

# WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE  
Statistical Reporting Service and World Agricultural Outlook Board

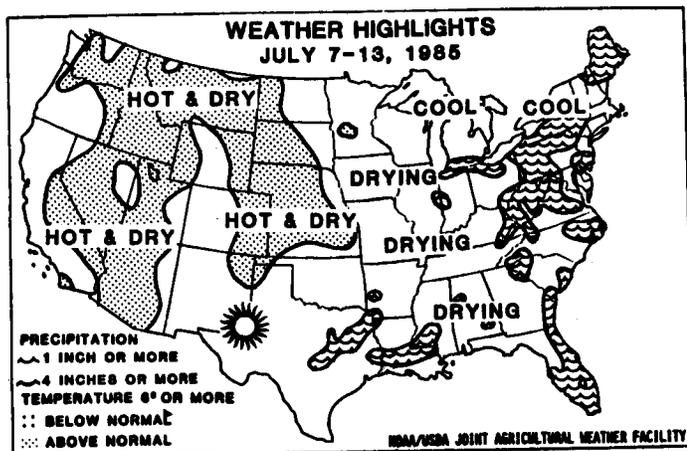
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July 16, 1985

## National Weather Summary

July 7 - 13, 1985



**HIGHLIGHTS:** Light showers fell in the Rockies, the Plateau, and the Southwest. Thunderstorms produced some severe weather in the central Rockies. Temperatures cooled slightly in the West, but it was still hot. Afternoon high temperatures passed the century mark in the Plains from Texas to North Dakota and Montana. Thunderstorms produced light showers through parts of the central Plains, but heavier amounts fell through the eastern third of the Nation. Moderate rain fell from West Virginia to southeastern New York and along the southeastern coast.

**SUNDAY...**Scattered showers and thunderstorms rumbled from the High Plains through the Rockies, the Plateau, and into the Sierras. Thunderstorms dumped light to moderate rain along the gulf coast and southeastern Atlantic coast. Light to moderate showers and occasional thunderstorms covered an area from West Virginia to the Great Lakes and through New England. Hot weather prevailed west of the Mississippi River.

**MONDAY...**Cooler air pushed into the upper Mississippi Valley, but unusually hot weather continued to the West and began to spread across the South. Showers and thunderstorms continued in the mountain areas of the West, but only a few thunderstorms dotted the gulf coast except for southern Florida where moderate thundershowers fell. Light to moderate showers and thunderstorms spread through the area from West Virginia to southwestern New York and to southern New Jersey. More rain fell in upper New England.

**TUESDAY...**Showers and thunderstorms continued in the northern and central Rockies, the Plateau, and

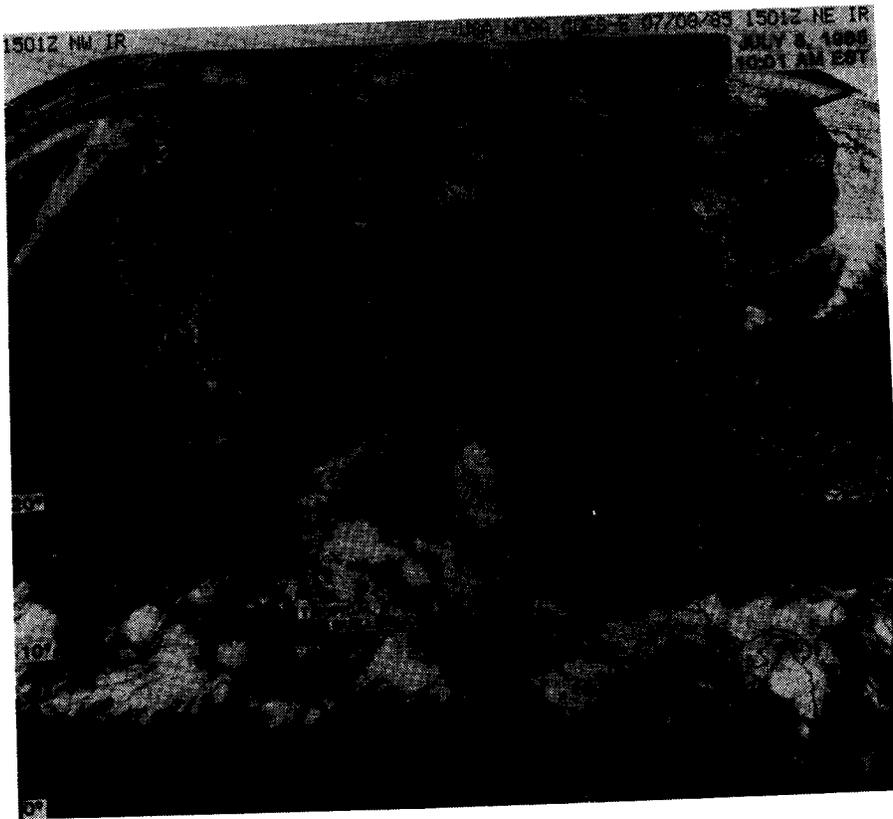
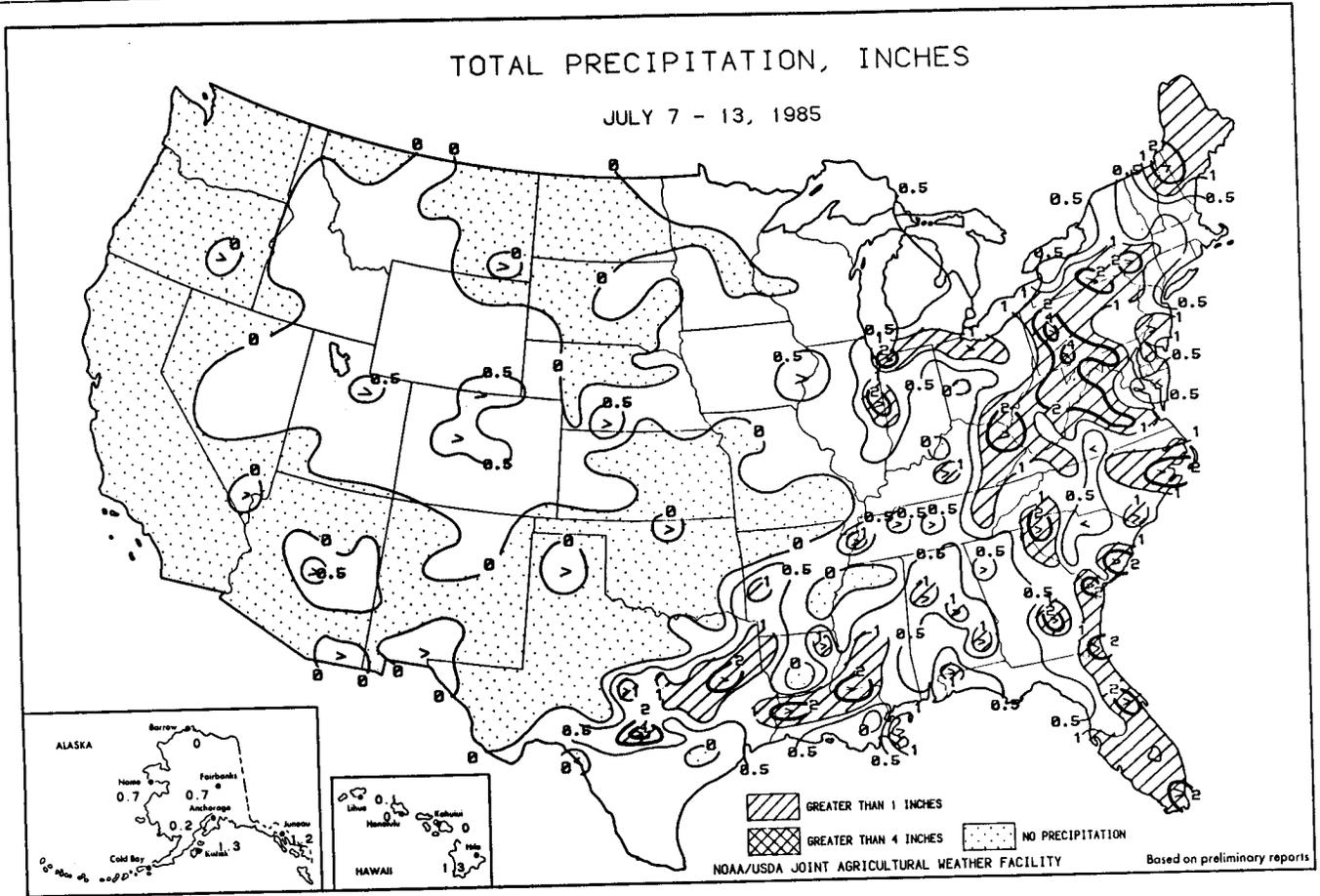
the Southwest, and pushed into parts of the central Plains. Elsewhere, showers and occasional thunderstorms covered the area from the upper and middle Mississippi Valley through New England. Record-hot temperatures were reached in the Southwest, the Plateau, and in parts of the central and northern Plains.

**WEDNESDAY...**Scattered showers and thunderstorms continued in the West, but temperatures were not quite as hot as earlier in the week. High temperatures exceeded 100 degrees in parts of the central and southern Plains. Showers and thunderstorms were everywhere east of the Mississippi Valley. Moderate rain was scattered from eastern Kentucky through North Carolina and northward through New England.

**THURSDAY...**Cooler weather prevailed over the West, although there were some hot spots in the Southwest. Showers continued over much of the area. Further east showers were generally light from eastern Nebraska into Illinois. Light but occasional moderate showers reached from eastern Texas to Florida and north to Maryland.

**FRIDAY...**Thunderstorms were concentrated over the central Rockies and produced hail, high wind, and isolated heavy showers. Showers and thunderstorms covered most of Iowa, Illinois, and all of the East Coast States. Severe weather was reported throughout the East, but rainfall was generally light to moderate. High temperatures reached the century mark from Texas to South Dakota and in the Southwest. (Continued on p. 12)

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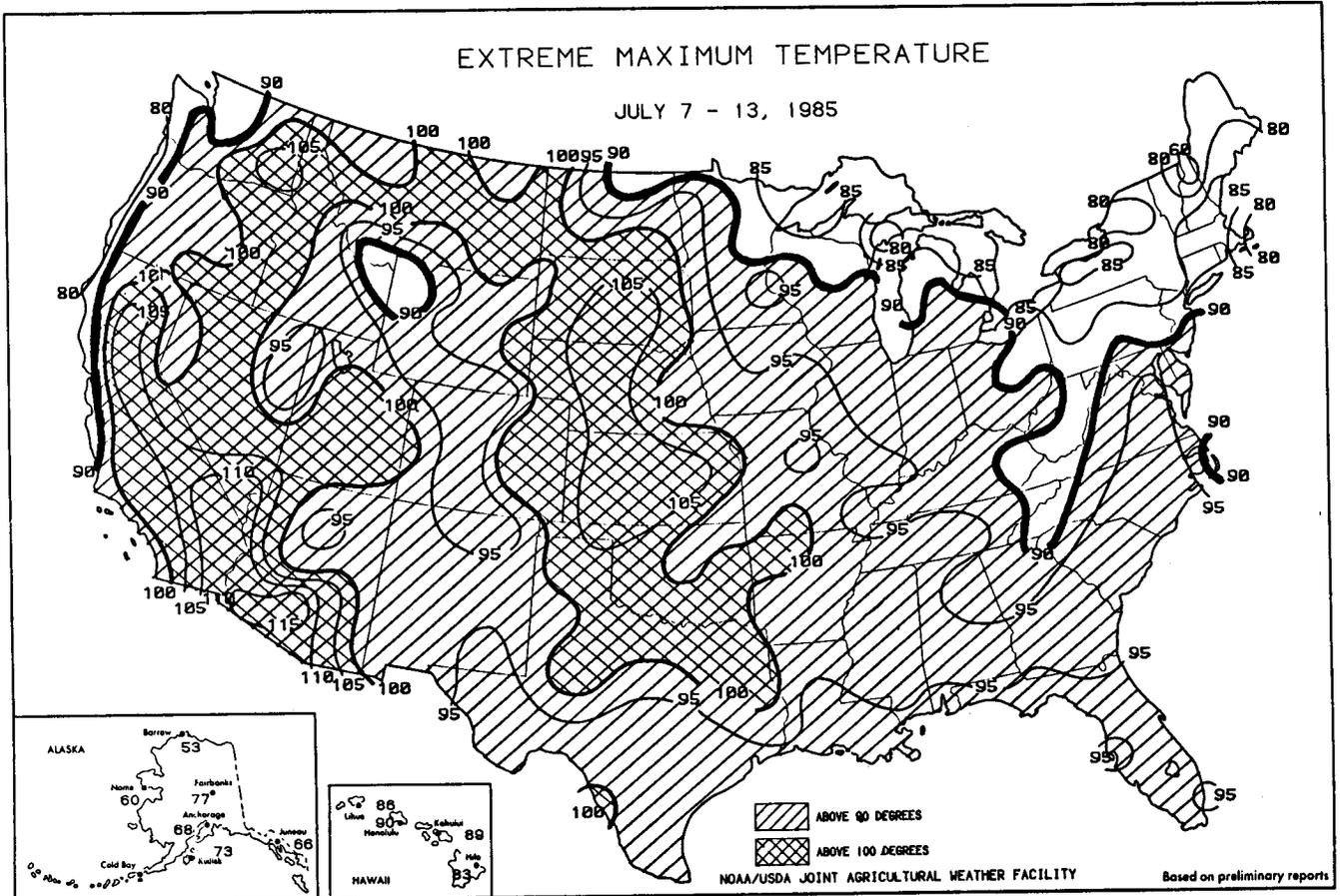
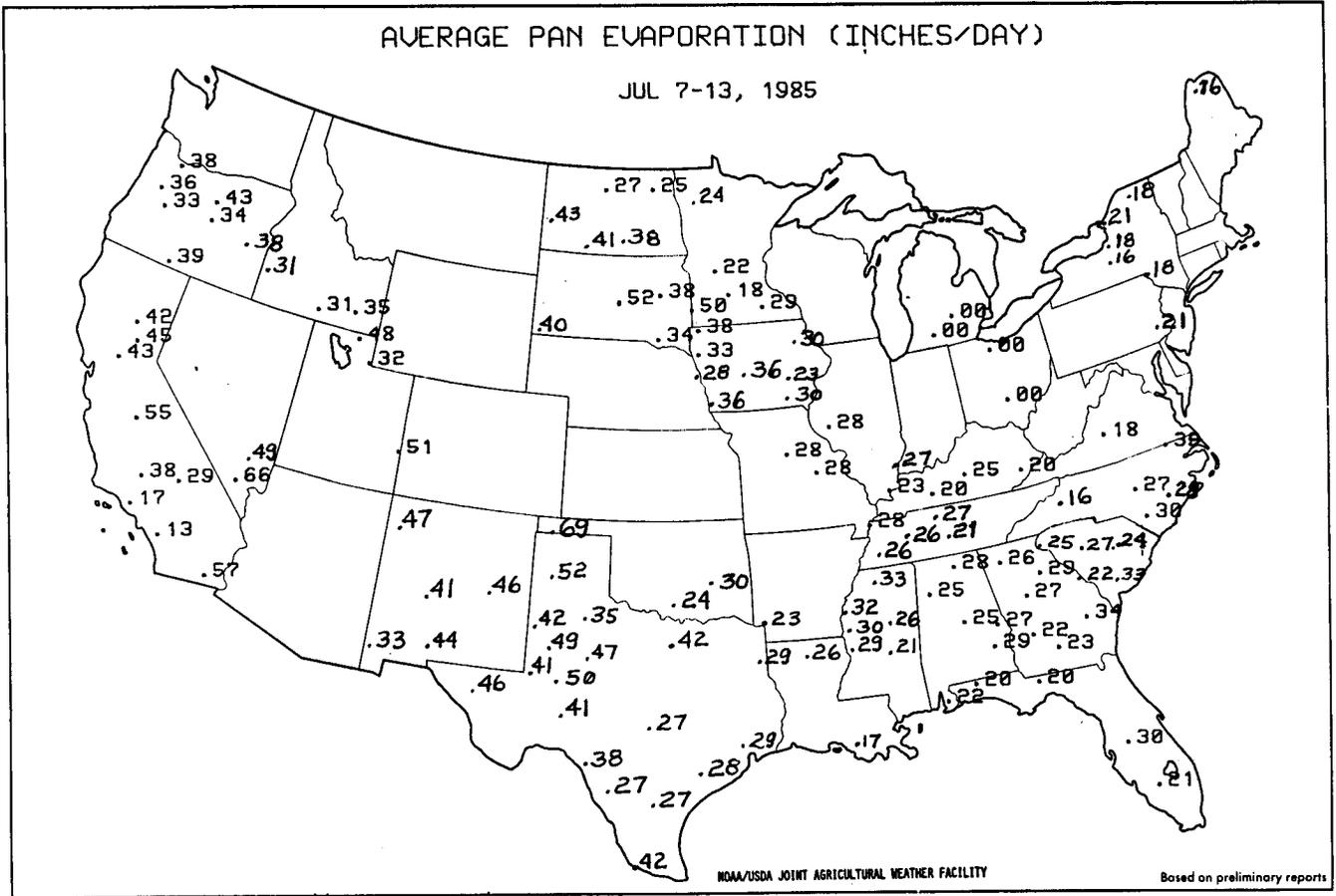


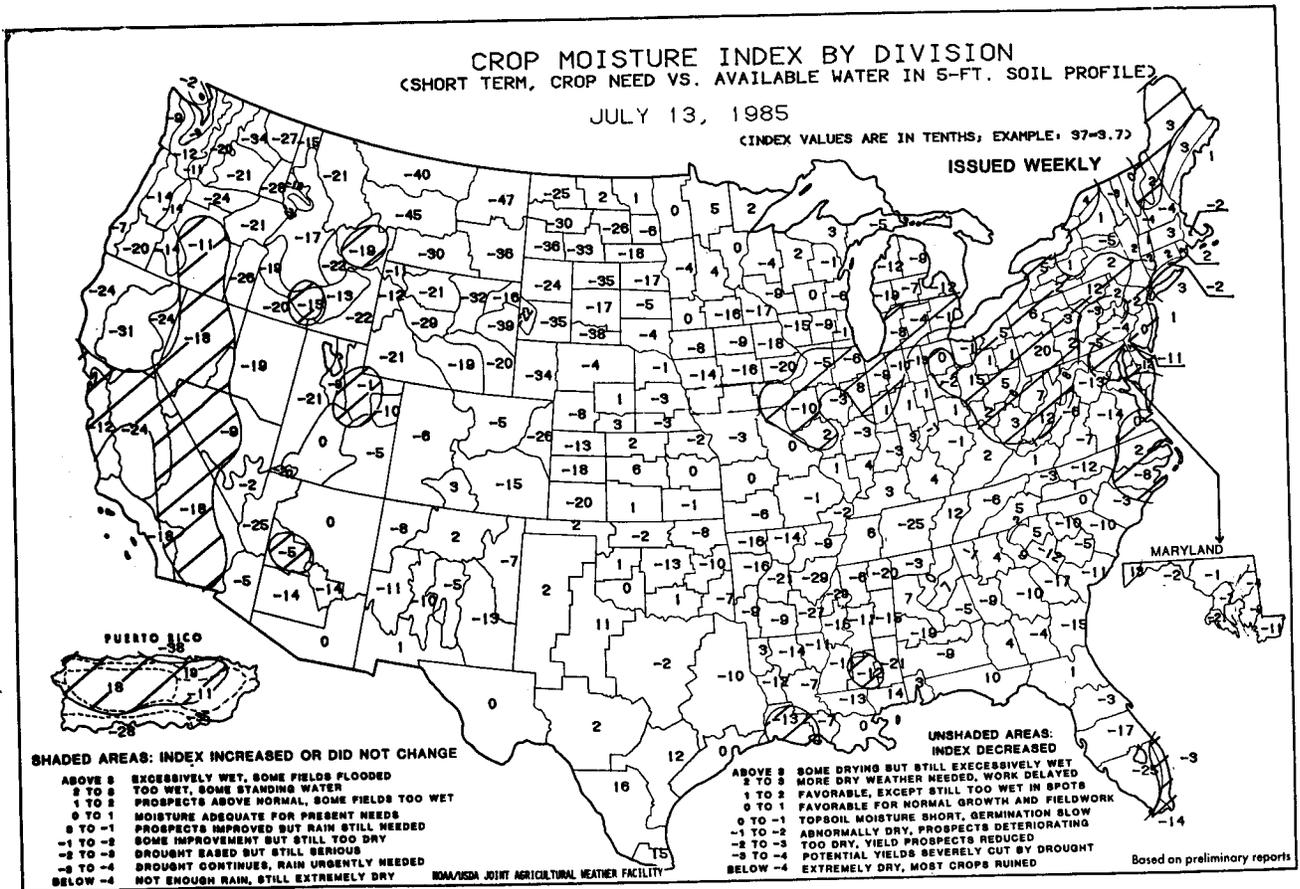
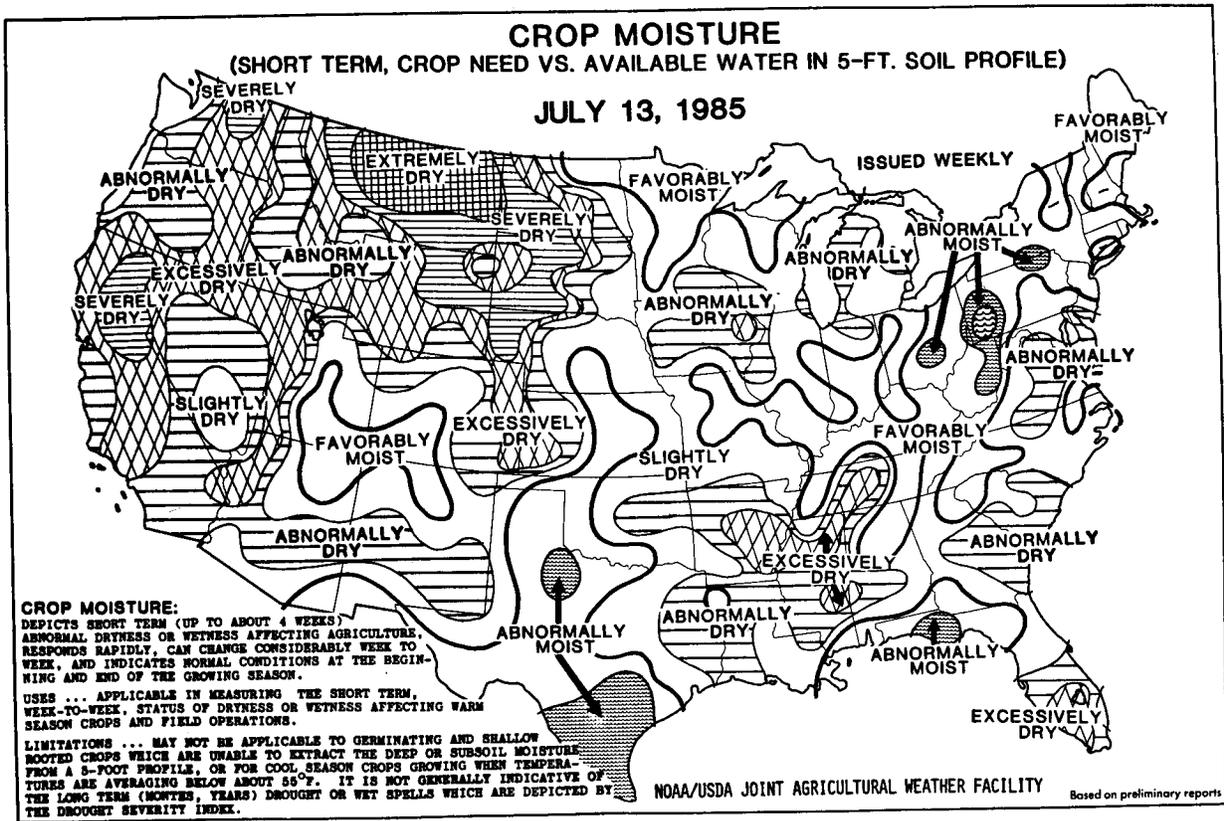
THE POLAR FRONT HAS BROUGHT COOLER AIR INTO THE NORTHERN PLAINS AND THE NORTHEAST. A FEW SHOWERS AND THUNDERSTORMS WERE REPORTED AT THE TIME OF THIS PICTURE IN IOWA AND NEBRASKA, AND IN EASTERN PENNSYLVANIA.

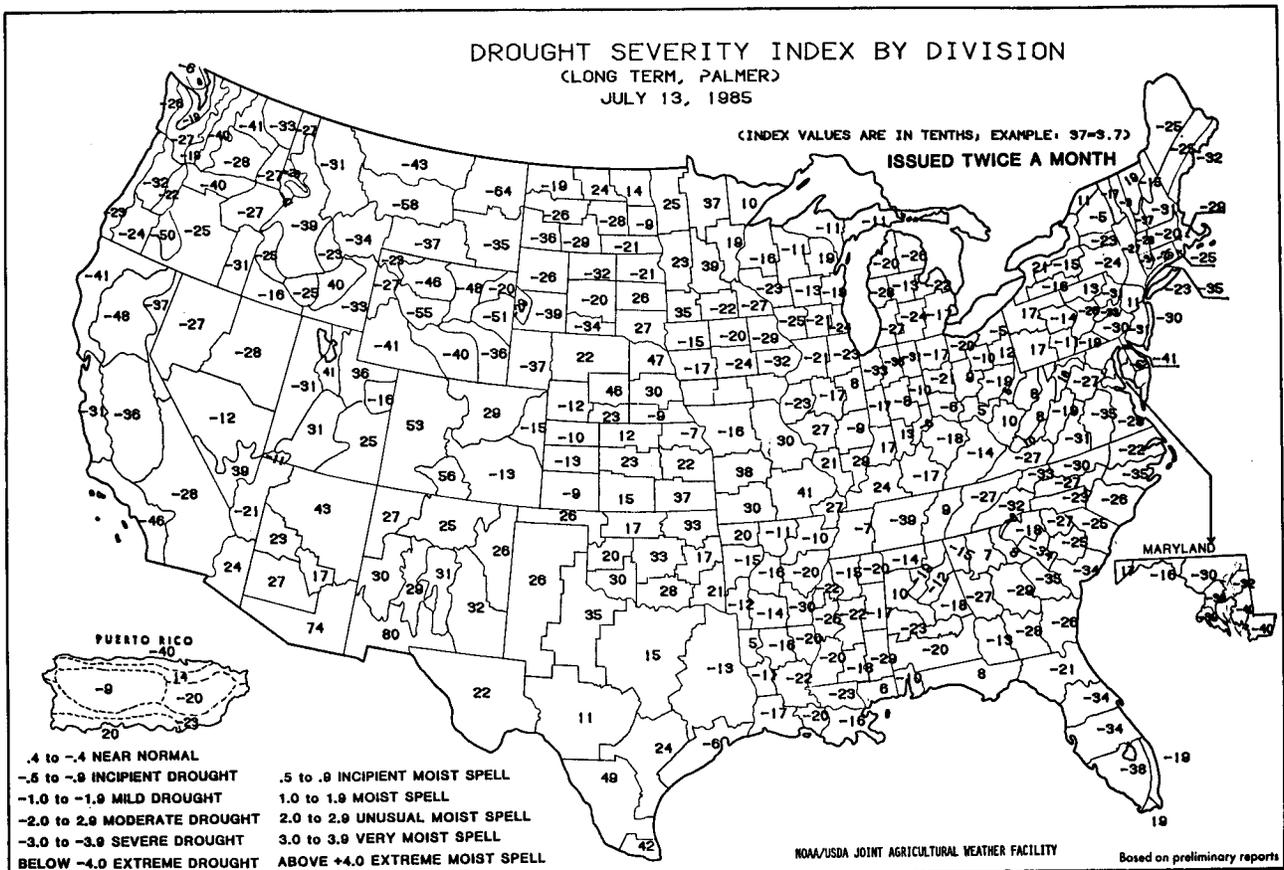
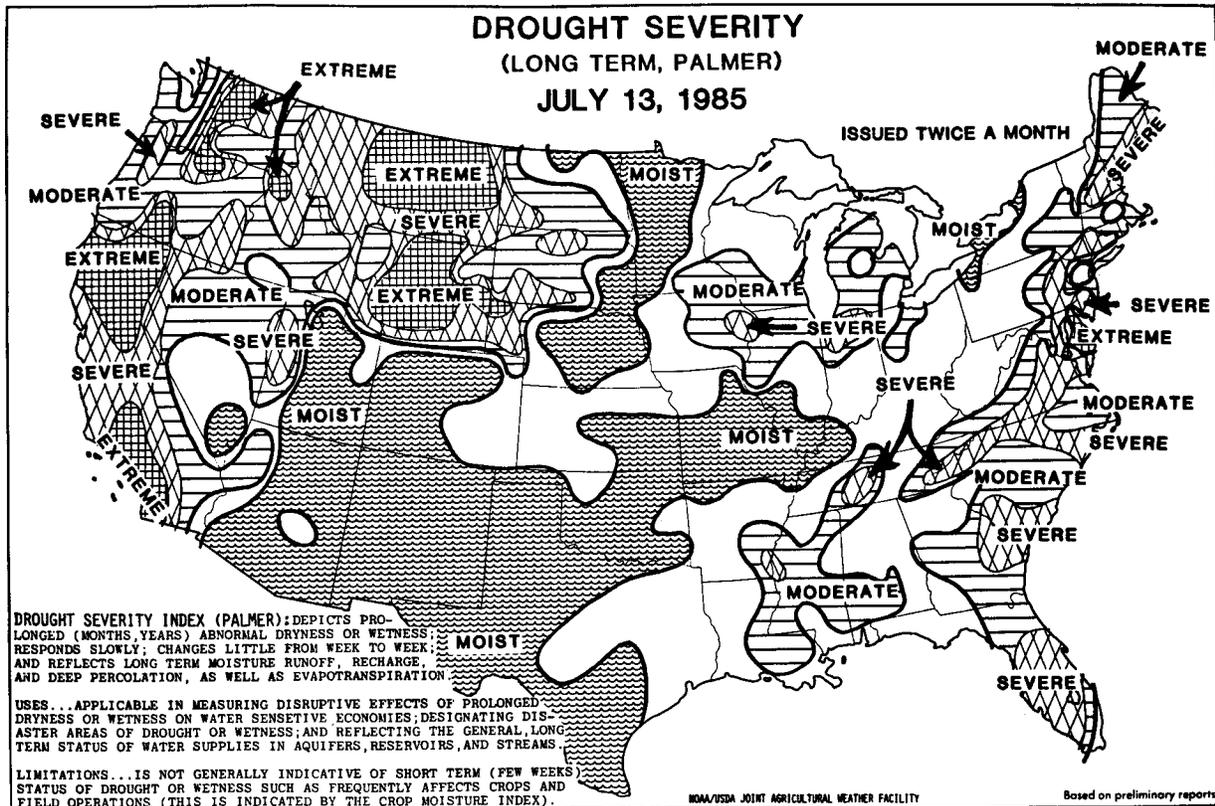
PACIFIC MOISTURE IS FLOWING INTO THE SOUTHWEST, INDICATING THE POSSIBILITY OF SHOWERS FALLING IN THAT HOT, FIRE-STRICKEN AREA.

