	0	Las Vegas	0	San Angelo	0
Savannah	0	Reno	5	San Antonio	0
IDAHO, Boise	35	Winnemucca	12	Victoria	0
Lewiston	27	N.H. Concord	41	Waco	0
Pocatello	28	N.J. Atlantic City	0	Wichita Falls	0
ILL. Cairo	0	N. MEX. Albuquerque	0	UTAH, Milford	0
Chicago	3	N.Y. Albany	17	Salt Lake City	6
Moline	0	Binghamton	29	VT. Burlington	40
Peoria	0	Buffalo	4	VA. Lynchburg	0
Rockford	2	New York	0	Norfolk	0
Springfield	0	Rochester	16	Richmond	0
IND. Evansville	0	Syracuse	12	Roanoke	0
Fort Wayne	0	N.C. Asheville	0	WASH. Colville	67
Indianapolis	0	Charlotte	0	Quillayute	248
South Bend	3	Greensboro	0	Seattle-Tacoma	0
IOWA, Des Moines	0	Hatteras	0	Spokane	0
Dubuque	3	Raleigh	0	Walla Walla	17
Souix City	0	Wilmington	0	Yakima	58
KANS. Concordia	0	N. DAK. Bismarck	5	W. VA. Beckley	2
Dodge City	0	Fargo	0	Charleston	0
Goodland	0	Williston	14	Huntington	0
Topeka	0	OHIO. Akron-Canton	2	WIS. Green Bay	12
Wichita	0	Cincinnati	0	Madison	7
KY. Lexington	0	Cleveland	3	Milwaukee	13
Louisville	0	Columbus	0	WYO. Casper	4
LA. Baton Rouge	0	Dayton	0	Cheyenne	4
Lake Charles	0	Toledo	2	Lander	10
New Orleans	0	Youngstown	9	Sheridan	15
Shreveport	0				

*Based on 1951-80 normals.

National Agricultural Summary

July 28 - August 3, 1986

HIGHLIGHTS: Extreme heat stifled crop growth in the Delta, the lower Appalachian States, the central Great Plains, and the Southeast. Adequate moisture continued pushing crop development ahead of normal in the Corn Belt and northern Plains. Farmers were able to work 5 to 6 days in most areas of the Nation. Soil moisture remained critically short in the Southeast despite rain. The lack of moisture continued in the Delta States and began spreading across the Corn Belt and central Plains.

Ninety-one percent (%) of the winter wheat was combined, compared with the 89% 5-year average. Spring wheat was 7% harvested, 7 percentage points below 1985 and 6 points below normal. Rain slowed harvest in Minnesota and South Dakota. Corn was mostly good to excellent in the Corn Belt and central and northern Plains even with low moisture in some areas. Silking was 92% finished, 8 points ahead of normal. Thirty-three percent of the acreage had ears in the dough stage, 13 points ahead of normal. Soybean condition declined in the Delta as moisture declined. Condition was mostly good in the Corn Belt and central and northern Plains. Pod setting was 44% finished compared with 33% normally. Seventy-eight percent of the acreage was blooming, 8 points ahead of schedule. Sorghum was 62% headed, 17 points above the average. Heat and dryness lowered cotton condition in the Delta and in the Southeast. Cotton was mostly good in the Western States. Sixty-seven percent of the acreage was setting bolls, 7 points behind normal. Rice was 66% headed and 7% harvested. Livestock was under stress from the central Plains to the Southeast as a result of extreme high temperatures.

SMALL GRAINS: Wheat harvest advanced 4 points to 91% completion. This equaled 1985 but exceeded the average by 2 points. Harvest was mostly concentrated in the Pacific Northwest, but a few fields remained to be harvested in California, Colorado, Michigan, and South Dakota. In Oregon, harvest jumped 40 points from the previous week ending the week 58% finished. Normally, a third of Oregon's acreage would have been harvested by this time. Harvest was 35% complete in Montana, up 25 points from the previous week and 10 points ahead of normal. Idaho's wheat harvest was 30% finished, more than double the previous week and the average.

Spring wheat was 7% harvested compared with 14% in 1985 and 13% average. In South Dakota, harvest lagged 17 points behind normal at 43% completion. Heavy dew, rain, and high humidity slowed harvest. Harvest was 5% finished in Minnesota compared with 9% normally. Cool weather and rain slowed maturity.

CORN: Corn was mostly good to excellent in the central and northern Plains and in the Corn Belt. Ideal weather continued pushing development ahead of normal. Moisture in the Southeast did very little to improve the mostly poor condition. In the 17 major producing States, 92% of the acreage was silking, 8 points ahead of the 80% average. Last year 89% of the acreage was silking. A third of the acreage reached the dough stage, 13 points ahead of normal. Harvest continued spreading across the Southeast and was ahead of normal in most States.

SOYBEANS: Inadequate moisture caused soybean condition to decline in the Delta. Crop condition was mostly fair to poor. Soybeans in the Corn Belt and central and northern Plains were mostly

good. In the 19 major producing States, 78% of the acres had blooms and 44% was setting pods. Normally, 70% would be blooming and 33% would be setting pods.

SORGHUM: Sorghum was mostly good, despite the dryness in the Delta. However, sorghum was mostly fair in some Delta States. Heading was 62% finished compared with 48% last year and 45% normally. Heading was ahead of normal in virtually all major producing States. In Texas, sorghum was burning from very hot temperatures. Harvest neared completion in south Texas and along the Upper Coast but was just beginning in Cross Timbers.

COTTON: Cotton was mostly good in the Western States. Dryness slowed growth in the Delta. Cotton was fair to good in the Delta. Crop condition worsened as soil moisture declined. In the Southeast, cotton remained about the same and in mostly poor condition. Cotton was under stress throughout the Delta and in the Southeast. In the 14 major producing States, nearly all the acreage had squares. Sixty-seven percent of the acreage was setting bolls, 7 points behind 1985 but 1 point ahead of normal. In New Mexico, slightly more than half the acreage was setting bolls compared with 92% normally. Boll setting was 9 points behind normal in Texas. Four percent of Texas cotton was harvested, and 8% had bolls open. Hot temperatures caused wilt. Cotton bolls were open in western Arizona.

OTHER CROPS: Rice was 66% headed, 25 points ahead of normal. Harvest was 7% finished, just slightly ahead of normal. Harvest was underway in all States except California and Mississippi. Louisiana's harvest was 6 points greater than the average. In Texas, harvest was 7 points below normal. Rice was mostly good in the major producing States.

Peanuts were fair to good in North Carolina and fair in Georgia. Pegging was 89 and 93% finished in Georgia and Alabama, respectively. In Virginia, peanuts were good to excellent and progressed normally.

Tobacco markets were open in Florida and harvest was just about finished. Harvest was 51% finished in Georgia and 20% finished in North Carolina, lagging behind normal in both States. Flue-cured harvest was just beginning in Virginia. Topping was the major activity in the burley States.

FRUIT AND NUTS: Apple harvest gained momentum along the east coast. Peach harvest slowed in the Southeast. Seasonal peach harvest continued in California, Arizona, and in the northern producing States. Valencia orange harvest was active in California. Florida citrus growers irrigated to combat dryness. New growth was prevalent in all areas, and fruit size was good.

VEGETABLES: In Florida, fall vegetable land preparation continued. Tomato transplanting was underway in the Palmetto Ruskin area. In Texas, land preparation continued and tomatoes were transplanted. Bell peppers were up to stand in the Rio Grande Valley. Artichokes, broccoli, carrots, cauliflower, celery, sweet corn, and cucumbers were harvested in California. Field preparation for fall lettuce was underway in the Palo Verde Valley and at Westside.

(Continued to back cover)

CROP PROGRESS

FOR WEEK ENDING AUGUST 3, 1986

RICE % HEADED			RICE % HARVESTED			COTTON % SETTING BOLLS			COTTON % SQUARING		
	1986	1985	AVG.		1986	1985	AVG.		1986	1985	AVG.
ARK	61	34	23	ARK	1	0	0	ALA	94	97	86
CALIF	6	10	7	CALIF	0	0	0	ARIZ	96	95	97
LA	92	79	72	LA	20	15	14	ARK	99	97	94
MISS	93	76	42	MISS	0	0	0	CALIF	90	85	70
TEX	100	67	93	TEX	18	7	25	GA	81	94	88
								LA	97	98	88
								MISS	98	99	77
5 STATES	66	46	41	5 STATES	7	4	6	MO	90	99	84
								N MEX	55	95	92
THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.				THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.				N C	78	87	78
								OKLA	40	65	25
								S C	87	96	96
								TENN	85	85	75
								TEX	43	55	52

SOYBEANS % BLOOM			SOYBEANS % SETTING PODS			SPRING WHEAT % HARVESTED					
	1986	1985	AVG.		1986	1985	AVG.		1986	1985	AVG.
ALA	58	61	58	ALA	28	36	29	IDAHO	5	2	5
ARK	45	44	39	ARK	25	13	16	MINN	5	11	9
GA	45	71	53	GA	13	37	21	MONT	3	15	10
ILL	95	91	85	ILL	65	61	50	N DAK	3	5	5
IND	90	90	80	IND	35	35	25	S DAK	26	43	43
IOWA	90	94	85	IOWA	62	66	53				
KANS	80	55	45	KANS	35	25	15	5 STATES	7	14	13
KY	64	52	48	KY	26	16	14	THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.			
LA	76	72	63	LA	50	40	36				
MICH	70	70	75	MICH	20	15	20				
MINN	93	90	88	MINN	40	38	31				
MISS	51	77	63	MISS	22	37	22				
MO	79	73	57	MO	52	46	27				
NEBR	98	96	80	NEBR	60	50	35				
N C	35	35	37	N C	10	15	13				
OHIO	95	100	80	OHIO	54	56	39				
S C	35	50	41	S C	15	16	11				
S DAK	69	76	80	S DAK	47	31	29				
TENN	50	60	55	TENN	20	30	15				
19 STATES	78	79	70	19 STATES	44	43	33				
THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.				THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.							

GRAIN SORGHUM % HEADED				CORN % SILKING			CORN % DOUGH				
	1986	1985	AVG.		1986	1985	AVG.		1986	1985	AVG.
ARK	84	NA	NA	COLO	70	83	67	COLO	15	22	11
ILL	75	NA	NA	GA	100	100	100	GA	99	100	95
KANS	45	15	15	ILL	100	100	95	ILL	70	60	44
LA	99	95	90	IND	94	93	80	IND	30	25	20
MISS	89	92	71	IOWA	96	95	86	IOWA	20	15	9
MO	74	57	54	KANS	96	90	70	KANS	45	35	15
NEBR	70	40	35	KY	95	90	78	KY	50	38	16
OKLA	40	55	40	MICH	80	80	75	MICH	7	10	5
S DAK	19	20	29	MINN	86	82	74	MINN	1	1	1
TENN	80	75	NA	MO	100	97	81	MO	81	68	42
TEX	74	76	76	NEBR	97	92	80	NEBR	30	10	10
11 STATES	64	NA	NA	N C	100	100	98	N C	82	86	79
EXCL. STATES WITH NA	62	48	45	OHIO	96	96	78	OHIO	42	41	22
THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.				PA	75	55	55	PA	0	0	0
NA - NOT AVAILABLE.				S DAK	60	61	57	S DAK	10	8	4
				TEX	99	96	NA	TEX	84	76	NA
				WIS	85	62	61	WIS	12	11	11
				17 STATES	92	89	NA	17 STATES	34	28	NA
				EXCL. STATES WITH NA	92	89	80	EXCL. STATES WITH NA	33	27	20
				THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.				THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.			
				NA - NOT AVAILABLE.				NA - NOT AVAILABLE.			

