

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

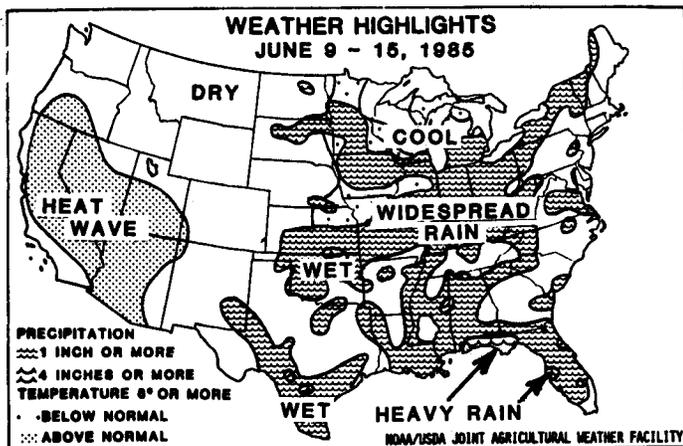
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June 18, 1985

National Weather Summary

June 9 - 15



HIGHLIGHTS: Showers and thunderstorms covered nearly all of the Nation east of the Rockies, but little or no rain fell in the West. Showers were very light in most of the High Plains, but a little further east moderate showers were beneficial. Heavy showers were accompanied by severe weather from western Oklahoma and southern Kansas northeastward to the lower Great Lakes region and the St. Lawrence Valley. Isolated severe weather brought some very heavy showers to southern Texas. Heavy rain was more widespread in northern Florida. Some showers of the East Coast States, but they were very light in much of the area. Temperatures were much cooler than normal in most of the East. Temperatures averaged near normal along the Gulf and Atlantic Coasts, but were 4-7 degrees cooler than normal from west central Texas to the upper Mississippi Valley and Great Lakes region. Temperatures were well-above normal in much of the Southwest and daily high temperatures rose to over 100 degrees.

SUNDAY...Showers and thunderstorms developed early from southwestern Texas and eastern New Mexico through the High Plains and later spread over the lower Missouri Valley, the Ohio Valley, and through the central and northern Appalachians. Powerful thunderstorms developed from Louisiana to southern Georgia and northern Florida, but were isolated and did not cover large areas.

MONDAY...Showers were scattered over the High Plains but were more widespread through the central and northern Plains, the Mississippi and Ohio Valleys, and the lower Appalachians. No rain fell in the West. It was quite warm throughout the South but the Southwest rose to over 100 degrees.

TUESDAY...Showers and thunderstorms scattered over the southern Rockies and Texas, but were more widespread and severe from the Mississippi Valley to the east coast. Moderate to heavy showers from

the Ohio Valley to western New York benefited agriculture and water storage. Temperatures moderated somewhat in the South but very hot weather continued in the Southwest.

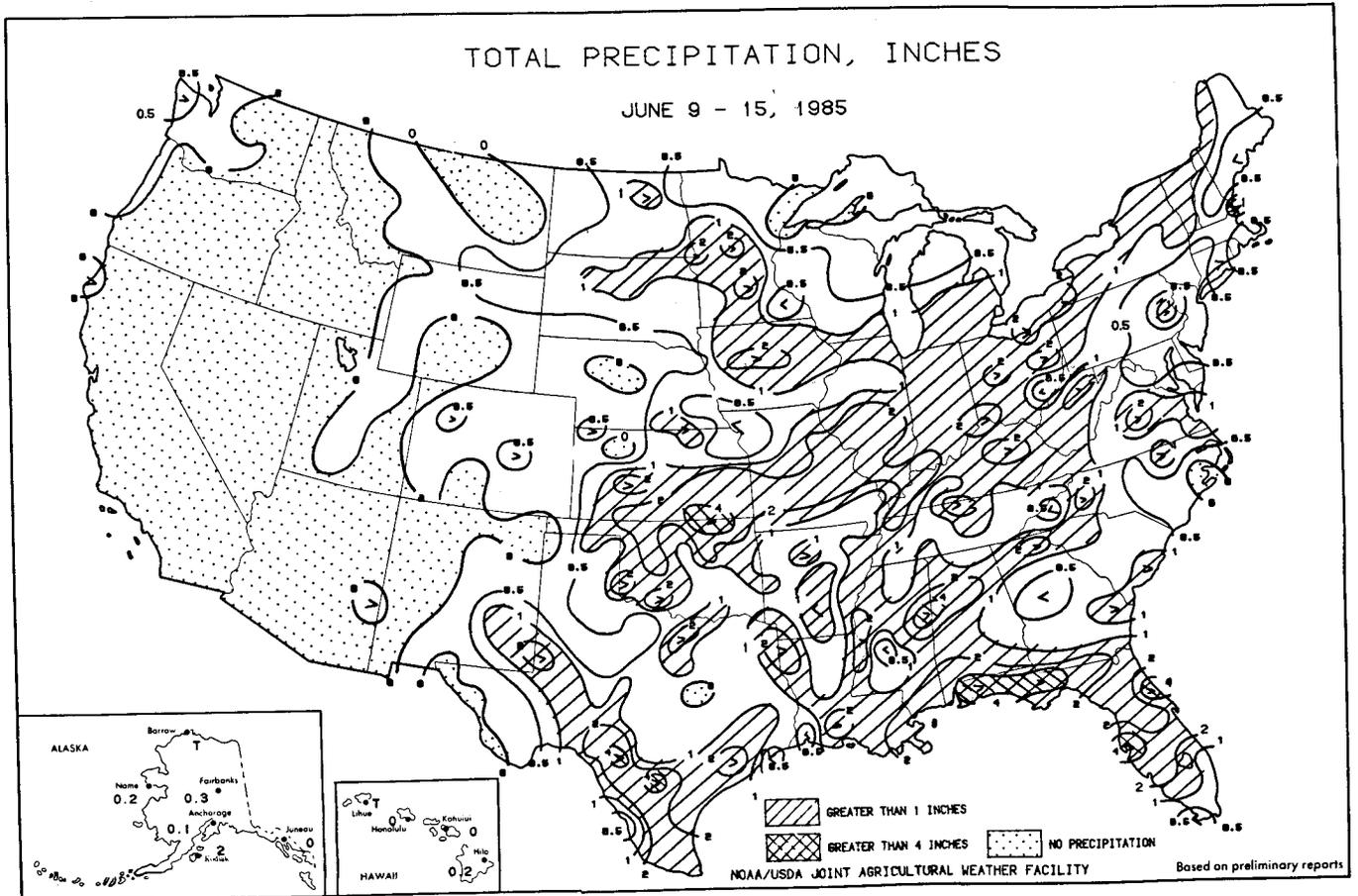
WEDNESDAY...Showers were much lighter from Illinois through New England and the East Coast States. Occasional moderate showers fell along the east coast and were most welcome in Florida. Showers and thunderstorms again developed in the southern Rockies and southern Texas. Hot weather continued in the Southwest.

THURSDAY...Moderate to heavy showers fell over the Florida peninsula, while lighter showers continued in the Northeast. Light showers also fell in the northern Plains and along the Northwest Coast. Isolated severe thunderstorms produced heavy rain in parts of southern Texas. Record-cool temperatures were read in the early morning through most of the East, but afternoon temperatures still exceeded 100 degrees in the Southwest.

FRIDAY...Rain was lighter along the eastern gulf coast and in Florida, but heavy showers and thunderstorms developed through the middle and upper Mississippi Valley. Scattered showers extended eastward through New England. Record-low temperatures were over the Southeast and the heat continued in the Southwest. The southern Plains began to warm again.

SATURDAY...Moderate to heavy showers fell in the Southeast but some of the dry areas missed the rain. Lighter showers fell throughout the East Coast States and from the western Great Lakes region to western New York and Pennsylvania. Cool weather continued to prevail in most of the East, but afternoon temperatures began to creep into the nineties in the Plains.

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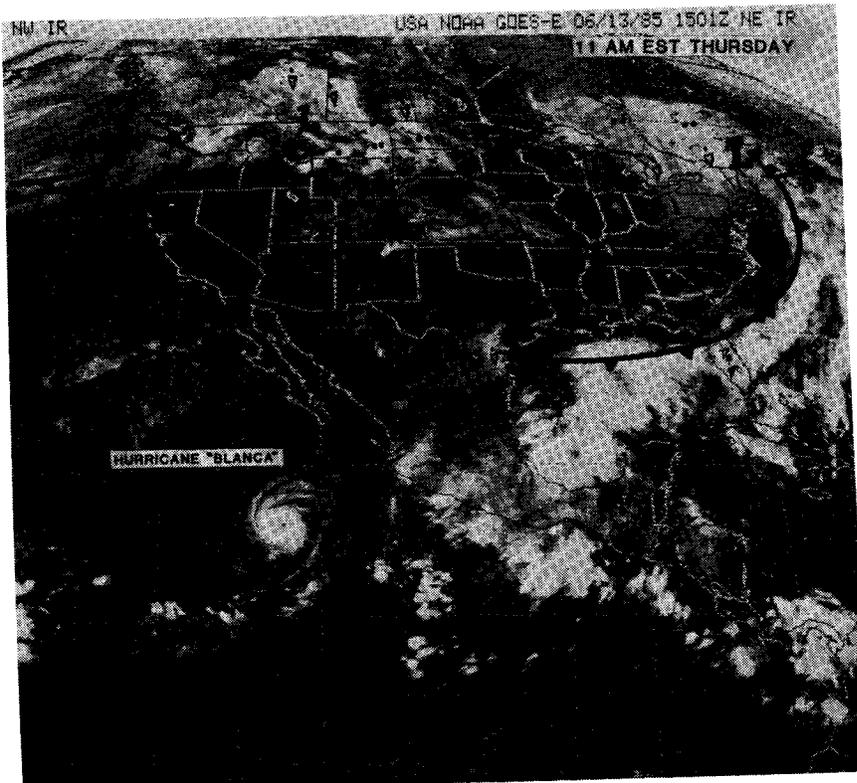


COLD FRONT OFF THE EAST COAST OF THE UNITED STATES AND INTO THE GULF OF MEXICO IS WELL DELINEATED BY A LINE OF CLOUDS AHEAD OF IT. A THUNDERSTORM AND NUMEROUS SHOWERS WERE REPORTED OVER FLORIDA AT THE TIME OF THIS PICTURE.

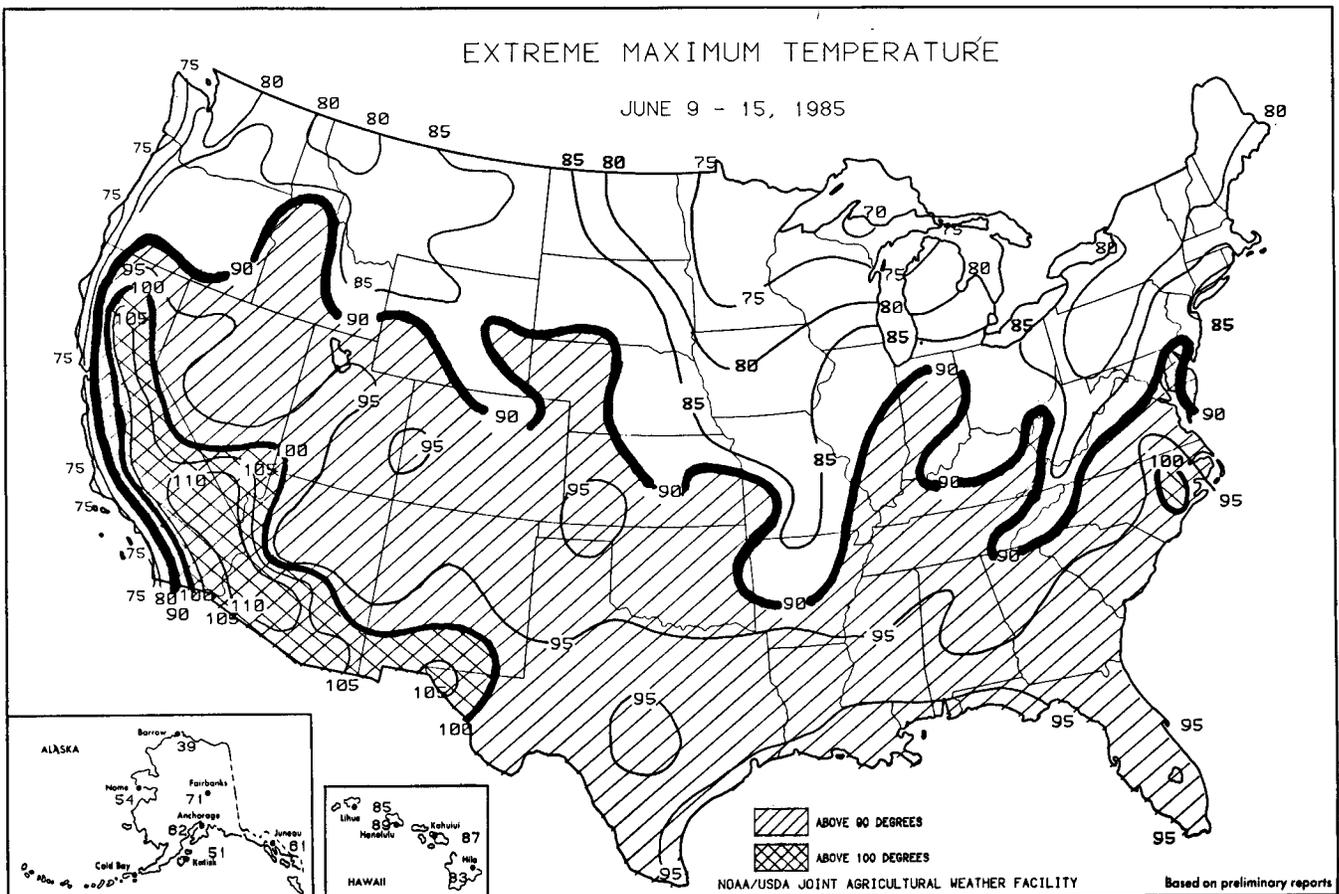
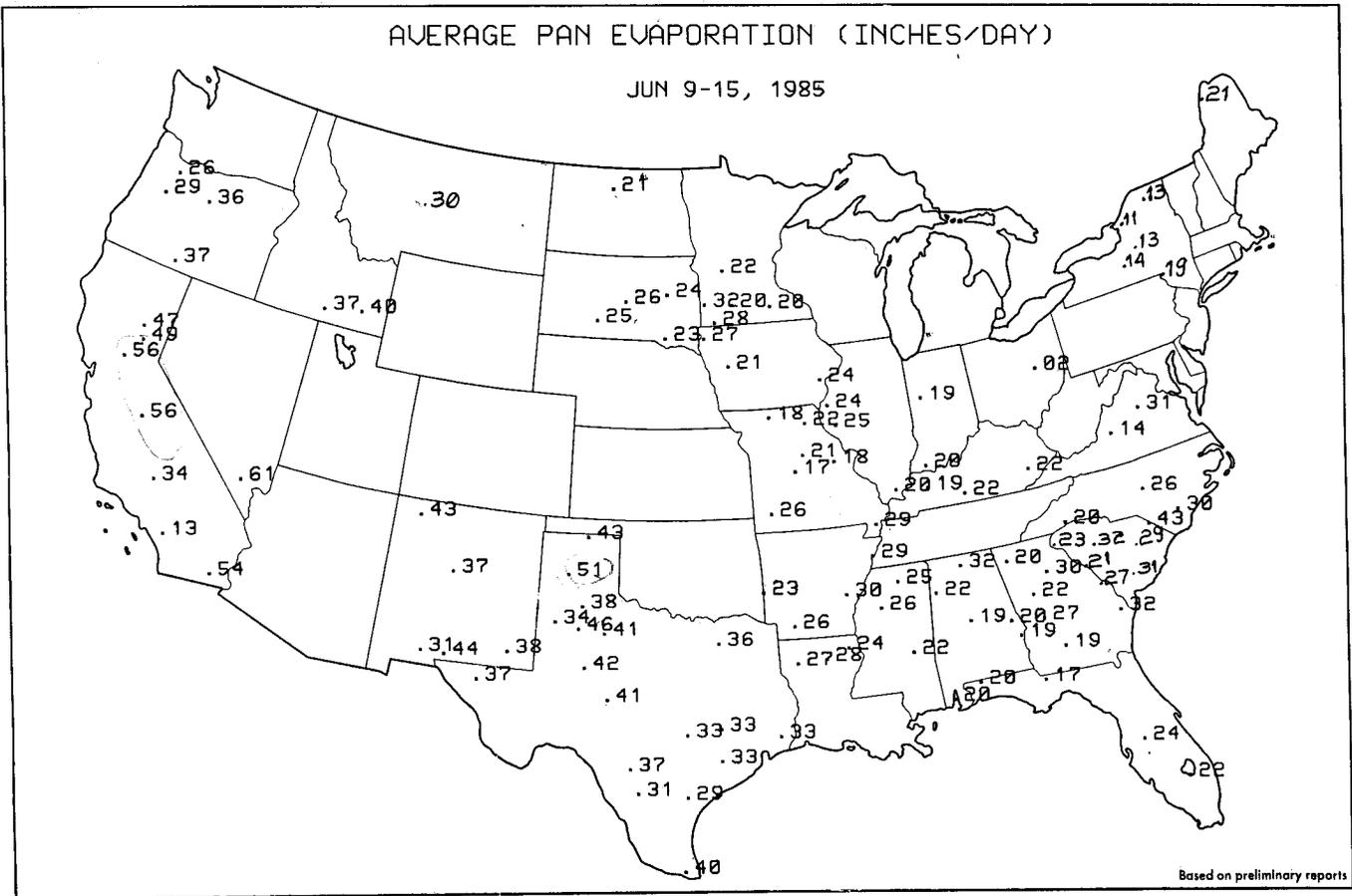
AN AREA OF LOW PRESSURE IN SOUTH CENTRAL CANADA IS CAUSING SHOWERS IN THE MOUNTAINS AND LIGHT RAIN IN THE PLAINS. A LITTLE RAIN IS FALLING ALONG THE NORTHWEST COAST AS ANOTHER PACIFIC STORM APPROACHES.

