

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

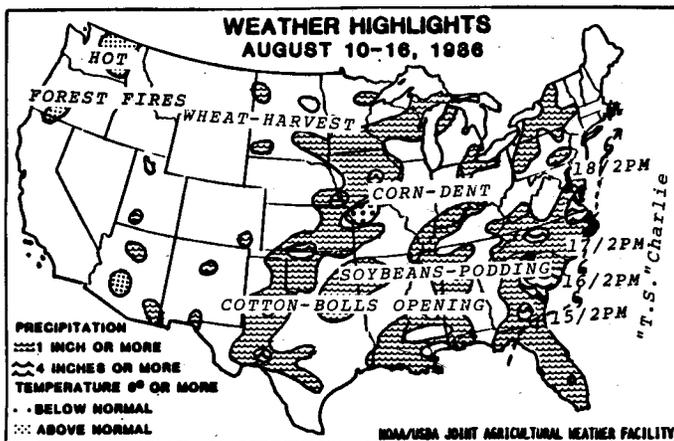
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Aug. 19, 1986

National Weather Summary

August 10 to 16, 1986



WEDNESDAY...Isolated heavy thunderstorms caused showers in the Southwest and lighter storms through the Rockies. Moderate to heavy showers fell from central Kansas into the upper Mississippi Valley. Heavy showers were frequent along the southeastern coast with lighter showers inland. High temperatures in the nineties reappeared in the Northwest and reached up the High Plains to western Nebraska.

THURSDAY...Thunderstorms caused moderate to heavy showers in isolated areas from the Texas Panhandle to the central Rockies and northeastward into the Great Lakes region. Lighter showers fell throughout the area. Thundershowers fell along the gulf coast, in Florida, and over the Southeast to southern Virginia. A tropical low pressure off the coast of South Carolina dumped torrential rain along that coast.

FRIDAY...Hot weather returned to the West and Northwest, increasing the peril from forest fires. It was warm in the South-Central States but mild elsewhere. Showers and thunderstorms reached from Texas to New England and eastward to the Atlantic. The heaviest storms were along a line from Oklahoma to New York. Tropical Storm Charlie developed in the Atlantic off South Carolina.

SATURDAY...Cooler air again spread over the Northwest. Widely scattered thunderstorms covered the eastern portion of the Great Plains with some heavy showers in southern Minnesota and South Dakota. Thunderstorms were more widespread east of a line from Louisiana to New England. Tropical Storm Charlie was intensifying and moving slowly northeastward off the South Carolina coast.

HIGHLIGHTS: Nearly all of the Nation east of the Rockies and the central and southern Plateau had some rain or showers. Little or no rain fell in the West Coast States as temperatures soared to the high nineties. Forest fires were rampant in the Northwest. Moderate to heavy rain fell in much of the drought area of the Southeast. Tropical Storm Charlie developed in the Atlantic off the coast of South Carolina. The storm remained stationary Friday and most of Saturday before intensifying and moving along the coast. The storm had little affect in South Carolina, but as the week ended wind and rain began along the North Carolina coast.

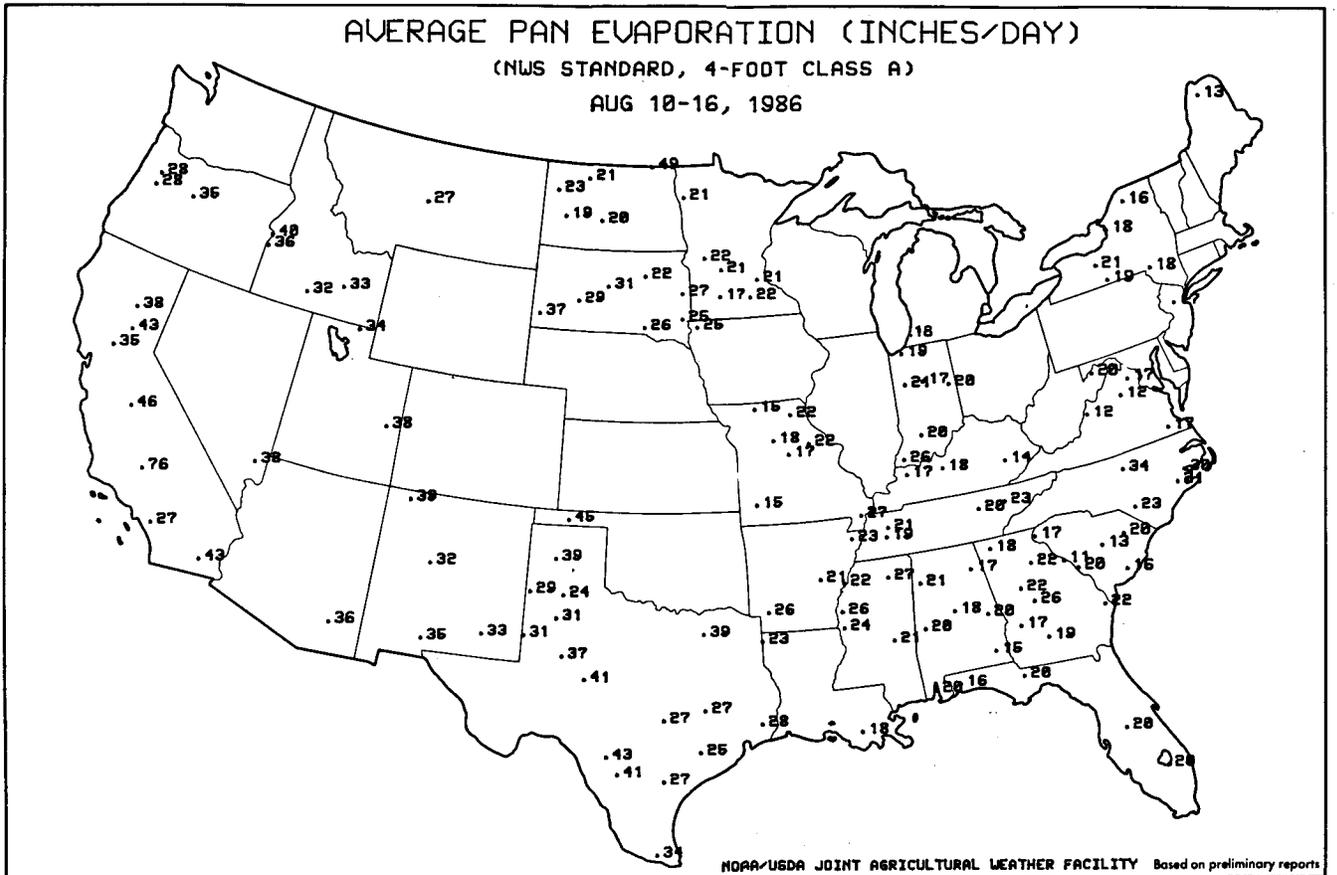
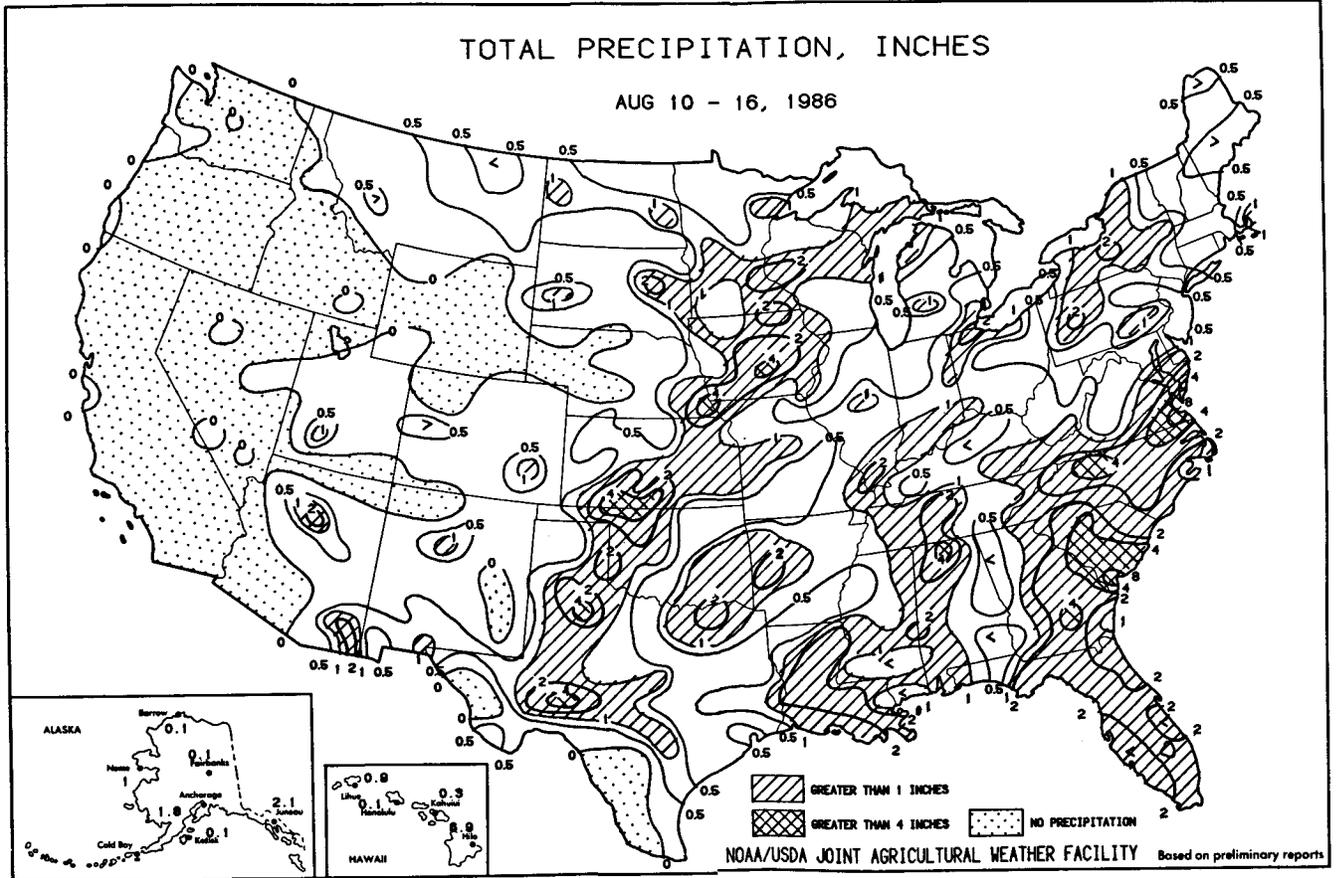
SUNDAY...High temperatures soared to over 100 degrees in the Northwest as widely scattered showers did little to dampen the risk of forest fires. Showers and thunderstorms were numerous in the East. Moderate to heavy showers fell from the lower Mississippi Valley northeastward into Pennsylvania. Light showers fell in the Southeast.

MONDAY...Cooler weather spread over the Northwest, and unusually mild weather covered the Midwest. Showers and thunderstorms were widespread from central Texas along the gulf coast and up the east coast to the mid-Atlantic States. Afternoon showers developed in the upper central Plains.

TUESDAY...Warm weather crept northward in the western part of the Great Plains, and showers and thunderstorms were scattered through most of the Missouri Valley. Some heavy showers fell in south-central Iowa and northwestern Missouri. Thunderstorms dropped light showers through the Rockies. Thunderstorms dropped moderate to heavy rain from Florida and central Georgia to New Jersey, but much of Georgia had little rain.

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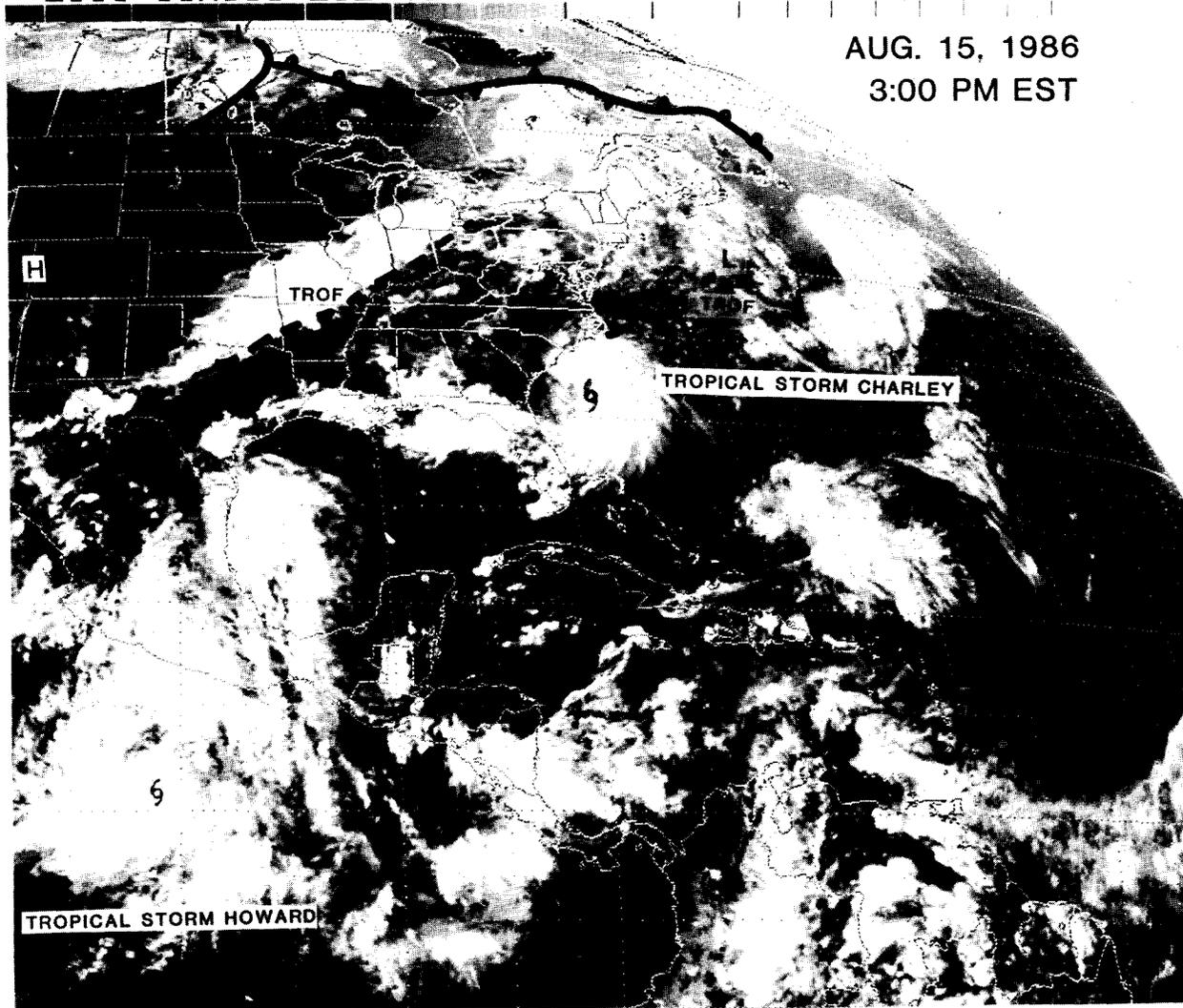
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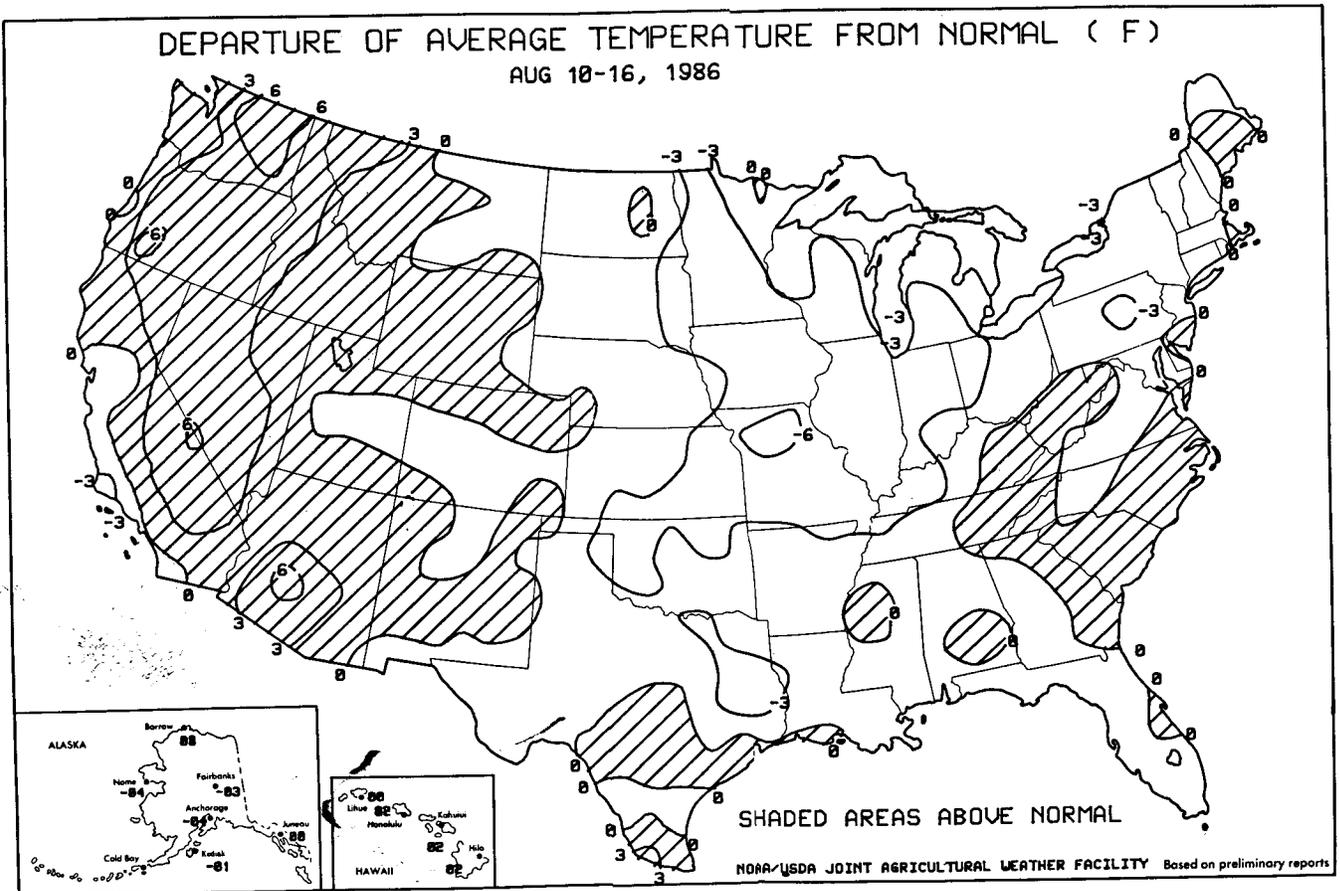
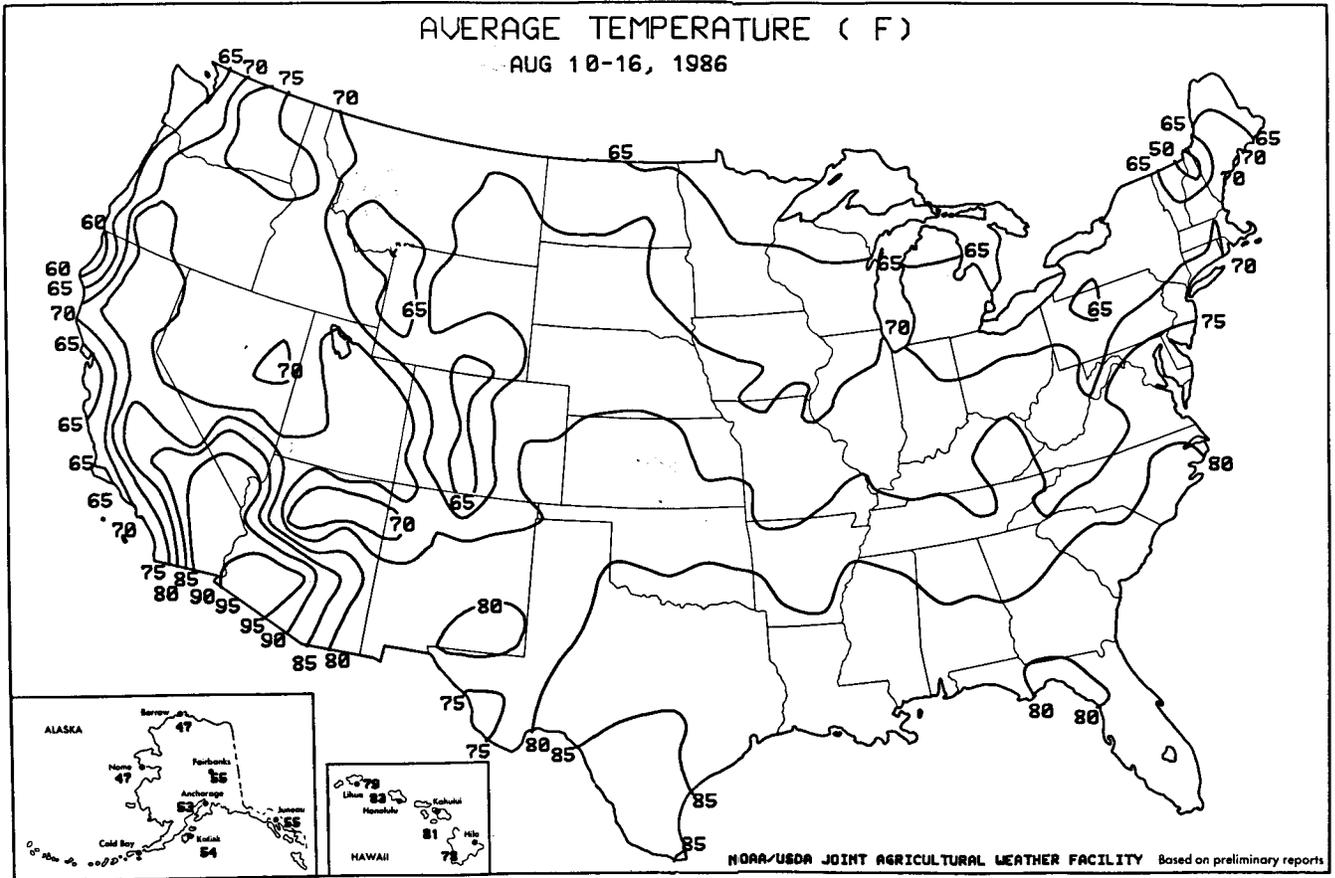
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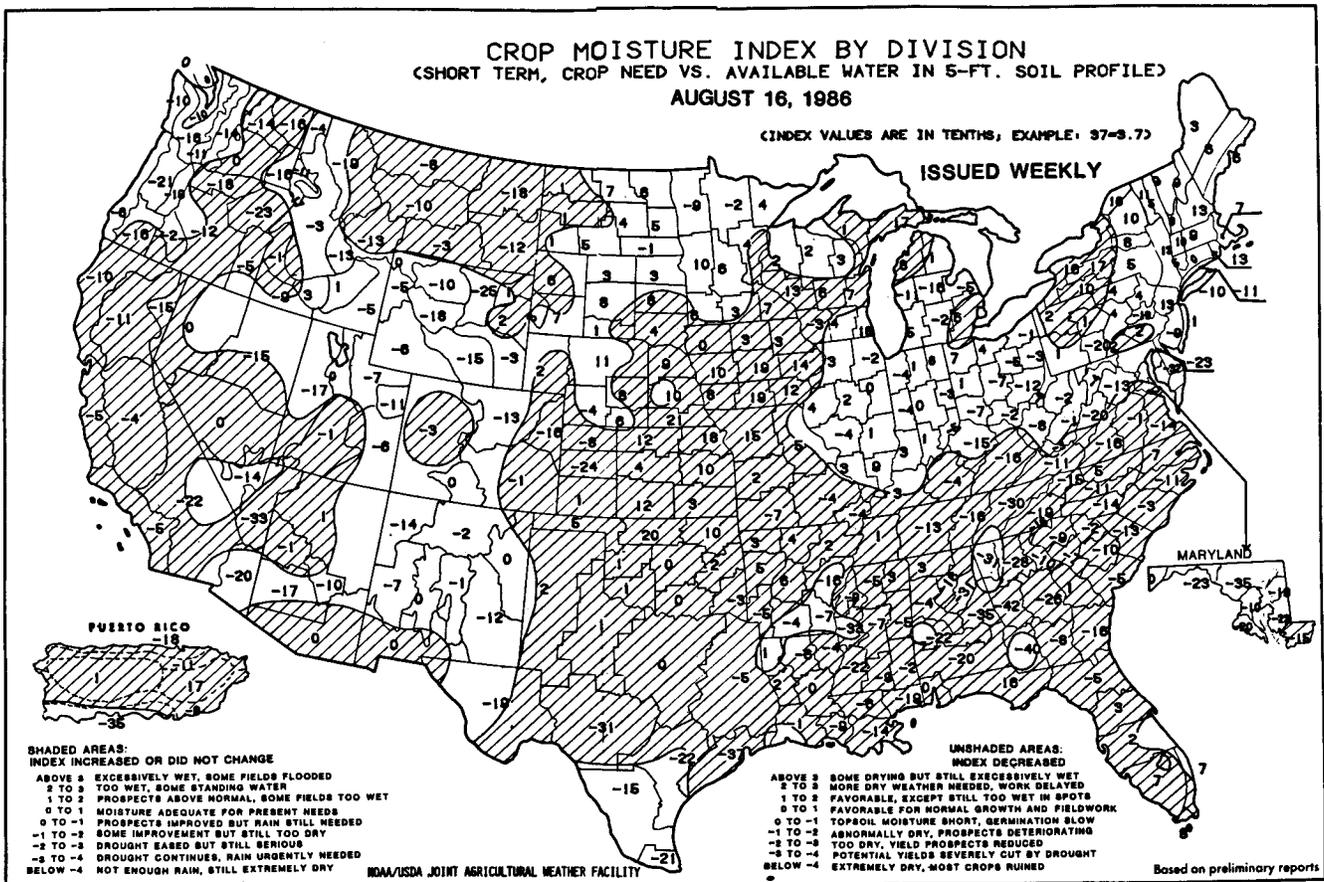
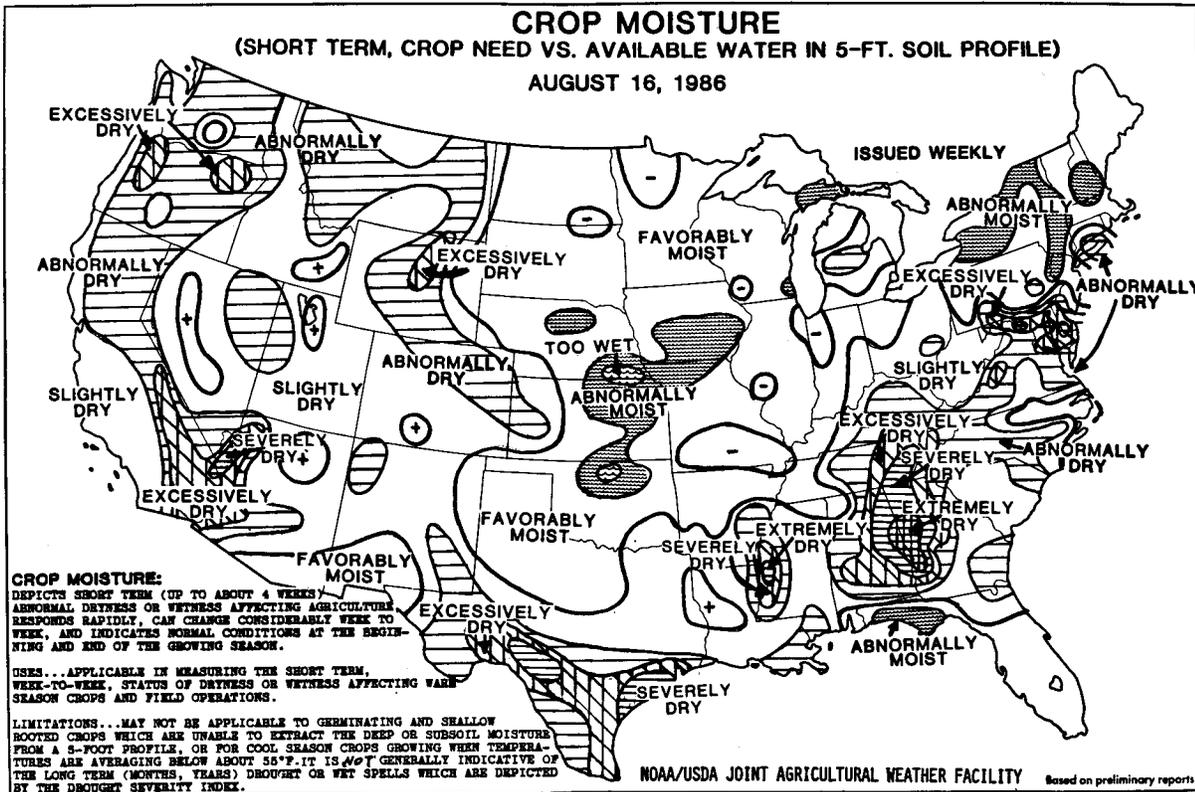
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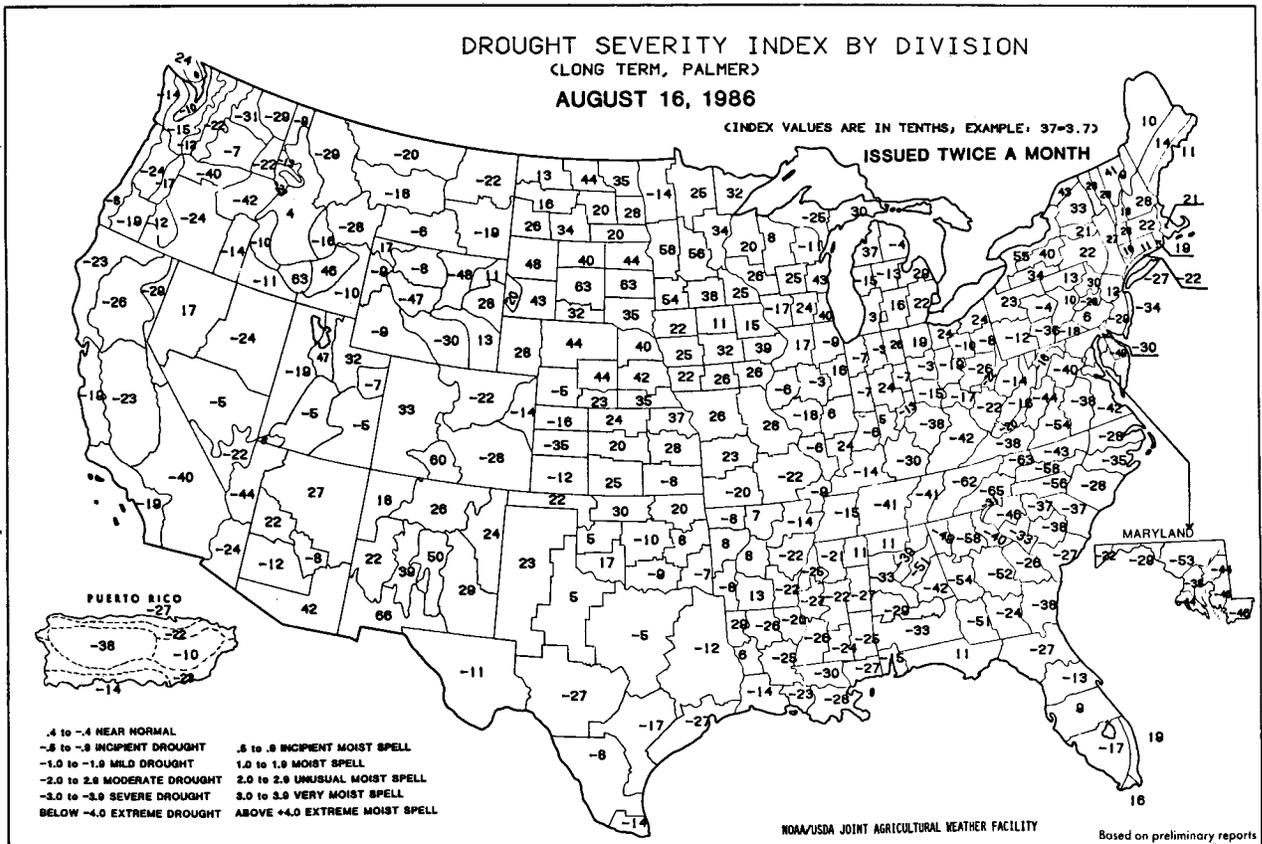
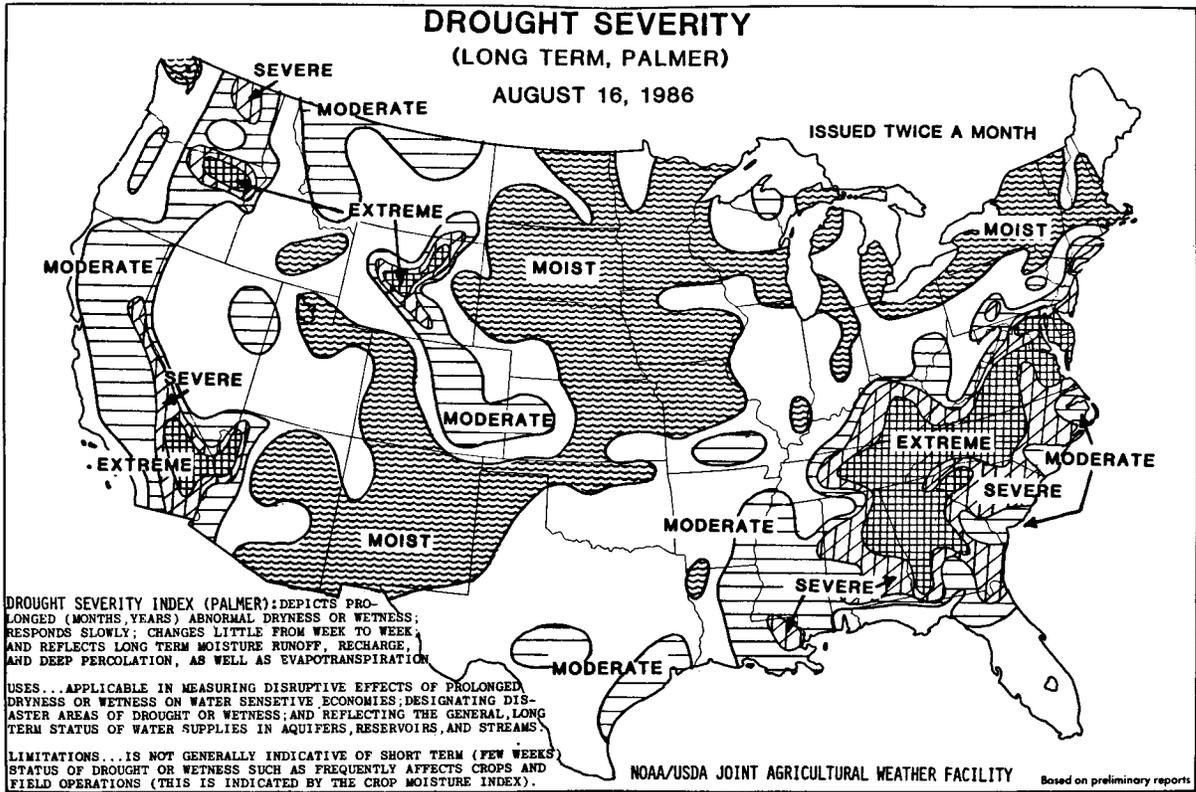


