

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

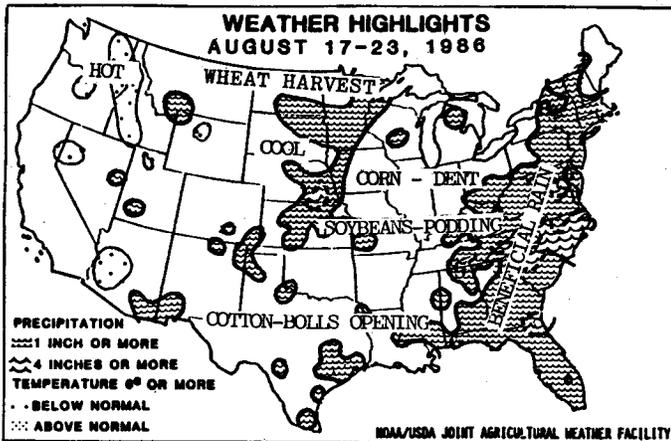
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Aug. 26, 1986

National Weather Summary

August 17 to 23, 1986



TUESDAY...Moderate to heavy thunderstorms reached from southern Virginia through the Carolinas with light storms throughout the Southeast. Showers and thunderstorms were scattered from the central Rockies and Plateau to the upper Mississippi Valley. It was somewhat cooler in the Northwest, but high temperatures rose over 100 degrees all along the High Plains.

WEDNESDAY...Moderate to heavy showers covered most of the East Coast States from New Jersey to central Georgia. Thunderstorms were widespread from the central Plateau through the central Rockies. Moderate to heavy storms reached from the Texas Panhandle to the upper Mississippi Valley. Much cooler weather pushed through the northern Plains.

THURSDAY...Thunderstorms were widespread all along the gulf coast, through the East Coast States, the Plains, the Rockies, and over the central Plateau. Low temperatures were in the forties in the northern Plains and rather mild over most of the Nation.

FRIDAY...Thunderstorms continued along the gulf coast and produced isolated moderate showers. Light, occasionally moderate showers fell in the central and southern Plains, the southern Rockies, and in the Intermountain region from Utah to eastern Washington and Oregon. Heavier showers and thunderstorms covered the Great Lakes region.

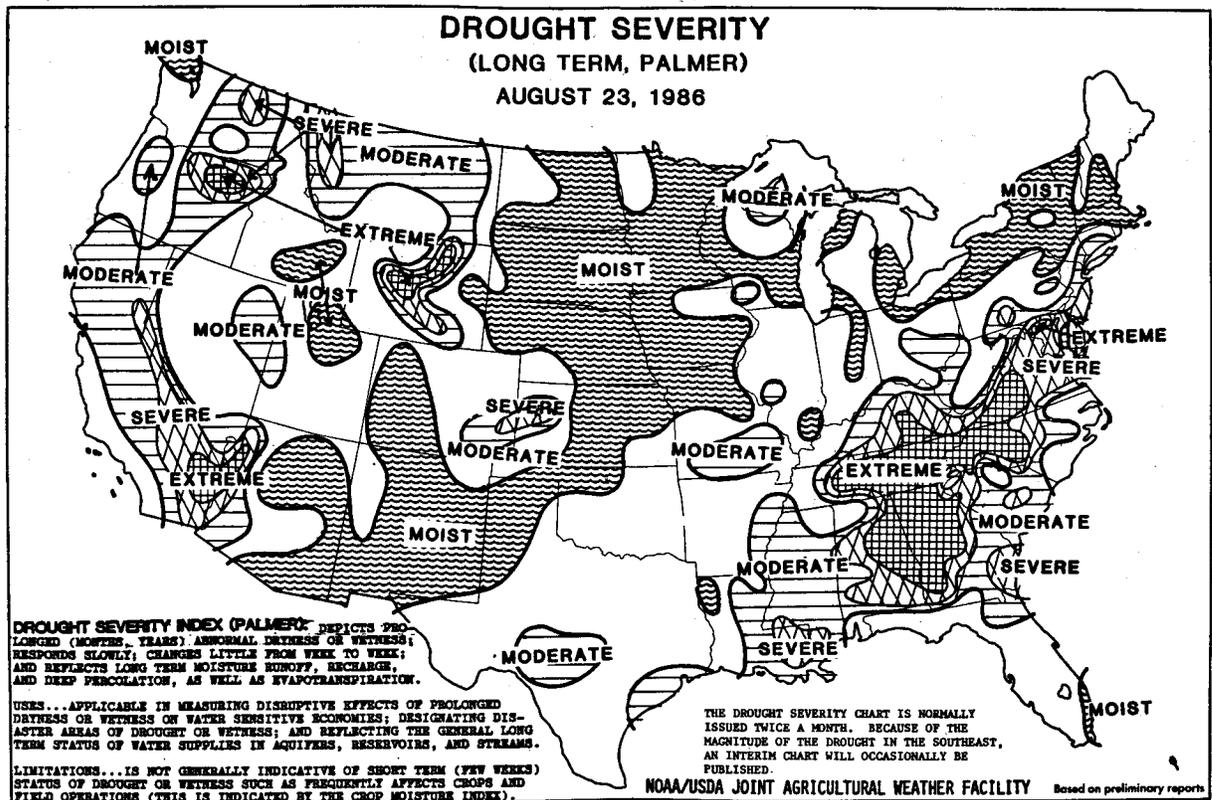
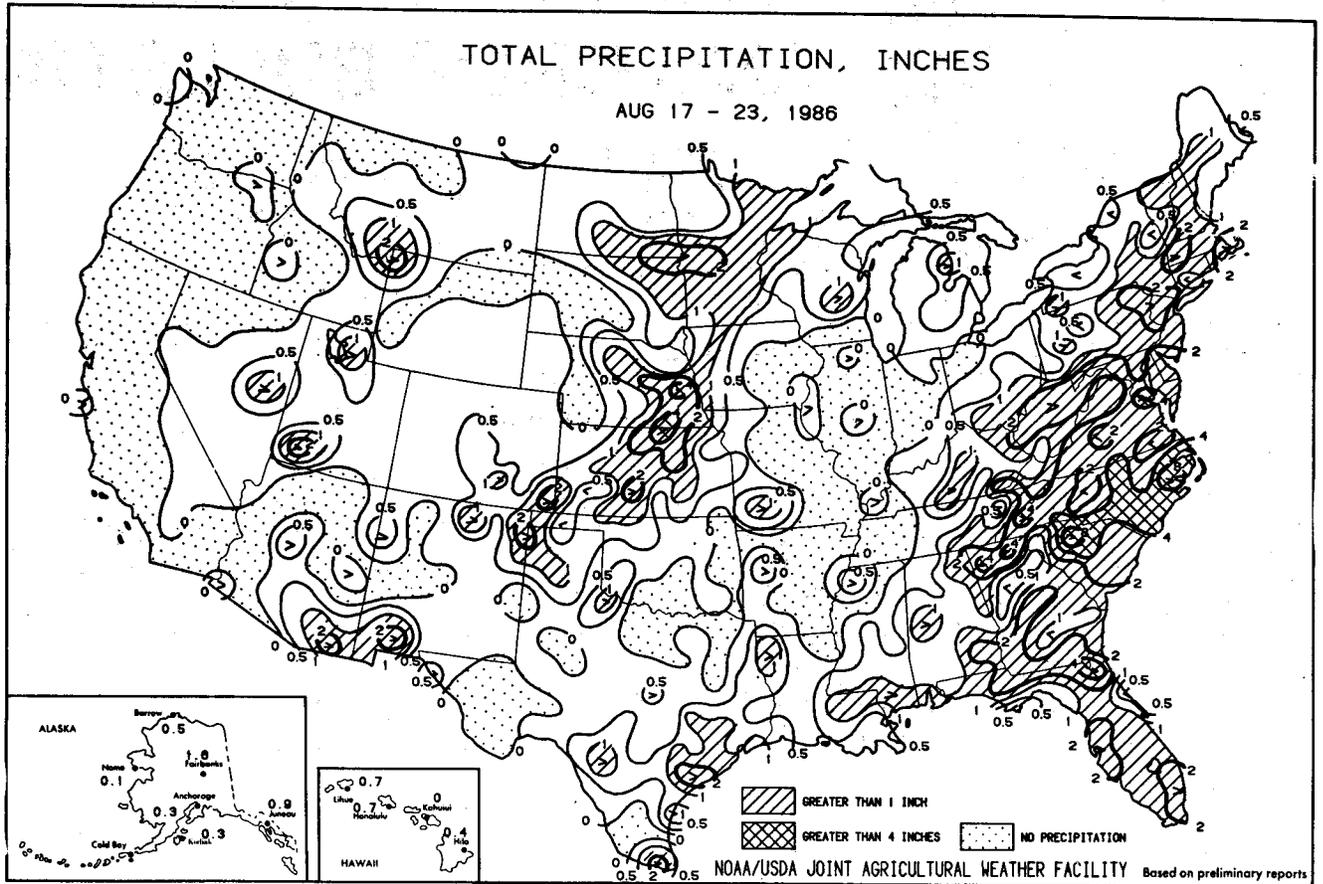
SATURDAY...Showers and thunderstorms were widespread through the Rockies, the southern Plateau, and the Plains. Thundershowers also reached from eastern Texas to the southern Mississippi Delta, but no rain fell from Mississippi through Georgia. The area from the upper Mississippi Valley through the western Great Lakes was also dry. Showers were frequent from the Ohio Valley to western Maryland and northeastward to New Jersey, New York, and New England.

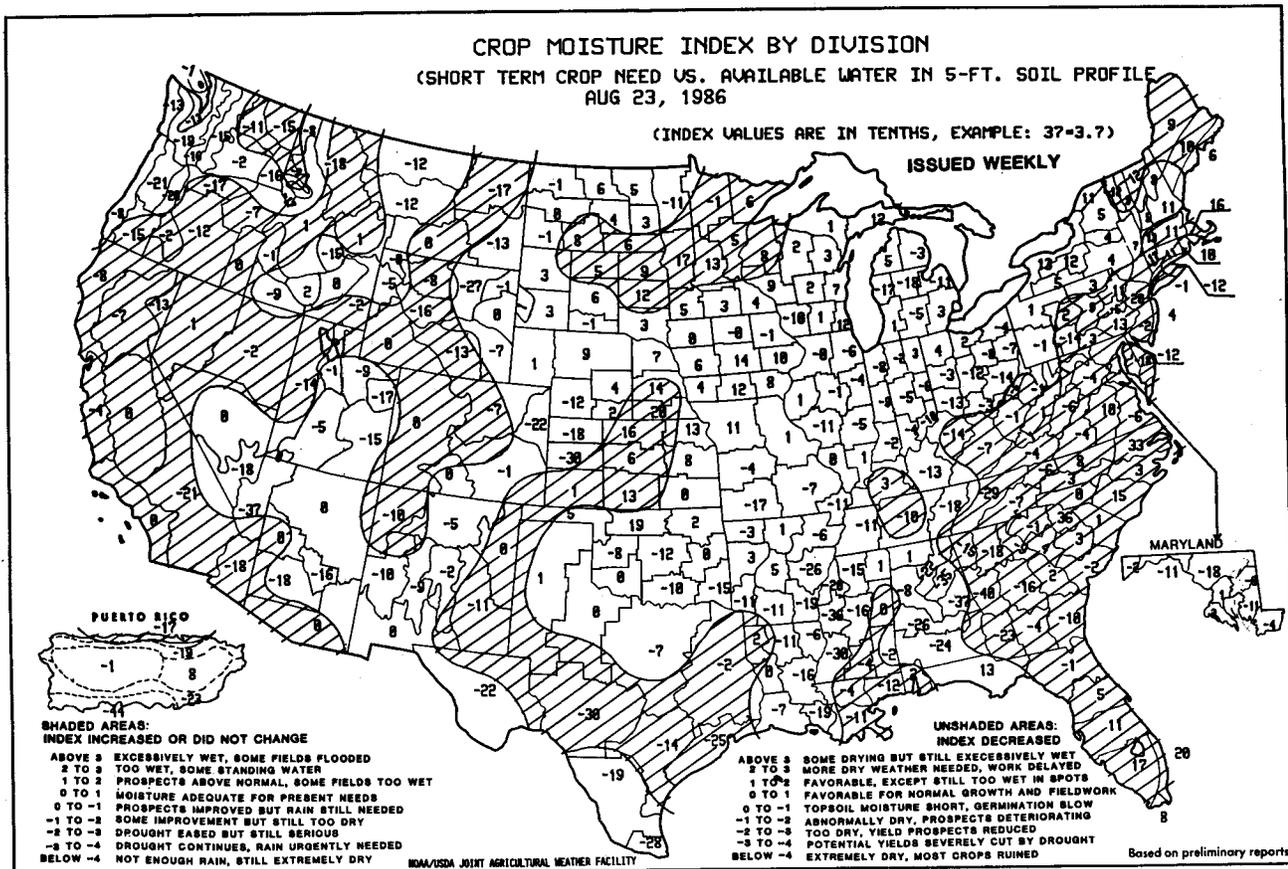
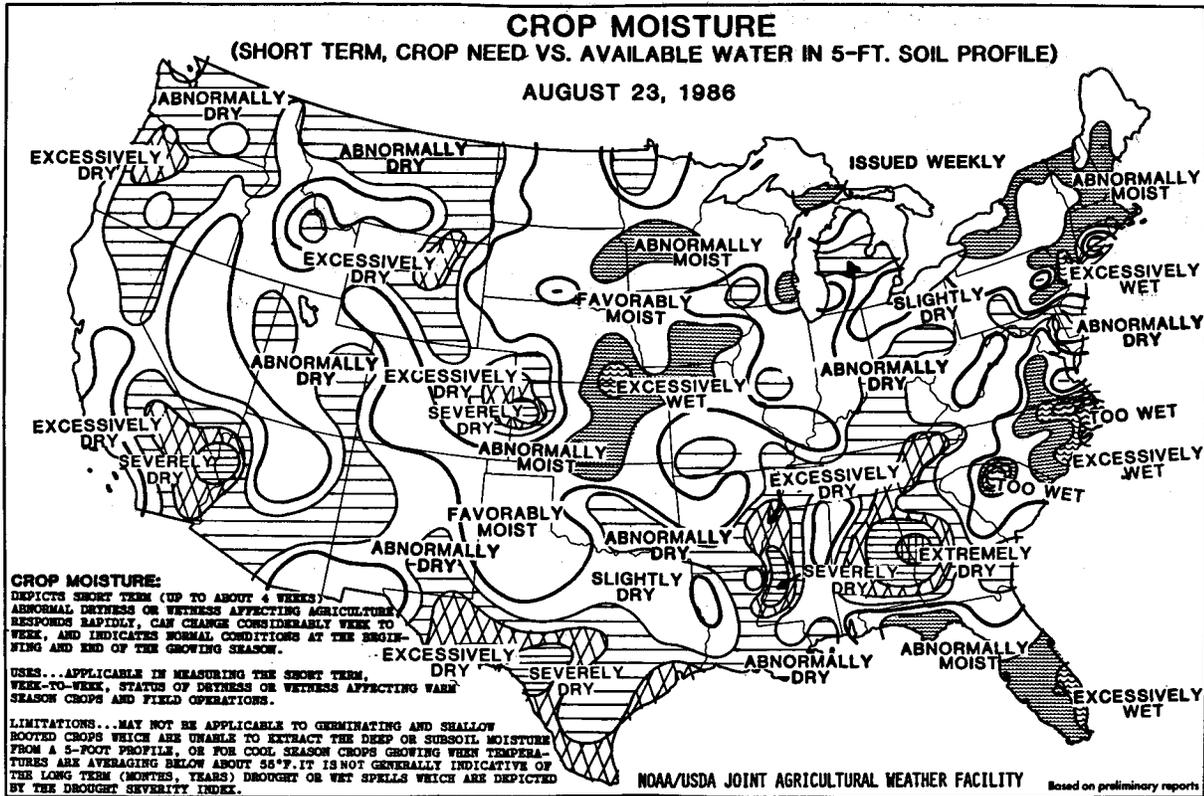
HIGHLIGHTS: Showers and thunderstorms were frequent through the East Coast States. Much of the previously dry areas in the Southeast accumulated well-above-normal precipitation. The heaviest rain fell along the coast of North Carolina where Tropical Storm Charlie became a hurricane and moved northeastward before weakening and veering eastward south of Long Island, New York. Thunderstorms were frequent along the gulf coast. Moderate to heavy thundershowers fell along a line from the northwestern Texas Panhandle to the upper Mississippi Valley. Little or no rain fell from the Mississippi Delta through most of the upper Midwest. Temperatures were cool in the northern Great Plains and warm in the Northwest.