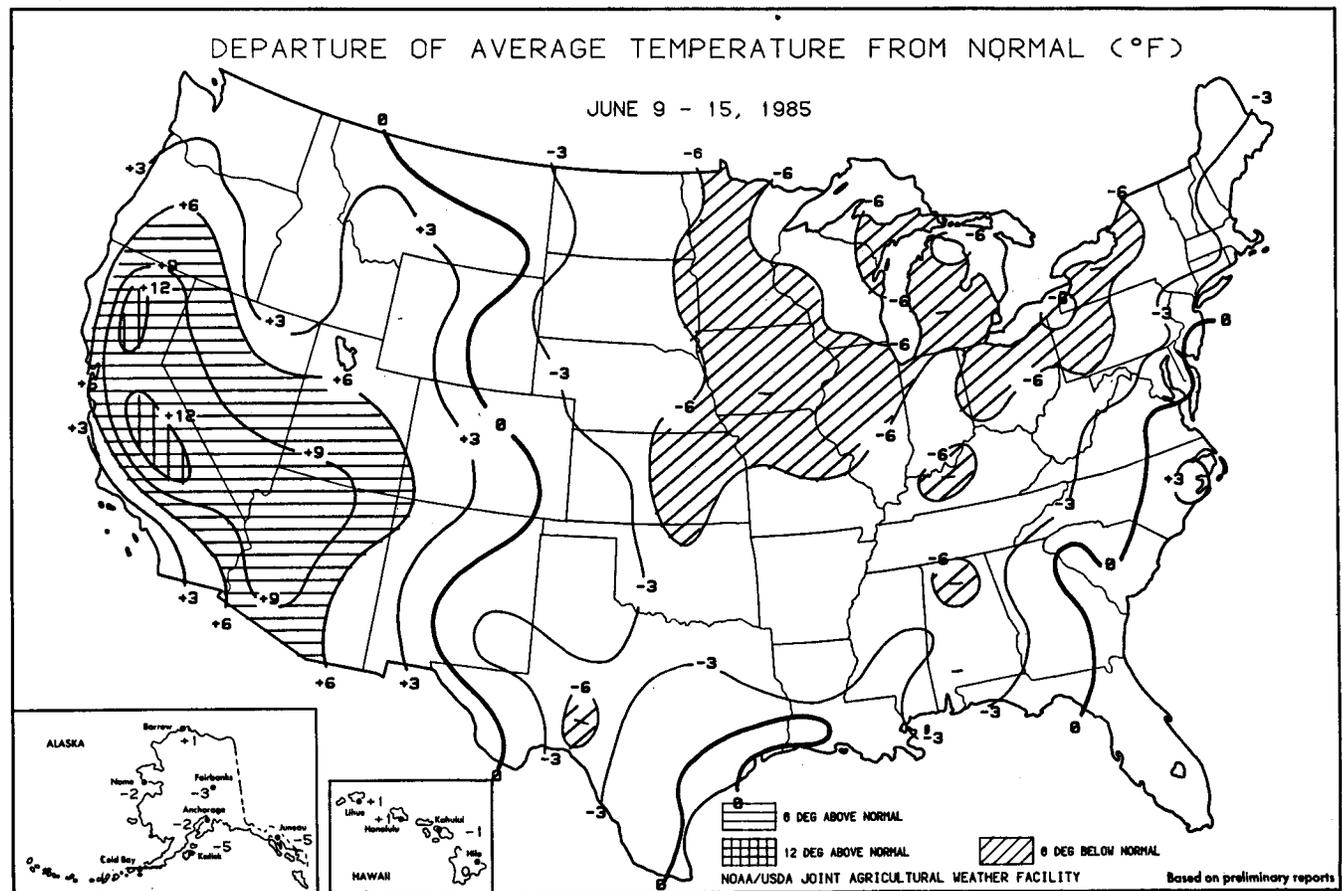
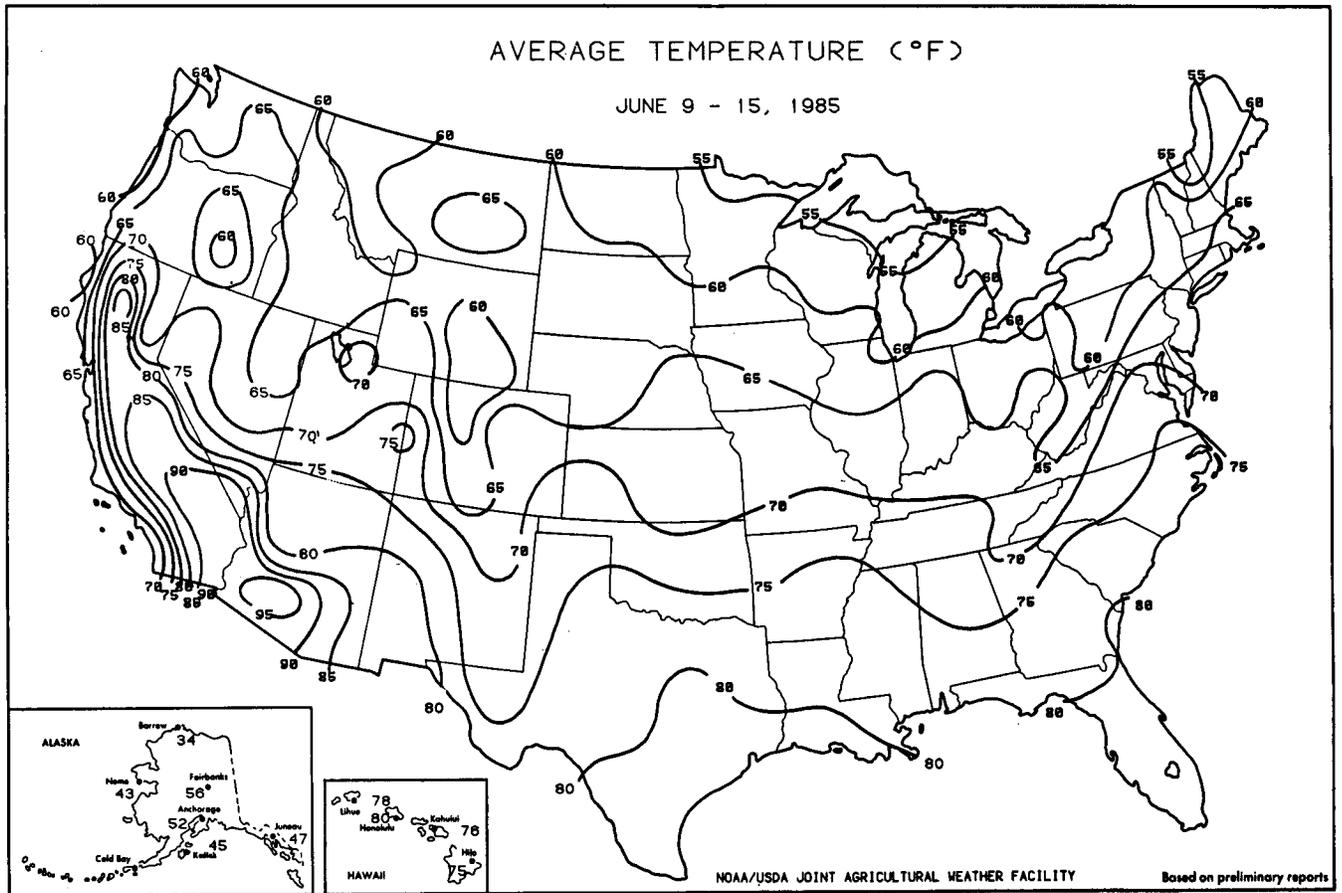
HURRICANE "BLANCA" SPINS ITS WAY WESTWARD INTO THE SOUTH PACIFIC. AS THE HURRICANE MOVED INTO THE COOLER PACIFIC WATERS, AT THIS LATITUDE, IT RAPIDLY DISSIPATED.