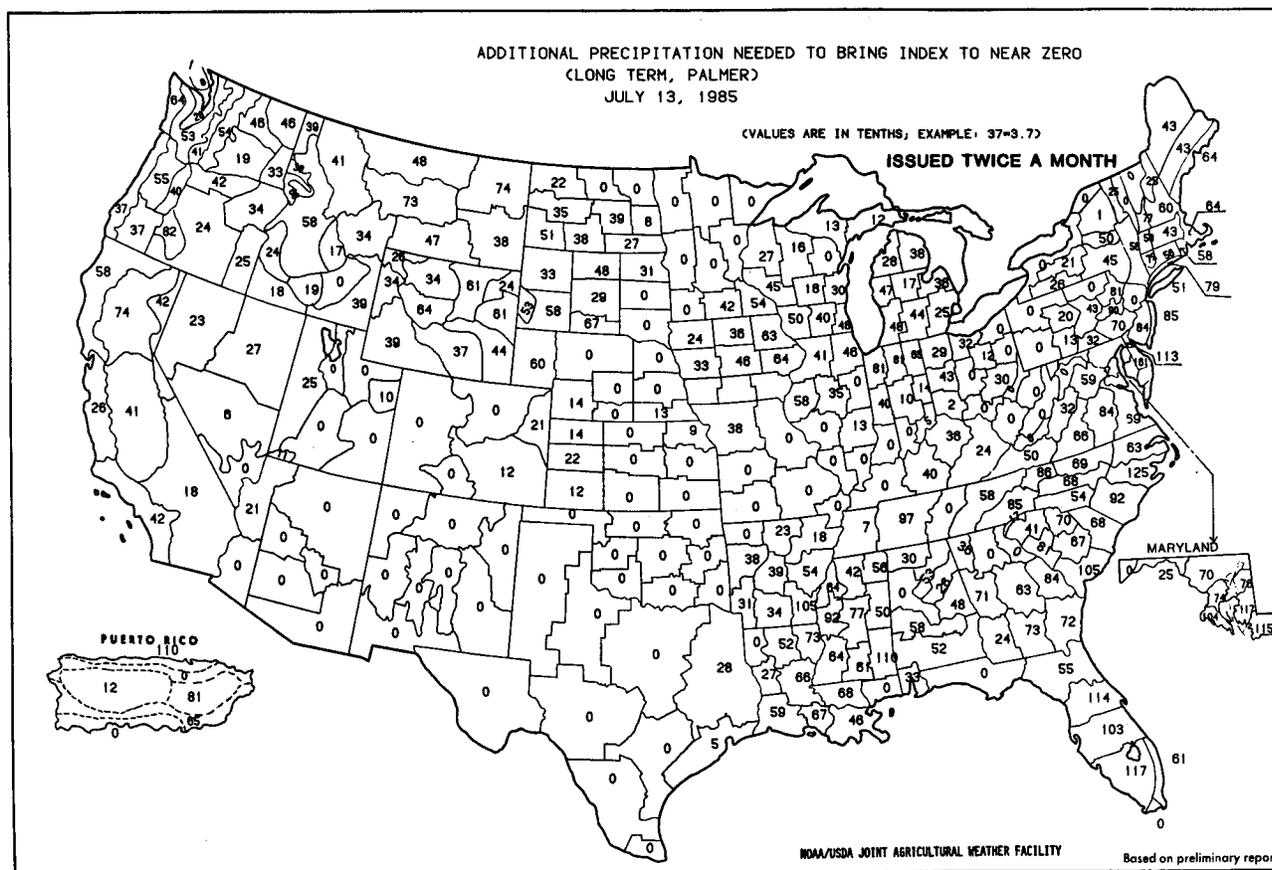
THE INTERTROPICAL CONVERGENCE ZONE IS ACTIVE ALONG 10° LATITUDE. TROPICAL STORM GUILLERMO IS SHOWN AS A VERY ACTIVE STORM, JUST SOUTH OF THE MEXICAN COAST. MOISTURE FROM THIS STORM AREA IS PUSHING THROUGH MEXICO TO SOUTHERN TEXAS.

- ✱ SNOW
- RAIN
- ◊ RAINSHOWERS
- ⚡ THUNDERSTORMS
- ⋯ PRECIPITATION AREAS









**JUNE STREAMFLOW: STREAMS CONTINUE DRY IN EAST,  
FLOWS DECREASE IN PARTS OF MIDWEST AND WEST**

The U.S. Geological Survey's (USGS) monthly check of the Nation's surface and ground waters, revealed that near- or above-average contents in most reservoirs. The reservoirs that continued to report below-average contents are clustered in the northeast and the Tennessee Valley, where below-normal streamflows also persisted.

June streamflows remained below the normal range in most of the northeastern, southeastern, and Gulf Coast States, as well as parts of Nebraska, Missouri, Montana, South Dakota, and southern California according to the U.S. Geological Survey.

USGS hydrologists said streamflows during June decreased into the below-normal range in parts of Wisconsin, Minnesota, Iowa, Hawaii, and additional areas of southern California. The streamflow decrease adds to the dryness in much of the country.

Of 174 key index stream-gaging stations monitored, 28 reported streamflows in the above normal range, 87 reported flows in the normal range, and 59 had flows well-below normal for that time of year.

Three major U.S. rivers (the Mississippi, St. Lawrence, and Columbia) which drain more than half of the conterminous United States reflect the general water conditions across the country. Their combined flow was 806.2 billion gallons per day (bgd). This was about 5 percent below the long-term average for June.

Record-low flows were measured in parts of North Carolina, Georgia, and Louisiana. Flow of the Susquehanna River at Conklin, NY, remained in the below-normal range for the third straight month. Storage levels in the major New York City reservoirs remained extremely low. On July 10, storage contents stood at 57 percent of full usable capacity. Normal reservoir storage for this time of year is 96 percent.

Near-record-high flows were reported on streams in Missouri and New Mexico. Runoff from heavy rains in early June caused severe flooding in parts of south-central Oklahoma and southern Missouri. Flow of the Gasconade River

at Jerome, MO, for example, averaged 9.3 bgd., the second highest June flow in 65 years of records.

**\*BIG FIVE RIVERS**--Individual average June flows of five of the largest rivers: Mississippi River at Vicksburg, 368 bgd, 4 percent above the long-term June average, but down 22 percent from the May flow; Columbia River at The Dallas, 241 bgd, 22 percent below the long-term monthly average and 10 percent below May's flow; St. Lawrence River near Massena, NY, 198 bgd, 9 percent above the long-term June average and a 3 percent increase from May's flow; Missouri River near Hermann, MO, 100 bgd, 79 percent above the long-term monthly average and a 40 percent increase from May's flow; and the Ohio River at Louisville, KY, 47 bgd, 16 percent above the long-term June average, but a 16 percent decrease from May.

**\*CONNECTICUT**--June streamflow continued well-below average in the northern half of the State. Flow of the Mount Hope River near Warrenville, for example, averaged 10 million gallons per day (mgd), which is 31 percent below the long-term average for June. In contrast, streamflows in the southern half of the State were in the normal range for June. Flow of the Pomperaug River at Southbury, for example, averaged 33 mgd, 7 percent below the long-term average, which is considered in the normal range for June. Usable contents of Hartford, Bridgeport, Waterbury, and Stamford reservoir systems were 17 percent below average for the end of June. Ground-water levels declined seasonally in most key observation wells during June and were consistently below average across the State. All water levels were below those at the same time last year. Three key wells located in west-central Connecticut had record-low levels for June.

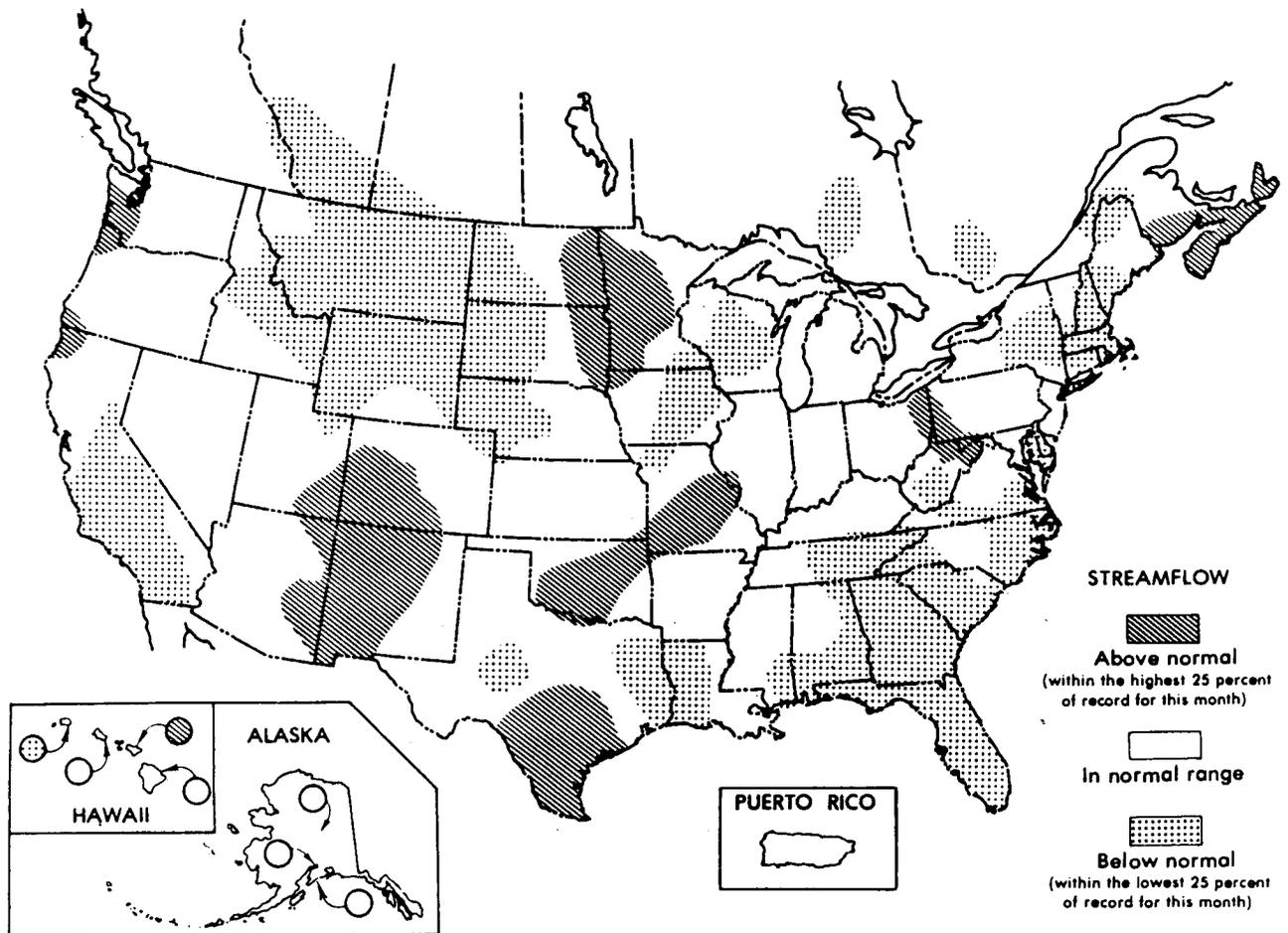
**\*NEW YORK**--Streamflows in New York varied during June. Of six key index stream-gaging stations reporting, 4 reported well-below-normal flows, one station reported a normal June flow and one station was well above the long-term average for the month. Flows of the Hudson River at Hadley and the Mohawk River at Cohoes were well-below average for the third straight month. Flow of the Mohawk River averaged 820 mgd, 52 percent below the long-term average and the second lowest June flow of record. Contents of the major Delaware River basin reservoirs, which supply about half of the New York City municipal water supply, declined during June, dropping from 167 billion gallons (61.7 percent of capacity) on June

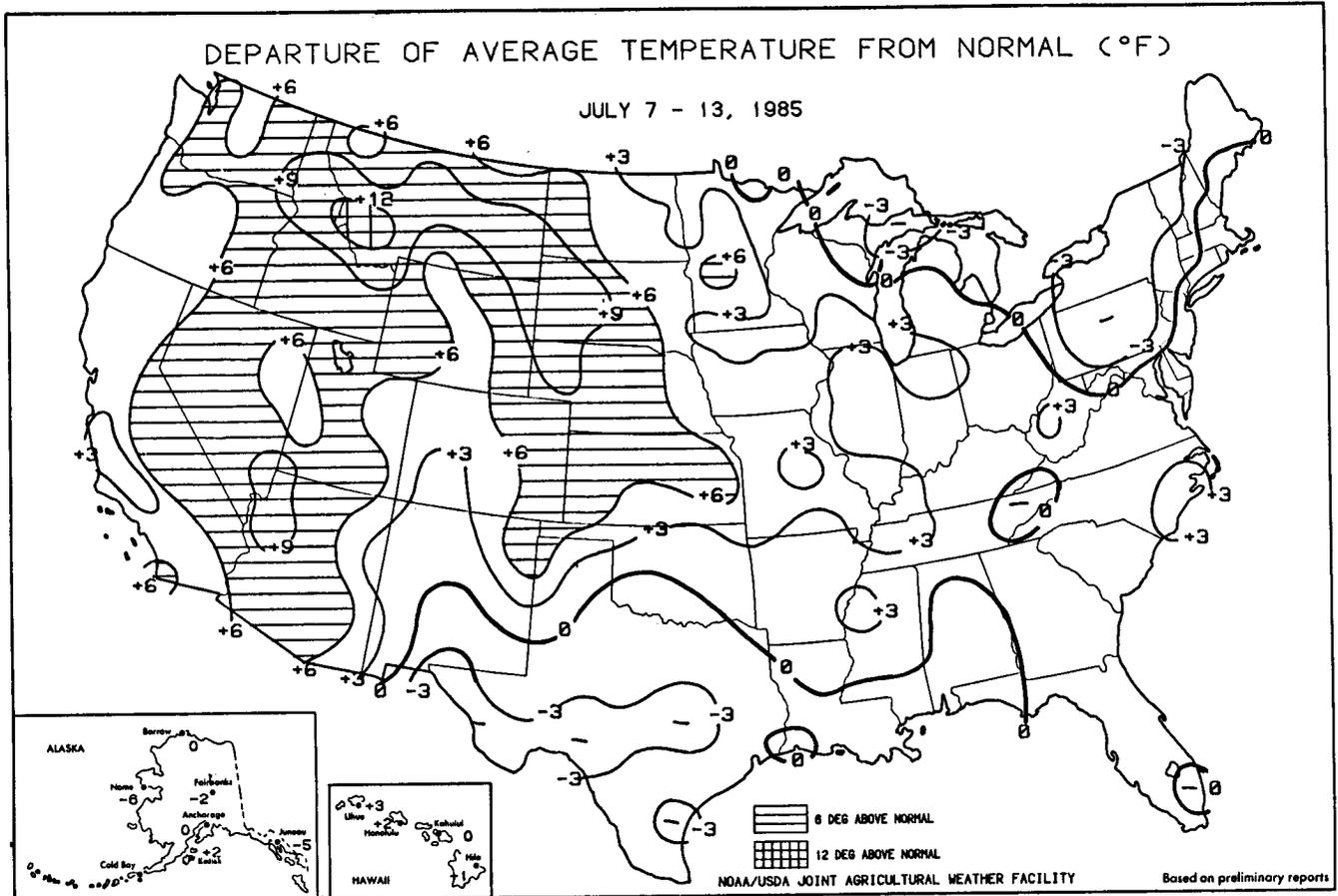
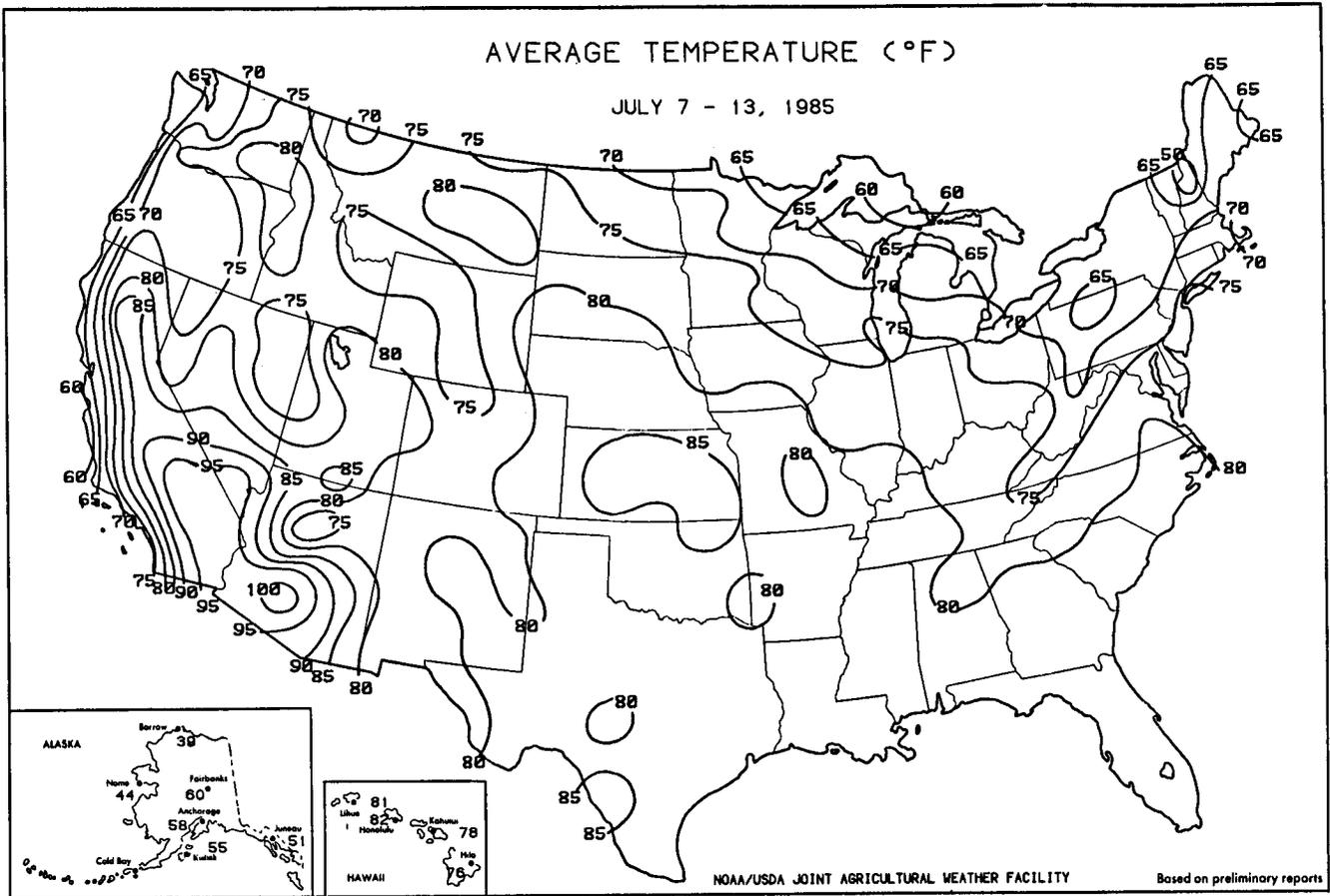
10 to 159 billion gallons (57 percent of capacity) on July 10.

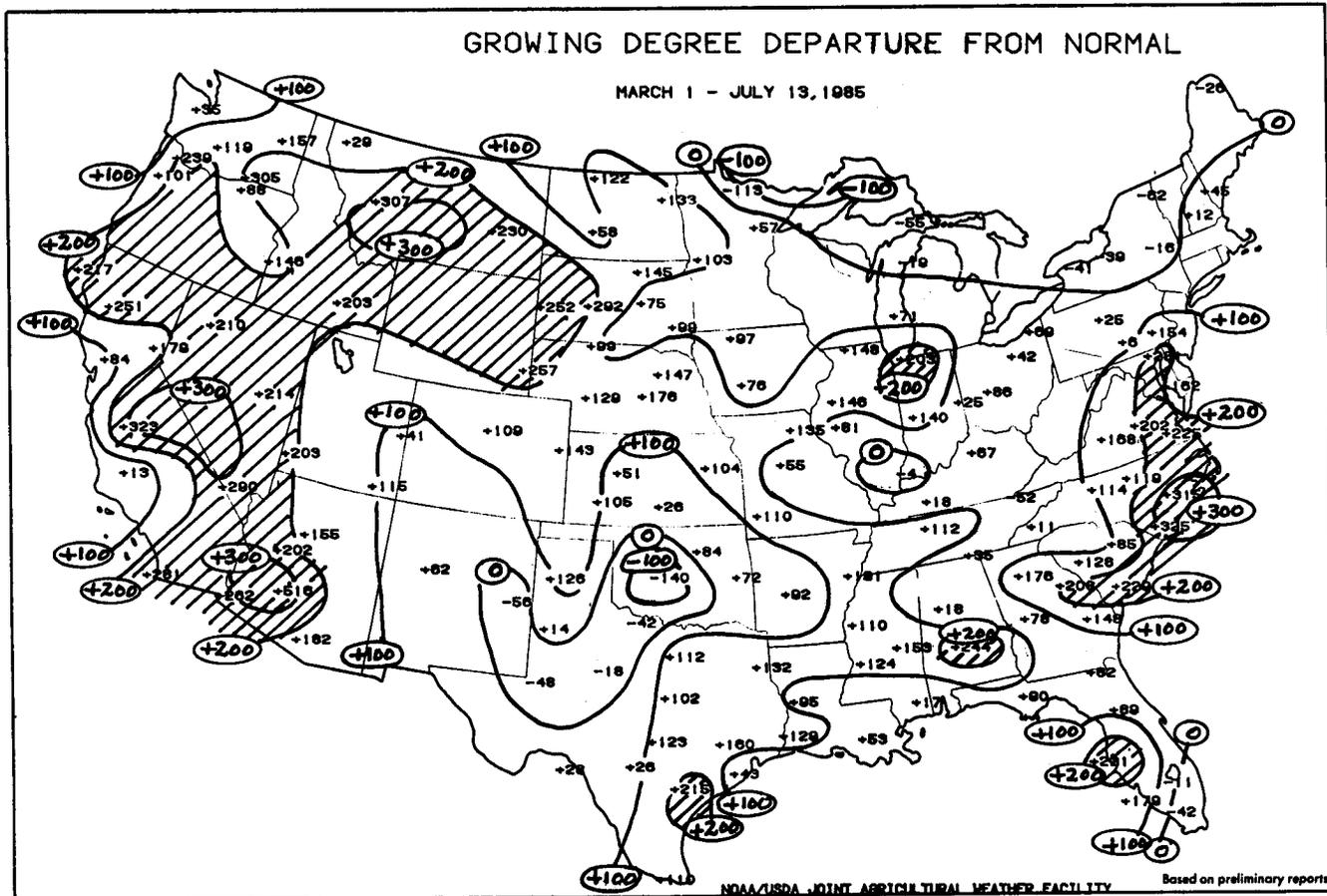
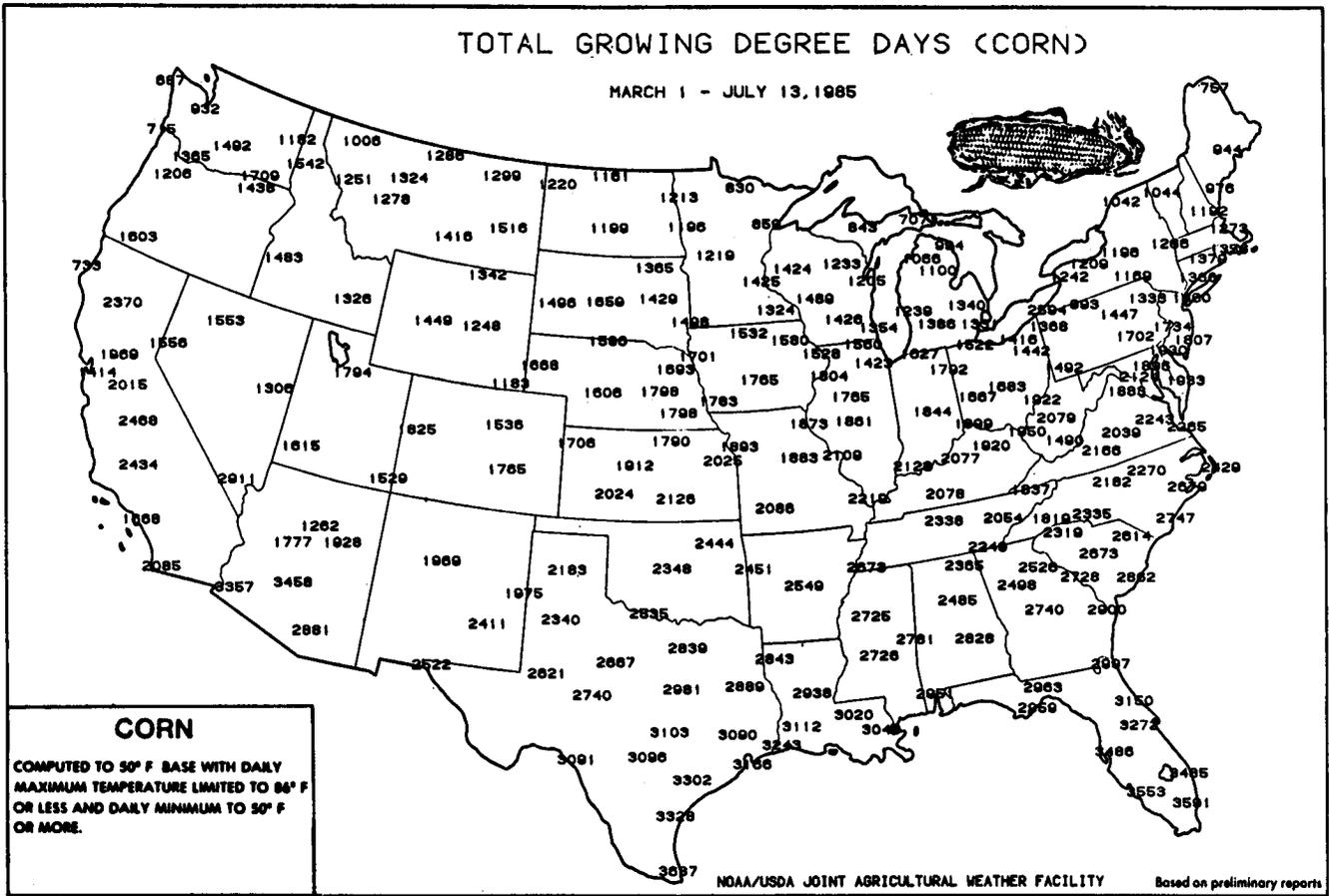
\*SOUTHEAST AND GULF COAST STATES--Streamflows were generally well-below average throughout the Southeast and Gulf Coast areas. Record-low flows were set in parts of North Carolina, Georgia, and Louisiana. The average June flow of Contentnea Creek at Hookerton, NC, was 34 mgd, 85 percent below the long-term average and the lowest flow for the month in 57 years of record. Flows of both the Flint River near Culloden, GA, and the Altamaha River at Doctowtown, Ga, were at record-low levels for June. Flow of Saline Bayou near Lucky, LA, averaged 7.5 mgd, 72 percent below the long-term average and the lowest June flow in 45 years of record. Persistent below-normal precipitation in Florida continued to stress the State's ground-water resources, which are the major source of municipal supply throughout Florida. State-imposed water-use restrictions