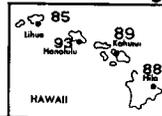
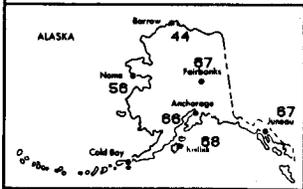
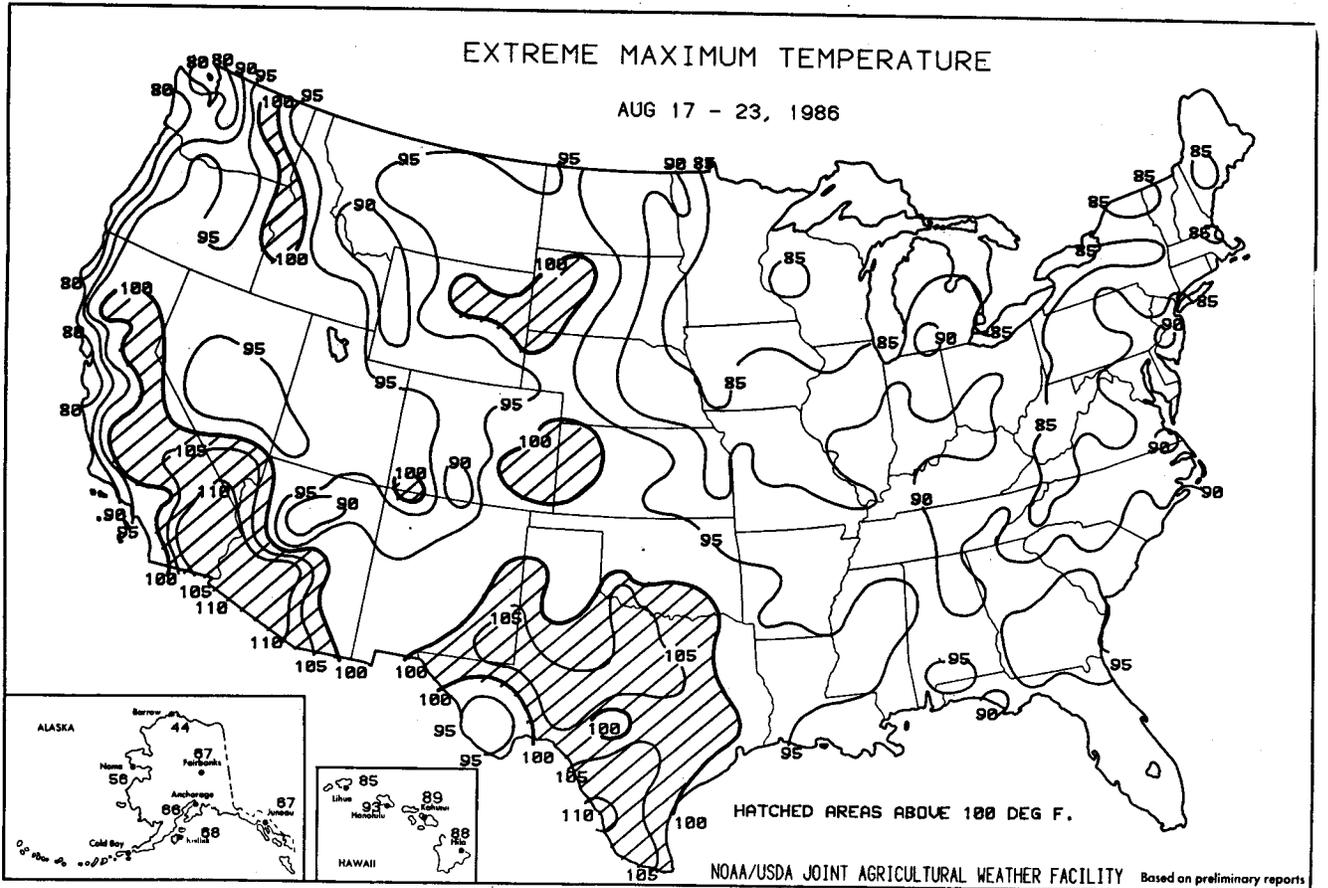
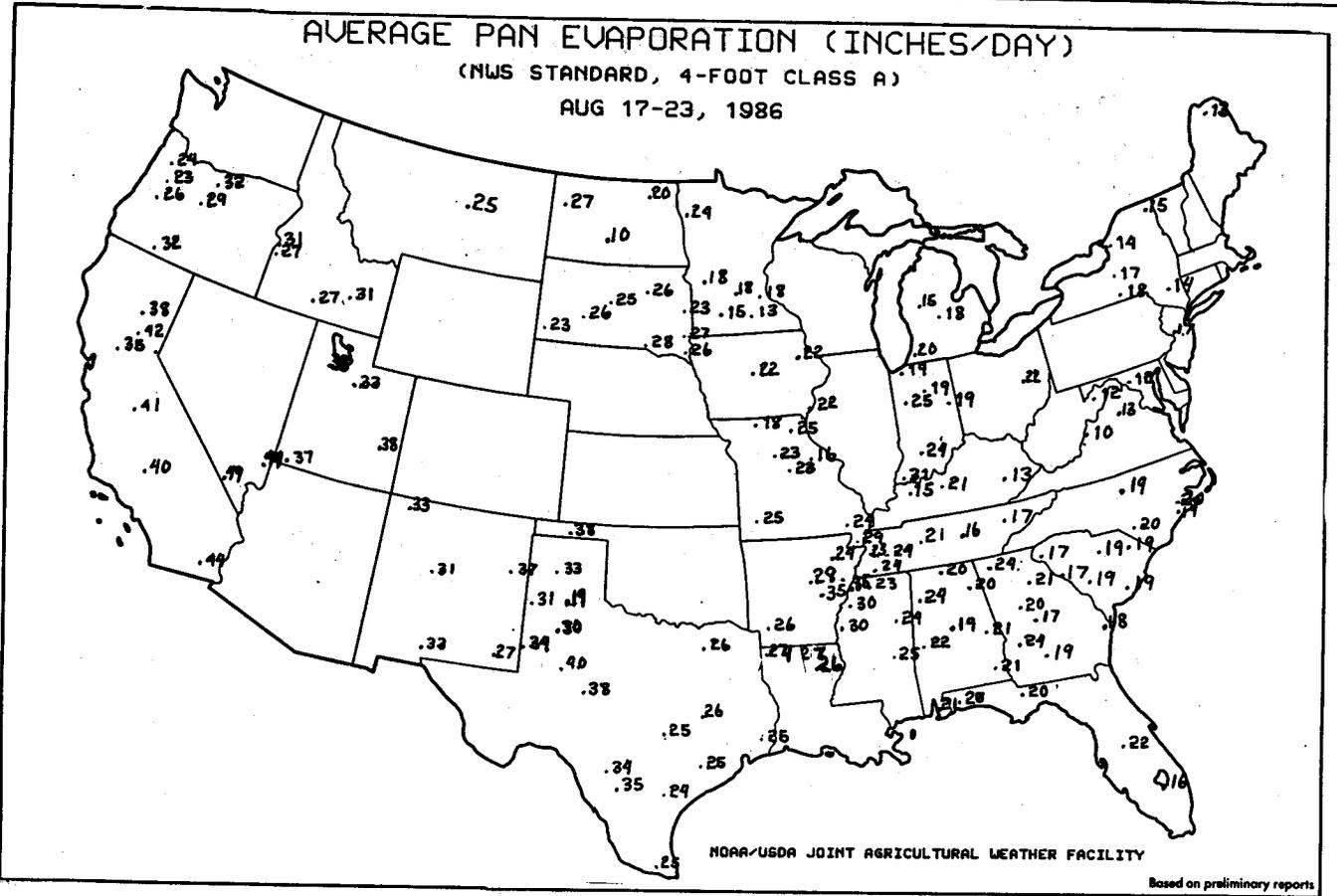
SUNDAY...Tropical Storm Charlie became a hurricane off the North Carolina coast and moved along the coast to eastern Maryland. Heavy rain fell along the coast while a trough of low pressure triggered moderate to heavy showers from western Carolinas to central Maryland. Lighter showers were scattered through the rest of the East Coast States and to the west of the Appalachians. Widely scattered showers fell through the Plains and the Southwest. Hot weather returned to the Northwest.

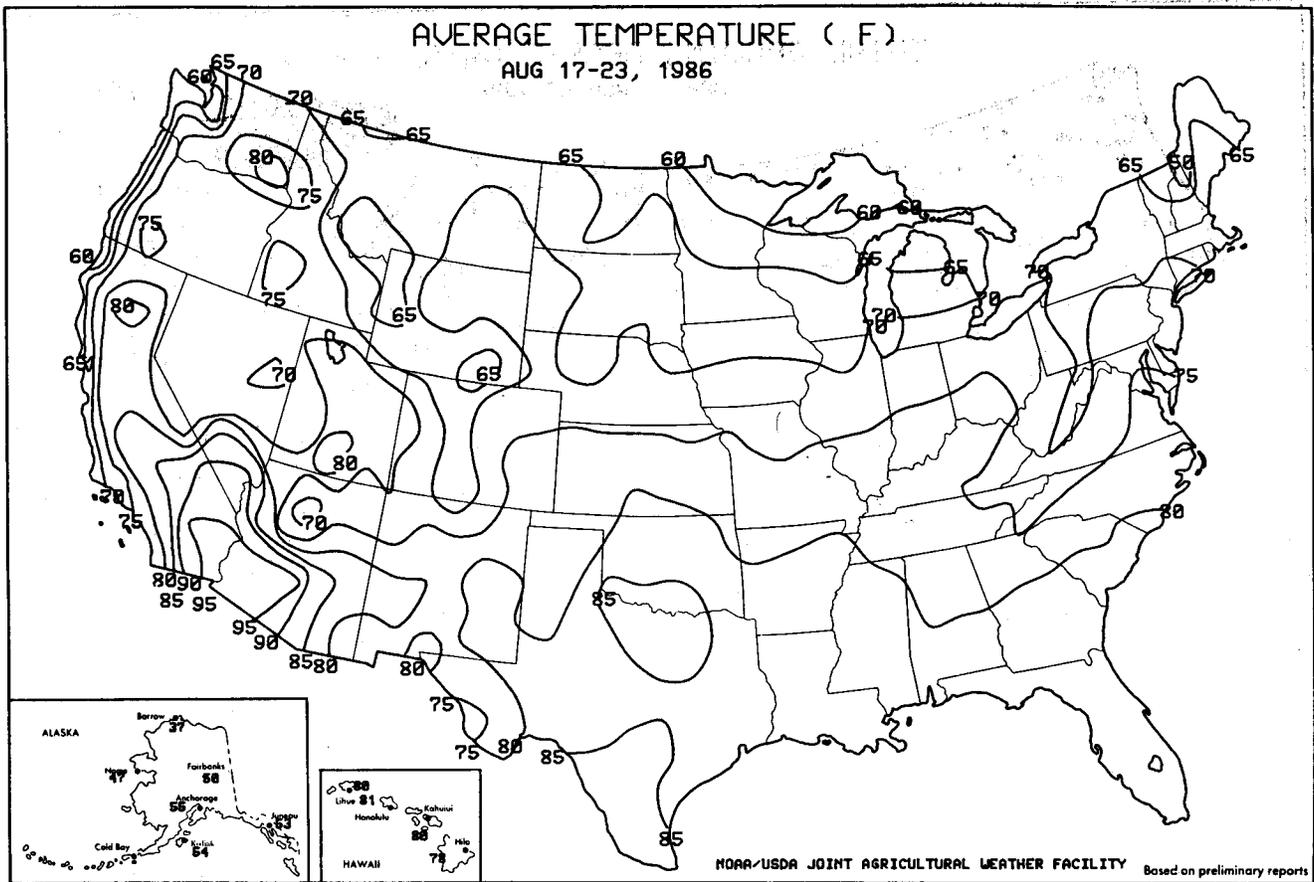
MONDAY...Hurricane Charlie weakened and moved off the coast of New Jersey in a more easterly direction. Moderate rain fell from eastern Long Island to eastern Massachusetts. Moderate to heavy showers and thunderstorms covered the eastern Carolinas with light storms scattered through all East Coast States. Elsewhere thunderstorms were scattered from eastern Texas to the Dakotas with heavier amounts in eastern Kansas and Nebraska. Light showers were widespread throughout the Southwest.

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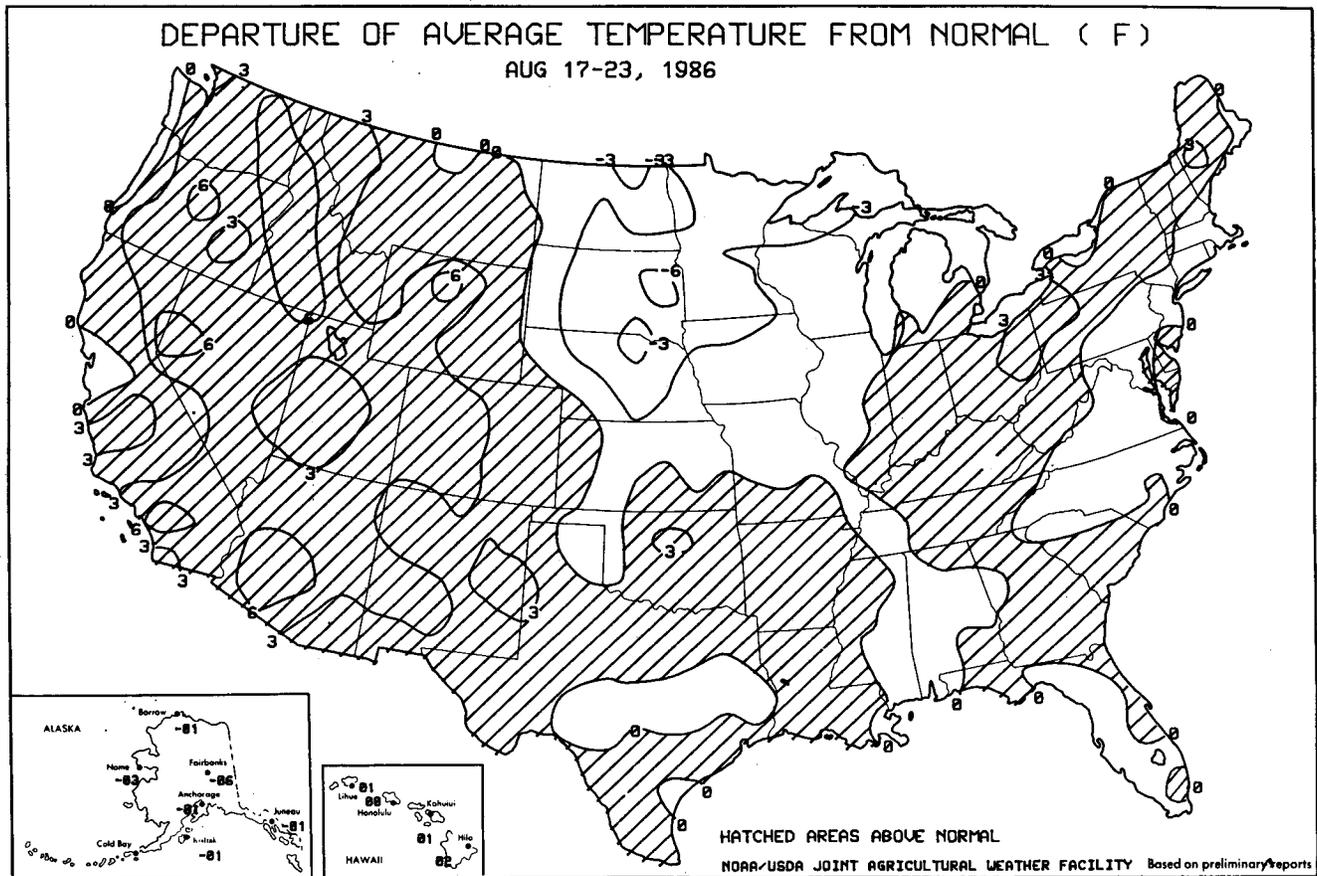


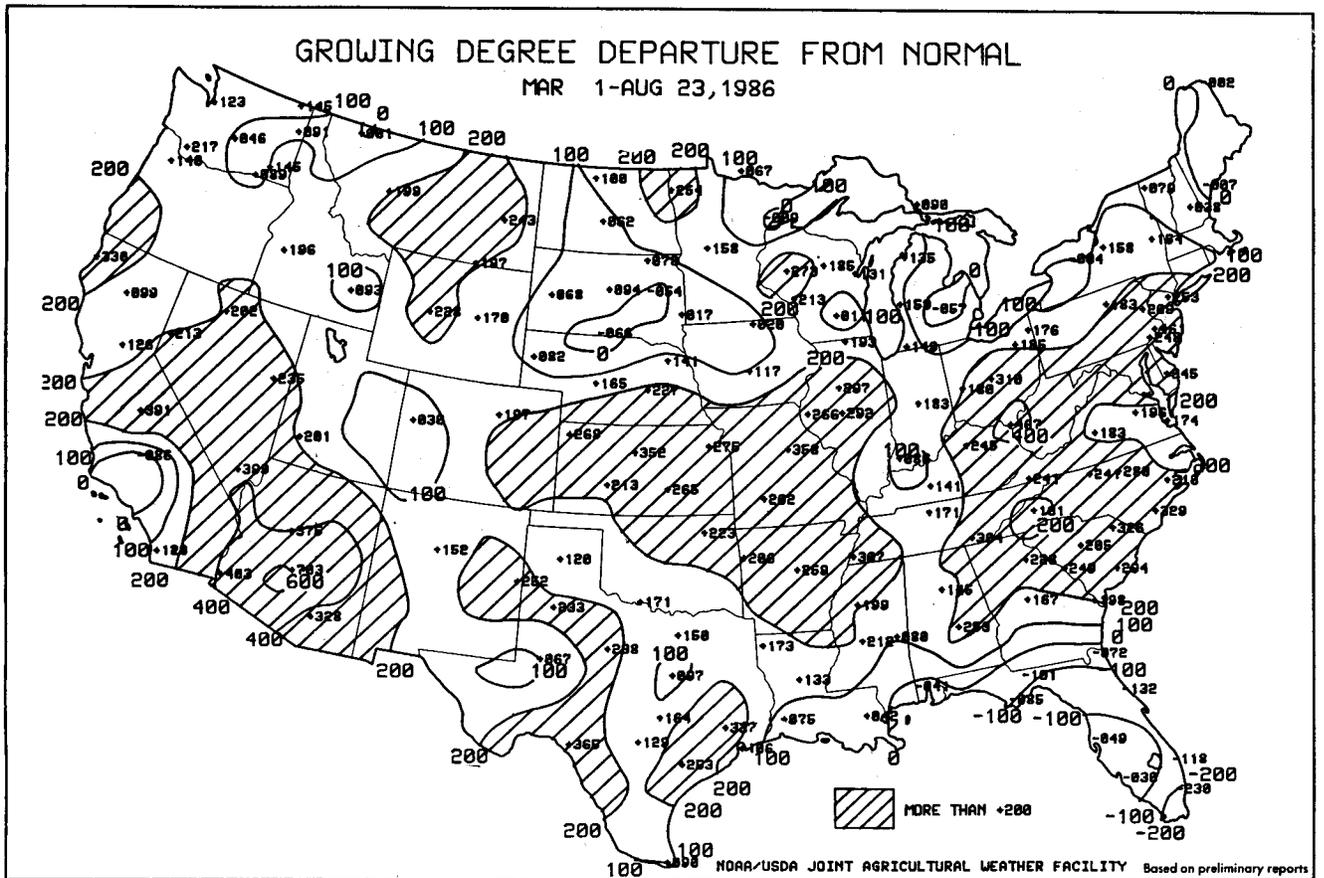
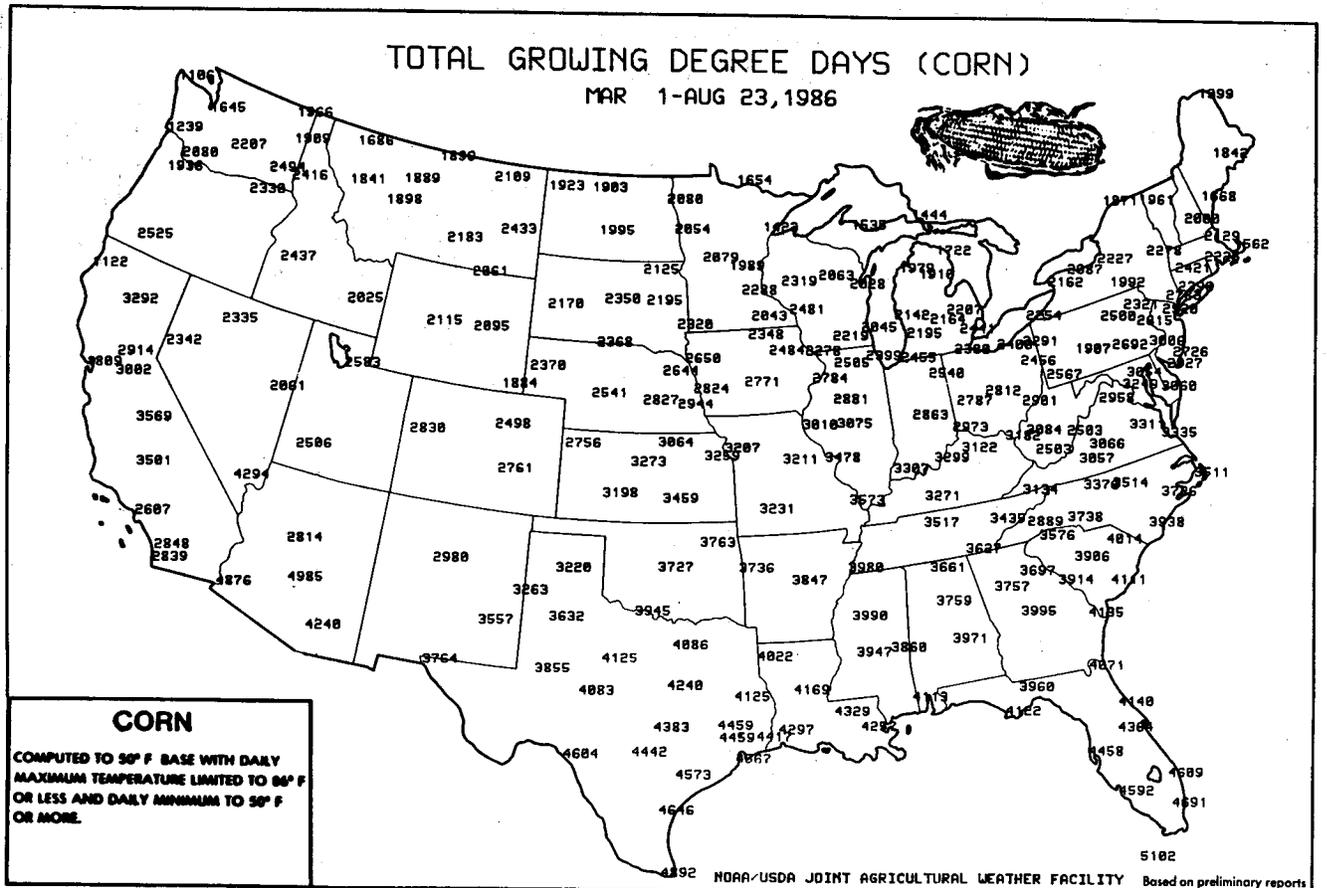