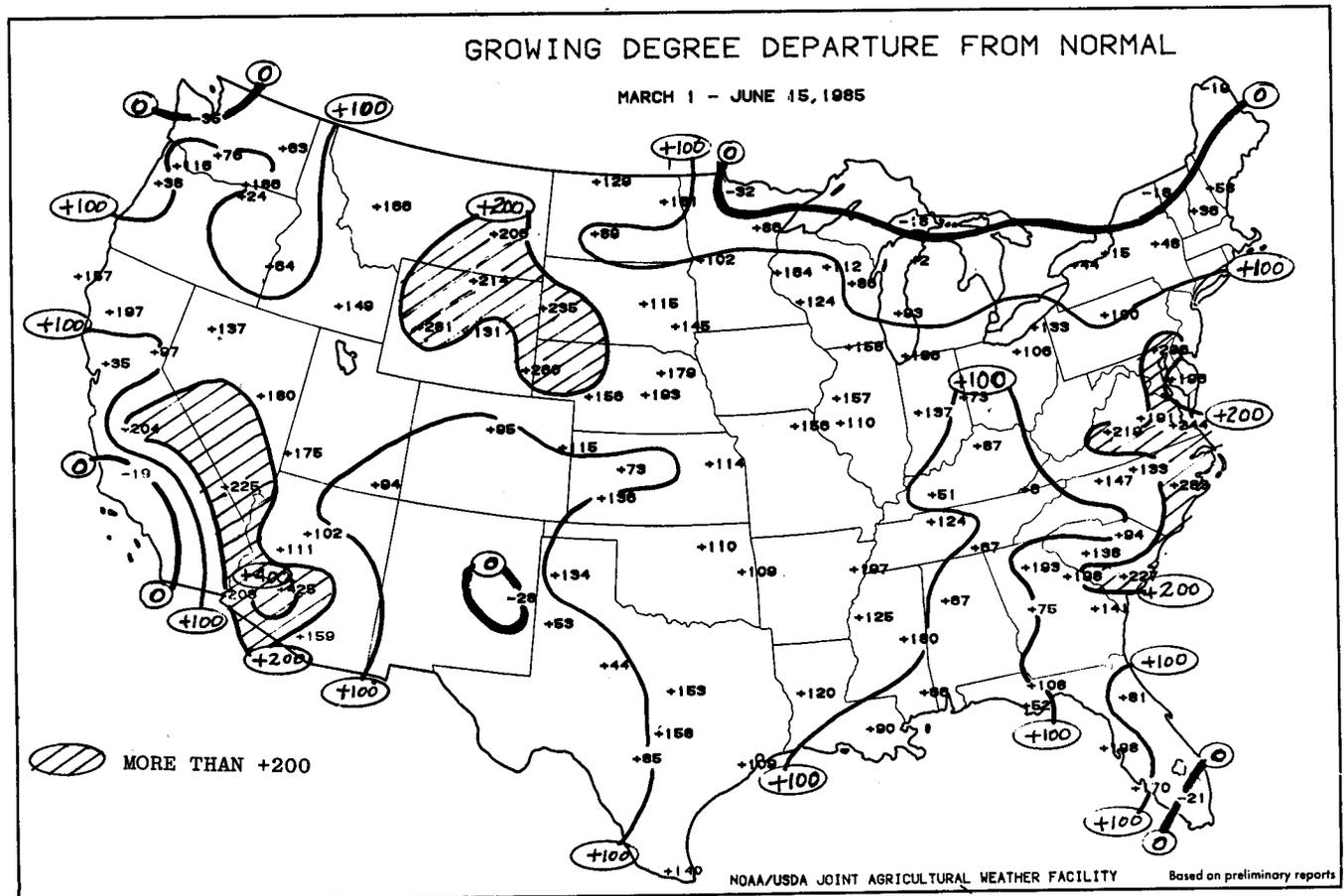
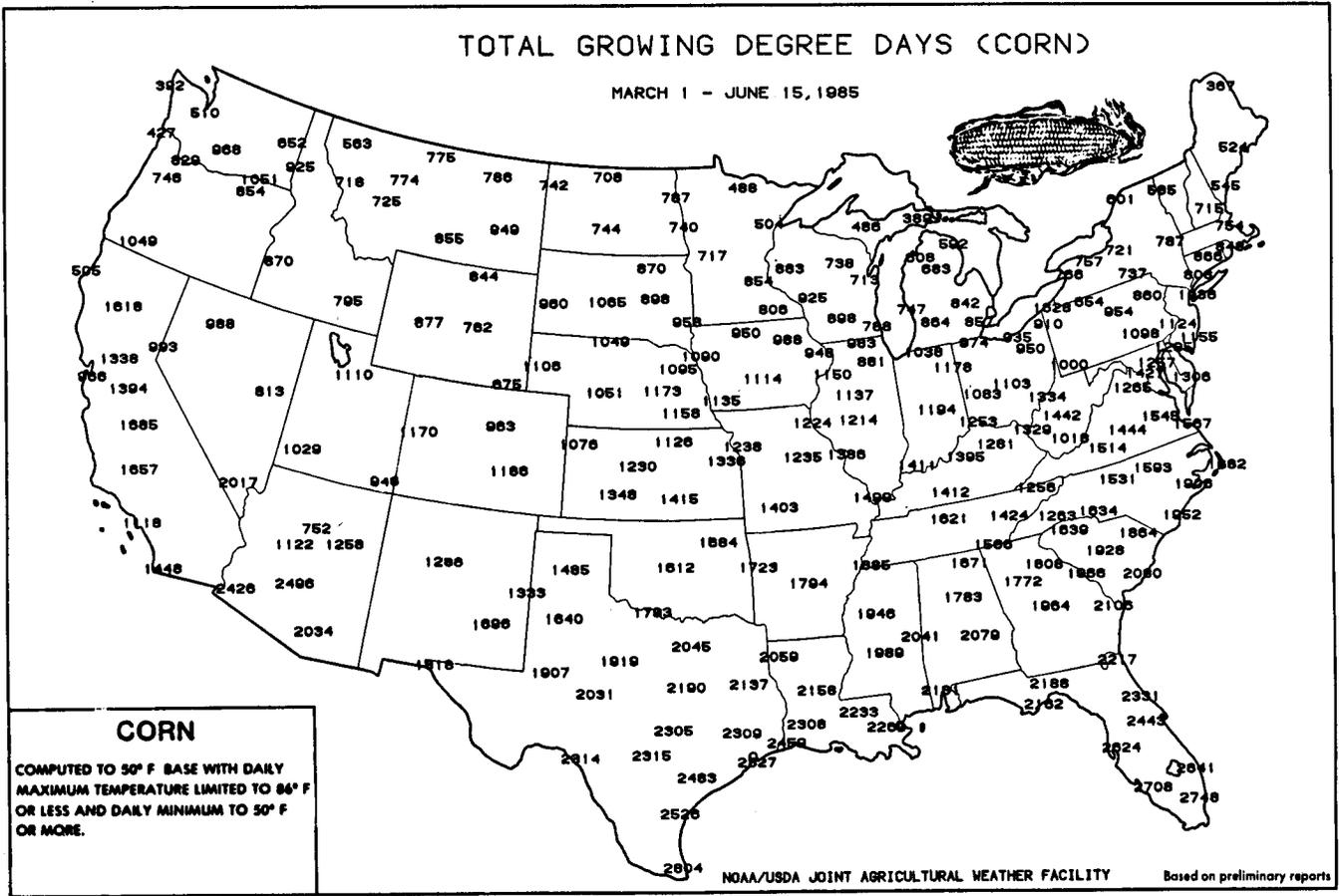
AN AREA OF DENSE CLOUDINESS IN THE BAY OF CAMPECHE OFF THE EAST COAST OF MEXICO IS BEING WATCHED BY THE HURRICANE OFFICE FOR POSSIBLE TROPICAL DEVELOPMENT. NO TROPICAL STORMS HAVE YET DEVELOPED IN THIS AREA.

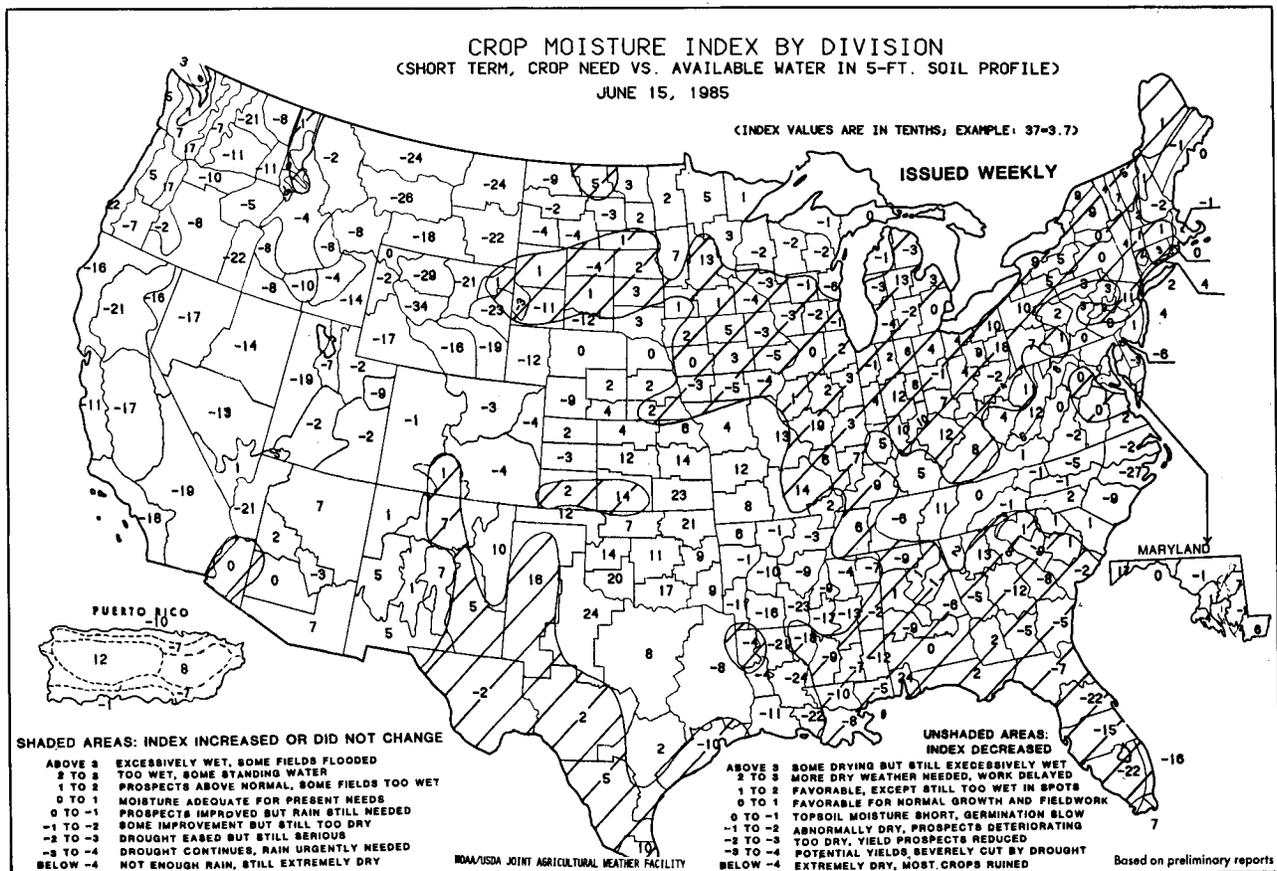
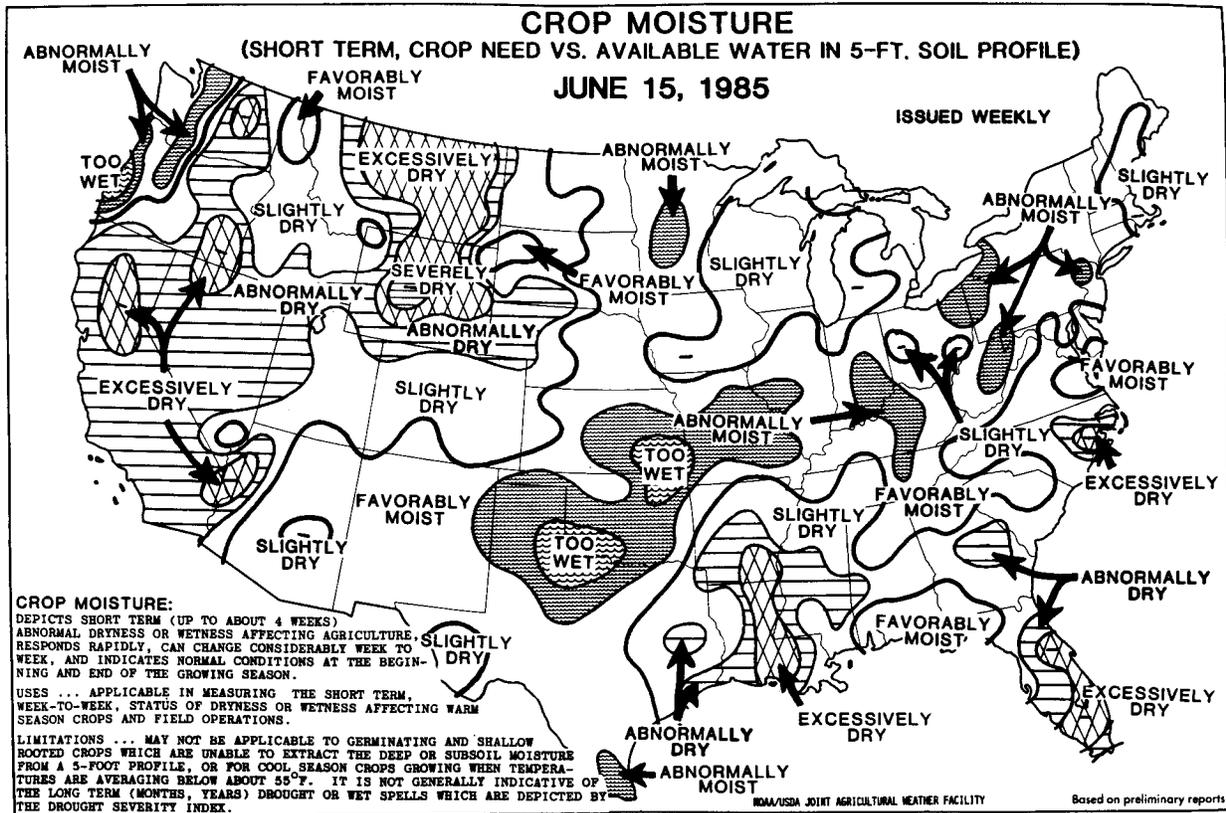


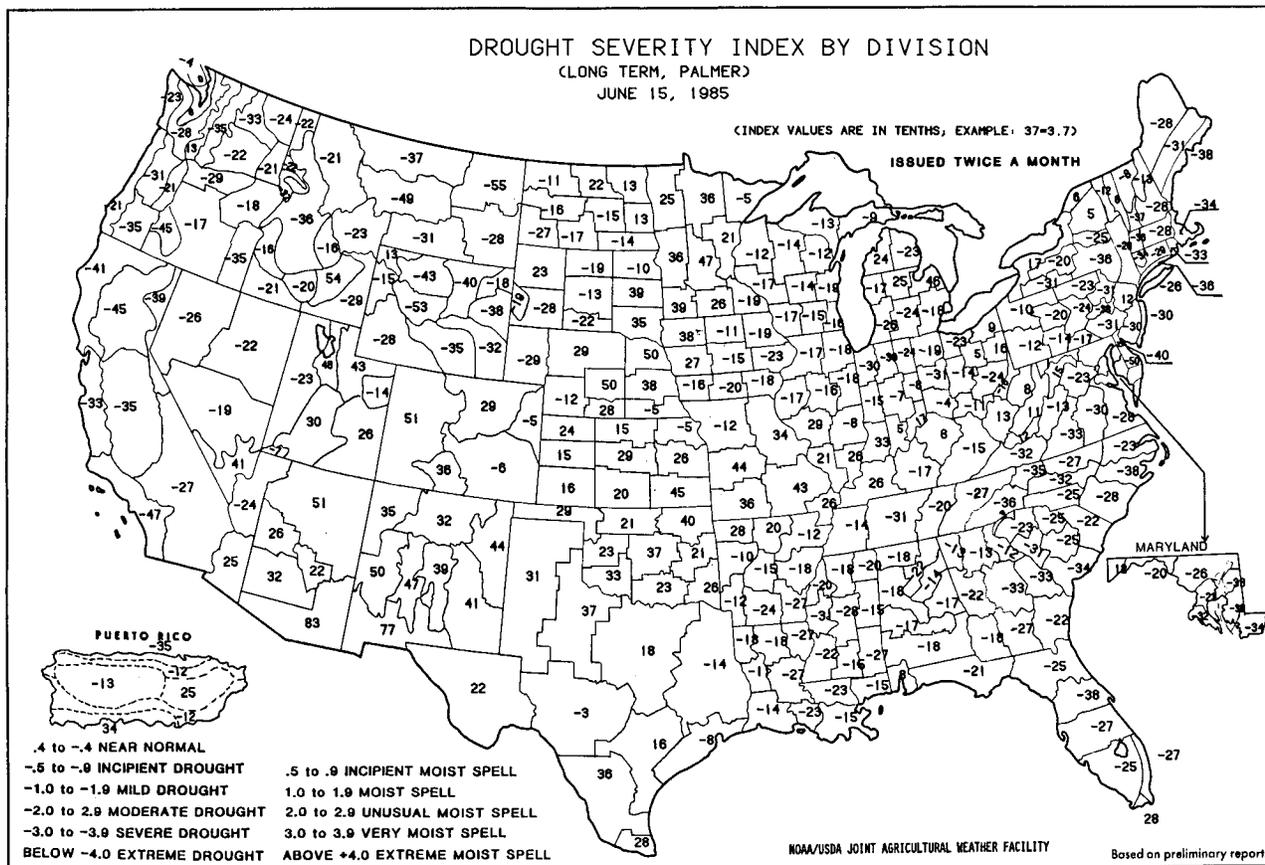
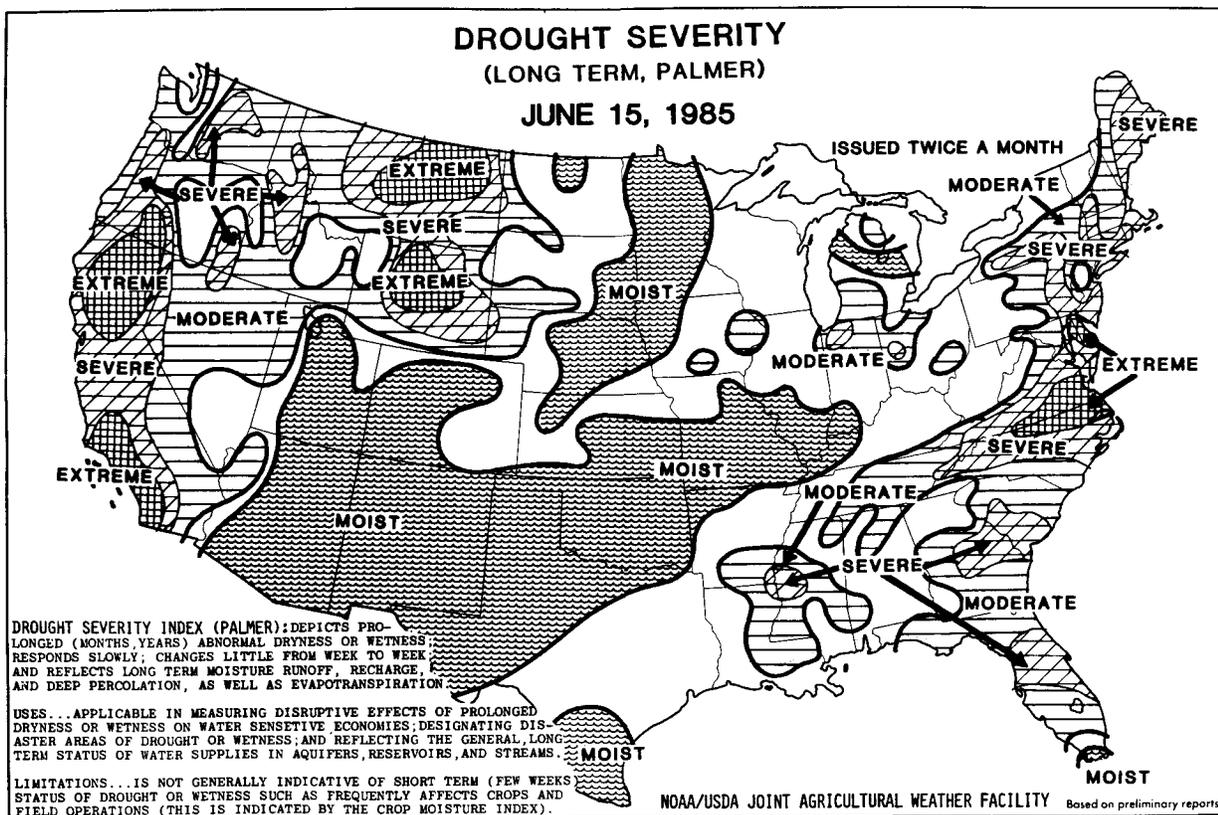
- ✱ SNOW
- RAIN
- ▽ RAINSHOWERS
- ⚡ THUNDERSTORMS
- ⊙ PRECIPITATION AREAS