(Continued in next Bulletin)

### STREAMFLOW DURING JUNE







Weather Data for the Week Ending July 13, 1985

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	
AL BIRMINGHAM	91	67	93	63	79	-1	.8	-.4	.8	8.6	148	26.6	83	100	50	5	0	2	1	
MOBILE	90	71	94	69	81	-1	.4	-1.4	.3	7.8	95	31.7	91	85	53	5	0	0	0	
MONTGOMERY	93	69	97	68	81	0	.2	-.9	.2	3.4	62	23.7	83	96	46	5	0	1	0	
AK ANCHORAGE	65	52	68	49	58	0	.2	-.2	.2	1.6	86	5.9	107	90	57	0	0	2	0	
BARROW	43	33	44	31	38	-1	T	-.2	T	1.1	161	1.7	106	94	67	0	1	0	0	
FAIRBANKS	69	52	77	47	60	-2	.7	.3	.3	2.7	134	5.0	119	89	49	0	0	3	0	
JUNEAU	58	50	66	49	54	-1	1.3	.4	.5	6.3	140	15.7	75	95	73	0	0	5	1	
KODIAK	61	49	73	42	55	2	1.3	.5	.9	8.9	185	36.7	102	94	68	0	0	4	1	
NOME	48	39	60	38	44	-6	.7	.3	.6	2.6	131	6.4	125	99	85	0	0	4	1	
AZ PHOENIX	111	88	115	86	100	8	T	T	T	T	0	1.8	60	35	14	7	0	0	0	
PRESCOTT	94	67	97	64	81	8	T	-.6	T	T	2	5.2	68	64	24	7	0	1	0	
TUCSON	106	77	109	71	92	6	T	-.5	T	T	.4	3.8	103	46	14	7	0	0	0	
YUMA	111	85	115	82	98	5	T	0	T	T	0	.3	30	47	20	7	0	0	0	
AR FORT SMITH	98	70	100	66	84	2	0	-.7	0	2.8	55	24.8	111	90	33	7	0	0	0	
LITTLE ROCK	96	71	99	68	84	2	.2	-.6	.2	4.0	87	23.5	86	83	43	7	0	1	0	
CA BAKERSFIELD	98	72	100	68	85	1	0	0	0	.4	550	2.0	51	49	19	0	0	0	0	
EUREKA	68	54	76	51	61	5	0	0	0	.9	143	11.5	51	96	71	0	0	0	0	
FRESNO	102	73	105	69	88	7	T	0	T	.3	367	3.3	46	50	17	7	0	0	0	
LOS ANGELES	80	65	96	61	72	4	0	0	0	0	0	3.5	42	85	15	7	0	0	0	
RED BLUFF	103	69	108	65	86	4	0	0	0	.1	14	4.9	38	53	15	7	0	0	0	
SACRAMENTO	96	61	105	54	78	3	0	0	0	.2	94	4.4	41	81	26	6	0	0	0	
SAN DIEGO	82	70	95	68	76	7	0	0	0	.2	267	2.4	39	83	56	1	0	0	0	
SAN FRANCISCO	77	56	90	52	67	5	T	0	T	.3	207	6.8	54	86	44	1	0	0	0	
CO DENVER	94	64	98	61	79	6	T	0	T	.3	207	6.8	54	86	44	1	0	0	0	
GRAND JUNCTION	97	68	100	65	82	4	T	-.1	T	.4	75	5.0	125	52	19	7	0	1	0	
PUEBLO	99	62	103	57	81	4	T	-.4	T	.2	8	4.8	87	62	16	7	0	2	0	
CT BRIDGEPORT	83	66	85	62	74	1	.1	-.7	.1	5.8	138	16.5	77	87	48	0	0	1	0	
HARTFORD	85	59	88	54	72	-1	.8	.2	.6	4.7	101	13.6	59	88	38	0	0	2	1	
DC WASHINGTON	89	69	95	67	79	0	1.0	.1	.9	3.2	65	16.1	80	87	43	4	0	3	1	
FL APALACHICOLA	90	72	92	69	81	0	.5	-1.1	.5	9.0	117	22.6	90	90	61	4	0	1	1	
DAYTONA BEACH	90	72	94	67	81	0	.5	-.7	.3	8.0	90	17.3	76	92	56	4	0	3	0	
JACKSONVILLE	92	72	95	69	82	1	2.9	1.4	2.4	7.8	97	16.4	120	86	62	5	0	3	1	
KEY WEST	89	79	92	73	84	0	1.2	.4	1.0	2.0	30	19.7	76	89	57	4	0	5	1	
MIAMI	89	74	95	71	82	-1	1.5	.1	.7	8.7	72	16.9	61	95	45	7	0	3	2	
ORLANDO	93	73	94	69	83	1	2.4	.5	1.6	7.4	69	18.9	76	100	55	7	0	2	0	
TALLAHASSEE	92	71	94	69	81	0	.3	-1.7	.3	11.5	113	24.2	70	100	55	7	0	2	1	
TAMPA	93	76	95	71	84	2	1.3	-.3	1.3	8.0	97	15.1	68	87	52	7	0	4	2	
WEST PALM BEACH	90	74	92	72	82	0	1.7	.2	.7	7.0	65	19.8	71	94	57	6	0	4	2	
GA ATLANTA	91	70	94	65	81	2	T	-1.1	T	4.3	80	22.7	78	86	44	5	0	0	0	
AUGUSTA	95	70	100	68	82	2	.4	-.6	.3	4.1	72	18.0	70	93	48	6	0	2	0	
MACON	93	71	98	69	82	1	.1	-.9	.1	2.3	40	16.4	61	90	48	6	0	2	0	
SAVANNAH	95	73	98	71	84	3	1.1	-.6	.9	9.4	108	16.8	63	91	43	7	0	2	1	
HI HILO	82	68	84	67	75	0	1.3	-.6	.7	5.6	59	73.0	107	90	64	0	0	3	2	
HONOLULU	90	73	92	71	82	2	0	-.1	0	T	6	7.8	58	79	44	4	0	0	0	
KAHULUI	87	68	90	64	77	-1	0	-.1	0	T	0	5.9	46	93	53	1	0	0	0	
LIHUE	85	75	86	71	80	2	.1	-.4	.1	.7	27	14.9	65	76	58	0	0	2	0	
ID BOISE	95	67	101	61	81	7	.1	0	0	.4	38	4.6	63	45	16	6	0	0	0	
LEWISTON	98	67	107	60	83	9	0	-.1	0	1.1	63	4.8	64	55	16	6	0	1	0	
POCATELLO	93	60	98	52	77	6	.1	0	.1	1.2	86	5.9	89	68	22	6	0	1	1	
IL CHICAGO	86	63	92	58	75	2	.7	-.1	.7	2.9	52	16.9	94	89	46	3	0	3	1	
MOLINE	89	67	95	62	78	3	.9	-.3	.8	3.2	49	17.2	85	90	45	4	0	3	0	
PEORIA	86	66	94	62	76	1	.3	-.6	.2	6.4	115	20.0	105	91	52	2	0	3	0	
QUINCY	89	70	96	67	80	3	.1	-.9	.1	3.1	54	15.0	75	88	54	4	0	1	0	
ROCKFORD	86	63	92	59	75	2	.1	-1.0	.1	4.2	64	15.2	77	93	50	2	0	1	0	
SPRINGFIELD	88	68	95	62	78	1	.1	-.8	0	5.9	112	16.9	88	88	49	3	0	3	0	
IN EVANSVILLE	93	70	95	62	81	3	T	-.9	T	4.8	93	23.7	98	77	40	6	0	1	0	
FORT WAYNE	89	64	93	57	77	4	.1	-.7	.1	3.5	69	16.7	87	81	41	2	0	3	0	
INDIANAPOLIS	87	65	90	56	76	1	.4	-.6	.2	4.9	85	23.2	106	88	51	2	0	3	0	
SOUTH BEND	88	64	96	58	76	4	1.7	.9	1.6	4.6	83	18.8	94	82	39	3	0	2	1	
LA DES MOINES	89	70	95	67	80	4	.1	-.6	0	3.8	68	11.6	68	80	46	4	0	2	0	
SIoux CITY	91	67	96	60	79	3	.1	-.7	0	1.2	22	12.1	83	85	42	4	0	2	0	
WATERLOO	89	65	95	57	77	5	.1	-1.0	.1	2.9	45	11.3	63	85	44	2	0	1	0	
KS CONCORDIA	100	70	104	63	85	6	0	-.8	0	3.2	55	12.9	84	65	22	7	0	0	0	
DODGE CITY	103	69	107	63	86	6	T	-.7	T	2.9	67	8.9	75	58	17	7	0	1	0	
GOODLAND	100	68	104	63	84	8	.2	-.4	.2	1.3	34	7.9	82	64	18	7	0	0	0	
TOPEKA	99	71	102	65	85	7	0	-1.0	0	5.3	76	17.8	98	78	35	7	0	0	0	
WICHITA	100	70	106	61	85	4	0	-.9	0	5.2	92	13.5	87	70	23	7	0	0	0	
KY BOWLING GREEN	90	67	94	60	79	1	T	-1.0	T	4.5	69	17.4	60	95	48	4	0	1	0	
LEXINGTON	89	67	90	59	77	1	.2	-1.0	.2	6.5	102	19.9	76	91	54	1	0	1	0	
LOUISVILLE	87	69	91	61	79	1	T	-1.0	T	6.9	129	21.2	85	89	54	3	0	0	0	
LA ALEXANDRIA	92	74	94	72	83	0	T	-1.1	T	4.7	79	25.1	76	91	52	5	0	0	0	
BATON ROUGE	89	72	92	70	81	-2	1.1	-.5	.6	6.8	116	25.8	85	86	52	4	0	2	2	
LAKE CHARLES	91	73	95	69	82	0	1.2	-.1	1.0	2.8	44	21.6	81	96	54	5	0	2	1	
NEW ORLEANS	88	72	92	70	80	-2	T	-1.5	T	7.1	96	31.4	99	89	56	4	0	0	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending July 13, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE June 1	PCT. NORMAL SINCE June 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	94	72	96	71	83	0	1.2	.4	.6	9.3	182	25.4	98	89	45	7	0	3	2
ME CARIBOU	74	55	78	44	65	0	1.3	.3	.8	4.9	104	14.8	87	95	55	0	0	4	1
ME PORTLAND	79	58	85	53	68	0	.9	.2	.7	3.6	84	12.6	55	92	50	0	0	3	0
MD BALTIMORE	88	66	94	61	77	0	.5	.4	.3	3.1	58	16.9	78	90	42	2	0	4	0
MD SALISBURY	88	66	92	60	77	1	.3	.6	.3	3.1	61	14.9	67	99	54	2	0	3	0
MA BOSTON	83	65	86	62	74	1	.4	.2	.3	4.5	114	14.6	63	95	45	0	0	3	0
MA CHATHAM	76	60	80	59	68	1	.1	.6	.1	7.0	180	21.6	90	--	--	0	0	1	0
MI ALPENA	79	50	90	44	64	-2	.7	0	.6	2.6	58	15.2	103	99	45	1	0	1	0
MI DETROIT	81	61	91	52	71	-1	.5	.2	.5	3.5	74	19.6	117	90	44	1	0	2	0
MI FLINT	83	60	91	54	72	2	.7	0	.6	3.0	67	18.4	119	97	49	2	0	3	0
MI GRAND RAPIDS	85	61	92	53	73	2	.2	.5	.2	3.1	59	16.4	93	92	42	2	0	2	0
MI HOUGHTON LAKE	83	52	90	44	67	0	.3	.3	.2	2.3	53	13.8	98	91	40	1	0	2	0
MI LANSING	85	60	92	48	72	1	.1	.5	.1	2.6	55	16.1	102	93	41	2	0	1	0
MI MARQUETTE	77	46	86	38	62	-3	.7	.7	.7	4.5	85	25.1	128	93	43	0	0	0	0
MI MUSKOGON	82	60	89	51	71	1	.2	.3	.1	1.7	49	14.7	93	87	47	0	0	3	0
MN ALEXANDRIA	74	44	84	36	59	-4	.5	.2	.5	2.5	55	19.4	123	99	55	0	0	1	0
MN DULUTH	77	52	85	41	65	0	.1	.9	.1	3.2	59	12.9	98	87	41	1	0	1	0
MN INT'L FALLS	78	53	84	45	65	-1	.1	.9	.9	4.7	83	14.4	97	90	46	0	0	3	0
MN MINNEAPOLIS	88	65	97	56	77	4	.7	.8	.8	2.3	40	13.6	96	75	38	3	0	0	0
MN ROCHESTER	87	60	94	50	74	3	.3	.6	.3	1.3	22	8.6	58	96	35	2	0	1	0
MS GREENWOOD	94	73	97	68	83	1	.2	.8	.2	2.9	54	16.8	53	96	49	6	0	1	0
MS JACKSON	95	69	97	65	82	0	1.5	.5	1.3	3.9	82	22.8	74	98	44	6	0	2	1
MS MERIDIAN	96	68	99	66	82	1	.8	.5	.7	3.7	65	22.4	71	99	45	7	0	3	1
MO CAPE GIRARDEAU	95	72	99	64	84	--	0	.8	0	4.6	91	29.1	115	89	45	7	0	0	0
MO COLUMBIA	90	68	94	63	79	1	.1	.8	.1	10.4	195	28.7	142	89	50	4	0	1	0
MO KANSAS CITY	93	71	98	64	82	4	0	0	0	3.7	55	18.1	96	75	37	7	0	0	0
MO SAINT LOUIS	92	73	97	67	83	4	0	0	0	9.4	176	25.8	132	82	47	5	0	1	0
MO SPRINGFIELD	96	69	101	66	82	5	0	0	0	7.2	113	27.0	123	80	34	7	0	0	0
MT BILLINGS	93	66	99	62	79	8	.1	.2	.1	1.2	46	5.5	57	60	18	4	0	2	0
MT GLASGOW	92	61	96	57	77	7	.7	.4	.7	.1	3	3.7	52	57	18	6	0	0	0
MT GREAT FALLS	94	62	99	54	78	9	.1	.2	.1	.7	20	5.8	58	54	13	6	0	2	0
MT HAVRE	94	61	102	56	77	8	.9	.3	.7	3.4	49	14	66	49	14	6	0	1	0
MT HELENA	95	63	101	57	79	12	.7	.2	.7	2.3	33	63	14	63	14	7	0	1	0
MT KALISPELL	91	47	96	41	69	4	0	.2	0	1.6	57	6.1	67	91	18	4	0	0	0
MT MILES CITY	98	67	103	62	83	9	.7	.4	.7	1.1	32	4.3	49	48	17	6	0	0	0
MT MISSOULA	94	60	101	55	77	10	.1	.1	.1	.5	19	3.9	49	66	18	6	0	2	0
NE GRAND ISLAND	97	68	99	61	83	6	5	.6	.6	4.1	82	14.7	104	82	32	7	0	1	0
NE LINCOLN	95	69	99	62	82	5	T	.7	T	6.2	118	15.2	98	79	34	7	0	1	0
NE NORFOLK	93	67	97	60	80	4	T	.8	T	4.5	77	14.7	101	90	39	7	0	0	0
NE NORTH PLATTE	101	62	105	55	82	8	.1	.7	.1	1.0	19	8.0	65	71	17	7	0	1	0
NE OMAHA	92	69	96	65	80	5	T	.8	T	2.6	45	11.9	73	76	48	5	0	2	0
NE SCOTTSBLUFF	99	63	105	58	81	8	T	.5	T	1.8	46	5.0	51	69	15	7	0	0	0
NE VALENTINE	101	65	106	59	83	8	T	.6	T	2.4	59	5.8	56	56	16	7	0	0	0
NV ELY	90	51	93	47	71	4	.3	.2	.2	.7	66	4.2	78	75	20	5	0	4	0
NV LAS VEGAS	111	84	113	81	98	8	T	.1	T	.1	27	.6	30	28	10	7	0	2	0
NV RENO	95	57	99	54	76	7	T	.1	T	.1	26	-2.1	46	63	14	6	0	0	0
NV WINNEMUCCA	98	62	102	56	80	8	T	.1	T	.4	4	2.5	51	48	20	7	0	0	0
NH CONCORD	82	56	86	46	69	0	.1	.5	.1	3.4	82	12.3	68	98	42	0	0	2	0
NJ ATLANTIC CITY	90	67	94	60	78	4	1.2	.4	1.1	2.8	65	14.9	70	95	40	3	0	2	1
NM ALBUQUERQUE	96	67	98	62	81	2	T	.2	T	.6	64	5.1	159	47	16	7	0	0	0
NM CLOWIS	93	66	96	64	79	2	T	.6	T	3.6	101	11.4	139	44	15	6	0	0	0
NM ROSWELL	95	68	97	65	81	0	0	.3	0	1.5	106	6.5	197	51	19	7	0	0	0
NY ALBANY	80	57	85	45	69	-2	.2	.5	.2	4.7	102	14.3	77	98	43	0	0	1	0
NY BINGHAMTON	76	56	81	50	66	-3	1.4	.6	1.0	4.3	84	14.1	73	91	53	0	0	2	1
NY BUFFALO	77	58	88	53	68	-3	.4	.2	.2	4.1	106	20.9	115	89	49	0	0	4	0
NY NEW YORK	84	69	88	65	76	0	.1	.7	.1	5.7	124	16.7	76	91	50	0	0	2	0
NY ROCHESTER	77	55	86	50	66	-5	.4	.2	.4	3.7	97	14.9	92	95	52	0	0	1	0
NY SYRACUSE	78	55	86	48	67	-4	.2	.6	.1	3.3	63	14.5	72	94	54	0	0	4	0
NC ASHEVILLE	85	61	88	54	73	0	T	.1	T	2.9	47	15.7	60	98	48	0	0	1	0
NC CHARLOTTE	91	67	94	63	79	1	.6	.3	.4	7.0	135	23.9	97	96	45	6	0	4	0
NC GREENSBORO	90	65	94	61	78	1	.4	.6	.2	2.9	51	17.0	74	92	42	4	0	3	0
NC HATTERAS	86	73	89	70	80	2	1.5	.3	.9	6.1	96	22.8	86	94	65	0	0	3	1
NC NEW BERN	92	72	97	70	82	3	3.3	1.8	2.0	6.5	82	20.5	76	91	50	6	0	2	2
NC RALEIGH	91	67	95	63	79	1	1.1	.2	.7	5.3	98	20.2	89	88	42	5	0	3	1
NC WILMINGTON	92	74	98	71	83	3	.7	.1	.5	6.4	74	18.6	69	93	51	6	0	2	0
ND BISMARCK	92	58	100	53	75	5	T	.5	T	1.8	46	8.8	94	76	24	5	0	0	0
ND FARGO	85	58	98	46	71	1	T	.8	T	1.6	35	8.9	86	83	37	1	0	1	0
ND GRAND FORKS	83	54	99	44	69	0	T	.6	T	1.7	40	8.6	91	81	34	1	0	0	0
ND WILLISTON	93	61	100	59	77	7	T	.5	T	1.1	31	5.1	61	-59	15	5	0	0	0
OH AKRON-CANTON	82	62	87	57	72	1	.6	.3	.6	4.5	91	20.2	102	90	51	0	0	1	1
OH CINCINNATI	85	66	90	59	76	1	.2	.8	.1	6.0	99	24.3	105	90	52	1	0	3	0
OH CLEVELAND	82	61	92	56	72	0	.9	.1	.9	3.9	78	18.0	94	73	38	1	0	1	0
OH COLUMBUS	86	64	90	56	75	1	.4	.5	.3	3.2	56	15.5	74	91	47	1	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending July 13, 1985

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	86	63	91	57	75	0	T	-8	T	2.7	51	17.5	87	83	44	1	0	0	0
TOLEDO	86	64	94	58	75	3	1.1	.4	.9	4.6	94	18.8	109	89	46	2	0	2	1
YOUNGSTOWN	81	57	87	51	69	-1	.6	-.3	.6	3.9	74	16.5	82	83	46	0	0	2	1
OK OKLAHOMA CITY	94	70	97	65	82	1	0	-.7	0	159	26.4	147	74	34	6	0	0	0	0
TULSA	96	74	100	66	85	2	0	-.9	0	7.7	124	29.8	137	80	34	7	0	0	0
OR ASTORIA	72	52	80	48	62	2	0	-.3	0	3.1	104	19.7	54	95	57	0	0	0	0
BURNS	91	57	95	49	74	5	T	-1	T	.1	13	3.4	97	-	-	5	0	1	0
MEDFORD	96	56	99	53	76	4	0	-.1	0	.4	46	4.8	46	67	18	7	0	0	0
PENDLETON	94	64	101	61	79	6	0	-.1	0	.8	90	4.4	65	44	15	6	0	0	0
PORTLAND	89	62	96	56	75	8	T	-.1	T	2.3	138	9.8	49	73	29	3	0	0	0
SALEM	89	53	96	50	71	5	0	-.1	0	2.4	174	11.4	53	88	25	3	0	0	0
PA ALLENTOWN	80	62	85	57	71	-3	.5	-.5	.3	6.7	131	17.4	76	96	52	0	0	2	0
ERIE	77	60	88	57	69	-1	1.5	-.8	1.2	5.9	114	20.8	107	88	56	0	0	4	1
HARRISBURG	85	66	91	63	76	-1	.6	-.2	.4	3.6	72	17.9	85	92	52	1	0	2	0
PHILADELPHIA	85	64	88	59	75	-2	1.8	-.9	1.4	3.8	68	15.2	69	95	47	0	0	2	1
PITTSBURGH	82	60	87	56	71	-1	.7	-.1	.5	4.2	85	17.8	86	87	47	0	0	3	0
SCRANTON	79	59	83	55	69	-3	1.6	-.8	.9	5.2	106	17.7	98	100	57	0	0	4	2
RI PROVIDENCE	83	62	85	58	73	0	.1	-.6	.1	5.0	127	17.6	75	94	45	0	0	3	0
SC CHARLESTON	92	72	96	70	82	2	2.8	1.1	2.4	10.6	109	19.6	71	92	47	5	0	2	1
COLUMBIA	94	70	97	66	82	1	.8	-.4	.8	7.2	110	22.6	82	96	42	6	0	2	1
FLORENCE	92	71	98	66	81	1	.4	-.9	.4	4.3	60	15.0	61	93	47	6	0	2	0
GREENVILLE	90	65	94	61	78	0	2.1	1.1	1.9	6.0	90	20.1	68	92	46	4	0	3	1
SD ABERDEEN	91	62	101	56	77	5	.2	-.4	.2	2.4	56	8.0	73	80	30	3	0	1	0
HURON	94	65	105	56	79	6	0	-.5	0	2.4	54	10.3	90	83	30	7	0	0	0
RAPID CITY	98	66	104	61	82	10	T	-.5	T	1.6	37	5.2	47	38	14	2	0	0	0
SIoux FALLS	89	63	99	54	76	2	.5	-.2	.4	3.0	62	14.4	107	82	44	2	0	2	0
TN CHATTANOOGA	92	68	96	64	80	2	.1	-1.0	0	3.2	60	21.0	70	97	43	6	0	2	0
KNOXVILLE	89	63	92	58	76	-1	.9	-.2	.9	6.4	108	20.2	73	96	48	4	0	1	1
MEMPHIS	94	75	96	72	85	3	.9	-.9	T	5.0	94	26.5	87	83	46	6	0	0	0
NASHVILLE	94	70	98	65	82	3	.1	-.8	.1	1.7	32	16.4	58	89	41	7	0	1	0
TX ABILENE	95	69	99	60	82	-2	0	-.5	0	1.8	52	11.6	97	72	27	7	0	0	0
AMARILLO	98	65	102	61	82	3	T	-.6	T	3.1	66	10.0	95	59	16	7	0	1	0
AUSTIN	91	72	92	71	82	-3	.2	-.2	.2	7.2	183	16.5	97	96	49	6	0	2	0
BEAUMONT	92	72	95	69	82	-1	.6	-.6	.6	4.8	79	26.1	102	100	52	6	0	1	1
BROWNSVILLE	90	74	92	71	82	-2	-.1	-.3	.1	10.6	310	19.2	183	97	58	5	0	1	0
CORPUS CHRISTI	90	71	91	69	81	-4	T	-.4	T	5.0	118	18.8	141	90	54	5	0	1	0
DEL RIO	92	73	95	71	83	-3	0	-.4	0	6.1	246	13.3	158	82	38	6	0	0	0
EL PASO	96	63	99	57	79	-4	0	-.4	0	.1	10	1.9	68	62	17	7	0	0	0
FORT WORTH	96	73	100	69	85	-1	0	-.5	0	3.8	108	16.8	97	76	34	7	0	0	0
GALVESTON	86	76	89	72	81	-2	.5	-.3	.5	6.6	131	23.7	129	86	63	0	0	1	1
HOUSTON	91	72	92	69	81	-2	-.4	-.4	-.2	6.1	110	23.9	101	97	53	6	0	2	0
LUBBOCK	95	66	98	62	80	0	0	-.6	0	5.2	134	10.4	111	64	21	7	0	0	0
MIDLAND	96	66	100	62	81	-1	T	-.4	T	2.7	128	6.0	92	73	23	7	0	0	0
SAN ANGELO	95	67	98	63	81	-3	0	-.3	0	3.6	147	11.5	128	87	31	7	0	0	0
SAN ANTONIO	90	73	92	69	81	-3	.2	-.2	.1	13.8	357	27.0	180	92	48	4	0	2	0
VICTORIA	92	74	94	72	83	-1	T	-.6	T	7.8	134	28.3	155	96	53	7	0	1	0
WACO	94	72	99	66	83	-3	.6	-.2	.6	6.3	186	16.5	94	85	42	6	0	1	1
WICHITA FALLS	97	70	100	61	83	-3	0	-.5	0	7.0	186	22.3	151	76	31	7	0	0	0
UT BLANDING	95	61	100	58	78	5	.1	-.1	.1	.3	38	6.0	120	56	22	7	0	2	0
CEDAR CITY	96	63	102	56	80	6	T	-.2	T	.3	30	5.1	100	58	17	7	0	0	0
SALT LAKE CITY	96	70	100	66	83	6	.1	-.1	.1	1.4	112	8.6	91	65	24	7	0	3	0
VT BURLINGTON	77	56	83	47	66	-3	.2	-.6	.2	4.3	85	14.9	90	92	47	0	0	1	0
VA NORFOLK	88	70	93	65	79	1	.8	-.3	.7	8.9	165	22.2	97	88	51	4	0	3	1
RICHMOND	92	67	97	63	80	2	.8	-.3	.4	5.9	105	17.5	80	93	44	4	0	4	0
ROANOKE	89	68	94	65	79	3	1.1	-.3	.8	4.1	86	20.7	98	80	44	4	0	3	1
WA COLVILLE	94	60	100	50	76	8	0	-.2	0	1.5	80	6.2	66	52	19	4	0	0	0
QUILLAYUTE	74	48	83	42	61	2	T	-.6	T	2.5	61	27.8	51	96	46	0	0	0	0
SEATTLE-TACOMA	82	58	91	54	70	5	0	-.2	0	2.9	166	10.8	55	74	31	1	0	0	0
SPOKANE	92	61	100	54	76	7	0	-.1	0	.7	44	4.8	51	51	15	4	0	0	0
YAKIMA	95	57	101	52	76	6	0	-.1	0	.4	52	2.2	49	69	18	6	0	0	0
WV BECKLEY	80	62	83	59	71	1	.5	-.5	.5	5.7	100	20.2	85	95	59	0	0	3	0
CHARLESTON	88	67	92	64	78	4	.7	-.5	.4	4.7	86	22.0	94	87	50	3	0	3	0
HUNTINGTON	86	66	92	59	76	1	3.2	2.2	2.7	6.6	122	22.2	97	97	54	1	0	3	1
PARKERSBURG	85	67	91	60	76	2	.6	-.5	.6	2.6	40	16.7	67	95	47	1	0	4	0
WI GREEN BAY	82	57	91	51	69	0	.1	-.6	0	4.2	90	15.1	103	95	47	1	0	1	0
LA CROSSE	87	61	94	53	74	1	.1	-.8	.1	3.0	51	11.7	72	85	40	2	0	1	0
MADISON	86	60	90	56	73	3	.1	-.8	.1	3.6	65	14.9	92	90	48	1	0	1	0
MILWAUKEE	87	65	98	61	76	6	T	-.8	T	2.1	41	15.1	90	90	45	2	0	1	0
WAUSAU	82	58	89	49	70	1	.1	-.8	.1	3.7	66	12.5	78	92	42	0	0	1	0
WY CASPER	92	58	98	54	75	5	.2	-.1	.1	1.6	90	6.1	82	71	19	5	0	3	0
CHEYENNE	90	61	94	57	75	7	.7	-.3	.7	2.2	80	5.5	67	68	21	4	0	1	1
LANDER	91	63	96	58	77	7	.1	-.1	.1	1.8	101	4.6	52	59	22	5	0	4	0
SHERIDAN	95	57	99	50	76	6	T	-.2	T	1.8	66	5.9	61	70	18	6	0	0	0
PR SAN JUAN	91	76	94	74	84	2	.1	-.9	.1	.5	7	14.3	62	88	56	5	0	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

(Continued from p. 1)

SATURDAY...Thunderstorms were scattered over the Rockies, the southern Plateau, across the northern Plains, and through the lower Great Lakes region. Some isolated heavy rain fell in the eastern Great

Lakes region. Showers and thunderstorms were triggered along the gulf coast and the Southeast to Maryland. Temperatures were cooler in the northern Plains but still hot in the central and southern Plains and Southwest.