WINTER WHEAT
% HARVESTED

	1986	1985	AVG.
ARK	100	100	100
CALIF	99	98	98
COLO	92	94	89
GA	100	100	100
IDAHO	30	20	13
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MICH	95	97	85
MO	100	100	96
MONT	35	40	25
NEBR	100	100	95
N MEX	100	NA	NA
N C	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	58	44	33
S DAK	90	88	83
TEX	100	100	100
WASH	42	43	35

20 STATES	91	NA	NA
EXCL. STATES WITH NA	91	91	89

THESE 20 STATES PRODUCED 91% OF THE 1985 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

WEEKLY CROP WEATHER CONDITION PERCENT REPORT
FOR WEEK ENDING AUGUST 3, 1986

SPRING WHEAT

STATE	VP	P	F	G	EX
IDAHO	0	8	25	63	4
MINN	1	5	36	57	1
MONT	0	2	27	61	10
N DAK	0	0	13	84	3
S DAK	0	1	31	61	7

RICE

STATE	VP	P	F	G	EX
ARK	0	0	14	81	5
CALIF	0	0	10	70	20
LA	0	0	19	71	10
MISS	5	17	27	51	0
TEX	0	0	30	59	11

CORN

STATE	VP	P	F	G	EX
COLO	3	1	14	64	18
GA	28	44	26	2	0
ILL	0	0	1	34	65
IND	NA	0	8	72	20
IOWA	1	0	6	49	44
KANS	0	1	6	36	57
KY	0	9	54	31	6
MICH	2	8	15	50	25
MINN	0	3	14	51	32
MO	1	6	21	47	25
NEBR	0	0	4	45	51
N C	39	19	27	13	2
OHIO	0	0	6	59	35
PA	1	3	18	46	32
S DAK	0	2	8	69	21
TEX	0	4	17	53	26
WISC	0	0	5	48	47

SOYBEANS

STATE	VP	P	F	G	EX
ALA	0	46	46	8	0
ARK	0	39	55	6	0
GA	28	36	33	3	0
ILL	0	0	5	63	32
IND	NA	0	21	73	6
IOWA	1	0	17	58	24
KANS	0	0	25	29	46
KY	0	7	67	21	5
LA	0	7	61	32	0
MICH	1	4	25	50	20
MINN	0	2	27	59	12
MISS	10	60	25	5	0
MO	2	5	43	47	3
NEBR	0	0	5	80	15
N C	14	33	36	17	0
OHIO	0	0	18	76	6
S C	32	42	21	5	0
S DAK	0	0	8	75	17
TENN	9	30	55	6	0

COTTON

STATE	VP	P	F	G	EX
ALA	0	24	54	22	0
ARIZ	0	0	0	90	10
ARK	0	14	44	33	9
CALIF	0	0	15	75	10
GA	17	28	50	5	0
LA	15	15	37	31	2
MISS	5	30	39	26	0
MO	0	27	64	9	0
N MEX	0	0	33	67	0
N C	0	17	48	26	9
OKLA	0	15	35	50	0
S C	43	44	13	0	0
TENN	0	5	52	43	0
TEX	0	5	45	43	7

GRAIN SORGHUM

STATE	VP	P	F	G	EX
ARK	0	13	62	23	2
ILL	0	0	6	78	16
KANS	0	2	15	41	42
LA	0	5	26	69	0
MISS	6	18	51	25	0
MO	3	12	41	41	3
NEBR	0	0	11	74	15
OKLA	0	3	22	75	0
S DAK	0	10	37	49	4
TENN	1	27	48	24	0
TEX	0	0	31	54	15

VP - VERY POOR P - POOR F - FAIR G - GOOD EX - EXCELLENT

NA - NOT ASKED

State Summaries of Weather and Agriculture

These summaries 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.

ALABAMA: Temperatures averaged 3 to 6° above normal. Rainfall totals mostly under 0.50 in. Isolated areas 1.00 to 3.00 in.

Days suitable for fieldwork 6.2. Soil moisture 90% short, 10% adequate. Crops continued to suffer from dry weather, high temperatures. Peanuts pegging 93% 1986, 100% 1985, 97% avg. Primary activities: Harvesting corn, hay, fruit, vegetables; cultivating row crops; spraying insects on cotton, pecans, soybeans, sorghum; applying fungicides to peanuts; providing supplemental feed, water to livestock; routine farm chores.

ALASKA: Warm days, cooler nighttime temperatures with some scattered showers. Temperatures ranged 4° below normal to 3° above normal. Seasonal precipitation ranged 3.13 in. wetter than normal to 2.24 in. drier than normal.

Days suitable for fieldwork 4.0. Topsoil moisture 6% short, 93% adequate, 1% surplus. Subsoil moisture 2% short, 97% adequate, 1% surplus. Barley for grain headed; over 90% dough with small percentage turning color. Barley for grain conditions slipped to 56% poor, 28% fair, 16% good. Hay harvest 95% complete. Commercial vegetables, potatoes showed excellent growth. Potatoes 90% blooming. Head lettuce, radish, leaf lettuce, Romaine and other greens harvest continued.

ARIZONA: Weather hot, dry 28th to 1st. Monsoon recurred 2nd, 3rd with scattered showers, thunderstorms central mountains southward. Rainfall from traces to 0.07 in. Temperatures 1° below normal to 4° above.

Cotton advanced. Open bolls west, central. Insect controls, irrigations widespread. Pink bollworms, spider mites, boll weevils prevalent, but under control. Hay cutting moderate. Prices soft, demand steady for good quality. Insect, weed infestations normal. Corn silage harvested. Southeast grain corn tasseling. Grain corn harvested west. Late planting took place west. Insect controls applied. Sorghum stands good, heading. Silage cut. Peanuts, sudan grass excellent. Cantaloup, watermelon, other melon harvests active. Winter squash, carrots, green onions, chili peppers harvested. Potatoes dug southeast. Field preparation, planting fall lettuce began southeast. Early variety apples harvested. Yuma lemons picked. Follow-up rains needed in grazing areas. Grasshopper damage heavy in spots. Cattle, calves fair to good, stockwater short to adequate, as was soil moisture.

ARKANSAS: Record setting temperatures with moderate rainfall near end of week. Temperature extremes 57°; 115°. Rainfall 0.22 to 2.21 in.

Days suitable for fieldwork 7.0. Soil moisture 98% short, 2% adequate. Crop growth slow. Major activities: Cutting and baling hay; cultivating and irrigating crops; harvesting corn, wine grapes, squash, apples, melons; applying herbicides, insecticides; scouting for diseases and insects. Pasture growth slowed, grasshoppers a problem. Spraying livestock for insects, external parasites. Providing additional hay to livestock. Walking broilers.

CALIFORNIA: Persistent upper low off northern coast responsible for unseasonably cool temperatures during most week. By 31st low dissipated, replaced by major high from southeast,

moved valley temperatures into 100s, deserts to 110° and above.

Cotton, irrigation, pest treatment active. Rice development normal. Small grain harvest continued. Safflower harvest began. Sugarbeet harvest active; treatment powdery mildew prevalent. Field corn progress good. Alfalfa, other hay harvests continued. Preparations made for seed alfalfa harvest. Gravenstein apple picking near end. Golden Delicious starting. Avocado, table grape, wine grape, nectarine, Clingstone peach, Freestone peach, Bartlett pear, summer grapefruit, Valencia orange harvests active. Plum harvest near completion. Prune, almond harvests began. Walnuts treated for pests. Artichoke moderate, variable quality; central coast. Broccoli moderate, good quality; Salinas, Santa Maria. Carrot fairly heavy; Salinas. Cauliflower moderate, good quality; Salinas, Santa Maria. Celery fairly light; Salinas, moderate; Santa Maria, good quality. Sweet corn harvest continued south coast; good quality. Cucumber harvest active; San Joaquin Valley, south coast. Lettuce moderate, variable quality; Salinas. Field preparation fall lettuce, Westside, Palo Verde Valley. Melons very good quality. Cantaloup harvest winding down Kings. Watermelon harvest limited south coast. Dry onion digging active; Perris-Hemet. Summer potato harvest continued Hemet-San Jacinto. Tulelake-Butte Valley continued ship 1985 fall potatoes. Processing, fresh market tomato harvest progressed San Joaquin Valley; good quality. Harvest early market crop finished, fall fields irrigated; Huron. Most lower elevation ranges, pastures extremely dry. Grass, brush fires reported many areas. Stock water levels decreased. Sheep being moved stubble fields.

COLORADO: Temperatures averaged 3° above to 3° below normal. Precipitation totals averaged none to 1.45 in.

Days suitable for fieldwork 6.4. Soil moisture 15% very short, 50% short, 35% adequate. Hail damage to corn, dry beans, onions in northeastern area. Corn silking. Barley ripe 64%, 62% 1985, 54% avg.; harvested 52%, 51% 1985, 40% avg. Dry Beans flowering 65%, 86% 1985, 69% avg. Livestock good; range, pasture fair to mostly good.

FLORIDA: Partly cloudy, near normal temperatures but highs near end of week exceeded 100° over Panhandle, extreme north Peninsula. Scattered thunderstorms over most of State. Amounts averaged between 1.00 to 2.00 in. with heaviest over central Peninsula.

Soil moisture short Panhandle but improving; adequate elsewhere. Corn harvest continued, non-irrigated corn yields reduced. Soybean, peanut condition improved. Tobacco harvest declined seasonally, markets open. Cotton good. Hay harvest active. Sugarcane good. Panhandle pastures fair to poor, virtually no grazing in drought disaster areas; central pastures very poor to good according to rain; southern grazing good, some excess water extreme southern localities. Most Panhandle, north cattle fair to poor; good elsewhere. Hot temperatures, irrigation continued, new growth all citrus areas, very good fruit sizes. Valencia harvest virtually complete, caretakers active all areas with normal summer activities. Land preparation active fall vegetables. Tomato transplanting underway Palmetto Ruskin area, to begin mid-August southwest, southeast area. Celery

seed beds started. Summer vegetables, melons supplies very limited in north, west areas.

GEORGIA: Temperatures 2 to 4° above normal, north; 5 to 7° above normal, central, south. Temperatures above 100° over much of State mid, late week. Widely scattered thunderstorms, few locations 1.00 to 3.00 in. of rain. Several stations less than 0.50 in. Daily pan evaporation 0.30 to 0.35 in. over most of State.

Days suitable for fieldwork 5.9. Soil moisture 67% very short, 29% short, 4% adequate. Corn 95% dent, 93% 1985, 82% avg.; 81% mature, 71% 1985, 54% avg.; 16% harvested, 14% 1985, 9% avg. Cotton 7% bolls open, 3% 1985, 2% avg. Sorghum grain 17% very poor, 47% poor, 35% fair, 1% good. Peanuts 8% very poor, 17% poor, 68% fair, 7% good; 99% blooming, 100% 1985, 99% avg.; 89% pegging, 99% 1985, 97% avg. Tobacco 6% very poor, 15% poor, 64% fair, 15% good; 51% harvested, 54% 1985, 53% avg. Watermelons 21% very poor, 23% poor, 46% fair, 10% good; 95% harvested, 94% 1985, 86% avg. Apples 20% very poor, 28% poor, 40% fair, 12% good; 20% harvested, 20% 1985, 21% avg. Peaches 9% very poor, 25% poor, 50% fair, 16% good; 97% harvested, 98% 1985, 92% avg. Pasture 47% very poor, 38% poor, 14% fair, 1% good. Hay 55% very poor, 31% poor, 12% fair, 2% good. Cattle 12% very poor, 35% poor, 51% fair, 2% good. Hogs 3% very poor, 11% poor, 62% fair, 24% good. Main activities: Harvesting; spraying for insect, weed control; irrigation affected by low water sources.

HAWAII: Conditions mostly favorable. Few isolated showers windward, mountain areas. Northeasterly winds 10 to 25 mph. Temperatures ranged high 60s to low 90s. Rainfall ranged none to 2.50 in.

Days suitable for fieldwork 7.0. Weather conditions beneficial to bananas. Papayas fair. Leafy vegetables mostly fair; some crops experienced increased insect, disease infestation.

IDAHO: Temperatures slightly below normal. Most precipitation confined to Southeast but light amounts accompanied scattered showers elsewhere.