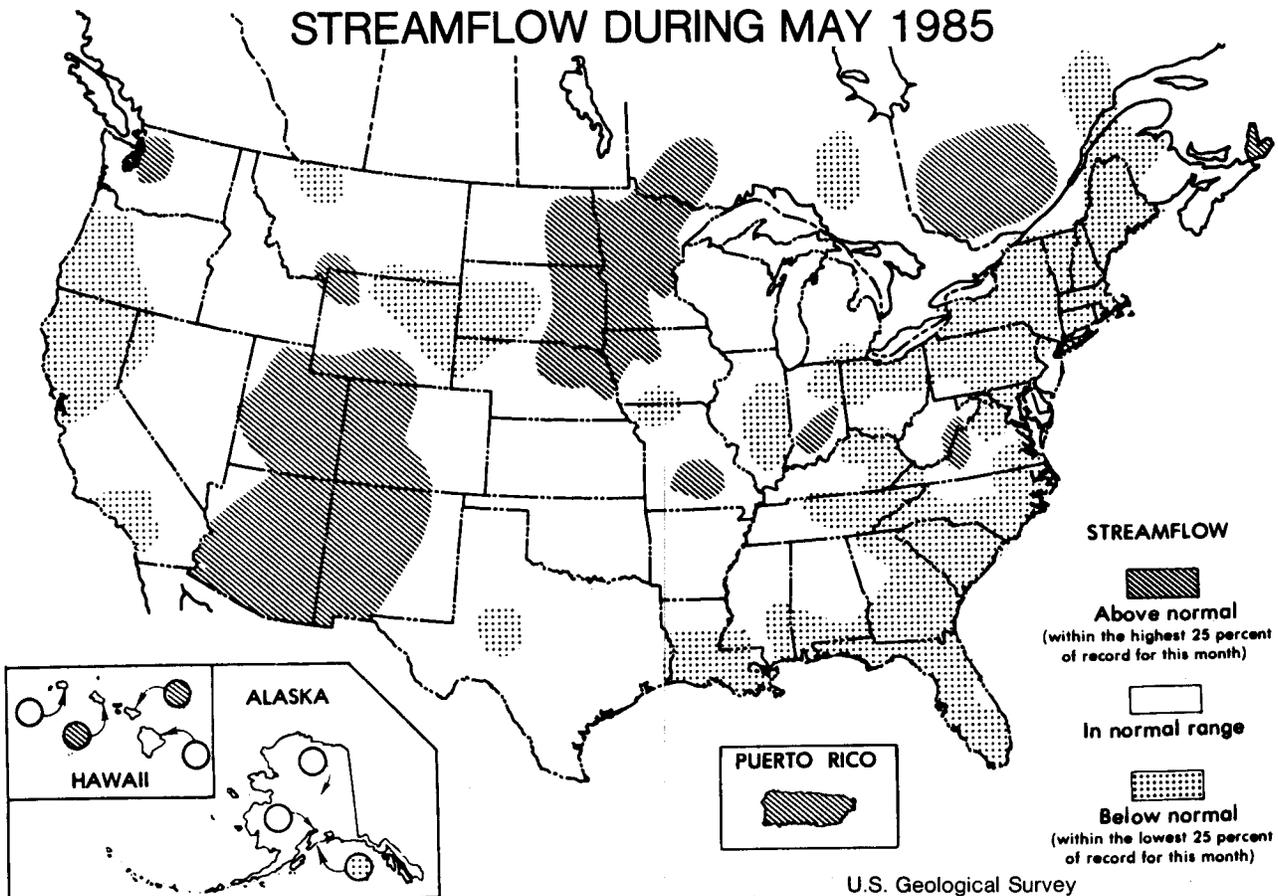
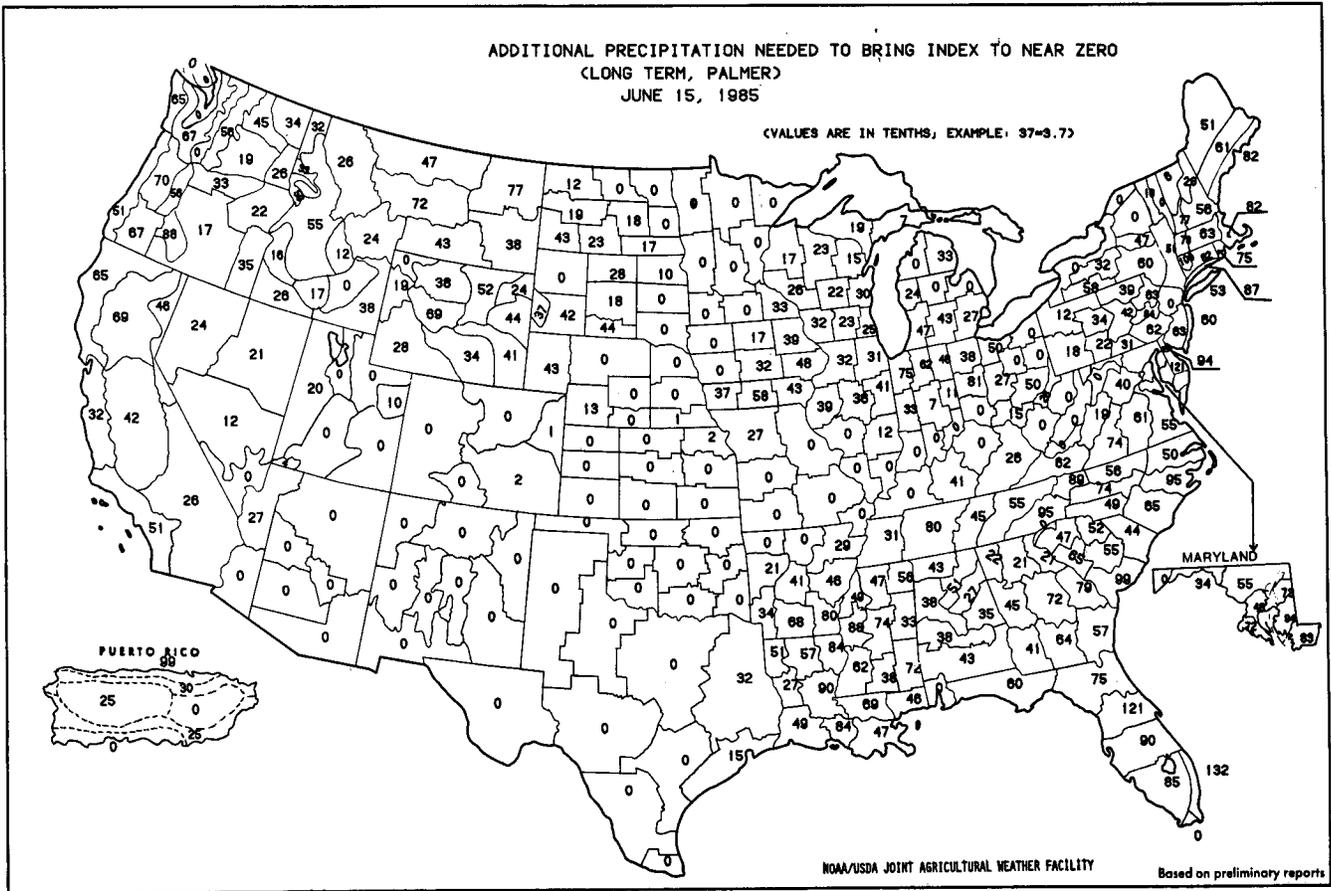












STREAMFLOW DURING MAY 1985

NATION'S STREAMS: EAST CONTINUES
VERY DRY, WEST MUCH WETTER

May streamflows across the country continued generally below normal east of the Mississippi River, with record-low flows in parts of New York, but flows were generally average to well-above average west of the Mississippi, especially in the Southwest.

U.S. Geological Survey (USGS) hydrologists said reports from 175 key index streamflow-gaging stations across the country showed that 36 percent (63 stations) had flows well-below normal for this time of year. This was within the lowest 25 percent of historic record. Of the remaining stations, 43 percent (75 stations) were in the normal range for May and only 21 percent (37 stations) had flows well-above average which was within the highest 25 percent of long-term record.

As a general indication of streamflows in the nation, the combined flow of the Mississippi, St. Lawrence, and Columbia Rivers was 934 billion gallons per day (bgd) during May. This is 9 percent below the previous month and 5 percent below the long-term May average. These three rivers account for streamflow runoff from more than half of the conterminous United States.

Flows that were well-below normal continued in a wide band from Maine south to Florida and west through much of the Ohio Valley and into parts of the Gulf Coast States and Illinois.

Of 49 gaging stations reporting along the Atlantic Seaboard from Maine to Florida, 37 had flows well-below long-term averages for May and the remaining 12 stations were in the normal range. Two streams in New York State set record-low flows for the month of May.

Portions of the Midwest and West provided a striking contrast in streamflows to the drier East. In Minnesota, five of six key index gaging stations reported well-above average flows. Streams in the eastern Dakotas, eastern Nebraska, and south-central Missouri were flowing well-above long-term averages for May.

Farther west, most streamflows reported in Colorado, Utah, New Mexico, and Arizona were also well-above average for May. Flows at five of six gaging stations in Arizona were within the highest 25 percent of record for the month.

Small areas of low flows were reported in the West, with flows of streams in western South Dakota, eastern Wyoming, west-central Texas, and northern Montana well-below the long-term May average. Below-average flows were also reported in northern and southwestern California and western Oregon.

A significant hydrologic event occurred in Utah during May when the Great Salt Lake reached a peak elevation for the year on May 21. This year's peak elevation of 4,209.95 feet above sea level is only 1.65 feet below the highest recorded elevation of 4,211.6 feet reached in 1873.

Contents of most selected reservoirs across the country increased or varied only slightly from the previous month, with only Shasta Lake in California showing a significant decline. Reservoirs with below-average contents were clustered mostly in the Northeast and the Tennessee Valley, with only 14 of 66 sites elsewhere below average for the month.

Rains at the end of May eased drought conditions somewhat in parts of the East, but contents of the New York City reservoir system in the Delaware River basin increased only to 167 billion gallons on June 10, which is 61.7 percent of capacity. Normal reservoir capacity for this time of year is 100 percent.

Working in cooperation with Federal, State, and local agencies, the USGS routinely monitors the quantity and quality of the Nation's surface- and ground-water resources at more than 65,000 sites across the country. Highlights of May streamflow conditions include:

FIVE LARGE RIVERS--Individual May flows of flows of the Nation's largest rivers: Mississippi River at Vicksburg, MS, 474 billion gallons per day (bgd), 13 percent below average and 31 percent below the previous month's flow; Columbia River at The Dalles, OR, 268 bgd, 3 percent below average, but 75 percent above the April flow; St. Lawrence River near Massena, NY, 193 bgd, 7 percent above average and 1 percent above the previous month's flow; Missouri River at Herman, MO, 71 bgd, 20 percent above the long-term May average, but down 7 percent from April's flow; and the Ohio River at Louisville, KY, 56 bgd, 34 percent below average and 42 percent below the flow in April.

NEW YORK--Streamflows were generally well-below average for May, with all five key index stream reporting flows in the lowest 25 percent of long-term May records. Two streams set new record-low flows for May. Flow of the Mohawk River at Cohoes, NY, averaged 1,350 million gallons per day (mgd), 69 percent below the long-term May average and the lowest May flow in 68 years of record. Flow of the Susquehanna River at Conklin, NY, averaged 846 mgd during May, 67 percent below average and the lowest May flow in 73 years of record.

WEST VIRGINIA--The only stream in the eastern States to report well-above average flow was the Greenbrier River at Alderson, WV. During May, the flow at this station averaged 1,940 mgd, 23 percent above the long-term average for the month.

MINNESOTA--Streamflow conditions were extremely wet in Minnesota during May, with five of six key index stations reporting well-above average flows. Flow of the Buffalo River near Dilworth, MN, for example, averaged 406 mgd during May, about 200 percent above average and the third highest May flow of record.