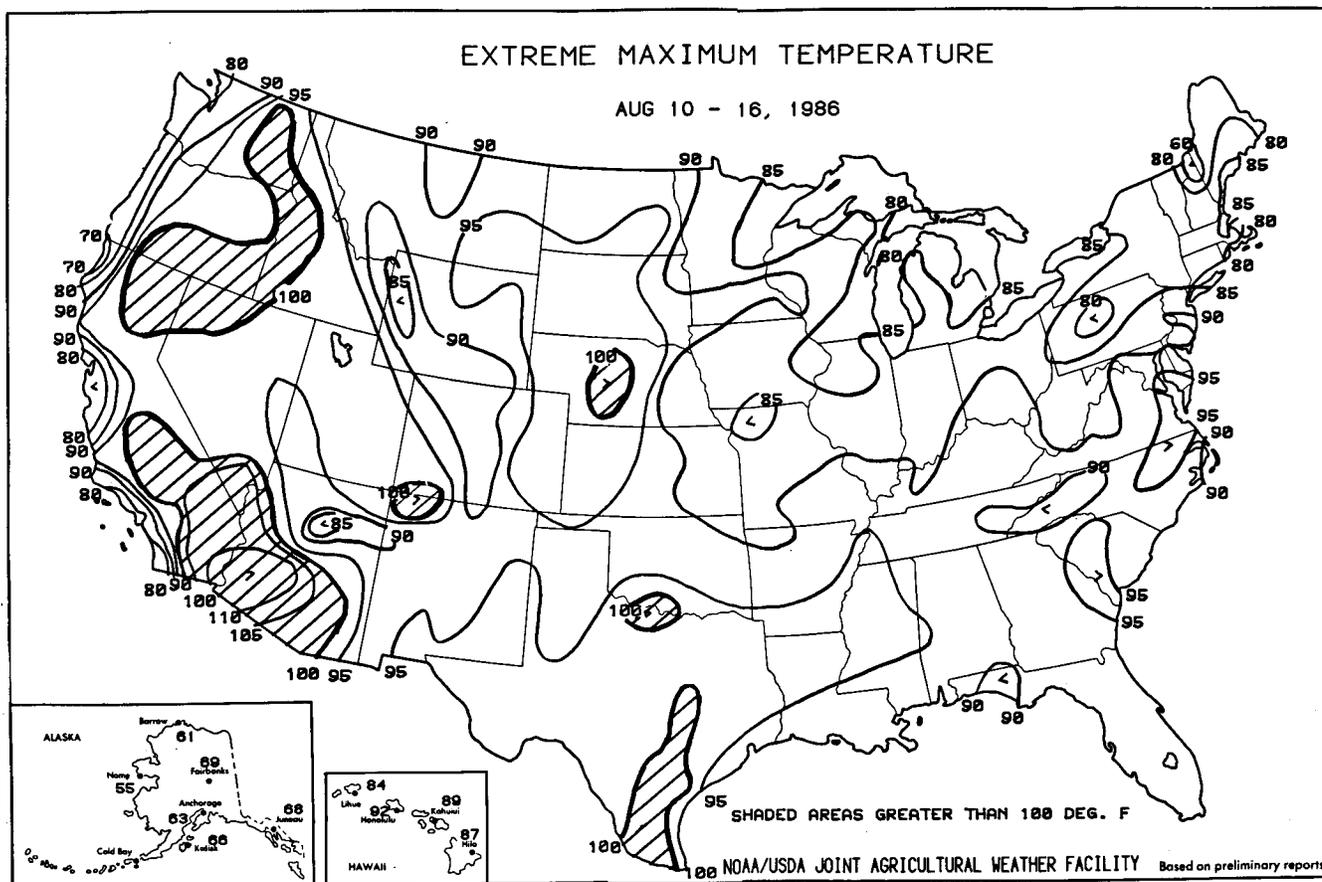
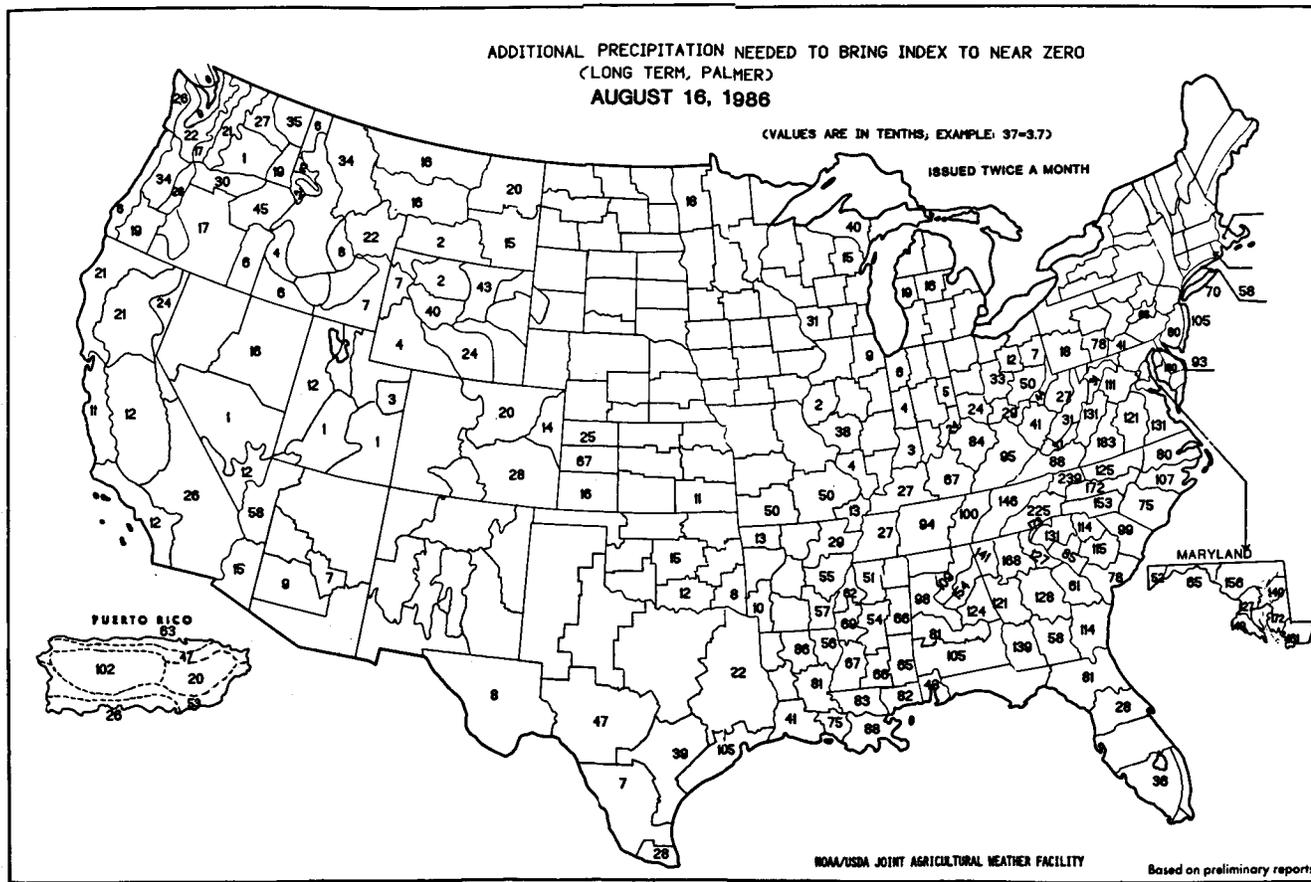
TROPICAL STORM CHARLEY IS INTENSIFYING OFF THE COAST OF SOUTH CAROLINA. CHARLEY DEVELOPED FROM A TROPICAL DEPRESSION WHICH FORMED IN THE GULF OF MEXICO AND THEN CROSSED NORTHERN FLORIDA AND SOUTHERN GEORGIA INTO THE ATLANTIC.

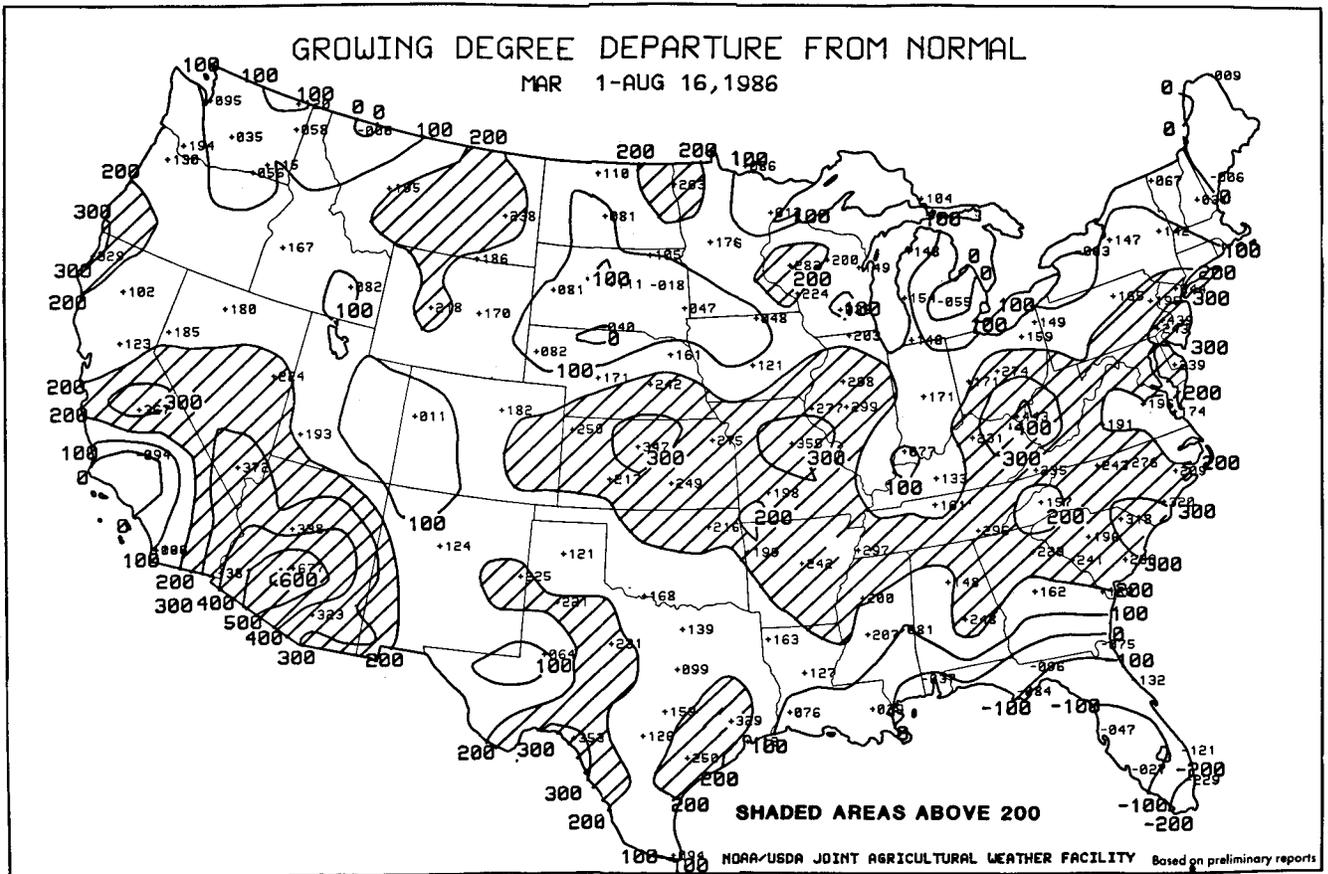
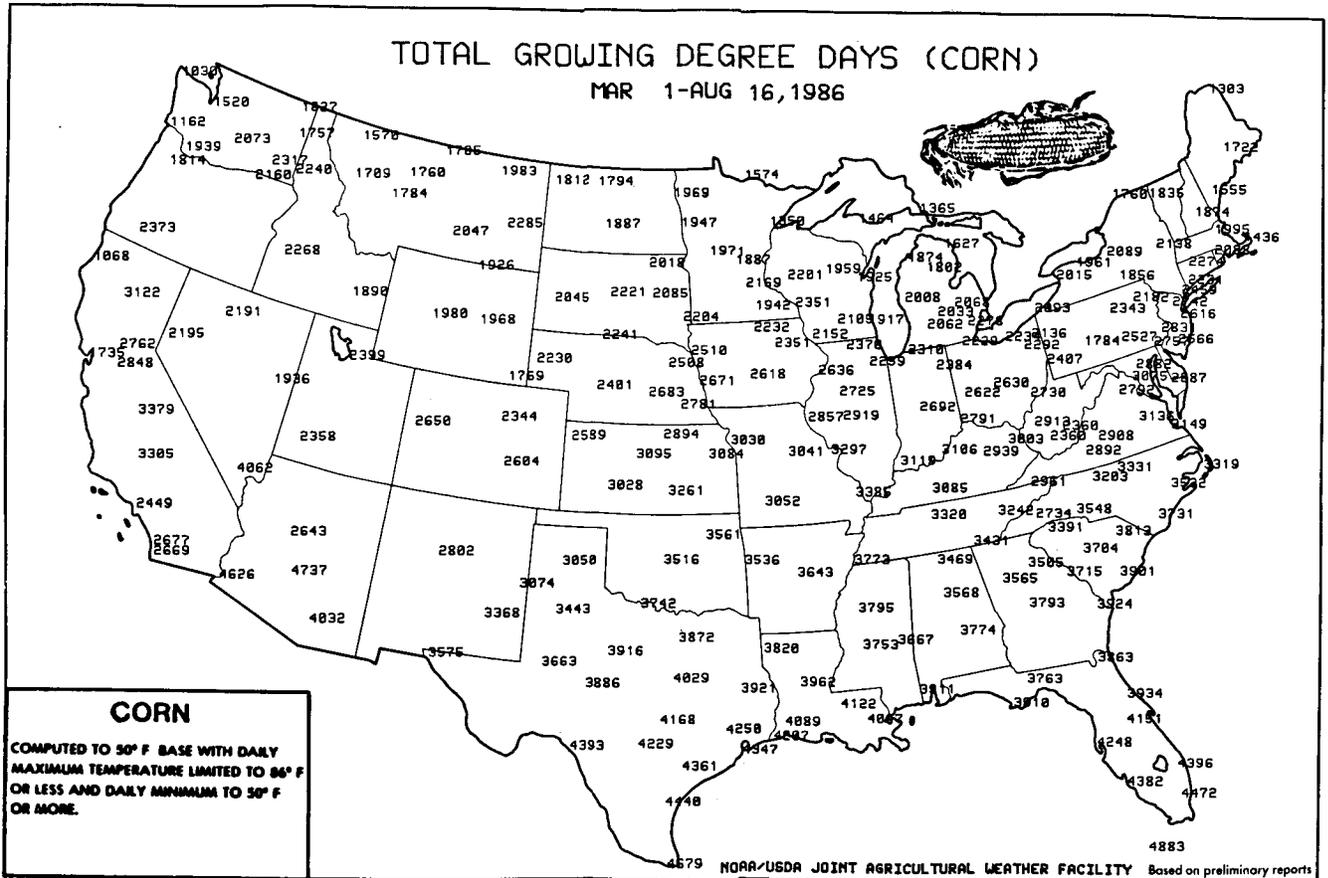
SHOWERS AND THUNDERSTORMS STRETCH FROM EASTERN OKLAHOMA TO SOUTHERN MICHIGAN AND EASTWARD INTO NEW ENGLAND. THUNDERSTORMS ARE SCATTERED ALONG THE COAST OF THE GULF OF MEXICO.











WATER LEVELS IN KEY OBSERVATION WELLS IN SOME REPRESENTATIVE AQUIFERS IN THE CONTERMINOUS UNITED STATES—JULY 1986

Aquifer and Location	Water level in feet with reference to land-surface datum	Departure from average in feet	Net change in water level in feet since:		Year records began	Remarks
			Last month	Last year		
Glacial drift at Hanska, south-central Minnesota.	-5.07	+1.18	-0.02	+0.83	1942	
Glacial drift at Roscommon in north-central part of Lower Peninsula, Michigan.	-4.32	+0.30	-0.35	-0.11	1935	
Glacial drift at Marion, Iowa	-3.92	+1.26	-0.99	+1.08	1941	
Glacial drift at Princeton in northwestern Illinois.	-7.04	+4.69	+1.84	+3.54	1943	
Petersburg Granite, southeastern Piedmont near Fall Zone, Colonial Heights, Virginia.	-16.37	-0.78	-0.53	+0.73	1939	
Glacial outwash sand and gravel, Louisville, Kentucky (U.S. well no. 2).	-17.66	+7.20	+0.02	-1.00	1946	
500-foot sand aquifer near Memphis, Tennessee (U.S. well no. 2).	-105.90	-16.41	-1.10	-1.42	1941	Alltime low.
Granite in eastern Piedmont Province, Chapel Hill, North Carolina (U.S. well no. 5).	-43.62	-2.02	-0.85	-1.92	1931	
Sparta Sand in Pine Bluff industrial area, Arkansas.	-222.05	-15.77	-8.45	-7.56	1958	
Eutaw Formation in the City of Montgomery, Alabama (U.S. well no. 4).	-28.2	-5.6	-0.10	-7.3	1952	
Limestone aquifer on Cockspur Island, Savannah area, Georgia (U.S. well no. 6).	-37.60	-10.09	-1.80	-2.50	1956	Alltime low.
Sand and gravel in Puget Trough, Tacoma, Washington.	-112.03	-1.03	-0.45	+0.15	1952	
Pleistocene glacial outwash gravel, North Pole, northern Idaho (U.S. well no. 3).	-461.7	-2.4	-0.2	-3.5	1929	
Snake River Group: Snake River Plain Aquifer, at Eden, Idaho (U.S. well no. 4).	-120.5	-2.9	+1.2	+0.2	1957	
Alluvial valley fill in Flowell area, Millard County, Utah (U.S. well no. 9).	-14.55	+0.85	-5.23	1929	
Alluvial sand and gravel, Platte River Valley, Ashland, Nebraska (U.S. well no. 6).	-4.77	+0.66	-0.42	+0.03	1935	
Alluvial Valley fill in Steptoe Valley, Nevada.	-8.60	+4.53	-0.57	+0.30	1950	July high.
Pleistocene terrace deposits in Kansas River valley, at Lawrence, northeastern Kansas.	-17.63	+2.91	+0.87	+1.14	1953	
Alluvium and Paso Robles clay, sand, and gravel, Santa Maria Valley, California	-122.52	+18.87	-7.89	-13.34	1957	
Valley fill, Elfrida area, Douglas, Arizona (U.S. well no. 15).	-105.2	-23.3	-0.1	+0.4	1951	
Hueco bolson, El Paso area, Texas.....	-266.72	-16.06	+0.09	+0.64	1965	
Evangeline aquifer, Houston area, Texas.....	-312.00	-11.08	-6.60	-3.23	1965	

UNITED STATES
Department of the Interior
Geological Survey

Provisional data: subject to revision

Cooling Degree Day Data Weekly Summary

COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NHC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 8-16-1986
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: 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, CUM DEV FROM L YR, 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, CUM DEV FROM L YR.