Days suitable for fieldwork 7.0. Small grains progressing well, harvest of winter wheat continued active, harvest of spring wheat, barley beginning. Second cutting of alfalfa hay nearly half complete. Potatoes good, nearly all closed middles. Range, pasture good, grazing adequate. Livestock good. Grasshopper, insect infestation moderate.

ILLINOIS: Temperatures averaged 1 to 3° below normal. Precipitation traces to 2.00 in, heaviest central, northwest.

Days suitable for fieldwork 5.8. Soil moisture 28% short, 69% adequate, 3% surplus. Corn dent 20%, 12% 1985, 8% avg. Oats harvested 98%, 92% 1985, 84% avg. Alfalfa 1% poor, 25% fair, 64% good, 10% excellent; alfalfa 3rd crop cut 40%, 29% 1985, 19% avg. Pasture 4% poor, 28% fair, 59% good, 9% excellent. Major farm activities: Harvesting hay and oats, walking soybeans, mowing roadsides and tending livestock

INDIANA: Temperatures averaged at or slightly below normal. Mid-day readings 80s to middle 90s. Morning lows ranged from the lower 50s north to 60s south. Precipitation generally light. Most sections reported totals from 0.10 to 0.33 of an inch with 1.50 in. northeast.

Fieldwork averaged 5.5 days. Topsoil moisture 27% short, 69% adequate, 4% surplus. Subsoil moisture 19% short, 78% adequate, 3% surplus. Corn mostly good to excellent. Soybeans fair to mostly good. Oats 90% combined, 92% 1985, 85% avg. Rye 94% combined, 99% 1985, 97% avg. Alfalfa 85% cut twice, 93% 1985, 85% avg. Scattered showers improved crop, pasture condition. Pastures mostly fair to good.

IOWA: Hot, humid early week, turning cooler July 31st. Moderate to locally heavy rains, damaging winds, hail on evening and night July 28 to 29 from northwest to southeast. Elsewhere subnormal rainfall.

Days suitable for fieldwork 5.8. Topsoil moisture 13% short, 83% adequate, 4% surplus; subsoil moisture 95% adequate, 5% surplus. Oats harvested 97%, 100% 1985, 87% avg. Hay 1% poor, 20% fair, 63% good, 16% excellent. Second crop alfalfa harvested 90%, 100% 1985, 87% avg.; second crop clover harvested 70%, 91% 1985, 67% avg. Corn mostly good to excellent; milk stage 55%, 54% 1985, 36% avg.; dent stage 5%, 2% 1985, none avg. Soybeans mostly good to excellent. Livestock mostly good; heat stress continued early week but much cooler late week. Pastures mostly good to fair.

KANSAS: Precipitation little to none southwest, west central and central, 0.75 in. southeast. Temperatures averaged 77° northwest to 84° southeast, normal to 2° below normal north central, central and east central, 1 to 3° above normal elsewhere.

Days suitable for fieldwork 6.5. Topsoil moisture 76% short, 24% adequate. Hot, dry weather caused drought stress most crops, but prospects continued good. Sorghum heading ahead schedule, scattered hail damage toward end of week. Greenbug infestations most areas but heat, parasitic wasps help control. Corn excellent progress, prospects good despite heat, scattered wind, hail damage. Soybeans ahead schedule. Range, pasture condition deteriorated especially poor west.

KENTUCKY: High temperatures early, reaching mid to upper 90s; cold front slipped through bringing cooler and less humid air end of period. Average temperatures ranged from 1 to 6° above normal. Precipitation widely scattered; totals averaged 0.10 to 0.75 in. Locally, heavier amounts fell producing isolated amounts of 1.50 to 2.50 in.

Days suitable fieldwork 5.3. Soil moisture 44% very short, 46% short, 10% adequate. Corn maturing rapidly. Soybeans in critical blooming, podding stage, need rain. Burley tobacco 35% topped, earliest fields being cut. Dark tobacco over 50% topped. Tobacco 1% very poor, 14% poor, 68% fair, 16% good, 1% excellent. Pastures 22% very poor, 35% poor, 39% fair, 3% good, 1% excellent. Most State would benefit from rain.

LOUISIANA: Temperature 3 to 5° above normal. Temperature extremes 71°; 105°. Rainfall averaged none to 0.98 in.

Days suitable for fieldwork 6.2. Soil moisture 63% short, 37% adequate. Drought stress, extreme heat reported statewide. Cotton 20% open bolls, 2% 1985, 1% avg. Corn good; 79% mature, 78% 1985, 66% avg.; 20% harvested, 17% 1985, 20% avg. Rice 30% ripe, 26% 1985, 23% avg. Sorghum 78% turning color, 65% 1985, 58% avg.; 28% ripe, 18% 1985, 16% avg. Sweetpotatoes fair; 7% harvested, 8% 1985, 7% avg. Hay final cutting 19% complete, 3% 1985, 1% avg. Sugarcane good; vegetables fair; pasture, livestock fair to good. Main activities: Baling hay, applying pesticides, harvesting corn, rice, sorghum, sweetpotatoes.

MARYLAND & DELAWARE: **MARYLAND:** Temperatures averaged 3° above normal over State; lowest temperature 51° Oakland; highest temperature 97° College Park. Precipitation averaged 0.21 in., ranging from none to 0.72 in.

Days suitable for fieldwork 6.2. Topsoil moisture short. Subsoil moisture very short. Field corn poor to fair. Field corn 82% silked, 92% 1985, 86% avg.; 42% dough, 57% 1985, 44% avg.; 29% dent, 17% 1985. Soybeans 50% bloomed, 50% 1985, 43% avg.; 21% podding, 16% 1985, 16% avg.

Tobacco fair; 35% bloomed, 76% 1985. Pasture poor to fair. Sweet corn 61% harvested, 69% 1985, 57% avg. Watermelons 62% harvested, 58% 1985. Cantaloupes 72% harvested, 59% 1985. Cucumbers 93% harvested, 79% 1985, 67% avg. Snap beans 72% harvested, 95% 1985, 93% avg. Tomatoes 31% harvested, 59% 1985, 44% avg. Peaches 54% harvested, 67% 1985. Alfalfa 3rd cutting 36% harvested, 49% 1985, 33% avg. Other hays 2nd cutting 85% harvested, 100% 1985, 90% avg. Other hays 3rd cutting 11% harvested, 64% 1985, 25% avg.

Delaware: Temperatures averaged 20° above normal over State; lowest temperature 64° Dover; highest temperature 96° Milford. Precipitation averaged 0.80 in., ranging from 0.25 to 1.29 in.

Days suitable for fieldwork 6.2. Topsoil moisture short. Subsoil moisture very short to short. Field corn 94% silked, 90% 1985, 88% avg.; 53% dough, 45% 1985, 42% avg. Soybeans 48% blooming, 65% 1985, 41% avg.; 33% podding, 30% 1985, 11% avg. Field corn poor to fair. Soybeans fair. Pasture poor. Sweet corn 67% harvested, 60% 1985, 63% avg. Potatoes 49% harvested, 55% 1985, 58% avg. Watermelons 20% harvested, 11% 1985. Cantaloupes 61% harvested. Cucumbers 75% harvested, 65% 1985, 70% avg. Tomatoes 24% harvested, 14% 1985, 32% avg. Peaches 37% harvested, 45% 1985. Alfalfa 3rd cutting 94% harvested, 85% 1985, 48% avg. Other hays 2nd cutting 80% harvested, 100% 1985, 92% avg.

MICHIGAN: Temperatures ranged 2 to 50° above normal. Temperature extremes 46°; 91°. Precipitation ranged from none to 1.20 in.

Days suitable for fieldwork 6.0. Soil moisture 25% short, 75% adequate. Corn 80% silked, 80% 1985, 75% avg.; dough 7%, 10% 1985, 5% avg.; 2% very poor, 8% poor, 15% fair, 50% good, 25% excellent. Soybeans 70% bloomed, 70% 1985, 75% avg.; setting pods 20%, 15% 1985, 20% avg.; 1% very poor, 4% poor, 25% fair, 50% good, 20% excellent. Wheat 95% harvested, 97% 1985, 85% avg. Dry beans 70% bloomed, 75% 1985, 75% avg. Major farm activities: Harvesting hay, oats, potatoes, peaches, tart cherries. Second cut hay behind poor drying conditions. Peaches sizing well.

MINNESOTA: Temperatures averaged normal to 5° below normal. Temperature extremes 42°, 89°. Precipitation averaged 0.67 in. below normal to 0.49 in. above normal. Greatest weekly total 2.82 in.

Days suitable for fieldwork 4.0. Topsoil moisture 3% short, 64% adequate, 33% surplus. Small grains slowly ripening under favorable cool conditions. Red River Valley harvest delayed by rain southern portion. Spring wheat 68% turning ripe, 79% 1985, 84% avg. Oats 90% turning ripe, 95% 1985, 94% avg.; 24% harvested, 43% 1985, 29% avg. Barley 83% turning ripe, 94% 1985, 94% avg.; 15% harvested, 27% 1985, 31% avg. Row crops progressing well despite scattered drought, hail damage. Field corn 27% milk, 32% 1985, 18% avg. Pasture good.

MISSISSIPPI: Temperatures 3 to 6° above normal, extremes 65°; 107°. Weekly precipitation range none to 1.70 in., unusually hot conditions. Greatest 24-hour total 1.08 in.

Days suitable for fieldwork 6.2, 5.0 1985, 5.1 avg. Soil moisture 46% very short, 39% short, 15% adequate. Corn 5% very poor, 14% poor, 33% fair, 36% good, 12% excellent; 95% dough stage, 95% 1985, 86% avg.; 81% dented, 32% 1985; 29% mature. Watermelons 73% harvested, 75% 1985, 67% avg. Hay 70% harvested, 69% 1985, 70% avg. Peaches 90% harvested, 94% 1985, 80% avg. Sorghum silage 35% harvested, 35% 1985, 25% avg. Corn silage 45% harvested, 39% 1985, 27% avg.

MISSOURI: Record heat of well over 100° southwest, with 90s over rest of State early week. Temperatures dropped to 80s later week. Rainfall spotty.

Days suitable for fieldwork 6.0. Soil moisture 59% short, 40% adequate, 1% surplus. Corn in dent stage 51%, 26% 1985, 16% avg. Alfalfa 3rd cutting 59%, 41% 1985, 32% avg. Pasture 12% very poor, 27% poor, 47% fair, 13% good, 1% excellent.

MONTANA: Dry, except isolated thunderstorms brought rain, some hail parts southwest, central southeast. Temperatures 3 to 6° below normal. West cool 1st, above normal later. East warm 1st, cool later.

Days suitable for fieldwork 6.5. Topsoil moisture supply 62% short, 38% adequate. Subsoil moisture supply 37% short, 63% adequate. Grasshopper infestation compared with normal 25% light, 20% moderate, 55% severe. Aphids 10% none, 45% light, 30% moderate, 15% severe. Barley ripe 27%, 60% 1985, 30% avg. Second cutting alfalfa hay 35%, 60% 1985, 30% avg. Wild hay 75%, 95% 1985, 75% avg. Range feed supplies 3% short, 85% adequate, 12% surplus.

NEBRASKA Amounts averaged 1.00 to 1.50 in. north, less than 0.10 in. southeast, south. Temperatures 3° below normal. Temperatures extremes 49°; 107°.

Days suitable for fieldwork 6.2. Topsoil moisture 66% short, 34% adequate. Subsoil moisture 36% short, 64% adequate. Corn excellent to good. Soybeans, sorghum mostly good to excellent. Second cutting alfalfa 94%, 93% 1985, 90% avg. Third cutting 15%, 6% 1985, 7% avg. Alfalfa mostly good. Oats harvested 98%, 94% 1985, 85% avg. Pasture, range mostly adequate. Cooler temperatures welcomed last week.

NEVADA: Few isolated thunderstorms extreme west, northern border early in period. Only trace amounts rain reported, no precipitation entire week southern areas. Temperatures below normal early part week, moved to above normal end of period.