Point values may differ on these computerized maps from the reported values in the tables.





Cooling Degree Day Data Weekly Summary

COOLING DEGREE DAY DATA WEEKLY SUMMARY

CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA

ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 8-23-1986

MONTHLY TOTALS ARE FROM JANUARY TO PREVIOUS MONTH

-999 = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns for STATE CITY, CALL WEEK TOTAL, WEEK DEV FROM NORM, WEEK DEV FROM L YR, CUM TOTAL, CUM DEV FROM NORM, CUM DEV FROM L YR, CUM DEV FROM NORM PRCT, CUM DEV FROM L YR PRCT. It lists data for 100+ cities across the US, including Birmingham, Mobile, Anchorage, and many others.

National Weather Data for Selected Cities

Weather Data for the Week Ending August 23, 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
AL BIRMINGHAM	89	68	90	66	79	-1	.1	-.7	.1	6.1	51	19.2	51	95	52	2	0	1	0
MOBILE	90	72	93	71	81	-1	1.6	-.2	1.0	19.4	109	37.1	83	96	57	0	0	4	0
MONTGOMERY	92	70	94	66	81	0	.6	.0	.5	7.5	71	29.2	87	99	52	6	0	3	1
AK ANCHORAGE	61	48	66	41	55	-1	1.1	-.2	.2	5.2	114	8.6	105	90	52	0	0	0	0
BARROW	41	33	44	31	37	-1	.3	-.2	.2	1.4	71	1.9	66	94	72	0	0	3	0
FAIRBANKS	58	42	67	28	50	-1	1.6	1.2	.7	4.9	108	6.1	91	95	50	0	0	5	2
JUNEAU	60	46	67	41	53	-1	.9	-.2	.4	10.7	101	33.0	119	97	61	0	0	4	0
KODIAK	62	45	68	38	54	-1	.3	-.9	.2	19.0	173	44.9	106	97	65	0	0	2	0
NOME	53	41	56	32	47	-1	.3	-.6	.1	5.7	100	7.4	84	89	59	0	0	0	0
AZ PHOENIX	109	85	113	81	97	8	.1	-.2	-.1	1.3	76	4.1	98	52	20	0	0	4	0
PRESCOTT	90	62	93	58	76	6	.9	-.2	-.4	4.3	67	7.7	62	81	32	0	0	1	0
TUCSON	101	73	105	68	87	3	.9	-.4	-.4	4.3	99	8.1	117	81	32	5	0	3	0
YUMA	108	86	112	82	97	5	.2	-.2	-.2	.6	116	1.1	73	66	28	7	0	4	0
AR FORT SMITH	92	71	95	67	81	1	0	0	0	111	111	27.3	104	93	46	0	0	0	0
LITTLE ROCK	90	72	92	69	81	1	0	0	0	10.4	131	27.4	90	82	51	0	0	0	0
CA BAKERSFIELD	97	69	101	62	83	1	0	0	0	0	0	0	0	93	51	5	0	0	0
EUREKA	63	52	71	50	58	1	0	0	0	0	0	0	110	65	23	0	0	0	0
FRESNO	100	67	103	61	84	5	0	0	0	.2	26	27.4	121	94	76	6	0	0	0
LOS ANGELES	81	65	89	60	73	2	0	0	0	0	0	9.7	137	70	22	0	0	0	0
RED BLUFF	98	62	102	59	80	0	0	0	0	.1	129	13.0	153	90	50	0	0	0	0
SACRAMENTO	94	57	100	53	75	1	0	0	0	0	0	21.9	167	64	32	0	0	0	0
SAN DIEGO	82	67	90	62	75	2	0	0	0	0	0	16.3	151	86	22	7	0	0	0
SAN FRANCISCO	67	54	72	51	60	-3	0	0	0	0	0	7.7	122	87	53	1	0	0	0
CO DENVER	89	60	98	54	74	4	0	0	0	0	0	18.6	149	96	64	0	0	0	0
GRAND JUNCTION	92	65	99	61	79	4	0	0	0	0	0	8.4	74	73	26	3	0	0	0
PUEBLO	91	60	103	57	76	4	0	0	0	0	0	127	4.5	90	58	24	0	0	0
CT BRIDGEPORT	78	67	82	60	72	2	0	0	0	0	0	4.7	107	6.8	84	78	29	3	0
HARTFORD	79	62	81	51	71	0	0	0	0	0	0	9.5	104	19.7	75	95	64	0	1
DC WASHINGTON	80	69	87	64	75	-3	2.6	1.7	1.4	14.8	158	29.7	108	96	61	0	0	4	2
FL APALACHICOLA	91	74	92	73	82	1	0	0	0	0	0	19.1	74	96	71	0	0	0	0
DAYTONA BEACH	89	73	92	70	81	0	0	0	0	0	0	32.2	106	98	64	5	0	4	0
JACKSONVILLE	92	73	95	71	82	1	0	0	0	0	0	29.7	83	98	69	0	0	0	0
KEY WEST	87	77	90	73	82	-2	1.0	-.6	-.8	12.2	71	29.7	83	98	66	4	0	5	1
MIAMI	90	76	92	74	83	0	0	0	0	0	0	21.1	97	89	66	2	0	0	0
ORLANDO	92	74	94	73	83	0	0	0	0	0	0	49.7	139	90	61	0	0	0	0
TALLAHASSEE	92	70	95	69	81	0	0	0	0	0	0	34.1	100	94	57	0	0	5	2
TAMPA	89	74	93	71	81	-1	2.1	1.8	1.9	30.0	144	46.5	103	99	52	6	0	3	2
WEST PALM BEACH	89	74	90	72	82	-1	1.6	1.6	1.6	15.8	86	27.2	84	96	64	0	0	0	0
GA ATLANTA	88	69	91	66	78	0	0	0	0	0	0	24.3	136	39.6	113	93	61	4	1
AUGUSTA	89	71	95	69	80	0	0	0	0	0	0	9.9	92	20.8	60	96	53	0	0
MACON	90	71	95	69	81	1	0	0	0	0	0	137	26.4	85	99	62	3	0	0
SAVANNAH	93	74	96	71	83	2	0	0	0	0	0	7.8	71	19.0	59	97	53	0	0
HI HILO	86	71	88	67	79	2	0	0	0	0	0	17.5	97	30.1	84	95	56	6	0
HONOLULU	89	73	93	70	81	0	0	0	0	0	0	27.6	123	101.5	125	91	57	0	0
KAHULUI	88	70	92	66	79	-1	0	0	0	0	0	2.2	150	5.1	36	88	52	0	0
LIHUE	84	76	85	73	80	1	0	0	0	0	0	6	52	10.6	80	89	57	0	0
ID BOISE	92	62	100	59	77	6	0	0	0	0	0	121	13.5	52	89	71	1	0	0
LEWISTON	94	63	100	58	79	7	0	0	0	0	0	6	41	10.0	132	58	19	0	0
POCATELLO	89	52	98	43	70	2	0	0	0	0	0	9	38	6.7	81	42	15	5	0
IL CHICAGO	82	58	87	54	70	-2	0	0	0	0	0	5	23	9.5	130	76	23	0	0
MOLINE	83	59	87	55	71	-2	0	0	0	0	0	8.3	80	17.7	78	93	45	0	0
PEORIA	84	60	89	57	72	0	0	0	0	0	0	14.7	122	27.7	107	96	51	0	0
QUINCY	84	60	86	56	72	-2	0	0	0	0	0	14.1	136	21.3	89	93	48	0	0
ROCKFORD	80	58	84	53	69	-2	0	0	0	0	0	12.5	111	22.5	89	96	55	0	0
SPRINGFIELD	85	59	88	56	72	-2	0	0	0	0	0	8.3	70	19.2	77	93	49	0	0
IN EVANSVILLE	88	67	91	65	77	2	0	0	0	0	0	12.5	130	19.9	85	97	48	0	0
FORT WAYNE	83	61	87	55	72	1	0	0	0	0	0	11.3	115	26.1	90	93	51	0	0
INDIANAPOLIS	86	63	88	59	75	2	0	0	0	0	0	17.6	185	30.2	129	93	53	0	0
SOUTH BEND	82	59	86	52	71	0	0	0	0	0	0	9.4	86	28.6	106	96	48	0	0
IA DES MOINES	82	62	89	54	72	2	0	0	0	0	0	11.3	113	23.1	92	94	45	0	0
SIoux CITY	79	60	83	51	70	-3	0	0	0	0	0	15.2	145	30.0	136	92	56	0	0
WATERLOO	80	57	84	51	69	-1	0	0	0	0	0	10.0	103	22.8	122	93	62	0	0
KS CONCORDIA	83	66	89	60	74	-3	0	0	0	0	0	11.5	97	24.9	106	94	52	0	0
DODGE CITY	86	66	96	61	76	-2	0	0	0	0	0	17.9	177	28.1	143	95	63	0	0
GOODLAND	89	63	102	60	76	3	0	0	0	0	0	11.5	143	15.6	99	94	54	3	0
TOPEKA	87	64	91	62	76	-1	0	0	0	0	0	5.8	88	11.7	94	91	34	3	0
WICHITA	88	70	93	68	79	0	0	0	0	0	0	11.9	100	25.5	110	98	54	1	0
KY BOWLING GREEN	86	67	89	63	77	0	0	0	0	0	0	12.6	129	19.9	102	90	53	0	0
LEXINGTON	86	67	91	65	77	2	0	0	0	0	0	4.6	41	18.9	56	97	52	0	0
LOUISVILLE	88	69	90	65	78	0	0	0	0	0	0	9.1	75	19.4	60	94	52	1	0
LA ALEXANDRIA	94	73	96	69	83	2	0	0	0	0	0	11.4	112	24.2	81	88	49	2	0
BATON ROUGE	92	73	94	70	83	2	0	0	0	0	0	13.0	119	24.4	64	78	42	0	0
LAKE CHARLES	93	73	95	69	83	1	0	0	0	0	0	15.7	112	35.4	92	94	50	5	1
NEW ORLEANS	91	74	93	70	82	0	0	0	0	0	0	14.8	108	29.2	86	97	48	6	0
						1	0	0	0	0	0	16.8	106	28.2	70	94	53	3	0

Based on 1951-80 normals.

Weather Data for the Week Ending August 23, 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		PRECIPITATION		
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	94	71	98	67	83	1	1.1	.6	1.1	18.9	212	33.7	114	93	42	7	0	0	3	1
ME CARIBOU	72	54	79	40	63	1	.5	-.4	.2	8.0	78	21.6	96	98	62	0	0	4	0	0
PORTLAND	74	57	79	47	66	0	.6	0	.3	9.0	112	28.4	107	97	62	0	0	5	0	1
MD BALTIMORE	81	68	88	63	75	1	1.8	.8	1.1	9.4	85	19.3	70	95	66	0	0	4	0	1
SALISBURY	81	68	88	64	75	0	2.8	1.5	1.5	8.2	67	19.2	65	96	64	0	0	6	2	2
MA BOSTON	75	63	86	60	69	-2	1.3	-.4	1.1	14.3	173	26.9	98	96	66	0	0	5	5	1
CHATHAM	72	63	77	62	68	1	3.3	2.3	2.5	19.8	229	32.1	111	95	75	0	0	5	5	1
MI ALPENA	75	50	80	42	62	-2	.1	-.6	1.1	10.3	120	18.9	101	100	51	0	0	3	3	0
DETROIT	84	62	88	58	73	3	.1	-.7	1.1	10.9	121	22.0	105	92	47	0	0	1	1	0
FLINT	82	57	88	54	70	2	.9	-.1	.9	9.7	113	18.3	93	95	46	0	0	1	1	0
GRAND RAPIDS	80	57	87	55	69	-1	.4	-.4	1.4	15.8	167	28.9	132	94	46	0	0	1	1	0
HOUGHTON LAKE	77	52	81	43	64	-1	.3	-.4	1.1	9.9	122	20.9	116	93	46	0	0	3	3	0
LANSING	82	55	87	50	68	1	1.0	.3	1.0	13.7	161	23.3	119	94	43	0	0	1	1	0
MARQUETTE	70	46	77	40	58	0	.8	0	.6	9.9	106	21.3	90	96	48	0	0	1	1	0
MUSKOGON	82	56	84	53	69	-5	.3	-.4	.3	6.3	88	15.7	81	95	40	0	0	4	0	0
SAULT STE. MARIE	71	50	77	47	61	-2	.5	-.3	.3	14.7	169	24.5	123	97	54	0	0	1	1	0
MN ALEXANDRIA	75	55	82	48	65	-3	2.2	1.4	1.9	14.8	153	27.4	157	94	44	0	0	2	2	1
DULUTH	70	48	75	44	59	-4	2.0	1.1	1.2	17.5	159	26.6	132	96	52	0	0	2	2	1
INT'L FALLS	73	45	84	38	59	-4	1.0	-.4	.6	8.0	82	13.6	83	97	42	0	0	2	2	0
MINNEAPOLIS	75	58	81	52	67	-3	1.7	-.8	.7	13.6	131	26.8	141	92	52	0	0	2	2	0
ROCHESTER	74	54	79	50	64	-4	.1	-.8	1.1	12.3	113	22.8	115	96	59	0	0	2	0	0
MS GREENWOOD	94	69	96	67	81	1	0	-.6	0	4.8	48	18.9	52	96	41	7	7	0	0	0
JACKSON	93	69	96	65	81	0	.3	-.5	1.1	10.5	104	27.9	77	97	44	7	7	3	3	0
MERIDIAN	92	69	94	63	80	0	.2	-.6	.2	9.3	82	26.4	71	97	48	7	7	0	0	0
MO CAPE GIRARDEAU	88	67	94	63	78	0	.8	0	0	8.6	88	29.7	99	93	52	2	2	0	0	0
COLUMBIA	86	63	89	60	75	-1	0	-.6	0	8.1	86	21.4	88	94	48	0	0	1	0	0
KANSAS CITY	85	65	88	62	75	0	0	-.8	0	14.1	121	23.2	97	94	53	0	0	0	0	0
SAINT LOUIS	87	65	90	64	76	0	0	-.6	0	9.0	97	18.7	80	90	45	1	1	0	0	1
SPRINGFIELD	90	65	91	60	77	1	1.4	.7	1.4	8.6	85	19.6	76	95	42	4	4	0	0	0
MT BILLINGS	84	57	98	52	70	1	.2	-.1	.2	3.6	98	11.4	107	64	22	1	1	2	1	0
GLASGOW	84	54	96	46	69	1	.2	-.1	.2	4.0	76	8.0	88	64	21	2	2	0	0	0
GREAT FALLS	84	54	97	46	69	2	T	-.3	T	3.6	74	9.6	83	56	21	2	2	0	0	0
HAVRE	82	49	95	40	66	-2	T	-.3	T	3.1	73	10.0	119	64	21	1	1	1	0	0
HELENA	82	50	95	43	66	4	.4	-.2	.4	3.6	93	7.5	89	71	27	2	2	0	0	0
KALISPELL	83	50	91	47	67	4	T	-.4	T	3.5	84	11.2	106	70	22	3	3	0	0	0
MILES CITY	88	59	99	55	73	2	.1	-.2	.1	4.7	90	10.4	98	61	20	2	2	1	1	0
MISSOULA	87	53	94	47	70	5	T	-.2	T	4.0	119	9.8	108	66	21	0	0	0	0	1
NE GRAND ISLAND	80	61	85	50	70	-4	.7	-.1	.5	9.2	110	17.2	98	96	60	2	2	2	2	0
LINCOLN	81	65	86	56	73	-2	3.1	2.3	2.2	14.6	153	26.3	133	94	68	0	0	3	3	2
NORFOLK	79	60	85	50	69	-4	.2	-.4	1.1	11.2	117	22.8	124	94	60	0	0	2	0	0
NORTH PLATTE	83	57	92	44	70	-2	T	-.4	T	5.1	63	13.5	88	95	43	1	1	0	0	0
OMAHA	80	64	85	55	72	-1	1.7	-.7	.8	9.5	88	24.3	113	96	75	0	0	4	0	2
SCOTT'S BLUFF	86	57	99	49	71	0	.2	0	.1	10.5	186	17.3	150	90	32	3	3	2	2	0
VALENTINE	82	52	93	40	67	-5	.5	-.1	.5	4.0	55	13.8	102	87	38	1	1	0	0	1
NV ELY	86	51	93	45	68	4	1.1	-.9	.6	1.2	62	5.5	89	81	28	1	1	5	5	1
LAS VEGAS	104	80	107	75	92	4	T	-.1	T	.2	15	1.2	43	42	18	7	7	0	0	0
RENO	92	56	97	50	74	8	T	0	T	1.2	145	8.4	168	66	16	6	6	0	0	0
WINNEMUCCA	92	54	99	48	73	5	T	0	T	.1	10	3.5	67	51	14	6	6	0	0	0
NH CONCORD	77	58	83	47	67	1	1.3	-.5	.8	12.7	154	26.7	120	95	58	0	0	0	1	1
NJ ATLANTIC CITY	80	66	87	60	73	0	1.9	-.8	1.4	9.5	91	23.8	87	99	66	0	0	3	3	0
NM ALEBUQUERQUE	91	66	96	62	78	3	.1	-.3	1.1	5.5	187	8.4	162	59	24	6	6	0	0	0
CLOVIS	93	69	103	66	81	5	T	-.6	T	6.6	91	10.9	92	67	27	5	5	1	1	0
ROSWELL	95	68	103	66	81	3	.8	-.2	.5	7.3	186	10.0	172	68	24	6	6	2	2	1
NY ALBANY	79	60	85	48	70	1	.3	-.5	.3	15.6	178	30.1	133	99	61	0	0	0	0	0
BINGHAMTON	78	61	83	53	69	3	.6	-.1	.5	15.2	159	30.5	129	92	56	0	0	4	4	1
BUFFALO	81	61	85	57	71	2	.2	-.7	.2	9.3	107	24.0	104	93	53	0	0	2	2	0
NEW YORK	80	68	87	62	74	-1	2.2	1.2	1.0	9.7	96	23.9	87	94	65	0	0	4	4	2
ROCHESTER	78	58	86	54	68	-1	.1	-.6	.1	10.9	142	22.3	112	97	60	0	0	0	0	0
SYRACUSE	80	59	87	52	70	1	.2	-.6	1.2	13.0	127	26.5	106	98	57	0	0	3	3	0
NC ASHEVILLE	79	65	85	63	72	-1	3.0	1.9	2.6	7.6	62	17.4	54	100	69	0	0	4	4	1
CHARLOTTE	84	70	89	68	77	0	1.8	1.0	1.2	7.6	74	15.4	52	96	63	0	0	3	3	0
GREENSBORO	81	69	88	66	75	-1	1.5	-.6	.6	12.1	107	18.1	63	100	72	0	0	4	4	2
HATTERAS	82	72	86	69	77	-1	5.5	4.1	2.2	20.8	148	34.3	100	98	76	0	0	3	3	3
NEW BERN	84	71	89	66	78	0	10.5	9.1	8.8	21.3	129	34.8	98	99	70	0	0	4	4	2
RALEIGH	84	68	88	62	76	-1	5.9	4.9	4.2	16.2	142	26.9	94	98	65	0	0	6	6	2
WILMINGTON	87	74	91	69	81	1	5.9	4.5	4.3	26.4	146	42.7	117	96	66	2	2	4	4	1
ND BISMARCK	78	51	93	42	64	-4	1.0	-.7	.6	9.6	151	17.2	146	93	43	1	1	0	0	0
FARGO	76	53	89	43	65	-4	.4	-.2	.4	10.4	123	17.9	124	93	43	0	0	2	2	0
GRAND FORKS	81	49	94	38	65	-2	.1	-.2	.4	6.2	80	11.3	86	89	34	2	2	0	0	0
WILLISTON	81	51	94	43	66	-1	.1	-.2	.1	9.0	162	16.7	162	79	25	2	2	2	2	0
OH AKRON-CANTON	84	62	87	59	73	3	.3	-.4	.3	7.5	77	18.0	73	96	51	0	0	0	0	0
CINCINNATI	87	66	91	64	77	3	.6	-.1	.4	6.5	61	18.5	67	92	50	1	1	2	2	0
CLEVELAND	83	64	86	63	74	4	.4	-.4	.4	8.4	90	24.4	103	92	54	0	0	1	1	0
COLUMBUS	87	66	90	63	76	4	.4	-.8	T	10.0	92	20.9	80	91	46	1	1	2	2	0