National Weather Data for Selected Cities

Weather Data for the Week Ending August 16, 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	72 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	89	69	92	68	79	-1	1.2	-4	.8	6.0	54	15.4	41	94	53	3	0	3	1
MOBILE	90	72	93	70	81	-1	1.7	-2	.9	17.8	109	35.5	82	98	59	4	0	3	2
MONTGOMERY	92	71	93	68	82	0	.5	-1	.3	6.8	70	28.6	87	98	54	7	0	3	0
AK ANCHORAGE	60	47	63	38	54	-3	1.8	-1.4	1.0	4.9	120	8.3	108	92	61	0	0	5	0
BARROW	55	39	61	34	47	-3	.1	-1	.1	.9	53	1.4	52	98	66	0	0	2	0
FAIRBANKS	64	46	69	39	55	-2	.1	-3	.1	3.3	80	4.5	71	89	44	0	0	3	0
JUNEAU	61	50	68	45	55	0	2.1	1.0	1.1	9.8	103	32.0	120	98	72	0	0	5	2
KODIAK	63	44	66	39	54	-1	.1	-1.0	.1	18.7	192	44.6	109	95	52	0	0	5	0
NOME	51	43	55	29	47	-4	1.0	-3	.4	5.6	112	7.3	90	93	75	0	1	6	0
AZ PHOENIX	106	86	108	82	96	6	T	-3	T	1.2	83	4.1	103	64	23	2	0	0	0
PRESCOTT	87	61	92	58	74	-3	.2	-7	.1	3.4	60	6.8	58	82	34	7	0	2	0
TUCSON	100	75	103	72	87	3	.3	-2	.3	3.4	89	7.2	111	80	29	7	0	2	0
YUMA	106	84	110	82	95	2	.2	-1	T	.4	105	.9	64	70	30	7	0	0	0
AR FORT SMITH	90	68	94	62	79	-3	.7	-1	.4	10.1	121	29.0	113	94	47	4	0	2	2
LITTLE ROCK	87	69	93	65	78	-3	1.1	-.6	.5	10.4	141	27.4	92	85	57	2	0	3	2
CA BAKERSFIELD	100	69	102	62	85	2	0	0	0	0	0	4.3	110	58	19	7	0	0	0
EUREKA	62	51	66	50	57	0	0	-1	T	.2	28	27.4	121	96	74	0	0	0	0
FRESNO	101	68	104	62	84	5	0	0	0	0	0	9.7	137	72	21	7	0	0	0
LOS ANGELES	73	61	75	60	67	-3	0	0	0	0	0	13.0	155	95	66	0	0	0	0
RED BLUFF	95	64	101	62	80	-1	0	-1	0	0	0	21.9	168	65	31	6	0	0	0
SACRAMENTO	92	56	97	54	74	-1	0	0	0	0	0	16.3	151	92	34	5	0	0	0
SAN DIEGO	75	66	76	64	70	-2	0	0	0	0	1	7.7	124	87	66	0	0	0	0
SAN FRANCISCO	70	54	71	52	62	-1	T	0	T	7	18.6	149	96	60	0	0	0	0	0
CO DENVER	89	58	94	55	73	1	T	-3	T	3.0	69	8.2	74	64	18	4	0	2	0
GRAND JUNCTION	91	60	95	55	75	-2	.8	-.5	.7	2.0	145	4.4	92	64	21	5	0	3	1
PUEBLO	93	57	98	52	75	0	.1	-3	.1	4.4	109	7.3	95	83	21	5	0	2	0
CT BRIDGEPORT	79	64	83	59	72	-2	T	-8	T	8.6	103	18.8	74	92	53	0	0	1	0
HARTFORD	81	59	84	52	70	-2	.1	-8	0	12.2	144	27.1	101	92	46	0	0	2	0
DC WASHINGTON	84	70	90	66	77	-1	T	-1.1	T	8.0	83	17.3	70	89	53	2	0	0	0
FL APALACHICOLA	87	74	91	73	80	-1	3.5	1.9	1.3	11.3	73	27.4	83	96	74	2	0	6	2
DAYTONA BEACH	89	72	92	71	81	0	1.4	0	.6	20.1	136	31.8	110	97	62	3	0	4	0
JACKSONVILLE	90	72	93	69	81	0	1.1	-.5	.4	11.1	72	28.6	84	97	57	4	0	5	0
KEY WEST	89	79	90	73	84	0	1.9	-.9	1.1	13.9	128	20.1	98	87	66	2	0	3	2
MIAMI	90	75	92	74	82	-1	2.9	1.3	1.1	21.1	114	47.3	139	92	60	5	0	6	2
ORLANDO	90	74	91	73	82	-1	2.0	-.6	.9	19.2	104	32.2	98	93	59	4	0	4	2
TALLAHASSEE	88	71	93	70	80	-1	2.4	-.7	1.8	26.6	139	43.1	99	99	65	2	0	6	2
TAMPA	88	75	91	74	82	-1	1.9	-.1	1.0	13.8	83	25.2	83	95	62	3	0	4	2
WEST PALM BEACH	89	74	91	73	82	-1	2.1	-.9	1.1	22.8	137	38.0	112	92	63	4	0	6	1
GA ATLANTA	87	69	92	67	78	0	4.6	-.1	-.4	9.5	94	20.4	61	97	56	2	0	3	3
AUGUSTA	90	72	96	71	81	1	1.9	1.1	.7	6.4	62	17.5	55	98	55	5	0	5	3
MACON	90	71	95	70	81	0	3.0	1.5	2.1	16.5	100	29.1	84	94	55	4	0	5	3
SAVANNAH	91	74	96	72	82	1	3.0	1.5	2.1	16.5	100	29.1	84	94	55	4	0	5	3
HI HILO	84	72	87	71	78	2	6.9	4.6	3.5	27.1	134	101.0	128	95	67	0	0	7	2
HONOLULU	90	77	92	74	83	2	.1	-2	0	1.6	116	4.4	31	82	51	4	0	0	0
KAHULUI	88	75	89	74	81	2	.3	-.2	.3	.6	57	10.6	80	88	58	0	0	1	0
LIHUE	82	75	84	73	79	0	.9	-.4	.7	5.4	116	12.8	50	90	73	0	0	4	0
ID BOISE	92	60	105	51	76	3	0	-1	0	.5	38	9.9	132	51	17	4	0	0	0
LEWISTON	93	63	103	59	78	5	T	-2	T	.9	41	6.7	83	67	18	5	0	0	0
POCATELLO	90	50	96	47	70	0	T	-1	T	.5	25	9.5	134	67	15	4	0	0	0
IL CHICAGO	79	60	88	50	69	-3	.1	-.7	.1	8.3	87	17.7	81	90	46	0	0	3	0
MOLINE	77	61	84	52	69	-5	.8	0	.3	14.7	131	27.7	110	97	62	0	0	4	0
PEORIA	79	61	84	53	70	-4	.2	-.6	.2	14.1	147	21.3	92	93	57	0	0	1	0
QUINCY	79	60	86	52	70	-6	.3	-.6	.2	12.5	120	22.5	92	96	59	0	0	2	0
ROCKFORD	77	58	85	49	68	-4	.6	-.3	.5	8.3	75	19.2	79	95	56	0	0	2	1
SPRINGFIELD	81	61	88	54	71	-4	.8	-.1	.7	12.5	140	19.9	88	94	53	0	0	2	1
IN EVANSVILLE	84	63	90	57	73	-4	1.6	-.9	1.1	11.2	122	26.0	92	97	52	1	0	2	2
FORT WAYNE	79	58	86	49	68	-4	.7	0	.7	17.6	200	30.2	132	97	56	0	0	2	1
INDIANAPOLIS	81	60	87	51	71	-3	.8	0	.5	9.4	92	28.6	109	97	52	0	0	3	0
SOUTH BEND	78	59	86	49	68	-3	.2	-.7	.2	11.9	123	23.1	96	93	52	0	0	1	0
IA DES MOINES	79	61	89	50	70	-5	3.3	2.3	3.2	15.2	160	30.0	143	96	58	0	0	2	1
SIoux CITY	81	60	88	50	70	-4	.9	-.2	.5	9.9	110	22.7	126	99	60	0	0	3	0
WATERLOO	79	57	87	45	68	-3	.9	0	.7	11.5	104	24.9	109	96	53	0	0	2	1
KS CONCORDIA	85	66	88	61	76	-3	.3	-.5	.2	13.8	148	24.0	127	95	54	0	0	2	0
DOdGE CITY	87	64	95	62	76	-4	3.2	2.7	3.1	11.2	150	15.3	101	94	45	3	0	2	0
GOODLAND	90	61	98	55	75	1	.3	-.2	.2	5.8	94	11.7	97	89	32	5	0	2	0
TOPEKA	82	63	87	58	73	-5	.8	0	.6	11.7	106	25.3	113	97	60	0	0	3	0
WICHITA	84	68	90	63	76	-5	1.0	-.4	.4	12.3	136	19.6	104	93	59	1	0	3	0
KY BOWLING GREEN	84	65	93	59	75	-3	.6	-.1	.6	4.5	43	18.8	57	97	53	1	0	3	0
LEXINGTON	84	65	90	59	74	-1	.3	-.6	.3	8.3	73	18.5	59	92	52	2	0	1	0
LOUISVILLE	85	66	92	61	75	-2	.8	0	.7	11.0	116	23.8	82	91	52	2	0	2	1
LA ALEXANDRIA	90	72	96	64	81	-2	2.2	1.6	1.1	12.8	124	24.2	65	77	49	6	0	3	2
BATON ROUGE	90	73	94	71	82	0	3.3	2.2	2.6	14.0	108	33.6	89	97	62	5	0	3	2
LAKE CHARLES	90	74	93	69	82	0	1.2	0	.5	14.3	114	28.7	87	99	61	5	0	3	0
NEW ORLEANS	90	72	94	70	81	-1	3.9	2.6	1.7	16.8	116	28.1	72	98	63	3	0	5	2

Based on 1951-80 normals.

Weather Data for the Week Ending August 16, 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 °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	93	69	96	63	81	-2	T	-5	T	17.8	212	32.5	112	96	47	6	0	1	0
ME CARIBOU	74	51	79	43	63	-1	.4	-5	.3	7.5	81	20.1	93	96	57	0	0	2	0
PORTLAND	77	57	85	52	67	0	.4	-3	.2	8.4	114	27.8	108	95	56	0	0	1	0
MD BALTIMORE	84	67	90	64	75	-1	T	-1.1	T	7.6	76	17.5	66	88	52	0	0	2	0
SALISBURY	84	67	93	65	75	-1	1.8	.5	1.5	5.4	49	16.4	58	97	59	1	0	0	1
MA BOSTON	81	65	86	61	73	0	T	-8	T	13.1	176	25.6	97	92	49	1	0	3	0
CHATHAM	76	62	79	58	69	1	1.1	.2	.8	16.5	215	28.8	103	94	71	0	0	2	1
MI ALPENA	75	52	82	41	64	-1	.6	-1	.4	10.2	129	18.8	104	98	54	0	0	2	0
DETROIT	79	59	86	51	69	-2	1.5	-.7	1.3	10.8	131	22.0	108	94	50	0	0	2	1
FLINT	78	56	85	46	67	-2	.6	-2	.5	8.8	113	17.5	93	96	52	0	0	2	0
GRAND RAPIDS	77	57	85	47	67	-3	1.4	-.6	1.4	15.4	179	28.6	136	93	51	0	0	2	1
HOUGHTON LAKE	75	54	83	46	65	-3	.3	-.2	.2	9.7	130	21.4	124	91	50	0	0	2	0
LANSING	77	55	85	45	66	-1	.1	-.7	0	12.8	163	22.3	119	95	53	0	0	0	0
MARQUETTE	74	50	88	41	62	-4	1.5	-.8	.8	9.2	106	20.5	89	96	48	0	0	3	1
MUSKOGON	76	57	82	50	67	-3	.1	-.6	.1	6.0	92	15.4	82	95	54	0	0	2	0
MN SAULT STE. MARIE	71	51	80	41	61	-1	1.7	.9	1.2	14.2	179	24.4	126	97	60	0	0	4	1
ALEXANDRIA	76	58	86	49	67	-2	1.1	.3	1.1	12.6	143	25.2	151	95	52	0	0	1	1
DULUTH	73	53	82	46	63	-2	.9	-.7	.7	15.6	154	24.6	127	96	54	0	0	2	1
INT'L FALLS	77	52	88	44	65	0	T	-6	T	7.0	77	12.6	80	97	43	0	0	3	0
MINNEAPOLIS	78	57	90	49	68	-4	2.1	1.3	1.3	11.9	126	25.1	139	96	54	1	0	0	2
ROCHESTER	75	54	86	45	65	-5	1.1	.2	.8	12.2	122	22.7	119	97	59	0	0	3	1
MS GREENWOOD	93	71	96	64	82	1	.1	-.5	.1	4.8	51	18.9	53	94	44	0	0	2	0
JACKSON	94	70	97	65	82	1	1.0	-.2	1.0	10.2	110	27.6	78	97	46	7	7	3	0
MERIDIAN	92	69	96	67	81	-1	3.3	2.6	2.1	9.1	86	26.2	72	98	51	6	6	5	2
MO CAPE GIRARDEAU	86	65	94	58	75	-2	2.8	2.0	1.9	8.6	95	29.7	101	96	49	2	0	3	2
COLUMBIA	81	62	87	55	71	-6	1.1	.5	.7	8.1	92	21.4	90	94	58	0	0	2	1
KANSAS CITY	80	64	85	58	72	-6	.7	-.1	.7	14.0	130	23.2	100	95	61	0	0	2	1
SAINT LOUIS	83	65	90	57	74	-4	.5	-.1	.4	9.0	103	18.7	82	92	50	1	0	3	0
SPRINGFIELD	84	65	90	61	75	-3	.3	-.2	.3	7.3	76	18.3	73	93	53	1	0	1	0
MT BILLINGS	84	56	95	52	70	-1	-.2	0	-.2	3.4	100	11.2	108	75	25	1	0	2	0
GLASGOW	84	56	91	48	70	0	.3	0	.3	3.8	77	7.8	89	75	26	1	0	1	0
GREAT FALLS	83	56	92	50	70	-1	.2	-.1	.2	3.6	79	9.6	86	72	28	0	0	3	0
HAVRE	81	54	89	46	68	-1	.8	-.5	.8	3.1	79	8.8	107	76	28	1	0	2	1
HELENA	84	53	92	49	68	-1	.3	0	.2	3.2	88	7.0	85	83	27	1	0	3	0
KALISPELL	86	51	91	45	69	4	T	-.3	T	3.5	91	11.2	110	82	24	2	0	0	0
MILES CITY	87	59	97	52	73	-1	.5	.2	.5	4.6	94	10.4	101	72	26	3	0	1	0
MISSOULA	86	53	94	46	70	-3	.4	.2	.3	4.0	126	9.8	111	87	25	2	1	0	0
NE GRAND ISLAND	84	62	90	57	73	-3	.2	-.4	.1	8.5	111	16.6	98	95	49	1	0	3	0
LINCOLN	84	64	89	56	74	-3	1.4	.6	1.0	11.5	131	23.2	122	94	54	0	0	2	1
NORFOLK	81	62	89	57	72	-3	.1	-.5	.1	11.0	122	22.6	127	95	56	0	0	3	0
NORTH PLATTE	88	59	100	52	73	0	0	-.4	0	5.1	66	13.5	90	95	37	3	0	0	0
OMAHA	82	63	89	56	72	-2	.2	-.8	.1	7.8	79	22.6	110	91	62	3	0	3	0
SCOTT'SBLUFF	88	55	96	51	71	-2	0	-.2	0	10.3	190	17.1	151	89	31	3	0	0	0
VALENTINE	87	56	99	48	71	-2	T	-.6	T	3.5	52	11.6	89	85	34	3	0	0	0
NV FLY	88	49	91	42	69	2	T	-.1	T	.1	7	4.4	72	54	15	3	0	1	0
LAS VEGAS	105	78	107	74	92	3	T	-.1	T	.1	15	1.2	44	39	15	7	0	0	0
RENO	94	53	98	48	74	6	0	-.1	0	1.2	150	8.3	169	64	13	7	0	0	0
WINNEMUCCA	95	53	100	46	74	5	T	-.1	T	.1	11	3.5	69	39	9	7	0	0	0
NH CONCORD	80	55	83	51	68	-1	.3	-.5	.2	11.4	152	25.4	118	97	46	0	0	2	0
NJ ATLANTIC CITY	85	65	89	58	75	2	T	-.1	T	7.6	82	21.9	83	92	50	0	0	1	0
NM ALBUQUERQUE	89	64	93	60	77	0	1.1	-.8	.9	5.4	208	8.3	173	76	24	2	0	4	1
CLOVIS	90	65	95	62	78	1	.3	-.3	.3	6.6	98	10.9	96	79	33	3	0	1	0
ROSWELL	93	68	96	65	80	1	T	-.5	T	6.5	193	9.3	175	82	31	7	0	0	0
NY ALBANY	80	57	82	50	69	-1	1.3	.5	.9	15.3	192	29.9	137	100	51	0	0	4	1
BINGHAMTON	77	57	82	51	67	-1	1.0	.2	.7	14.6	166	29.9	131	91	51	0	0	1	1
BUFFALO	78	59	86	49	69	-1	.5	-.4	.5	9.1	117	23.8	108	93	49	0	0	1	1
NEW YORK	81	68	85	64	75	-1	.6	-.4	.6	7.4	82	21.7	82	90	49	0	0	2	1
ROCHESTER	78	56	86	47	67	-3	1.8	1.1	1.4	10.7	156	22.2	116	99	57	0	0	4	1
SYRACUSE	80	57	86	50	68	-2	1.4	.5	.8	12.8	137	26.3	109	96	52	0	0	4	0
NC ASHEVILLE	81	65	87	64	73	0	.9	-.3	.4	4.6	41	14.4	46	100	65	0	0	6	0
CHARLOTTE	86	70	92	69	78	0	1.4	.6	.8	5.8	61	13.6	47	95	61	4	0	3	2
GREENSBORO	82	67	90	66	75	-2	4.7	3.8	2.7	10.6	102	16.6	60	100	66	1	0	3	2
HATTERAS	86	74	89	72	80	2	1.2	-.2	.3	15.3	120	28.7	88	99	71	0	0	5	0
NEW BERN	88	73	94	70	80	1	.4	-.1	.2	10.7	71	24.3	71	97	63	2	0	3	0
RALEIGH	86	70	93	69	78	1	2.9	1.9	1.3	10.3	99	21.0	76	98	63	2	0	4	3
WILMINGTON	86	74	92	72	80	0	.4	-.1	.3	20.5	124	36.8	105	97	72	2	0	3	0
ND BISMARCK	80	55	95	44	67	-3	.3	-.1	.3	8.6	143	16.1	141	94	42	1	0	2	0
FARGO	78	56	90	46	67	-3	.3	-.3	.2	10.0	127	17.5	127	95	50	1	0	2	0
GRAND FORKS	81	52	94	42	66	-2	.3	-.3	.3	5.8	81	10.9	87	96	41	1	0	2	0
WILLISTON	80	54	90	43	67	-2	.9	-.6	.9	8.9	170	16.5	165	88	36	1	0	1	1
OH AKRON-CANTON	79	59	88	50	69	-2	.1	-.6	.1	7.2	79	17.7	74	95	50	0	0	2	0
CINCINNATI	82	63	91	57	73	-2	1.1	.4	1.0	5.9	59	18.0	66	92	51	0	0	2	1
CLEVELAND	79	59	88	48	69	-2	1.5	.7	.6	8.0	93	24.0	105	94	52	0	0	3	1
COLUMBUS	82	61	91	51	71	-2	.8	-.1	.8	9.9	99	20.8	82	91	47	1	0	1	1

Based on 1951-80 normals.

Weather Data for the Week Ending August 16, 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	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	80	59	90	49	70	-1.4	.5	-2.2	.4	11.8	134	26.1	110	96	52	1	0	3	0
TOLEDO	78	55	86	45	67	-1.4	2.7	2.0	2.2	12.4	147	23.4	113	97	55	0	0	2	2
YOUNGSTOWN	79	56	87	43	67	-1.3	.4	-4.4	.3	20.0	213	30.1	123	98	57	0	0	3	0
OK OKLAHOMA CITY	89	70	95	67	80	-1.2	.2	-3.3	.2	5.4	67	20.5	99	89	43	0	0	0	0
TULSA	87	70	91	66	78	-1.2	.4	-2.2	.4	9.0	95	24.6	98	91	54	2	2	1	1
OR ASTORIA	69	54	74	45	61	-1.0	0	-1.3	0	2.7	64	35.6	94	97	67	0	0	0	0
BURNS	89	50	95	45	69	-1.7	0	-2.2	0	.7	43	7.5	183	11	3	0	1	0	
MEDFORD	97	60	105	56	79	-1.7	0	-1.1	0	.5	42	10.2	95	83	21	7	0	0	
PENDLETON	90	61	96	58	76	-1.3	0	-1.1	0	.5	42	7.5	104	50	18	4	0	0	
PORTLAND	84	58	91	50	71	-1.3	0	-2.2	0	1.5	60	18.1	88	91	37	1	0	0	
SALEM	85	53	93	50	69	-1.0	0	-1.1	0	1.7	93	22.5	102	88	34	1	0	0	
PA ALLENTOWN	81	60	87	53	70	-1.4	.4	-6.3	.3	9.0	92	25.8	93	90	48	0	0	2	3
ERIE	79	62	89	51	71	-1.4	.4	-5.3	.3	11.1	124	26.2	113	85	54	0	0	2	0
HARRISBURG	82	64	87	58	73	-1.2	1.7	1.0	.9	12.0	141	28.3	115	98	56	0	0	2	2
PHILADELPHIA	87	66	93	62	77	-1.1	.9	-1.9	.9	6.4	65	20.4	77	85	40	2	2	0	0
PITTSBURGH	79	59	84	48	69	-1.2	.9	-1.1	.9	13.7	153	24.5	100	84	51	0	0	1	1
SCRANTON	78	58	81	49	68	-1.3	.9	-1.1	.9	15.6	182	30.2	139	89	53	0	0	2	1
RI PROVIDENCE	80	62	85	57	71	-1.1	.3	-6.3	.3	10.8	137	27.0	99	94	55	0	0	1	0
SC CHARLESTON	87	74	92	70	81	-1.1	4.7	3.2	3.9	15.6	90	26.2	74	98	65	3	4	2	2
COLUMBIA	91	72	98	69	82	-1.1	2.6	1.4	1.3	5.1	40	12.3	36	97	50	4	4	2	0
FLORENCE	88	72	94	71	80	-1.0	.5	-6.3	.3	9.0	70	16.9	56	97	61	3	0	4	0
GREENVILLE	85	69	90	68	77	-1.1	2.2	1.4	1.1	6.7	64	19.4	58	100	63	3	0	5	2
SD ABERDEEN	83	55	94	44	69	-1.3	.3	-2.2	.3	7.5	112	20.7	156	97	41	1	0	2	0
HURON	82	57	92	49	70	-1.4	2.1	1.6	1.2	11.3	170	22.0	159	98	52	1	0	2	2
RAPID CITY	87	56	98	51	72	-1.4	1.2	-1.8	.6	6.6	107	15.2	119	85	27	3	3	2	1
SIoux FALLS	80	57	93	46	69	-1.4	1.0	.3	.9	8.0	100	17.8	108	97	55	1	0	0	0
TN CHATTANOOGA	91	69	94	68	80	-1.2	.2	-5.3	.2	4.8	50	15.3	44	97	48	6	0	2	0
KNOXVILLE	89	68	93	65	78	-1.1	.8	-2.2	.5	4.4	45	15.7	49	96	51	4	3	1	1
MEMPHIS	89	71	96	63	80	-1.1	.6	-3.3	.6	7.5	79	20.9	60	86	48	3	0	3	0
NASHVILLE	88	68	93	63	78	-1.1	2.4	1.7	1.5	6.3	68	16.2	50	91	50	3	0	2	1
TX ABILENE	93	72	96	69	83	-1.1	.7	-1.1	.7	9.1	156	16.1	112	82	39	7	0	3	2
AMARILLO	87	64	91	60	76	-1.2	.7	-7.3	.7	10.5	135	15.6	116	95	41	2	0	0	0
AUSTIN	97	74	99	72	86	-1.1	.1	-3.3	.1	3.1	52	13.9	73	94	39	7	1	1	0
BRAUNSVILLE	91	74	93	71	83	-1.1	.5	-7.3	.5	15.3	127	32.7	104	96	59	7	0	2	0
BROWNSVILLE	92	76	95	74	84	-1.0	.7	-5.3	.7	6.1	115	11.2	91	96	53	6	0	0	0
CORPUS CHRISTI	92	76	95	73	84	-1.1	.2	-5.3	.1	7.3	109	16.0	102	97	55	6	0	2	0
DEL RIO	96	76	98	74	86	-1.0	.7	-3.3	.7	4.3	104	12.4	124	64	32	7	0	0	0
EL PASO	93	67	97	65	80	-1.1	.3	-1.1	.2	6.3	224	7.9	180	90	32	5	0	4	0
FORT WORTH	94	73	99	68	84	-1.2	.1	-3.3	.1	5.9	109	20.3	105	90	44	7	0	2	0
GALVESTON	90	79	92	75	85	-1.2	.4	-6.3	.3	5.4	58	13.4	59	83	55	4	0	2	0
HOUSTON	93	73	96	71	83	-1.0	.1	-7.3	.1	8.1	89	19.9	73	94	48	5	0	3	0
LUBBOCK	89	67	92	63	78	-1.1	1.6	-1.1	.8	9.2	147	13.1	111	100	48	4	0	3	2
MIDLAND	90	69	95	66	79	-1.2	1.5	-1.1	.9	6.9	173	11.1	132	99	47	0	0	1	1
SAN ANGELO	93	72	96	69	82	-1.2	.7	-3.3	.7	4.8	123	13.5	130	86	41	7	0	2	0
SAN ANTONIO	96	76	99	75	86	-1.2	.7	-6.3	.7	12.1	197	22.6	131	87	37	7	0	0	0
VICTORIA	94	75	95	73	85	-1.0	.1	-5.3	.1	9.8	116	19.7	94	95	51	7	0	3	0
WACO	96	75	100	71	86	-1.0	.3	-2.2	.3	4.6	88	19.2	98	89	40	6	0	1	0
WICHITA FALLS	94	71	101	68	83	-1.3	.2	-2.2	.1	9.2	158	18.2	108	93	39	6	0	3	0
UT BLANDING	---	---	---	---	---	---	---	---	---	2.8	127	7.3	111	---	---	0	0	0	0
CEDAR CITY	89	59	91	57	74	-1.3	.3	0	.1	1.0	47	5.1	78	70	26	3	0	4	0
SALT LAKE CITY	92	64	99	58	78	-1.2	.2	-2.2	.2	1.4	63	13.8	135	57	17	5	0	4	0
VT BURLINGTON	78	58	81	50	68	-1.0	.3	-6.3	.2	12.6	139	26.2	127	95	49	0	0	1	0
VA NORFOLK	86	73	96	71	79	-1.1	1.8	-5.3	.9	5.9	52	16.5	57	96	64	2	0	2	1
RICHMOND	83	69	92	66	76	-1.1	1.3	-1.1	1.1	10.9	95	21.6	77	98	65	2	0	5	0
ROANOKE	82	64	92	63	73	-1.2	.1	-8.3	.1	4.3	48	15.3	61	100	58	2	0	3	0
WA COLVILLE	90	57	98	55	73	-1.6	.2	-1.1	.2	2.9	103	14.9	143	65	28	2	0	1	0
QUILLAYUTE	71	50	78	39	60	-1.2	.2	-4.4	.1	5.5	82	65.2	115	99	61	0	0	3	0
SEATTLE-TACOMA	76	56	84	50	66	-1.2	.7	-3.3	.7	1.8	66	20.5	100	77	42	0	0	0	0
SPOKANE	88	59	97	53	73	-1.1	5	-1.1	.9	.3	43	10.0	100	58	20	2	0	0	0
YAKIMA	91	55	99	44	73	-1.4	.7	-1.1	.7	37	5.2	7.0	111	74	22	4	0	0	0
WV BECKLEY	79	62	85	59	70	-1.1	.8	-3.3	.3	9.5	93	22.6	79	97	60	0	0	4	1
CHARLESTON	84	64	89	59	74	-1.0	.6	-3.3	.6	11.7	106	26.3	91	99	55	0	0	2	0
HUNTINGTON	85	66	91	60	75	-1.1	.5	-4.4	.4	10.0	99	20.9	76	92	51	2	0	2	0
PARKERSBURG	83	64	89	55	74	-1.0	.5	-3.3	.4	10.8	98	21.4	73	95	54	0	0	2	0
WI GREEN BAY	76	55	84	49	66	-1.3	1.4	-7.3	1.0	11.5	144	18.9	105	96	52	0	0	2	1
LA CROSSE	79	57	91	49	68	-1.3	.6	-2.2	.4	10.1	102	18.2	90	96	51	1	0	3	0
MADISON	77	55	84	45	66	-1.4	.7	-2.2	.4	9.6	100	19.1	94	96	53	0	0	2	0
MILWAUKEE	77	60	83	53	69	-1.2	.6	-2.2	.4	18.1	207	29.2	144	91	53	0	0	2	0
WAUSAU	76	54	87	47	65	-1.3	1.2	-3.3	.7	9.2	92	16.2	79	95	49	0	0	3	1
WY CASPER	89	51	93	45	70	-1.0	.7	-1.1	.7	5.3	200	10.2	123	67	17	4	0	0	0
CHEYENNE	84	54	90	50	69	-1.1	.2	-2.2	.1	4.7	101	9.1	90	74	24	1	0	2	0
LANDER	88	54	93	48	71	-1.1	.7	-1.1	.7	1.3	54	7.0	74	58	16	3	0	0	0
SHERIDAN	87	53	97	49	70	-1.1	.7	-2.2	.7	3.8	107	9.4	90	78	25	3	0	0	0
PR SAN JUAN	89	74	92	73	82	-1.1	.7	-6.3	.2	3.9	31	30.6	106	95	63	2	0	5	0

Based on 1951-80 normals.