Small grain harvest moving farther north. Good progress alfalfa hay harvest. Garlic harvest gaining momentum. Grasshopper infestations high localized areas. Ranges, pastures deteriorating from high temperatures, no rain.

NEW ENGLAND: Precipitation 3.00 to 4.00 in. western Massachusetts, southern Vermont; 0.50 in. coastal, 1.00 to 3.00 in. elsewhere. Temperatures mid 60s Maine, near 70° elsewhere. Northern areas near normal; southern areas below normal.

Days suitable for fieldwork 3.0. Soil moisture 60% adequate, 40% surplus. Grazing availability 15% short, 85% adequate. Fieldwork 2.5 days behind schedule. Rains stalled fieldwork progress. Maine potato crop 1 week behind schedule; condition good. Southern States potatoes good to excellent; early variety harvest underway. Field corn fair to good north, good to excellent south. Sweet corn 20% picked, 20% 1985, 20% avg.; good to excellent. First crop hay harvest complete. Second crop 40% cut, 50% 1985, 50% avg.; good to excellent. Shade tobacco 25% to 50% picked north to south. Outdoor tobacco, less than 5% picked. Vegetable, early apple, peach, berry harvest active. Cranberry prospects excellent; set, sizing good. Major field activities: Preparing machinery for harvest, chopping hay between showers, picking fruits, vegetables.

NEW JERSEY: Temperatures averaged slightly below normal north, near normal south, central. Extremes 55°; 94°. Rainfall averaged 4.16 in. north, 1.95 in. central, 1.49 in. south. Heaviest 24-hour total 2.95 in. on 30th, 31st. Estimated soil moisture percent field capacity averaged 88% north, 87% central, 54% south. Four inch soil

temperatures averaged 74° north, 76° central, south.

Thunderstorms continued to deliver erratic amounts of rain. Soil moisture ranged from short to surplus. Summer vegetables moderate to good volume. Fall vegetable planting continued. Irish potato harvest general. Harvest of midseason peach varieties. Blueberry harvest neared completion; light picking 2 more weeks. Field corn, soybeans developed well most areas. Oat combining active. Hay making interrupted by frequent rains. Pasture growth improved.

NEW MEXICO: Weekly average temperatures near to 4° above normal. Temperatures 40° northern mountains to 103° northeastern plains, southern desert. Precipitation none southeastern plains, northwestern plateau, western mountains, central valley, southern desert to 1.25 in. northeastern plains.

Days suitable for fieldwork 6.7. Soil moisture 56% short, 44% adequate. No hail damage. Alfalfa 33% fair, 50% good, 17% excellent. Corn 17% fair, 66% good, 17% excellent. Irrigated grain sorghum 33% fair, 50% good, 17% excellent. Dryland grain sorghum 100% fair. Pecans 25% fair, 75% good. Apples 50% fair, 50% good. Chile 75% good, 25% excellent. Onions 100% good. Cattle 13% fair, 87% good. Sheep 100% good. Range 50% fair, 50% good.

NEW YORK: Warm, humid week with showers, thunderstorms. Precipitation locally heavy. Daytime temperatures in 70s to 80s. Thunderstorms strong, heavy rains each day. Rainfall equaled or better average amount for August many locations.

Days suitable for fieldwork 2.0. Soil moisture mostly surplus. Corn tasseled, silked in most fields. Wheat 50% harvested. Oat harvest just underway some lodging from winds, rain. Second cutting alfalfa 38% complete. Grape crop 10 days ahead of normal. Harvesting of peaches, early summer apple varieties continued.

NORTH CAROLINA: Temperatures averaged 1 to 3° above normal across State. Temperature extremes 50°; 100°. Precipitation ranged from none to 3.18 in.

Days suitable for fieldwork 6.1. Soil moisture 47% very short, 34% short, 19% adequate. Corn mostly very poor, drought stressed beyond relief. Corn for silage harvested 30%, 11% 1985, 8% avg. Cotton mostly fair to good, setting bolls. Soybeans mostly fair to poor, flowering. Tobacco 4% very poor, 11% poor, 45% fair, 34% good. Flue-cured tobacco harvested 20%, 13% 1985, 27% avg. Peanuts 22% poor, 26% fair, 52% good. Hay 46% very poor, 27% poor, 16% fair, 11% good. Pasture 48% very poor, 22% poor, 18% fair, 12% good. Major farm activities: Irrigating crops; cutting corn for silage; topping, suckering tobacco; cutting hay; cultivating soybeans, peanuts; harvesting vegetables, fruits, flue-cured tobacco; shearing Christmas trees; tending livestock; spraying soybeans, peanuts, cotton, tobacco, fruit trees; mowing; arranging for hay deliveries; preparing combines; general farm maintenance.

NORTH DAKOTA: Rain received most areas. Heavy thunderstorms with large hail, gusty winds, 29th central. Rainfall 0.30 in. south central, western to 1.30 in. northeast. Temperatures 2 to 5° below normal; low 39° west central 2nd, high 94° west central, southwest 29th.

Days suitable for fieldwork 5.8. Moisture levels declined slightly, still above normal. Topsoil 9% short, 86% adequate, 5% surplus. Small grain conditions stable, except winter wheat, rye which fell slightly as harvest started. Crop progress near normal pace. Harvest of small grains should progress rapidly, if weather holds. Hard red spring

wheat turning and beyond 61%, 76% 1985, 63% avg.; durum wheat turning and beyond 43%, 60% 1985, 48% avg.; barley turning and beyond 86%, 93% 1985, 84% avg. Conditions declined for most late season crops but are still mostly good; progress remains ahead of normal for all crops except soybeans. Potatoes bloom or beyond 90%, 93% 1985, 87% avg.; flax bloom or beyond 92%, 92% 1985, 87% avg.; sunflower bloom or beyond 47%, 19% 1985, 25% avg.; dry beans bloom or beyond 94%, 84% 1985, 83% avg. Pasture conditions deteriorated slightly.

OHIO: Average temperatures 1 to 3° subnormal. Extremes low 50s to low 90s. Precipitation widespread, light; amounts 0.10 to 0.33 in. mostly north, less south.

Days suitable for fieldwork 6.2. Soil moisture 40% short, 58% adequate, 2% surplus. Activities included small grain, hay, vegetable, fruit harvests; spraying; preparing for fall seedings. Corn good to excellent, growing rapidly; some heat stress, no insect problems. Soybeans good. Winter wheat harvest complete. Oats combining advanced rapidly. Hay fair to good; leafhoppers in alfalfa. Pastures fair. Grasslands need rain southeast. Tobacco fair; some blooming early on short stems. Sugarbeet good. Livestock, poultry eating less.

OKLAHOMA: Temperatures averaged 5° above normal Panhandle, north central, southern third to 7° above normal northeast. Precipitation averaged 0.06 in. south central to 0.52 in. northeast.

Days suitable for fieldwork 6.7. Topsoil moisture 90% short, 10% adequate. Subsoil moisture 45% short, 55% adequate. High temperatures, little rainfall reduced soil moisture to low for year. Wheat 100% harvested, 100% 1985, 100% avg. Sorghum 3% poor, 22% fair, 75% good; 40% heading, 55% 1985, 40% avg. Cotton 15% poor, 35% fair, 50% good; 80% squaring, 95% 1985, 75% avg.; 40% setting bolls, 65% 1985, 25% avg. Producers actively irrigating, dryland crops suffering. Pastures mostly fair. Risk of range fires increasing as high temperatures continued without rain. Cattle marketings, prices steady.

OREGON: Temperatures below normal all areas until final two days of week turned abnormally hot. Weekly average temperatures ranged from 3° below to 5° above normal. High temperatures most areas mid to upper 90s; scattered readings above 100° southwest, east of Cascades. Only coast had below normal temperatures due to low clouds, fog. Virtually no precipitation except northeast thundershowers left 0.33 in. to 0.50 in.

Soil moisture 71% short, 29% adequate. Barley 66% harvested, 65% 1985. Grain harvest progressed rapidly with warm, dry weather. Grass seed harvest started west, Malheur County. Third alfalfa cutting began Jackson County. Second hay cutting progressed eastern high country. Bartlett pear harvest began Medford; projected to start about the 11th Hood River. Early Italian prune harvest about finished Milton-Freewater; other varieties to start end of week. Red Haven peach picking peaked western areas; crop began to ripen Hood River. Marionberry, boysenberry, blueberry harvests about completed. Blackberry harvest started. Cranberries continued to size, quality good. Snap bean harvest continued Willamette Valley, Umatilla County; western yields excellent. Early sweet corn harvested Jackson County, Willamette Valley. Walla Walla sweet onion harvest continued Milton-Freewater. Storage onion harvest began Malheur County. Livestock mostly good to excellent. Nonirrigated pastures mainly dried out west; irrigated pastures producing well. Rangeland drying rapidly east, high elevation grass still good. Some contracts made for fall delivery of yearling cattle.

PENNSYLVANIA: Quite humid across most of State, but temperatures remained near seasonal normals. Widely scattered thunderstorms produced isolated rainfall between 1.00 to 2.00 in. Average temperature 72°, 1° above normal. Temperature extremes 49°; 93°. Average precipitation 0.95 in., 0.09 in. above normal.

Days suitable for fieldwork 5.0. Soil moisture 11% short, 85% adequate, 4% surplus. Corn 75% silked, 55% 1985, 55% avg.; 1% very poor, 3% poor, 18% fair, 46% good, 32% excellent. Average corn height 70 in., 70 in. 1985, 68 in. avg. Soybeans 1% very poor, 5% poor, 25% fair, 42% good, 27% excellent. Barley 4% ripe, 96% harvested; 1985 6% ripe, 94% harvested. Wheat 19% ripe, 81% harvested; 1985 16% ripe, 84% harvested. Wheat 1% very poor, 5% poor, 27% fair, 56% good, 11% excellent. Oats 14% turning yellow, 39% ripe, 47% harvested; 1985 23% turning yellow, 26% ripe, 51% harvested. Oats 2% very poor, 4% poor, 19% fair, 50% good, 25% excellent. Second cutting alfalfa 78% complete; 1985 86%; quality of hay fair to good. Feed from pasture average to below average. Activities: Making hay, haylage; clipping pastures; spraying alfalfa; harvesting barley, wheat, oats, cherries, peaches, apples, vegetables.

PUERTO RICO: Island average rainfall 1.17 in., 0.19 in. below normal. Highest weekly total rainfall 7.68 in. Pico Del Este Luquillo followed by 6.72 in. Rio Blanco LWR, 2.52 in. Corral Viejo. Highest 24-hour total 4.30 in. Pico Del Este Luquillo. Accumulated total rainfall for area since Jan 1 to Aug 1 is 36.26 in., 17% above normal. Temperatures averaged 81 to 82° on coasts, 75° interior with mean station temperature ranging from 67° several places to 83° Roosevelt roads. Highest maximum temperature 92° several places, lowest minimum temperature 58° several places.

SOUTH CAROLINA: Temperatures normal. Scattered showers, more than 1.00 in. in localized areas.

Days available for fieldwork 6.1. Soil moisture 81% very short, 19% short. Cotton squaring 100%, setting bolls 87%, 96% 1985, 96% avg.; 43% very poor, 44% poor, 13% fair. Soybeans blooming 35%, 50% 1985, 41% avg.; setting pods 15%, 16% 1985, 11% avg.; 32% very poor, 42% poor, 21% fair, 5% good. Tobacco poor to fair; 95% topped, 100% 1985, 100% avg.; 33% harvested, 35% 1985, 47% avg. Corn poor; 93% dough stage, 95% 1985, 89% avg.; 58% mature, 49% 1985, 45% avg.; 13% harvested, 3% 1985, 4% avg. Peanuts poor. Peaches, apples poor to fair. Pastures poor, hay poor.

SOUTH DAKOTA: Average temperatures ranged 4° below to 3° above normal. Extremes 43°; 106°. Black Hills low 35°. Precipitation widespread but variable.