Based on 1951-80 normals.

Weather Data for the Week Ending August 23, 1986

STATES	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	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE
DAYTON	85	62	89	57	73	1	.3	-.5	.2	12.0	126	26.4	108	99	52	0	0	3	0
TOLEDO	83	60	87	54	71	2	.3	-.7	.3	12.4	136	23.4	109	96	55	0	0	1	0
YOUNGSTOWN	83	61	85	57	72	3	.3	-.5	.3	20.2	199	30.4	121	98	57	0	0	0	0
OK OKLAHOMA CITY	94	74	98	70	84	3	.2	-.4	.2	5.6	65	20.6	97	80	38	0	0	1	0
TULSA	92	71	95	66	82	3	.1	-.6	.1	9.1	89	24.7	96	96	47	0	0	1	0
OR ASTORIA	68	53	78	46	60	0	0	-.4	T	2.7	59	35.6	93	95	66	0	0	0	0
BURNS	91	91	91	50	71	5	T	-.2	T	.7	38	7.5	174	1	1	0	0	0	0
MEDFORD	96	57	99	52	76	6	0	-.1	0	.5	37	10.2	94	81	18	0	0	0	0
PENDLETON	90	62	93	58	76	5	T	-.1	T	.5	39	7.5	101	44	14	0	0	0	0
PORTLAND	87	56	95	54	71	4	0	-.3	0	1.5	39	7.5	101	44	14	0	0	1	0
SALEM	86	49	92	46	67	2	0	-.3	0	1.7	54	18.1	87	87	29	0	0	0	0
PA ALLENTOWN	80	64	86	58	72	0	0	-.2	0	.8	84	22.5	100	88	27	0	0	0	0
ERIE	81	64	85	61	73	5	1.7	-.7	.9	10.7	99	27.5	96	94	61	0	0	4	1
HARRISBURG	79	65	84	61	72	2	.4	-.6	.4	11.4	116	26.6	110	90	59	0	0	1	0
PHILADELPHIA	83	67	92	62	75	2	.8	-.6	.6	12.8	138	29.1	115	100	66	0	0	5	5
PITTSBURGH	81	64	85	59	72	2	2.9	2.0	1.7	9.3	86	23.3	85	95	59	0	0	5	2
SCRANTON	77	63	81	54	70	2	.2	-.5	.2	13.9	144	24.7	98	86	51	0	0	1	0
RI PROVIDENCE	76	62	81	56	69	0	2.3	1.6	1.3	17.9	192	32.6	145	94	63	0	0	4	2
SC CHARLESTON	90	74	94	72	82	2	1.5	.5	.8	12.2	139	28.5	101	99	68	0	0	6	2
COLUMBIA	89	71	94	69	80	0	3.5	2.1	1.5	19.1	102	29.7	80	98	63	0	0	5	4
FLORENCE	88	72	92	70	80	0	5.4	4.2	3.8	10.5	75	17.7	51	97	56	0	0	3	3
GREENVILLE	83	70	89	69	77	0	1.1	0	.7	10.1	72	17.9	57	97	62	0	0	5	6
SD ABERDEEN	77	53	89	43	65	-1	1.3	.5	.8	8.0	71	20.7	60	100	72	0	0	1	1
HURON	77	53	87	45	65	-5	1.9	1.5	.8	9.4	132	22.6	165	96	49	0	0	4	2
RAPID CITY	84	54	104	47	69	-2	.3	-.2	.3	11.6	163	22.3	157	100	54	0	0	4	2
SIoux FALLS	78	54	83	44	66	-6	.1	-.2	.1	6.7	104	15.3	116	80	28	0	0	2	0
TN CHATTANOOGA	89	70	91	68	80	2	1.0	.3	1.0	5.9	57	16.4	47	99	50	0	0	5	2
KNOXVILLE	87	70	91	67	78	2	.1	-.5	.1	4.6	43	15.8	49	96	53	0	0	2	1
MEMPHIS	90	73	92	70	82	1	.1	-.5	.1	7.6	74	21.0	59	89	47	0	0	2	1
NASHVILLE	88	69	90	65	79	1	.1	-.8	.1	6.3	63	16.2	49	91	53	0	0	1	0
TX ABILENE	97	73	105	67	85	2	.9	-.2	.9	9.1	143	16.1	107	78	29	0	0	1	0
AMARILLO	89	64	99	61	77	2	.9	-.2	.9	11.4	135	16.5	116	89	38	0	0	4	5
AUSTIN	96	75	103	71	86	1	.1	-.4	.1	3.2	49	14.0	72	84	42	0	0	1	1
BEAUMONT	93	74	96	71	84	1	.9	-.3	.5	16.2	122	33.6	103	95	47	0	0	3	0
BROWNSVILLE	96	74	101	70	83	1	.2	-.6	.1	6.3	104	11.3	87	96	45	0	0	2	0
CORPUS CHRISTI	93	72	100	67	83	-2	.7	-.2	.5	8.0	105	16.7	101	97	45	0	0	3	0
DEL RIO	96	74	105	70	85	0	.4	0	.2	4.7	104	12.8	73	28	6	0	0	3	0
EL PASO	95	68	101	64	82	2	.7	-.2	T	6.3	206	7.9	172	72	25	0	0	2	0
FORT WORTH	96	75	104	70	86	0	.5	-.4	T	5.9	102	20.3	103	78	36	0	0	2	0
GALVESTON	91	76	96	70	84	1	1.1	.1	1.1	6.5	63	14.5	61	83	52	0	0	4	1
HOUSTON	95	73	101	70	84	1	1.5	.6	1.2	9.5	96	21.4	76	93	42	0	0	2	2
LUBBOCK	91	68	98	64	80	2	.2	-.5	T	9.3	136	13.1	107	92	40	0	0	4	1
MIDLAND	95	69	105	65	82	2	.7	-.3	T	6.9	159	11.1	128	88	32	0	0	1	0
SAN ANGELO	97	70	109	67	83	0	.2	-.3	.2	4.9	114	13.7	126	87	29	0	0	5	0
SAN ANTONIO	97	75	107	68	86	2	.1	-.6	0	12.2	179	22.7	127	83	35	0	0	3	4
VICTORIA	96	74	104	70	85	1	2.0	1.1	1.3	11.7	127	21.6	99	96	43	0	0	4	2
WACO	97	74	106	69	85	0	.1	-.4	.1	4.7	82	19.3	97	79	38	0	0	2	0
WICHITA FALLS	100	72	105	65	86	2	.0	-.5	0	9.2	145	18.2	105	84	30	0	0	7	0
UT BLANDING	90	60	95	58	75	5	.1	-.3	.1	2.9	114	7.3	106	69	35	0	0	4	0
CEDAR CITY	88	57	93	53	73	1	2.4	2.1	1.9	3.4	138	7.5	110	82	29	0	0	3	1
SALT LAKE CITY	90	67	99	63	78	4	1.1	-.9	1.0	2.5	103	14.9	142	67	26	0	0	4	1
VT BURLINGTON	77	58	86	50	68	1	1.3	-.4	1.0	13.9	140	27.6	128	97	54	0	0	3	3
VA NORFOLK	83	70	89	64	77	-1	1.5	.3	.9	7.5	59	18.1	60	97	64	0	0	5	1
RICHMOND	81	68	85	63	75	-2	3.8	2.7	1.6	14.6	116	25.4	88	98	67	0	0	4	3
ROANOKE	80	67	87	62	74	-1	3.3	2.4	1.2	7.5	77	18.5	71	100	70	0	0	7	2
WA COLVILLE	90	53	94	46	71	5	0	-.3	0	2.9	94	14.9	141	46	15	0	0	4	0
QUILLAYUTE	70	46	85	38	58	-1	T	-.7	T	5.5	74	65.2	113	100	53	0	0	1	0
SEATTLE-TACOMA	81	54	87	51	68	4	0	-.3	0	1.8	60	20.5	99	78	31	0	0	0	0
SPOKANE	88	57	90	50	73	5	0	-.2	0	.9	40	10.0	99	40	12	0	0	0	0
WV YAKIMA	91	51	93	46	71	3	0	-.1	0	.3	33	5.2	108	74	15	0	0	0	0
BECKLEY	78	63	82	60	70	1	.9	-.1	.6	10.4	94	23.5	80	99	67	0	0	3	1
CHARLESTON	82	67	87	64	74	1	2.3	1.4	.9	14.0	118	28.6	96	100	67	0	0	4	2
HUNTINGTON	84	67	87	64	75	2	2.0	1.2	1.2	12.0	110	22.9	80	99	62	0	0	4	1
PARKERSBURG	83	66	86	64	74	1	1.6	.8	.8	12.3	105	23.0	76	100	61	0	0	3	1
WI GREEN BAY	74	55	79	50	65	-2	.8	.1	.6	12.3	105	19.6	105	90	51	0	0	2	1
LA CROSSE	79	58	82	54	68	-2	.1	-.8	.1	10.2	95	18.2	86	91	47	0	0	1	0
MADISON	78	53	81	49	68	-2	T	-.9	T	9.6	92	19.1	90	96	52	0	0	0	0
MILWAUKEE	74	62	78	58	68	-1	0	-.7	0	18.1	192	29.2	139	91	59	0	0	3	0
WAUSAU	74	55	79	52	65	-2	.6	-.4	.2	9.8	89	16.8	79	93	47	0	0	0	0
WY CASPER	87	53	99	47	70	2	.2	0	.1	5.4	196	10.4	122	76	20	0	0	3	0
CHEYENNE	80	53	93	48	67	1	.2	-.1	.1	4.9	100	9.3	89	89	33	0	0	3	0
LANDER	85	56	97	51	71	3	.4	-.3	.2	1.7	66	7.4	77	70	23	0	0	3	0
SHERIDAN	87	55	99	44	71	3	T	-.2	T	3.8	101	9.4	87	72	24	0	0	0	0
PR SAN JUAN	89	75	90	73	82	0	.1	-.1	.1	4.1	29	30.7	101	89	59	2	0	2	0

Based on 1951-80 normals.

National Agricultural Summary

August 18 to 24, 1986

HIGHLIGHTS: Delta farmers received only limited rainfall, and crops continued to be stressed. Showers in the Atlantic Coast States benefited most crops, but additional precipitation is still needed in many areas. Crops in the Midwest continued to be mostly good even with precipitation being light to nonexistent in the eastern Corn Belt. Temperatures were as high as 9 degrees above normal in the West while averaging 2-4 degrees below normal from the central Plains to Wisconsin and parts of Illinois. Soil moisture was generally short in the West, short to mostly adequate in the Midwest, mostly short to adequate in the South, and variable along the eastern coast with most farmers reporting adequate soil moisture. Fieldwork in the West and South averaged over 6 days. Days suitable for fieldwork in the Atlantic Coast States ranged 2 to 5 days, and the Midwest varied from 4 to 6 days.

Winter wheat harvest was nearing completion in the Northwest while spring wheat harvest was 55 percent (%) combined in the 5 major producing States. Corn continued to be mostly good to excellent. The corn crop continued to progress ahead of normal with 84% in dough, 48% in dent, and 10% mature. Soybeans remained mostly good except for in the South and Southeast. Eighty-five % of the acres set pods, and 96% bloomed. Sorghum was mostly good to fair with 92% of the crop headed, 51% changing color, 28% mature, and 20% harvested. Cotton was fair to good in most States, but over 25% of the crop from Louisiana to South Carolina was poor. Ninety-five % of the cotton was setting bolls, and 21% had open bolls. Rice was 25% harvested, up 9 percentage points from a year ago. Pastures improved with rain along the east coast, and pastures in the West and South need precipitation to help stimulate forage growth.

SMALL GRAINS: Winter wheat harvest was nearly finished in the Pacific Northwest. Spring wheat harvest continued, but cool, wet weather caused harvest to lag behind normal, except in Idaho. Fifty-five % of the spring wheat was harvested, 1 point ahead of last years' pace, but 13 points below the 5-year average. Land preparation continued for winter wheat seeding.

CORN: Corn continued mostly good to excellent in the Corn Belt and northern and central Plains. In the Southeast the crop was fair to very poor. In 16 of the 17 major producing States, 84% of the crop reached the dough stage, 12 points ahead of the average. Forty-seven % of the corn was in the dent stage, well ahead of last year's 38% and the 31% average. Nine % of the corn reached maturity, and some fields were mature as far north as Pennsylvania and South Dakota. Harvest continued in the South.

SOYBEANS: Soybeans remained mostly good except in the South and Southeast where crop conditions were generally fair to poor. In the 19 major producing States, soybeans setting pods totaled 85%, compared with 85% last year and 80% average. Ninety-six % of the acreage bloomed, 1 point behind last year but 1 point ahead of the average.

SORGHUM: The major producing States reported sorghum mostly good to fair. Prospects in Kansas continued to improve with 62% of the crop in excellent condition. In 8 of the 11 major producing States, crop progress continued ahead of normal with 91% headed, 10 points ahead of the average. Forty-seven % coloring was 10 points above the average, and 27% was mature compared with 24% last year and the 23% average. Harvest is ahead of normal in Arkansas, Louisiana, Mississippi, and Missouri but was slightly behind in Texas.

COTTON: Cotton was fair to good in most States, but over 25% of the crop was rated poor or very poor in Alabama, Georgia, Louisiana, Mississippi, Missouri, and South Carolina.

Cotton setting bolls reached 95%, the same as the average but was 3 points behind last year. Bolls opened on 21% of the acres, identical to last year and 7 points above the average. In Texas, cotton harvest was 10% complete, 2 points above the average.

OTHER CROPS: Rice was 89% headed, 5 points ahead of last year and 10 points above the average. Harvest was also ahead of normal with 25% harvested compared with 16 percent a year ago.

Peanut harvest was 36% percent harvested in Mississippi and just getting underway in Georgia.

Flue-cured tobacco harvest continued to lag behind normal in North Carolina, Virginia, and Georgia. Burley tobacco was 5% harvested in North Carolina and 32% harvested in Kentucky.

FRUIT AND NUTS: Peach and pear harvests were continuing strong in the North. Apple harvest was in full swing in the Southern producing areas. In Florida, citrus looked very good to excellent. Grapefruit was being tested to project picking dates. Cantaloups and honeydews were being shipped from Arizona. In California, apples, grapes, grapefruit, Valencia oranges, and almond harvests were active. Peach, pear, plum, prune, and nectarine harvests were near completion. Blackberry and blueberry picking continued in Oregon.