National Agricultural Summary

August 11 to 17, 1986

HIGHLIGHTS: Rain and cooler temperatures eased crop stress across the Delta and in the Southeast. The cooler temperatures slowed crop development across the eastern half of the Nation, but in most areas development remained ahead of normal. Crops improved in the Delta and in the Southeast. Farmers were able to work 5 to 6 days in most areas. However, rain limited fieldwork to slightly less than 5 days in some areas off the Corn Belt and the Southeast. Soil moisture improved in the Delta and in the Southeast but still remained short. Soil moisture was generally adequate through the Corn Belt and in the central and northern Great Plains.

Winter wheat was 97 percent (%) combined, slightly ahead of 1985 and the 5-year average. Harvest was limited mostly to the Pacific Northwest. Spring wheat harvest increased 15 points to 36% completion, 13 percentage points behind the 49% average. Wetness continued hampering harvest in some States. Corn condition was mostly unchanged. Moisture may help fill ears in the Southeast. Development remained ahead of normal with 68% of the acreage in the dough stage and 30% in the dent stage. Five percent of the acreage was mature. Soybean blooming was nearly finished in most States. Seventy-six percent of the acreage was podding compared with 66% normally. Rain benefited soybeans in the Delta and in the Southeast. Sorghum was 85% headed and 35% turning color. Harvest was underway in Texas, Louisiana, Arkansas, Oklahoma, and Missouri. Rain improved cotton in the Southeast and in the Delta. Boll setting neared completion. Bolls were open on 14% of the acreage, 5 points ahead of normal. Rice was 16% harvested, just slightly ahead of schedule. Harvest was just beginning in Arkansas and Mississippi. Peanuts were harvested in Mississippi and Texas. Rain improved pastures in the Southeast, but farmers continued supplemental feeding. Livestock was mostly good with stress easing in most areas.

SMALL GRAINS: Winter wheat harvest reached 97% completion, just slightly ahead of last year and average. Harvest was confined mostly to the Pacific Northwest, but a few acres remained to be harvested in California and Colorado. In Idaho, wheat was 59% harvested, 17 points above normal and the previous week. Harvest surged 20 points in Montana to 75% finished, compared with 80% in 1985 and 70% normally. Washington's wheat was 80% combined, 30 points greater than the previous week and 7 points greater than the average. Wheat producers in Kansas began preparing land for fall seeding. Oklahoma producers fertilized and applied herbicides to treat perennial weeds.

Spring wheat was 36% harvested compared with 43% in 1985 and the 49% average. Harvest was behind normal in all States except Idaho but made significant gains in all States. Harvest increases from the previous week ranged from a low of 12 points in North Dakota to a high of 20 points in Montana.

CORN: Corn remained in mostly good to excellent condition in the Corn Belt and northern and central Plains. Cooler temperatures slowed development some giving ears more time to fill, especially in the Southeast. In the 17 major producing States, slightly more than two-thirds of the acreage had reached the dough stage which was 12 points ahead of the 56% average. Corn in the dent stage surpassed last year and the average

reaching 30% completion. This was 7 points ahead of 1985 and 12 points ahead of the average. Corn in all States had reached the dent stage. Five percent of the acreage had reached maturity. Corn was mature as far north as Illinois. Harvest gained momentum across the Southeast and in the Delta. Harvest was underway in Kentucky and Missouri.

SOYBEANS: Rain improved soybeans across the Delta and in the Southeast. Cooler temperatures slowed growth some in most areas. Soybeans were mostly good to excellent in the Corn Belt and central and northern Plains. The crop was fair in the Delta and mostly poor to fair in the Southeast. Acreage with pods reached 76%, compared with 75% last year and 66% average. Ninety-two percent of the acreage had bloomed. Soybean leaves turned yellow in Illinois, Louisiana, and South Carolina.

SORGHUM: In the 11 major producing States, sorghum was mostly good to fair. Heading was 85% finished, 8 points above 1985 and 16 points above the average. Heading lagged behind normal in only Texas. Heading was finished in Louisiana and neared completion in Arkansas, Mississippi, and Nebraska. Thirty-five percent of the acreage had turned color compared with 30% normally. Harvest was 41 and 52% finished in Louisiana and in Texas, respectively. Harvest was just beginning in Missouri, Oklahoma, and Arkansas.

COTTON: Rain and cooler temperature relieved some of the stress. Cotton began improving in some Delta and Southeastern States. Boll setting was nearly finished in all States except New Mexico, Oklahoma, and Texas. Fourteen percent of the acreage had bolls opening, compared with 9% average. In Arizona, defoliant was applied to a few early fields. Texas root rot caused significant damage to some fields. In southwest Oklahoma, boll weevils caused significant damage. Texas cotton harvest was 9% complete, 4 points above the average.

OTHER CROPS: Rice was 82% headed and 16% harvested. Normally, 65% would be headed and 14% harvested. Heading was 25% finished in California equalling the average. Harvest was beginning in Arkansas and Mississippi. In Louisiana, harvest neared 50% completion. Texas harvest reached 54% completed but was 4 points below normal. Along the Upper Coast, harvest was winding down and yields have been good.

Peanuts under stress declined with moisture and cooler temperature in the Southeast. Small scale harvest was underway in Texas. Harvest was 24% finished in Mississippi.

Flue-cured tobacco harvest lagged 14 and 22 points behind normal in North Carolina and Virginia, respectively. In Georgia, 72% of the tobacco was cured compared with the 75% average. Burley harvest gained momentum and was underway in most producing States.

FRUIT AND NUTS: Peach harvest increased in the northern producing areas but slowed in the South. Apple picking gained momentum in most areas. Rain reduced the need for irrigation in Florida citrus groves. Citrus trees were good, and new growth was abundant. Grapefruit was checked for early maturity. Caretakers were busy setting new trees in most areas. Lemon harvest gained momentum in

(Continued to back cover)

CROP PROGRESS

FOR WEEK ENDING AUGUST 17, 1986

	CORN % DOUGH		
	1986	1985	AVG.
COLO	42	56	44
GA	100	100	99
ILL	90	84	77
IND	90	85	70
IOWA	58	55	45
KANS	80	80	60
KY	90	86	71
MICH	20	50	45
MINN	34	30	29
MO	92	91	76
NEBR	75	70	55
N C	98	95	90
OHIO	90	99	64
PA	51	42	40
S DAK	39	35	37
TEX	95	89	NA
WIS	52	41	40
17 STATES	68	66	NA
EXCL. STATES WITH NA	68	66	56

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

NA - NOT AVAILABLE.

	CORN % DENT		
	1986	1985	AVG.
COLO	4	17	8
GA	99	98	94
ILL	55	39	31
IND	25	20	15
IOWA	25	18	11
KANS	35	30	15
KY	64	53	35
MICH	1	3	2
MINN	4	2	4
MO	75	64	46
NEBR	25	10	8
N C	88	79	79
OHIO	30	36	20
PA	11	4	4
S DAK	13	6	7
TEX	82	69	NA
WIS	9	7	6
17 STATES	31	24	NA
EXCL. STATES WITH NA	30	23	18

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

NA - NOT AVAILABLE.

	CORN % MATURE		
	1986	1985	AVG.
COLO	0	0	0
GA	98	93	80
ILL	8	2	1
IND	0	0	0
IOWA	0	0	0
KANS	10	5	4
KY	23	9	1
MICH	0	0	0
MINN	0	0	0
MO	19	5	5
NEBR	0	0	0
N C	52	55	47
OHIO	1	1	0
PA	0	0	0
S DAK	0	0	0
TEX	67	55	NA
WIS	0	0	0
17 STATES	7	5	NA
EXCL. STATES WITH NA	5	4	3

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

NA - NOT AVAILABLE.

	SOYBEANS % BLOOM		
	1986	1985	AVG.
ALA	84	86	82
ARK	73	80	65
GA	78	94	80
ILL	100	100	97
IND	99	98	97
IOWA	100	100	98
KANS	100	90	75
KY	83	80	74
LA	93	90	87
MICH	97	95	96
MINN	98	98	98
MISS	77	94	86
MO	94	91	80
NEBR	100	100	98
N C	67	66	70
OHIO	100	100	95
S C	59	81	74
S DAK	90	92	93
TENN	80	85	85
19 STATES	92	94	89

THESE 19 STATES PRODUCED 96%
OF THE 1985 SOYBEANS CROP.

	SOYBEANS % SETTING PODS		
	1986	1985	AVG.
ALA	58	60	55
ARK	44	40	38
GA	38	70	49
ILL	95	90	81
IND	75	80	65
IOWA	92	95	86
KANS	80	60	50
KY	41	38	31
LA	73	70	66
MICH	55	55	65
MINN	88	90	85
MISS	49	48	47
MO	81	73	56
NEBR	94	90	80
N C	30	30	38
OHIO	95	100	76
S C	29	40	37
S DAK	78	72	76
TENN	50	50	35
19 STATES	76	75	66

THESE 19 STATES PRODUCED 96%
OF THE 1985 SOYBEANS CROP.

	WINTER WHEAT % HARVESTED		
	1986	1985	AVG.
ARK	100	100	100
CALIF	99	99	99
COLO	98	99	95
GA	100	100	100
IDAHO	59	48	42
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MICH	100	100	98
MO	100	100	98
MONT	75	80	70
NEBR	100	100	100
N MEX	100	NA	NA
N C	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	88	79	73
S DAK	100	100	100
TEX	100	100	100
WASH	80	77	73
20 STATES	97	NA	NA
EXCL. STATES WITH NA	97	96	95

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

NA - NOT AVAILABLE.

	RICE % HEADED		
	1986	1985	AVG.
ARK	89	77	59
CALIF	25	20	25
LA	98	89	87
MISS	100	97	73
TEX	100	84	97
5 STATES	82	72	65

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

	RICE % HARVESTED		
	1986	1985	AVG.
ARK	1	0	0
CALIF	0	0	0
LA	45	36	34
MISS	1	0	0
TEX	54	29	58
5 STATES	16	11	14

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

	SPRING WHEAT % HARVESTED		
	1986	1985	AVG.
IDAHO	35	17	26
MINN	33	30	51
MONT	30	50	40
N DAK	25	32	41
S DAK	76	83	85
5 STATES	36	43	49

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

GRAIN SORGHUM
% HEADED

	1986	1985	AVG.
ARK	92	NA	NA
ILL	90	NA	NA
KANS	80	60	50
LA	100	100	96
MISS	98	98	90
MO	91	84	77
NEBR	95	85	75
OKLA	60	85	70
S DAK	73	62	69
TENN	96	91	NA
TEX	85	89	86

11 STATES 86 NA NA

EXCL. STATES WITH NA 85 78 71

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

NA - NOT AVAILABLE.

GRAIN SORGHUM
% COLORING

	1986	1985	AVG.
ARK	72	NA	NA
ILL	30	NA	NA
KANS	10	5	5
LA	96	87	79
MISS	77	NA	NA
MO	48	36	33
NEBR	15	1	5
OKLA	30	35	20
S DAK	16	6	12
TENN	70	50	NA
TEX	64	73	68

11 STATES 39 NA NA

EXCL. STATES WITH NA 35 32 30

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

NA - NOT AVAILABLE.

COTTON
% SETTING BOLLS

	1986	1985	AVG.
ALA	100	100	98
ARIZ	100	99	100
ARK	100	99	99
CALIF	100	95	87
GA	98	100	97
LA	100	100	97
MISS	100	100	96
MO	100	100	96
N MEX	86	100	99
N C	94	94	92
OKLA	70	85	65
S C	94	100	100
TENN	96	99	96
TEX	83	89	83

14 STATES 91 94 88

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

COTTON
% BOLLS OPENING

	1986	1985	AVG.
ALA	7	10	7
ARIZ	25	20	25
ARK	27	19	6
CALIF	5	2	2
GA	12	15	7
LA	40	22	9
MISS	23	15	10
MO	4	5	3
N MEX	0	0	0
N C	0	0	0
OKLA	1	0	0
S C	8	13	10
TENN	3	3	4
TEX	12	12	11

14 STATES 14 11 9

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

For Information Call:

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WEEKLY CROP WEATHER CONDITION PERCENT REPORT
FOR WEEK ENDING AUGUST 17, 1986

SPRING WHEAT

STATE	VP	P	F	G	EX
IDAHO	0	0	33	67	0
MINN	1	7	53	39	0
MONT	0	1	29	63	7
N DAK	0	0	27	71	2
S DAK	0	4	29	65	2

RICE

STATE	VP	P	F	G	EX
ARK	0	0	9	81	10
CALIF	0	0	10	75	15
LA	0	0	23	65	12
MISS	10	13	30	47	0
TEX	0	0	38	32	30

SOYBEANS

STATE	VP	P	F	G	EX
ALA	0	46	49	5	0
ARK	8	15	66	11	0
GA	17	44	33	6	0
ILL	0	0	7	58	35
IND	0	0	15	75	10
IOWA	1	0	9	65	25
KANS	0	0	5	14	81
KY	1	5	30	63	1
LA	0	16	43	38	3
MICH	1	4	20	55	20
MINN	1	2	25	59	13
MISS	25	55	14	6	0
MO	0	5	24	58	13
NEBR	0	0	2	62	36
N C	5	21	38	32	4
OHIO	0	1	17	73	9
S C	5	46	40	9	0
S DAK	0	0	9	81	10
TENN	5	26	62	7	0

GRAIN SORGHUM

STATE	VP	P	F	G	EX
ARK	0	5	43	47	5
ILL	0	0	5	75	20
KANS	1	2	17	31	49
LA	0	4	40	56	0
MISS	7	19	54	20	0
MO	0	7	31	54	8
NEBR	0	0	3	67	30
OKLA	0	0	25	75	0
S DAK	0	6	29	60	5
TENN	5	5	88	2	0
TEX	0	3	34	51	12

CORN

STATE	VP	P	F	G	EX
COLO	8	3	18	56	15
GA	26	39	31	4	0
ILL	0	0	2	38	60
IND	0	0	9	73	18
IOWA	1	0	5	47	47
KANS	0	0	10	20	70
KY	1	16	41	40	2
MICH	1	4	15	55	25
MINN	1	1	17	50	31
MO	1	3	13	51	32
NEBR	0	1	2	51	46
N C	28	30	23	18	1
OHIO	0	1	9	63	27
PA	2	3	21	43	31
S DAK	0	1	13	62	24
TEX	0	4	16	59	21
WISC	0	0	2	49	49

COTTON

STATE	VP	P	F	G	EX
ALA	0	35	54	11	0
ARIZ	0	0	0	85	15
ARK	0	12	39	40	9
CALIF	0	0	10	80	10
GA	14	32	46	8	0
LA	0	12	60	28	0
MISS	16	21	56	7	0
MO	0	20	60	20	0
N MEX	0	0	38	62	0
N C	0	5	47	37	11
OKLA	0	5	60	35	0
S C	67	18	15	0	0
TENN	2	1	45	52	0
TEX	0	5	54	38	3

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 normal to 3° below normal. Rainfall totals mostly 1.00 in. north; central, south mostly under 0.75 in.; extreme southwest over 2.00 in.

Days suitable for fieldwork 6.0. Soil moisture 86% short, 14% adequate. Scattered showers, cooler temperatures brought some relief to crops. Primary activities: Harvesting corn, hay, sorghum, fruits, vegetables; spraying for insects on cotton, soybeans, sorghum, pecans; repairing harvest equipment; supplemental feeding, watering of livestock; routine farm chores.

ALASKA: Widespread rain, cooler temperatures Railbelt. Temperatures ranged 3° below normal to 9° above normal. Seasonal precipitation ranged 2.66 in. wetter than normal to 1.99 in. drier than normal.

Days suitable for fieldwork 3.0. Soil moisture 1% short, 96% adequate, 3% surplus. Barley for grain over 45% turning color. Barley for grain 55% poor, 31% fair, 13% good, 1% excellent. Second crop hay harvest delayed by wet weather. Commercial vegetable harvest continued with excellent quality, quantities available.

ARIZONA: Monsoon active 11th to 13th. Drier air spread east 14th to 16th. Precipitation amounts mostly 0.25 to 1.25 in. Downpour Flagstaff 13th registered 2.68 in. West received little or none. Average temperatures from 2° below normal to 6° above.

Cotton development rapid. Defoliant applied to few early fields west. Increased insect stress central from pink bollworms, cotton leaf perforator; fields treated. Texas Root Rot caused significant damage to few fields. Light insect numbers west, southeast. Current alfalfa hay production stacked, weak demand. Stands good. Cutting normal pace. Sudangrass developing favorably. Corn fully tasseled southeast. Late planted crop emerged west. Sorghum, sesame, peanuts good. Apple deal gained momentum with Golden Delicious to peak September 1st. Fruit size up. Peach harvest complete. Wine grapes picked. Lemon harvest gained momentum. Other citrus groves good. Land preparation for lettuce, cauliflower, broccoli west. Lettuce Willcox district emerged. Small volumes potatoes shipped. Green onions moved central. Cantaloup, honeydews shipped Aguila. Small quantities watermelons picked.

ARKANSAS: Unusually cool week with light to moderate rainfall. Temperature extremes 53°; 98°. Rainfall 2.96 to none.

Days suitable for fieldwork 6.0. Soil moisture 58% short, 42% adequate. Crop growth moderate. Major activities: Cutting, baling hay; cultivating, irrigating crops; draining rice fields; spraying levees; harvesting rice, sorghum, corn, wine grapes, squash, apples; applying herbicides, insecticides; scouting for diseases and insects; mowing weeds; repairing machinery. Herd health practices, marketing livestock active.

CALIFORNIA: Interior of State averaged 3° above normal while coast bit cooler. Only one station reported a measurable amount of rain, 0.01 Imperial.

Normal temperatures resulted in normal crop development. Cotton progress normal. Lygus, mites, bollworm controls active. Rice development normal. Early dry bean, silage corn harvest began.

Controls applied lygus, mites, other insects later fields. Sugarbeet, safflower harvests good progress. Desiccant sprays, insect control applied alfalfa seed fields. Alfalfa hay, green chop harvests active. Fertilization, weed control, irrigation active all crops. Apple, avocado, table grape, wine grape, nectarine, Clingstone peach, Freestone peach, Bartlett pear, plum, pomegranate, prune, summer grapefruit, Valencia orange, almond harvests active. Raisin grape laying started Fresno County. Coachella Valley dates required fungicide treatment due humid weather. Artichoke moderate variable quality central coast. Broccoli moderate Salinas, Santa Maria good quality. Carrot fairly heavy good quality Salinas. Fall crop progressing well Kern-Tulare. Cauliflower, celery moderate good quality Salinas, Santa Maria. Sweet corn harvest statewide good quality. Cucumber harvest active San Joaquin Valley. Lettuce moderate variable quality Salinas. Fall planting continued Westside. Melon harvest slower pace due hot weather, variable quality, reduced prices. Honeydew melon harvest continued good maturity, quality; crenshaw, cantaloup, watermelon harvest declined some areas. Digging dry onions Perris-Hemet summer potatoes Hemet-San Jacinto active. Fall potatoes Tulelake-Butte Valley some hollow heart. Processing, fresh market tomato movement active statewide good quality. Most mountain grazing districts needed rain. Fire danger remained extremely high grass brush fires problem. Stock ponds low drying up. Bee colonies being moved out seed alfalfa fields San Joaquin Valley.

COLORADO: Temperatures averaged 1° above normal to 3° below normal. Precipitation totals averaged trace to 1.28 in.

Days suitable for fieldwork 6.0. Soil moisture 10% very short, 50% short, 40% adequate. Barley ripe 82%, 83% 1985, 72% avg.; harvested 67%, 66% 1985, 58% avg. Dry beans flowering 94%, 96% 1985, 86% avg. Livestock, range, pasture good.

FLORIDA: Daily showers, thunderstorms, above normal rainfall which averaged about 3.00 in. northwest; nearly 2.00 in. elsewhere. Temperatures averaged around 2° below normal.

Topsoil moisture adequate. Corn, tobacco harvesting continued. Cotton, peanuts, soybeans fair to good. Hay harvesting continued, weather permitting. Harvest green peanuts "for boiling" active. Sugarcane good. Generally improved grazing, Panhandle ranged from fair to good. Northern areas, central Peninsula pastures fair, except generally good west coast. Southern pastures good to excellent. Cattle, south generally excellent. Panhandle cattle put on needed weight; fair to good across northern areas. Hard rains most citrus areas; very little irrigation. Citrus trees very good; abundant new growth. Some grapefruit crops being checked for early maturity. Caretakers very busy. New trees being set most areas. Land preparation active for all vegetables. Tomato transplanting active Palmetto-Ruskin, under way southwest. Planting other fall crops underway including eggplant, cucumbers, peppers, squash, watermelons. Limited supplies summer vegetables available northern, western areas.

GEORGIA: Temperatures 1 to 2° below normal over State except eastern counties 1 to 3° above normal. Rain 2 to 5 days at all reporting stations. Rainfall over 0.50 in., numerous

locations 1.00 to 2.00 in. amounts except southwest and extreme northwest totals under 0.75 in. Greater rainfall totals southeast quarter of State. Most locations at least 1.00 in. rain and many local amounts between 2.00 to 5.00 in. Rain totals since January 1, 10.00 to 24.00 in. below normal at almost all stations.

Days suitable for fieldwork 4.6. Soil moisture 25% very short, 48% short, 25% adequate, 2% surplus. Corn 46% harvested, 36% 1985, 26% avg. Sorghum grain 17% very poor, 39% poor, 40% fair, 4% good. Peanuts 11% very poor, 22% poor, 54% fair, 13% good; 98% pegging, 100% 1985, 100% avg.; 1% dug. Tobacco 3% very poor, 10% poor, 59% fair, 28% good; 72% harvested, 80% 1985, 75% avg. Watermelons 99% harvested, 99% 1985, 94% avg. Apples 9% very poor, 19% poor, 63% fair, 9% good; 32% harvested, 27% 1985, 36% avg. Peaches 100% harvested, 100% 1985, 98% avg. Pecans 9% very poor, 30% poor, 52% fair, 9% good. Pasture 29% very poor, 46% poor, 20% fair, 5% good. Hay 32% very poor, 44% poor, 18% fair, 6% good. Cattle 7% very poor, 29% poor, 53% fair, 11% good. Hogs 3% very poor, 9% poor, 45% fair, 42% good, 1% excellent. Main activities: Harvesting corn for grain and silage, vegetables and tobacco; haying active in areas that received earlier rains. Farmers still feeding hay to supplement short forage supplies some areas.

HAWAII: Conditions variable. High cloud cover; light showers mainly windward, mountain areas. Thundershowers some areas. Northeasterly winds 10 to 20 mph. Temperatures ranged low 70s to low 90s. Rainfall ranged none to 10.80 in. Weather mostly favorable for crop development.

Days suitable for fieldwork 7.0. Soil moisture mostly adequate; some pastures dry. Bananas fair to good; harvesting active Williams variety. Papaya orchards fair to good, harvesting continued seasonal decline. High temperatures adversely affected some leafy vegetables.

IDAHO: Temperatures well above normal. Very light rainfall with scattered thundershowers in south central, southeast.