## National Agricultural Summary

JULY 8 to 14

**HIGHLIGHTS:** The dryness intensified with more than half the States in the Nation short on soil moisture. However, crop conditions remained generally good except in Montana. The warm, dry weather provided 5 to 7 days suitable for fieldwork in most areas. Rain slowed fieldwork to 5 days or less in the Appalachian States and a few northeastern areas. Wheat harvest continued making good progress, especially across the Great Plains. In the 18 major producing States, combines had crossed 77 percent (%) of the acreage, 13 points ahead of 1984 and the 5-year average. Corn was generally good despite low moisture in most areas. Silking was 20 points ahead of last year and 12 points above normal. Soybeans were mostly good with nearly a third of the acreage blooming. Pod setting became more widespread across the Southeast. Sixty-five percent of the cotton acreage had squares, 9 points behind 1984 and 8 points below the average. Bolls were present on 30% of the acreage, which was slightly ahead of normal. Sorghum was 22% headed in the 7 major producing States, which was about normal. Harvest continued in Texas and sorghum turned color throughout the Southeast. Rice was 16% headed, 6 points behind normal. The first rice was cut for grain in Texas along the Upper Coast. Livestock was good, but supplemental feeding increased as pastures and range dried.

**SMALL GRAINS:** Dry, warm weather allowed wheat harvest to continue throughout the Great Plains. In the 18 major producing States combines had crossed 77% of the acreage, 13 points ahead of 1984 and the 5-year average. In Nebraska, Colorado, and Ohio, nearly half the wheat acreage was harvested last week. Wheat harvest leaped 21, 26, and 31 points in Illinois, South Dakota, and Indiana, respectively. Harvest was complete in the southeast and approached completion in the Southwest.

Spring wheat was 93% headed compared with 86% last year and 84% normally. Spring wheat was fair to good but remained poor in Montana as a result of insufficient moisture.

**CORN:** Corn was generally good despite low moisture in most areas. In the 16 of the 17 major producing States, 28% of the acreage was silking, 20 points ahead of last year and 12 points above normal. Excessive heat concerned producers in some areas as corn crossed into the critical pollination stage.

**SOYBEANS:** Soybeans were mostly good with nearly one-third of the acreage blooming. Blooms were present on 24% of the acreage last year and averaged 27% over the last 5 years. Pod setting became more widespread across the Southeast and soybeans were setting pods in Illinois and Iowa. Heat and insufficient moisture caused leaf drop in Nebraska.

**COTTON:** Squares were present on 65% of the cotton acreage, 9 points behind 1984 and 8 points behind the average. Bolls were setting in 30% of the cotton acreage. This compares with 24% last year and the 27% average. Cotton was good except in Missouri and Texas where it was fair. Light harvest activities continued in Texas Rio Grande Valley.

**SORGHUM:** The sorghum crop continued progressing normally. Crop condition was mostly good in the 7 major producing States. Sorghum was 22% headed which was about normal. Sorghum was harvested in Texas and turned color in the Southeast.

**OTHER CROPS:** Flue-cured tobacco harvest was underway in all producing States. Harvest was most advanced in Georgia and Florida, and just began in Virginia. Shade tobacco harvest was underway in the New England States.

Rice was 16% headed, 6 points behind normal. Heading was 54 points behind normal in Texas. The first fields were cut for grain in Texas along the Upper Coast.

Hay cutting was active in most areas. Quality and yield were reduced in some areas as a result of moisture shortages.

**FRUIT AND NUTS:** Peach harvest continued in full swing and apple harvest gained momentum along the east coast. Peach harvest began in Oregon's Willamette Valley. Florida citrus groves continued normal growth patterns. Rain provided additional moisture and fruit sized well. The California heat increased fruit droppage and caused increased irrigation. Table grape harvest neared completion in the Coachella Valley but increased in other areas. Grape harvest neared completion in Arizona.

**VEGETABLES:** Land preparation for fall vegetable continued increasing in the Southeast. Harvest of summer vegetables continued declining in the South with mostly melons, cantaloups, and sweet corn left to be harvested. Summer vegetable harvest continued increasing in the northern producing areas. Excess heat caused increased irrigation in California vegetable areas.

**PASTURES AND LIVESTOCK:** Dry, rainless weather continued to dry pastures and ranges, especially in the western half of the Nation. Farmers increased supplemental feeding as pastures failed. Stockwater supplies was becoming short in some areas. Livestock were rated mostly good.

**CROP PROGRESS**

FOR WEEK ENDING JULY 14, 1985

	SORGHUM % HEADED		
	1985	1984	AVG.
ARK	50	NA	NA
KANS	1	1	2
MO	13	10	12
NEBR	0	0	0
OKLA	10	5	10
S DAK	1	0	0
TEX	64	61	66
7 STATES	24	NA	NA
EXCL. STATES WITH NA	22	21	23

THESE 7 STATES PRODUCED 83%  
OF THE 1984 SORGHUM CROP.

NA - NOT AVAILABLE

	SPRING WHEAT % HEADED		
	1985	1984	AVG.
IDAHO	98	85	87
MINN	92	95	92
MONT	92	85	85
N D	91	79	76
S DAK	100	94	98
5 STATES	93	86	84

THESE 5 STATES PRODUCED 92%  
OF THE 1984 SPRING WHEAT CROP.

	RICE % HEADED		
	1985	1984	AVG.
ARK	2	0	0
CALIF	0	0	1
LA	49	45	46
MISS	19	14	9
TEX	31	82	84
5 STATES	16	22	22

THESE 5 STATES PRODUCED 97%  
OF THE 1984 RICE CROP.

	SOYBEANS % BLOOMING		
	1985	1984	AVG.
ALA	22	14	19
ARK	14	4	6
GA	29	16	22
ILL	53	32	41
IND	35	30	28
IOWA	46	31	29
KANS	20	15	10
KY	16	6	11
LA	18	16	20
MICH	5	10	12
MINN	26	17	23
MISS	19	12	15
MO	32	10	15
NEBR	40	15	20
N C	6	5	7
OHIO	25	15	15
S C	11	0	0
S DAK	23	10	31
TENN	15	12	12
19 STATES	31	18	22

THESE 19 STATES PRODUCED 94%  
OF THE 1984 SOYBEAN CROP.

	COTTON % SQUARING		
	1985	1984	AVG.
ALA	99	93	84
ARIZ	100	99	97
ARK	100	95	95
CALIF	98	90	88
GA	96	93	95
LA	91	83	83
MISS	92	94	95
MO	99	92	82
N MEX	80	82	80
N C	91	53	70
OKLA	30	10	15
S C	100	100	100
TENN	85	91	85
TEX	38	63	62
14 STATES	65	74	73

THESE 14 STATES PRODUCED 100%  
OF THE 1984 COTTON CROP.

	COTTON % SETTING BOLLS		
	1985	1984	AVG.
ALA	50	22	27
ARIZ	79	75	80
ARK	54	26	36
CALIF	45	40	37
GA	72	49	72
LA	55	29	34
MISS	37	18	29
MO	19	16	28
N MEX	50	45	43
N C	55	26	28
OKLA	10	0	2
S C	80	59	70
TENN	14	10	12
TEX	14	17	19
14 STATES	30	24	27

THESE 14 STATES PRODUCED 100%  
OF THE 1984 COTTON CROP.

	WINTER WHEAT % HARVESTED		
	1985	1984	AVG.
ARK	99	100	100
CALIF	95	98	93
COLO	68	18	26
GA	100	99	99
IDAHO	0	0	0
ILL	96	90	88
IND	98	60	60
KANS	100	90	85
MICH	10	1	8
MO	98	85	78
MONT	0	0	0
NEBR	85	35	50
OHIO	70	30	40
OKLA	100	100	95
OREG	4	1	3
S DAK	29	5	19
TEX	100	97	96
WASH	1	0	1
18 STATES	77	64	64

THESE 18 STATES PRODUCED 88%  
OF THE 1984 WINTER WHEAT CROP.

	CORN % SILKING		
	1985	1984	AVG.
COLO	0	1	1
GA	99	95	95
ILL	60	10	31
IND	35	11	17
IOWA	18	3	10
KANS	35	15	15
KY	52	24	34
MICH	5	1	3
MINN	3	0	2
MO	58	8	22
NEBR	15	2	8
N C	95	72	75
OHIO	25	0	15
PA	3	0	0
S DAK	2	0	3
TEX	78	NA	NA
WIS	6	2	3
17 STATES	29	NA	NA
EXCL. STATES WITH NA	28	8	16

THESE 17 STATES PRODUCED 93%  
OF THE 1984 CORN CROP.

NA - NOT AVAILABLE

## 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 SRS State Statistical Offices in cooperation with the National Weather Service.

**ALABAMA:** Rainfall mostly less than 0.50 in. statewide. Local amounts between 1.00 to 2.00 in. Temperatures 1 to 20 above normal.

Fieldwork 5.2 days. Soil moisture 21% short, 79% adequate. Corn silked 98%, 83% 1984, 83% avg.; dented 43%, 27% 1984, 36% avg.; mature 15%; 2% very poor, 15% poor, 29% fair, 46% good, 8% excellent. Cotton squaring 99%, 93% 1984, 84% avg.; setting bolls 50%, 22% 1984, 27% avg.; 16% fair, 63% good, 21% excellent. Soybeans blooming 22%, 14% 1984, 19% avg.; setting pods 5%; 2% poor, 36% fair, 55% good, 7% excellent. Peanuts pegging 93%, 52% 1984, 60% avg.; 16% fair, 63% good, 21% excellent. Primary activities: Cultivating and applying herbicides to row crops; mowing and fertilizing pastures; harvesting vegetables; cutting hay and corn for silage; spraying orchard crops. Sorghum 2% poor, 22% fair, 64% good, 12% excellent. Pastures 4% poor, 43% fair, 49% good, 4% excellent. Livestock 33% fair, 65% good, 2% excellent.

**ALASKA:** Temperatures near normal with rainfall ranging from 0.10 to 1.47 in. Warm, sunny with occasional showers most Railbelt; continued showers Tanana Valley.

Days available for making hay and silage, other fieldwork 2.0 to 5.0. Topsoil moisture 14% short, 81% adequate, 5% surplus. Subsoil moisture 20% short, 76% adequate, 4% surplus. Barley for grain 27% poor, 56% fair, 17% good. Small grain heights ranged 11 to 26 in., 20 to 24 in. 1984. First cutting hay 10% cut Tanana Valley, 15% harvested Matanuska Valley. Potato heights avg. 6 in., 13 in. 1984. Little or no wind damage to small grains.

**ARIZONA:** Increased tropical moisture, scattered thundershowers, higher elevations, southeast. Marked increase Mogollon Rim, White Mountain, southeast 13th. Rainfall amounts under 0.50 in., except Nogales, 1.33 in. 13th. Temperatures 2 to 80 above normal.

Grain growers completed harvest. Cotton 2% fair, 89% good, 9% excellent; 100% squaring, 99% 1984, 97% avg.; bolls setting 79%, 75% 1984, 80% avg. Light weed, insect, disease infestations. Alfalfa harvest moderate to active. Quality good to excellent. Movement slow. Insect damage light. Corn harvest underway soon west. Sorghum progressing well. Late sorghum planting begins two weeks. Yuma peanut crop good. Harvesting, shipping fruit, vegetables nearly complete west. Honeydew shipments continued Parker-Poston. Aguilarharquahala cantaloups, grapes to finish during week of July 14th. Watermelons, sharilyns continued. Central valley watermelons shipped small volumes. Grapes, chipper potatoes finish up midmonth. Cantaloup, soft tree fruit harvest complete. Other vegetables, melons; carrots, green onions, honeydews, persians. Peach harvest Willcox began.

**ARKANSAS:** Temperatures 1 to 60 above normal. Rainfall isolated. Temperature extremes 590, 1060. Precipitation none to 1.27 in.

Days suitable for fieldwork 6.0. Soil moisture 75% short, 25% adequate. Cotton 100% squared, 95% 1984, 95% avg. Cotton 54% setting bolls, 26% 1984, 36% avg. Cotton 9% poor, 25% fair, 39% good, 27% excellent. Winter wheat 99% harvested, 100% 1984, 100% avg. Rice 2% headed, none 1984, none avg. Rice 1% poor, 6% fair, 82% good, 11% excellent. Sorghum 50% headed. Sorghum 20% fair,

71% good, 9% excellent. Soybeans 14% blooming, none 1984, none avg. Soybeans 2% poor, 29% fair, 63% good, 6% excellent.

**CALIFORNIA:** Warm airmass strong high pressure produced above normal temperatures maintaining typical dry summer conditions. All regions averaged 4 to 70 above normal. Precipitation nonexistent. Temperatures range low of 430 Alturas to a high of 1200 Blythe.

Another excellent week allowed farmers to be active in fields. Wheat, barley harvest continued. Wheat 95% harvest, 98% 1984, 93% avg. Rice none headed, none 1984, 1% avg.; 15% fair, 85% good. Cotton 98% squared, 90% 1984, 88% avg.; 45% setting bolls, 40% 1984, 37% avg.; 30% fair, 70% good. Corn, safflower, sunflower, sugarbeets, dry beans continued to be irrigated, cultivated. Baling alfalfa for hay continued. Irrigations, pruning continued for many crops. Hass avocado harvest continued, small sizes prevailing. Black Mission figs falling to ground, about ready for harvest. Table grape harvest Coachella Valley about complete, picks of table grapes increased other areas. Demand for Freestone peaches, nectarines down. Plum market remained firm with many varieties available. Clingstone peach harvest now underway many areas. Valencia orange harvest continued, light volume. Early almond varieties beginning to split hulls. Growers sprayed to control Navel orangeworm. High temperatures caused extra irrigation, some sunburn. Broccoli, cauliflower moderate supplies central coast. Cantaloup harvest slow desert, increasing San Joaquin Valley. Celery harvest increased slowly central coast, decreased south coast. Sweet corn, cucumber harvest active most producing districts. Lettuce moderate supply central coast. Honeydew harvest continued San Joaquin Valley, started Sacramento Valley. Spring potato harvest winding down, summer potato harvest started. Market tomato harvest increased northern San Joaquin Valley decreased south. Processing tomato harvest increased central valleys. Some sunburns, extra irrigation. Watermelon harvest resumed from inspected fields. Ranges, pastures continued extremely dry. Fire danger severe most areas of State. Brush, grass fires out of control several areas. Stockwater supplies low most districts. Hot weather caused decline milk production.

**COLORADO:** Hot, dry statewide with a few isolated thundershowers. Temperatures near normal to above normal.

Days suitable for fieldwork 7.0. Soil moisture 95% short, 5% adequate. Winter wheat 38% good, 62% excellent; 70% ripe, 6% 1984, 26% avg.; 21% harvested, 1% 1984, 4% avg. Corn 12% good, 88% excellent. Barley 26% ripe, none 1984, 5% avg.; 13% harvested, none 1984, none avg. Alfalfa hay 92% cut one time, 81% 1984, 78% avg.; 6% cut second time, 5% 1984, 6% avg. Livestock good.

**FLORIDA:** Routine summer weather prevailed with warm temperatures, scattered mainly afternoon, evening thundershowers. Rainfall amounts averaged near 1.00 in. with localized heavier amounts. Temperatures averaged 1 to 20 above normal.

Soil moisture adequate most areas. Some corn planted for grain being cut for silage due to previous drought damage. Tobacco harvest continued active, markets open next week. Soybeans making good progress, planting complete. Peanuts growing well, harvest of green peanuts for

boiling underway. Cotton good condition, early fields setting bolls. Hay crops growing well, haymaking active. Sugarcane making good growth. Grass growing very well following recent rains. Overall pasture conditions good. Cattle good to excellent lower Peninsula, fair to good elsewhere. Citrus groves normal growth patterns. Hot temperatures, humid conditions, afternoon rains most areas, abundance of new growth. Late bloom over. Regular bloom fruit sizing well. Current Valencia harvest almost complete. Caretakers very active with normal summer work. Frequent showers most vegetable areas. Harvest essentially complete for most spring vegetables. Sweet corn supplies limited. Watermelon harvest declining north and Panhandle, limited supplies elsewhere.

**GEORGIA:** Warm with rain most locations. Average temperatures 2 to 30 above normal north, about 10 above normal central, near normal south. Rainfall totals mostly less than 0.50 in., local amounts between 1.00 to 2.00 in. Totals 0.50 to 1.50 in. below normal for week. Total rainfall since January 1 still 2.00 to 10.00 in. below normal most locations, some 12.00 to 14.00 in. below normal.

Days suitable for fieldwork 5.5. Soil moisture 2% very short, 36% short, 62% adequate. Main activities: Haying, applying pesticides, harvest. Corn 99% silked, 95% 1984, 95% avg.; 90% dough, 74% 1984, 80% avg.; 66% dent, 45% 1984, 56% avg.; 20% mature, 16% 1984, 26% avg.; 1% harvested, none 1984, 2% avg. Corn 3% very poor, 5% poor, 44% fair, 44% good, 4% excellent. Cotton 96% squaring, 93% 1984, 95% avg.; 72% setting bolls, 49% 1984, 72% avg. Cotton 11% fair, 83% good, 6% excellent. Grain sorghum 98% planted, 96% 1984, 94% avg.; 1% poor, 28% fair, 69% good, 2% excellent. Peanuts 97% blooming, 96% 1984, 97% avg.; 84% pegging, 83% 1984, 88% avg.; 13% fair, 77% good, 10% excellent. Soybeans 99% planted, 98% 1984, 98% avg.; 29% blooming, 16% 1984, 22% avg.; 6% setting pods, 4% 1984, 5% avg. Soybean 24% fair, 75% good, 1% excellent. Tobacco 28% harvested, 24% 1984, 35% avg.; 21% fair, 79% good. Watermelons 82% harvested, 59% 1984, 66% avg.; 34% fair, 59% good, 7% excellent. Apples 7% harvested, 9% 1984, 8% avg.; 6% poor, 39% fair, 55% good. Peaches 85% harvested, 80% 1984, 80% avg.; 22% very poor, 18% poor, 22% fair, 35% good 3% excellent. Pecans 4% poor, 41% fair, 55% good. Pastures 1% very poor, 3% poor, 30% fair, 64% good, 2% excellent. Hay 1% very poor, 4% poor, 35% fair, 59% good, 1% excellent. Cattle 23% fair, 77% good. Hogs 17% fair, 83% good.

**HAWAII:** Hot, mostly sunny conditions enabled crops to make fair to good progress. Temperatures hit record highs averaging in upper 80s to low 90s as trades below 10 to 20 mph. Light showers from east fell on parts of Hawaii Island. Voluntary water conservation measures still in effect Waimea, Hawaii as well as on Oahu. Head cabbage and Head Lettuce production forecast to be at last weeks levels under heavy irrigation, spraying. Supplies of watermelons will continue at last weeks levels with increases anticipated for end of July.

**IDAHO:** Temperatures well above normal. Readings in 100's common. Highest 1070 Lewiston. Average temperatures 5 to 90 above normal. High pressure, dry southwesterly flow over State. Precipitation well below normal. Only scattered thundershowers accounted for light, spotty amounts of rain.

Days suitable for fieldwork 7.0. Alfalfa first cutting 94% cut, 86% 1984, 88% avg.; second cutting 6% cut, 4% 1984, 6% avg. Cherries 100% harvested, 32% 1984, 100% avg. Mint 3% harvested,

1% 1984, 4% avg. Grass seed 5% harvested, 9% 1984, 7% avg. Onions good to excellent. Potatoes 9% less than 12 in., 43% more than 12 in., but not closing middles; 48% closing middles. Winter wheat 60% turning color. Spring wheat 62% headed, 33% turning. Barley 88% headed, 24% turning, 1% harvested. Winter wheat 14% poor, 32% fair, 54% good. Spring wheat 13% poor, 39% fair, 48% good. Barley 14% poor, 41% fair, 36% good, 9% excellent. Potatoes 12% fair, 63% good, 25% excellent. Grasshopper infestation south, east moderate. One report of early pea harvest. Dry, short range, pastures; moisture needed. Livestock good.

**ILLINOIS:** Temperatures normal to 40 above normal. Precipitation none to 2.50 in. scattered, none southern third.

Days suitable for fieldwork 6.3. Soil moisture 51% short, 47% adequate, 2% surplus. Corn silking 60%, 10% 1984, 31% avg.; dough stage 8%, none 1984, 3% avg. Corn 1% poor, 12% fair, 56% good, 31% excellent. Soybeans blooming 53%, 32% 1984, 41% avg.; setting pods 12%, 4% 1984, 9% avg. Soybeans 1% poor, 22% fair, 60% good, 17% excellent. Winter wheat harvested 96%, 90% 1984, 88% avg. Oats turning yellow 93%, 78% 1984, 77% avg.; ripe 60%, 32% 1984, 35% avg.; harvested 30%, 14% 1984, 15% avg.; 20% fair, 66% good, 14% excellent. Alfalfa second crop 75% cut, 57% 1984, 58% avg.; 4% poor, 20% fair, 64% good, 12% excellent. Pasture 10% poor, 31% fair, 49% good, 10% excellent.

**INDIANA:** Temperatures in upper 80's to low 90's. Below normal rainfall scattered and mostly north amounts from none to 3.30 in.

Fieldwork 6.3 days. Topsoil moisture 58% short, 41% adequate, 1% surplus. Subsoil moisture 43% short, 57% adequate. Wheat 98% harvested, 60% 1984, 60% avg. Corn 35% silked, 11% 1984, 17% avg. Corn 8% poor, 25% fair, 61% good, 6% excellent. Corn 65 in. tall, 50 in. 1984, 52 in. avg. Soybeans 35% bloomed, 30% 1984, 28% avg. Soybeans 16 in. tall, 14 in. 1984, 13 in. avg. Soybeans 4% poor, 30% fair, 63% good, 3% excellent. Rye 70% combined, 37% 1984, 45% avg. Alfalfa 65% cut twice, 43% 1984, 45% avg.

**IOWA:** Hot, dry with light spotty showers. Locally heavy thunderstorms with some hail and up to 4.00 in. rain. Average daily evaporation 0.30 to 0.36 in. Temperatures extremes 510 on 10th to 990 on 9th.

Days suitable for fieldwork 6.7. Topsoil moisture 93% short, 7% adequate. Subsoil moisture 72% short, 28% adequate. Corn acreage tasseled 41%, 8% 1984, 21% avg. Corn acreage silked 18%, 3% 1984, 10% avg. Corn 4% poor, 22% fair, 60% good, 14% excellent. Soybeans blooming 46%, 31% 1984, 29% avg. Soybeans setting pods 7%, 3% 1984, 4% avg. Soybeans 3% poor, 24% fair, 65% good, 8% excellent. Oats acreage turning color 98%, 74% 1984. Oats acreage harvested 30%, 4% 1984, 16% avg. Oats 3% poor, 16% fair, 68% good, 13% excellent. Winter wheat harvested 70%, 38% 1984, 43% avg. Second crop alfalfa hay harvested 65%, 27% 1984, 38% avg. Second crop clover hay harvested 30%, 8% 1984, 12% avg. Hay 4% very poor, 13% poor, 47% fair, 32% good, 4% excellent. Pastures 16% very poor, 40% poor, 27% fair, 15% good, 2% excellent. Livestock good.

**KANSAS:** Widely scattered showers west, otherwise dry weather continued. Temperatures averaged 84 to 870, 50 above normal southeast to 100 above normal northwest.

Days suitable for fieldwork 7.0. Topsoil moisture 82% short, 18% adequate. Wheat 100% harvested, 90% 1984, 85% avg. Sorghum 1% headed, 1% 1984, 2% avg. Sorghum 11% fair, 31% good, 58% excellent. Grasshoppers light to moderate levels,

spraying where necessary. Soybeans 20% blooming, 15% 1984, 10% avg. Soybeans 6% fair, 18% good, 76% excellent. Corn 35% silking, 15% 1984, 15% avg. Corn 1% fair, 14% good, 85% excellent. Range, pastures need rain. Supplemental feeding where necessary. Alfalfa second cutting virtually complete. Need rain and growth for third cutting.

**KENTUCKY:** Hot, humid. Temperatures upper 80's to around 90's beginning of week, low to 90's end. Widely scattered thunderstorms. Heavier thunderstorms dropped over 1.00 in. while majority stations had no rain.