Days suitable for fieldwork 4.9. Topsoil moisture adequate east, short west; 5% critically short, 41% short, 47% adequate, 7% surplus. Subsoil moisture adequate east, short west; 2% critically short, 35% short, 52% adequate, 11% surplus. Small grain harvest slowed by heavy dew, rain, high humidity. Test weights light. All crops mostly good. Range, pastures, livestock good to excellent. Feed, stockwater supplies adequate to surplus.

TENNESSEE: Very hot daytime temperatures. Precipitation widely scattered. Amounts light to moderate.

Days suitable for fieldwork 6.1. Soil moisture 66% very short, 28% short, 6% adequate. Corn 96% tasseling, 95% 1985, 90% avg.; 70% dough, 65% 1985, 50% avg.; 40% dented, 30% 1985, 20% avg.; 14% very poor, 33% poor, 44% fair, 9% good. Cotton 98% squaring, 100% 1985, 98% avg.; 85% setting bolls, 85% 1985, 75% avg.; 5% poor, 52% fair, 43% good. Sorghum 80% headed, 75% 1985; 35% turning color,

20% 1985; 1% very poor, 27% poor, 48% fair, 24% good. Soybeans 50% blooming, 60% 1985, 55% avg.; 20% setting pods, 30% 1985, 15% avg.; 9% very poor, 30% poor, 55% fair, 6% good. Tobacco 35% topped, 50% 1985; 11% very poor, 52% poor, 36% fair, 1% good. Cattle fair to poor. Pastures mostly poor to very poor.

TEXAS: Upper level high pressure produce hot, dry weather across State. Several daily high temperature records broken north central. Weather changes occurred latter part week, weak cold front moved northern sections. Front triggered rains High Plains, western, central areas weekend. Temperatures averaged near normal Rolling Plains, south, but above normal elsewhere. Rainfall below normal except High Plains.

Crops: Corn irrigated fields Plains excellent. Dryland fields heat stressed. Good yields Blacklands, central. Later fields affected by heat. Harvesting about complete Upper Coast. Harvesting continued Rio Grande Valley, good yields. Dented 68%, 60% 1985. Mature 62%, 40% 1985. Harvested 33%, 7% 1985, 14% avg. Grain sorghum various stages Plains, Cross-Timbers. Dryland fields need moisture. Some light harvest underway Cross-Timbers. Harvesting continued Blacklands, central. Yields fair. Many fields burning from very hot temperatures. Most harvest operations complete south, Upper Coast. Turning color 61%, 49% 1985, 42% avg. Mature 56%, 46% 1985, 50% avg. Harvested 44%, 36% 1985, 41% avg. Cotton fields Plains good, irrigated fields better. Dryland fields need moisture. Later fields better condition than early planted ones. Some fields beginning wilt because hot temperatures. Bollworm problems exist, not critical levels. Some plants Blacklands shedding bolls. Cotton continued open region, central, south. Harvest full swing Coastal Bend, Rio Grande Valley. Harvest begin soon south. Open bolls 8%, 7% 1985, 7% avg. Harvested 4%, 2% 1985, 2% avg. Rice fields maturing rapidly, harvesting good pace Upper Coast. Turning color 81%, 34% 1985, 74% avg. Peanuts good progress irrigated fields. Some burning occurred despite steady irrigation. Central later, dryland fields need rain. Soybeans good irrigated fields Plains. Fields Upper Coast suffering from dry, hot weather. Yields could be reduced.

Other Field Crops: Oats 100% harvested, 100% 1985, 100% avg.

Commercial Vegetables: Rio Grande Valley, bell peppers up to stands. Tomato transplants set out. Other land preparation fall crops occurring. East, harvest peas, watermelons continued. Hot temperatures causing some quality reduction. High Plains, onion harvest winding down. Harvest potatoes, cucumbers, sweet corn continued. Other vegetables good progress. Trans-Pecos cantaloup harvest continued. Harvest tomatoes began soon. Pecan trees beginning suffer from extreme heat, some nut drop occurring. Aphid problems high many areas. Spraying shuckworms central.

Range and Livestock: Ranges, pastures suffer under hot, dry conditions. Haymaking slowing as regrowth pastures slowed. Many grasses drying, pasture, range fire possibilities increased. Livestock beginning suffer from heat, weight gains slowed. Internal parasites continued plague sheep, goats.

UTAH: Temperatures 2 to 4° below normal. Precipitation light to moderate.

Days suitable fieldwork 6.5. Topsoil moisture 43% short, 57% adequate. Crop progress 3 to 5 days ahead of normal. Winter wheat 98% ripe, 91% 1985, 82% avg.; 40% harvested, 33% 1985, 26% avg.; barley 79% ripe, 86% 1985, 70% avg.; 39% harvested, 35% 1985, 26% avg.; spring wheat 73% ripe, 73% 1985, 55% avg.; 19% harvested, 15% 1985, 10% avg.; oats 32% ripe, 55% 1985, 37% avg.; 10% harvested 7%

1985, 7% avg.; corn 62 in. high, 73 in. 1985, 71 in. avg.; 58% tasseled, 71% 1985, 44% avg. Alfalfa 2nd cutting 72% complete, 71% 1985, 56% avg. Expected yield winter wheat, spring wheat, oats, barley normal. Ranges dry, need rain. Livestock good.

VIRGINIA: Scattered showers during first half of period. Average rainfall 0.60 in. Temperature 2° above normal.

Days suitable for fieldwork 5.1. Soil moisture 91% short, 9% adequate. Thunderstorms improved crops in scattered localities. Corn very poor; 84% silked, 84% 1985, 86% avg. Soybeans poor; 43% blooming, 44% 1985, 42% avg.; 15% setting pods, 21% 1985, 16% avg. Peanuts good to excellent, progressing normally. Flue-cured tobacco harvest 5% complete, 6% 1985, 15% avg. Tobacco being irrigated where possible. Peach harvest 55% complete, 49% 1985, 44% avg. Apple harvest 18% complete, 9% 1985, 6% avg. Thunderstorms helping size fruit. Potato harvest approaching 100% complete. Pasture, hayland still very poor, although rain improved some areas. Farmers feeding hay, selling livestock. Counties applying for drought assistance.

WASHINGTON: Cool temperatures prevailed, 1 to 8° below normal. Minimal precipitation.

Days suitable for fieldwork 7.0. Soil moisture 35% short, 65% adequate. Winter wheat, barley mostly good to fair. Potatoes mostly good. Blueberry harvest continued, northwest. Peach, apricot harvests full swing; Yakima, Wenatchee Valleys. Hay supplies adequate. Range, pasture 20% short, 80% adequate.

WEST VIRGINIA: Temperatures averaged below normal except northeast averaged above normal. Temperature extremes 94° Wheeling, Williamson, Ripley, 46° Green Bank. Average temperature 72°. Precipitation well below normal. Greatest amount 1.20 in. Morgantown. Average rainfall 0.17 in.

Days suitable for fieldwork 5.5. Soil moisture 28% very short, 26% short, 44% adequate, 2% surplus. Feed supplies 49% short, 47% adequate, 4% surplus.

WISCONSIN: Temperatures averaged 69°, 2° below normal, low 47°, high 87°. Rainfall 0.10 to 0.80 in. Scattered showers slowed harvest activities.

Days suitable for fieldwork 4.9. Soil moisture 8% short, 71% adequate, 21% surplus. Crops 1% very poor, 1% poor, 3% fair, 74% good, 21% excellent. Corn 5% fair, 48% good, 47% excellent. Another good week for growing. Corn silked 85%, 62% 1985, 61% avg. Corn in dough 12%, 11% 1985, 11% avg. Second cutting hay 67%, 74% 1985, 58% avg. Yields, quality mostly above average. Third cutting just started. Leafhoppers caused damage southwest, south central. Oats 30% harvested, 37% 1985, 23% avg. Winter wheat 75% harvested, 78% 1985, 50% avg. Yields very good except parts south central. Pickle harvest underway.

WYOMING: Temperatures near normal. Rainfall generally below normal.

Days suitable for fieldwork 7.0. Topsoil moisture 49% short, 49% adequate, 2% surplus. Winter wheat turning color 5%; mature 30%, 25% 1985; harvested 65%, 75% 1985, 40% avg. Barley headed 10%, 10% 1985; turning color 25%, 25% 1985; mature 40%, 50% 1985; harvested 25%, 15% 1985, 10% avg. Spring wheat headed 10%, 10% 1985; turning color 35%, 30% 1985, 50% avg.; mature 30%, 35% 1985, 25% avg.; harvested 25%, 25% 1985, 10% avg. Oats headed 10%, 20% 1985; turning color 45%, 30% 1985, 45% avg.; mature 30%, 35% 1985, 25% avg.; harvested 15%, 15% 1985, 5% avg. Potatoes in bloom 80%, 95% 1985, 80% avg. Dry beans in bloom 70%, 60% 1985, 80% avg.; setting pods 55%, 60% 1985. Corn tasseled 70%, 65% 1985, 55% avg.; silked 30%, 50% 1985. Fall crop prospects good to excellent. Alfalfa second cut complete 25%, 20% 1985, 15% avg. Other hays harvested 70%, 70% 1985, 60% avg. Livestock mostly good. Fall, winter grazing prospects 5% poor, 25% fair, 65% good, 5% excellent.

International Weather and Crop Summary

July 27 to August 2, 1986

MONTHLY DATA FROM SELECTED FOREIGN CITIES
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA

*** = DATA NOT AVAILABLE

JULY 1986

HIGHLIGHTS:

UNITED STATES ... Extreme heat stifles crop growth in the Delta, the lower Appalachian States, the central Great Plains, and the Southeast. Adequate moisture pushes crop development ahead of normal in the Corn Belt and northern Plains.

U.S.S.R. ... In Western USSR, light showers in the south ease persistent dryness and stabilize crop conditions for corn in the filling stage. Harvest weather in the north and east is mostly favorable. In the New Lands, weather conditions in central and northern areas continue favorable for spring grains.

EUROPE ... Chronic dryness in southwestern France stresses corn in the filling stage. Harvest weather is mostly favorable throughout the region.

SOUTH ASIA ... Monsoon rain benefits cotton and groundnuts in the northwest, but dry weather continues in much of the south. Heavy monsoon showers continue over central India.

EASTERN ASIA ... Moderate to heavy rain covers crops in the North China Plain and the Manchurian Valley. Dry weather in the south aids early rice harvesting, but rain is needed for late double cropped rice approaching the heading stage.

MEXICO ... Showers cover parts of the Southern Plateau Corn Belt. Dry weather in north-central areas favors cotton maturation.

CANADA ... Beneficial showers continue throughout the Prairie grain belt, favoring crop development.

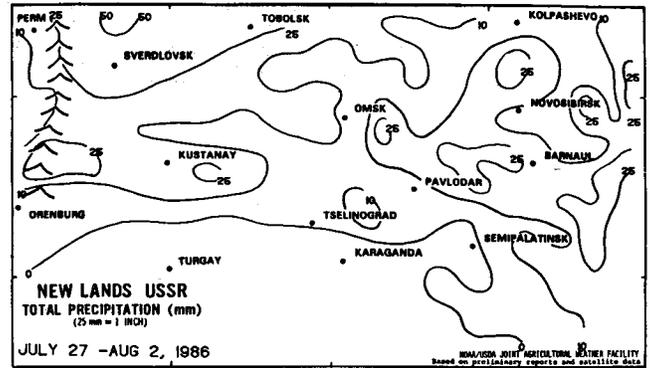
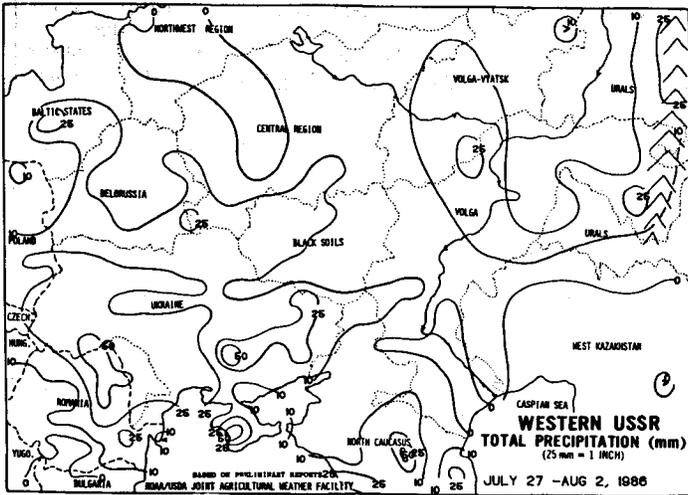
SOUTHEAST ASIA ... Dry weather covers grain-filling corn and upland rice regions of Thailand. Tropical Storm Sarah brings heavy rain to the northern Philippines.