Days suitable for fieldwork 7.0. Small grain harvest well advanced, ahead of normal. Second cutting alfalfa hay three quarters complete. Potatoes good, harvest beginning some areas. Range, pasture dry but good, grazing adequate. Livestock good. Grasshopper, insect infestation light to moderate.

ILLINOIS: Temperatures averaged 2 to 7° below normal. Precipitation none to 1.36 in. Heaviest amounts extreme north, south.

Days suitable for fieldwork 5.5. Soil moisture 14% short, 86% adequate. Soybeans turning yellow 5%, 2% 1985, 1% avg. Alfalfa 14% fair, 67% good, 19% excellent; alfalfa 3rd crop cut 60%, 52% 1985, 49% avg. Pasture 3% poor, 20% fair, 64% good, 13% excellent. Major farm activities: Harvesting hay, tending livestock, repairing machinery.

INDIANA: Average temperatures close to normal. Lows in mid, upper 40s on 12th. Highs reaching 80s to lower 90s on weekend. Rain amounts variable, coverage spotty. Totals ranged from trace or none north to over 1.00 in. east central, south.

Fieldwork averaged 5.1 days. Topsoil moisture 54% short, 46% adequate. Subsoil moisture 28% short, 72% adequate. Corn mostly good. Soybeans mostly good. Scatter showers improved major crop conditions. Pasture condition continued to decline. Pastures rated mostly fair.

IOWA: Cool early week becoming hot, humid late week. Temperature extremes 41°; 90°. Heavy rains midweek. Precipitation to 5.40 in.

Days suitable for fieldwork 3.8. Topsoil

moisture 3% short, 65% adequate, 32% surplus; subsoil moisture 2% short, 78% adequate, 20% surplus. Hay 14% fair, 63% good, 23% excellent. Third crop alfalfa harvested 18%, 28% 1985, 25% avg.; 2nd crop clover harvested 85%, 100% 1985, 85% avg. Corn good to excellent; corn milk stage 95%, 93% 1985, 84% avg. Soybeans mostly good to excellent. Livestock mostly good; temperature fluctuation causing some stress. Pastures mostly good to excellent.

KANSAS: Precipitation averaged 0.40 in. northwest and west central, 2.60 in. northeast, 1.00 to 2.00 in. elsewhere. Temperatures averaged 75 to 78°; 3° above normal northwest, 3 to 4° below normal southeast.

Days suitable for fieldwork 4.5. Topsoil moisture 31% short, 50% adequate, 19% surplus. Rainfall helped crops. Sorghum heading ahead schedule. Greenbug numbers controlled by beneficials. Corn earworm moth numbers rising, sorghum growers encouraged to watch for milo head damage. Corn excellent progress. Spider mite build-up slowed by cool weather, rain. Soybeans ahead schedule. Range, pasture good to excellent central and east, fair west. Many producers preparing ground for fall wheat seeding.

KENTUCKY High temperatures averaged 80s with overnight lows 60s. Rainfall scattered. Few isolated showers eastern half through 14th. By 15th low pressure triggered more scattered thundershowers lasting until 17th. Rainfall amounts varied considerably, ranging from 0.25 to 3.00 in.

Days suitable for fieldwork 5.5. Soil moisture 32% very short, 50% short, 18% adequate. Burley tobacco 69% topped, 86% 1985, 58% avg. Cutting 16% complete, 10% 1985, 2% avg. Tobacco 4% very poor, 16% poor, 67% fair, 12% good, 1% excellent. Corn for grain 2% harvested; silage harvest active. Soybean development continued ahead of last year and average. Hay, pastures need rain.

LOUISIANA: Temperature 1° below to 1° above normal. Temperature extremes 60°; 97°. Rainfall averaged 0.03 to 3.00 in.

Days suitable for fieldwork 4.9. Soil moisture 37% short, 49% adequate, 14% surplus. Corn good; 96% mature, 96% 1985, 88% avg.; 63% harvested, 53% 1985, 40% avg. Rice 62% ripe, 54% 1985, 48% avg. Soybeans 5% leaves turning color, 1% 1985, 1% avg. Sorghum 76% ripe, 52% 1985, 45% avg.; 41% harvested, 28% 1985, 20% avg. Sugarcane good; 1% planted, 3% 1985, 1% avg. Sweetpotatoes fair to good; 16% harvested, 28% 1985, 17% avg. Hay final cutting 43% complete, 34% 1985, 13% avg. Vegetables fair; pasture, livestock fair to good. Main activities: Baling hay, harvesting corn, rice, sorghum, sweetpotatoes.

MARYLAND & DELAWARE: Maryland: Temperatures averaged normal over State; lowest temperature 53° Oakland; highest temperature 96° Patuxent. Precipitation averaged 0.38 in., ranging from none Bel Air to 2.03 in. College Park.

Days suitable for fieldwork 6.4. Topsoil, subsoil moisture short. Field corn poor to fair. Field corn 94% silked, 99% 1985, 97% avg.; 29% dent, 38% 1985, 30% avg.; corn for silage 11% harvested, 21% 1985, 12% avg. Soybeans fair. Soybeans 66% bloomed, 77% 1985, 69% avg.; 44% podding, 44% 1985, 39% avg. Tobacco good. Tobacco 70% bloomed, 96% 1985; 8% harvested, 22% 1985, 22% avg. Watermelons 77% harvested, 86% 1985. Tomatoes 47% harvested, 76% 1985, 73% avg. Pasture poor to fair. Alfalfa 67% cut three times, 79% 1985, 74% avg. Other hays 83% cut twice, 100% 1985, 97% avg. Other hays 45% cut three times, 91% 1985, 47% avg. Peaches good. Apples good.

Delaware: Temperatures averaged near normal over State; lowest temperature 58° Milford; highest temperature 94° Dover. Precipitation averaged 0.10 in., ranging from 0.01 in. Wilmington to 0.21 in. Georgetown.

Days suitable for fieldwork 6.7. Topsoil moisture short to adequate. Subsoil moisture very short to short. Field corn poor to fair. Field corn 99% silked, 99% 1985, 98% avg.; 74% dough, 88% 1985, 73% avg.; 58% mature, 60% 1985, 45% avg. Soybeans poor to fair. Soybeans 58% bloomed, 94% 1985, 76% avg.; 26% podding, 59% 1985, 43% avg. Potatoes 80% harvested, 69% 1985, 83% avg. Watermelons 63% harvested, 66% 1985, 56% avg. Cantaloupes 90% harvested, 83% 1985. Lima beans 33% harvested, 44% 1985. Tomatoes 53% harvested, 34% 1985, 54% avg. Pasture poor. Hay other than alfalfa 79% cut three times, 48% 1985. Peaches good. Apples good.

MICHIGAN: Temperatures ranged from normal to 3° below normal. Temperature extremes 88°; 41°. Precipitation ranged from none to 1.70 in.

Days suitable for fieldwork 5.5. Soil moisture 25% short, 70% adequate, 5% surplus. Corn 20% dough, 50% 1985, 45% avg.; dent 1%, 3% 1985, 2% avg.; 1% very poor, 4% poor, 15% fair, 55% good, 25% excellent. Soybeans 97% bloomed, 95% 1985, 96% avg. Setting pods 55%, 55% 1985, 65% avg.; 1% very poor, 4% poor, 20% fair, 55% good, 20% excellent. Wheat 100% harvested, 100% 1985, 98% avg. Dry beans 98% bloomed, 97% 1985, 96% avg.; setting pods 55%, 70% 1985, 70% avg.; 2% very poor, 8% poor, 20% fair, 45% good, 25% excellent. Major activities: Baling straw, tilling for winter wheat, hay harvesting, apple, peach, plum, vegetable harvesting. Vegetables excellent condition.

MINNESOTA: Temperatures averaged near normal to 3° below normal. Temperature extremes 39°; 93°. Precipitation averaged 0.04 to 0.46 in. above normal for eastern third, southwest and 0.10 to 0.52 in. below normal elsewhere. Greatest weekly total 3.00 in.

Days suitable for fieldwork 4.2. Topsoil moisture 7% short, 69% adequate, 24% surplus. Mild week across State. Combination of wet conditions and late planted fields posing weed, grass problems. Row crops making good progress. Spring wheat 93% turning ripe, 93% 1985, 97% avg.; 56% cut, 54% 1985, 77% avg. Oats 99% turning ripe, 99% 1985, 99% avg.; 88% cut, 93% 1985, 95% avg.; 73% combined, 78% 1985, 81% avg. Barley 98% turning ripe, 99% 1985, 99% avg.; 75% cut, 88% 1985, 93% avg.; 43% combined, 60% 1985, 77% avg. Field corn 99% tasseling, 99% 1985, 99% avg.; 91% in milk, 86% 1985, 81% avg. Winter wheat 91% harvested, 79% 1985, 90% avg. Rye 92% harvested, 85% 1985, 92% avg. Sweet corn 34% harvested for processing, 34% 1985, 31% avg.

MISSISSIPPI: Temperatures 1 to 2° below normal, extremes 58°; 97°. Cold front moved thru on 11th, warmer, wetter later in week. Greatest 24-hour total 3.45 in.

Days suitable for fieldwork 5.7, 4.0 1985, 4.5 avg. Soil moisture 21% very short, 45% short, 34% adequate. Corn 4% poor, 26% fair, 60% good, 10% excellent; 94% dented; 70% mature, 70% 1985, 56% avg.; 16% harvested, 13% 1985, 12% avg. Watermelons 86% harvested, 80% 1985, 81% avg. Hay 76% harvested, 71% 1985, 75% avg. Peaches 100% harvested, 96% 1985, 90% avg. Sorghum silage 57% harvested, 41% 1985, 39% avg. Corn silage 78% harvested, 54% 1985, 51% avg. Sweetpotatoes 6% harvested, 3% 1985, 7% avg. Peanuts 24% harvested, 21% 1985.

MISSOURI: Temperatures remained on cool side, averaging 5° below normal. Rainfall general with

2.00 in. totals Bootheel, west central Plains. Rainfall generally around .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: Temperatures 1 to 2° below normal across eastern third. West, southwest temperatures 1 to 4° above normal. Central sections temperatures near normal. Extremes for week 103 Thompson Falls to 30 Wisdom.

Days suitable for fieldwork 5.8. Topsoil moisture 60% short, 40% adequate. Subsoil 39% short, 61% adequate. Barley growth and condition 6% poor, 26% fair, 64% good, 4% excellent. Barley harvested 40%, 50% 1985, 40% avg. Oats 35%, 50% 1985, 45% avg. Second cutting alfalfa 50%, 70% 1985, 55% avg. Wild hay harvested 90%, 100% 1985, 85% avg.

NEBRASKA Amounts averaged 0.10 in. west to 0.50 in. east. Temperatures near normal. Temperatures extremes 49°; 100°.

Days suitable for fieldwork 4.2. Topsoil moisture 27% short, 57% adequate, 16% surplus. Subsoil moisture 20% short, 74% adequate, 6% surplus. Corn good to excellent. Soybeans, sorghum mostly good to excellent. Alfalfa mostly good. Third cutting 45%, 40% 1985, 35% avg. Pasture, range mostly adequate. Spring rains have kept range good where moisture short.

NEVADA: High pressure continued to dominate all areas entire week. West remained mostly dry. Southerly winds brought occasional intrusions tropical moisture south, east. Outbreak thunderstorms brought light rainfall west, nearly half in. southeast. Temperatures averaged 3 to 5° above normal. Extremes 34°; 111°.

Garlic harvest completed. Growers working on remaining acreages hay, small grains, onions, melons.

NEW ENGLAND: Scattered showers, thunderstorm activity; rainfall 0.50 to 3.00 in. Average temperatures ranged from the 60s north to 70s south.

Days suitable for fieldwork 5.7. Soil moisture 83% adequate, 17% surplus. Grazing availability 83% adequate, 17% surplus. Fieldwork progress 2.0 days behind schedule. Good weather helped hay harvest. Maine potatoes good. Field corn fair to good north, good to excellent south. Sweet corn 44% harvested, 44% 1985, 44% avg., good north, good to excellent south. Shade tobacco good; 55% picked. Second crop hay 57% cut, 73% 1985, 66% avg. Major farm activities: Haying, harvesting, vegetables, early fruits, broccoli, applying herbicides, insecticides, preparing machinery for harvest.

NEW JERSEY: Temperatures averaged near normal. Extremes 47°; 92°. Rainfall averaged 0.88 in. north, 0.79 in. central, 0.37 in. south. Heaviest 24-hour total 2.45 in. on 17th, 18th. Estimated soil moisture percent field capacity averaged 64% north, 57% central, 27% south. Four inch soil temperatures averaged 69° north, 73° central, 74° south.

Topsoil moisture levels varied. Hurricane Charlie may bring additional rain to some areas. Summer vegetable harvest active. Irish potato digging continued as field conditions permitted. Blueberry harvest complete; supplies moving from storage. Peach harvest active; supplies going to storage. Summer apples in good quantities. Field corn, soybean conditions mixed. Oat combining

neared completion. Third cutting of hay progressed.

NEW MEXICO: Weekly average temperatures averaged near normal to 12° above normal southeastern plains. Rain over most of State. Precipitation trace northwestern plateau, western mountains to 1.25 in. northern mountains.

Days suitable for fieldwork 6.5. Soil moisture 21% short, 79% adequate. Hail damage 75% none, 25% light. Alfalfa 27% fair, 53% good, 20% excellent. Corn 25% fair, 62% good, 13% excellent. Irrigated grain sorghum 17% fair, 66% good, 17% excellent. Dryland grain sorghum 50% fair, 50% good. Pecans 25% fair, 50% good, 25% excellent. Apples 40% fair, 60% good. Chile 20% fair, 40% good, 40% excellent. Onions 100% good. Cattle 93% good, 7% excellent. Sheep 93% good, 7% excellent. Range 7% poor, 14% fair, 79% good.

NEW YORK: Weak frosts 10th, 11th produced showers, differing amounts rainfall. High pressure, low humidity, sunshine 12th to 14th. Increased humidity, showers 15th, 16th. Temperatures averaged near normal highs 70s to 80s, lows 45 to 55°.

Days suitable for fieldwork 5.0. Corn remains very good. Wheat harvest 84% complete. Oat harvest 31%, 63% 1985, 49% avg. Oat lodging a problem. Hay yields good.

Alfalfa 2nd cutting 63%, 78% 1985, 75% avg. 3rd cutting 5%, 9% 1985, 10% avg. Pastures good to excellent. Peach, early apples harvest full swing. Rains delayed Orange County onion harvest.

NORTH CAROLINA: Temperatures averaged near normal across State. Temperature extremes 51°; 99°. Precipitation ranged from 0.34 to 8.00 in.

Days suitable for fieldwork 4.0. Soil moisture 4% very short, 38% short, 47% adequate, 11% surplus. Corn mostly poor to very poor. Corn for silage harvested 45%, 22% 1985, 22% avg. Cotton fair to good, setting bolls. Soybeans improved mostly fair to good, flowering, setting pods. Sorghum 15% very poor, 28% poor, 42% fair, 11% good, 4% excellent. Tobacco 2% very poor, 7% poor, 47% fair, 41% good, 3% excellent. Flue-cured tobacco harvested 35%, 30% 1985, 49% avg. Peanuts 36% fair, 59% good, 5% excellent. Sweetpotatoes 37% fair, 59% good, 4% excellent. Apples 75% fair, 25% good. Peaches harvested 94%, 90% 1984, 88% avg. Truck crops 35% poor, 41% fair, 21% good, 3% excellent. Hay 28% very poor, 31% poor, 29% fair, 12% good. Pasture 26% very poor, 30% poor, 26% fair, 18% good. Major farm activities: Cutting corn for silage; harvesting flue-cured tobacco, fruits, vegetables; suckering, topping tobacco; cutting hay; tending livestock; marketing tobacco; spraying soybeans, peanuts, cotton; planting fall cabbage; irrigating crops; shearing Christmas trees; mowing; arranging for hay deliveries; general farm maintenance.

NORTH DAKOTA: Cool, scattered showers. Warming trend at weeks end. Low 37° west central 11th, high 100° south central 15th. Most areas received light amounts of rainfall; heaviest southeast.

Days suitable for fieldwork 6.0. Topsoil moisture levels declined despite scattered showers but remain much above normal; specifically 23% short, 73% adequate, 4% surplus. Rain showers, heavy dew slowed harvest over eastern half of State. Durum, hard red spring wheat conditions continued to decline as harvest progresses. Hard red spring wheat combined 25%, 32% 1985, 41% avg., durum wheat combined 15%, 17% 1985, 27% avg.; barley combined 45%, 63% 1985, 69% avg. Progress of late season crops continued near or ahead of average while condition least 82% good or better for all crops except potatoes which are 27% fair, 73% good. Potato vines killed 9%, 2% 1985, 4% avg.; sunflower flowers dried and beyond 9%, 6% 1985, 13% avg.;

flax turning to ripe 48%, 58% 1985, 51% avg.; dry beans fully podded and beyond 86%, 68% 1985, 67% 3 year avg. Pasture conditions declined.

OHIO: Temperatures normal until hot humid weekend. Lows of mid 50s to highs of mid 80s; 90s on weekend. Rain none to 2.00 in; generally 0.50 in.; 0.50 in. below normal.

Fieldwork 5.8 days suitable. Soil moisture 53% short, 45% adequate, 2% surplus. Activities included windup of oat harvest, hay baling, processing tomatoes and cucumber harvest, fresh market vegetable harvest, summer apple picking. Corn good to excellent; 30% dented. Soybeans good; need rain except in northwest. Hay fair to good. Pastures fair. Tobacco cutting started. Potato digging nearly one-third complete.

OKLAHOMA: Temperatures averaged 1° below normal southeast to 4° below normal central. Precipitation ranged from 0.28 in. central to 2.92 in. north central.

Days suitable for fieldwork 5.4. Topsoil moisture 45% short, 53% adequate, 2% surplus. Subsoil moisture 45% short, 55% adequate. Wheat 100% harvested, 100% 1985, 100% avg. Farmers fertilizing wheat ground, treating perennial weeds. Sorghum 25% fair, 75% good; 60% heading, 85% 1985, 70% avg.; 30% coloring, 35% 1985, 20% avg. Grain sorghum harvest began south central. Cotton 5% poor, 60% fair, 35% good; 90% squaring, 99% 1985, 98% avg.; 70% setting bolls, 85% 1985, 65% avg.; 1% open bolls, none 1985, none avg. Boll weevils punctured up to 40% squares extreme southwest. Pastures fair to good, grasshoppers active. Cattle marketings, prices up slightly from preceding week.

OREGON: Coastal temperatures about normal, interior hot. Highest temperature 105° southwest interior on 14th. Rest of interior 2 to 8° above normal. Light precipitation along coast. Spotty precipitation interior. Greatest rainfall 0.02 in. southern coast. Dry thunderstorms started numerous fires east of Cascades early to midweek.

Soil moisture 90% short, 10% adequate. Barley 86% harvested. Grain harvest winding down, some field burning. Mint harvest passed peak. Clover seed harvest began. Vegetable crops harvest began Malheur County. Fall seeding preparations underway. Third hay cutting neared completion west, second cutting eastern high country. Bartlett pear harvest continued Hood River, Jackson Counties. Winter pear harvest expected soon Jackson County. Gravenstein apples picked Hood River, Willamette Valley. Peach harvest continued Willamette Valley. Red Haven peach harvest slowed down Hood River. Jackson County growers continued 49er peach harvest. Blueberry harvest continued coastal areas, mostly finished elsewhere. Amity raspberry harvest continued, some heat damage. Evergreen blackberry harvest in progress Willamette Valley. Sweet corn harvest continued early stages most areas. Early onion harvest began Malheur County, size, quality excellent; onions neared maturity Willamette Valley, Jackson County. Snap bean harvest later stages Willamette Valley. Norgold potato harvest began Malheur County; potatoes sizing well central area; early potatoes harvested Willamette Valley. Livestock mostly good. Some cattle contracted. Ranges, pastures very dry except where irrigated or at highest elevations. Fire danger remained extreme. Some fall forage seeding underway. Grasshoppers only in hot spots.

PENNSYLVANIA: Dry, cool weather prevailed across State during midweek with muggy, wet conditions at each end. Average temperature 69°, 1° below normal. Temperature extremes 40°; 93°. Average precipitation 0.85 in., 0.01 in. above normal.

Days suitable for fieldwork 5.0. Soil moisture 28% short, 64% adequate, 8% surplus. Corn 51% dough, 11% dented; 1985 42% dough, 4% dented; avg. 40% dough, 4% dented. Corn 2% very poor, 3% poor, 21% fair, 43% good, 31% excellent. Soybean 1% very poor, 2% poor, 16% fair, 51% good, 30% excellent. Wheat harvest 99% complete; 100% 1985. Oat harvest 90% complete; 82% 1985. Potato harvest 31% complete; 32% 1985. Second cutting alfalfa 93% complete; 93% 1985. Third cutting alfalfa 47% complete; 54% 1985. Second cutting clover-timothy 74% complete; 72% 1985. Quality of hay made fair to good. Amount of feed being obtained from pastures avg. to above avg. Apple harvest 18% complete; 14% 1985. Peach harvest 64% complete; 68% 1985. Activities: Making hay and haylage; harvesting wheat, oats, peaches, apples, potatoes, tobacco, other vegetables; fall plowing.

PUERTO RICO: Island average rainfall 1.63 in., 0.03 in. above normal. Highest weekly total 5.46 in. Highest 24-hour total 2.12 in. Temperature averaged about 80 to 82° on coasts, 76 to 78° interior divisions. Mean station temperature ranged from 67 to 82°. Extremes 59°; 94°. Total rainfall 0.84 in., 0.49 in. below normal.

SOUTH CAROLINA: Temperatures varied cool, moist early week, warm, dry late week. Low pressure system brought plentiful showers, heavy thunderstorms. Rainfall varied from 0.50 to 6.00 in.

Days available for fieldwork, 4.0. Soil moisture 21% very short, 45% short, 34% adequate. Cotton squaring 100%; setting bolls 94%, 100% 1985, 100% avg.; 8% open bolls, 13% 1985, 10% avg.; 67% very poor, 18% poor, 15% fair. Soybeans blooming 59%, 81% 1985, 74% avg.; 29% setting pods, 40% 1985, 37% avg.; 1% leaves turning, 5% very poor, 46% poor, 40% fair, 9% good. Tobacco fair; 100% topped; 65% harvested, 63% 1985, 70% avg.; 5% stalks destroyed, 5% 1985. Corn poor; 85% mature, 86% 1985, 73% avg.; 25% harvested, 18% 1985, 14% avg. Peanuts poor to fair, none harvested, 1% 1985. Peaches, apples fair, grapes poor to fair. Pastures, hay poor to fair. Rains helped crops considerably.

SOUTH DAKOTA: Average temperatures 3° above to 4° below normal. Extremes 40°; 100°. Precipitation above normal southeast half, below normal northwest half.

Days suitable for fieldwork 5.2. Topsoil moisture adequate eastern edge, north central, south central; 5% critically short, 45% short, 48% adequate, 2% surplus. Row crops maturing at or ahead of normal pace. Crops mostly good. Range, pastures, livestock good to excellent. Feed and stockwater adequate.

TENNESSEE: Temperatures averaged near seasonal normals. Precipitation over entire State.

Days suitable for fieldwork 5.5. Soil moisture 28% very short, 61% short, 11% adequate. Corn 90% dough, 92% 1985, 91% avg.; 70% dented, 60% 1985, 50% avg.; 25% mature, 15% 1985, 11% avg.; 10% very poor, 19% poor, 56% fair, 15% good. Cotton 95% setting bolls, 99% 1985, 6% avg.; 3% open bolls, 3% 1985, 4% avg.; 2% very poor, 1% poor, 45% fair, 52% good. Sorghum 96% headed, 91% 1985; 70% turning color, 50% 1985; 5% very poor, 5% poor, 88% fair, 2% good. Soybeans 80% blooming, 85% 1985, 85% avg.; 50% setting pods, 50% 1985, 35% avg.; 5% very poor, 26% poor, 62% fair, 7% good. Tobacco 60% topped, 80% 1985; 14% Burley harvested, 12% 1985, 15% avg.; 20% Dark fired harvested, 8% 1985, 15% avg.; 20% Dark air-cured harvested, 10% 1985, 20% avg.; 6% very poor, 35% poor, 55% fair, 4% good. Cattle fair to poor. Pastures mostly poor to fair.

TEXAS: Cooler air flow upper levels, mixing some thunderstorms lowered temperatures slightly for week. Late week trough line west stationary, bringing thunderstorms southern Panhandle, southern Low Plains. Slow moving thunderstorms prompted several flood warnings. Weekend system shifted eastward causing thunderstorm development along Red River counties north, east. Hot, dry conditions developed rest State during weekend. Temperatures at or below normal. Rainfall totals above normal High Plains, north, east. Central, south dry; temperatures slightly below normal.

Crops: Corn irrigated fields Plains good progress. Yield prospects excellent. Dryland fields maturing rapidly, could use rain. Some silage harvest occurred. Harvest continued most other areas, operations winding down Valley, south, central, Upper Coast, east. Yields generally good. Harvested 60%, 20% 1985, 30% avg. Irrigated grain sorghum fields making good progress Plains. Harvesting early fields started Low Plains, Cross-Timbers. Early yields good. Later dryland fields hurt by hot weather. Harvesting continued Blacklands, central, east. Yields varied from below average to good. Mature 59%, 56% 1985, 58% avg. Harvested 52%, 50% 1985, 54% avg. Cotton good progress Plains most fields setting bolls. Some early fields Low Plains started to open. Defoliating continued northern Blacklands, harvesting already underway southern Blacklands. Bolls Trans-Pecos opening, experiencing moderate bollworm damage. Harvest resumed Coastal Bend, Valley; activity now winding down. Harvesting also continued Upper Coast, east. Harvested 9%, 8% 1985, 5% avg. Rice harvest Upper Coast winding down last week. Yields good. Irrigated peanuts continued good progress most areas. Development good Cross-Timbers. Dryland fields could use additional rain. Some harvesting underway south, small scale. Yields average. Harvested none, 1% 1985, 1% avg. Soybeans Plains good progress. Some fields Upper Coast burning from hot weather. Some early harvest underway, good yields.

Commercial Vegetables: Rio Grande Valley, land preparation, planting fall crops underway. Early stands good. San Antonio - Winter Garden, early stands good. Pre-irrigation spinach ground underway. East, sweetpotato harvest underway. Quality good. Watermelon harvest continued. High Plains, onion, potato harvest winding down. Carrot harvest expected to begin soon. Harvest sweet corn, cucumbers, cabbage underway. Trans-Pecos, chili harvest underway. Cantaloupe harvest continued. Pecans make good progress; many areas could use moisture to lessen nut droppage from dry conditions. Nuts water to gel stage most areas. Pecan scab plague some groves.

Range and Livestock: Range, pasture conditions improving somewhat with recent showers; many areas still dry. Some greening occurred. Recent hot weather affected livestock weight gains, most animals remain good condition. Goat shearing continued. Markets busy, prices steady.

UTAH: Temperatures 1 to 4° above normal. Precipitation light, moderate south central, heavy extreme southwest.