ARIZONA--Although streamflows decreased seasonally in Arizona, flows on five of six key index streams were well-above average for May. Flow of the Salt River near Roosevelt, AZ, for example, averaged 1,390 mgd during May, more than three times the long-term average flow for the month.

UTAH--Flows of all seven key index stations in Utah were well-above average during May. Flow of the Colorado River near Cisco, UT, for example, averaged 21,280 mgd during May, 149 percent above the long-term monthly average.

CALIFORNIA--Streamflows varied in California during May, with flows at stations in the northern and southwestern parts of the State at well-below average levels, while streams in the rest of the State were in the normal range. Flow of the Smith River near Crescent City, Ca, for example, averaged 690 mgd during May, 52 percent below average and the third lowest May flow of record.

Weather Data for the Week Ending June 15, 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	81	60	95	50	71	-6	2.2	1.4	.9	2.2	131	20.2	73	98	55	1	0	5	2	
MOBILE	84	68	94	62	76	-4	3.2	2.1	1.7	3.3	140	27.2	93	88	54	1	0	5	2	
MONTGOMERY	84	65	98	55	75	-4	.7	0	.6	1.2	74	21.5	87	92	57	2	0	3	1	
AK ANCHORAGE	59	45	62	42	52	-2	.1	.1	.1	.2	43	4.5	110	77	41	0	0	2	0	
BARROW	37	30	39	28	34	1	.3	0	T	T	7	.6	55	89	72	0	7	1	0	
FAIRBANKS	65	47	71	40	56	-3	.3	0	T	T	153	3.1	111	87	40	0	0	5	0	
JUNEAU	53	41	61	35	47	-5	1.0	.3	.3	1.7	115	11.1	62	95	61	0	0	6	0	
KODIAK	48	36	54	33	43	-2	2.0	1.2	1.2	5.2	254	33.0	99	100	82	0	0	7	1	
NOME	50	36	54	35	43	-2	.2	.1	.2	.3	60	4.1	114	90	65	0	0	1	0	
AZ PHOENIX	110	81	114	80	96	10	0	0	0	0	0	1.8	69	26	8	7	0	0	0	
PRESCOTT	91	60	93	58	76	10	0	0	0	0	0	5.1	84	43	18	7	0	0	0	
TUCSON	105	72	109	69	89	6	0	0	0	.1	0	3.5	135	28	7	7	0	0	0	
YUMA	109	76	113	72	92	6	0	0	0	0	0	.3	30	45	14	7	0	0	0	
AR FORT SMITH	85	62	93	50	74	-3	.3	-.6	.3	1.9	97	24.0	125	94	48	1	0	2	0	
LITTLE ROCK	86	63	95	53	75	-3	.1	-.7	0	.1	4	19.6	81	86	45	2	0	2	0	
CA BAKERSFIELD	100	70	104	68	85	8	0	0	0	.3	486	1.9	49	48	18	7	0	0	0	
EUREKA	64	51	67	49	57	3	T	-.1	T	.9	237	11.5	52	95	70	0	0	1	0	
FRESNO	104	70	107	66	87	13	0	0	0	.3	413	3.3	46	56	17	7	0	0	0	
LOS ANGELES	73	62	77	60	67	2	0	0	0	0	0	3.5	42	86	62	0	0	0	0	
RED BLUFF	104	75	109	65	89	14	0	0	0	.1	25	4.9	38	36	10	7	0	0	0	
SACRAMENTO	102	61	105	57	81	11	0	0	0	.2	167	4.4	41	80	18	7	0	0	0	
SAN DIEGO	72	65	74	63	68	2	0	0	0	0	0	2.2	35	81	66	0	0	0	0	
SAN FRANCISCO	80	54	91	52	67	6	0	0	0	.3	483	6.8	55	87	41	1	0	2	0	
CO DENVER	80	55	91	50	67	1	.1	-.3	.1	.5	57	6.4	85	57	26	1	0	2	0	
GRAND JUNCTION	90	59	97	55	75	4	T	-.1	T	.1	24	4.6	124	48	16	4	0	1	0	
PUEBLO	88	54	95	48	71	1	T	-.2	T	.5	4.6	110	73	22	4	0	2	0	0	
CT BRIDGEPORT	75	57	85	52	66	-1	.5	-.2	.5	1.3	90	12.1	64	84	50	0	0	1	0	
HARTFORD	74	50	84	44	62	-6	.3	-.6	.3	1.6	95	10.5	52	81	42	0	0	1	0	
DC WASHINGTON	79	63	86	52	71	-3	.3	-.4	.2	1.8	106	14.7	87	85	50	0	0	3	0	
FL APALACHICOLA	84	72	93	67	78	-2	2.9	1.9	1.2	2.9	141	16.6	85	88	69	1	0	5	2	
DAYTONA BEACH	88	72	97	70	80	1	4.4	2.9	1.9	5.1	166	14.5	85	92	61	4	0	5	3	
JACKSONVILLE	87	71	96	68	79	1	1.3	0	1.0	1.3	49	9.9	47	88	54	3	0	4	1	
KEY WEST	90	80	92	73	85	2	.2	-.1	.1	.2	7	17.8	146	81	64	4	0	2	0	
MIAMI	90	74	93	71	82	1	.7	-.6	.2	.7	14	8.9	44	91	57	3	0	5	0	
ORLANDO	90	72	98	69	81	0	1.9	.2	.6	1.9	56	13.4	76	95	54	4	0	6	2	
TALLAHASSEE	86	70	96	66	78	-2	5.5	4.1	3.5	5.5	184	18.2	66	100	61	3	0	6	3	
TAMPA	90	75	97	69	83	2	5.1	3.9	2.0	5.1	214	12.2	75	85	58	4	0	3	3	
WEST PALM BEACH	90	74	93	70	82	2	.6	-.3	.3	.6	16	13.5	64	92	56	5	0	3	0	
GA ATLANTA	83	64	91	53	73	-2	.9	-.1	.4	1.7	101	20.1	79	85	44	2	0	4	0	
AUGUSTA	89	65	99	53	77	0	.6	-.3	.5	1.9	99	15.7	72	93	43	3	0	2	0	
MACON	88	66	95	56	77	-2	.4	-.5	.2	.7	36	14.8	64	85	47	2	0	3	0	
SAVANNAH	90	70	98	62	80	2	1.2	0	.8	5.3	200	12.7	62	86	43	4	0	3	1	
HI HILO	82	68	83	65	75	0	.2	-.1	.1	.6	20	68.0	110	88	58	0	0	2	0	
HONOLULU	88	71	89	68	80	1	T	-.1	T	T	0	7.8	60	74	42	0	0	0	0	
KAHULUI	84	68	87	63	76	-1	T	-.1	T	T	0	5.9	47	90	57	0	0	0	0	
LIHUE	84	72	85	67	78	1	T	-.4	T	T	1	14.3	66	76	58	0	0	1	0	
ID BOISE	84	48	91	41	66	1	0	-.2	0	.4	66	4.6	68	71	26	0	0	0	0	
LEWISTON	80	53	85	44	66	2	T	-.4	T	.8	105	4.5	68	85	43	0	0	0	0	
POCATELLO	81	46	86	43	64	3	0	-.3	0	.3	57	5.0	85	57	20	0	0	2	2	
IL CHICAGO	70	49	85	40	59	-7	1.6	-.6	.9	1.6	82	15.6	109	86	43	0	0	2	2	
MOLINE	74	54	85	45	64	-7	.9	-.1	.4	1.2	56	15.2	95	85	39	0	0	4	0	
PEORIA	74	54	85	45	64	-7	.9	0	.4	1.7	87	15.3	99	88	42	0	0	4	0	
QUINCY	75	56	85	46	65	-6	1.3	-.3	.7	2.0	98	13.8	85	94	48	0	0	2	2	
ROCKFORD	72	50	85	46	61	-7	1.2	-.1	.5	1.2	53	12.1	79	89	45	0	0	4	0	
SPRINGFIELD	75	56	89	47	65	-7	3.8	3.0	2.5	4.3	241	15.3	98	95	48	0	0	5	2	
IN EVANSVILLE	79	59	90	50	69	-5	2.0	1.2	1.0	4.1	232	23.0	111	79	48	1	0	4	2	
FORT WAYNE	75	56	91	45	65	-4	1.7	.9	.9	2.0	110	15.3	97	79	40	1	0	4	2	
INDIANAPOLIS	76	57	91	48	67	-5	1.6	.7	1.0	2.9	151	21.2	118	90	54	1	0	4	1	
SOUTH BEND	73	52	88	41	62	-6	1.8	.8	1.1	1.9	99	16.0	98	81	37	0	0	2	2	
IA DES MOINES	74	55	82	46	65	-6	1.8	.7	1.1	1.9	84	9.6	70	87	43	0	0	4	1	
SIoux CITY	76	54	84	48	65	-5	.2	-.8	.2	.2	11	11.1	101	81	39	0	0	2	0	
WATERLOO	72	54	81	47	63	-6	1.3	-.4	.6	1.3	63	9.8	71	85	43	0	0	4	1	
KS CONCORDIA	76	53	89	47	65	-8	.6	-.5	.4	2.0	91	11.7	99	92	46	0	0	4	0	
DODGE CITY	86	57	98	52	72	-2	1.3	-.6	1.3	1.9	125	7.9	87	81	30	2	0	1	0	
GOODLAND	81	53	91	46	67	-2	.1	-.5	.1	.4	30	7.0	96	78	30	1	0	1	0	
TOPEKA	80	55	91	44	67	-6	.4	-.8	.2	3.0	118	15.5	112	93	41	1	0	4	0	
WICHITA	79	57	90	47	68	-7	2.5	1.5	2.4	4.0	191	12.3	103	89	43	2	0	2	1	
KY BOWLING GREEN	80	56	90	46	68	-6	.7	-.4	.4	2.2	98	15.2	62	99	47	2	0	3	0	
LEXINGTON	76	56	86	43	66	-5	2.1	1.1	1.6	3.7	176	17.0	77	93	57	0	0	4	1	
LOUISVILLE	77	58	89	46	68	-6	1.5	.7	.6	3.1	172	17.4	81	97	56	0	0	5	1	
LA ALEXANDRIA	89	67	96	59	78	-3	.9	0	.9	.9	44	21.4	74	88	46	4	0	2	1	
BATON ROUGE	88	70	92	63	79	-1	1.3	.7	1.2	1.6	125	20.6	80	90	49	2	0	2	1	
LAKE CHARLES	91	71	95	64	81	1	.1	-.8	.1	.1	4	18.8	84	96	44	5	0	1	0	
NEW ORLEANS	86	70	90	65	78	-2	2.4	1.4	1.8	2.4	112	26.8	100	88	59	1	0	6	1	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending June 15, 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	TEMPERA- TURE °F		PRECIPI- TATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
ME SHREVEPORT	89	65	97	58	77	-3	3.3	2.5	2.3	3.3	180	19.4	86	95	45	2	0	2	2
ME CARIBOU	64	46	78	40	55	-4	.9	.2	.5	1.6	107	11.5	83	87	52	0	0	4	1
ME PORTLAND	70	52	82	45	61	0	.1	-.7	-.1	.5	33	9.5	47	85	44	0	0	1	0
MD BALTIMORE	79	59	88	48	69	-2	.2	-.7	-.2	1.6	85	15.4	84	87	37	0	0	2	0
MA SALISBURY	80	59	88	48	69	-1	.6	-.3	.4	1.4	83	13.1	69	100	51	0	0	2	0
MA BOSTON	74	56	84	52	65	-2	.6	-.1	.6	1.6	105	11.7	57	84	45	0	0	2	0
MA CHATHAM	70	54	74	52	62	1	0	-.6	0	4.7	328	19.3	89	--	--	0	0	3	0
MI ALPENA	66	44	78	37	55	-5	.2	-.5	.2	.4	27	13.0	110	90	41	0	0	3	0
MI DETROIT	70	52	84	44	61	-6	1.4	.6	.8	1.4	86	17.5	128	89	42	0	0	5	1
MI FLINT	70	48	82	40	59	-7	1.2	.5	.7	1.3	80	16.7	133	96	51	0	0	4	1
MI GRAND RAPIDS	69	49	83	39	59	-7	1.5	.5	.9	1.5	76	14.8	103	92	42	0	0	3	2
MI HOUGHTON LAKE	66	47	75	40	56	-6	.5	-.2	.2	.8	59	12.3	109	87	41	0	0	3	0
MI LANSING	69	49	82	41	59	-7	1.7	.9	.8	1.7	99	15.2	119	92	45	0	0	4	2
MI MARQUETTE	65	42	70	37	53	-6	.1	-.8	-.1	.5	27	21.2	131	92	36	0	0	2	0
MI MUSKEGON	66	48	77	41	57	-8	1.0	-.3	.6	1.0	75	13.9	103	86	45	0	0	2	1
MI SAULT STE. MARIE	61	41	74	39	51	-7	T	-.8	T	.3	19	17.2	134	98	52	0	0	1	0
MN ALEXANDRIA	67	47	73	25	57	-7	1.7	.7	1.3	1.7	83	11.4	115	94	49	0	1	4	1
MN DULUTH	68	44	73	34	56	-3	T	-.9	T	.2	9	9.9	89	82	40	0	0	0	0
MN INT'L FALLS	66	39	74	26	53	-8	.2	-.7	.1	.8	47	12.4	146	87	37	0	1	2	0
MN MINNEAPOLIS	68	52	75	44	60	-7	1.3	-.3	.9	1.4	71	12.8	120	86	48	0	0	3	1
MN ROCHESTER	70	50	77	44	60	-6	.2	-.8	.2	.3	15	7.6	68	76	38	0	0	3	0
MS GREENWOOD	87	65	94	57	76	-3	1.1	.3	1.0	1.2	74	15.1	54	92	46	3	0	2	1
MS JACKSON	89	63	96	51	76	-3	.2	-.5	.1	.3	23	19.3	70	96	42	4	0	2	0
MS MERIDIAN	88	64	98	53	76	-2	1.7	1.0	.8	1.7	108	20.5	75	98	49	2	0	3	2
MO CAPE GIRARDEAU	81	59	94	48	70	--	.6	-.2	.4	2.3	126	26.9	122	93	51	1	0	2	0
MO COLUMBIA	77	56	84	49	66	-6	1.8	-.9	1.4	6.2	317	24.6	146	98	53	0	0	5	1
MO KANSAS CITY	74	55	84	47	65	-8	.2	-.9	.2	2.1	88	16.5	112	97	48	0	0	3	0
MO SAINT LOUIS	77	59	87	50	68	-6	3.0	2.2	1.8	7.7	426	24.1	151	95	52	0	0	6	2
MO SPRINGFIELD	79	61	91	51	70	-3	2.0	.9	1.5	5.5	231	25.2	141	83	54	1	0	4	1