Days suitable for fieldwork 5.2. Soil moisture 22% short, 70% adequate, 8% surplus. Corn 15% fair, 57% good, 28% excellent; 52% silking, 24% 1984, 34% avg.; need rain. Soybeans 16% blooming, 6% 1984, 11% avg.; 1% poor, 25% fair, 62% good, 12% excellent. Late beans need rain. Some tobacco topped. Burley prospects mostly good. Wheat for grain harvest virtually complete. Sorghum mostly good. Pastures good.

**LOUISIANA:** Temperatures averaged 10 below normal to 10 above normal. Temperature extremes 55, 100. Rain totals averaged 0.10 to 1.10 in.

Days suitable for fieldwork 5.0. Soil moisture 52% short, 45% adequate, 2% surplus. Cotton 46% fair, 54% good. Cotton 91% squaring, 83% 1984, 83% avg.; 55% setting bolls, 29% 1984, 34% avg. Rice 25% fair, 70% good, 5% excellent. Rice 49% headed, 45% 1984, 46% avg.; 4% ripe, 2% 1984, 4% avg.; rice 1% harvested. Soybeans 62% fair, 38% good. Soybeans 99% emerged, 99% 1984, 96% avg.; 18% blooming, 16% 1984, 20% avg. Soybeans 4% setting pods, 4% 1984, 6% avg. Sorghum 46% fair, 49% good, 5% excellent. Sorghum 76% headed, 70% 1984, 55% avg.; 20% turning color, 13% 1984, 12% avg. Corn fair to good; 98% silked, 96% 1984, 94% avg.; corn 90% dough stage, 70% 1984, 74% avg.; 18% mature, 17% 1984, 27% avg. Sweetpotatoes fair to good; 1% harvested, none 1984, 1% avg. Peaches good; 65% harvested, 63% 1984, 74% avg. Pastures, vegetables fair, livestock, sugarcane fair to good.

**MARYLAND & DELAWARE:** Maryland: Temperatures near normal, range upper 50s, lower 90s. Precipitation State averaged 1.30 in., 0.14 to 6.93 in.

Days suitable for fieldwork 5.0. Topsoil moisture mostly adequate to short. Subsoil moisture short. Wheat harvested 95%, 75% 1984, 85% avg. Oats harvested 75%, 50% 1984, 45% avg. Rye harvested 100%, 85% avg. Corn good. Corn silked 35%, 15% 1984, 35% avg. Soybeans mostly fair. Soybeans bloomed 10%, 10% 1984. Tobacco mostly poor to fair. Tobacco bloomed 25%.

Delaware: Temperatures near normal. Range upper 50s, lower 90s. Precipitation averaged 1.67 in., range 0.95 to 2.24 in.

Days suitable for fieldwork 6.0. Topsoil, subsoil moisture mostly short. Corn mostly fair to good. Corn silked 58%, 37% 1984, 47% avg. Soybeans good. Soybeans bloomed 35%, 17% 1984, some pods forming.

**MICHIGAN:** Temperatures averaged 10 above normal Lower Peninsula, 30 below normal Upper Peninsula. Precipitation heavy southern counties, light to moderate remainder.

Days suitable for fieldwork 6.0. Soil moisture 79% short, 21% adequate. Corn 5% silked, 1% 1984, 3% avg. Corn 5% poor, 20% fair, 55% good, 20% excellent. Soybeans 5% blooming, 10% 1984, 12% avg. Soybeans 5% poor, 20% fair, 55% good, 20% excellent. Winter wheat 10% harvested, 1% 1984, 8% avg. Winter wheat 5% poor, 15% fair, 55% good, 25% excellent. Fruit developing normally. Tart cherries 30% harvested, 10% 1984, 18% avg. Sweet cherries 25% harvested, 15% 1984, 23% avg. Celery, snap bean harvest active.

**MINNESOTA:** Continued dry, warm. Temperatures averaged near normal to 30 above normal. Temperature extremes: 41, 101. Precipitation averaged 0.61 to 0.83 in. below normal. Greatest weekly total 0.61 in.

Days suitable for fieldwork 6.2. Topsoil moisture 59% short, 39% adequate, 2% surplus. Corn 46 in. height, 42 in. 1984, 42 in. avg.; 10% tasseling, 3% 1984, 8% avg. Corn 9% poor, 39% fair, 41% good, 11% excellent. Soybeans 14 in. height, 13 in. 1984, 14 in. avg.; 26% blooming, 17% 1984, 23% avg. Soybeans 2% very poor, 6% poor, 47% fair, 40% good, 5% excellent. Spring wheat 92% heading, 95% 1984, 92% avg.; 16% turning ripe, 16% 1984, 22% avg. Spring wheat 2% poor, 23% fair, 63% good, 12% excellent. Oats 94% heading, 97% 1984, 94% avg.; 44% turning ripe, 27% 1984, 30% avg. Barley 94% heading, 97% 1984, 93% avg.; 28% turning ripe, 35% 1984, 36% avg. Sunflowers 17 in. height, 13 in. 1984, 14 in. avg.; 1% blooming, none 1984, 4% avg.

**MISSISSIPPI:** Temperatures averaged 2 to 40 above normal north, near normal south. Extremes 60; 101. Greatest 24-hour rainfall 1.95 in.

Fieldwork 6.0 days suitable, 5.9 1984, 5.8 avg. Soil moisture 65% short, 35% adequate. Cotton 92% squaring, 94% 1984, 95% avg.; 37% setting bolls, 18% 1984, 29% avg.; 4% poor, 11% fair, 74% good, 11% excellent. Corn 83% silking, 81% 1984, 76% avg.; 57% dough, 40% 1984, 54% avg.; 8% poor, 26% fair, 61% good, 5% excellent. Rice 19% heading, 14% 1984, 9% avg.; 87% good, 13% excellent. Soybeans 94% emerged, 89% 1984; 19% blooming, 14% 1984, 15% avg.; 2% podding, 1% 1984; 43% fair, 55% good, 2% excellent. Grain sorghum 54% heading, 29% 1984; 42% fair, 50% good, 8% excellent. Corn silage 10% harvested, 6% 1984. Hay 56% harvested, 45% 1984, 57% avg. Watermelons 42% harvested, 34% 1984. Peaches 65% harvested, 59% 1984, 54% avg.; 7% poor, 43% fair, 50% good. Pasture 10% poor, 50% fair, 37% good, 3% excellent.

**MISSOURI:** Temperatures averaged 2 to 40 above normal. Precipitation 0.01 in. northeast.

Days suitable for fieldwork 6.6. Topsoil moisture 77% short, 22% adequate, 1% surplus. Corn 2% poor, 40% fair, 54% good, 4% excellent; silking 58%, 8% 1984, 22% avg. Soybeans 2% poor, 44% fair, 52% good, 2% excellent. Blooming 32%, 10% 1984, 15% avg. Grain sorghum 1% poor, 40% fair, 58% good, 1% excellent; heading 13%, 10% 1984, 12% avg. Cotton 10% poor, 40% fair, 40% good, 10% excellent; squaring 99%, 92% 1984, 82% avg.; setting bolls 19%, 16% 1984, 28% avg. Winter wheat harvested 98%, 85% 1984, 78% avg. Oats 89% harvested. Second crop alfalfa 87% cut, third crop 8% cut. Other hay 86% cut. Pasture 10% poor, 59% fair, 31% good.

**MONTANA:** Very hot, dry. Temperatures averaged 4 to 120 above normal. Maximum temperatures 90s, 100s most of week. Highest temperatures 1060 at Thompson Falls and Ingomar, 1050 at Libby. Some precipitation across southwest 0.10 to 0.66 in, around 0.10 in. in south central. Otherwise, no precipitation.

Days suitable for fieldwork 6.7. Topsoil moisture 97% short, 3% adequate. Subsoil moisture 98% short, 2% adequate. Winter wheat 25% very poor, 47% poor, 26% fair, 2% good; winter wheat headed 100%, 100% 1984, 100% avg.; turning color 71%, 80% 1984, 55% avg.; ripe but not harvested 6%, none 1984, none avg. Harvest expected to start approximately July 23rd. Spring wheat 23% very poor, 67% poor, 9% fair, 1% good; spring wheat boot 8%, 15% 1984, 15% avg.; headed 92%, 85% 1984, 85% avg.; turning color 24%, 15% 1984, 20% avg. Barley 23% very poor, 62% poor, 12% fair, 3% good; barley boot 9%, 10% 1984, 20% avg.; headed 90%, 90% 1984, 75% avg.; turning color 33%, 15%

1984, 10% avg.; ripe but not harvested 1%, none 1984, none avg. Oats 22% very poor, 56% poor, 16% fair, 6% good. Oats boot 6%, 20% 1984, 25% avg.; headed 94%, 80% 1984, 70% avg.; turning color 33%, 10% 1984, 10% avg.; ripe but not harvested 4%, none 1984, none avg. Sugarbeets 10% poor, 40% fair, 50% good. First cutting alfalfa 93%, 80% 1984, 75% avg. Wild hay harvest 62%, 45% 1984, 40% avg. Irrigation water supplies 84% short, 16% adequate. Stockwater supplies 79% short, 21% adequate.

**NEBRASKA:** Hot, dry. Temperatures averaged 50 below to 60 above normal. Rainfall scarce. Severe thunderstorm moved through central State on 14th. Precipitation scattered, localized, ranged from 0.25 to 1.30 in.

Days suitable for fieldwork 7.0. Topsoil moisture 100% short. Subsoil moisture 51% short, 49% adequate. Wheat ripe 99%, 65% 1984, 75% avg. Wheat harvested 85%, 35% 1984, 50% avg. Oats harvested 35%, 8% 1984, none avg. Alfalfa second cutting 65%, 25% 1984, 45% avg. Corn 2% poor, 9% fair, 78% good, 11% excellent. Corn silking 15%, 2% 1984, 8% avg. Slight curling of leaves dryland corn, drought stress in northwest and extreme southeast. Soybeans 21% fair, 74% good, 5% excellent. Soybeans blooming 40%, 15% 1984, 20% avg. Some plants dropping lower leaves, blight reported few fields southeast. Sorghum 8% fair, 88% good, 4% excellent. Sorghum headed none, none 1984, none avg. Greenbug numbers increasing.

**NEVADA:** Much above normal temperatures, numerous outbreaks of thunderstorm activity. Thunderstorms, high based, much of associated precipitation evaporated before reaching ground. Lightning strikes set numerous range fires plagued many sections of State. Strong winds also noted in several areas. Average temperatures varied from 7 to 90 above normal. State high of 1220 tied all time State maximum. Hot, dry weather ideal for hay and small grain harvests. Ranges, pastures continued to deteriorate under searing temperatures.

**NEW ENGLAND:** Average precipitation from maximum 1.50 in. over Maine, northern New Hampshire to less than 0.25 in. over Rhode Island, coastal Connecticut. Rest of region received between 0.50 to 0.75 in. Average temperatures ranged from mid 60's near Canadian boarder to mid 70's along south coast.

Days suitable for fieldwork 5.5. Soil moisture 30% short, 70% adequate. Fieldwork progress on schedule. Grazing availability 5% short, 95% adequate. Hot, humid weather accelerated crop growth. Field corn good to excellent. First cut hay 75%, 80% 1984, 85% avg. Second cut hay 15%, 15% 1984, 20% avg. Quality, fair to good first crop; good to excellent second crop. Shade tobacco harvest in full swing. Blueberry, early sweet corn harvest underway. Maine potatoes good to excellent.

**NEW JERSEY:** Temperatures averaged 10 above normal. Extremes: 450; 940. Weekly rainfall averaged 1.17 in. north, 0.12 in. central, 1.57 in. south. Heaviest 24-hour total 2.48 in. on 8th to 9th. Estimated soil moisture, in percent of field capacity, averaged 69% north, 51% central, 71% south. Four inch soil temperatures averaged 700 north, 730 central, 760 south.

North, south received good rain but central district remains dry. Additional rain would be beneficial most areas. Summer vegetable supplies moderate to good. Blueberry marketings continued good to excellent. Peach, apple harvest continued light.

**NEW MEXICO:** Average temperatures well above normal mountains, north; near normal south. Temperatures 370 central valley, Highlands to 1010 southeastern Plains, southern desert. Little rain over mountains, west; traces over Plains. Precipitation none to 1.13 in. central valley, Highlands.

Days suitable for fieldwork 6.8. Soil moisture 73% short, 27% adequate. Hail damage 92% none, 8% light. Alfalfa 23% fair, 69% good, 8% excellent. Cotton 11% poor, 22% fair, 67% good; 80% squaring, 82% 1984, 80% avg.; 50% setting bolls, 45% 1984, 43% avg. Corn 18% fair, 55% good, 27% excellent. Barley 14% fair, 57% good, 29% excellent. Irrigated wheat 25% fair, 50% good, 25% excellent; 97% harvested. Dry wheat 34% poor, 33% fair, 33% excellent; 99% harvested. Irrigated sorghum 11% fair, 67% good, 22% excellent. Dry sorghum 33% fair, 67% good. Pecans 17% fair, 83% good. Apples 50% fair, 50% good. Chile 100% good. Onions 50% good, 50% excellent. Cattle 27% fair, 66% good, 7% excellent. Sheep 9% fair, 91% good. Range 17% poor, 58% fair, 25% good.

**NEW YORK:** Temperatures averaged near normal. Cool weather on 12th with lows in 40s. Rainfall varied widely, an inch or more from southwest State across southern tier to Catskills. Elsewhere amounts averaged between 0.25 and 0.50 in. Except in New York City, Long Island where rainfall was light.

Days suitable for fieldwork 5.0. Soil moisture short to adequate. Corn growing rapidly, oats heading out. Harvest of oats for silage underway. Wheat turning, near harvest. Alfalfa hay first cutting 81%, 89% 1984, 86% avg. Clover-timothy hay harvest 71%, 72% 1984, 74% avg. Tart cherry harvest began. Apples sizing well. Lettuce, sweet corn harvest continues. Pastures mostly fair.

**NORTH CAROLINA:** Temperatures near to slightly below normal over mountains, 1 to 30 above normal over remainder of State. Rainfall ranged from 0.01 to 4.23 in. across State.

Days suitable for fieldwork 5.7. Soil moisture 11% very short, 49% short, 38% adequate, 2% surplus. Tobacco 32% fair, 57% good, 11% excellent; harvested 4%, 5% 1984, 8% avg. Corn 10% poor, 46% fair, 39% good, 5% excellent; silked 95%, 72% 1984, 75% avg.; soft dough 59%, 30% 1984, 42% avg. Cotton 5% poor, 28% fair, 62% good, 5% excellent; squared 91%, 53% 1984, 70% avg.; bloomed 55%, 26% 1984, 28% avg. Peanuts 53% fair, 47% good. Soybeans 2% poor, 51% fair, 45% good, 2% excellent. Soybeans planted 100%, 98% 1984, 96% avg.; blooming 6%, 5% 1984, 7% avg. Hay 17% poor, 58% fair, 23% good, 2% excellent. Irish potatoes 16% poor, 16% fair, 64% good, 4% excellent. Sweetpotatoes 3% poor, 27% fair, 70% good. Apples 33% poor, 28% fair, 39% good. Pastures 22% poor, 59% fair, 17% good, 2% excellent. Major farm activities: Topping, suckering and spraying tobacco, getting ready for tobacco harvest, cultivating row crops, planting and spraying soybeans, spraying and harvesting vegetables, irrigating crops, scouting for weed and insect control, harvesting hay, and spraying apples.

**NORTH DAKOTA:** Hot, dry weather continued. Temperatures ranged from 10 above normal northeast to almost 90 above normal northwest. Extremes ranged from 440 Grand Forks to 1070 Fort Yates. About one-half of reporting stations had temperatures of 1000 or hotter. Rainfall amounts trace or less over most of State. Northeast, east central districts most rainfall. Hillsboro reported highest weekly total 0.30 in.

Fieldwork 7.0 days suitable. Topsoil moisture supplies dropped well below normal, subsoil also well below normal. Topsoil supplies 87% very short or short, 13% adequate. Subsoil supplies 57% very short or short, 43% adequate. Harvest of barley, winter wheat, rye started southern counties. Hard red spring wheat 3% poor, 27% fair, 55% good, 15% excellent. Progress at 60% milk-dough or beyond, 39% 1984, 37% avg. Durum 6% poor, 19% fair, 51% good, 24% excellent. Barley 3% poor, 16% fair, 63% good, 18% excellent. Oat 5% poor, 3% fair, 9% good, 3% excellent. Row crops in mostly good development about normal. Sunflower 19 in. avg. height; 22 in. 1984, 22 in. avg. Sunflower 5% poor, 30% fair, 63% good, 2% excellent. Corn 2% poor, 35% fair, 63% good. Moisture situation a major concern now for late season crops.

**OHIO:** Average temperatures low to mid 80's north, upper 80's south; range 60's to low 90's. Most areas above normal temperatures. Precipitation ranged 0.20 to 3.68 in. Rain at week's end.

Fieldwork: 5.0 days. Soil moisture 18% short, 79% adequate, 3% surplus. Winter wheat 2% fair, 68% good, 30% excellent; harvest 70%, 30% 1984, 40% avg. Yields high, test weights heavy. Corn 6% fair, 72% good, 22% excellent; corn silking 25%, none 1984, 15% avg. Insects under control, high temperatures may create pollination problems. Soybeans 23% fair, 70% good, 7% excellent; blooming 25%, 15% 1984, 15% avg. Oats good; 5% harvested, 1% 1984, 5% avg. All hay good; alfalfa first cutting essentially complete, 100% 1984, 100% avg. Alfalfa second cutting 50%, 30% 1984, 30% avg. Other hay first cut 98%, 95% 1984, 98% avg. Other hay second cutting 25%, 15% 1984, 15% avg. Fruit, vegetable harvests active statewide: Sweet corn, cabbage, tomatoes, green peppers, melons, raspberries, blueberries, blackberries, summer apples harvested.

**OKLAHOMA:** Temperatures averaged normal southeast to 40 above normal Panhandle. No precipitation to 7 of 9 districts; southeast 0.09 in.

Days suitable for fieldwork 6.6. Topsoil moisture 41% short, 54% adequate, 5% surplus. Subsoil moisture 4% short, 96% adequate. Wheat 100% harvested, 100% 1984, 95% avg. Nearly 80% of stubble plowed. Sorghum 30% fair, 70% good. Sorghum 10% heading, 5% 1984, 10% avg. Dry weather caused some stress. Grasshoppers damaged fields west. Cotton 20% fair, 80% good. Cotton 30% squaring, 10% 1984, 15% avg. Cotton 10% setting bolls, none 1984, 2% avg. Dry weather caused some stress. Hot, dry weather limited forage growth. Cattle weight gains slowed.

**OREGON:** Temperatures above normal all sections. Southeast recorded highs near or above 100°. Unseasonably dry. No precipitation most areas, exception isolated thunderstorms.

Soil moisture 80% short, 20% adequate. Winter wheat 2% poor, 70% fair, 28% good; 4% harvested, 1% 1984, 3% avg.; shriveled kernels reported in northeast. Barley 28% harvested, no grain harvested Willamette Valley, turning color rapidly. This region finished Crimson clover seed harvest, continued harvest of other grass seeds. Grass seed harvest started in central area. In east, first cutting neared completion; western area, some second cutting mostly completed. Malheur County field corn tasseling. Cherry harvest near completion Hood River, excellent quality, less than normal crop; picked freezer varieties at Dalles; Willamette Valley harvest neared completion; Union County harvest began, good quality fruit. Pears: Thinned Bartletts at Hood River, sprayed for psylla and codling moth; Medford crop looks good, some mite burns on Anjous. Apples: Thinned, sprayed at Hood River;

sprayed for leaf miner at Milton-Freewater. Peaches: Tree borers emerged at Milton-Freewater; harvest began on 10th Willamette Valley. Strawberry harvest completed. Picked raspberries, blueberries, boysenberries, marionberries. Filberts received worm sprays. Cranberry growers treated bogs for girdler moths. Vegetables developed well under irrigation. Sweet corn good condition. Green peas matured rapidly Umatilla County. Onions bulbing southeast, harvest started around Hermiston. Willamette Valley green bean harvest began, broccoli harvest continued. Eastern potato fields developed normally, frost damage fields a few weeks behind. Livestock mostly good. Cattle on high elevation or irrigated pastures. Low elevation, dryland pastures near dormant. Fire danger high; many range fires east. Some grasshopper hot spots.

**PENNSYLVANIA:** Average rainfall 1.41 in., 0.50 in. above normal. Average temperature 69°, 10 below normal.

Days suitable 4.0. Soil moisture 25% short, 61% adequate, 14% surplus. Corn 1% poor, 9% fair, 36% good, 54% excellent. Average corn height 42 in., 26 in. 1984. Soybean planting virtually complete, same as 1984. Soybeans 3% poor, 16% fair, 54% good, 27% excellent. Wheat 6% headed, 7% 1984; 23% turning yellow, 38% 1984; 52% ripe, 45% 1984; 19% harvested, 9% 1984; 3% poor, 20% fair, 34% good, 43% excellent. Oats 36% headed, 68% 1984; 45% turning yellow, 23% 1984; 17% ripe, 1% 1984; 2% harvested, none 1984. Oats 1% poor, 12% fair, 49% good, 38% excellent. Barley 9% turning yellow, 19% 1984; 20% ripe, 26% 1984; 71% harvested, 51% 1984. First cutting alfalfa 98% complete, 87% 1984. Second cutting alfalfa 41% complete, 26% 1984. First cutting clo-tim 87% complete, 78% 1984. Quality of hay 40% poor, 46% fair, 14% good. Feed from pasture 35% below avg., 59% avg., 6% above avg. Activities for the week: Harvest of hay, wheat, haylage, barley straw, sweet corn, tomatoes, snap beans, peas, Zucchini, onions, potatoes, Tart cherries and apples; spraying corn and potatoes; combining barley and oats.

**PUERTO RICO:** Island average rainfall 0.63 in., 0.58 in. below normal. Highest weekly total 3.59 in. Highest 24-hour total 2.26 in. Temperature averaged about 82 to 83° on coasts, 77 to 79° interior division. Mean station temperature ranged from 70 to 85°. Extremes 60°; 94°. Total rainfall 0.10 in. minus 0.95 in.

**SOUTH CAROLINA:** Hot, humid weather persisted across State. Highest readings midweek. Maximum temperatures upper 90's to 100°. Rainfall mostly latter week. Precipitation amounts highly localized. Hot weather, variable rainfall left many localities dry.

Days available for field activities 5.6. Soil moisture 16% very short, 73% short, 11% adequate. Soybeans 36% fair, 64% good. Soybeans blooming 11% 1985. Cotton 25% fair, 75% good; 100% squared; 80% setting bolls, 59% 1984, 70% avg. Tobacco good; 11% harvested, 17% 1984, 17% avg. Peaches fair; 70% harvested, 43% 1984, 50% avg. Tomato fair to good; 95% harvested, 93% 1984, 93% avg. Pastures fair. Hay crop fair to good.

**SOUTH DAKOTA:** Average temperatures ranged 2 to 100° above normal. Extremes: 42°; 110°. Precipitation widespread east but below normal, little or none west.

Days suitable for fieldwork 6.0. Topsoil moisture critically short western two-thirds, short eastern one-third. Small areas adequate southeast; 37% critically short, 48% short, 15% adequate. Corn 1% very poor, 2% poor, 20% fair, 62% good, 15% excellent. Corn 2% silked, none

1984, 3% avg. Winter wheat 1% very poor, 10% poor, 50% fair, 35% good, 4% excellent. Winter wheat 29% harvested, 5% 1984, 19% avg. Spring wheat 2% very poor, 12% poor, 3% fair, 47% good, 8% excellent. Spring wheat 100% headed, 94% 1984, 98% avg. Sorghum 6% very poor, 7% poor, 37% fair, 44% good, 6% excellent. Sorghum 1% headed, none 1984, none avg. Soybeans 8% fair, 75% good, 17% excellent. Soybeans 23% blooming, 10% 1984, 31% avg. Range, pastures good eastern one-third; fair to very poor central, west. Feed supplies short west, north central, south central. Stockwater supplies short west central, southwest; adequate elsewhere.

**TENNESSEE:** Subnormal rainfall except isolated areas 1.00 in. Temperatures averaged 2 to 40 above normal; highs ranged mid 90's except northeast highs mid 80's.

Days suitable for fieldwork 5.0. Soil moisture 32% short, 63% adequate, 5% surplus. Corn 75% tasseled, 40% 1984, 40% avg.; 25% dough, 5% 1984, 5% avg.; 12% fair, 58% good, 30% excellent. Cotton 85% squaring, 91% 1984, 85% avg.; 14% setting bolls, 10% 1984, 12% avg.; 12% fair, 63% good, 25% excellent. Sorghum 20% headed; 11% fair, 81% good, 8% excellent. Soybeans 15% blooming, 12% 1984, 12% avg.; 5% setting pods; 29% fair, 69% good, 2% excellent. Wheat 100% harvested, 97% 1984, 95% avg.; 7% poor, 26% fair, 62% good, 5% excellent. Alfalfa 95% 2nd cutting, 93% 1984, 90% avg. Tobacco 24% fair, 74% good, 2% excellent. Pasture 2% very poor, 6% poor, 33% fair, 53% good, 6% excellent.

**TEXAS:** Generally dry conditions prevailed throughout week; State wedged between upper level high pressure center southern Rockies and another center northern Gulf. Few storms northeast to Winter Garden develop briefly between two pressure systems. Rainfall below average High Plains into Trans-Pecos, eastward to Rolling Plains, northeast. Light amounts middle, upper coasts. Temperatures cooler than usual rain areas, drier locations normal to several degrees warmer than usual.

**Crops:** Grain sorghum 64% headed, 61% 1984, 66% avg.; 42% turning color, 52% 1984, 53% avg.; 20% mature, 37% 1984, 33% avg.; 10% harvested for grain, 26% 1984, 19% avg. Condition 87% of normal, 71% 1984. Sorghum 20% fair, 67% good, 13% excellent. Fields look good across State. Irrigation started High Plains. Fields started heading. Fields Low Plains, Cross-Timbers use additional moisture to fill out heads. Harvest scattered areas Blacklands. Some plants fallen over because dry conditions. Harvest underway South central. Harvest good pace Coastal Bend, Rio Grande Valley. Corn 78% silked, 61% doughing, 49% dented, 5% mature. Condition 87% of normal, 70% 1984. Corn 23% fair, 56% good, 21% excellent. Crop good progress across State. Irrigation steady Plains, fields continued tasseling. Other fields across State denting, drying down rapidly. Harvest about two to three weeks away many southern areas. Cotton 38% squaring, 63% 1984, 62% avg.; 14% setting bolls, 17% 1984, 19% avg.; 1% open bolls, 2% 1984, 3% avg. Condition 73% of normal, 72% 1984. Cotton 1% failure, 6% poor, 47% fair, 35% good, 11% excellent. Fields across Plains respondent to hotter, drier conditions, showing good progress. Some early planted fields blooming. Fields Low Plains look good, beginning to stress slightly. Bollworms increasing Blacklands. Treatment active. Many fields blooming also. Good development Central, South. Light harvest activities continued Rio Grande Valley. Wheat 100% harvested for grain, 7% 1984, 96% avg. Dry, open weather producers High Plains complete harvesting. Yields varied fair to excellent High

Plains. Rice 31% headed, 82% 1984, 84% avg.; 5% turning color, 33% 1984, 37% avg. Condition 90% of normal. Rice 14% fair, 64% good, 22% excellent. First fields cut along Upper Coast. Prospects high of good crop. Peanut fields made good progress. Most areas good stands, some spraying for leafspot. Other crops: Oats 97% harvested, 93% 1984, 94% avg. Soybeans 99% planted, 100% 1984, 95% avg. Sunflowers 100% planted, 98% 1984, 95% avg.

**Commercial Vegetables:** Rio Grande Valley, harvest okra continued. Most melon, vegetable harvest complete. Land preparation fall vegetables continued. Small citrus crop expected. Groves making good progress. San Antonio-Winter Garden, cabbage, cantaloup harvest continued. Onion harvest about complete. East, dry conditions hurt summer vegetables. Harvest continued peas, beans, melons, despite dry conditions. High Plains, onion, potato harvest continued. Potato yields low, prices also lower. Carrot planting complete. Other vegetables good progress. Trans-Pecos, cantaloup, cabbage harvest continued. Chile started setting fruit. Peach harvest continued. Quality affected by insect problems, brown rot. Pecans water and dough stages most areas. Trees could use rain to help fill nuts.