Days suitable fieldwork 6.5. Topsoil moisture 68% short, 32% adequate. Winter wheat 79% harvested, 81% 1985, 68% avg.; barley 73% harvested, 72% 1985, 54% avg.; spring wheat 51% harvested, 54% 1985, 35% avg.; oats 31% harvested, 51% 1985, 25% avg. Corn 81% tasseled, 88% 1985, 83% avg.; alfalfa 2nd cutting 91% complete, 93% 1985, 84% avg. Peach harvest underway, apples, pears expected harvest September 1st to 10th. Ranges fair to good, livestock good to excellent.

VIRGINIA: Above normal rain east, southeast; average 2.25 in. Rest of State averaged 1.00 in. Temperatures near normal, range 58 to 96°.

Days suitable for fieldwork 3.9. Soil moisture 61% short 39% adequate. Moisture improved east, still dry west. Corn very poor to poor. Silage harvest began. Corn 94% in or beyond silk, 96% 1985, 96% avg. Corn 72% in or beyond dough stage, 79% 1985, 68% avg. Corn 56% in or beyond dent stage, 46% 1985, 56% avg. Soybeans poor. Late planted soybeans improving with rain. Soybeans 70% in or beyond bloom stage, 78% 1985, 74% avg. Soybeans 40% setting pods, 50% 1985, 50% avg. Peanuts good to excellent. Flue-cured tobacco harvest 10% complete, 15% 1985, 32% avg. Condition varies, poor to good. Burley harvest just beginning. Fire and sun-cured harvest not begun. Topping, sucker control continued. Pasture, hay land improved but still very poor many areas. Seeding alfalfa, other hay. Topdressing pastures. Cutting hay. Feed short, some still selling livestock. Rain helped fall vegetables. Apple harvest active.

WASHINGTON: Temperatures mostly hot, 1 to 10° above average. Precipitation very limited, widely scattered.

Days suitable for fieldwork 7.0. Soil moisture 45% short, 55% adequate. Winter wheat good to fair; 80% harvested, 77% 1985, 73% average. Potatoes 12% harvested; mostly good, some Norgold hollow heart. Bartlett Pear harvest continued; tonnage, quality, size mostly good; some frost marked. Apples sizing well. Blueberry harvest past peak. Vegetable harvest full swing. Hay supplies mostly adequate to surplus. Range, pasture 45% short, 55% adequate.

WEST VIRGINIA: Temperature averaged near normal. Temperature extremes 51° Greenbank, 96° Moorefield. Average temperature 72°. Precipitation above normal in northern mountains, near normal for rest of State. Average precipitation 0.57 in.

Days suitable for fieldwork 5.1. Soil moisture 24% very short, 34% short, 42% adequate.

WISCONSIN: Temperatures cooler than normal averaged 66°, low 37°, high 92°. Rainfall 0.60 to 1.90 in.

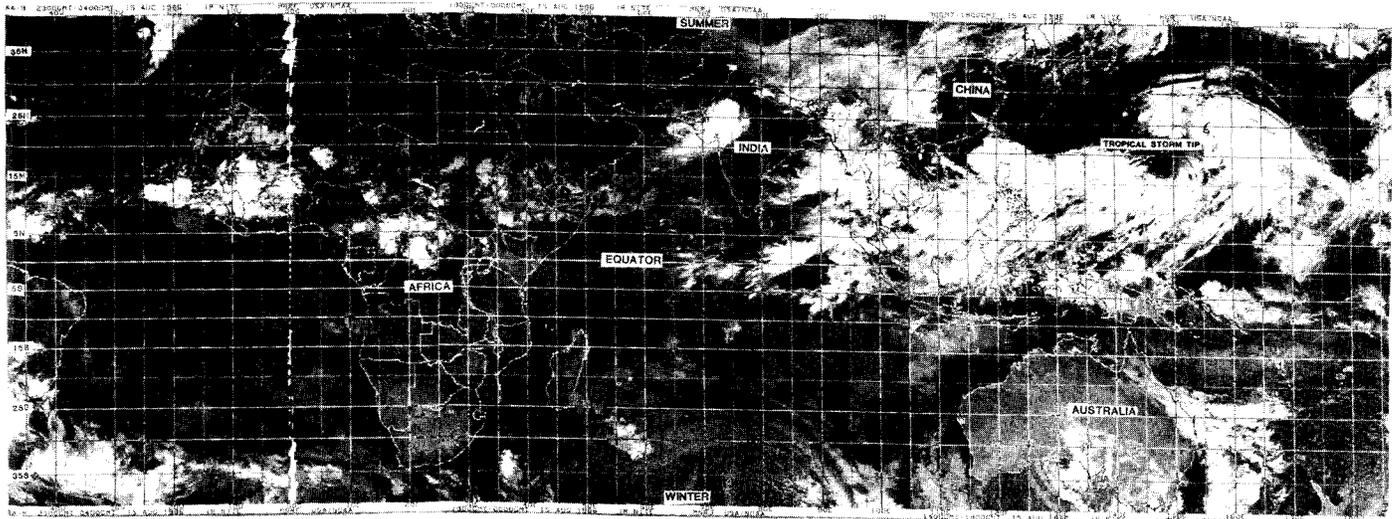
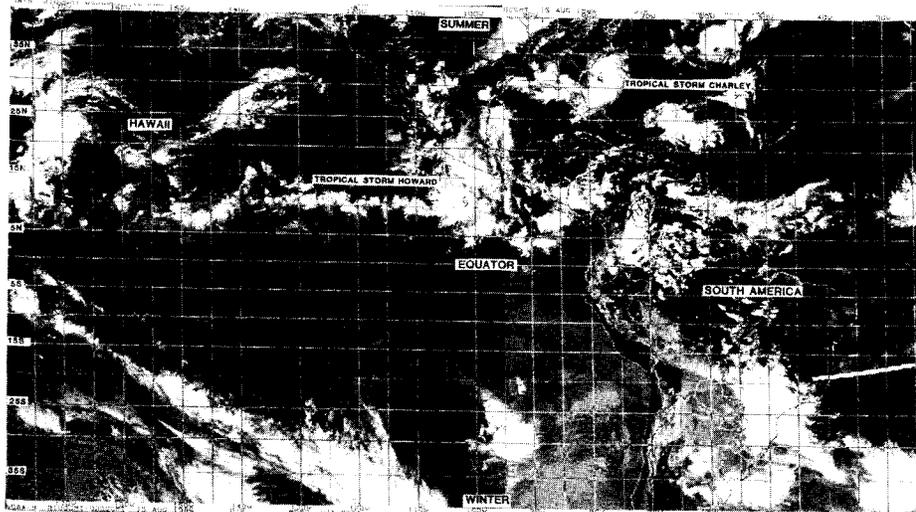
Days suitable for fieldwork 4.0. Soil moisture 4% short, 76% adequate, 20% surplus. Crops 5% fair, 74% good, 21% excellent. Corn 2% fair, 49% good, 49% excellent. Corn in dough 52%, 41% 1985, 40% avg. Corn in dent 9%, 7% 1985, 6% avg. Soybeans setting pods, very good condition. Second cutting hay 79%, 87% 1985, 78% avg. Delayed by rain, leafhoppers damaging. Third cutting hay 13%, 16% 1985, 7% avg. Yields very good both cuttings. Oats 76% harvested, 76% 1985, 66% avg. Winter wheat harvested 96%, 94% 1985, 89% avg. Tobacco harvest started. Cranberry crop variable condition. Sweet corn yields very good.

WYOMING: Temperatures near normal. Rainfall mostly below normal.

Days suitable for fieldwork 7.0. Topsoil moisture 40% short, 60% adequate. Winter wheat mature 10%, 5% 1985; harvested 90%, 95% 1985, 90% avg. Barley headed 5%; turning color 15%, 10% 1985; mature 30%, 35% 1985; harvested 50%, 55% 1985, 45% avg. Spring wheat turning color 10%, 10% 1985, 45% avg.; mature 50%, 25% 1985, 45% avg.; harvested 40%, 60% 1985, 40% avg. Oats headed 5%, 10% 1985; turning color 20%, 25% 1985, 50% avg.; mature 40%, 35% 1985, 40% avg.; harvested 35%, 30% 1985, 25% avg. Row crop prospects mostly good to excellent. Potatoes in bloom 100%, 85% 1985. Dry beans in bloom 100%, 55% 1985, 85% avg.; setting pods 90%, 90% 1985, 80% avg.; leaves turning color 30%, 5% 1985. Corn tasseled 95%, 50% 1985; silked 90%, 45% 1985; milk 50%, 20% 1985; dough 20%, small amount 1985. Alfalfa second cutting complete 60%, 60% 1985, 45% avg. Other hay harvested 80%, 80% 1985, 75% avg. Stored feed supplies average to above. Pastures, ranges fair to good.

Global Weather Satellite Image

AUGUST 15, 1986



International Weather and Crop Summary

August 10 - 16, 1986

HIGHLIGHTS:

UNITED STATES ... Rain and cooler temperatures eased crop stress across the Delta and in the Southeast. The cooler temperatures slow crop development across the eastern half of the Nation, but development remains ahead of normal in most areas. Crops improve in the Delta and in the Southeast.

U.S.S.R. ... In Western U.S.S.R., wet weather in the north delays harvesting. Dry weather in the south aids harvesting. In the New Lands, showers in the north benefit spring grains in the filling stage. Dry weather in the extreme south favors crop maturation.

EUROPE ... Light showers continue over southwestern France, stabilizing conditions for corn in the filling stage.

SOUTH ASIA ... Minimal rain persists in cotton and groundnut regions of northwestern and southern India.

EASTERN ASIA ... Rain continues to benefit summer crops in the North China Plain. Dry weather covers intermediate rice in the Yangtze Valley, but moisture supplies are adequate for growth. Inundative rain covers southern coastal rice areas.

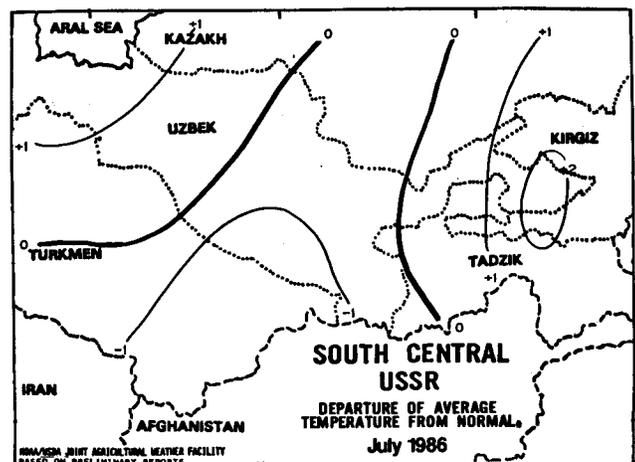
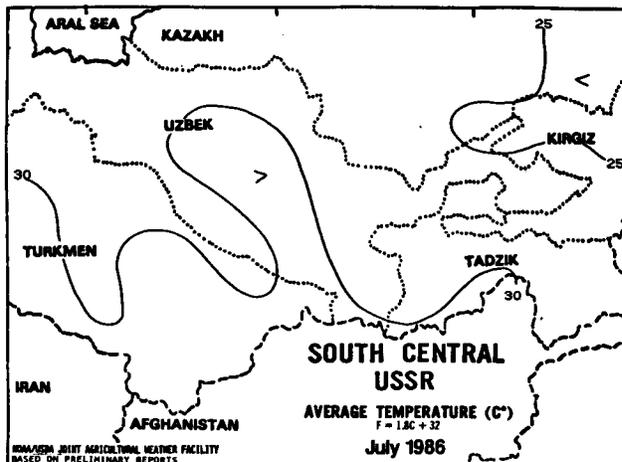
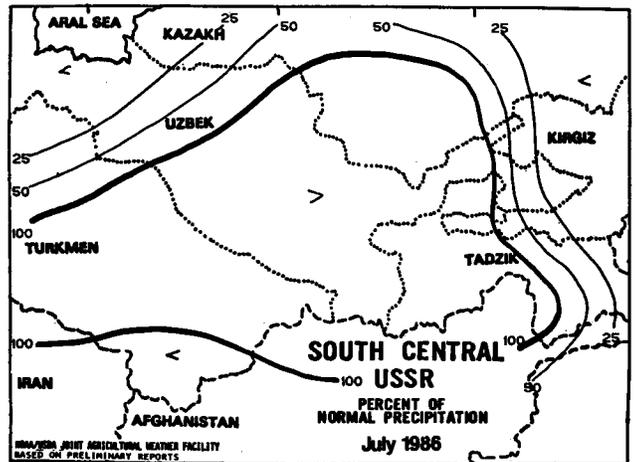
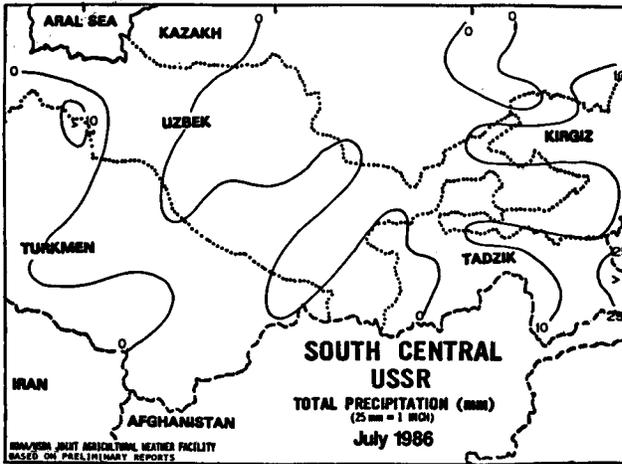
MEXICO ... Mostly dry weather favors the northern cotton harvest. Highly variable rainfall covers the corn belt.

CANADA ... Dry, mild weather favors maturing crops across the Prairie grain belt.

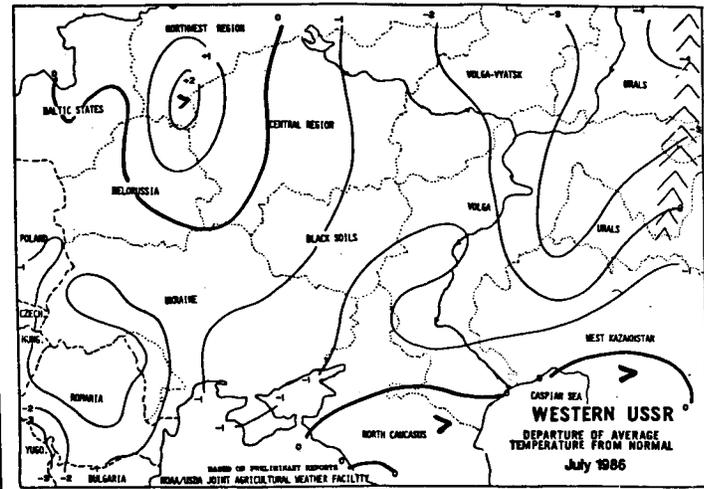
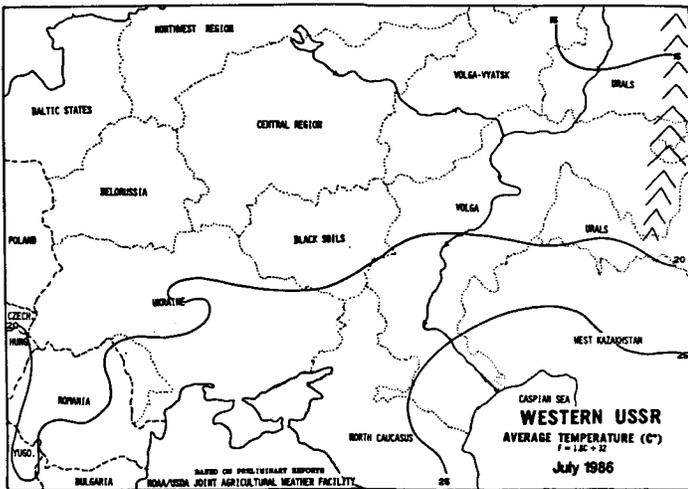
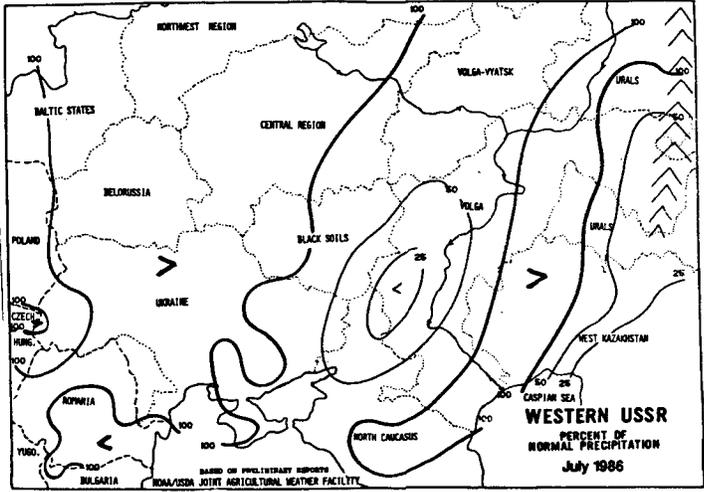
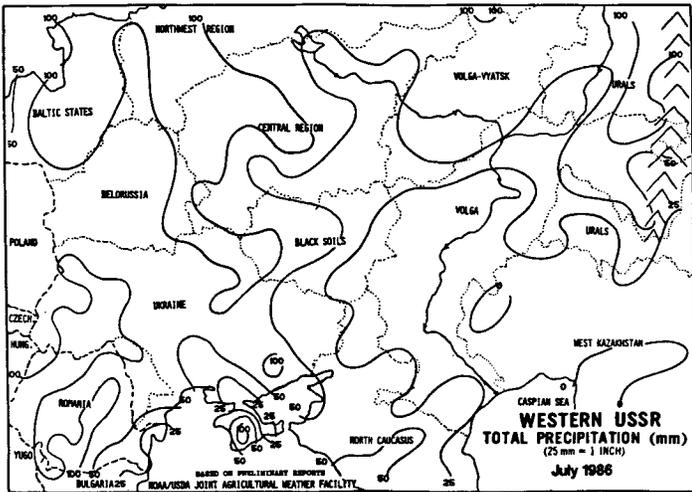
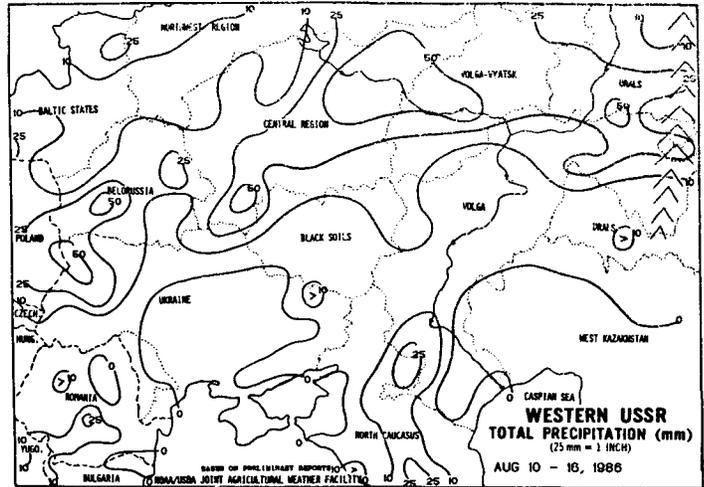
SOUTHEAST ASIA ... Locally heavy showers benefit grain-filling corn and rain fed rice in Thailand.

SOUTH AMERICA ... In Brazil, beneficial rain falls in Parana. In Argentina, light rain in the east helps early wheat growth, but dryness continues in the west.

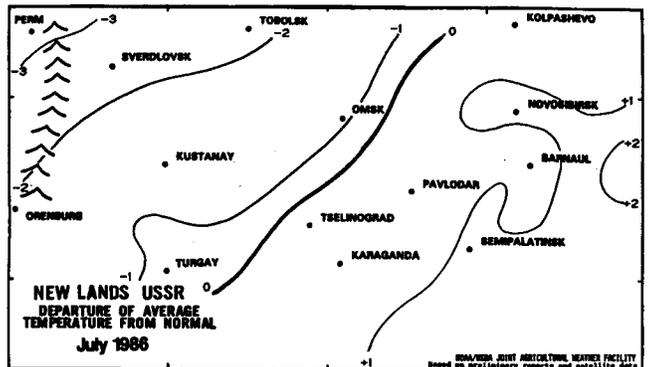
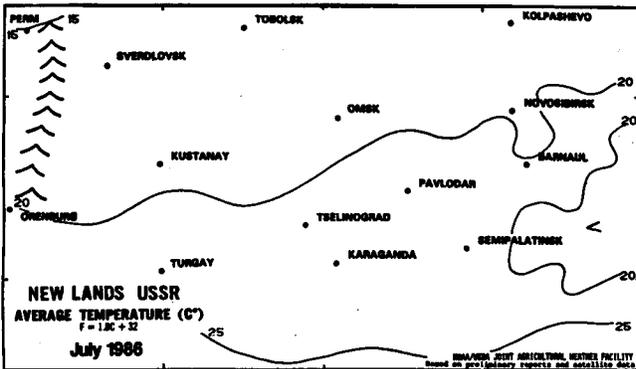
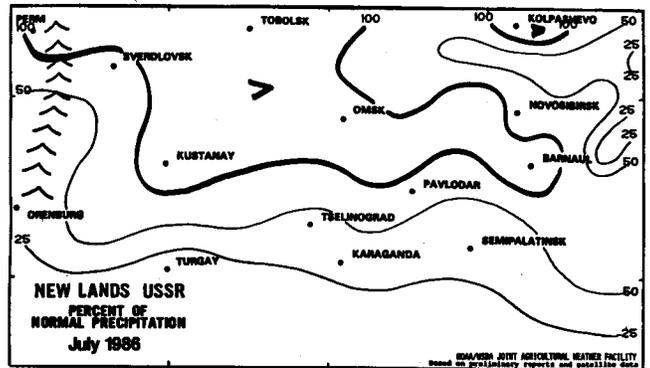
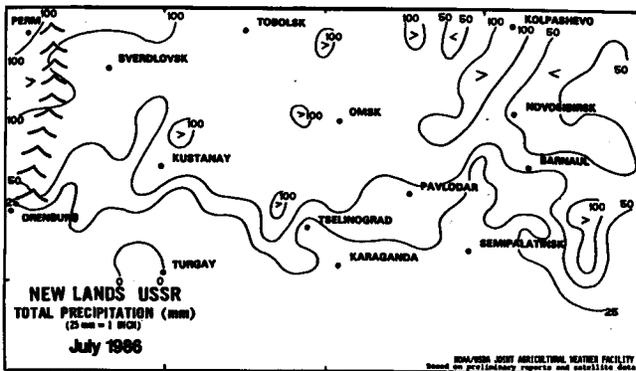
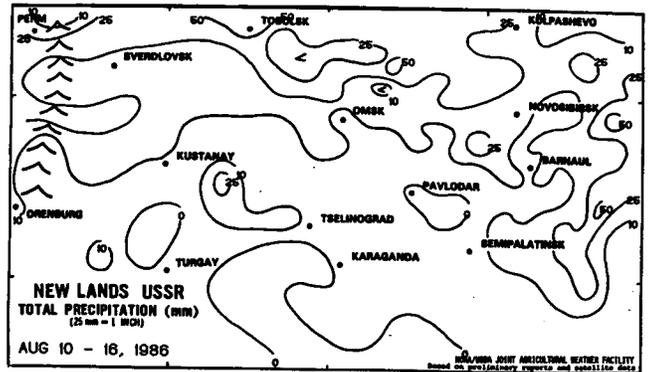
AUSTRALIA ... Moderate to heavy showers in eastern Australia benefit vegetative wheat and improve soil moisture reserves.



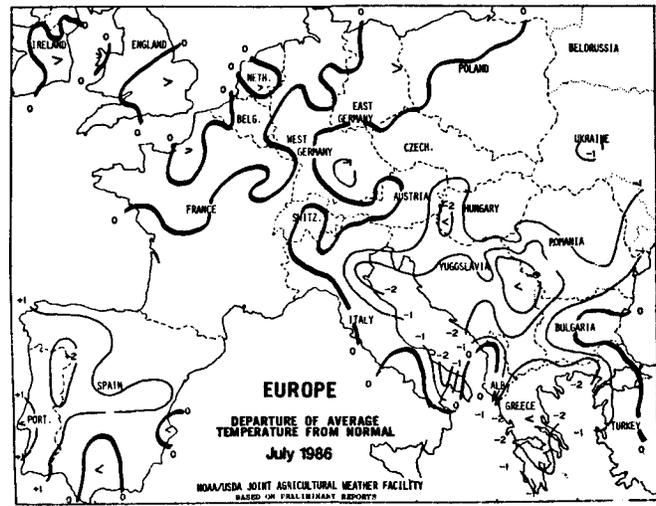
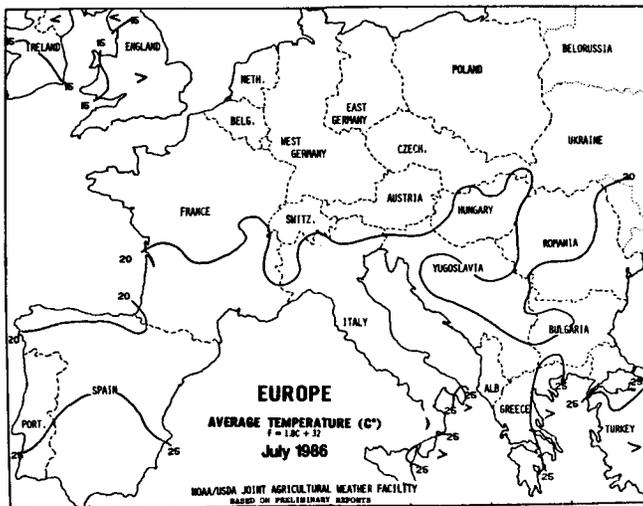
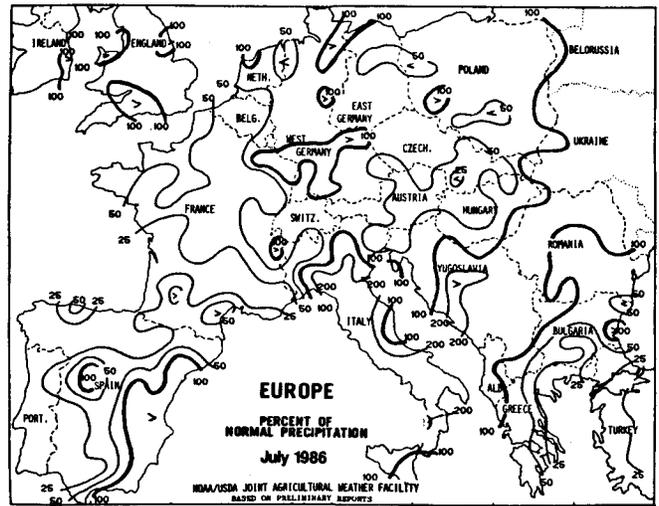
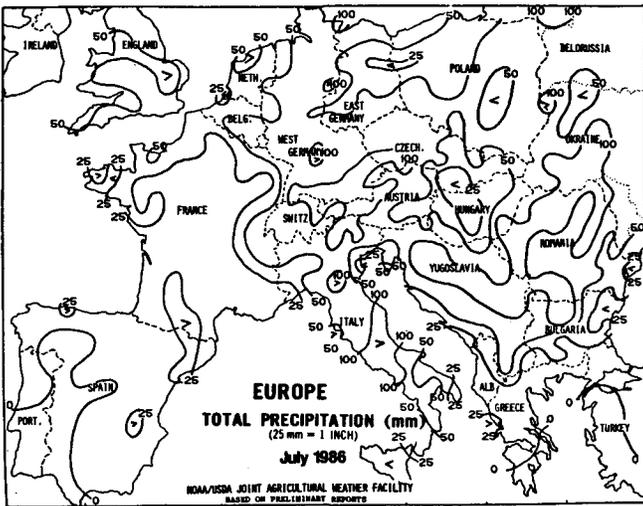
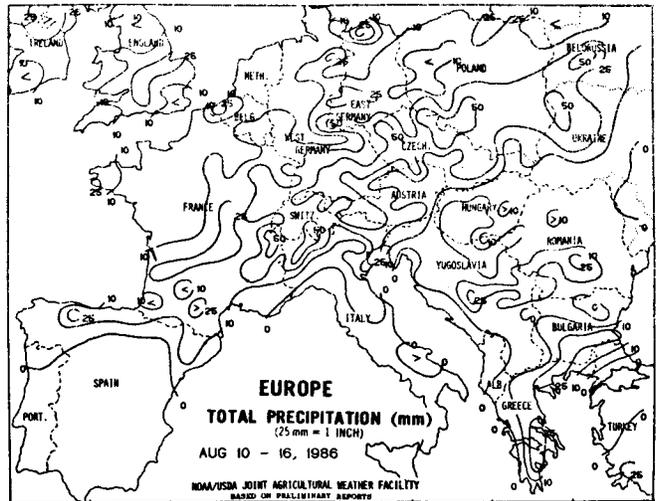
WESTERN U.S.S.R. ... Wet weather (25 to 50mm) stretched eastward from the western Ukraine and Belorussia, through the Central and Volga Vyatsk Regions, and into the northern Urals, likely causing some delays in harvesting. The wet weather in the northeast may have also delayed winter grain planting which normally begins in early August. Mostly dry weather in the southern and eastern Ukraine, North Caucasus, southern Black Soils and Volga continued July's below-normal precipitation pattern. July's dry weather in these areas likely hurt sunflowers and corn advancing through reproduction, but aided small grain harvesting. Above-normal July precipitation in the western Ukraine, Belorussia, Baltic States, and parts of the Central Region benefited spring grains in the filling stage.