MT BILLINGS	77	52	86	43	65	2	.4	-.1	.3	.6	52	4.9	60	64	23	0	0	2	0
MT GLASGOW	75	49	83	40	62	-1	T	-.6	T	.1	4	3.7	73	75	29	0	0	0	0
MT GREAT FALLS	75	49	82	41	62	-1	.1	-.6	.1	.5	33	5.6	68	69	26	0	1	2	0
MT HAVRE	75	45	85	32	60	-2	0	-.6	0	T	2	3.2	60	69	21	0	0	0	0
MT HELENA	78	48	84	42	63	4	0	-.5	0	.1	8	2.3	41	58	18	0	0	0	0
MT KALISPELL	71	43	78	34	57	0	T	-.6	T	1.5	126	6.0	80	89	36	0	0	0	0
MT MILES CITY	78	53	87	44	65	0	0	-.6	0	.1	8	3.3	49	69	29	0	0	0	0
MT MISSOULA	76	45	84	36	60	2	T	-.5	T	.4	37	3.8	57	87	24	0	0	0	0
NE GRAND ISLAND	77	53	87	45	65	-5	.7	-.3	.4	1.2	63	11.9	106	84	36	0	0	3	0
NE LINCOLN	77	53	86	43	65	-6	.5	-.5	.3	1.1	54	10.1	83	93	40	0	0	3	0
NE NORFOLK	76	54	86	47	65	-5	.5	-.5	.3	1.1	51	11.3	103	83	33	0	0	3	0
NE NORTH PLATTE	77	48	90	40	63	-5	T	-.9	T	.3	18	7.4	80	70	29	1	0	1	0
NE OMAHA	74	55	83	48	65	-6	.8	-.2	.6	1.4	64	10.8	84	80	48	0	0	3	1
NE SCOTTSBLUFF	81	47	93	35	64	-2	T	-.7	T	1.2	77	4.4	59	69	21	2	0	1	0
NE VALENTINE	78	47	91	39	62	-5	.1	-.6	.1	.4	25	3.8	49	71	24	1	0	2	0
NV ELY	87	43	90	38	65	7	T	-.2	T	9	3.5	73	63	15	2	0	0	0	0
NV LAS VEGAS	107	77	111	75	92	10	0	0	0	T	T	.6	33	20	6	7	0	0	0
NV RENO	93	50	97	48	71	10	0	-.1	0	.1	58	2.1	49	64	11	6	0	0	0
NV WINNEMUCCA	90	50	96	44	70	8	0	-.3	0	T	2	2.4	55	43	13	4	0	0	0
NH CONCORD	73	50	82	39	62	-2	.2	-.5	.2	1.0	66	9.9	63	94	43	0	0	1	0
NJ ATLANTIC CITY	81	58	90	51	69	1	.1	-.5	.1	.7	51	12.8	69	86	42	1	0	1	0
NM ALBUQUERQUE	91	61	95	57	76	2	T	-.1	T	0	4.5	188	62	22	5	0	0	0	0
NM CLOVIS	82	60	90	53	71	-2	.1	-.5	0	2.5	213	10.3	181	79	40	1	0	2	0
NM ROSWELL	88	60	99	56	74	-5	1.3	1.0	1.0	1.4	313	6.4	267	89	38	4	0	2	1
NY ALBANY	70	52	78	42	61	-5	1.1	.3	.9	1.3	78	10.9	70	93	49	0	0	3	1
NY BINGHAMTON	68	50	79	44	59	-5	.7	-.1	.5	.8	46	10.7	67	87	49	0	0	5	0
NY BUFFALO	68	50	80	46	59	-6	1.9	1.3	1.1	1.9	139	18.7	119	90	50	0	0	4	1
NY NEW YORK	76	60	84	55	68	-2	.3	-.4	.3	2.2	140	13.1	69	82	46	0	0	1	0
NY ROCHESTER	68	49	83	44	59	-7	1.4	.7	.6	1.5	105	12.6	91	94	49	0	0	4	1
NY SYRACUSE	68	49	81	44	58	-7	1.3	.5	.9	1.9	106	13.0	78	93	53	0	0	5	1
NC ASHEVILLE	80	54	89	44	67	-3	.1	-.9	0	.6	30	13.5	61	94	41	0	0	2	0
NC CHARLOTTE	85	61	93	54	73	-2	.6	-.2	.6	3.9	223	20.8	99	90	41	2	0	2	1
NC GREENSBORO	82	59	92	48	71	-2	.7	-.2	.4	2.0	103	16.1	84	87	39	1	0	2	0
NC HATTERAS	83	67	91	56	75	2	.2	-.8	.2	.5	24	17.2	77	94	56	1	0	2	0
NC NEW BERN	91	67	100	53	79	4	0	-1.1	0	.5	22	14.6	68	85	36	4	0	0	0
NC RALEIGH	85	60	94	46	73	-1	.3	-.6	.2	.5	29	15.4	81	85	40	3	0	2	0
NC WILMINGTON	88	69	98	57	78	2	T	-1.2	T	1.8	69	14.0	67	86	45	3	0	1	0
ND BISMARCK	70	48	81	38	59	-5	.6	-.1	.3	.9	58	7.9	114	91	46	0	0	4	0
ND FARGO	69	49	76	39	59	-6	1.0	.3	.7	1.0	67	8.3	112	93	50	0	0	3	1
ND GRAND FORKS	71	47	76	41	59	-4	T	-.7	T	.1	5	7.0	104	78	36	0	0	1	0
ND WILLISTON	74	45	86	36	60	-3	.3	-.4	.2	.4	26	4.4	72	77	28	0	0	2	0
OH AKRON-CANTON	69	51	84	44	60	-7	1.8	1.1	1.1	2.2	138	17.9	108	94	50	0	0	5	1
OH CINCINNATI	74	57	87	45	65	-5	2.4	1.5	2.0	4.1	207	22.4	117	90	58	0	0	5	1
OH CLEVELAND	70	52	87	45	61	-6	2.0	.7	.7	2.4	138	16.6	104	83	40	0	0	6	2
OH COLUMBUS	73	53	87	45	63	-6	1.2	.3	.7	1.2	62	13.6	79	82	46	0	0	5	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending June 15, 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		
DAYTON	73	54	86	44	63	-7	1.5	.6	1.0	2.1	109	16.8	100	81	49	0	0	4	1		
TOLEDO	71	52	85	45	62	-6	1.5	.7	.5	2.3	134	16.5	117	90	47	0	0	5	2		
YOUNGSTOWN	69	49	83	45	59	-7	1.8	1.0	.8	1.9	115	14.6	87	87	42	0	0	5	1		
OK OKLAHOMA CITY	84	62	92	53	73	-3	1.2	.2	.8	6.4	299	24.5	164	80	44	1	0	2	1		
TULSA	82	62	91	52	72	-5	1.7	.6	1.5	5.8	240	27.9	156	89	49	1	0	3	1		
OR ASTORIA	67	49	72	42	58	2	.1	-6.0	0	3.1	229	19.7	56	99	59	0	0	2	0		
BURNS	79	42	87	38	60	1	0	-2.0	0	.1	24	3.4	113	--	--	0	0	0	0		
MEDFORD	89	51	94	45	70	6	0	-2.0	0	.4	90	4.8	48	81	20	3	0	0	0		
PENDLETON	82	53	87	42	67	2	0	-2.0	0	.8	179	4.4	69	65	21	0	0	0	0		
PORTLAND	78	56	85	48	67	5	T	-4.0	T	2.3	272	9.8	52	81	37	0	0	0	0		
SALEM	79	49	85	41	64	4	0	-3.0	0	2.4	333	11.4	54	91	36	0	0	0	0		
PA ALLENTOWN	77	56	85	47	67	-2	1.2	.4	.9	3.0	181	13.7	71	84	43	0	0	2	1		
ERIE	69	53	81	47	61	-3	2.6	1.7	1.9	2.8	151	17.8	110	92	47	0	0	5	1		
HARRISBURG	76	60	86	47	68	-2	.4	-5.3	2.0	109	16.2	91	85	46	0	0	3	0			
PHILADELPHIA	79	58	85	52	68	-3	.3	-6.3	1.1	58	12.6	68	88	43	0	0	1	0			
PITTSBURGH	71	52	81	45	61	-6	1.1	.4	.8	1.4	84	15.0	87	90	51	0	0	5	1		
SCRANTON	72	53	83	43	63	-4	.3	-5.2	.8	50	13.4	91	88	41	0	0	4	0			
RI PROVIDENCE	75	55	85	49	65	-1	.1	-6.1	1.6	110	14.1	67	83	37	0	0	1	0			
SC CHARLESTON	87	70	96	64	79	1	1.3	-2.6	3.1	101	12.1	57	93	47	3	0	3	1			
COLUMBIA	88	63	96	54	76	-2	.6	-4.6	1.6	74	17.0	74	94	43	3	0	2	1			
FLORENCE	87	66	95	56	77	0	.6	-5.5	1.9	88	12.6	65	93	43	3	0	2	1			
GREENVILLE	85	64	92	55	75	0	1.3	-2.8	2.3	96	16.4	65	80	38	3	0	3	1			
SD ABERDEEN	70	50	79	45	60	-6	.8	-1.8	.9	54	6.5	79	88	46	0	0	2	1			
HURON	74	51	86	47	62	-4	.7	-1.7	1.4	80	9.3	106	86	43	0	0	2	1			
RAPID CITY	75	47	86	35	61	-4	.7	-1.7	1.0	63	4.6	55	74	29	0	0	1	1			
SIoux FALLS	73	51	82	44	62	-6	.6	-3.4	.7	35	12.0	114	87	43	0	0	3	0			
TN CHATTANOOGA	81	59	90	50	70	-5	.6	-2.5	1.2	78	19.1	73	94	47	1	0	2	1			
KNOXVILLE	81	54	91	44	68	-6	.8	-1.6	2.4	126	16.3	68	94	46	1	0	2	1			
MEMPHIS	85	64	94	56	75	-4	1.1	-2.6	1.6	89	23.2	86	85	46	2	0	2	1			
NASHVILLE	84	59	93	48	71	-4	.6	-2.6	.7	37	15.4	62	92	43	3	0	1	1			
TX ABILENE	87	66	95	55	77	-3	T	-6.0	T	1.2	86	11.0	110	76	36	4	0	1	0		
AMARILLO	85	61	94	56	73	-1	.5	-4.3	2.6	144	9.5	125	82	33	3	0	4	0			
AUSTIN	90	70	94	66	80	-1	T	-7.0	T	2.6	153	11.9	80	88	41	5	0	1	0		
BEAUMONT	91	71	94	66	81	0	.7	-1.7	.7	38	22.0	103	95	48	5	0	1	1			
BROWNSVILLE	91	74	95	73	83	0	3.1	2.4	2.7	3.1	219	11.7	138	93	55	5	0	2	1		
CORPUS CHRISTI	89	72	91	71	80	-2	1.6	.8	1.6	89	15.4	141	94	57	3	0	2	1			
DEL RIO	89	69	97	65	79	-4	1.9	1.5	1.9	1.9	216	9.1	134	83	38	4	0	1	1		
EL PASO	99	65	106	59	82	1	T	-1.0	T	0	1.8	106	55	17	6	0	0	0	0		
FORT WORTH	89	67	98	60	78	-3	.6	0.6	3.0	205	16.0	104	84	41	4	0	1	1			
GALVESTON	86	74	89	71	80	-1	.2	-6.1	.2	11	17.3	115	85	60	0	0	2	1			
HOUSTON	91	69	96	63	80	0	1.7	.8	1.7	1.7	82	19.6	97	93	45	5	0	2	1		
LUBBOCK	86	64	94	57	75	-2	.4	-3.4	3.2	220	8.5	121	81	39	3	0	1	0			
MIDLAND	88	65	97	56	76	-3	1.2	.8	1.1	2.2	279	5.5	106	80	34	4	0	2	1		
SAN ANGELO	87	64	96	54	75	-6	.9	.4	.6	1.3	125	9.3	122	90	39	3	0	2	1		
SAN ANTONIO	90	71	94	64	80	-1	1	-7.1	3.3	196	16.4	128	85	40	5	0	1	0			
VICTORIA	93	72	96	70	82	1	1.7	.6	1.5	1.7	72	22.2	149	93	46	6	0	2	1		
WACO	94	67	99	59	81	-1	0	-6.0	0	2.5	166	12.7	80	84	37	7	0	0	0		
WICHITA FALLS	88	65	95	55	77	-3	.1	-6.1	5.6	350	20.9	165	81	39	4	0	1	0	0		
UT BLANDING	90	56	93	50	73	7	0	-1.0	0	0	5.7	127	44	13	5	0	0	0	0		
CEDAR CITY	93	55	97	45	74	9	0	-1.0	T	0	4.9	109	45	12	5	0	0	0	0		
SALT LAKE CITY	87	58	95	54	72	5	0	-2.0	.1	17	7.3	85	60	17	2	0	0	0	0		
VT BURLINGTON	67	53	78	49	60	-4	1.6	.7	1.0	2.4	132	12.9	97	82	52	0	0	4	2		
VA NORFOLK	85	64	92	53	75	1	1.7	.9	1.1	4.0	241	17.2	90	89	42	3	0	3	1		
RICHMOND	85	61	94	47	73	0	1.1	.3	.7	4.1	240	15.7	87	91	46	2	0	4	1		
ROANOKE	82	58	93	46	70	-1	.8	0.4	1.6	92	18.2	101	83	42	2	0	3	0	0		
WA COLVILLE	77	50	82	41	63	3	0	-4.0	1.5	177	6.2	74	72	33	0	0	0	0	0		
QUILLAYUTE	65	46	72	37	56	1	.9	.2	.9	2.2	131	27.5	53	97	54	0	0	2	1		
SEATTLE-TACOMA	70	52	81	47	61	1	.4	-1.2	2.8	377	10.7	58	87	44	0	0	3	0	0		
SPOKANE	76	49	81	42	63	2	T	-3.0	T	.7	93	4.7	55	77	24	0	0	0	0		
YAKIMA	82	49	88	41	65	2	.1	-1.1	.4	123	2.2	54	81	25	0	0	2	0	0		
WV BECKLEY	72	52	82	42	62	-4	1.1	.2	3.3	179	17.8	89	96	56	0	0	5	1	1		
CHARLESTON	79	58	90	44	69	-2	1.3	.6	2.0	132	19.3	100	85	51	1	0	4	1	1		
HUNTINGTON	78	57	89	47	67	-4	1.5	.7	2.4	137	18.0	93	94	53	0	0	5	2	0		
PARKERSBURG	78	60	89	49	69	-1	.5	-6.3	.6	25	14.7	71	87	52	0	0	4	0	0		
WI GREEN BAY	69	47	78	42	58	-6	.2	-5.2	.5	31	11.4	99	74	36	0	0	1	0	0		
LA CROSSE	72	51	79	42	61	-7	.6	-4.5	1.2	60	10.0	80	82	39	0	0	3	0	0		
MADISON	71	49	81	38	60	-5	.8	-1.7	.8	42	12.1	95	84	43	0	0	3	1	1		
MILWAUKEE	71	52	85	43	61	-3	1.1	.3	.7	1.1	64	14.1	106	89	46	0	0	2	1	0	
WAUSAU	68	49	76	40	59	-5	.4	-6.4	.5	23	9.3	75	81	39	0	0	1	0	0		
WY CASPER	78	42	90	31	60	-1	0	-3.0	T	.4	36	3.7	57	81	33	0	0	1	0	0	
CHEYENNE	73	44	85	33	59	-2	T	-5.0	T	.4	7	2.9	37	51	20	1	0	0	0	0	
LANDER	81	50	90	42	65	4	0	-4.0	.1	7	2.9	37	51	20	1	0	0	2	1	0	
SHERIDAN	79	46	86	37	62	2	.9	.4	.6	1.0	83	5.1	62	59	21	0	0	0	0	1	0
PR SAN JUAN	90	77	92	74	84	2	.1	-1.0	.1	.1	4	14.0	74	87	58	4	0	0	1	0	0