**Range and Livestock:** Range, pasture decline slightly drier areas. Second cutting hay slowed because slower forage growth. Livestock remaining good condition, showing good grain. Some movement livestock between pastures to rotate pastures. Good rain needed many areas State.

**UTAH:** Thunderstorm activity throughout week produced showers at half of reporting stations. Stations receiving precipitation, accumulations ranged from light to heavy in mountainous areas, generally light over rest of State. Temperatures averaged 80 above normal, ranging from 3 to 120 above.

Days suitable for fieldwork 6.0. Scattered showers helped dryland crops, most of State still short on moisture. Winter wheat, winter barley harvest just beginning. Winter wheat 14% ripe, 83% tuning color; barley 8% ripe, 60% turning; spring wheat 42% turning, 52% heading; oats 28% turning, 68% heading. Second crop alfalfa harvest just beginning. Average height corn 38 in. pear, peach crops fair; apples fair to poor. Apricot, Tart Cherry crop harvest full swing. Grasshoppers, weevil major pest problems. Higher elevation ranges still good. Lower ranges dry. Livestock good shape.

**VIRGINIA:** Hot humid days, warm muggy nights. Highs mid 90's, lows upper 50's to 60's. Average temperatures slightly above normal. Abnormally strong thunderstorms through period. Local thunderstorm damage from high winds, hail, small stream flooding.

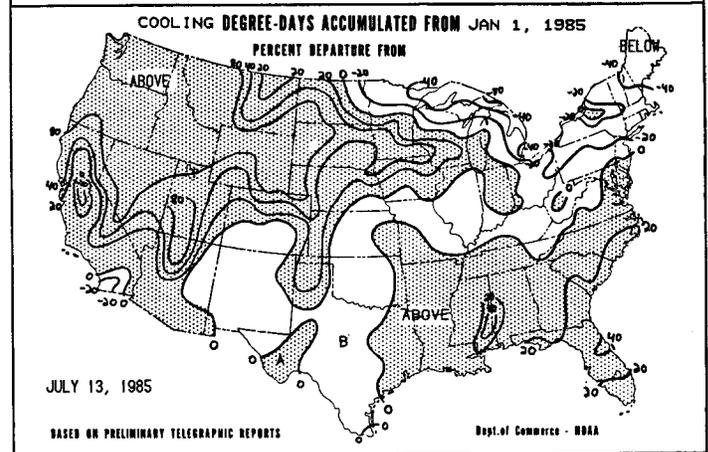
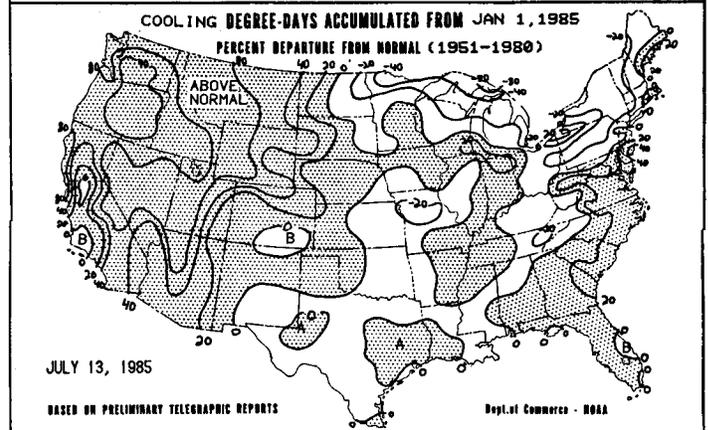
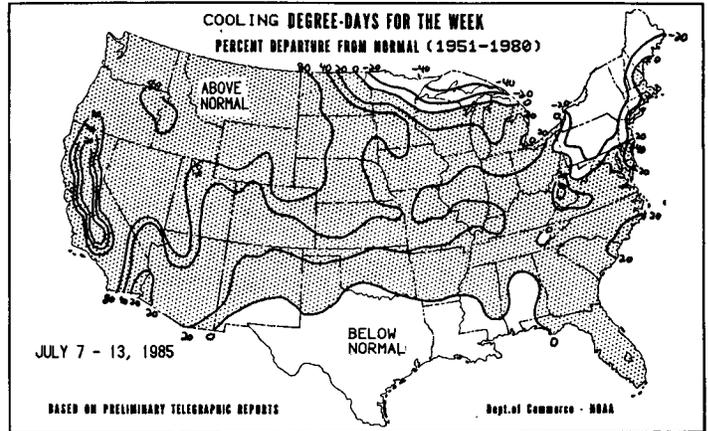
Days suitable for fieldwork averaged 4.9. Topsoil moisture 43% short, 51% adequate, 6% surplus. Crop condition vary by county from fair to excellent due to thunderstorm patterns. Corn mostly good. Corn 53% silk or beyond, 40% 1984, 53% avg. Corn 14% in dough stage or beyond, 9% 1983, 11% avg. Soybean mostly good, excellent near coast. Double crop planting almost complete. Peanuts mostly excellent, applying fungicides. Tobacco good to excellent. Sucker control, topping active on Flue-cured tobacco. Flue-cured tobacco harvest just getting started. Burley tobacco developing quickly. Barley harvest virtually complete. Wheat 94% harvested, 88% 1984, 93% avg. Oats 81% harvested, 82% 1984, 78% avg. Potato harvest 78% complete, 55% 1984, 63% avg. Apples fair. Pasture, hayland fair to good. Clipping pastures. Livestock good to excellent.

**WASHINGTON:** Upper level high pressure system dominated weather pattern over State. Hot, dry air remained over eastern half of State. Somewhat cooler but still dry air flowed over western half. Soil moisture 55% short, 45% fair, 5% adequate. Crop stress continued with hot, dry condition. Winter wheat 1% harvested, none 1984, 1% avg. Range, pasture 70% short, 30% adequate. Apricot, raspberry harvest underway.

**WEST VIRGINIA:** Temperatures averaged 1 to 60 above normal. Low 530 Greenbank; high 970 Williamson. Weekly average statewide 740. Heavy precipitation midweek. Least rainfall Beckley 0.52 in., most Terra Alta 5.12 in. Statewide average 1.83 in. Days worked 3.2. Soil moisture adequate to surplus. Harvesting hay, clipping pastures, general maintenance. Feed supplies adequate.

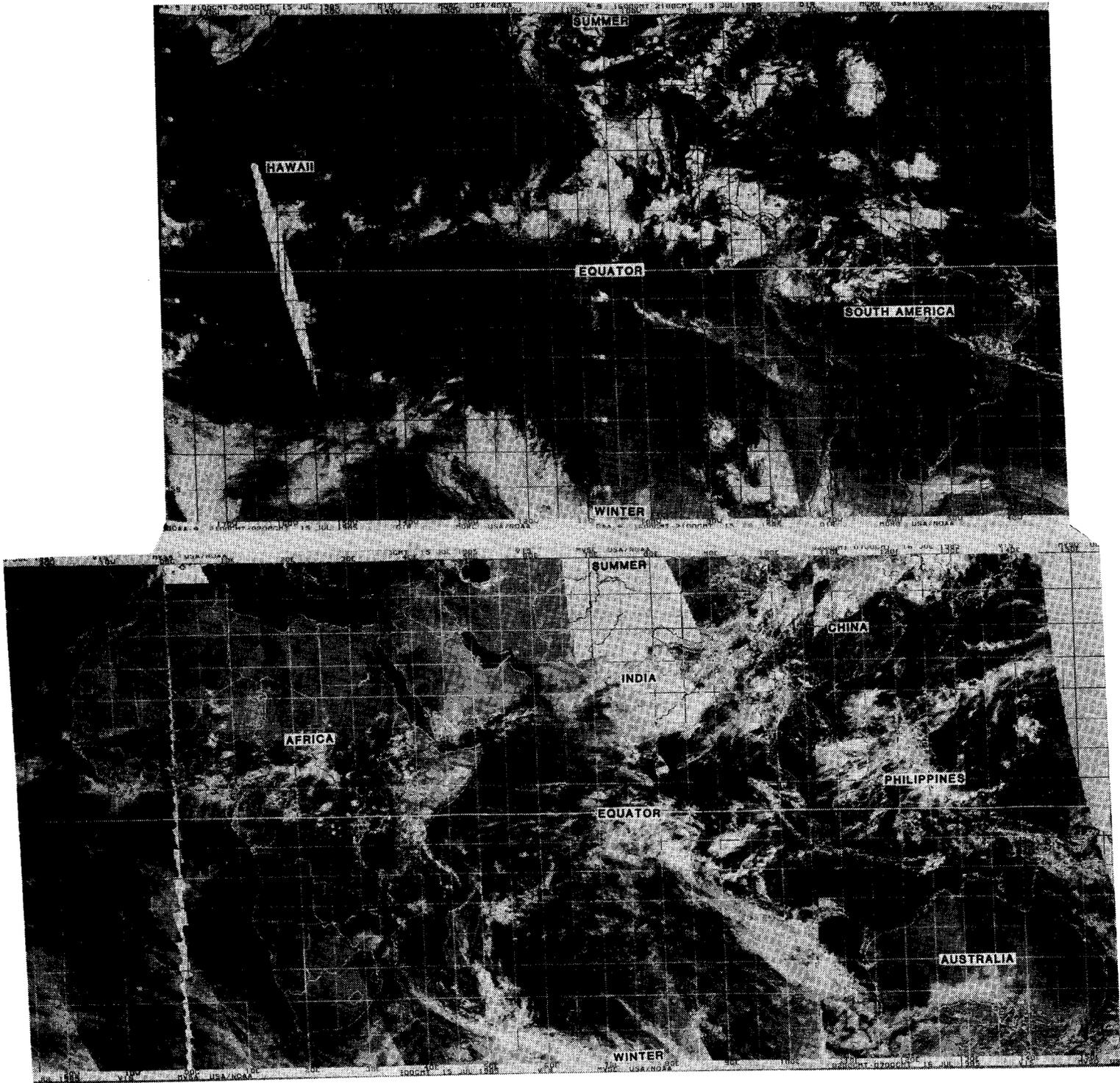
**WISCONSIN:** Average temperatures near normal. Very warm beginning, end of week, milder midweek. Precipitation 0.10 to 0.30 in. north, 0.10 to 0.30 in. central, 0.20 to 0.40 in. south. Rainfall very spotty. Days suitable 6.6. Soil moisture 72% short, 28% adequate. General crop condition, 8% poor, 52% fair, 37% good, 3% excellent. Corn 34% fair, 57% good, 9% excellent; height 46 in., 43 in. 1984, 44 in. avg.; silked 6%, 2% 1984, 3% avg. First cutting of hay 99% complete, 95% 1984, 98% avg. Second cutting of hay 28% complete, 10% 1984, 15% avg.; yields below average due to dry condition. Oats 92% headed, 85% 1984, 88% avg.; heads and straw short. Winter wheat harvest began southern growing areas. Hail damage to cherries, apples Door County on 8th. Hail, wind damage to crops west central, north central districts on 9th. Pasture 66% of normal, 82% 1984, 79% avg.

**WYOMING:** Temperatures above normal. Precipitation mostly below normal. Days suitable for fieldwork 7.0. Topsoil moisture 86% short, 14% adequate; 1984 75% short, 25% adequate. Subsoil moisture 83% short, 17% adequate; 1984 46% short, 54% adequate. Crops generally fair to good. Winter wheat 20% headed, 55% 1984; 55% turning color, 40% 1984; 15% mature, small amount 1984. Barley 20% not yet headed, 20% 1984; 45% headed, 75% 1984; 20% turning color, 5% 1984, 15% mature. Spring wheat 20% not yet headed, 25% 1984; 60% headed, 26% 1984, 60% avg.; 15% turning color, 10% 1984. Oats 25% not yet headed, 25% 1984; 60% headed, 65% 1984; 10% turning color, 10% 1984. First cutting alfalfa 75% complete, 70% 1984, 65% avg. Other hay 35% cut, 30% 1984, 20% avg. Dry beans 20% bloom. Potatoes 35% bloom. Ranges, pastures mostly poor. Stockwater 65% short, 1984 5% short.



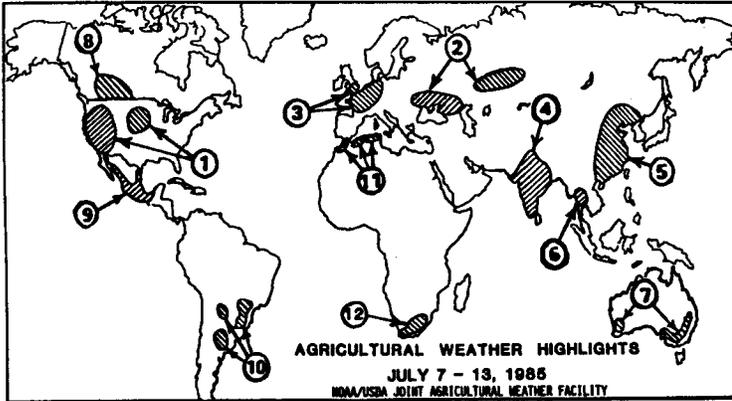
# GLOBAL WEATHER SATELLITE PHOTO

July 15 - 16, 1985



International Weather and Crop Summary

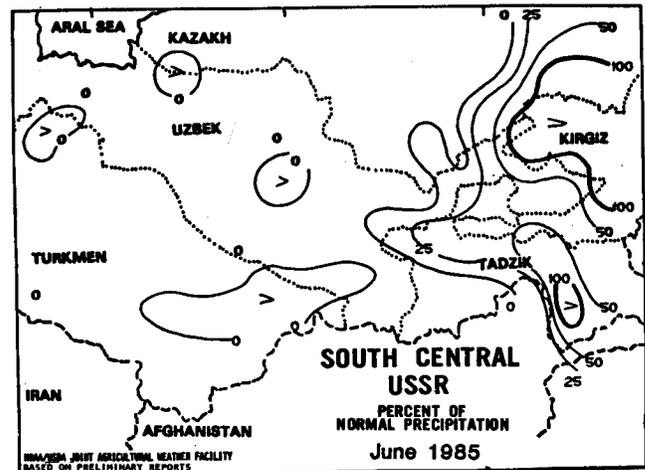
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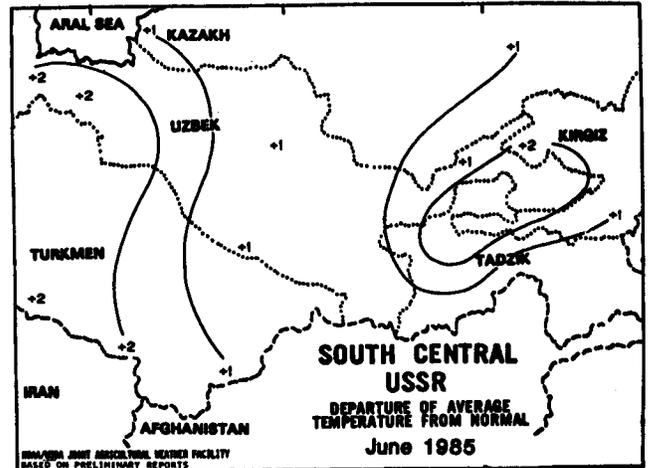
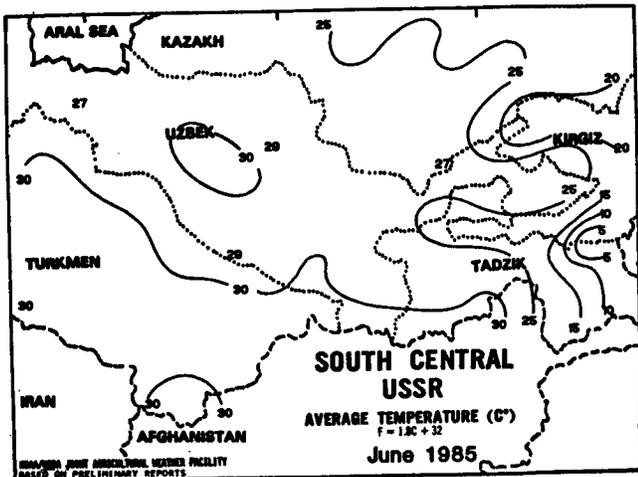
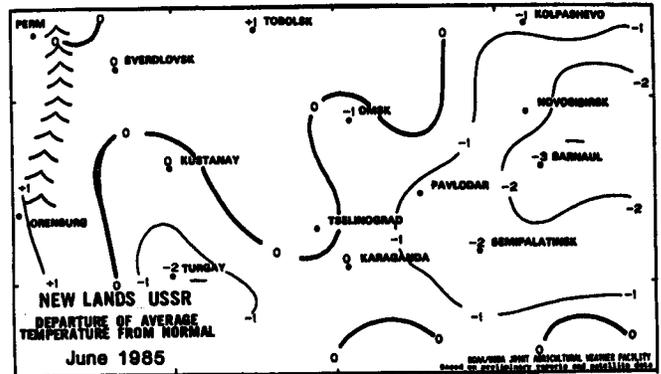
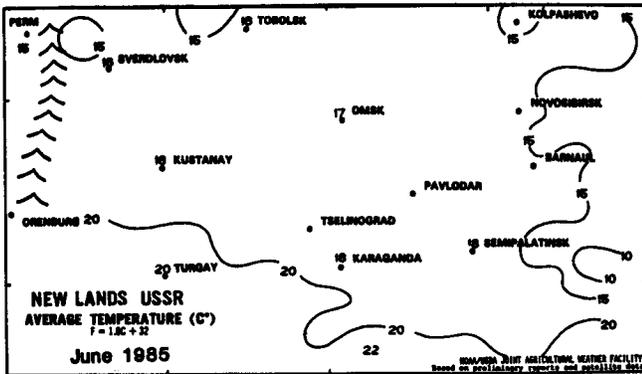
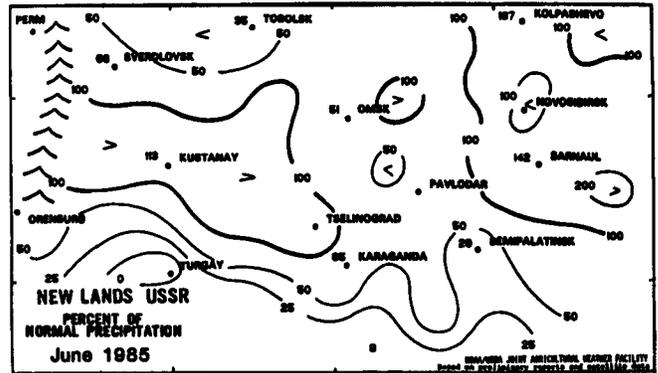
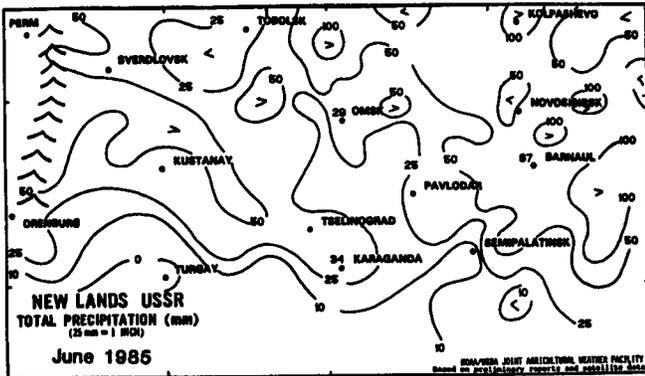
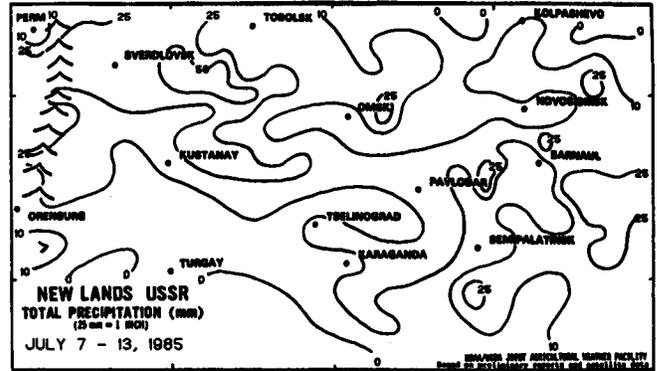
HIGHLIGHTS:

1. **UNITED STATES** ... Dryness intensifies over most of the Nation, and timely rain is needed, especially over the unusually hot western Corn Belt. Cooler temperatures and a few showers slightly diminish the western forest fires.
2. **USSR** ... Drier weather in southern winter wheat areas favors grain maturation and aids harvesting. In the New Lands, timely rain in central crop areas benefits spring grains entering the heading stage.

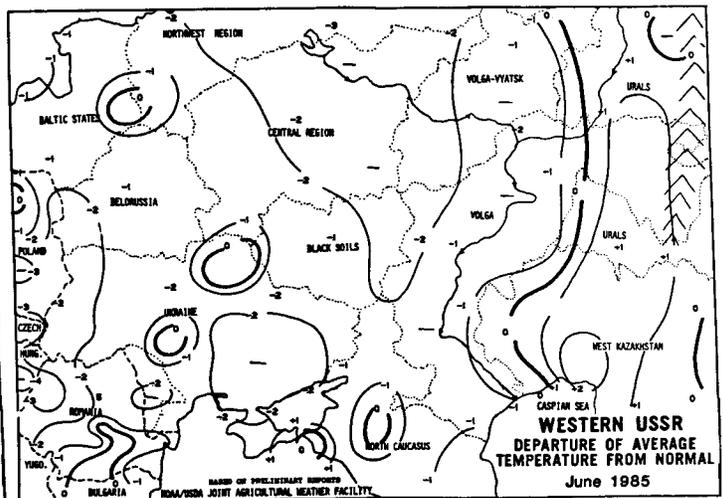
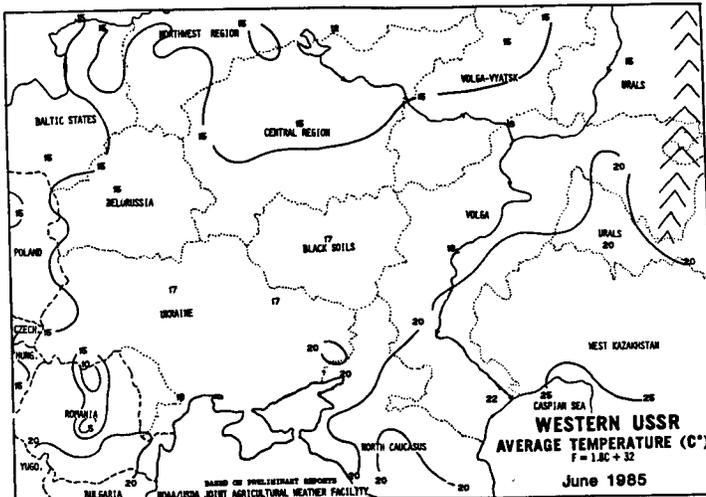
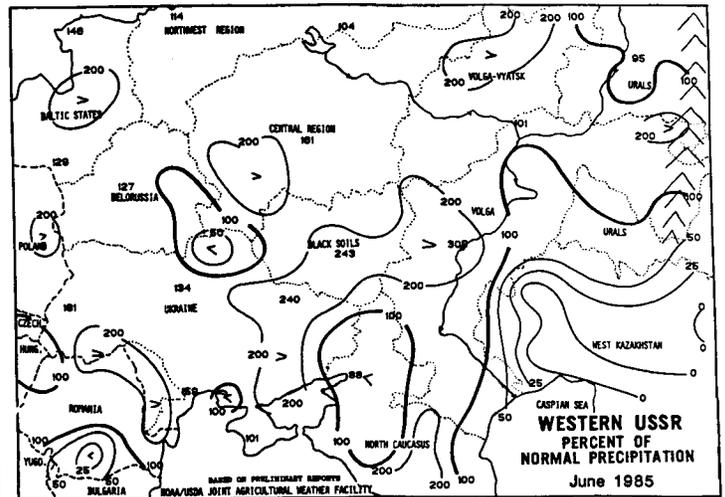
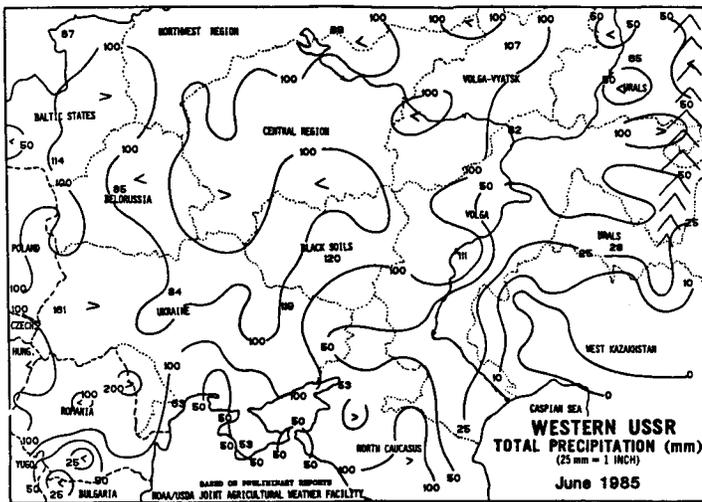
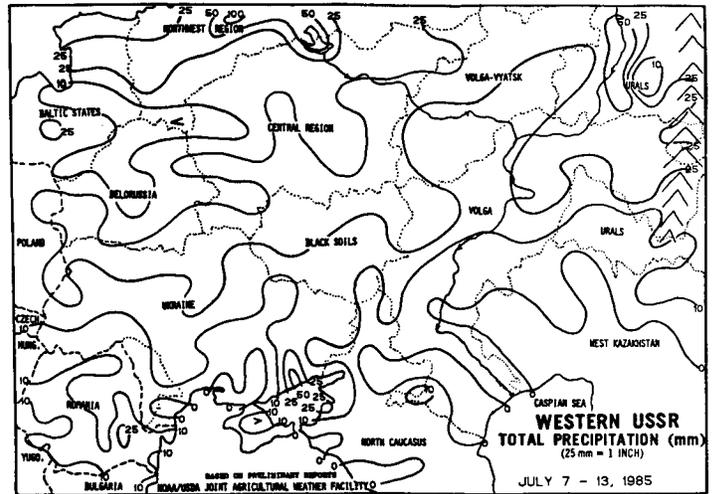
3. **EUROPE** ... Dry weather in England, France, and West Germany favors winter grain maturation.
4. **SOUTH ASIA** ... Relatively dry weather hampers cotton and groundnut planting. Moderate to heavy rain favors rice planting and early growth.
5. **EASTERN ASIA** ... Rain relieves persistent dryness in part of the North China Plain. Dry weather in the south is unfavorable for late rice in the vegetative stage.
6. **SOUTHEAST ASIA** ... Timely rain in Thailand's corn and rice areas benefits crop growth. Showers diminish over Luzon, Philippines.
7. **AUSTRALIA** ... Rain improves wheat conditions in the west and northeast, while persistent dry weather creates a poorly established crop in the southeast.
8. **CANADA** ... Light rain was insufficient to meet high crop moisture demands of heading wheat across the southern Prairies. Crops are severely stressed in southwestern Saskatchewan and southern Alberta. Favorable weather aided crop development in Manitoba.
9. **MEXICO** ... Rain decreases over most areas, allowing some wet spots to dry in the southern Plateau corn belt and favoring northeastern grain harvest.
10. **SOUTH AMERICA** ... Dry weather covered most crop areas of Brazil and Argentina. The weather favors fieldwork in Brazil, but dryness hampers wheat planting in Argentina.
11. **NORTHWESTERN AFRICA** ... Seasonably dry weather aids harvesting.
12. **SOUTH AFRICA** ... Near-normal June rainfall benefits wheat nearing the heading stage in the southwestern Cape Province.