VEGETABLES: Land preparation and vegetable planting were very active in Florida. In Texas, carrots, cabbage, cucumbers, sweet corn, tomato, and chili peppers continued to be harvested. Land preparation and some seeding were underway in the Rio Grande Valley. In California, artichokes, snap beans, broccoli, carrots, cauliflower, sweet corn, cucumbers, lettuce, onions, and tomatoes continued to be harvested.

PASTURES AND LIVESTOCK: Pasture conditions improved in the East Coast States with recent rain. Midwestern pastures were mostly fair to good. Grazing areas in the South and West need precipitation and cooler temperatures to improve forage growth. Dry ranges in the West continued to be susceptible to range fires. Livestock was generally fair to good. Farmers continued supplemental feeding.

CROP PROGRESS

FOR WEEK ENDING AUGUST 24, 1986

	CORN % DOUGH		
	1986	1985	AVG.
COLO	62	75	63
GA	100	100	100
ILL	97	88	85
IND	98	93	85
IOWA	85	83	67
KANS	90	90	75
KY	98	91	86
MICH	55	70	70
MINN	67	53	55
MO	100	98	89
NEBR	90	85	75
N C	100	98	95
OHIO	98	100	85
PA	58	60	60
S DAK	56	50	59
TEX	97	92	NA
WIS	63	55	57

17 STATES 84 80 NA

EXCL. STATES WITH NA 84 80 74

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

NA - NOT AVAILABLE.

	CORN % DENT		
	1986	1985	AVG.
COLO	18	31	23
GA	99	99	97
ILL	70	54	48
IND	60	40	25
IOWA	45	40	28
KANS	65	50	30
KY	78	64	52
MICH	5	10	10
MINN	20	9	13
MO	93	86	64
NEBR	40	25	20
N C	94	94	88
OHIO	50	58	33
PA	20	14	11
S DAK	20	11	21
TEX	89	77	NA
WIS	14	14	17

17 STATES 48 39 NA

EXCL. STATES WITH NA 47 38 31

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

NA - NOT AVAILABLE.

	CORN % MATURE		
	1986	1985	AVG.
COLO	0	0	0
GA	98	96	89
ILL	12	3	3
IND	9	3	2
IOWA	0	0	0
KANS	25	10	10
KY	30	18	12
MICH	0	0	0
MINN	0	0	0
MO	36	14	13
NEBR	1	0	0
N C	67	73	61
OHIO	4	7	1
PA	2	0	0
S DAK	1	0	1
TEX	71	59	NA
WIS	0	0	0

17 STATES 10 7 NA

EXCL. STATES WITH NA 9 5 4

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

NA - NOT AVAILABLE.

	SPRING WHEAT % HARVESTED		
	1986	1985	AVG.
IDAHO	62	44	42
MINN	49	40	71
MONT	55	65	60
N DAK	45	44	63
S DAK	86	87	92

5 STATES 55 54 68

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

	RICE % HEADED		
	1986	1985	AVG.
ARK	94	90	76
CALIF	50	45	50
LA	99	93	92
MISS	100	98	86
TEX	100	93	99

5 STATES 89 84 79

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

	RICE % HARVESTED		
	1986	1985	AVG.
ARK	4	2	2
CALIF	0	0	0
LA	61	48	46
MISS	7	3	NA
TEX	81	41	72

5 STATES 25 16 NA

EXCL. STATES WITH NA 26 17 21

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % HEADED		
	1986	1985	AVG.
ARK	96	NA	NA
ILL	95	NA	NA
KANS	90	75	65
LA	100	100	98
MISS	100	NA	NA
MO	96	90	84
NEBR	98	94	91
OKLA	75	90	80
S DAK	85	81	82
TENN	100	100	NA
TEX	90	93	91

11 STATES 92 NA NA

EXCL. STATES WITH NA 91 86 81

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % COLORING		
	1986	1985	AVG.
ARK	82	NA	NA
ILL	45	NA	NA
KANS	25	10	10
LA	98	93	87
MISS	86	NA	NA
MO	71	50	47
NEBR	35	10	15
OKLA	30	40	35
S DAK	31	14	23
TENN	80	75	NA
TEX	68	76	71

11 STATES 51 NA NA

EXCL. STATES WITH NA 47 38 37

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % MATURE		
	1986	1985	AVG.
ARK	52	NA	NA
ILL	0	NA	NA
KANS	4	0	0
LA	85	70	61
MISS	73	69	41
MO	26	15	14
NEBR	0	0	0
OKLA	5	2	5
S DAK	0	0	0
TENN	40	5	NA
TEX	61	61	61

11 STATES 28 NA NA

EXCL. STATES WITH NA 27 24 23

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

	GRAIN SORGHUM % HARVESTED		
	1986	1985	AVG.
ARK	34	7	10
ILL	0	0	0
KANS	0	0	0
LA	64	42	35
MISS	32	13	10
MO	4	0	0
NEBR	0	0	0
OKLA	0	0	0
S DAK	0	0	0
TENN	0	1	NA
TEX	54	55	57

11 STATES 20 17 NA

EXCL. STATES WITH NA 20 17 18

THESE 11 STATES PRODUCED 94% OF THE 1985 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

SOYBEANS % BLOOM				SOYBEANS % SETTING PODS				COTTON % SETTING BOLLS				COTTON % BOLLS OPENING			
	1986	1985	AVG.		1986	1985	AVG.		1986	1985	AVG.		1986	1985	AVG.
ALA	92	91	90	ALA	70	72	68	ALA	100	100	99	ALA	12	15	12
ARK	85	91	81	ARK	58	60	54	ARIZ	100	100	100	ARIZ	40	45	35
GA	93	97	90	GA	62	81	66	ARK	100	100	100	ARK	29	23	12
ILL	100	100	100	ILL	98	94	91	CALIF	100	100	96	CALIF	10	5	4
IND	100	100	100	IND	95	92	85	GA	99	100	99	GA	22	23	14
IOWA	100	100	99	IOWA	96	98	93	LA	100	100	99	LA	59	46	19
KANS	100	95	90	KANS	95	75	65	MISS	100	100	100	MISS	54	50	24
KY	90	83	84	KY	54	47	47	MO	100	100	99	MO	11	6	8
LA	98	95	93	LA	84	80	78	N MEX	95	100	100	N MEX	4	8	16
MICH	99	96	99	MICH	80	75	85	N C	98	98	99	N C	10	6	9
MINN	99	99	99	MINN	96	95	96	OKLA	90	85	80	OKLA	1	0	0
MISS	83	100	92	MISS	58	71	62	S C	96	100	100	S C	26	47	27
MO	96	99	88	MO	87	85	68	TENN	100	100	100	TENN	6	10	8
NEBR	100	100	100	NEBR	97	97	92	TEX	91	96	92	TEX	13	17	14
N C	80	84	82	N C	52	54	55	14 STATES	95	98	95	14 STATES	21	21	14
OHIO	100	100	100	OHIO	100	100	90	THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.	THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.						
S C	72	89	86	S C	40	51	54								
S DAK	94	97	100	S DAK	87	83	88								
TENN	90	91	95	TENN	65	70	65								
19 STATES	96	97	95	19 STATES	85	85	80								

For Information Call: (202) 447-7310

WEEKLY CROP WEATHER CONDITION PERCENT REPORT
FOR WEEK ENDING AUGUST 24, 1986

GRAIN SORGHUM						RICE						SPRING WHEAT					
STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX
ARK	0	5	55	40	0	ARK	0	0	11	89	0	IDAHO	0	4	34	54	8
ILL	0	0	8	70	22	CALIF	0	0	15	75	10	MINN	1	10	69	20	0
KANS	0	3	11	24	62	LA	0	0	19	64	17	MONT	0	0	23	67	10
LA	0	5	41	54	0	MISS	10	10	33	47	0	S DAK	0	6	42	47	5
MISS	3	11	67	19	0	TEX	0	0	23	62	15						
MO	2	6	37	49	6												
NEBR	0	0	4	58	38												
OKLA	0	0	18	80	2												
S DAK	0	0	24	71	5												
TENN	1	12	86	1	0												
TEX	0	2	40	48	10												

CORN						COTTON						SOYBEANS					
STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX
COLO	1	3	14	63	19	ALA	0	32	65	3	0	ALA	2	36	57	5	0
GA	18	37	39	5	1	ARIZ	0	0	0	85	15	ARK	10	24	60	6	0
ILL	0	0	8	37	55	ARK	0	17	30	44	9	GA	11	33	47	9	0
IND	0	1	23	65	11	CALIF	0	0	5	85	10	ILL	0	0	8	65	27
IOWA	1	0	4	45	50	GA	12	26	50	12	0	IND	0	4	28	64	4
KANS	0	0	5	24	71	LA	0	30	31	39	0	IOWA	1	0	4	68	27
KY	2	15	44	35	4	MISS	14	25	46	15	0	KANS	0	0	2	18	80
MICH	1	4	20	55	20	MO	0	25	58	17	0	KY	0	7	31	62	0
MINN	0	2	14	53	31	N MEX	0	0	0	100	0	LA	0	0	59	36	5
MO	1	4	16	52	27	N C	0	17	42	37	4	MICH	1	4	25	55	15
NEBR	0	0	2	39	59	OKLA	0	0	35	65	0	MINN	1	1	29	59	10
N C	27	28	29	14	2	S C	61	14	25	0	0	MISS	26	52	15	7	0
OHIO	0	0	11	69	20	TENN	0	2	52	46	0	MO	0	6	28	57	9
PA	2	7	17	46	28	TEX	0	6	48	40	6	NEBR	0	0	5	58	37
S DAK	0	1	9	68	22							N C	3	15	45	34	3
TEX	0	0	17	59	24							OHIO	0	0	25	67	8
WISC	1	0	4	41	54							S C	7	26	53	14	0
												S DAK	0	0	12	74	14
												TENN	1	16	74	9	0

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

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 near normal. Rainfall totals mostly under 0.50 in. Isolated areas 1.00 in.

Days suitable for fieldwork 5.9. Soil moisture 75% short, 25% adequate. Dry weather continued to stress crops. Primary activities: Harvesting corn, hay, sorghum, fruits, and vegetables; controlling insects, diseases on row crops; maintaining harvest equipment; routine care of livestock, poultry.

ALASKA: Cloudy, cool with rain slowed fieldwork, Railbelt-wide. Killing frost ended growing season most areas Tanana Valley. Temperatures ranged 16° below normal to 1° above normal. Seasonal precipitation ranged 3.12 in. wetter than normal to 1.52 in. drier than normal.

Days suitable for fieldwork 2.5. Topsoil moisture 1% short, 89% adequate, 10% surplus. Barley for grain over 65% turning color. Barley for grain harvest underway Delta Junction area. Second crop hay harvest delayed by wet weather. Potato prospects average. Early, market potatoes being harvested. Commercial vegetable harvest continued with excellent quality, quantities available.

ARIZONA: Monsoon active 17th to 18th. Weekly precipitation between 0.25 and 1.00 in., except 1.50 in. southeast, Prescott. Average temperatures 1 to 8° above normal.

Cotton fruit load heavy. Limited defoliation west. Pink bollworms, boll weevils, spider mites treated. Cotton leaf perforator increasing. Alfalfa harvest advanced, demand weak, growers stacking. Summer weeds central. Rain damage light. Corn tasseling southeast, growing west. Sorghum mostly heading. Sesame good. Peanuts, sudan grass good. Vegetable harvests seasonally slow. Cantaloups, honeydews shipped. Land preparation active for fall planted vegetables west. Apples harvested. Almonds shipped. Lemon harvest west. Volume moderate, quality good.

ARKANSAS: Temperatures near normal with only isolated showers. Temperature extremes 56°; 98°. Rainfall none to 0.44.

Days suitable for fieldwork 7.0. Soil moisture 62% short, 38% adequate. Crop growth moderate. Major activities: Cutting, baling hay; cultivating, irrigating crops; draining rice fields; harvesting rice, sorghum, corn, wine grapes, squash, apples; applying herbicides, insecticides; scouting for diseases, insects; disking turn rows, set aside acres; spraying pecans; repairing machinery. Herd health practices, marketing livestock active.

CALIFORNIA: High pressure aloft, centered over great basin, desert southwest, dominated weather pattern. Temperatures ranged from 1 to 4° above normal, warmest in southern State where influence of high pressure strongest. Moist southerly air flow around high pressure brought scattered thundershowers to Los Angeles basin, Mohave Desert, midweek. Week's end air mass stabilized, became dry.

Excellent weather promoted field crops. Cotton fields look good; opening bolls; spraying to control pests. Rice developing well; 50% headed. Safflower, sugarbeet harvests continued. Corn chopped for silage. Dry beans look good; harvest in few weeks. Alfalfa continued baled, green

chopped. Harvest near completion nectarines, peaches, pears, plums, prunes. Harvest active apples, grapes, grapefruit, Valencia oranges, almonds. Artichokes moderate variable quality central coast. Snap bean movement active; good quality, south coast. Broccoli moderate good quality, Salinas, Santa Maria; fall planting continued Huron district. Strawberry picking fresh market, processing moved toward completion Salinas-Watsonville. Carrots fairly heavy, good quality Salinas; desert carrots planted. Cauliflower, celery moderate good quality Salinas, Santa Maria. Sweet corn harvest full swing statewide good quality. Cucumber harvest continued San Joaquin Valley, south coast. Lettuce moderate, variable quality Salinas; Palo Verde Valley fields being prepared, early plantings in; fall planting Westside continued; early fields germinated. Melon picking continued statewide; good quality. Watermelon harvest very light, south coast; fall planting desert complete, good germination. Digging dry onions Perris-Hemet, summer potatoes, Santa Maria-Oceano, Hemet-San Jacinto continued; vines being killed early varieties, fall potatoes, Tulelake-Butte Valley; harvest start 2 weeks. Sweet potato, yam harvests active Fresno. Processing, fresh market tomato harvests active, good quality; momentum up south coast market tomatoes; volume canning reduced Westside. Ranges dry across State, causing movement of cattle. Water supplies dangerously low. Livestock good. Recent rains improved southern pastures.

COLORADO: Temperatures averaged 3 to 6° above normal. Precipitation totals averaged trace to 1.71 in.

Days suitable for fieldwork 6.0. Soil moisture 20% very short, 50% short, 30% adequate. Barley ripe 92%, 85% 1985, 86% avg.; harvested 69%, 72% 1985, 67% avg. Dry beans cut 12%, 8% 1985, 6% avg. Sorghum turning color 21%, 14% 1985, 13% avg. Livestock, ranges, pastures good.

FLORIDA: Generous daily summertime showers, thunderstorms in humid tropical air 18th through 22nd gave way to some atmospheric drying, less cloudiness, only widely scattered thundershowers latter half of week. Rainfall amounts averaged 1.00 to 2.00 in. near normal temperatures.

Soil moisture adequate except surplus few coastal areas. Corn harvest active. Tobacco harvest nearing completion. Soybeans, cotton, peanuts good. Hay good growth; harvest active. Pecan set good, some disease problems. Sugarcane normal progress. Panhandle pastures fair; continued to receive rain but haven't fully recovered from earlier drought. Remainder of north fair grazing. Pastures good to excellent south, central areas which kept areas' cattle generally excellent. Panhandle, northern cattle fair to good. Citrus very good to excellent; heavy rains reduced irrigation. New growth continued. Grapefruit being tested to project picking dates. Caretakers controlling cover crops. Freeze damage pruning continued. Fertilizations almost complete. Typical summer weather continued over vegetable producing areas. Daytime highs mid 90s, nighttime lows 70s. Moisture adequate to near excessive some areas. Land preparation, planting very active. Earlier planted fields making good progress. Limited supplies summer vegetables continued available from north, Panhandle.

GEORGIA: Thunderstorms brought 1.00 to 2.00 in. to much of State. Most fell early, midweek. Isolated amounts of 4.00 in. or more north. Few locations received less than 0.50 in. Temperatures averaged near normal. Hottest over weekend; 99° Jesup, 98° Savannah, Blakely. Coolest 58° Blairsville, 59° Clayton.

Days suitable for fieldwork 4.7. Soil moisture 10% very short, 50% short, 39% adequate, 1% surplus. Corn 59% harvested, 49% 1985, 39% avg. Sorghum grain 8% very poor, 32% poor, 50% fair, 10% good. Peanuts 5% very poor, 18% poor, 57% fair, 20% good; 1% dug, 6% 1985, 1% avg.; 2% threshed 1985. Soybeans 1% dropping leaves, 2% 1985, 2% avg. Tobacco 13% poor, 48% fair, 39% good; 81% harvested, 88% 1985, 84% avg. Apples 31% poor, 52% fair, 17% good; 40% harvested, 33% 1985, 46% avg. Pecans 4% very poor, 28% poor, 52% fair, 16% good. Pasture 11% very poor, 30% poor, 44% fair, 15% good. Hay 13% very poor, 39% poor, 35% fair, 13% good. Cattle 2% very poor, 14% poor, 68% fair, 16% good. Hogs 1% very poor, 4% poor, 47% fair, 47% good, 1% excellent. Main activities: Insect, disease control; harvesting; haying where scattered rains hit earlier; care of livestock, poultry.

HAWAII: Weather hot, humid. Some showers, mostly windward, mountain areas. Winds mostly easterly 5 to 20 mph. Temperatures ranged low 70s to low 90s. Record highs 20th, 24th. Rainfall ranged none to 2.40 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop progress. Sugarcane, pineapple harvesting active. Papaya production seasonal low. Irrigation prevalent major vegetable areas. High temperatures adversely affected some leafy vegetables.

IDAHO: High pressure system across State brought light showers late week, temperatures remained warm.

Days suitable for fieldwork 6.0. Harvest of small grains remained active. Potatoes mostly good, harvest getting underway. Second cutting alfalfa hay continued. Livestock mostly good. Dryland range, pastures providing limited grazing. Range fires continued problem due to dry conditions.

ILLINOIS: Temperatures averaged none to 8° below normal. Precipitation none to 0.76 in. Heaviest amounts southeast.

Days suitable for fieldwork 6.5. Soil moisture 35% short, 65% adequate. Soybeans turning yellow 13%, 4% 1985, 5% avg.; shedding leaves 3%, none 1985, none avg. Alfalfa 3% poor, 13% fair, 71% good, 13% excellent; alfalfa 3rd crop cut 75%, 64% 1985, 62% avg. Pasture 6% poor, 27% fair, 57% good, 10% excellent. Major farm activities: Harvesting corn for silage, seed; tending livestock, harvesting hay.

INDIANA: Moisture shortages became more pronounced as scant rainfall dampened only a few locations. Rain less than 0.25 in. Most fields went completely without new moisture. Cooler air helped keep stress on crops reduced for most of week. Highs reached upper 80s to around 90s. Lows in upper 40s, lower 50s. Average temperatures near to slightly below normal.