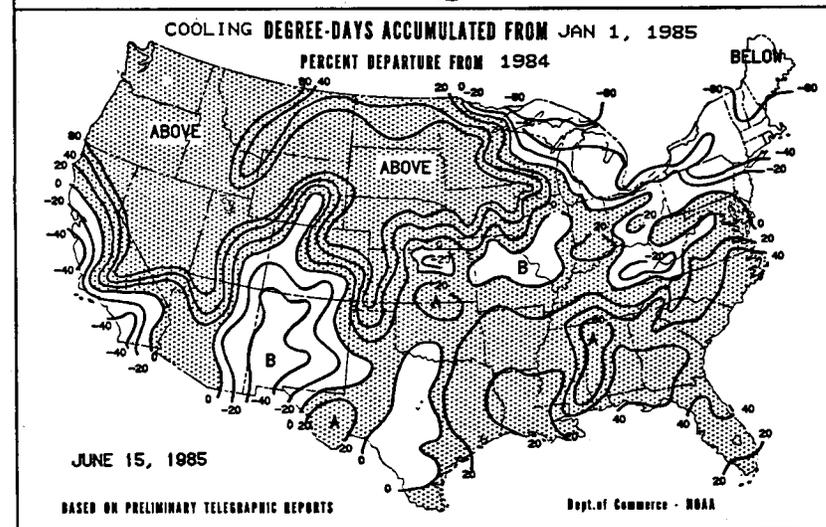
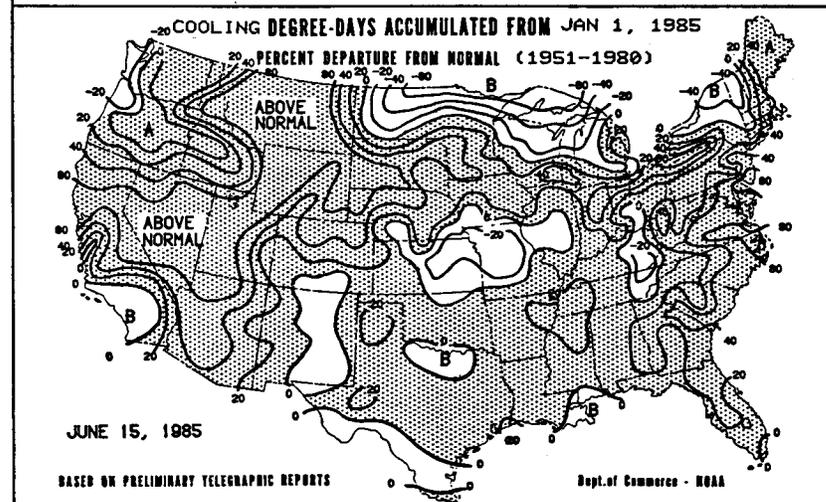
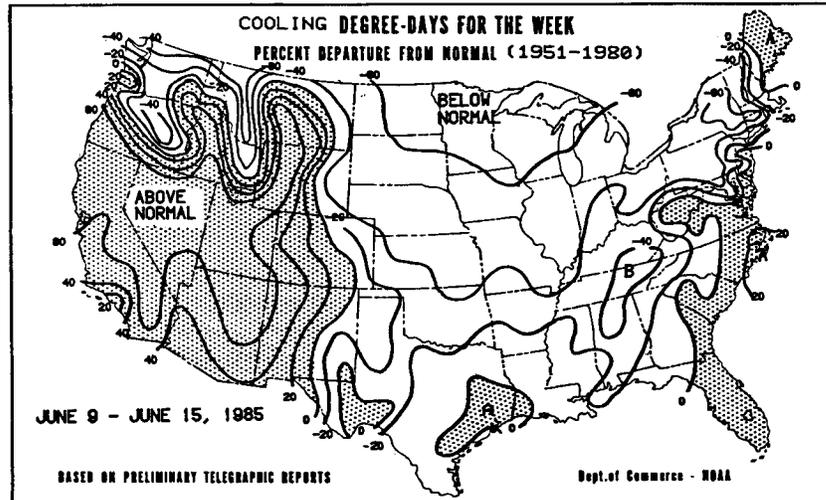
BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

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

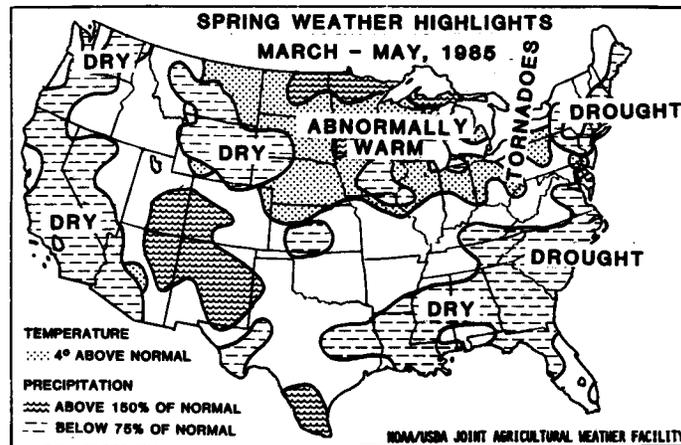
LAST DATE OF DATA COLLECTION PERIOD IS 6-15-1985
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK	WEEK	WEEK	CUM	CUM	CUM	CUM	CUM
		TOTAL	DEV						
			FROM						
			NORM						
			L YR						
AL BIRMINGHAM	BHM	43	-38	-57	475	52	135	12	40
AL MOBILE	MOB	79	-28	-24	729	3	200	0	38
AL MONTGOMERY	MGM	70	-26	-41	670	108	187	19	39
AK ANCHORAGE	ANC	0	0	0	0	0	0	**	**
AK BARROW	BRW	0	0	0	0	0	0	**	**
AK FAIRBANKS	FAI	0	-4	0	9	1	9	**	**
AK JUNEAU	JNU	0	0	0	0	0	0	**	**
AK KODIAK	ADQ	0	0	0	0	0	0	**	**
AK NOME	OME	0	0	0	0	0	0	**	**
AZ FLAGSTAFF	FLG	8	4	8	17	12	15	**	**
AZ PHOENIX	PHX	215	70	54	1372	491	63	56	5
AZ PRESCOTT	PRC	76	54	56	118	66	-50	**	**
AZ TUCSON	TUS	167	46	38	804	183	10	29	1
AZ WINSLOW	INW	93	47	50	171	40	-61	31	-26
AZ YUMA	YUM	194	45	52	1307	262	21	25	2
AR FORT SMITH	FSM	63	-20	-39	400	15	95	4	31
AR LITTLE ROCK	LHI	70	-21	-46	491	56	124	13	34
CA BAKERSFIELD	BFL	140	57	108	435	-28	131	-6	43
CA EUREKA	EKA	0	0	0	13	13	13	**	**
CA FRESNO	FAT	154	89	89	502	197	40	65	9
CA LOS ANGELES	LAX	17	2	1	70	-13	-38	**	**
CA RED BLUFF	RBL	172	100	100	463	140	129	43	39
CA SACRAMENTO	SAC	116	71	83	234	44	-15	23	-6
CA SAN DIEGO	SAN	24	10	-6	96	3	-135	**	**
CA SAN FRANCISCO	SFO	16	14	16	26	24	-15	**	**
CA STOCKTON	SKN	91	38	43	206	-18	-69	-8	-25
CO DENVER	DEN	24	-2	6	79	21	32	**	**
CO GRAND JUNCTION	GJT	70	19	25	169	18	-13	12	-7
CO PUEBLO	PUB	45	1	-1	118	-2	-12	-2	-9
CT BRIDGEPORT	BDP	17	-2	-64	57	7	-75	**	**
CT HARTFORD	BDL	5	-20	-74	49	-21	-82	**	**
DE WILMINGTON	ILG	42	3	-62	243	127	35	109	17
DC WASHINGTON	DCA	47	-15	-82	313	89	15	40	5
FL APALACHICOLA	AQQ	92	-10	5	704	19	233	3	49
FL DAYTONA BEACH	DBF	107	9	39	968	128	403	15	71
FL FORT MEYER	FMY	125	13	11	1437	211	303	17	27
FL JACKSONVILLE	JAX	102	6	25	850	186	275	28	48
FL KEY WEST	EYW	192	17	31	1820	62	180	4	11
FL MIAMI	MIA	120	8	8	1455	-9	-175	-1	14
FL ORLANDO	MCO	112	2	24	1087	-9	292	-1	37
FL TALLAHASSEE	TLH	92	-8	-9	777	105	219	16	39
FL TAMPA	TPA	126	16	12	1273	209	291	20	30
FL WEST PALM BEACH	PBI	119	14	21	1325	65	220	5	20
GA ATLANTA	ATL	59	-14	-42	484	121	165	33	52
GA AUGUSTA	AGS	87	4	-7	654	221	253	51	63
GA MACON	MCN	86	-9	-17	648	89	150	16	30
GA SAVANNAH	SAV	106	13	17	798	206	249	35	45
HI HILO-HAWAII	IHO	70	0	-4	960	-249	-433	-21	-31
HI HONOLULU-CAHU	HNL	105	7	2	1643	-23	-303	-1	-16
HI KAHULUI-NAUO	OGG	78	-6	-27	1238	-188	-637	-13	-34
HI LIHUE-KAUAI	LHI	91	7	-9	1436	74	-398	5	-22
ID BOISE	BOI	18	1	15	63	13	43	**	**
ID LEWISTON	LWS	20	2	9	81	32	61	**	**
ID POCAHELLO	PIH	4	-3	4	21	1	6	**	**
IL CHICAGO	ORD	8	-25	-33	118	15	3	15	3
IL MOLINE	MLI	17	-27	-42	186	42	30	29	19
IL PEORIA	PIA	23	-23	-44	158	0	-14	0	-9
IL QUINCY	UIX	24	-25	-44	191	8	-20	4	-9
IL ROCKFORD	RFD	7	-24	-28	118	14	13	13	12
IL SPRINGFIELD	SFB	28	-28	-58	205	-13	-9	-6	-4
IN EVANSVILLE	EVV	39	-25	-77	280	8	3	3	3
IN FORT WAYNE	FWA	24	-12	-47	200	78	31	64	18
IN INDIANAPOLIS	IND	29	-15	-54	203	34	36	20	22
IN SOUTH BEND	SNB	14	-20	-39	152	42	1	38	1
IA DES MOINES	DSM	14	-32	-32	155	2	23	1	17
IA DUBUQUE	DBQ	11	-16	-12	103	23	28	22	116
IA SIOUX CITY	SUX	15	-28	-16	162	29	87	**	**
IA WATERLOO	ALO	9	-23	-12	136	40	34	**	**
KS COMCOROIA	CKC	14	-46	-59	131	-64	-39	-13	-23
KS DODGE CITY	DDC	48	-20	-24	253	22	40	10	19
KS GOODLAND	GLD	27	-13	-2	126	25	90	25	250
KS TOPEKA	TOP	23	-38	-45	211	-27	9	-11	4
KS WICHITA	ICT	32	-41	-61	273	-17	53	-6	24
KY BOWLING GREEN	BWG	39	-25	-64	261	-17	27	-6	12
KY LEXINGTON	LXK	31	-18	-66	198	-22	-18	-10	-8
KY LOUISVILLE	SDF	36	-21	-67	265	13	6	5	2
LA ALEXANDRIA	AEX	93	-10	-9	712	37	130	5	22
LA BATON ROUGE	BTR	99	-6	-5	766	36	120	5	19
LA LAKE CHARLES	LCH	113	7	10	836	98	86	13	11
LA NEW ORLEANS	MSY	71	-14	-1	773	-6	180	-1	30
LA SHREVEPORT	SHV	85	-16	-19	641	30	111	5	21
ME CARLEBOU	CAR	0	0	-23	1	1	-40	**	**
ME PORTLAND	PWM	8	5	-47	18	15	-46	**	**
MD BALTIMORE	BWI	40	-6	-68	223	71	9	47	4
MD SALTSBURG	SBT	43	1	-66	243	119	12	96	5
MA BOSTON	BOS	16	-6	-86	68	13	-108	**	**
MA CHATHAM	CRH	2	2	-21	2	2	-28	**	**
MI ALPENA	APN	2	-4	-7	24	20	-24	**	**
MI DETROIT	DTW	12	-14	-43	73	-7	-53	**	**
MI FLINT	FTT	5	-15	-38	67	10	-25	**	**
MI GRAND RAPIDS	GRG	7	-17	-20	96	9	-24	**	**
MI HOUGHTON LAKE	HLL	4	-10	-11	38	-2	-14	**	**
MI LANSING	LIN	5	-18	-36	74	0	-36	**	**
MI MARQUETTE	MQT	0	-4	0	11	-8	-19	**	**
MI MUSKEGON	MKG	4	-15	-7	57	4	10	**	**
MI SAULT ST MARIE	SMH	0	-4	0	4	-13	-19	**	**
MN ALEXANDRIA	AXN	0	-17	-2	52	1	25	**	**
MN DULUTH	DLH	0	0	-1	13	13	3	**	**
MN INT'L FALLS	INL	0	-7	0	1	-27	-10	**	**
MN MINNEAPOLIS	MSP	2	-2	-17	97	12	17	**	**
MN ROCHESTER	RST	2	-22	-3	73	18	51	**	**
MN SAINT CLOUD	STC	1	-13	-5	61	16	18	**	**
MS GREENWOOD	GWO	76	-21	-41	611	42	117	7	24
MS JACKSON	JAN	78	-18	-33	618	35	93	6	18
MS MERIDIAN	MEI	78	-13	-3	625	91	293	17	88
MO CAPE GIRARDEAU	CGI	45	-29	-82	332	17	25	5	8
MO COLUMBIA	COU	22	-31	-64	156	-55	-21	-26	-12
MO KANSAS CITY	MCI	14	-43	-59	166	-60	-11	-27	6
MO SAINT LOUIS	STL	33	-32	-91	283	9	12	3	19
MO SPRINGFIELD	SGF	41	-20	-49	257	8	41	3	14
MT BILLINGS	BIL	20	6	12	86	63	53	**	**
MT GLASGOW	GGL	7	-5	-2	49	23	16	**	**
MT GREAT FALLS	GTF	11	4	11	42	31	22	**	**
MT HAVRE	HVR	7	-5	3	46	21	29	**	**
MT HELENA	HLN	6	2	6	18	11	8	**	**