SOUTH AMERICA ... In Argentina, light showers in extreme southern Buenos Aires moisten topsoils for wheat planting. In Brazil, dry weather returns to wheat areas in Rio Grande do Sul, but moisture is adequate for vegetative growth.

AUSTRALIA ... Rain in Queensland and New South Wales benefits late planting and establishment of wheat.

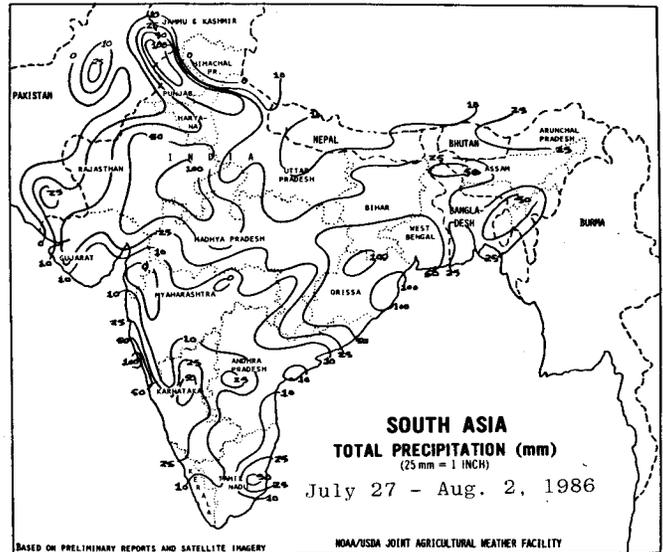
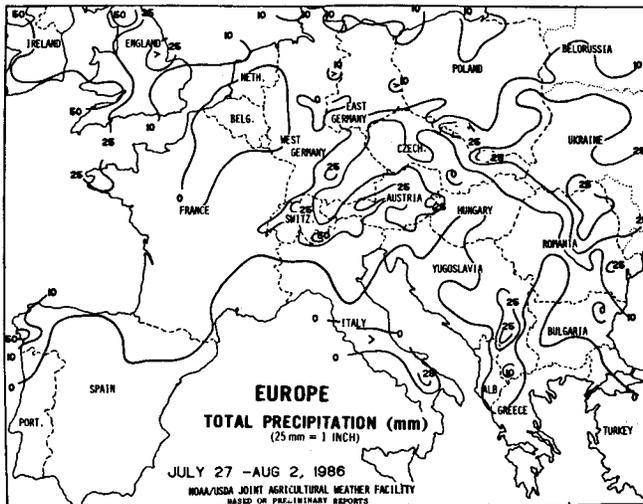
COUNTRY CITY	TEMPERATURE (C)					PRECIPITATION (MM)		
	AVG	AVG	HI	LO	DPART	TOTAL	DPART	
	MAX	MIN	MAX	MIN	AVG F/NRM			
NORWAY OSLO	21	11	30	6	16	0.5	36.5	-56.0
SWEDEN STOCKHOLM	21	13	27	8	17	0.2	89.0	19.1
FINLND HELSINKI	22	12	26	7	17	0.4	105.0	33.3
U KING GLASGOW	18	10	23	4	14	-1.6	82.8	0.0
EDINBURGH	19	10	24	3	14	-0.1	68.0	3.5
BIRMINGHAM	21	12	29	6	16	0.5	36.4	-16.0
LONDON	22	12	28	7	17	0.9	42.6	-6.2
IRELND DUBLIN	18	12	25	7	15	0.0	59.8	0.5
ICELND REYKJAVIK	13	8	18	4	11	-0.2	36.2	-11.4
DENMRK COPENHAGEN	21	13	30	8	17	-0.8	89.8	18.7
LUXEMB LUXEMBOURG	21	13	29	8	17	-0.2	59.8	-6.4
SWITZL ZURICH	23	13	29	9	18	0.4	88.1	-42.3
GENEVA	27	13	34	7	20	1.0	58.1	-10.3
FRANCE PARIS	24	12	30	6	18	-0.1	17.3	-33.3
STRASBOURG	25	13	33	7	19	0.2	71.1	10.1
BOURGES	26	13	32	8	20	0.6	14.6	-36.2
BORDEAUX	27	14	35	10	21	1.4	5.4	-48.8
TOULOUSE	28	15	37	11	22	1.1	3.4	-44.0
MARSEILLE	29	18	33	14	24	0.3	0.1	-14.2
SPAIN VALLADOLID	32	13	36	9	23	1.6	0.0	-17.0
MADRID	34	16	39	12	25	0.3	5.0	-2.1
SEVILLE	37	19	41	16	28	1.4	0.2	-0.6
E GRMY LEIPZIG	23	13	32	8	18	0.4	53.6	-9.4
DRESDEN	24	14	32	9	19	0.7	60.2	-48.8
W GRMY HAMBURG	22	13	33	8	17	0.8	68.3	-18.4
BERLIN	24	15	33	10	19	0.4	42.8	-17.9
DUSSELDORF	24	14	32	7	19	0.7	37.7	-37.2
STUTTGART	23	12	31	7	17	-0.3	91.2	13.1
NURNBERG	23	12	32	6	18	-0.1	53.0	-17.0
MUNICH	22	11	31	6	17	-0.5	97.3	-28.2
AUSTRI VIENNA	25	14	32	10	19	-0.9	11.1	-58.0
INNSBRUCK	24	12	31	5	18	0.0	93.3	-41.6
CZECH PRAGUE	23	11	32	5	17	-0.4	42.2	-29.6
POLAND WARSAW	23	12	32	8	18	-0.4	46.9	-29.2
LODZ	23	12	33	8	18	-0.2	54.2	-36.7
KATOWICE	23	11	32	-1	17	-0.9	88.1	-5.9
PRZEMYSL	22	13	30	8	17	-0.5	88.7	-10.4
HUNGAR BUDAPEST	26	15	32	10	20	-0.4	20.1	-47.4
YUGOSL SARAJEVO	23	12	31	8	17	-1.5	89.2	14.3
ROMANI BUCHAREST	27	15	32	8	21	-1.4	53.2	-11.7
BULGAR SOFIA	24	14	30	10	19	-0.2	81.8	19.3
ITALY MILAN	28	18	33	13	23	0.0	21.3	-41.1
VERONA	28	18	32	13	23	0.2	120.2	60.3
VENICE	27	17	31	14	22	-0.7	40.0	-27.3
GENOA	28	21	31	13	24	0.0	58.1	30.4
ROME	28	18	32	15	23	-0.7	90.2	77.4
NAPLES	31	19	36	16	25	1.9	108.0	86.7
GREECE THESSALONIKA	30	19	34	15	25	-2.2	3.0	-22.0
LARISSA	32	18	40	14	25	-2.6	5.8	-12.9
ATHENS	31	23	35	20	27	-1.3	0.0	-1.8
TURKEY ISTANBUL	28	19	32	16	24	0.6	2.3	-18.7
ANKARA	30	13	34	5	21	-2.4	0.2	-19.8
CYPRUS LARNACA	31	21	35	18	26	-1.2	0.0	-1.0
USSR TALLINN	22	12	27	8	17	0.6	73.7	-3.4
LENINGRAD	23	15	28	9	19	1.1	90.1	13.3
KAUNAS	22	12	30	7	17	-0.2	112.5	39.9
MINSK	23	13	32	9	18	0.3	93.8	14.0
KAZAN	22	12	29	5	17	-2.1	43.8	-22.0
MOSCOW	23	13	31	6	18	-0.3	92.9	7.8
SVERDLOVSK	21	11	30	4	16	-2.1	64.9	-19.1
OMSK	23	14	33	4	18	-1.1	25.5	-39.9
KUSTANAY	25	14	35	7	20	-1.0	75.7	28.0
KRASNOYARSK	26	13	32	-2	20	1.4	27.9	-48.2
NOVOSIBIRSK	25	15	31	8	20	1.1	39.5	-18.9
BARNAUL	26	15	32	8	21	0.5	50.4	-10.5
KHABAROVSK	27	16	32	10	22	0.8	177.5	60.6
VLADIVOSTOK	17	13	26	9	15	-2.3	190.4	66.7
KIEV	24	13	31	8	19	-1.2	91.3	11.6
LVOV	22	12	30	6	17	-1.0	58.4	-39.0
KIROVOGRAD	26	14	32	10	20	-1.5	72.7	11.4