Fieldwork averaged 6.7 days. Topsoil moisture 80% short, 20% adequate. Subsoil moisture 51% short, 49% adequate. Corn mostly good. Soybeans mostly good. Soybeans 7% turning yellow, 3% 1985, 5% avg. Tobacco 6% harvested, 3% 1985, 2% avg. Winter wheat 23% land plowed, 15% 1985, 20% avg. Silos 8% filled, 3% 1985, 5% avg. Soil moisture became shorter lowering major crops, pasture conditions. Pastures mostly fair.

IOWA: Seasonably cool week; spotty showers west, little or none east. Temperature extremes 44°; 89°.

Days suitable for fieldwork 6.0. Topsoil moisture 4% short, 92% adequate, 4% surplus; subsoil moisture 2% short, 92% adequate, 6% surplus. Hay 1% poor, 11% fair, 68% good, 20% excellent. Third crop alfalfa harvested 32%, 51% 1985, 44% avg.; 2nd crop clover harvested 92%, 100% 1985, 92% avg. Cooler weather slows rapidly maturing corn, soybeans. Soybeans with leaves turning 5%, 7% 1985, 4% avg. Livestock mostly good; cool temperatures advantageous to all livestock. Pastures mostly good, some grasshoppers.

KANSAS: Precipitation averaged 1.02 to 1.88 in. central districts, trace to 0.33 in. elsewhere. Temperatures averaged 75 to 77° north and southwest, 79° south central, 78° southeast; 4° above normal northwest, near normal elsewhere.

Days suitable for fieldwork 4.0. Topsoil moisture 16% short, 54% adequate, 30 surplus. Sorghum heading ahead schedule, grain combining started southeast. Greenbug numbers low, no threat at present. Corn excellent progress. Common rust most prevalent disease. Soybeans excellent progress. Range, pasture good to excellent except fair northwest, west central. Many grain farmers preparing ground for fall wheat seeding.

KENTUCKY: Seasonably warm. Rainfall light west, normal east. Mean temperatures averaged middle 70s. Rainfall averaged 0.10 in. or less west, 0.75 to 1.00 in. east.

Days suitable fieldwork 5.4. Soil moisture 28% very short, 52% short, 20% adequate. Burley tobacco cutting, housing active. Burley 32% cut, 30% 1985, 20% avg. Dark 30% cut. All tobacco 2% very poor, 9% poor, 69% fair, 19% good, 1% excellent. Corn for grain 5% harvested. Silage cutting active. Soybeans mostly good. Pastures poor to fair. Sorghum fair to good.

LOUISIANA: Temperature normal to 2° above. Temperature extremes 63°; 98°. Rainfall averaged none to 0.92 in.

Days suitable for fieldwork 6.1. Soil moisture 44% short, 54% adequate, 2% surplus. Corn good; 99% mature, 98% 1985, 94% avg.; 82% harvested, 66% 1985, 54% avg. Rice 80% ripe, 66% 1985, 61% avg. Soybeans 7% leaves turning color, 3% 1985, 4% avg. Sugarcane good; 5% planted, 3% 1985, 4% avg. Sweetpotatoes fair to good; 25% harvested, 35% 1985, 24% avg. Hay final cutting 49% complete, 45% 1985, 23% avg. Vegetables fair; pasture, livestock fair to good. Main activities: Baling hay; planting sugarcane; harvesting corn, rice, sorghum, sweetpotatoes.

MARYLAND & DELAWARE: **Maryland:** Temperatures averaged 1° above normal over State; lowest temperature 55° Oakland; highest temperature 94° Chestertown. Precipitation averaged 2.30 in., ranging from 0.49 in. Oakland to 5.15 in. Bel Air.

Days suitable for fieldwork 3.5. Topsoil moisture short to mostly adequate. Subsoil moisture short. Field corn poor to fair; 52% dent, 61% 1985, 42% avg.; 4% mature. Corn for silage 12% harvested, 25% 1985, 20% avg. Soybeans fair to good; 83% blooming, 91% 1985, 87% avg.; 49% podding, 68% 1985, 61% avg. Tobacco good to excellent; 28% harvested, 40% 1985, 40% avg. Watermelons 87% harvested, 90% 1985. Cantaloupes 91% harvested, 81% 1985. Tomatoes 61% harvested, 81% 1985, 80% avg. Pasture poor to fair. Clover, other hays 3rd cutting 80% harvested, 98% 1985, 66% avg. Apples good. Peaches good to excellent. Peaches 63% harvested, 87% 1985.

Delaware: Temperatures averaged 10° above normal over State; lowest temperature 60° Wilmington; highest temperature 92° Milford. Precipitation averaged 2.01 in., ranging from 1.12 in. Wilmington to 3.14 in. Georgetown.

Days suitable for fieldwork 5.1. Topsoil moisture adequate. Subsoil moisture short to adequate. Field corn fair; 75% dent, 73% 1985, 56% avg.; 33% mature; corn for silage 40% harvested. Soybeans fair; 86% blooming, 99% 1985, 85% avg. Potatoes 90% harvested, 83% 1985, 91% avg. Watermelons 70% harvested, 78% 1985. Cantaloupes 95% harvested. Cucumbers 95% harvested. Lima beans 75% harvested. Tomatoes 70% harvested, 48% 1985, 64% avg. Pasture poor to fair. Alfalfa 3rd cutting 75% harvested, 38% 1985. Peaches good. Peaches 80% harvested. Apples good.

MICHIGAN: Temperatures ranged 30° below to 20° above normal. Temperature extremes 88°; 41°. Precipitation ranged 0.10 to 1.00 in.

Days suitable for fieldwork 6.0. Soil moisture 60% short, 40% adequate. Corn 55% dough, 70% 1985, 70% avg.; dent 5%, 10% 1985, 10% avg.; 1% very poor, 4% poor, 20% fair, 55% good, 20% excellent. Soybeans 99% bloomed, 96% 1985, 99% avg. Setting pods 80%, 75% 1985, 85% avg.; 1% very poor, 4% poor, 25% fair, 55% good, 15% excellent. Dry beans setting pods 85%, 75% 1985, 85% avg.; 3% very poor, 7% poor, 25% fair, 45% good, 20% excellent. Rain 23rd relieved dry conditions. Activities: Haying, tilling for winter wheat, apple, peach picking, vegetable harvesting. Vegetable quality excellent.

MINNESOTA: Temperatures averaged 20° to 50° below normal. Temperature extremes 38°; 92°. Precipitation averaged 0.24 to 1.05 in. above normal central one-third State, northeast; 0.07 to 0.55 in. below normal elsewhere. Greatest weekly total 2.78 in.

Days suitable for fieldwork 4.2. Topsoil moisture 8% short, 60% adequate, 32% surplus. Cool week across State. Combining of small grains slowed due to frequent rains. Small grain yields, test weights below normal. Fall plowing underway. Mid-section remains at surplus topsoil moisture. Spring wheat 71% cut, 62% 1985, 86% avg. Oats 93% cut, 95% 1985, 97% avg.; 85% combined, 83% 1985, 90% avg. Barley 90% cut, 91% 1985, 96% avg.; 72% combined, 67% 1985, 86% avg. Field corn 97% milk, 94% 1985, 95% avg. Soybeans 3% turning yellow, 2% 1985, 4% avg. Sweet corn 51% harvested for processing, 47% 1985, 47% avg. Flax 6% harvested, 10% 1985, 19% avg. Winter wheat 96% harvested, 84% 1985, 95% avg.; 7% planted 1987 crop, 2% 1985, 7% avg. Rye 96% harvested, 88% 1985, 96% avg.; 5% planted 1987 crop, 3% 1985, 5% avg. Small grain, hay 19% stubble plowed, 14% 1985, 21% avg.

MISSISSIPPI: Temperatures 1 to 20° above normal, extremes 60°; 96°. Dry air kept north from seeing rainfall, low pressure south provided scattered thunderstorms. Greatest 24-hour total 2.50 in.

Days suitable for fieldwork 6.1, 5.0 1985, 5.5 avg. Soil moisture 28% very short, 38% short, 34% adequate. Corn 4% poor, 27% fair, 56% good, 13% excellent; 99% dented; 83% mature, 84% 1985; 30% harvested, 19% 1985. Watermelons 95% harvested, 82% 1985. Hay 78% harvested, 76% 1985, 78% avg. Sorghum silage 71% harvested, 45% 1985, 47% avg. Corn silage 87% harvested, 62% 1985, 61% avg. Sweetpotatoes 22% harvested, 10% 1985, 10% avg. Peanuts 36% harvested, 30% 1985.

MISSOURI: Temperatures remained on cool side, averaging 50° below normal. Rainfall general with 2.00 in. totals Bootheel, West Central Plains. Rainfall generally around 0.50 in. across State.

Days suitable for fieldwork 4.5. Soil moisture 39% short, 48% adequate, 13% surplus. Sorghum 15% mature, 5% 1985, 8% avg. Harvest of corn, sorghum

beginning. Alfalfa 3rd cutting 78%, 66% 1985, 56% avg. Pasture 5% very poor, 22% poor, 40% fair, 31% good, 2% excellent.

MONTANA: Significant rainfall southwest, south central after midweek. Dry north central, mostly scattered light showers remainder. Temperatures 2 to 60° above normal west, southeast. About 20° above normal central and southwest, normal to 20° above elsewhere.

Days suitable for fieldwork 6.5. Topsoil moisture 80% short, 20% adequate. Subsoil moisture 55% short, 45% adequate. Barley harvested 55%, 60% 1985, 60% avg. Second cutting alfalfa 70%, 80% 1985, 70% avg. Wild hay harvested 100%, 100% 1985, 90% avg.

NEBRASKA: Amounts averaged 0.10 in. northwest to 1.50 in. east central, southeast. Temperatures 20° to 40° below normal. Temperature extremes 40°; 102°.

Days suitable for fieldwork 4.2. Topsoil moisture 25% short, 45% adequate, 30% surplus. Subsoil moisture 18% short, 65% adequate, 17% surplus. Corn excellent to good. Soybeans, sorghum good to excellent. Third cutting 50%, 60% 1985, 50% avg. Pasture, range mostly adequate. Horn fly numbers on increase southwest.

NEVADA: Moist, unstable air flowed into southern sections early in period. Air mass moved north midweek bringing scattered showers, thunderstorms. Remainder of week drier air. Rainfall mostly light for entire period. Temperatures averaged 4 to 50° above normal. Extremes 39°; 114°.

Melon harvest well along. Harvesting operations delayed temporarily by light, scattered showers, gusty winds. Ranges continued to deteriorate from above normal temperatures, lack significant precipitation.

NEW ENGLAND: Mean temperatures 20° below normal; low to mid 60s northern sections, mid to upper 60s central and southern sections, 70s coastal. Precipitation above normal; 1.00 to 2.00 in. with locally heavy amounts northern sections, 2.00 to 3.00 in. southern sections.

Days suitable for fieldwork 4.4. Soil moisture 47% adequate, 53% surplus. Grazing availability 8% short, 61% adequate, 31% surplus. Fieldwork 2.9 days behind schedule. Maine potatoes good. Field corn fair to good north, good south. Sweet corn 57% picked, 53% 1985, 57% avg.; good to excellent. Second crop hay 65% cut, 78% 1985, 76% avg.; good to excellent. Shade tobacco 75% picked, good; outdoor tobacco 60% picked; good. Vegetables, early fruit harvest active. Major field activities: Preparing machinery for harvest, harvesting fruits and vegetables, applying pesticides, haying between showers.

NEW JERSEY: Temperatures averaged slightly below normal. Extremes 49°; 86°. Rainfall averaged 1.38 in. north, 1.57 in. central, 1.34 in. south. Heaviest 24-hour total 1.38 in. on 21st, 22nd. Estimated soil moisture percent field capacity averaged 78% north, 83% central, 67% south. Four inch soil temperatures averaged 70° north, 72° central, 69° south.

Most areas received good rain. Current cool temperatures beneficial. Harvest of late summer vegetables active. Irish potato digging increased. Sweetpotato prospects good. Harvest of late season peaches progressed rapidly. Fall apples sizing well. Corn silage making underway. Prospects for corn for grain good to excellent most areas. Soybeans setting pods. Pastures green, growth good.

NEW MEXICO: Average weekly temperatures few degrees above normal over most of State.

Temperatures 38° northwestern plains, western mountains to 108° southeastern plains. Rain over most of State. Precipitation 0.04 in. southeastern plains to 3.75 in. northeastern plains.

Days suitable for fieldwork 6.7. Soil moisture 78% short, 22% adequate. Hail damage 71% none, 29% light. Alfalfa 14% poor, 29% fair, 57% good. Corn 14% fair, 72% good, 14% excellent. Irrigated grain sorghum 20% good, 80% excellent. Dryland grain sorghum 50% poor, 50% fair. Pecans 20% fair, 60% good, 20% excellent. Apples 33% fair, 67% good. Chile 80% good, 20% excellent. Lettuce 33% fair, 67% good. Cattle 20% fair, 70% good, 10% excellent. Sheep 100% good. Range 40% fair, 60% good.

NEW YORK: Temperatures 1 to 2° above normal. Mild weather most of week. Cooler weather later week. Dry through midweek except in extreme southeast, fairly heavy rains late week. Rainfall ranged 0.25 to 0.75 in. mostly but was heavier in Adirondacks, Catskills, Long Island.

Days suitable for fieldwork 5.5. Corn crop remains good. Wheat harvest essentially done. Oat harvest 65%, 81% 1985, 75% avg. Oat lodging remains a problem. Second cutting alfalfa hay 75%, 85% 1985, 83% avg. Pastures good, soil moisture adequate to surplus. Bartlett pear, early apple varieties harvest in full swing. Rains, cool temperatures delaying Orange County onion harvest.

NORTH CAROLINA: Temperatures averaged near normal across State. Temperature extremes 56°; 93°. Precipitation ranged from 0.55 to 10.00 in.

Days suitable for fieldwork 2.8. Soil moisture 3% very short, 29% short, 44% adequate, 24% surplus. Corn very poor to fair. Corn for silage harvested 55%, 31% 1985, 34% avg. Cotton fair to good, bolls opening. Soybeans improved mostly fair to good, flowering, setting pods. Sorghum 9% very poor, 31% poor, 46% fair, 12% good, 2% excellent. Tobacco 3% very poor, 10% poor, 45% fair, 41% good, 1% excellent. Flue-cured tobacco harvested 45%, 40% 1985, 61% avg. Burley tobacco harvested 5%, 9% 1985, 3% avg. Peanuts 50% fair, 50% good. Sweetpotatoes 4% poor, 24% fair, 68% good, 4% excellent. Apples 11% poor, 63% fair, 26% good; harvested 9%, 10% 1985, 11% avg. Peaches harvested 98%, 94% 1984, 93% avg. Hay 10% very poor, 32% poor, 42% fair, 13% good, 3% excellent. Pasture 10% very poor, 25% poor, 44% fair, 20% good, 1% excellent. Major farm activities: Harvesting tobacco, vegetables, fruit, hay, corn; cutting corn silage; suckering, topping burley tobacco; spraying soybeans, peanuts, cotton; marketing tobacco; tending livestock; shearing Christmas trees; mowing; arranging for hay deliveries; general farm maintenance.

NORTH DAKOTA: Varied temperatures with showers, thunderstorms. Golf ball-sized hail south central 19th. Temperatures below normal except northwest; low 37° southwest 17th, high 99° southwest 19th. Rainfall varied from trace to over 2.00 in.; southeast received most.

Days suitable for fieldwork 5.2. Supplies of topsoil moisture still much above average 3% very short, 22% short, 74% adequate, 1% surplus. Small grain harvest continued to run behind normal due to rain, heavy dews. Combining progress: Hard red spring wheat 45%, 44% 1985, 63% avg.; durum wheat 31%, 26% 1985, 49% avg.; barley 69%, 74% 1985, 85% avg. Row crops still rate mostly good to excellent with development ahead of normal. Sunflower rayflowers dried and beyond 33%, 17% 1985, 34% avg.; potato vines killed, not dug 33%, 9% 1985, 9% avg.; flax combined 1%, 5% 1985, 10% avg.; dry beans lower leaves yellowing and beyond 49%, 21% 1985, no available avg. Fall fieldwork has begun.

OHIO: Temperatures near normal northern areas, 2° higher than normal southern stations. Extremes upper 40s to 90s. Precipitation light, 0.75 southeast.

Days suitable for fieldwork 6.5. Soil moisture 70% short, 30% adequate. Activities: Hay baling, housing tobacco, harvesting carrots, processing tomatoes. Corn good to excellent, well along in dough stage, earliest stands mature. Soybeans good, late planted fields showing considerable stress due to lack of moisture. Pastures deteriorating. Livestock being fed hay southeast, water supplies short.

OKLAHOMA: Temperatures averaged normal southeastern third to 2° above normal southwest. Precipitation averaged 0.02 in. northeast to 0.34 in. north central.

Days suitable for fieldwork 6.0. Topsoil moisture 48% short, 50% adequate, 2% surplus. Subsoil moisture 48% short, 52% adequate. Wheat 1% planted, none 1985, none avg. Sorghum 18% fair, 80% good, 2% excellent; 75% heading, 90% 1985, 80% avg.; 30% coloring, 40% 1985, 35% avg. Cotton 35% fair, 65% good; 98% squaring, 100% 1985, 99% avg.; 90% setting bolls, 85% 1985, 80% avg. Boll weevils infested southwest fields. Pastures mostly good, recent rains prolong need for supplemental feeding. Cattle good, marketings average, prices steady to slightly lower than preceding week.

OREGON: Temperatures normal or slightly above normal coast; 2 to 5° above normal Willamette Valley; 4 to 7° above normal southwest, east of Cascades. Precipitation up to 0.50 in. northeast mountains; lighter amounts southeast. Both areas afternoon, evening thundershowers. Trace of precipitation fell coastal area. Elsewhere week dry.