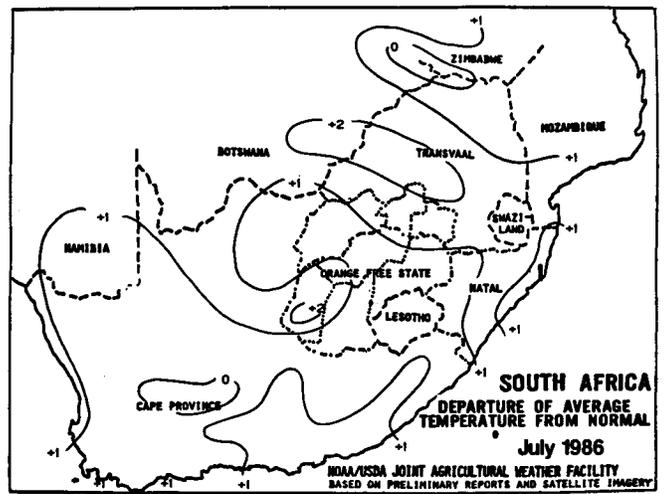
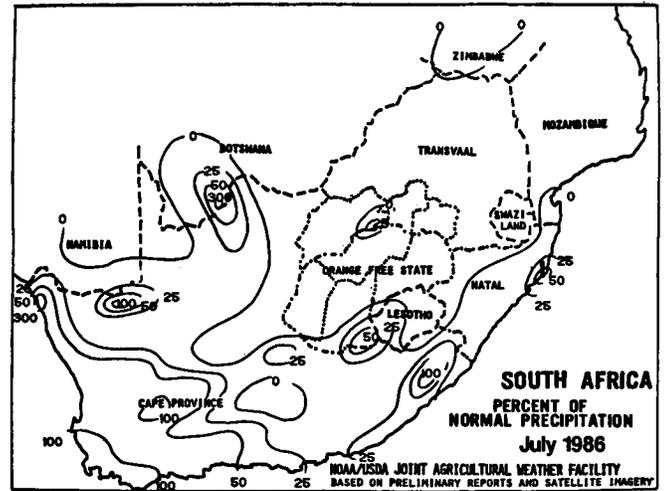
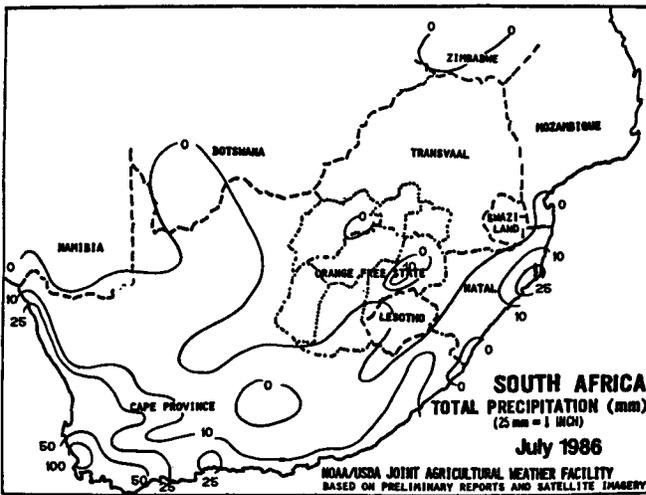
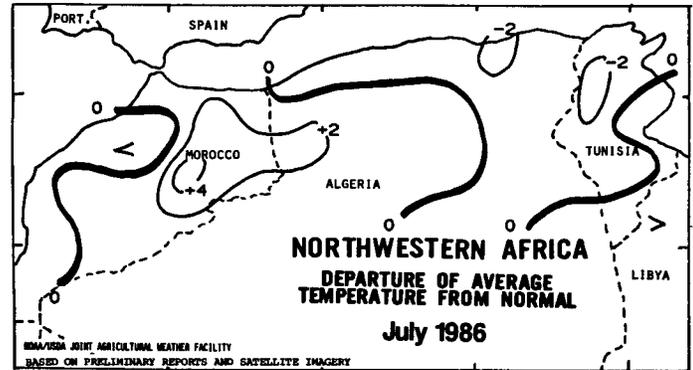
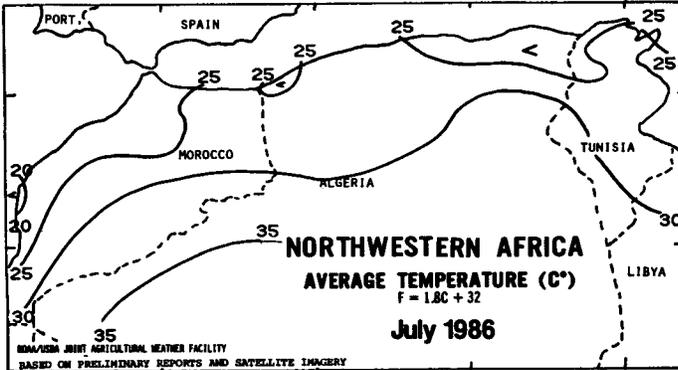
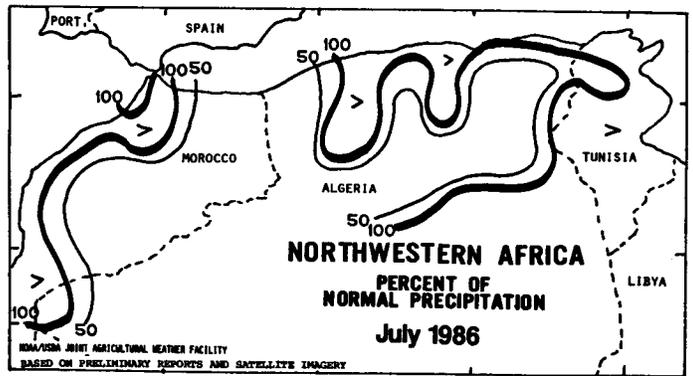
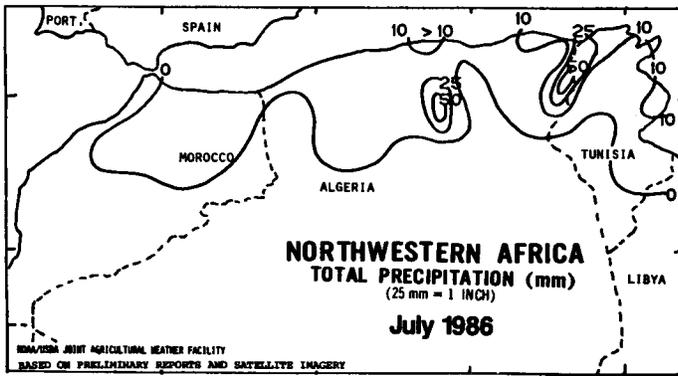


NEW LANDS ... Showers (10 to 25mm) covered the northern half of the region, benefiting spring grains in the filling stage. Mostly dry weather in the extreme south favored crop maturation. Drier weather in central crop areas was beneficial, following the previous week's wet weather. In July, near to above-normal precipitation benefited spring grains in central and northern crop areas. Southernmost crop areas were unfavorably dry, and periods of hot weather in both early and late July increased heat stress. Temperatures were below normal continuing July's below-normal pattern in the west but reversing July's above-normal temperature pattern in the east.

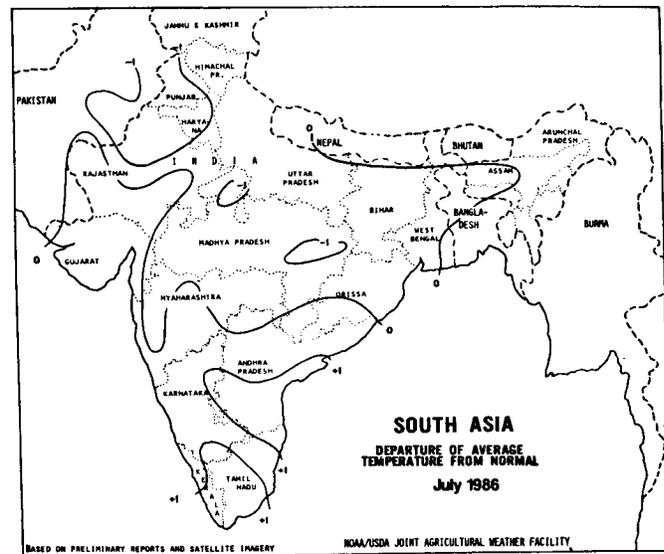
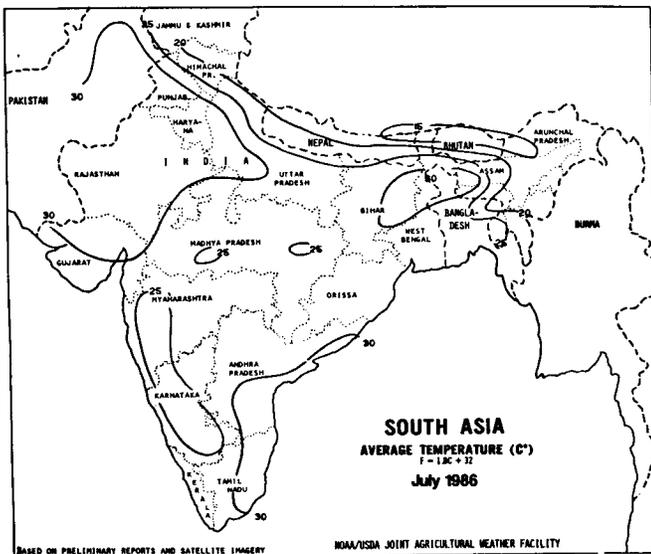
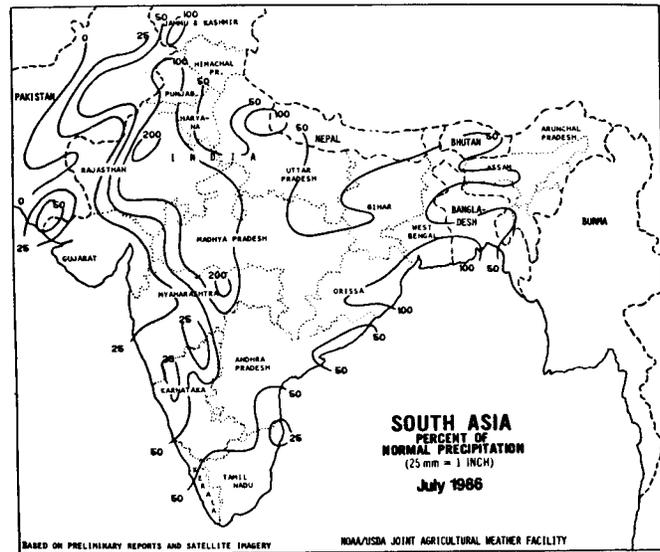
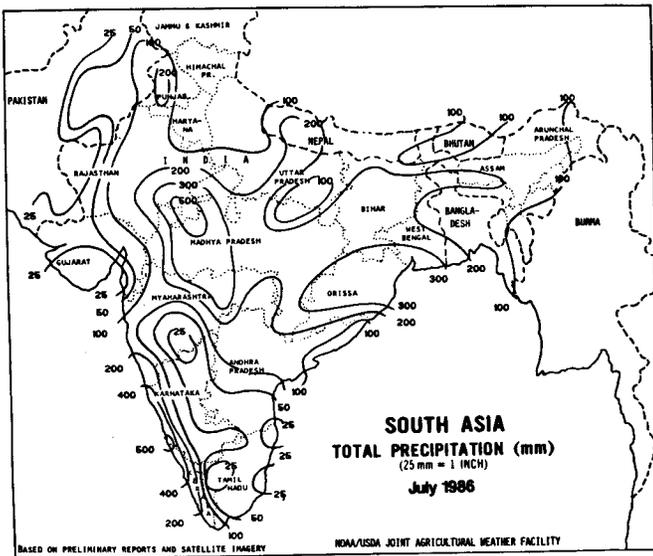
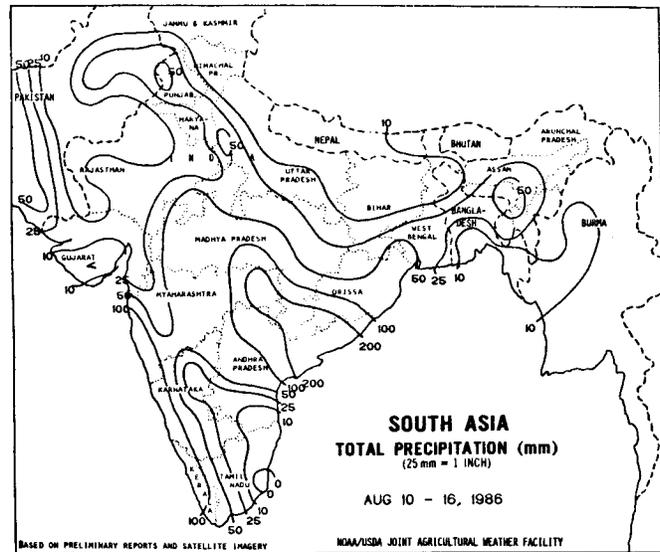


EUROPE ... Significant rainfall (25 to 50mm) covered central European crop areas which stretched northeastward from central France, through southern West Germany and Czechoslovakia, and into southern Poland. Light showers continued over southwestern France, improving moisture supplies for corn in the filling stage. July's precipitation was much below-normal in France which likely hurt corn advancing through reproduction. However, the dry weather aided small grain harvesting. Dry weather in Hungary continued July's below-normal precipitation pattern, likely causing some deterioration in summer crop conditions. Wet weather in Czechoslovakia and Poland reversed July's below-normal rainfall, improving conditions for summer crops. July's below-normal rainfall in West Germany and East Germany allowed small grain harvesting to progress with minimal delays. Dry weather in western Romania and eastern Yugoslavia was beneficial, following July's wet weather pattern. Unusually wet weather during July covered peninsular Italy and Spain's east coast, causing local flooding and harvest delays.

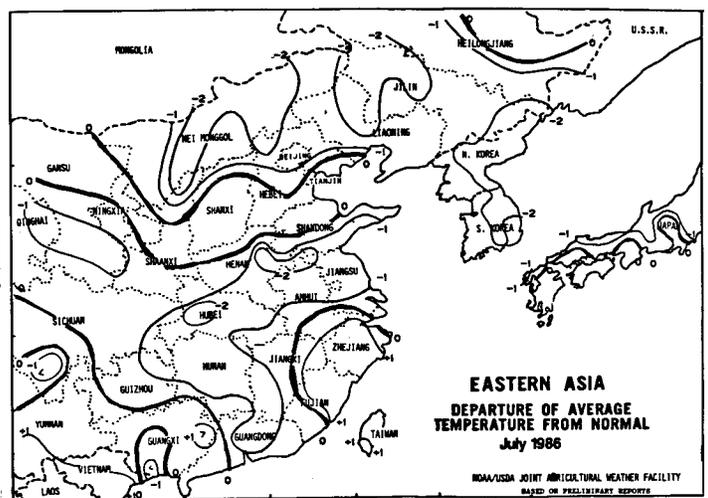
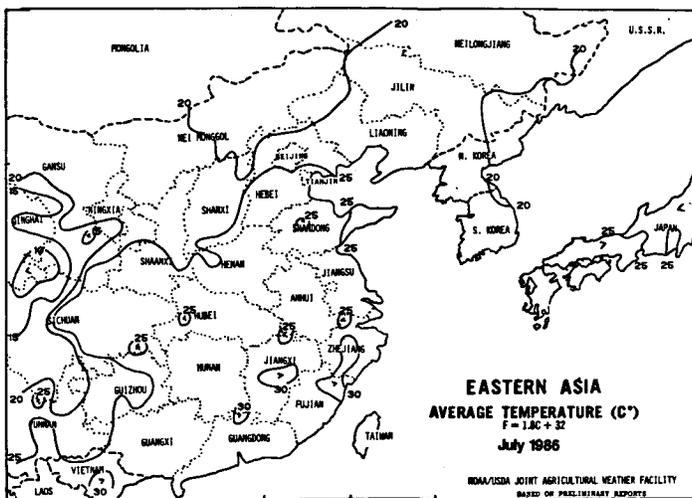
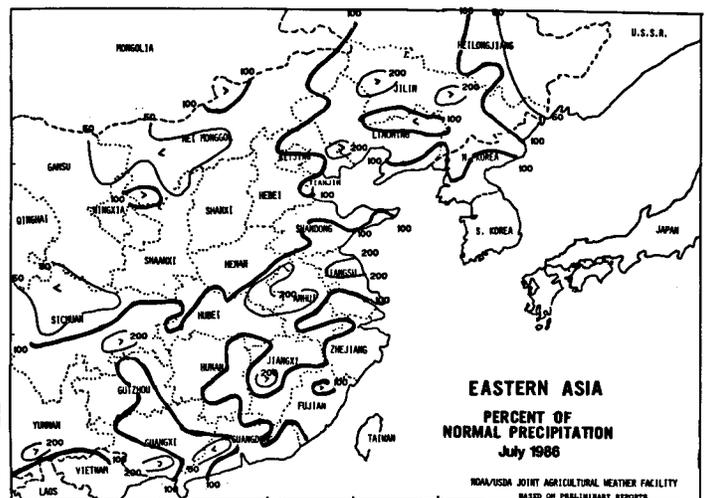
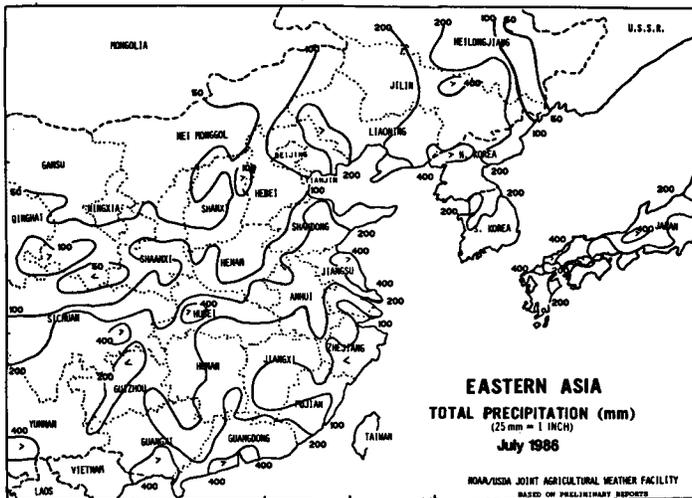
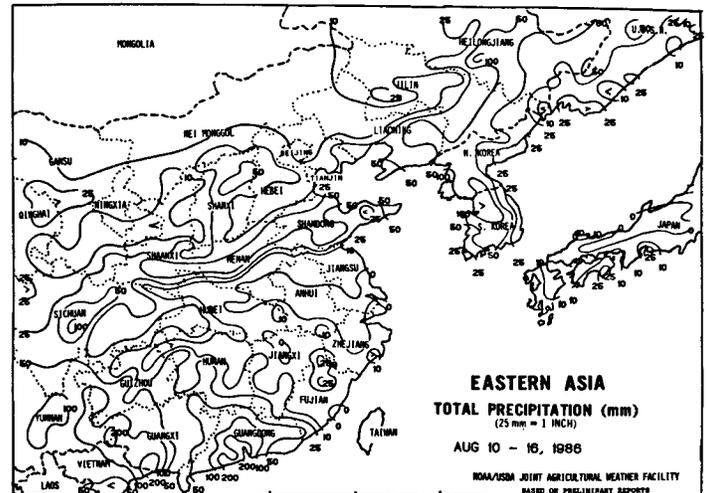




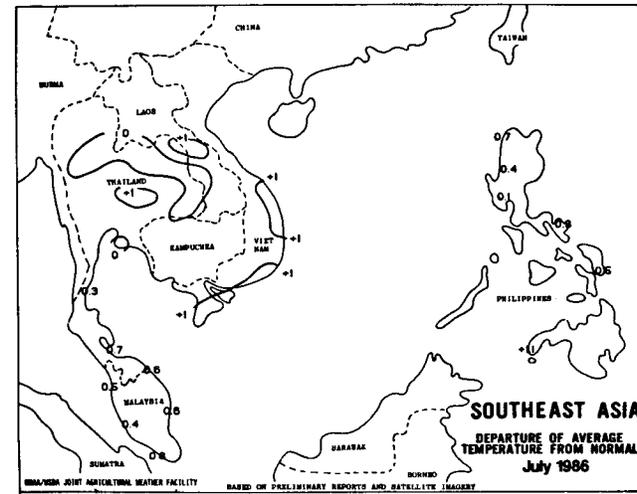
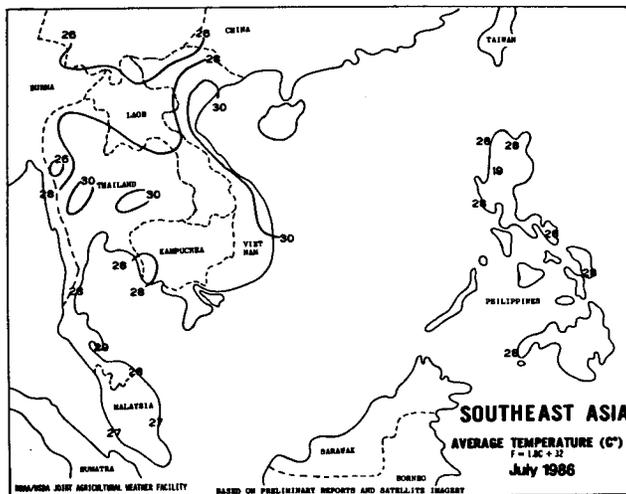
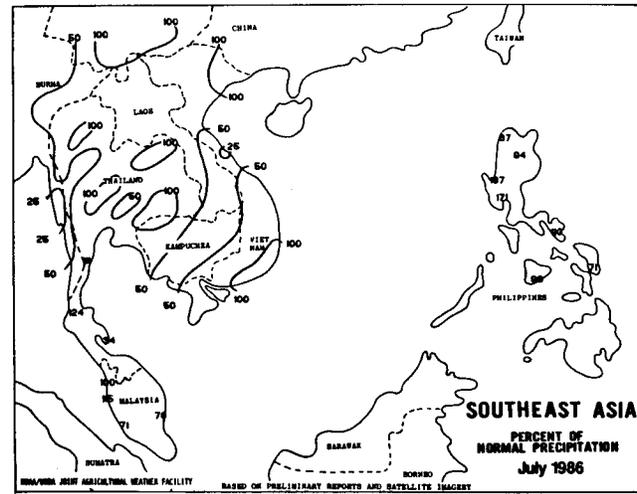
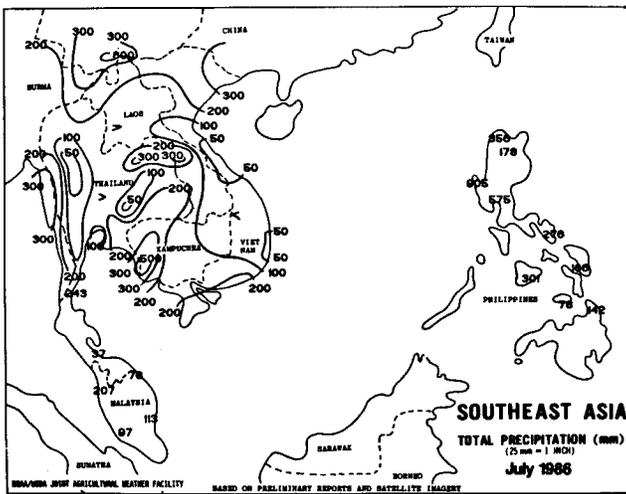
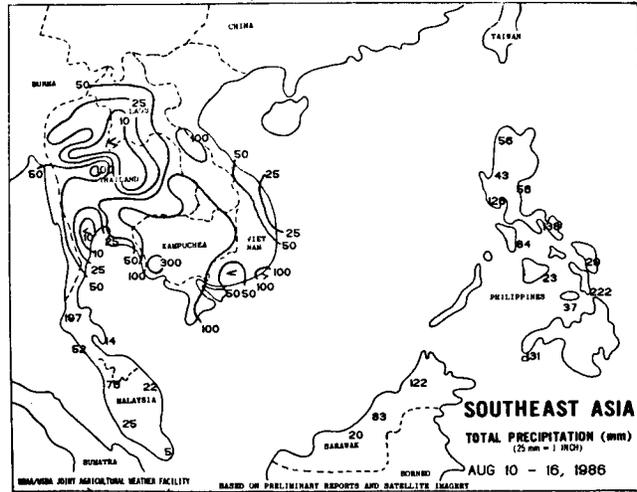
SOUTH ASIA ... Light rain (3 to 18mm) fell in northwestern India, where moisture supplies continued to be limited for vegetative growth of cotton and groundnuts. July rain, which developed late in the month, was minimal (less than 25 percent of normal). In southern India, light showers (less than 25mm) covered Karnataka, southern Andhra Pradesh, and Tamil Nadu. Much of southern India received below-normal rainfall in July. However, recent monsoon showers improved crop conditions in Maharashtra and northern Andhra Pradesh. Heavy monsoon showers (100 to more than 200mm) also fell from southern Orissa to Madhya Pradesh, benefiting cotton, groundnuts, and rice. Some local flooding has been reported in northern Andhra Pradesh and Orissa. Light to moderate showers (25 to 100mm) fell from northern Orissa to Punjab, but minimal rain (less than 25mm) fell in the northern states from Uttar Pradesh to western Assam, reflecting the July rainfall pattern.