COUNTRY	CITY	TEMPERATURE (C)					PRECIPITATION (MM)		DPART F/NRM	DPART F/NRM
		AVG MAX	AVG MIN	HI MAX	LO MIN	DPART AVG	TOTAL			
GABON	LIBREVILLE	26	21	29	19	24	-0.2	4.7	3.5	
TOGO	LOME	28	22	33	19	25	-0.1	27.5	-73.0	
B FASO	OUAGADOUGOU	31	23	35	20	27	-0.2	170.7	-19.3	
IVRY C	ABIDJAN	28	23	30	21	26	0.5	132.4	-179.7	
MOZAMB	MAPUTO	26	14	33	11	20	1.3	1.1	-18.0	
ZAMBIA	KABWE	23	8	29	1	16	0.1	0.0	0.0	
ZIMBAB	HARARE	21	7	26	4	14	0.9	0.0	-1.4	
S AFRI	PRETORIA	21	6	24	3	13	2.1	0.0	-5.9	
	KROONSTAD	19	-1	24	-5	9	0.9	0.0	-8.9	
	JOHANNESBURG	18	5	22	1	12	1.8	0.0	-6.9	
	BETHAL	18	2	21	-4	10	1.6	0.0	-7.9	
	DURBAN	23	11	26	7	17	0.9	0.3	-33.8	
	CAPE TOWN	17	8	25	1	13	0.8	106.1	33.1	
CANADA	TORONTO	26	16	34	8	21	0.5	122.7	51.3	
	MONTREAL	25	15	32	9	20	-1.3	93.5	3.5	
	WINNIPEG	25	14	31	9	20	-0.1	118.2	42.2	
	REGINA	24	12	30	8	18	-1.0	76.8	23.5	
	SASKATOON	23	11	33	4	17	-1.9	119.9	66.8	
	LETHBRIDGE	24	9	31	4	17	-2.0	12.5	-31.1	
	CALGARY	20	9	26	4	15	-1.8	93.2	27.8	
	EDMONTON	20	11	27	8	16	-1.5	124.1	35.2	
	VANCOUVER	20	12	25	8	16	-1.2	46.5	14.4	
MEXICO	GUADALAJARA	26	16	29	14	21	-0.4	53.2	-203.9	
	MEXICO CITY	23	12	28	9	17	0.4	22.5	-102.7	
	ACAPULCO	33	24	36	20	29	0.2	14.7	-219.8	
BERMUD	ST. GEORGES	29	25	31	22	27	0.4	139.5	31.2	
BAHAMA	NASSAU	32	24	34	19	28	0.2	96.6	-60.0	
CUBA	HAVANA	31	25	34	22	28	0.8	22.6	-82.4	
JAMAIC	KINGSTON	33	25	35	21	29	0.5	4.0	-37.6	
P RICO	SAN JUAN	31	24	33	22	28	0.0	30.5	-93.2	
GUADEL	RAIZET	31	24	32	21	27	0.4	36.8	-68.3	
MARTINQ	LAMENTIN	31	25	32	22	28	1.8	32.6	-188.5	
BARBAD	BRIDGETOWN	29	26	31	24	28	0.4	43.2	-86.7	
TRINID	PORT OF SPAIN	31	23	33	21	27	1.0	76.5	-183.0	
COLOMB	BOGOTA	17	8	29	0	12	-0.6	52.0	14.7	
VENEZU	CARACAS	31	24	39	23	28	1.2	1.8	-56.8	
F GUIA	CAYENNE	30	22	32	20	26	0.8	178.6	-81.6	
BRAZIL	FORTALEZA	29	22	31	18	25	-0.7	26.6	-70.3	
	RECIFE	27	21	28	19	24	0.0	330.2	26.0	
	BELO HORIZONTE	24	14	28	10	19	0.6	27.1	-24.8	
	CAMPO GRANDE	26	14	32	9	20	0.9	32.4	-3.7	
	FRANCA	22	12	27	7	17	-0.5	73.6	57.6	
	RIO DE JANEIRO	24	18	30	16	21	0.0	114.8	67.6	
	LONDRINA	24	11	29	8	18	1.0	32.0	-31.3	
	SANTA MARIA	20	10	28	1	15	0.8	97.0	-46.0	
	PORTO ALEGRE	20	11	28	5	16	1.6	102.0	-26.0	
PERU	LIMA	18	15	20	12	17	0.3	0.0	-1.3	
BOLIVI	LA PAZ	11	-4	15	-9	4	-3.4	3.0	-5.9	
CHILE	SANTIAGO	16	3	24	-1	10	1.4	0.4	-66.5	
ARGENT	IGUAZU	22	12	26	6	17	****	60.8	*****	
	FORMOSA	21	13	28	5	17	0.6	41.9	-6.1	
	CERES	19	9	27	2	14	1.5	55.0	37.1	
	CORDOBA	19	8	29	1	13	2.9	22.7	15.0	
	RIO CUARTO	17	7	24	2	12	2.6	12.1	2.3	
	ROSARIO	16	8	24	0	12	1.7	1.8	-37.8	
	BUENOS AIRES	16	7	24	0	11	1.5	16.7	-48.7	
	SANTA ROSA	15	4	22	-2	10	2.4	0.0	-17.8	
	TRES ARROYOS	13	5	18	-5	9	1.8	6.4	-45.5	
MIDW I	MIDWAY ISLAND	29	24	30	22	27	1.0	90.8	-42.3	
N CALD	NOUMEA	23	17	25	15	20	0.0	36.9	-46.2	
FIJI	NAUSORI	24	19	27	14	22	-1.1	21.4	-102.6	
SAMOA	PAGO PAGO	28	24	30	21	26	0.4	223.6	69.9	
TAHITI	PAPEETE	29	22	31	20	26	1.2	35.6	-20.1	
N ZEAL	AUCKLAND	13	6	17	2	10	-1.0	137.6	5.7	
	WELLINGTON	11	5	14	1	8	-0.5	136.5	-6.1	
PA N G	PORT MORESBY	28	24	30	20	26	0.2	5.0	-17.1	
AUSTRAL	DARWIN	29	22	33	18	26	1.1	5.0	3.4	
	MOREE	16	7	23	0	11	0.8	92.0	55.1	
	BRISBANE	20	11	24	6	16	0.6	43.0	-17.5	
	PERTH	16	6	18	2	11	-2.1	143.5	-24.0	
	CEDUNA	15	8	20	4	12	0.0	80.4	40.6	
	ADELAIDE	14	8	19	2	11	-0.2	109.0	45.2	
	MELBOURNE	12	6	16	2	9	-0.1	60.4	18.1	
	WAGGA	11	4	15	-3	8	0.5	97.8	49.0	
	CANBERRA	10	1	14	-6	5	0.0	88.0	48.0	
INDONE	JAKARTA	31	23	33	21	27	0.1	60.2	19.1	
PHILIP	MANILA	31	24	33	23	27	-0.4	359.3	22.4	
USSR	ODESSA	27	16	32	10	22	-0.2	49.3	1.7	
	YALTA	27	19	31	16	23	-1.0	6.0	-42.0	
	VORONEZH	25	12	31	-16	19	-1.1	35.7	-32.2	
	SARATOV	26	16	34	10	21	0.3	15.7	-30.5	
	KHARKOV	25	15	30	10	20	-1.1	37.2	-21.6	
	VOLGOGRAD	29	16	35	13	23	-1.4	9.7	-17.5	
	ROSTOV	28	18	33	14	23	-0.5	27.2	-26.4	
	ASTRAKHAN	31	20	36	17	26	0.4	25.7	3.9	
	KRASNODAR	30	17	35	12	24	0.1	14.0	-31.8	
	ORENBURG	26	13	33	6	20	-2.1	10.1	-29.9	
	TSELINOGRAD	26	15	36	7	20	0.4	19.7	-30.7	
	KARAGANDA	28	14	36	1	21	0.4	20.0	-23.2	
	TBILISI	31	20	37	16	26	1.0	15.8	-29.3	
	TASHKENT	36	19	41	13	28	0.5	4.4	0.4	
	ASHKHBAD	38	22	43	17	30	-0.6	8.0	7.0	
SYRIA	DAMASCUS	37	17	41	13	27	0.2	2.7	2.7	
ISRAEL	JERUSALEM	29	17	33	14	23	-0.4	0.0	0.0	
PAKIST	KARACHI	32	27	35	25	30	-0.5	0.0	-99.8	
INDIA	AMRITSAR	34	25	38	21	30	-1.1	180.3	-4.1	
	NEW DELHI	34	27	39	20	31	-0.5	42.0	-192.8	
	AHMEDABAD	33	26	36	20	30	-0.1	54.0	-212.8	
	INDORE	29	22	35	20	26	-0.6	362.3	77.3	
	CALCUTTA	32	26	36	24	29	0.0	414.4	92.8	
	VERAVAL	30	27	32	25	28	0.2	13.0	-287.5	
	BOMBAY	31	26	39	24	28	1.1	306.4	-639.0	
	POONA	28	22	31	21	25	-0.3	64.5	-128.8	
	BEGAMPET	31	23	39	20	27	0.7	108.0	-55.2	
	MADRAS	37	28	39	25	32	1.7	100.5	-19.2	
	MANGALORE	29	24	32	22	26	0.3	543.2	-515.7	
H KONG	HONG KONG	31	27	35	24	29	0.4	558.2	241.7	
N KREA	PYONGYANG	25	17	30	11	21	-2.6	361.9	-35.1	
S KREA	SEOUL	27	21	32	15	24	-0.5	361.1	3.2	
JAPAN	SAPPORO	23	16	34	11	19	-1.1	67.5	-12.7	
	NAGOYA	29	22	34	18	26	-0.1	330.0	111.8	
	TOKYO	27	22	33	17	24	-0.9	142.5	17.9	
	YOKOHAMA	27	21	33	16	24	-0.4	68.6	-72.3	
	KYOTO	30	23	37	17	26	0.1	400.7	150.6	
	OSAKA	31	24	35	18	27	0.1	129.0	-63.4	
THAILN	PHETCHABUN	32	24	36	23	28	0.4	155.3	-42.8	
	BANGK. K	32	25	36	22	29	0.1	154.2	-18.7	
MALAYS	KUALA LUMPUR	32	23	34	21	27	0.8	99.8	-30.1	
VIETNM	HANOI	33	27	38	24	30	0.7	254.6	-68.0	
CHINA	HARBIN	27	18	30	13	22	-0.8	44.9	-115.8	
	HAMI	36	20	43	15	28	1.7	3.6	-2.9	
	LANCHOW	28	16	35	12	22	-0.7	42.3	-21.6	
	BEIJING	29	21	33	18	25	-0.7	63.1	-129.8	
	TIENTSIN	30	23	34	15	26	-0.2	20.7	-169.2	
	LHASA	24	11	29	7	17	1.1	59.5	-78.3	
	KUNMING	23	17	32	15	20	0.0	364.9	152.6	
	CHENGCHOW	33	23	41	18	28	0.1	50.7	-103.7	
	YEHCHANG	30	24	36	20	27	-1.3	240.0	19.3	
	HANKOW	31	24	35	14	28	-1.3	231.9	75.8	
	CHUNGKING	31	24	36	22	28	-0.3	413.1	263.0	
	CHIHKIANG	31	23	34	20	27	-0.5	318.1	170.3	
	SHANGHAI	31	25	36	21	28	0.2	56.9	-77.4	
	NANCHANG	33	26	38	20	29	-0.3	125.4	-0.6	
	TAIPEI	33	26	36	23	30	1.5	153.7	-80.2	
	CANTON	33	25	39	20	29	0.6	231.2	18.1	
	NANNING	32	26	37	23	29	0.6	381.7	186.5	
CNRY I	LAS PALMAS	25	20	28	17	23	-0.7	0.0	0.0	
MOROCC	CASABLANCA	26	20	31	16	23	0.5	0.0	0.0	
	MARRAKECH	37	21	44	16	29	1.5	0.0	-0.7	
ALGERI	ALGER	31	18	43	13	24	0.1	45.1	43.3	
	BATNA	32	16	37	9	24	-0.9	0.7	-6.4	
TUNISI	TUNIS	32	20	43	17	26	0.2	9.1	5.3	
NIGER	NIAMEY	34	25	39	20	29	0.7	98.2	-63.7	
MALI	TIMBUKTU	38	27	42	21	32	0.7	80.0	21.5	
	BAMAKO	31	23	36	20	27	0.4	113.7	-127.4	
MAURIT	NOUAKHOTT	30	23	45	21	27	-0.7	0.0		



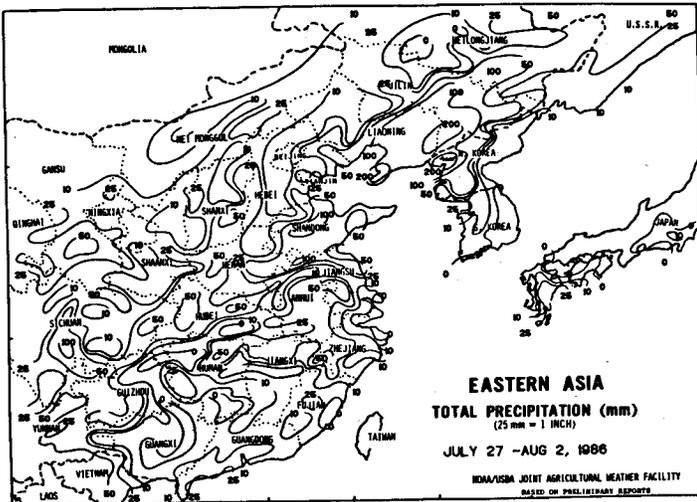
U.S.S.R. ... In Western U.S.S.R., the first significant rainfall since May covered crop areas in Moldavia and the southern Ukraine. Rainfall in Moldavia ranged from 27 to 42mm while rainfall in the southern Ukraine ranged from 14 to 29mm. The rain improved moisture conditions for corn in the filling stage but may have caused some delays in winter and spring grain harvesting. Dry weather continued over the North Caucasus and the Volga, aiding harvesting. However, corn in the North Caucasus could still benefit from showers. Elsewhere, dry weather spread eastward from Belorussia, through the Central and Black Soils Regions, favoring crop maturation and aiding harvest activity.

In the New Lands, widespread showers (10-42mm) continued over the northern two-thirds of the region. Crop areas from Orenburg eastward through Tselinograd and Semipalatinsk remained dry. Spring grains are probably maturing in the southern Urals, grain filling in the central Urals and Kazakhstan, and flowering and grain forming in Western Siberia and Eastern Siberia.