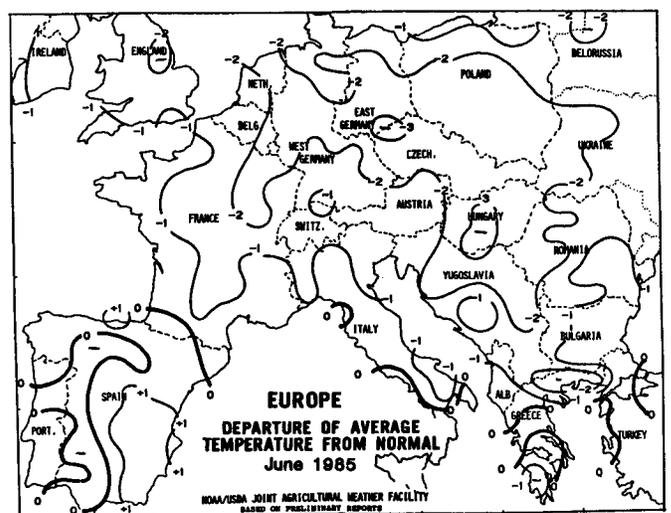
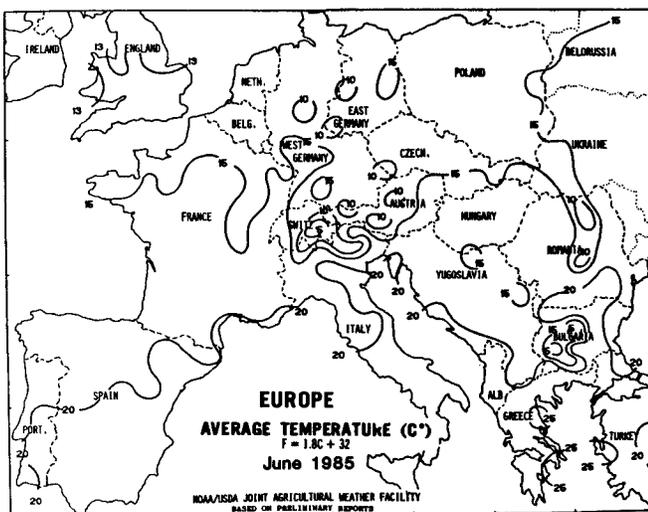
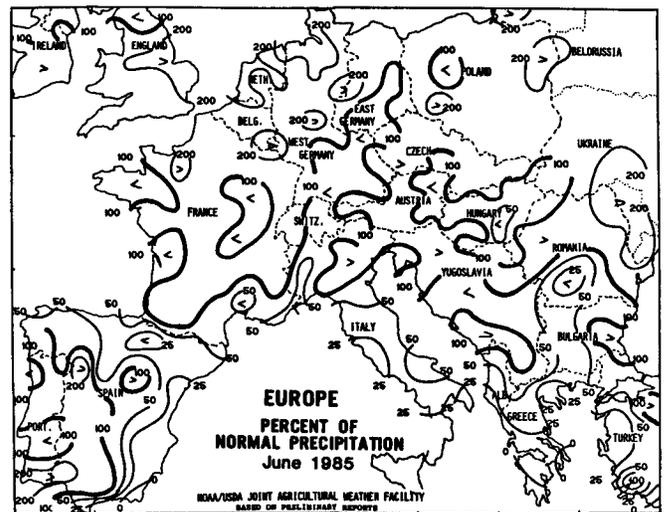
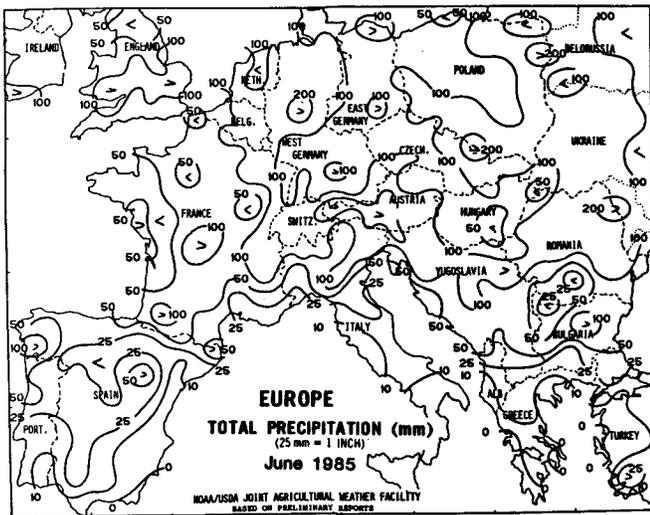
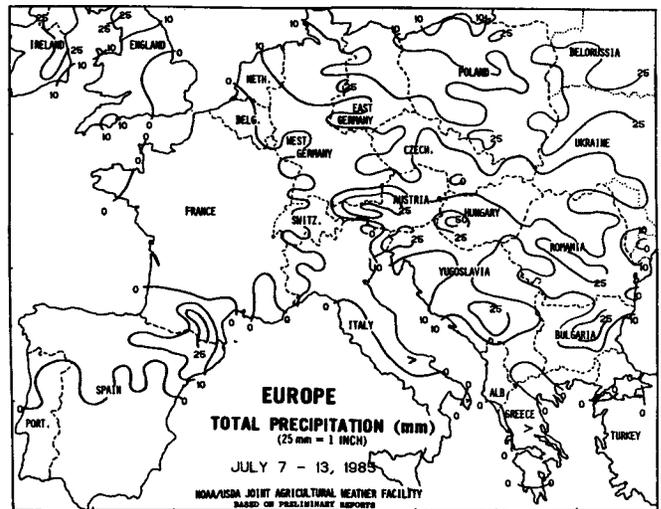
**New Lands...** Weather patterns turned highly favorable for crop growth. More than half of the spring wheat areas received precipitation in excess of 10mm. Temperatures were near normal in the west and continued below normal in the east. The rain in central crop areas was very timely, improving moisture conditions for spring grains entering the critical heading stage. In June, precipitation was below normal, except for crop areas around Kustanay, Novosibirsk, and Barnaul where above-normal rains occurred. By late June, hot weather edged northward into the southern Urals and parts of central Kazakhstan, reducing yield prospects for spring grains in the heading stage. Near- to below-normal temperatures in central crop areas lowered potential stress conditions. Soil moisture is abundant in eastern areas, but warm weather is needed to enhance crop growth.



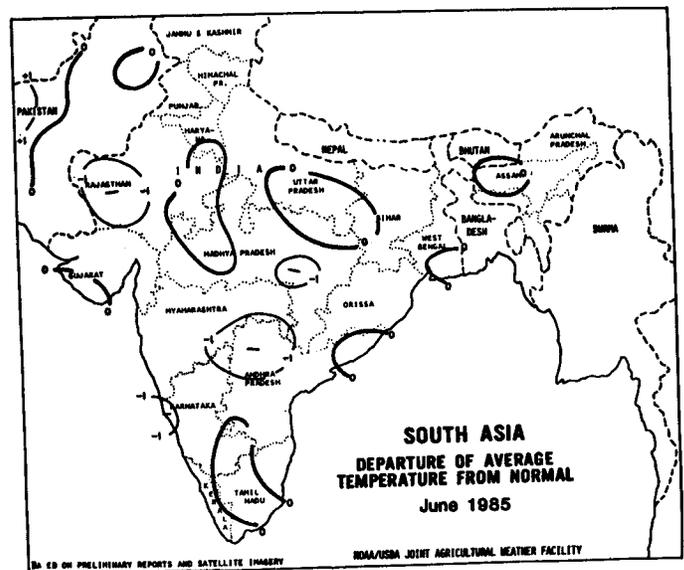
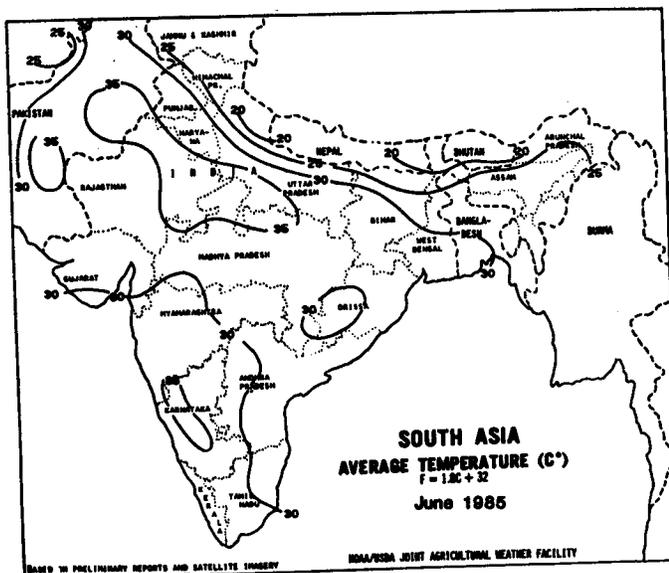
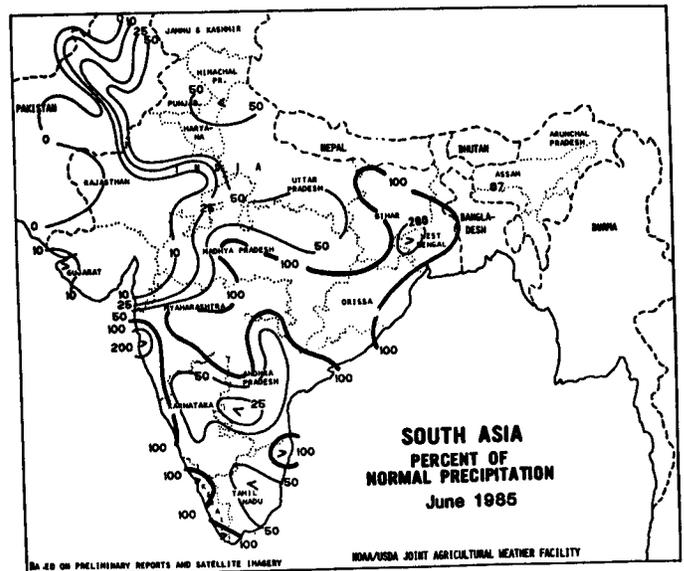
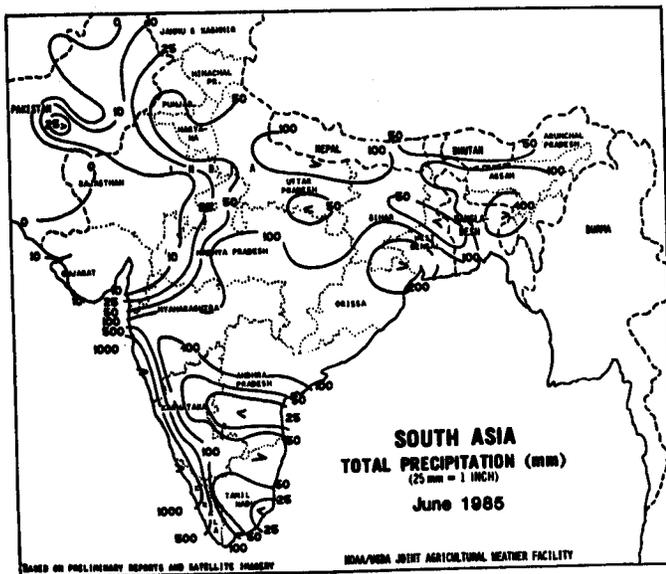
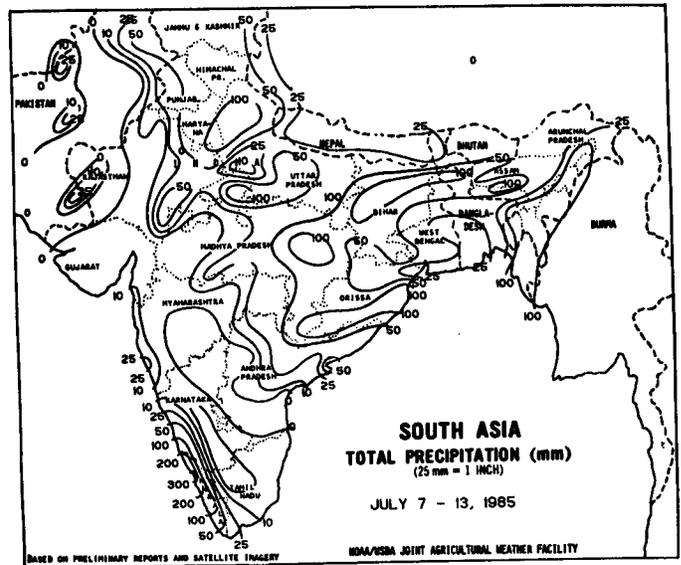
**WESTERN USSR...** Drier weather relieved wetness in southern grain areas. Several days of sunshine benefited winter wheat maturation and aided harvesting. Soil moisture is abundant in most southern areas for spring grains in the filling stage and corn in the vegetative stage. Wet weather (around 25mm) in central and northern crop areas benefited winter grains in the filling stage and spring grains in the reproductive stage. In June, most Western USSR crop areas received above-normal precipitation, except for areas in the central North Caucasus where rainfall was slightly less than normal. Heavy downpours in the southwestern Ukraine and parts of the Central Region produced localized flooding and lodged crops. Overall, the rain benefited crops in most areas. Below-normal June temperatures slowed plant growth, especially for summer crops such as corn.



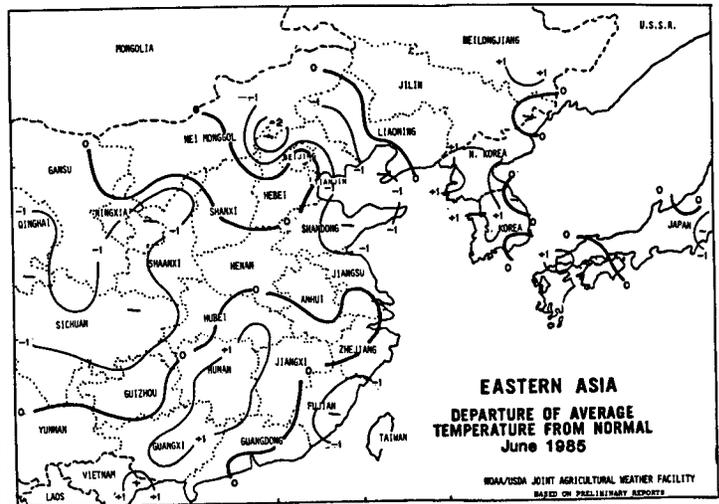
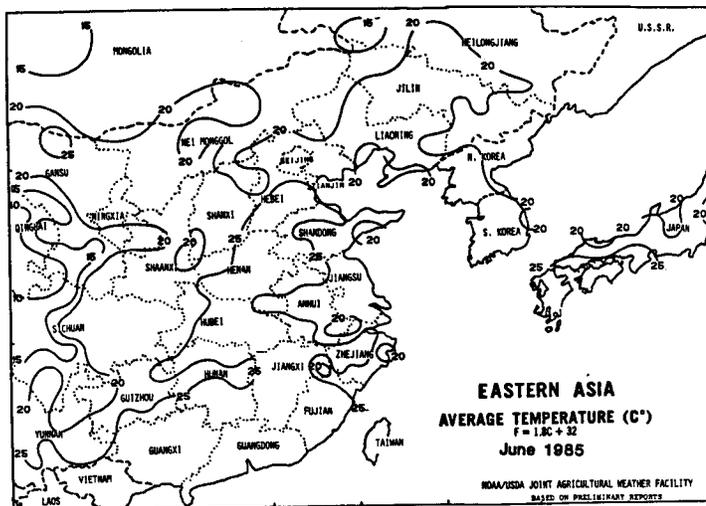
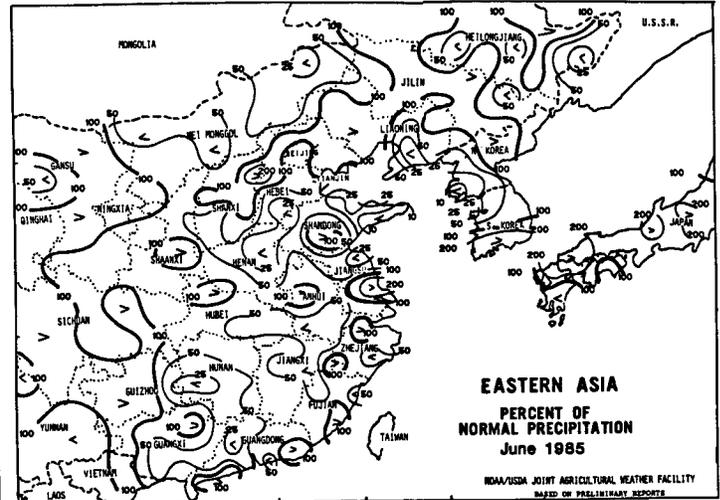
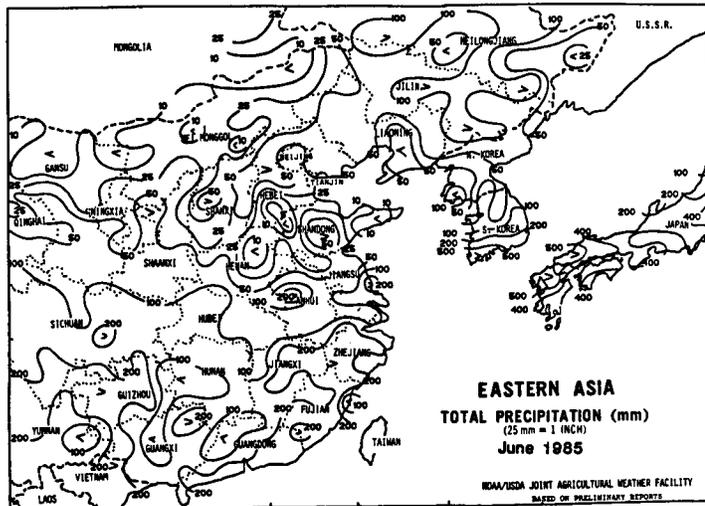
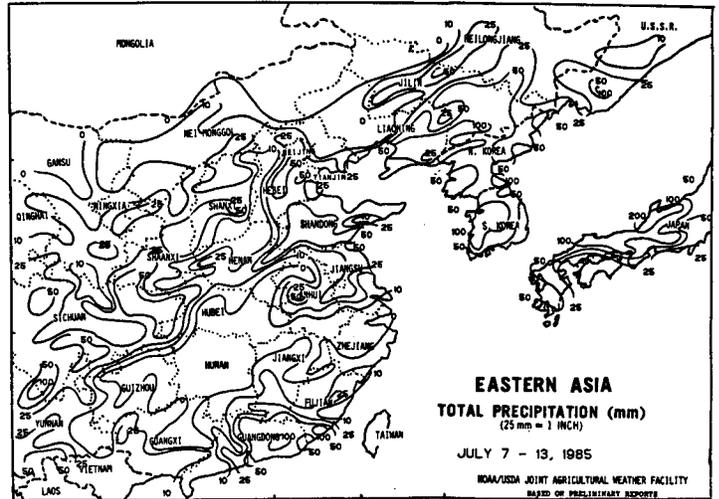
EUROPE...Dry weather covered most of western Europe, aiding the winter grain harvest in Spain, and favoring winter grain maturation in England, France, and West Germany. Light showers maintained favorable moisture conditions for crops in Poland, Czechoslovakia, and Hungary. In June, unseasonably cool, wet weather covered western and northern crop areas. Although the cool weather slowed plant growth, the wet weather provided abundant soil moisture. Crop areas in southeastern Romania received beneficial showers (50-100mm). The rain came too late for winter grains but was beneficial for summer crops such as corn. The weather in Mediterranean crop areas was mostly favorable for harvesting.



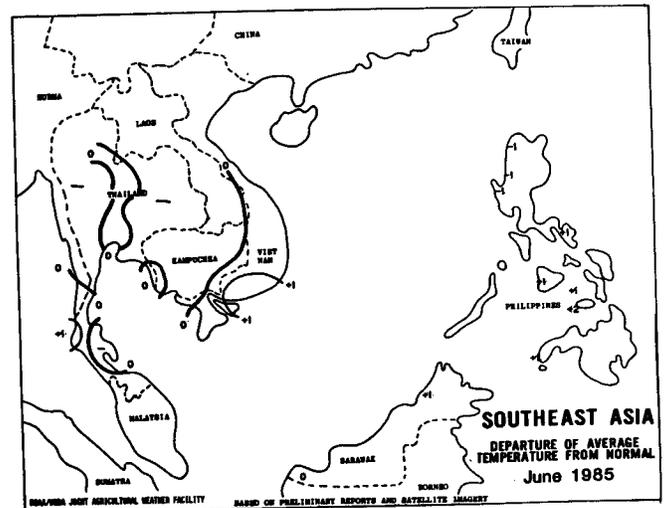
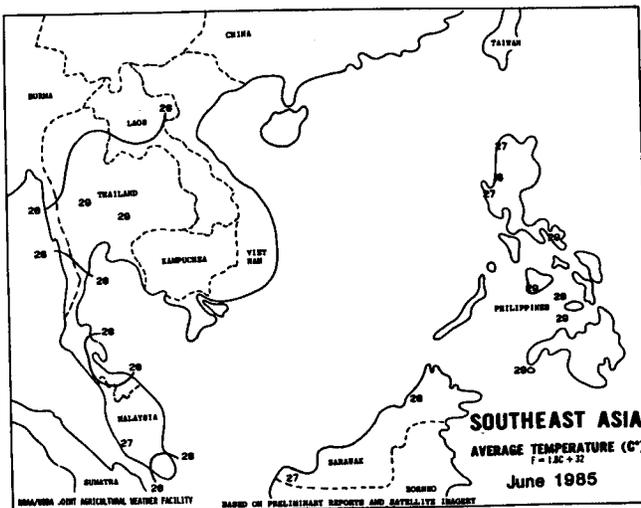
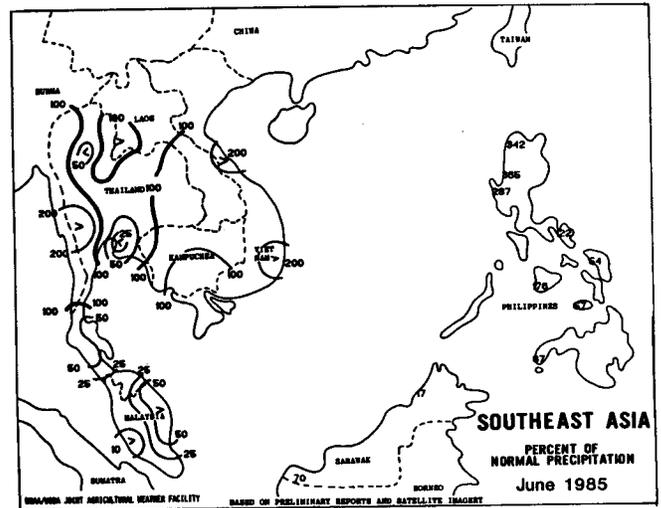
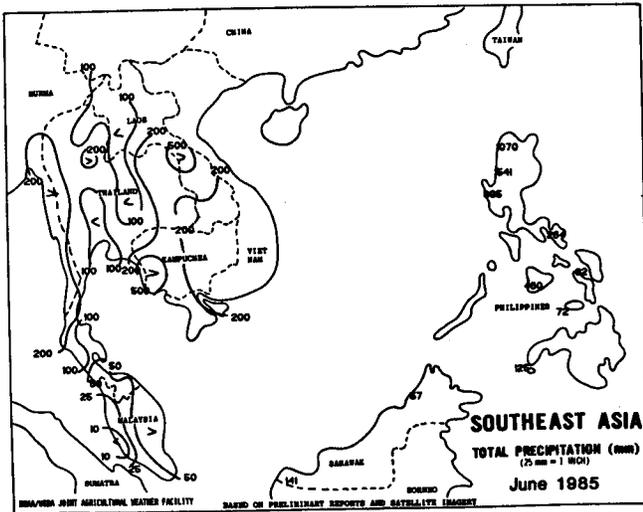
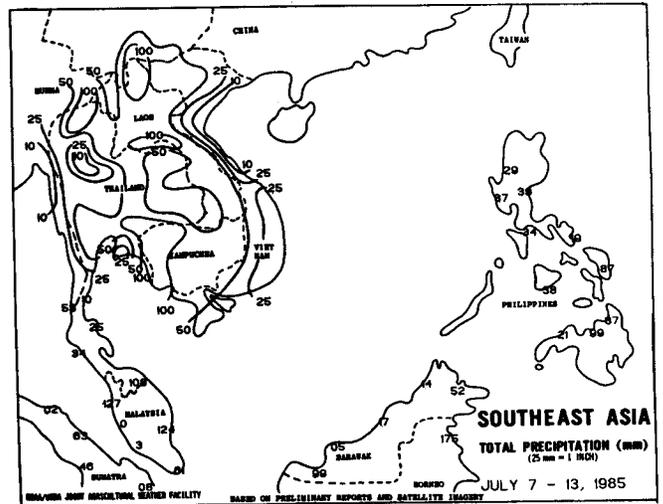
**SOUTH ASIA...** Monsoon rain began near the normal onset date in early June. However, monsoon activity became sporadic in mid-June and improved late in the month. Consequently, much of the region received below-normal June rainfall. Inundating rainfall along the west coast in late June damaged autumn rice, and some areas may have been replanted. Variable rainfall from Maharashtra southward has slowed cotton and groundnut planting. Very little rainfall has restricted early planting in major cotton and groundnut areas of Gujarat and western Madhya Pradesh. Increased precipitation in late June and early July in most rice areas benefited planting and early growth of autumn and winter rice.