Soil moisture 95% short, 5% adequate. Barley 89% harvested. Grain harvest virtually completed, only high country east remaining. Grass seed harvest mostly completed. Field burning. Mint harvest near end Willamette Valley, Malheur County; yet to come north central. Red clover seed harvest continued. Sugarbeet seed harvest completed Jackson County. Harvest of vegetable seed, flower seed began most growing areas. Hop harvest continued Willamette Valley. Field corn finished silking Hermiston, second earworm spray some fields. Second cutting hay high country east. Alfalfa seed harvest began Malheur County. Carrot seed, alfalfa planting well along central. Field preparation for fall planting all areas. Moisture needed. Peach harvest continued Willamette Valley, yields variable due to May frosts. Gravenstein apple harvest continued west. Bartlett pear harvest finished Medford, full swing Hood River. Bosc, Anjou pear harvest started Medford. Blackberry harvest continued west. Fertilizing, irrigating strawberry fields Willamette Valley. Some blueberry picking continued southern coast. Cranberry fruit sizing, coloring well. Sweet corn harvest underway all western areas, yield prospects good. Onions lifted Willamette Valley, harvested Malheur County. Norgold potato harvest continued Hermiston-Boardman, harvest began Klamath County. Burbank potatoes sizing well central areas, harvest started Malheur County. Broccoli, cucumber harvests continued west. Fall cole crops need rain. Cantaloupes, tomatoes harvested Jackson County. Easter lily bulb harvest began coast. Livestock good. Most sheep shorn. Range, pastures mostly poor. Non-irrigated pastures very dry west. Eastern rangeland needs rain. Fire danger extreme. Rangeland, forest fires burned much grazing land east.

PENNSYLVANIA: Unsettled, showery week across eastern half of State. Western half had dry, sunny weather. Strong cold front ushered fresh, cool

Canadian air late week. Average temperature 70°, 10° above normal. Temperature extremes 47°; 92°. Average precipitation 1.16 in., 0.32 in. above normal.

Days suitable for fieldwork 4.0. Soil moisture 16% short, 67% adequate, 17% surplus. Corn 58% dough, 20% dented, 2% mature; 1985 60% dough, 14% dented; avg. 60% dough, 11% dented. Corn 2% very poor, 7% poor, 17% fair, 46% good, 28% excellent. Soybeans 1% very poor, 4% poor, 15% fair, 45% good, 35% excellent. Oats harvested 96% complete; 84% 1985. Potato harvest 41% complete; 38% 1985. Tobacco harvest 30% complete; 30% 1985. Fall plowing 28% complete; 26% 1985. Second cutting alfalfa 96% complete; 94% 1985. Third cutting alfalfa 63% complete; 58% 1985. Second cutting clover-timothy 82% complete; 81% 1985. Quality of hay made fair to good. Amount of feed being obtained from pastures average to above average. Apple harvest 26% complete; 22% 1985. Peach harvest 70% complete; 78% 1985. Activities: Making hay, haylage; harvesting oats, peaches, apples, potatoes, tobacco, other vegetables; fall plowing.

PUERTO RICO: Island average rainfall 0.20 to 1.53 in. below normal. Highest weekly total 1.98 in. Highest 24-hour total 1.33 in. Temperature averaged about 82 to 83° on coasts, 77° interior divisions. Mean station temperature ranged 68 to 84°. Extremes 57°; 95°. Mean Temperature 83°, rainfall total 0.07 in., minus 1.29 in.

SOUTH CAROLINA: Temperatures 2 to 3° below normal. Widespread rainfall. Heavy showers, flooding, heavy erosion some areas. Drought moderated, water deficits continued.

Days available for fieldwork 3.4. Soil moisture 10% very short, 29% short, 54% adequate, 7% surplus. Cotton setting bolls 96%, 100% 1985, 100% avg.; 26% open bolls, 47% 1985, 27% avg.; 61% very poor, 14% poor, 25% fair. Soybeans blooming 72%, 89% 1985, 86% avg.; setting pods 40%, 51% 1985, 54% avg.; 7% very poor, 26% poor, 53% fair, 14% good. Tobacco fair; harvested 74%, 78% 1985, 81% avg.; stalks destroyed 10%, 10% 1985. Corn poor; mature 91%, 93% 1985, 84% avg.; harvested 33%, 26% 1985, 22% avg. Peanuts fair; none harvested, 1% 1985. Peaches good. Apples fair, grapes poor to fair. Pastures, hay fair.

SOUTH DAKOTA: Average temperatures 3° above to 6° below normal. Extremes 36°; 104°. Precipitation 1.00 to 2.00 in. northeast, less 0.75 in. remainder.

Days suitable for fieldwork 4.4. Topsoil moisture adequate east, short west; 6% critically short, 40% short, 42% adequate, 12% surplus. Row crops maturing at or ahead of normal pace. Crops mostly good. Range, pastures, livestock mostly good. Feed, stockwater adequate to surplus.

TENNESSEE: Temperatures 1 to 4° above normal. Precipitation 70s eastern half of State, most under 0.50 in.

Soil moisture 16% very short, 71% short, 13% adequate. Crops mostly fair to poor except cotton, fair to good. Corn 85% dented, 80% 1985, 75% avg.; 45% mature, 35% 1985, 20% avg.; 2% harvested for grain, 3% 1986, none avg. Tobacco 70% topped, 90% 1985, burley 25% harvested, 30% 1985, 30% avg.; dark-fired 25% harvested, 35% 1985, 30% avg.; dark-air cured 15% harvested, 35% 1985, 30% avg. Hay supplies tight. Pastures improved, more rain needed to sustain forage growth. Supplemental livestock feeding continued.

TEXAS: Hot, dry conditions most State, scattered showers Plains, along Coast. Harvesting activities good progress central, east, Blacklands. Showers Plains should help improve conditions. Moisture

aided land preparation winter wheat. Light planting beginning. Spring planted dryland yields fair, good. Hot, dry weather beginning reduce condition ranges, pastures. Livestock good; weight gains slow because lack of grazing.

Crops: Corn good maturing Plains. Silage harvesting. Showers improve conditions. Most harvesting completed Blacklands, central good yields. Harvesting some fields east. Harvested 62%, 47% 1985, 40% avg. Grain sorghum harvest Plains, Cross-Timbers. Yields good. Yields Hill Country lower average. Most fields harvested Blacklands. Some fields short moisture. Harvested 54%, 50% 1985, 54% avg. Cotton harvest beginning Central. Most fields completed south, Rio Grande Valley. Hot weather hurting cotton Plains, Cross-Timbers. Plains increase bollworms occurred. Chemical treatment begun. Most fields good progress, bolls opening rapidly. Harvested 10%, 10% 1985, 8% avg. Rice harvested rapidly, good yields. Dryland peanuts suffer Cross-Timbers, Plains from hot drying winds. Irrigated fields fine. Weeds problem Blackland fields. Fields pegging, blooming, harvest south. Soybean harvest early fields Upper Coast. Yields fair. Later fields need rain. Plants loading Plains. Prospects good. Other crops harvested: Peanuts 5%, 2% 1985, 2% avg. Soybeans none, 2% 1985, none avg. Other crops planted: Wheat 2%, none 1985, none avg. Oats 2%, none 1985, none avg.

Commercial Vegetables: Rio Grande Valley, land preparation, some planting underway. Celery transplants set out. East, sweetpotato harvest, quality good. Watermelon harvest. High Plains, carrot harvest. Harvest cabbage, cucumbers, sweet corn, watermelons. Trans-Pecos, tomato harvest. Harvest chili peppers. Pecan harvest nearing South. Other areas showing larger nut drop because hot, dry condition. Weevils increasing.

Range and Livestock: Ranges, pastures fair across State; drying rapidly. Recent rain Plains helped. Hay cutting some areas, yields lower. Livestock weight gains slowed less forage availability. Marketing steady. Some broilers died from extreme heat.

UTAH: Temperatures 4 to 6° above normal. Precipitation general; heavy north central, north mountains--moderate west, south central.

Days suitable for fieldwork 6.0. Topsoil moisture 25% short, 75% adequate. Winter wheat 85% harvested, 84% 1985, 78% avg.; barley 84% harvested, 81% 1985, 67% avg.; spring wheat 73% harvested, 67% 1985, 43% avg.; oats 40% harvested, 61% 1985, 42% avg. Alfalfa 3rd cut 15% complete. Peach, pear harvests underway, progress about 2 weeks ahead normal. Early apple harvest underway. Ranges mostly fair, livestock good to excellent.

VIRGINIA: Abundance of rain. Range 1.50 in. southwest to 3.30 in. central. Temperatures averaged near normal.

Days suitable for fieldwork 1.7. Soil moisture 23% short, 46% adequate, 31% surplus. Crop conditions improved with rain. Corn cut for silage 12% complete, 12% 1985, 27% avg. Corn in dough 75% complete, 87% 1985, 82% avg. Corn in dent 58% complete, 56% 1985, 67% avg. Corn in mature stage 40% complete, 28% 1985, 38% avg. Corn still poor to very poor despite rain. Soybeans poor but rain improved. Soybeans in bloom 84%, 92% 1985, 89% avg. Soybeans setting pods 56% complete, 66% 1985, 60% avg. Corn ear worm infestation heavy. Flue-cured tobacco harvest 20% complete, 22% 1985, 42% avg. Fire-cured tobacco harvest 8% complete, 35% 1985, 50% avg. Burley, sun-cured tobacco harvest just beginning. Tobacco fair to good. Apples mostly good, sizing well. Harvest advancing normally. Peanuts good to excellent. Pasture, hay improved with rain.

(Continued to back cover)

Global Weather Satellite Image

AUGUST 23, 1986



International Weather and Crop Summary

August 17 - 23, 1986

HIGHLIGHTS:

UNITED STATES ... Delta farmers receive only limited rainfall and crops continue to be stressed. Showers in the Atlantic Coast States benefit most crops, but additional precipitation is needed in many areas.

U.S.S.R. ... In Western U.S.S.R., showers continue over the north delaying fieldwork but providing ideal topsoil moisture for winter grain planting. In the New Lands, unseasonable cool, wet weather in the north slows crop development.

EUROPE ... Widespread rain slows harvesting in the north but increases topsoil moisture for winter grain planting.

SOUTH ASIA ... Minimal rain persists throughout southern and northwestern India where soil moisture is unfavorable for development of cotton, rice, and groundnuts.

EASTERN ASIA ... Typhoon Wayne brings moderate to heavy rain to coastal areas in Guangdong and Fujian and likely produces widespread flooding in Taiwan. Dry weather in the Manchurian Valley aids summer crop maturation.

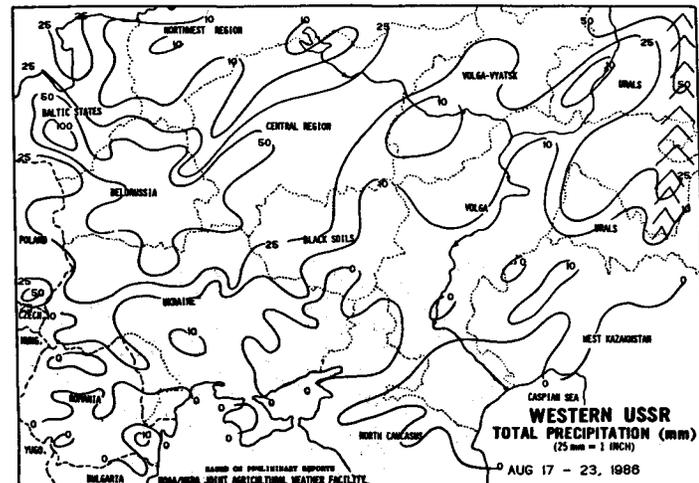
MEXICO ... Some rain falls in most crop areas, but weekly totals were generally below average.

CANADA ... Dry weather favors early harvesting.

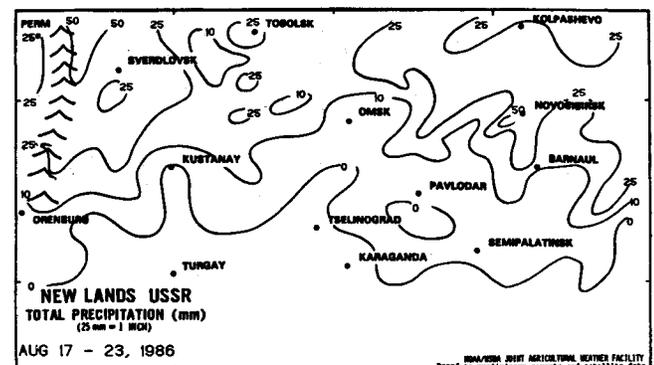
SOUTHEAST ASIA ... Light rain in Thailand benefits maturing corn. In the Philippines, moderate to heavy tropical showers fall throughout northern Luzon.

SOUTH AMERICA ... Light rain provides some help to emerging wheat in Argentina. In Brazil, rain continues to improve conditions from Parana to Southern Minas Gerais.

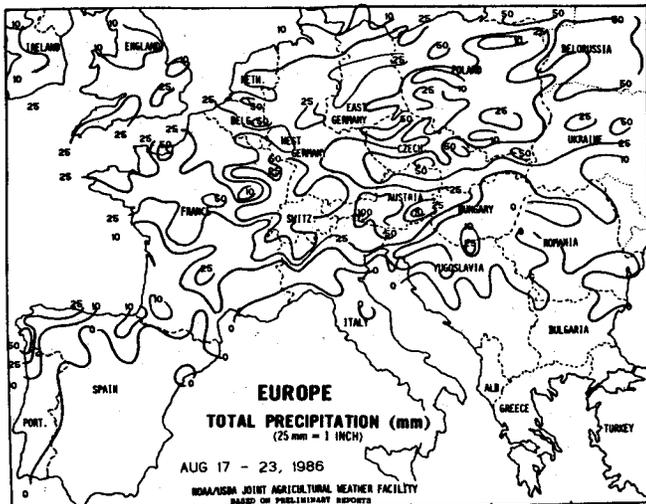
AUSTRALIA ... Minimal rain returns to wheat areas in northern New South Wales and southeast Queensland.



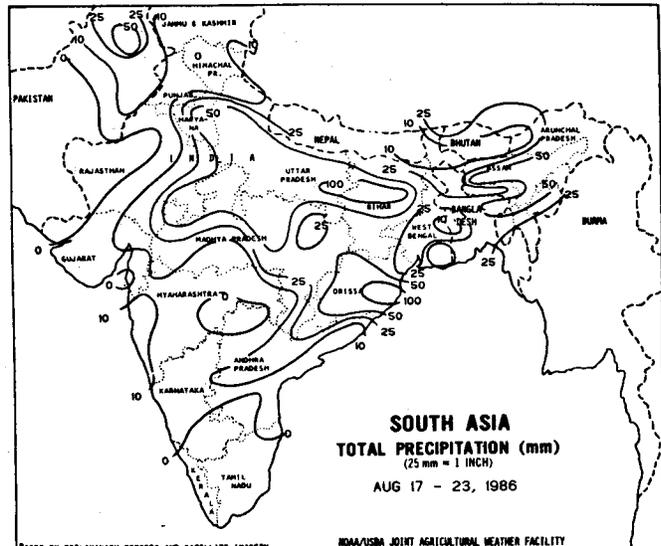
U.S.S.R. ... In Western U.S.S.R., an intense storm system developed over the northwest after midweek, producing moderate rain and gusty winds. Heaviest rainfall (50 to 128mm) covered crop areas in the southern Baltic States, Belorussia, and the extreme western portion of the Central Region, causing harvest delays. Winter grain planting is normally underway across the north, and widespread rain (10 to 32mm) provided adequate topsoil moisture for seed emergence. However, drier weather is needed to increase the planting pace. Mostly dry weather continued over the southern Ukraine, North Caucasus, and lower Volga, favoring summer crop maturation and aiding harvest activity. Rain is needed in these areas to increase topsoil moisture for winter wheat planting which normally begins in mid-September.



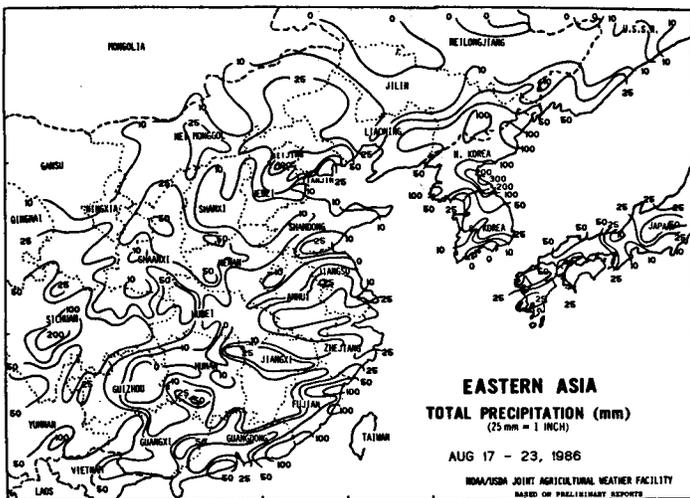
In the New Lands, unseasonable cool, wet weather continued across northern spring wheat areas, slowing crop development. Warm, dry weather is needed in the north to promote late development and hasten crop maturity. Further south, unseasonable warm, dry weather covered crop areas in Kazakhstan, favoring crop maturation and aiding harvesting.



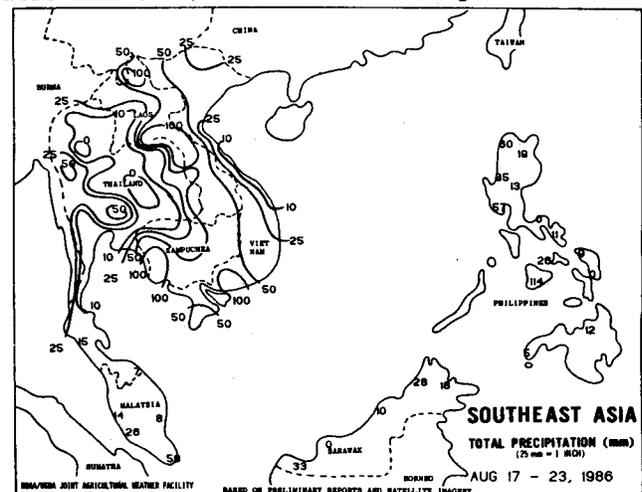
EUROPE ... Widespread wet weather (25 to 50mm) covered the northern half of the region. Heaviest precipitation covered crop areas in England, northern France, Czechoslovakia, and Poland. The rain in these areas likely caused harvest delays but increased topsoil moisture for winter grain planting which normally begins in early September. The rain in northern France was especially beneficial, following the summer's drought. Mostly dry weather in southwestern France favored corn maturation. Dry weather spread eastward from Spain, through Italy, into southeastern areas, favoring crop maturation and aiding harvesting.