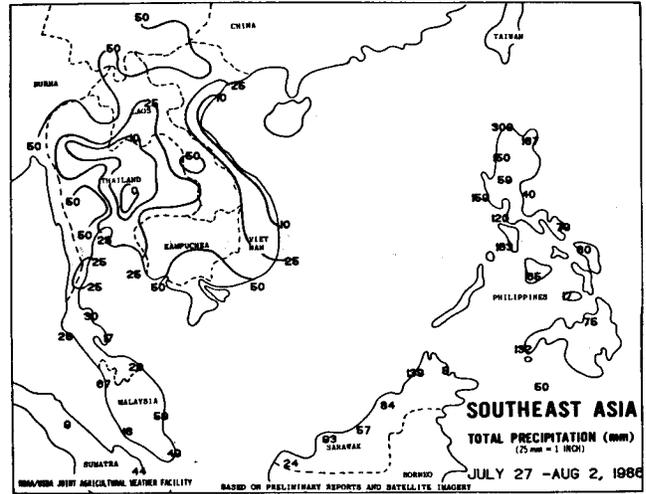


EUROPE ... Dry weather in southwestern France continued to stress corn in the filling stage. Dry weather over England, northern France, and much of northern Europe favored crop maturation and aided harvesting. Late-week showers in southern Poland, eastern Czechoslovakia, and northern Romania may have caused some harvest delays. Mostly dry weather covered southern Romania, eastern Hungary, and northern Bulgaria. The dry weather in these areas aided winter grain harvesting, but corn would benefit from additional rain. Seasonally dry weather returned to Mediterranean crop areas in Spain and Italy.

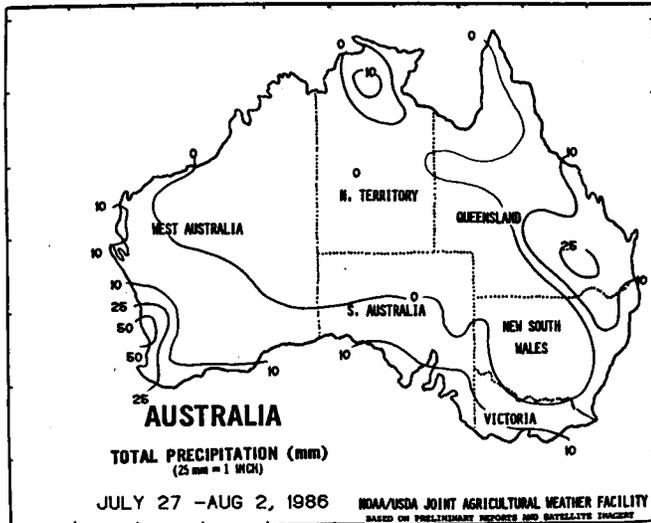
SOUTH ASIA ... Beneficial monsoon showers (10 to 50mm) fell in areas of the drought-stricken northwest, aiding rice and promoting late cotton and groundnut planting and establishment. Crop areas of Gujarat, Rajasthan, and Pakistan received significant rain for the first time since late June. Beneficial rain (25 to 78mm) extended into central Karnataka from the southwest. However, minimal rain (less than 10mm) covered drought-stricken Maharashtra, Andhra Pradesh, and Tamil Nadu in the south. Moderate to heavy monsoon showers (25 to over 150mm) continued in central India, benefiting vegetative rice, cotton, and groundnuts but possibly causing local flooding. Coverage extended from Orissa and West Bengal to Punjab, but much of Uttar Pradesh received only minimal amounts (less than 10mm). Mostly light rainfall (less than 25mm) covered the eastern states.



EASTERN ASIA ... A cold front moved slowly southward over the North China Plain, producing moderate to heavy rain in Shanxi, Henan, Shandong, the Manchurian Valley, and North Korea. Moderate rain (32 to 66mm) in northern Henan and southern Shanxi was the first significant moisture since early May, benefiting late corn, late soybeans, and cotton in the reproductive stage. Heavy rain (100 to 200mm) in central Shandong and parts of the Manchurian Valley may have damaged corn, cotton, and soybeans. Light to moderate rain in the Yangtze Valley benefited intermediate rice. In southern China, dry weather aided early rice harvesting, but rain is needed for late double cropped rice nearing the heading stage. In Japan, dry weather covered most crop areas.



SOUTHEAST ASIA ... Minimal rain (less than 25mm) fell in crop areas of central and eastern Thailand, where moisture is limited for grain-filling corn and rainfed rice. Dry weather in these regions may have also hindered replanting of sugarcane. Heavier rainfall (25 to 60mm) benefited rainfed rice in the north and northeast. Moderate rain (25 to 65mm) fell in Kampuchea, Laos, and northern and southern Vietnam. Coastal Vietnam remained dry. Heavy showers (greater than 150mm) from Tropical Storm Sarah covered northern Luzon. However, rainfall and wind speeds were less than those of Typhoon Peggy. Scattered, tropical showers covered the southern islands.

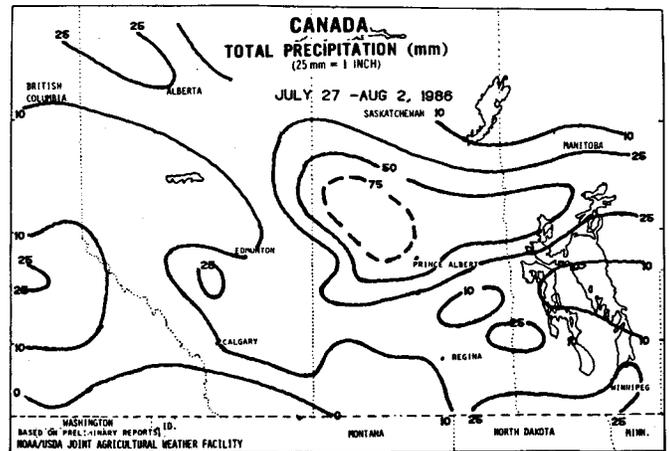


AUSTRALIA ... Beneficial rain (10 to 35mm) covered crop areas in southeastern Queensland and northeastern New South Wales, bringing much needed relief to wheat in the early vegetative stage. Dry weather returned to southern New South Wales. However, rain in recent weeks had been sufficient for completion of planting in most of the state. Rain is still needed to improve grain and pastoral conditions in eastern Australia. Light rain (less than 10mm) fell in wheat regions of Victoria, South Australia, and Western Australia with heavier rainfall (greater than 10mm) in coastal areas. Soil moisture remains adequate in the western and southern wheat belts for vegetative growth.



SOUTH AMERICA ... In Argentina, wheat planting continued over the region. Light showers (1 to 17mm) in extreme southern Buenos Aires moistened topsoils for planting. Mostly dry weather aided wheat planting in southern Santa Fe, eastern Cordoba, and northern Buenos Aires. Soaking rain is needed throughout Argentine wheat areas for seed emergence and plant establishment. In Brazil, generally dry weather covered wheat areas in Rio Grande do Sul, but moisture is adequate for wheat in the vegetative stage. Some rain fell over northwestern Parana extending in Mato Grosso do Sul, benefiting wheat. Dry weather returned to Minas Gerais coffee areas, aiding the harvest. Rain is needed in upcoming weeks as coffee normally enters the flowering stage.

MAP DATA NOT AVAILABLE

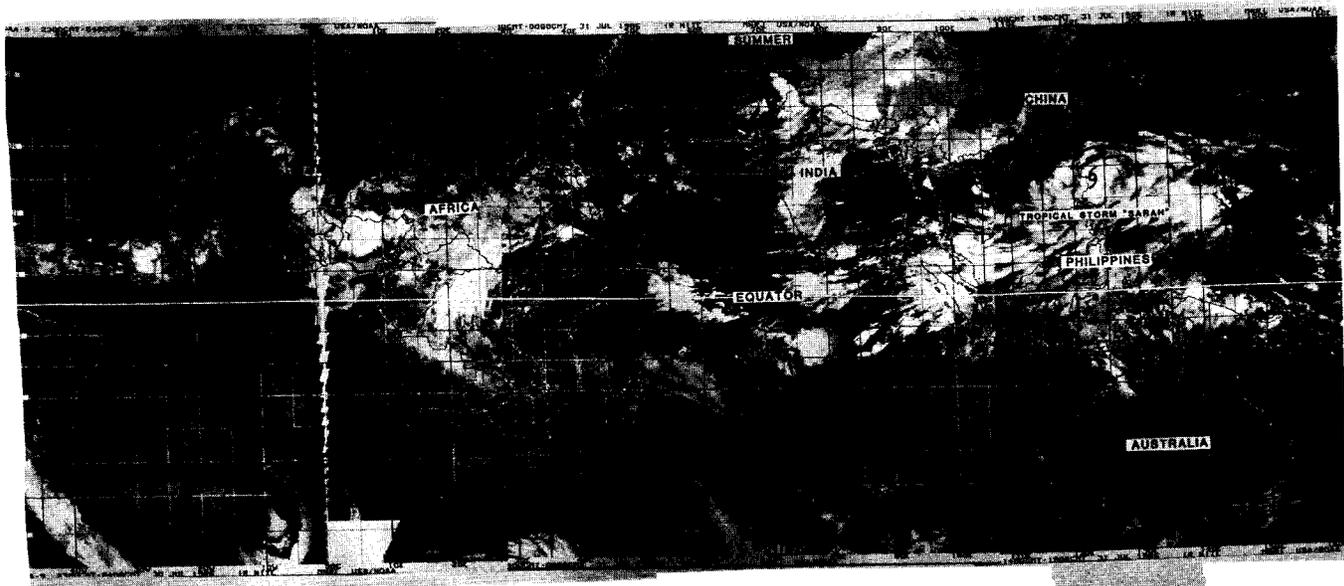
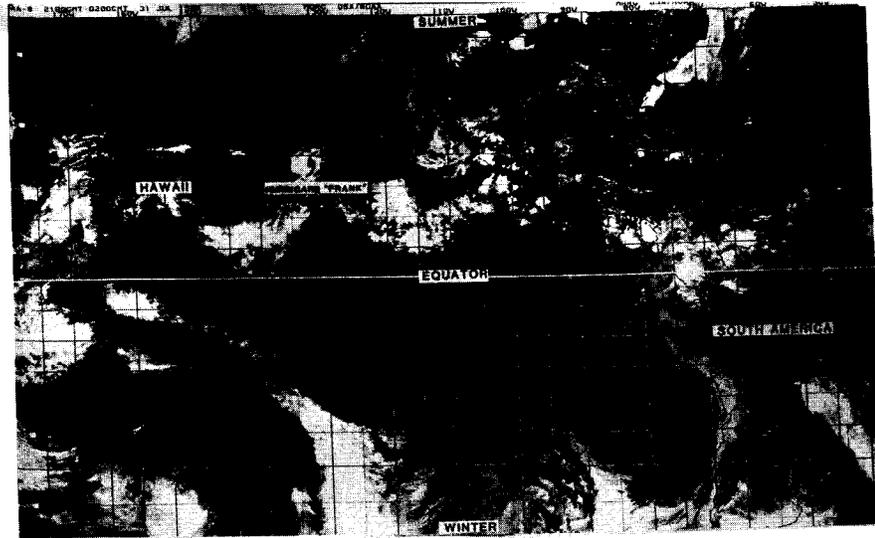


MEXICO ... Satellite data suggest that light to moderate showers fell over northern and western portions of the Southern Plateau Corn Belt. Localized rain fell in the northwestern mountain watersheds. Mostly dry weather covered north-central cotton, aiding crop maturation. Dry weather in the northeast favored grain and vegetable harvesting.

CANADA ... Light to moderate rain (5 to 25mm) covered most of the Prairie grain belt. Heavier amounts (25 to over 50mm) fell in central Saskatchewan, and Central and southern Manitoba. Persistent rain caused some crop lodging in central Alberta. Spring wheat, mostly in the filling stage was good to excellent. Oilseeds were flowering to podding. Weekly temperatures averaged 1 to 3 degrees C below normal throughout the Prairie Provinces. While moisture is adequate, the cool weather slowed crop development. The risk of frost increases toward the end of August. Soil moisture is limited in southwestern Alberta.

Global Weather Satellite Image

JULY 31, 1986



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(Continued from p. 13)

PASTURES AND LIVESTOCK: Pastures were mostly dry in the Southeast and began drying out in the Delta, in the Corn Belt, and the central Plains. Heat stressed livestock from the central Plains to the Southeast.

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