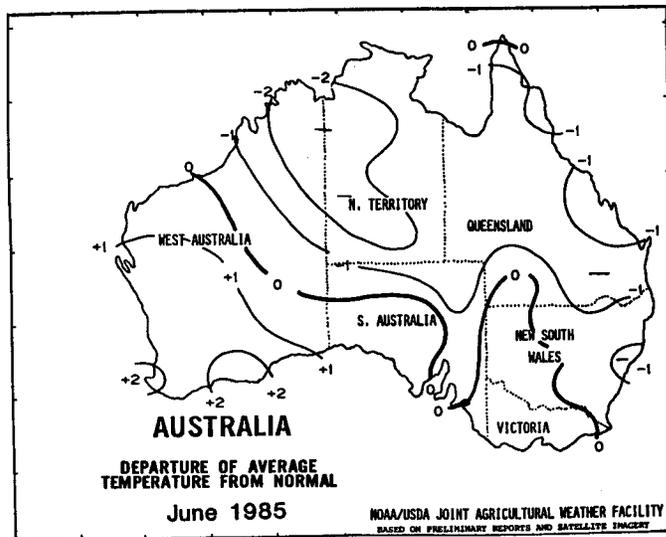
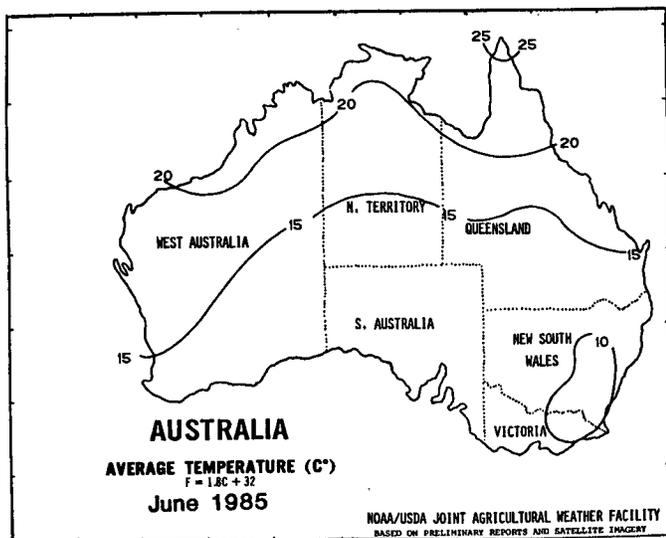
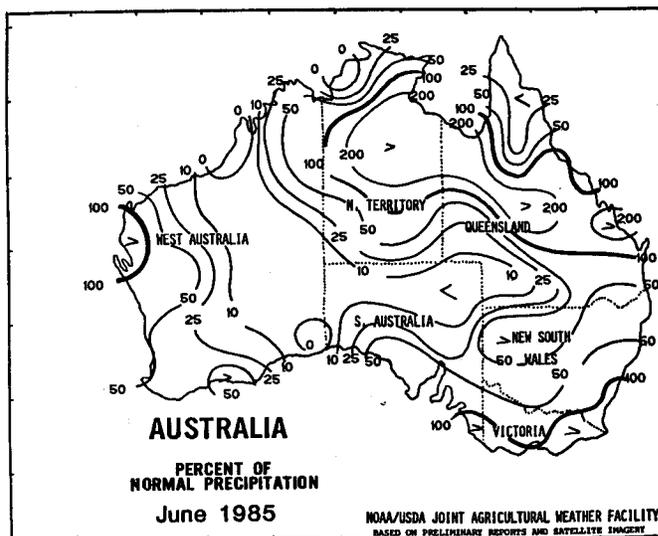
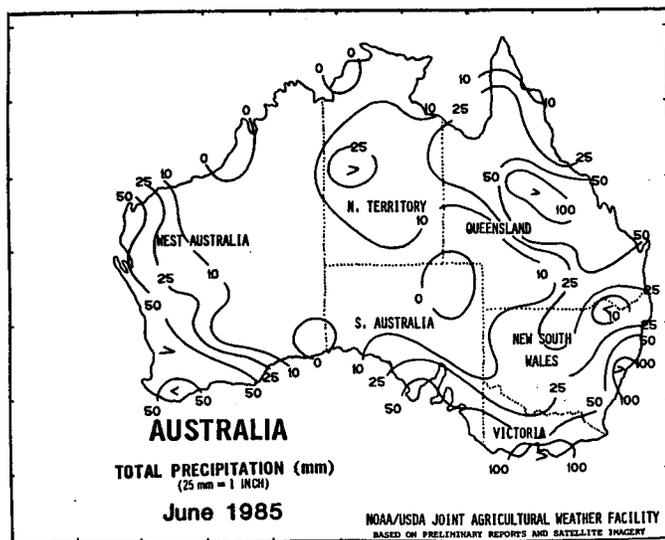
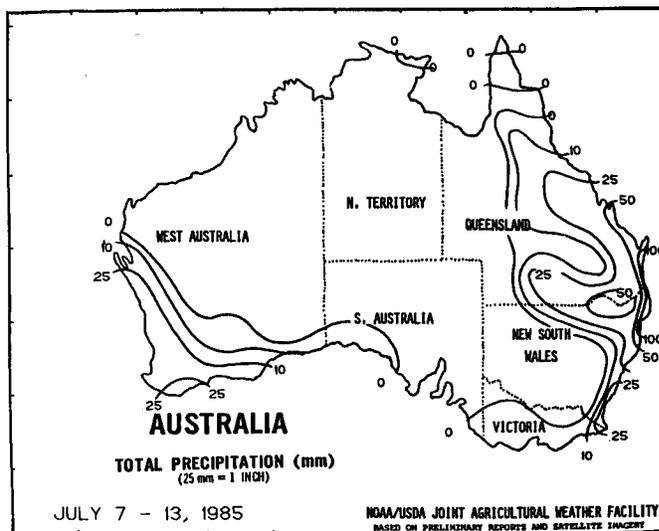
**EASTERN ASIA...** June rainfall was below-normal in most of China's agricultural regions. Persistent dryness during winter in the North China Plain benefited winter wheat harvesting but was unfavorable for nonirrigated cotton, early corn, and early soybeans entering the reproductive stages. Recent rainfall favored summer crops in Hebei and Shandong. Dry weather in southern China favored maturing early rice but more rain is needed for intermediate rice, and late rice in the heading and vegetative stages, respectively. In late June, Typhoon Hai may have damaged some early rice in the filling and maturing stages along the southern coast. June's dry weather in Liaoning and Heilongjiang was unfavorable for spring wheat in the heading stage and corn and soybeans entering reproduction. Increased rainfall in early July has improved prospects for northeastern corn and soybeans. Extremely heavy rain in late June in southern South Korea and Japan likely damaged rice in the vegetative stage.



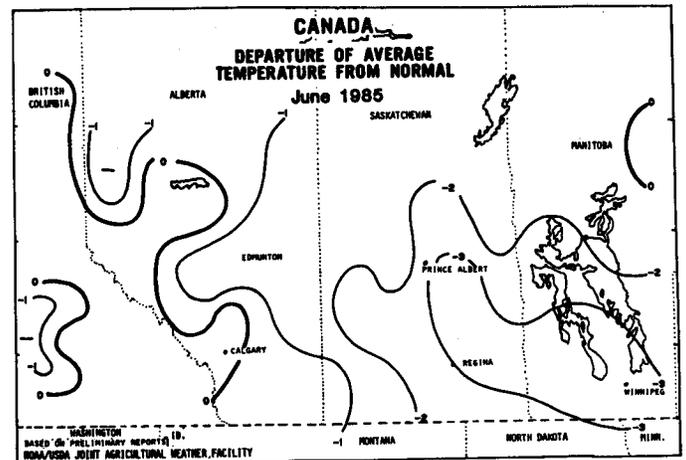
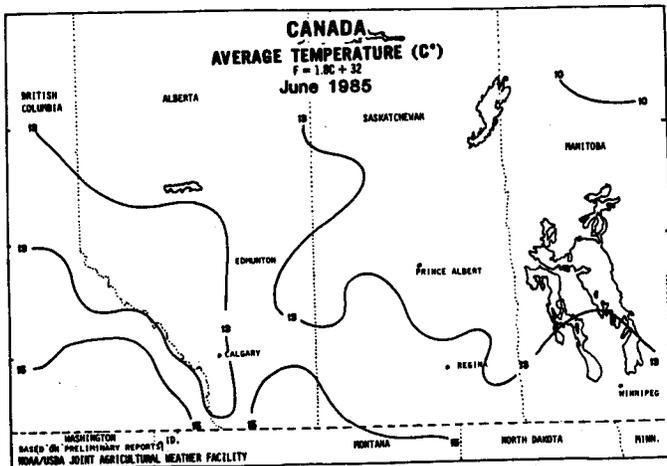
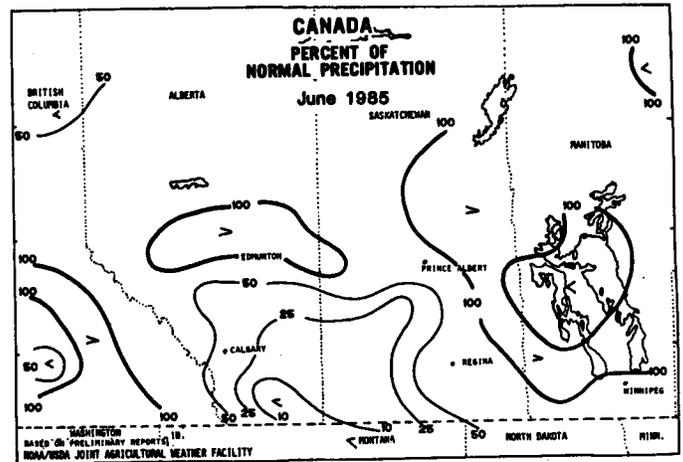
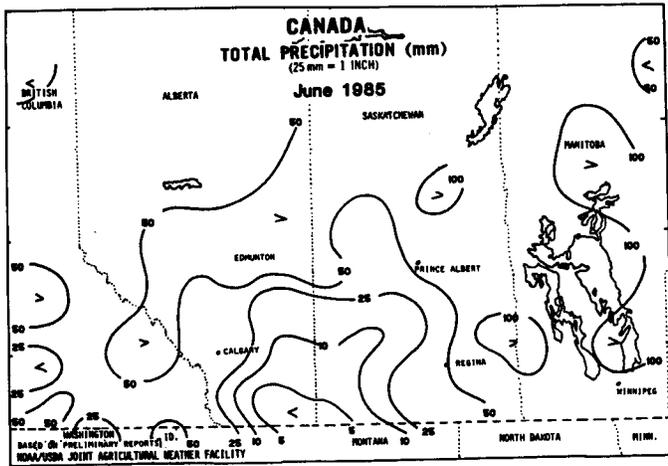
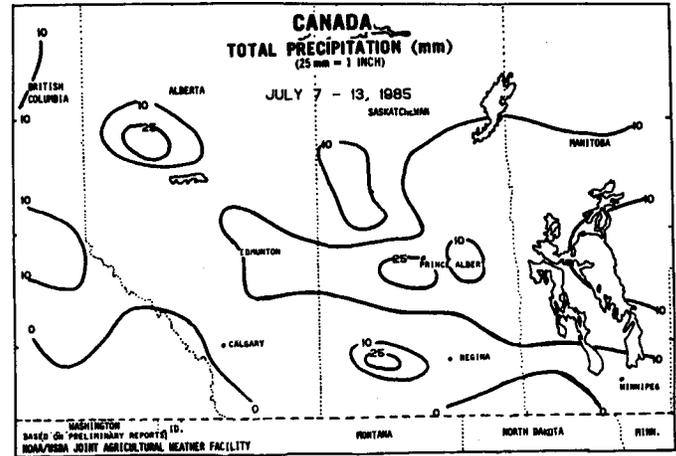
**SOUTHEAST ASIA...** Timely rain (30-80mm) fell over Thailand's corn and rice areas, especially benefiting rainfed crops which are approaching reproduction. June rainfall was generally below average across most of Thailand, except in the extreme east and northeast where seasonal rain fell. Rainfall in south-central corn and rice areas ranged 50-70 percent of normal, lowering moisture supplies for crop development. The recent rain in these areas improved growth conditions. June rainfall was near to above average over most of Laos, Vietnam, and western Kampuchea, based on limited surface data. However, monthly amounts were below average over eastern Kampuchea, extreme southern Vietnam, peninsular Thailand, and Malaysia. June typhoons brought much above-normal rain to Luzon, Philippines. Showers diminished over Luzon recently as tropical activity shifted southward over the Philippines.



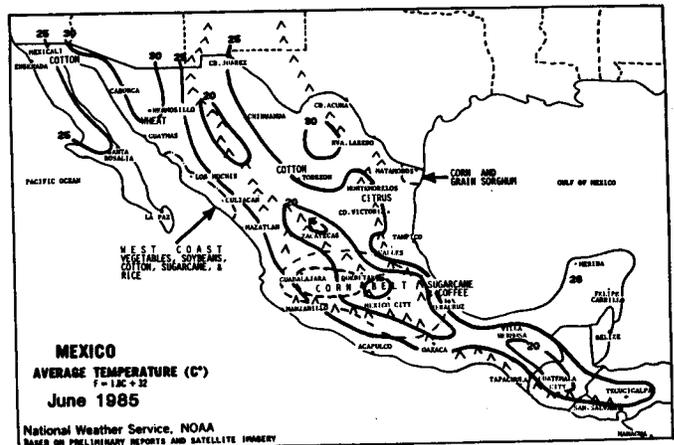
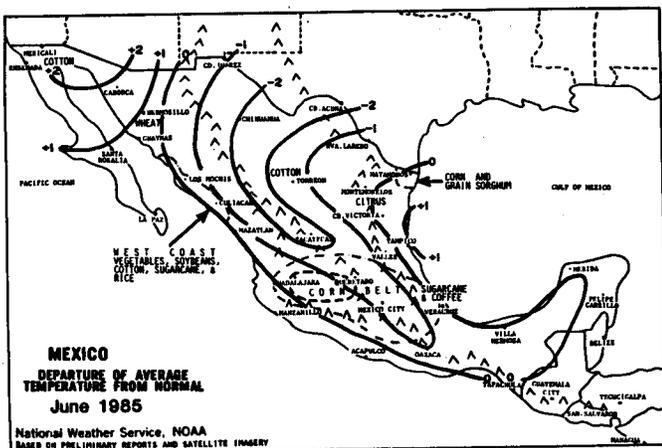
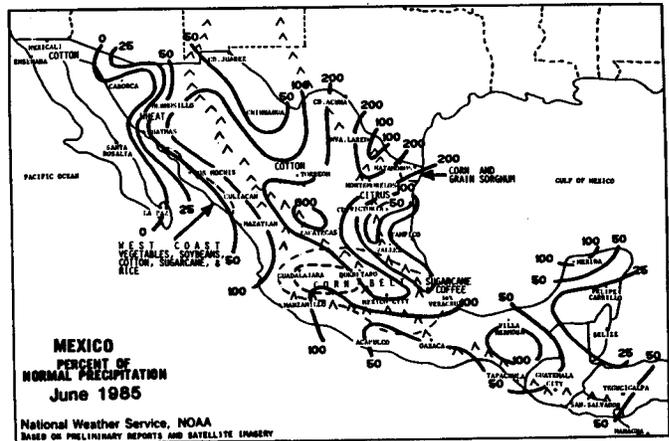
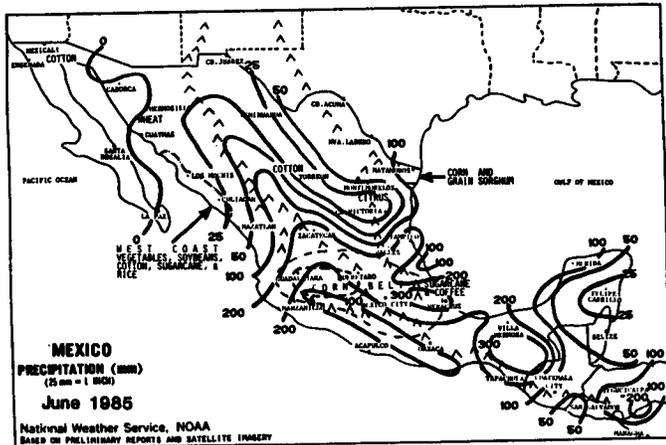
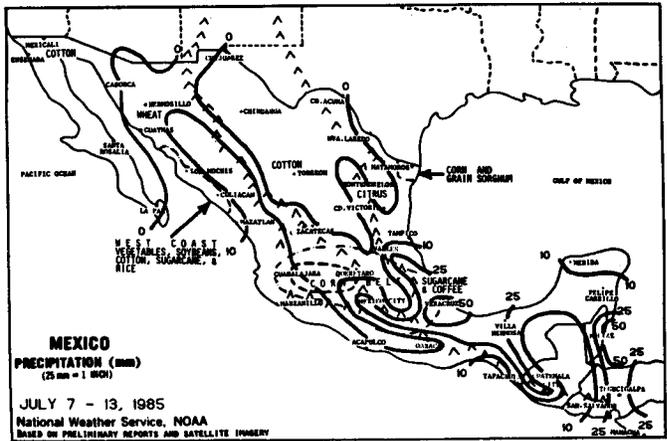
**AUSTRALIA...**Very beneficial rain fell early in the week in wheat areas of Queensland and northern New South Wales. Moderate to heavy rain (25-100mm) supplied moisture in the northeast to complete wheat planting and to establish the crop. Earlier planting delays occurred across the wheat belt as June precipitation fell far below-normal. Rain during the first week of June stimulated wheat planting, but ensuing dry weather halted planting and was unfavorable for crop establishment. Dry weather has persisted since early June in most of South Australia, Victoria, and southern New South Wales where more rain is needed for early growth. Recent moderate rain (10-40mm) in Western Australia benefited wheat following below-normal June rainfall. Timely growing season rainfall can improve prospects for late planted wheat as it did last season when beneficial rain began in mid-July.



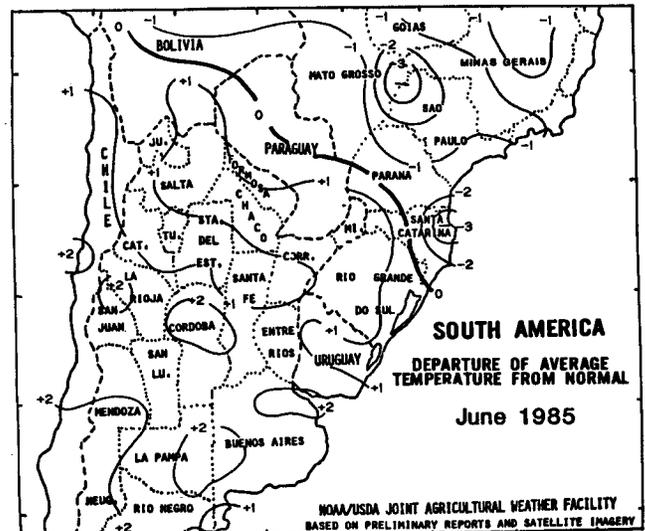
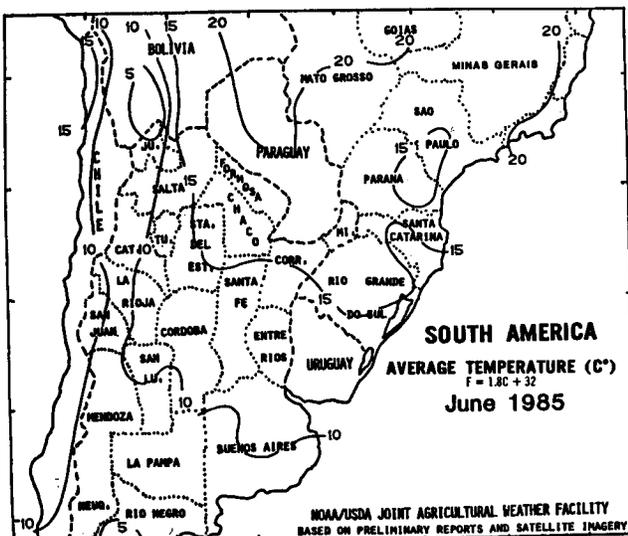
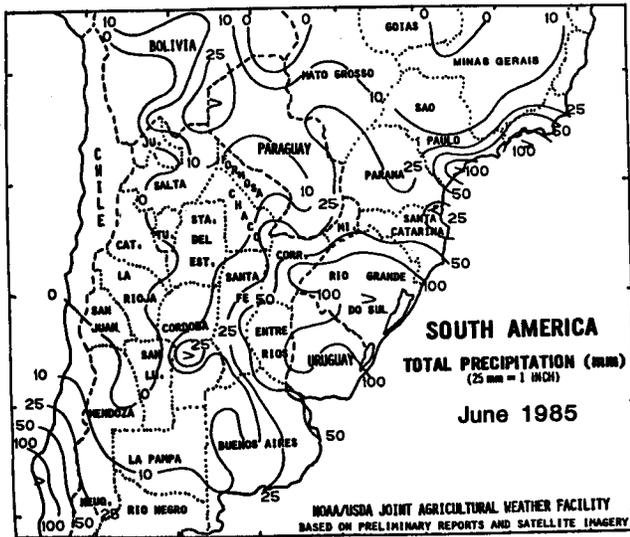
**CANADA...**Light showers (less than 10mm) fell over southern portions of the Prairie grain belt, while more substantial showers (10-30mm) fell in most northern crop areas and in an isolated area of south-central Saskatchewan. The light rain in the south was insufficient to meet high moisture needs of grains and oilseeds, which are advancing through heading and flowering. Crops are becoming severely stressed in southwestern Saskatchewan and southern Alberta, where June rainfall was less than 50 percent of normal. June rainfall was generally near normal in the east and in some northern crop areas of Alberta, while cool June temperatures slowed crop development across the Prairies. Recent warmer weather promoted favorable growth in the east but hastened crop deterioration in the moisture-depleted west. In Saskatchewan, the leading spring wheat producing province, wheat was 40 percent headed compared with 52 percent last year at this time. Rapeseed was about 60 percent flowering.

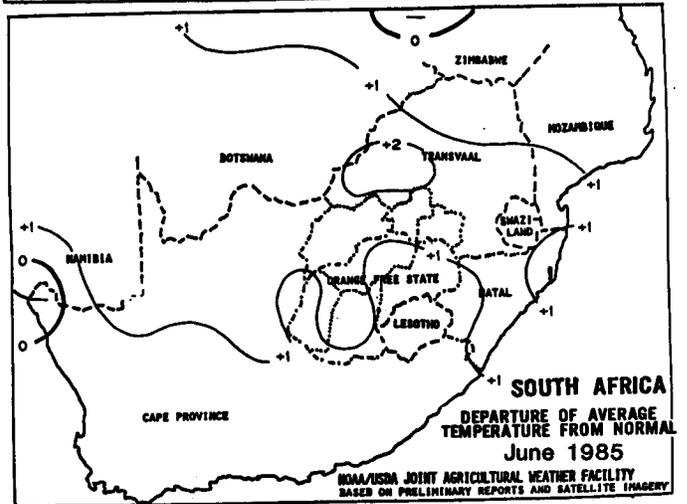
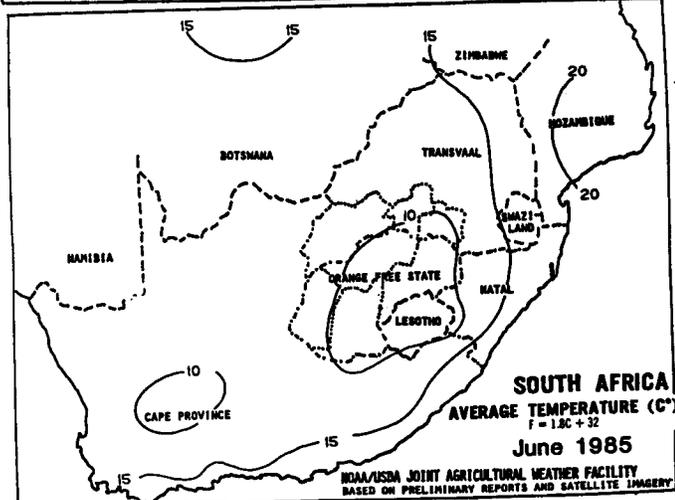
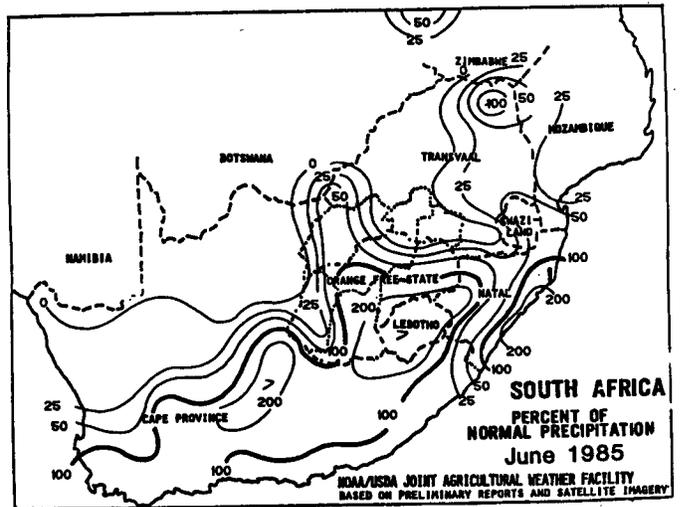
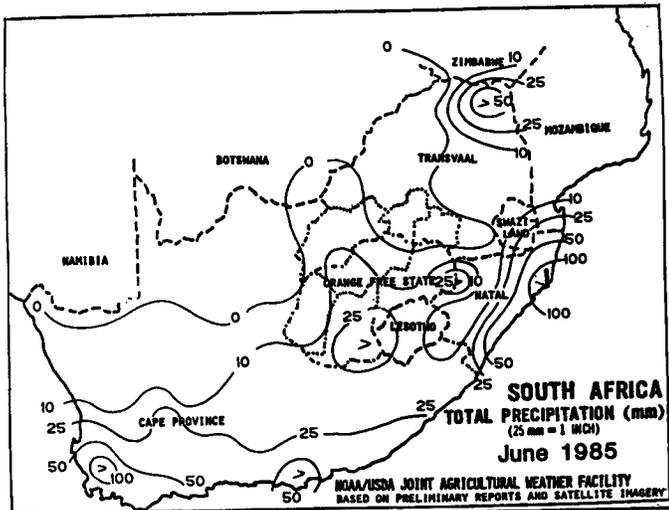
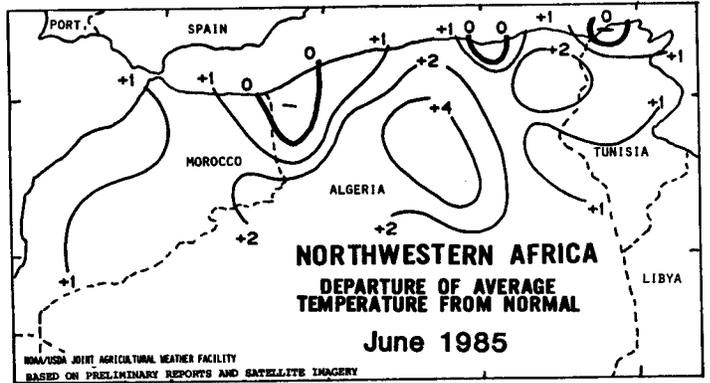
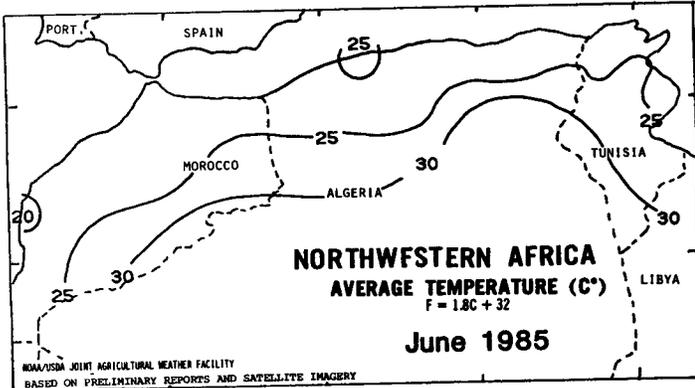
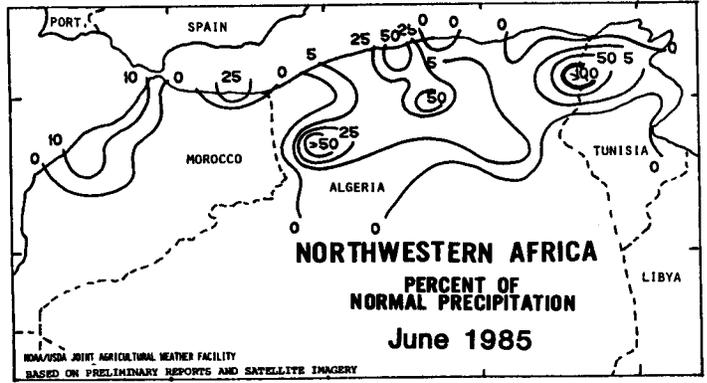
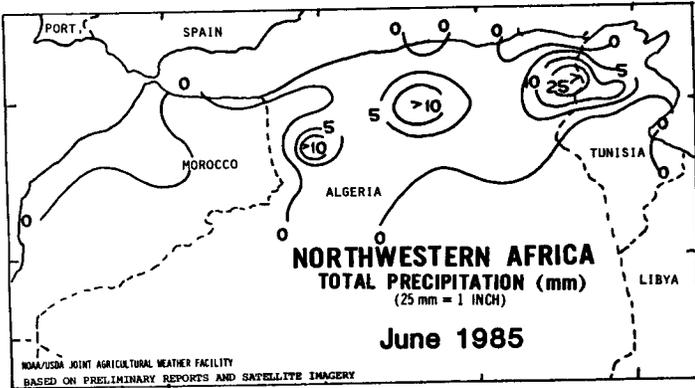


**MEXICO**...Only light rain fell over the southern Plateau corn belt, allowing wet spots to dry some but still maintaining adequate moisture over most sections. Grain sorghum and corn harvesting in the northeast were favored by a drying trend. Showers were scattered across the northwestern mountain watersheds, but amounts continued lighter than normal. Seasonal hot, dry weather dominated the north central and upper northwest.



**SOUTH AMERICA...** Mostly dry weather covered crop areas of Brazil and Argentina. In Argentina, below-average June rainfall in most wheat areas caused inadequate topsoil moisture for crop planting. The planting season can extend into August. Monthly rainfall was less than 50 percent of normal in Buenos Aires, northeastern La Pampa, southern Cordoba, and Santa Fe. June temperatures averaged somewhat above normal. The limited moisture has likely delayed some wheat planting and hampered establishment of the early-sown crop. In Brazil, drier weather during the week in the south helped alleviate wet field conditions. Cool air moved into the region with subfreezing temperatures reaching into central Parana. However, no frost occurred in the coffee areas where harvesting is underway. June rainfall was below average in most areas, benefiting field work and early wheat establishment following the previous month's wet weather. Early July showers in Parana aided wheat growth.





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