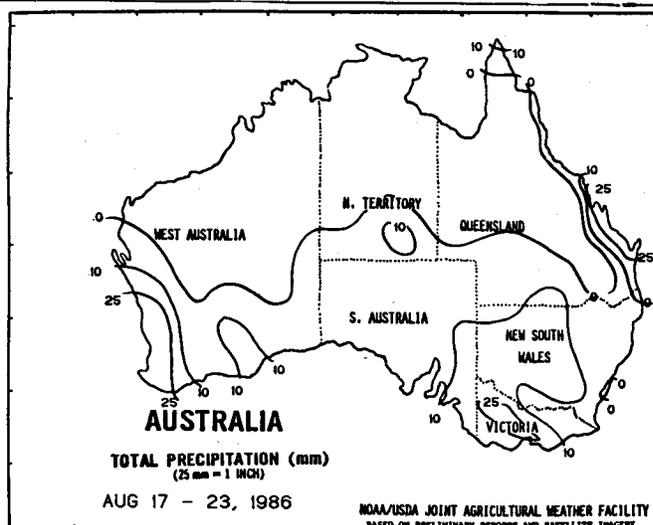
SOUTH ASIA ... Minimal rainfall (less than 10mm) persisted throughout moisture-deficient northwestern and southern India, impeding the development of cotton, groundnuts, and rice. The dry area extended from Gujarat to Punjab in the west and from Tamil Nadu to southern Madhya Pradesh in the south. Groundnuts are usually in the critical flowering to pegging stages at this time in southern India and nearing reproduction elsewhere. Cotton is normally setting bolls in the northern states but vegetative to flowering further south. Rice is mostly in the heading stage throughout India. Moderate to heavy monsoon showers (50 to more than 100mm) fell throughout Orissa, northern Madhya Pradesh, Bihar, and Uttar Pradesh, benefiting rice and replenishing moisture reserves for planting winter crops. Moderate to heavy rain (10 to more than 50mm) fell from West Bengal to Assam.



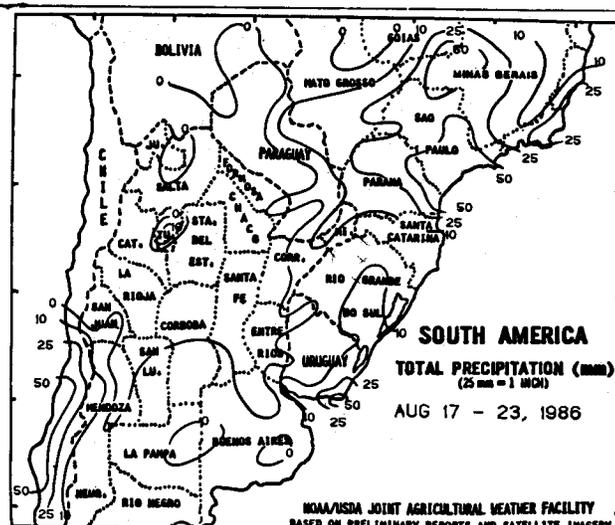
EASTERN ASIA ... Dry weather in eastern Shanxi, southern Hebei, and northern Shandong aided early corn and soybean harvesting. Wet weather (67 to 90mm) in central and eastern Sichuan likely delayed early corn harvesting but was favorable for late single crop rice in the heading stage. Mostly dry weather in Liaoning, Jilin, and Heilongjiang favored corn and soybean maturation. Light showers (10 to 25mm) over cotton areas in the North China Plain aided boll formation. Typhoon Wayne developed in the South China Sea during midweek and moved northeastward into the Formosa Strait and Taiwan. Wayne produced moderate to heavy rain (50 to 145mm) along coastal areas of Guangdong and Fujian. Inundative rain covered Taiwan with precipitation amounts exceeding 200mm. Late double-cropped rice areas in Jiangxi and Zhejiang benefited from light rain.



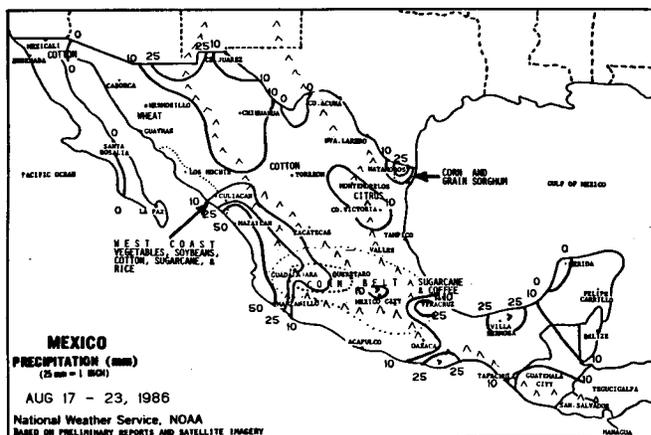
SOUTHEAST ASIA ... Minimal rain (less than 10mm) favored maturing corn in central Thailand. However, the dry weather extended into rainfed rice regions in the north and east. Heavier rainfall (25 to more than 50mm) benefited rice north of Bangkok and in far eastern Thailand along the southern Laos border. Light rain (less than 25mm) fell in northwest Laos, northwest Kampuchea, and coastal Vietnam. Moderate to heavy showers (25 to more than 100mm) fell from northern Vietnam and Laos to southern Kampuchea. In the Philippines, moderate to heavy tropical showers (19 to more than 100mm) covered western and northern Luzon. Mostly light, scattered tropical showers fell throughout the southern islands.



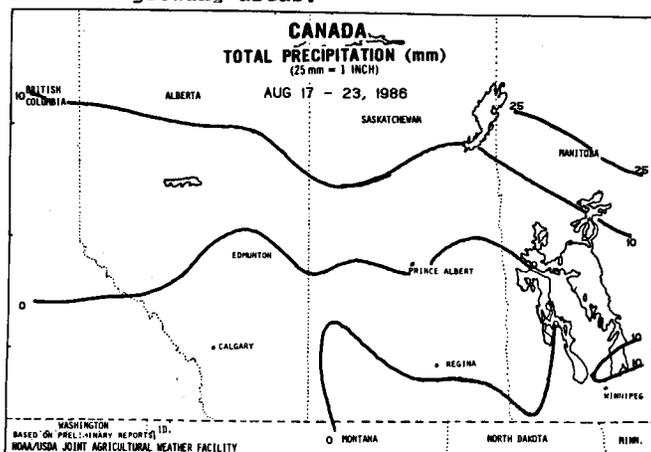
AUSTRALIA ... Minimal rain (less than 3mm) fell in wheat areas of northern New South Wales and southeast Queensland. Although soil conditions have greatly improved since early July, more rain will be needed as seasonal warming throughout Australia increases the growth rate and moisture demand of the crop. Moderate to heavy showers (10 to 30mm) benefited vegetative wheat in southern New South Wales and western Victoria. Light to moderate rain (3 to 25mm) covered South Australia, central Victoria, and Western Australia with heavier rainfall (greater than 25mm) along Australia's west coast. Presently, moisture reserves are good in the western and southern wheat regions for vegetative growth.



SOUTH AMERICA ... In Argentina, light rain fell over most wheat areas. Weekly amounts averaged 1 to 8mm in southern Cordoba, La Pampa and Buenos Aires, providing only minimal topsoil moisture for wheat establishment. The wheat crop is reportedly 90 to 95 percent planted. Warmer spring weather in upcoming weeks will prompt an increase in moisture necessary for crop development. Moisture is currently limited due to the generally dry winter months, especially in southern Buenos Aires. Dry weather prevailed this past week over most of Santa Fe and northern Cordoba. In Brazil, drier weather occurred over Rio Grande do Sul, with weekly rainfall amounts averaging 1 to 14mm. Substantial rain (25 to 95mm) fell again from northern Parana through Sao Paulo and southern Minas Gerais, improving moisture supplies following the long dry spell. The rain helped immature wheat but delayed harvesting in northern growing areas.



MEXICO ... Some rain fell over most of the country but weekly totals generally were below average. Substantial showers (15 to 74mm) benefited crops in the extreme western corn belt, and along the west coast from near Manzanillo in the south to the southern portion of Sinaloa's major farming region in the vicinity of Culiacan. Scattered light showers fell elsewhere in the Southern Plateau corn belt with only isolated amounts of up to 10mm or more. Further south, weekly rainfall averaged 10 to 29mm, promoting early corn growth. However, the Yucatan peninsula was mostly dry. Light showers (1 to 8mm) covered much of northern Mexico, causing minimal interference with crop harvesting. Locally heavier showers (10 to 24mm) helped grazing lands in the north-central region and immature crops in the northeast.

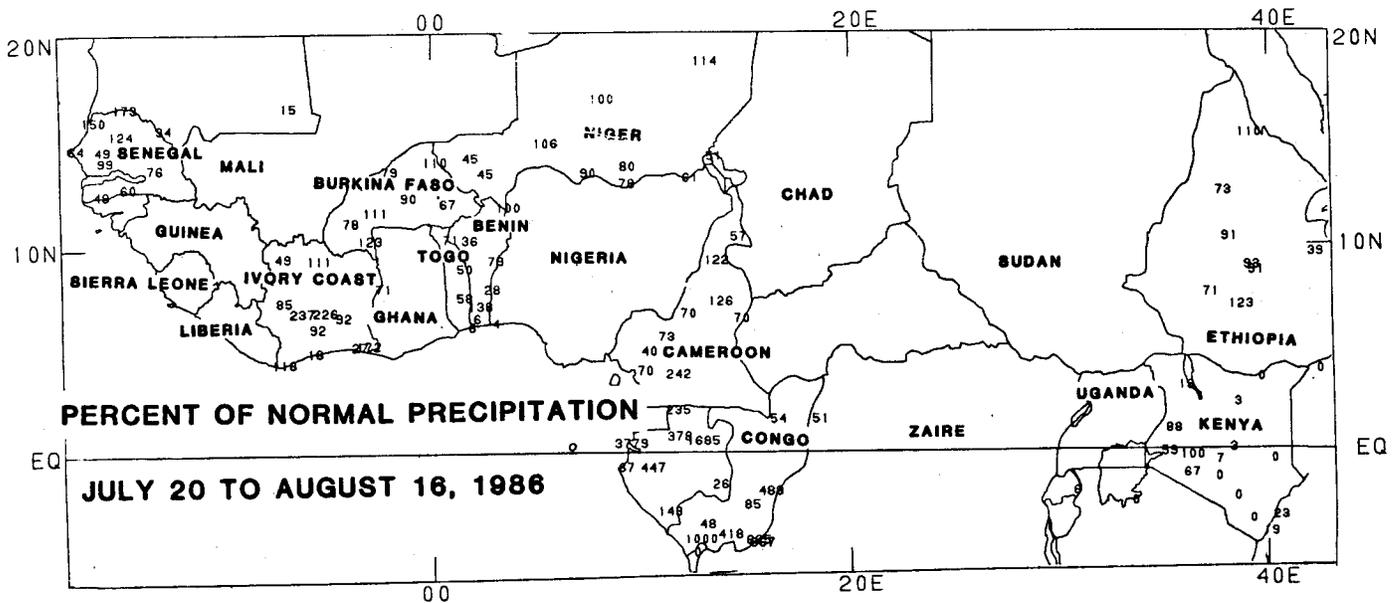
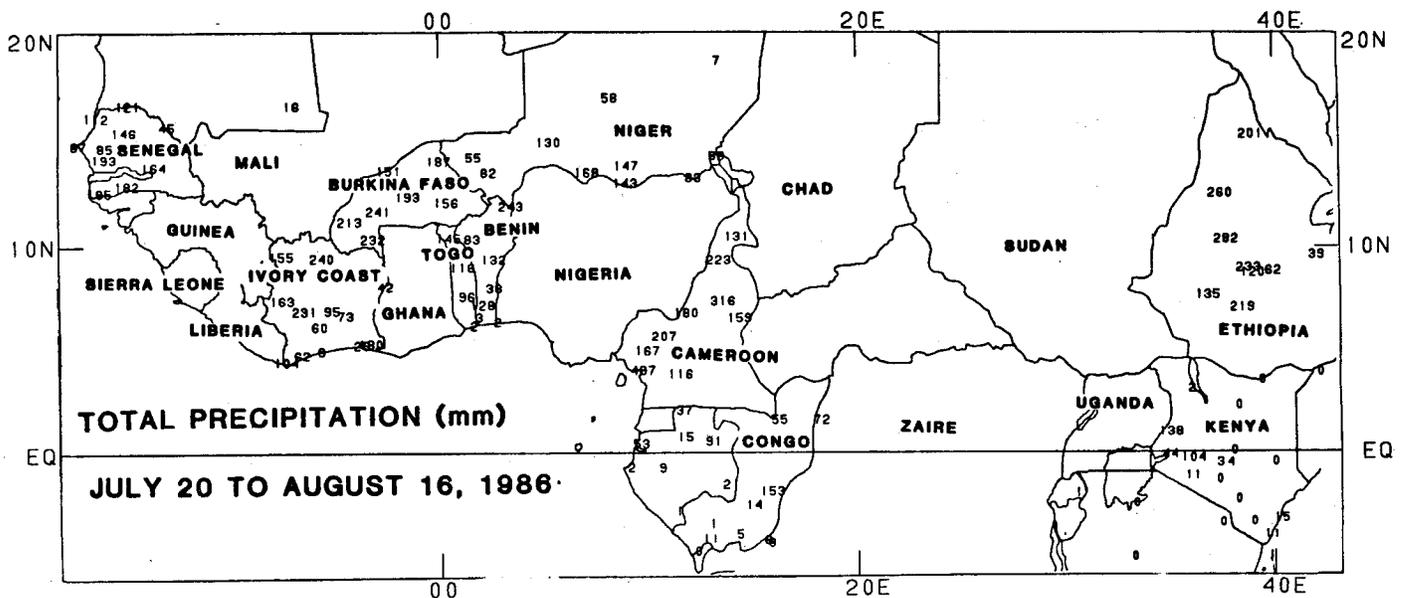


CANADA ... Mostly dry weather continued over the Prairie grain belt. Very light showers (less than 5mm) fell over extreme northern crop areas and extreme southern Saskatchewan. In Manitoba, weekly rainfall averaged about 5 to 10mm in southeastern crop areas. Spring grains and oilseeds are maturing. Harvesting has begun with 18 percent of Saskatchewan's grain crops reportedly swathed as of August 21. Saskatchewan's harvest is most advanced in southwestern and south-central growing areas. Temperatures generally averaged near normal. Minimum temperature extremes reached a low of 1 to 5 degrees C, producing a light scattered frost in some areas. Mild daytime temperatures, averaging in the mid-20's C, promoted crop maturity.

MID-AFRICA AGRICULTURAL WEATHER SUMMARY

AFRICA...In West Africa, crops generally progress through vegetative growth phases from mid-July through mid-August. By late August, cereals and oilseeds normally reach the moisture-sensitive reproductive cycle, which extends into early September. Rainfall continued mostly unfavorable for crops in the Groundnut Basin of Senegal during July. Crop planting was delayed by dryness. During the first half of August, below-average rainfall continued over most of Senegal and extended into southwestern Mali. Early-August rain produced above-average totals for the past 4 weeks in northern Senegal only. Recent showers have helped crop growth in Mali, but a severe moisture deficiency persisted in Senegal's major crop growing area. In Niger, rainfall was generally favorable for crop development. There were some isolated dry spots in western Niger. Recently, rainfall has been light but in frequent intervals. In Burkina Faso, rainfall has been mostly favorable for crop development with frequent rain from mid-July through mid-August, aiding crops as they begin to enter the critical heading/filling stage. Isolated areas of dryness have been in eastern crop areas. Substantial rain will be needed in all areas during the next few weeks.

In eastern Africa, Ethiopia's main season crops are entering the reproductive stage, while corn harvesting is underway in Kenya. July rainfall was below normal in Ethiopia and near to above normal in Kenya's western corn areas adjacent to Lake Victoria. July's rainfall was timely, keeping soil moisture generally adequate for Ethiopian corn in the vegetative stage and Kenya's corn crop in the filling stage. However, easternmost crop areas in Ethiopia and Kenya were unfavorably dry. Recently, increased shower activity benefited corn in Ethiopia, while periods of dry weather in western Kenya aided harvesting.



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(Continued from p. 18)

WASHINGTON: Warm, dry statewide. Average temperatures well above normal, especially east. Minimal precipitation; coastal region, southeast corner.

Days suitable for fieldwork 7.0. Soil moisture 40% short, 60% adequate. Winter wheat good to fair; 95% harvested, 89% 1985, 88% avg. Potatoes mostly good; 17% harvested. Dry bean harvest underway. Harvest continued; pear, peach, plum. Vegetable harvest full swing. Hay supplies 80% adequate, 20% surplus. Range, pasture 50% short, 50% adequate.

WEST VIRGINIA: Temperatures averaged near normal except northwest below normal. Temperature extremes 50° Romney, Terra Alta; 91° Ripley. Average temperature 70°. Precipitation ranged 0.15 in. below normal northwest to 0.44 in. above normal south, southwest. Average precipitation 1.05 in.

Days suitable for fieldwork 4.3. Soil moisture 6% very short, 46% short, 44% adequate, 4% surplus.

WISCONSIN: Temperatures averaged 66°, 2° below normal, low 39°, high 87°. Rainfall none to 1.50 in. Better week for harvesting.

Days suitable for fieldwork 5.9. Soil moisture 11% short, 67% adequate, 22% surplus. Crops 1% very poor, 1% poor, 6% fair, 61% good, 31% excellent. Corn 1% very poor, 4% fair, 41% good, 54% excellent. Corn in dough 63%, 55% 1985, 57%

avg. Corn in dent 14%, 14% 1985, 17% avg. Soybeans tall, weedy. Second cutting hay 89%, 92% 1985, 86% avg. Leafhoppers down, still effecting alfalfa. Third cutting hay 26%, 26% 1985, 15% avg. Yields above average. Oats 87% harvested, 89% 1985, 84% avg. Yields mostly very good. Winter wheat harvested 97%, 99% 1985, 96% avg. Tobacco harvest under way, quality varied.

WYOMING: Temperatures well above normal. Rainfall well below normal.

Days suitable for fieldwork 6.0. Topsoil moisture 54% short, 42% adequate, 4% surplus. Winter wheat mature 5%; harvested 95%, 100% 1985, 95% avg. Barley turning color 20%, 10% 1985; mature 20%, 25% 1985; harvested 60%, 65% 1985, 60% avg. Spring wheat turning color 5%; mature 40%, 20% 1985, 50% avg.; harvested 55%, 80% 1985, 55% avg. Oats turning color 15%, 20% 1985; mature 25%, 30% 1985, 50% avg.; harvested 60%, 55% 1985, 40% avg. Dry beans setting pods 95%, 95% 1985, 90% avg.; leaves turning color 60%, 25% 1985. Corn tasseled 100%, 85% 1985; silked 100%, 75% 1985; milk stage 55%, 50% 1985; dough stage 35%, 40% 1985, 30% avg. Winter wheat seeded 1987 crop 5%, 5% 1985, 5% avg. Alfalfa 2nd cutting complete 80%, 65% 1985, 55% avg. Other hay harvested 85%, 90% 1985, 80% avg. Livestock producers plan to winter about same number stock as last year. Stored feed supplies average to above. Pastures, ranges fair to good. Calf, lamb weights slightly heavier than 1985. Stockwater adequate most areas.

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