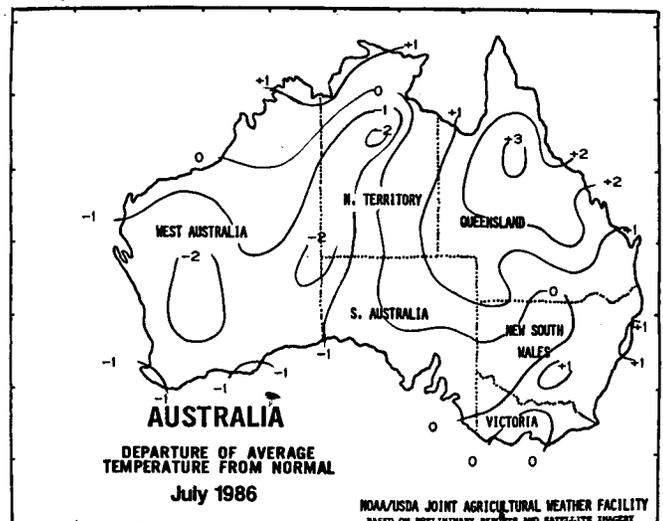
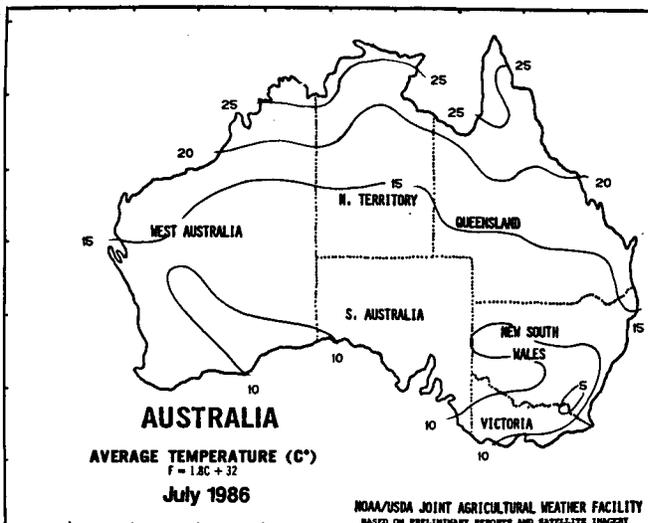
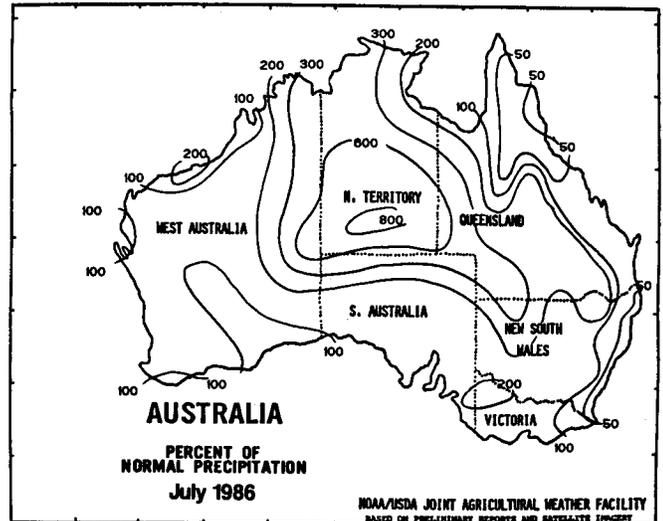
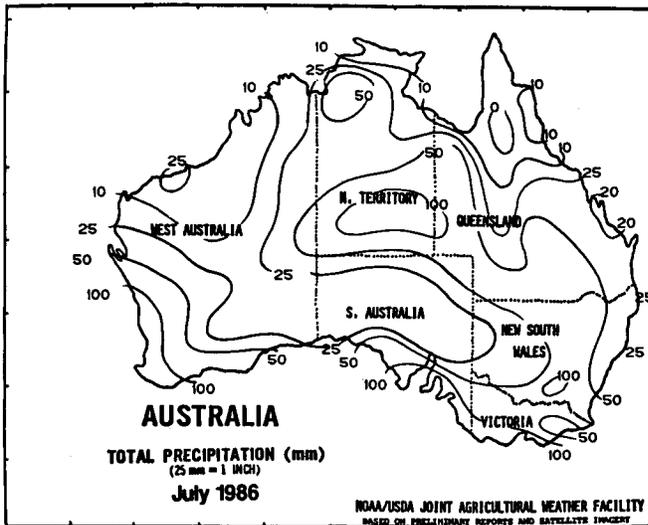
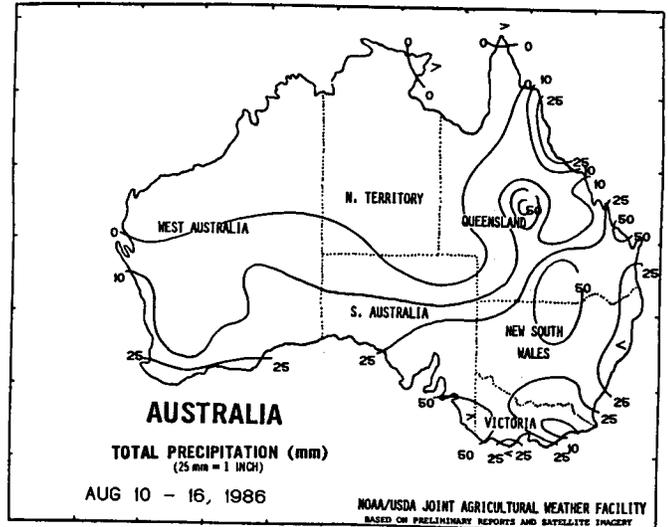
EASTERN ASIA ... Showers continued over the North China Plain. Heaviest rainfall (25 to 76mm), covered crop areas in central Shanxi, northern Henan, southern Shaanxi, Shandong, and parts of Hebei, favoring late corn, late soybeans, and cotton in the filling stage. Rain continued over the eastern half of the Manchurian Valley, while the west turned dry. In July, heavy rain covered the Manchurian Valley with parts of Liaoning, eastern Jilin, and central Heilongjiang receiving 200 to 400mm of rain. The heavy rain in these areas likely caused local flooding and some crop damage. In the Yangtze Valley, above-normal July precipitation was followed by fair weather, benefiting intermediate rice in the heading stage. Further south, heavy rain in late double-cropped rice areas of Guangxi and Guangdong maintained July's wet weather pattern. Flooding was likely over much of the area.



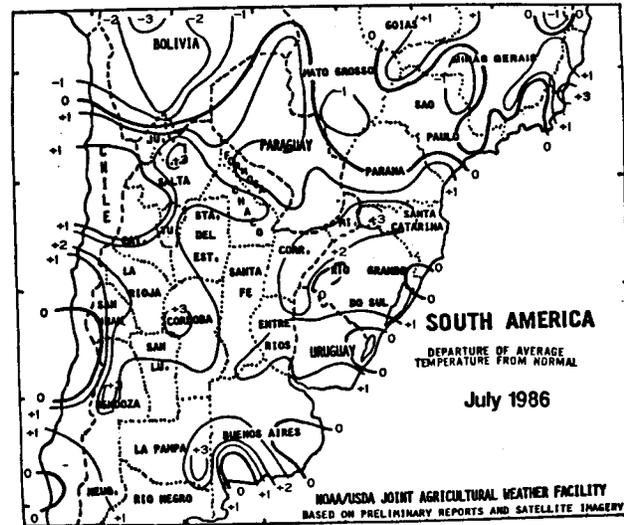
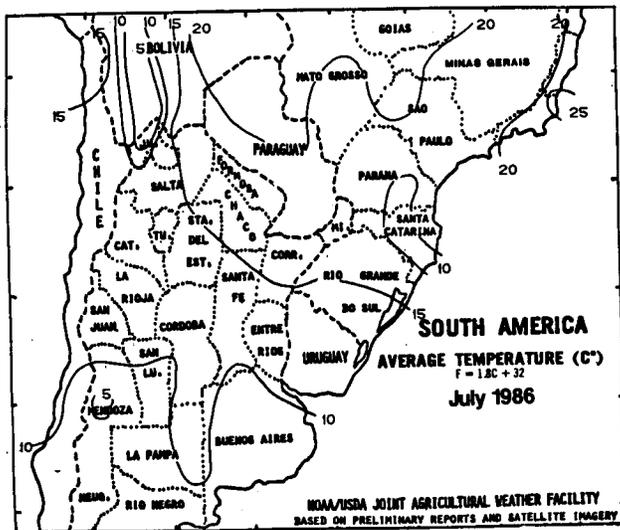
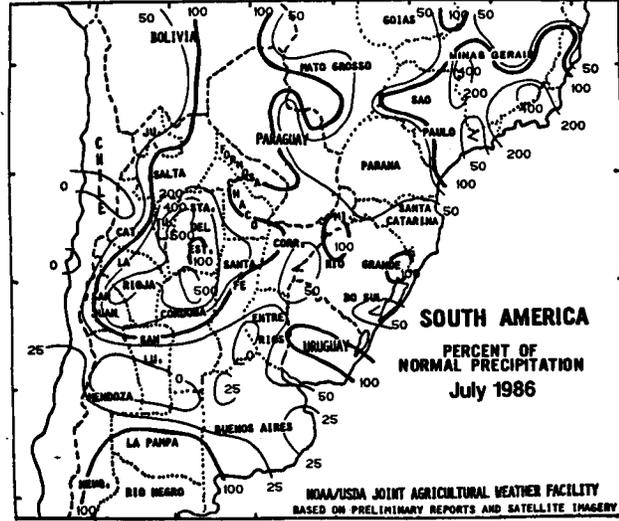
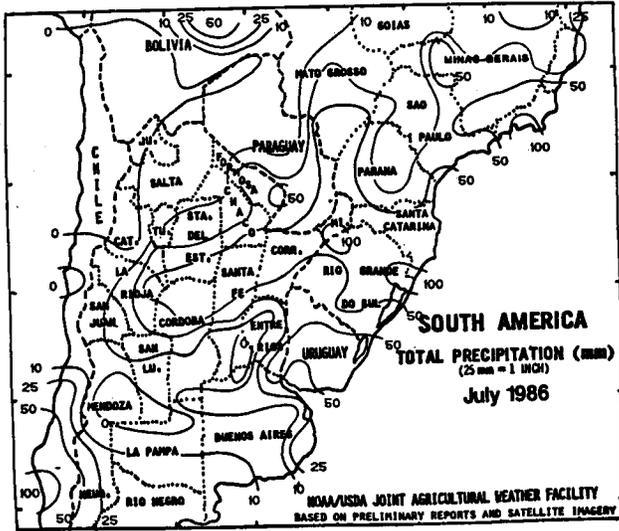
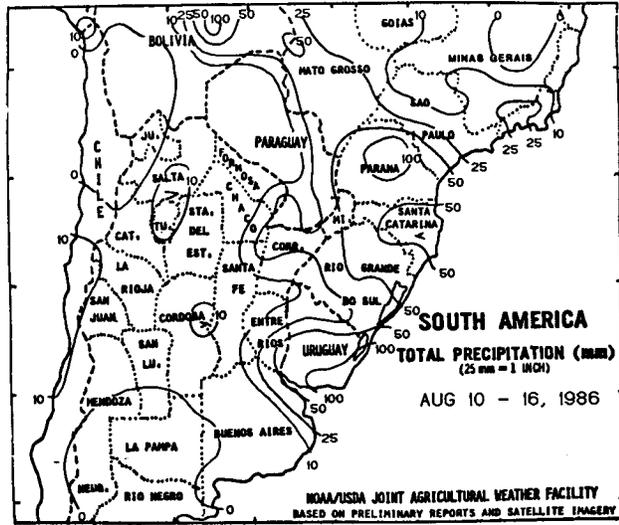
SOUTHEAST ASIA ... In central Thailand, minimal rain (less than 10mm) fell in corn and rain fed rice areas to the north and east. However, moderate to heavy showers (25 to over 100mm) covered corn producing areas to the west. July rainfall was mostly below normal for corn's reproduction and grain filling. Moderate to heavy showers (25 to 150mm) benefited rain fed rice in eastern Thailand, but light rain (less than 25mm) fell in northern Thailand. Light to moderate rain (8 to 25mm) fell in northern Laos and along Vietnam's coast. Moderate to heavy showers (50 to over 100mm) fell in Vietnam, Kampuchea and northeast and southern Laos. July rainfall was mostly below normal throughout Southeast Asia. In the Philippines, light to moderate rain (27 to 50mm) covered northern Luzon, which received below-normal rainfall throughout July. Scattered tropical showers covered the southern islands.



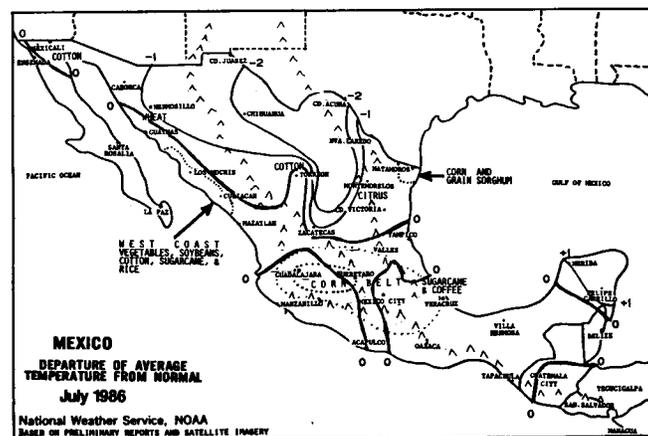
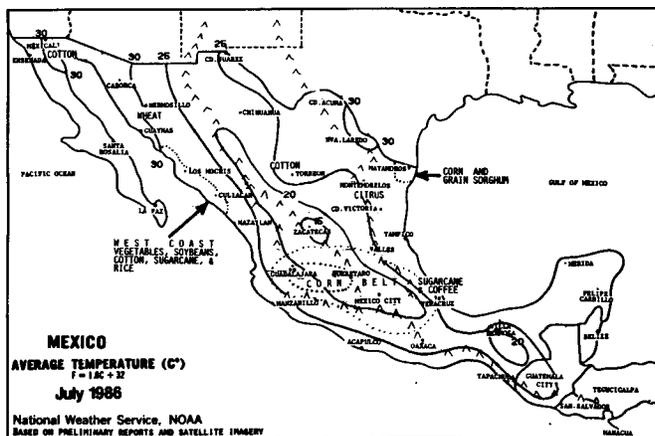
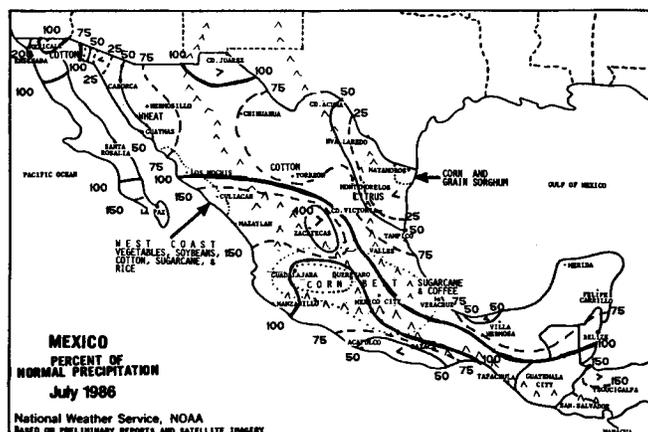
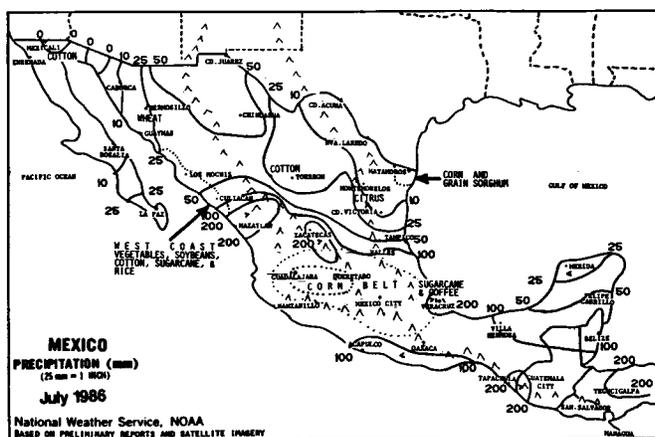
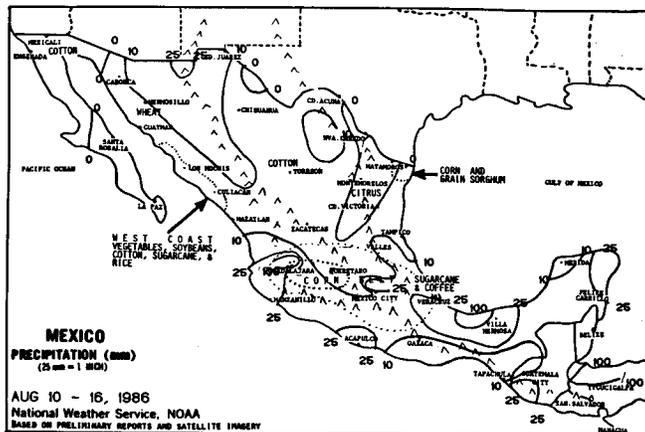
AUSTRALIA ... Moderate to heavy showers (25 to 50mm) covered crop areas in New South Wales and southeast Queensland, aiding vegetative wheat and improving soil moisture reserves. Beneficial rain fell throughout July in the eastern wheat belt, providing sufficient moisture for the completion of planting in New South Wales. However, rainfall was less widespread in Queensland. Rainfall since early July has greatly improved soil conditions in eastern Australia. However, seasonal warming in the upcoming weeks will increase the growth rate and moisture demands of the crop. Moderate to heavy rain (22 to 44mm) returned to South Australia and Victoria after 2 weeks of drier weather. Light rain (less than 10mm) covered wheat areas of Western Australia, with heavier rainfall (10 to 30mm) occurring along the southwest coast. July rainfall was near to above normal throughout western and southern crop areas.



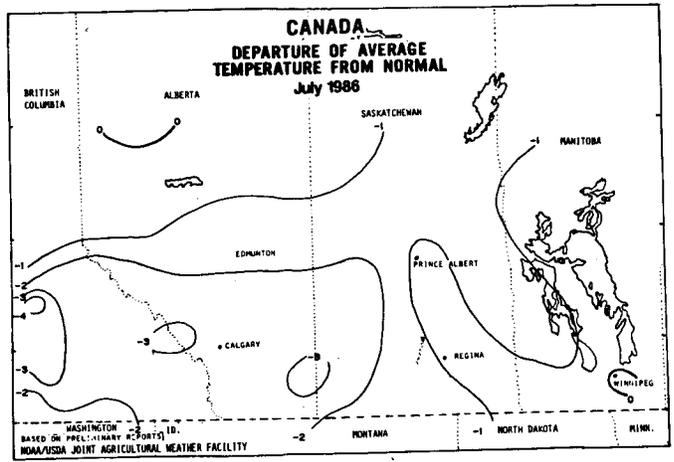
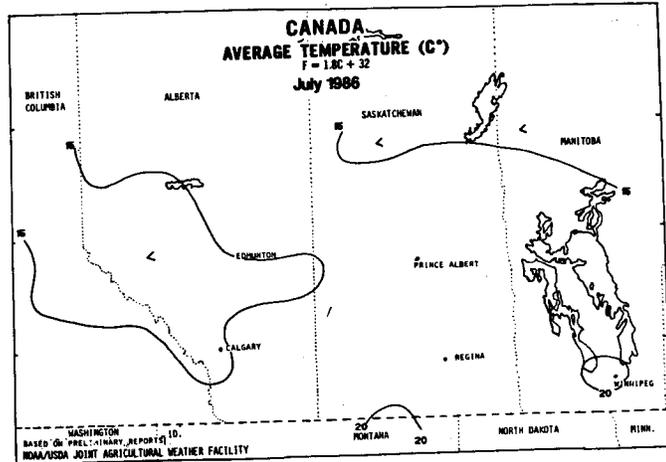
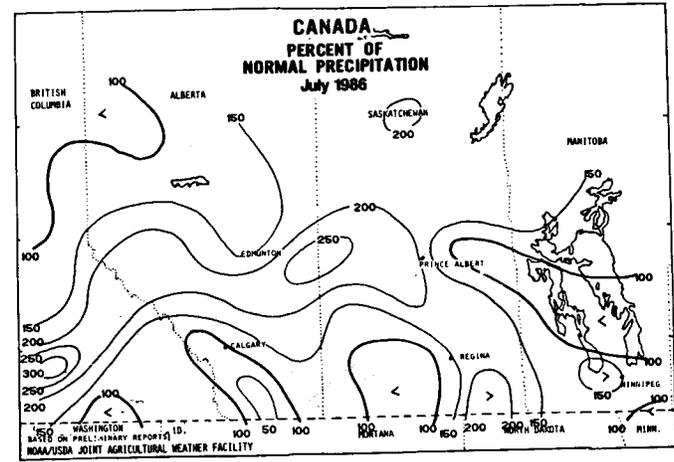
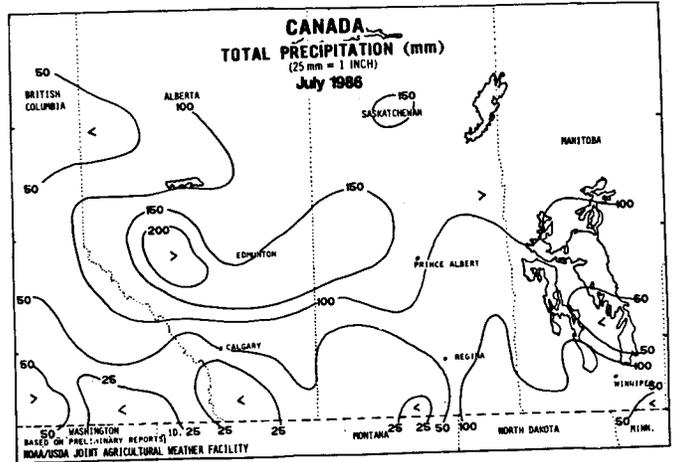
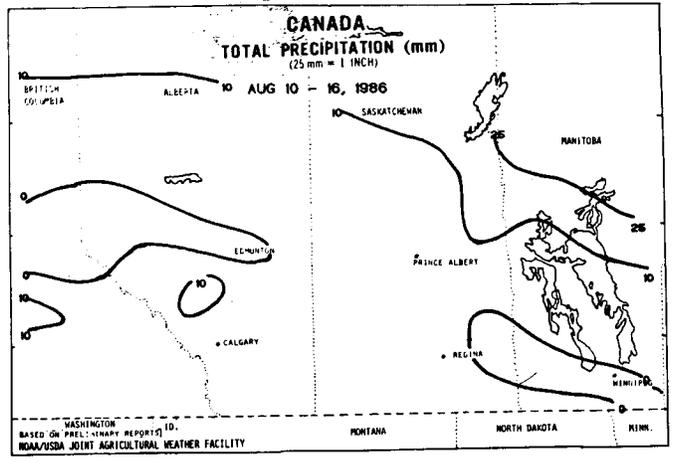
SOUTH AMERICA ... In Brazil, substantial rain (25 to 122mm) fell over Parana, southern Mato Grosso do Sul, and the southern states of Santa Catarina and Rio Grande do Sul. Following much-below-average rainfall in July, Parana's recent rain was extremely beneficial for both tropical crop development and soil moisture recharge for later summer crop planting. Showers diminished over Sao Paulo and Minas Gerais. In Argentina, light rain (5mm or less) fell over most wheat areas where the crop calendar ranges from late planting to early vegetative growth. More substantial showers (10 to 32mm) fell in northeastern crop areas of Buenos Aires, extreme southeastern Santa Fe and isolated areas of central Cordoba. July rainfall was below average over most of Argentina's wheat areas, while monthly temperatures were above average throughout the entire region. Unseasonably mild weather continued over Brazil recently.



MEXICO ... In the northeast, dry weather favored grain harvesting. Light showers caused minimal delays in the cotton harvest over north-central areas, while beneficial showers (10 to 15mm) fell in the western mountain watersheds. Minimal rain fell along the west coast farming region. In the Southern Plateau corn belt, locally substantial rain (greater than 25mm) fell in the far west, near Mexico City, and the southeast. Rainfall was generally below average over the remainder of the major corn growing region. July rainfall tended below average across northern Mexico and along the eastern portion of the country. Near-to above-average rainfall favored crop development along the west coast farming area and northern and central portions of the corn belt. Generally below-average July rain also covered southwestern corn growing areas, west of Mexico City.



CANADA ... Mostly dry, mild weather favored maturing crops across the Prairie grain belt. Rainfall averaged less than 5mm in nearly all areas. Timely July rainfall provided sufficient moisture for grain filling and oilseed podding. Above-average monthly rainfall soaked central Alberta and northwestern Saskatchewan. Marginally adequate July rains helped crop development in the southwest. Cool weather accompanied July's wetness with monthly temperatures averaging 1 to 3 degrees C below normal from east to west, respectively. Crop development lagged behind schedule due to the cool, wet July. The recent warm, dry weather was beneficial for promoting late development and hastening crop maturity.



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(Continued from p. 14)

Arizona. Peach, table grape, apple, Valencia orange, and nectarine harvests were active in California. Raisin grape laying started in Fresno County. In Texas pecan scab plagued groves. Many areas could use moisture to lessen nut droppage.

VEGETABLES: Fall vegetable land preparation was active in Texas and in Florida. Florida growers planted eggplant, cucumbers, peppers, squash, and watermelons. Tomatoes transplanting continued in the Palmetto-Ruskia area and began in the southwest. Land was prepared for planting lettuce, cauliflower, and broccoli in western Arizona. Lettuce emerged in the Willcox district. Vegetable harvest was limited mostly to broccoli, carrots, cauliflower, celery, and lettuce in California. Fall planting continued in Westside.

PASTURES AND LIVESTOCK: Pastures improved in the Delta and Southeast but provide very little forage. Farmers continued supplemental feeding. Livestock was mostly good. Cooler temperatures eased stress.

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