STATE CITY	CALL	WEEK	WEEK	WEEK	CUM	CUM	CUM	CUM	CUM
		TOTAL	DEV						
			FROM						
			NORM						
			L YR						
MT KALISPELL	FCA	0	-4	0	7	3	7	**	**
MT MILES CITY	MLS	21	-3	6	113	53	73	**	**
MT MISSOULA	MSO	0	-4	0	15	9	15	**	**
NE GRAND ISLAND	GRI	16	-30	-34	170	34	37	25	28
NE LINCOLN	LNK	17	-34	-36	146	-12	19	-8	15
NE NORFOLK	ONK	18	-24	-20	158	35	63	28	66
NE NORTH PLATTE	ONP	14	-43	-25	168	-24	61	-13	57
NE OMAHA	OMA	20	-8	-4	95	33	40	**	**
NE SCOTTSBLUFF	SFB	10	-20	-18	116	49	56	**	**
NE VALENTINE	VIN	10	-20	-18	116	49	56	**	**
NV ELY	ELY	9	5	9	16	12	15	**	**
NV LAS VEGAS	LAS	192	68	88	852	232	75	37	10
NV RENO	RNO	45	38	45	62	41	45	**	**
NV WYNNEMUCCA	WMC	40	26	40	64	24	56	**	**
NH CONCORD	CON	9	0	-49	25	1	-68	**	**
NH ATLANTIC CITY	ACT	39	8	-66	202	121	-2	**	**
NM ALBUQUERQUE	ABQ	30	19	21	176	7	-83	4	-32
NM CLOVIS	CVS	48	-11	-11	179	-6	-10	-3	-5
NM ROSWELL	ROW	64	-31	-25	377	-32	-60	-8	-14
NY ALBANY	ALB	5	-11	-53	45	-6	-40	**	**
NY BINGHAMTON	BGM	4	-7	-46	49	27	-47	**	**
NY BUFFALO	BUF	5	-12	-34	59	8	-45	**	**
NY NEW YORK	LGA	29	-8	-77	152	36	-65	31	-30
NY ROCHESTER	ROC	6	-13	-35	49	-9	-55	**	**
NY SYRACUSE	SYR	2	-16	-31	46	-9	-26	**	**
NC ASHEVILLE	AVL	29	-8	-21	150	19	46	15	44
NC CAPE HATTERAS	HAT	74	15	10	431	197	157	84	57
NC CHARLOTTE	CLT	58	-9	-44	371	53	81	17	28
NC GREENSBORO	GSO	48	-8	-46	304	43	68	16	29
NC NEW BERN	ENB	99	25	-12	612	248	169	68	38
NC RALEIGH DURHAM	DUH	60	1	-33	353	85	76	32	27
NC WILMINGTON	ILM	95	17	8	653	237	277	57	74
ND BISMARCK	BIS	0	-15	-6	29	-9	10	**	**
ND FARGO	FAR	0	-18	-8	55	2	30	**	**
ND GRAND FORKS	GFK	1	-18	-2	59	-3	31	**	**
ND WILLISTON	ISM	5	-9	2	35	0	14		



SPRING WEATHER REVIEW
March, April, May, 1985

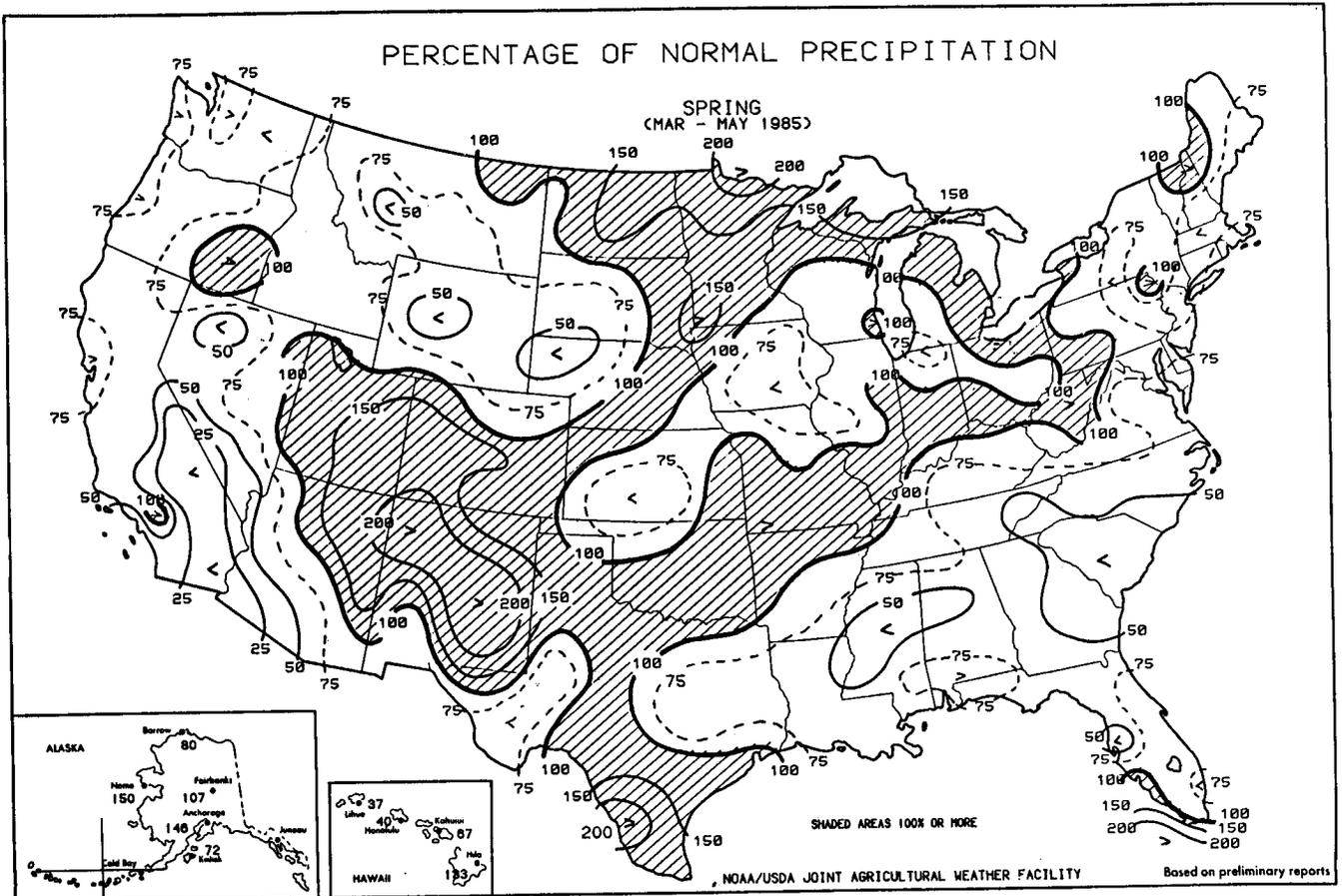
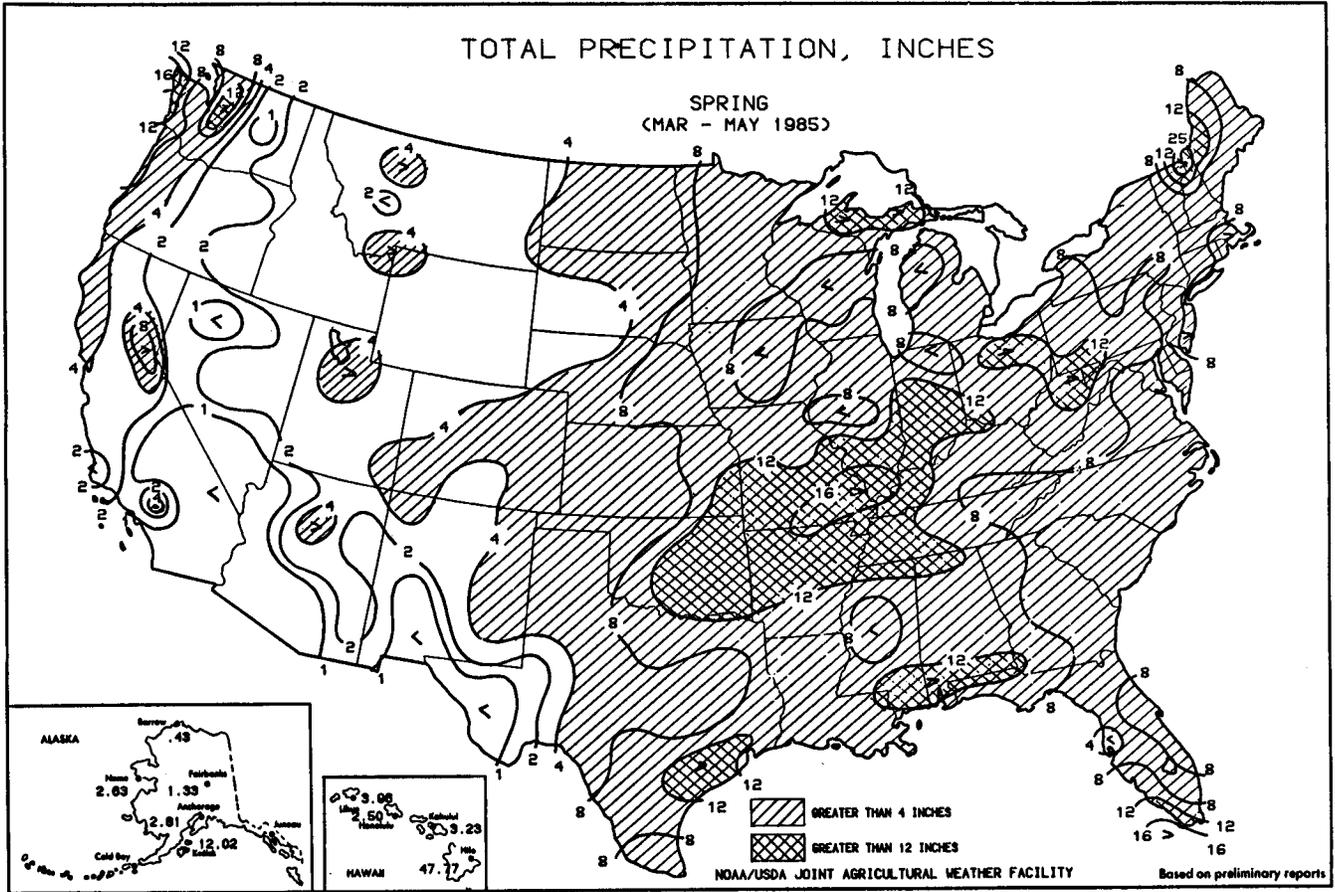


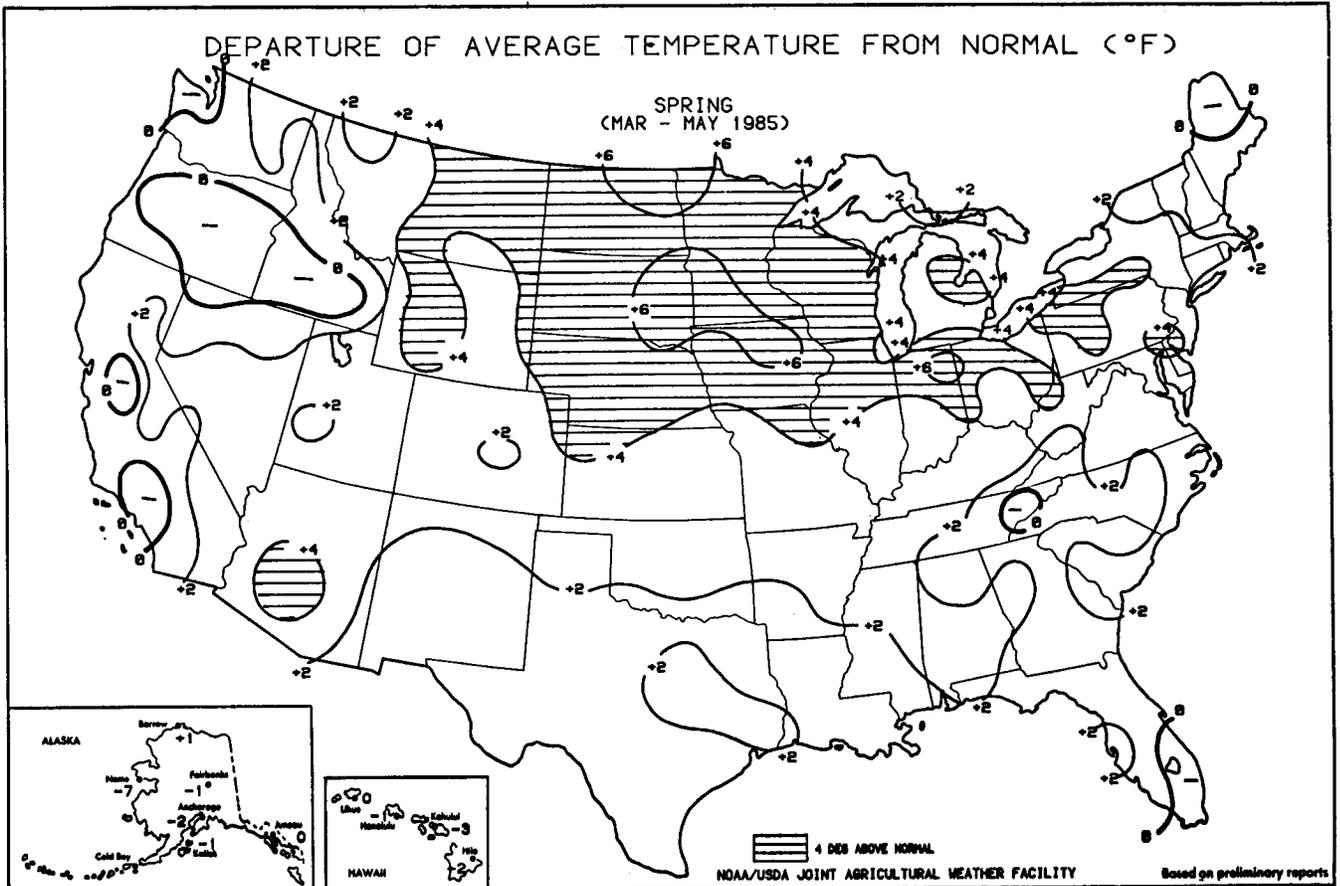
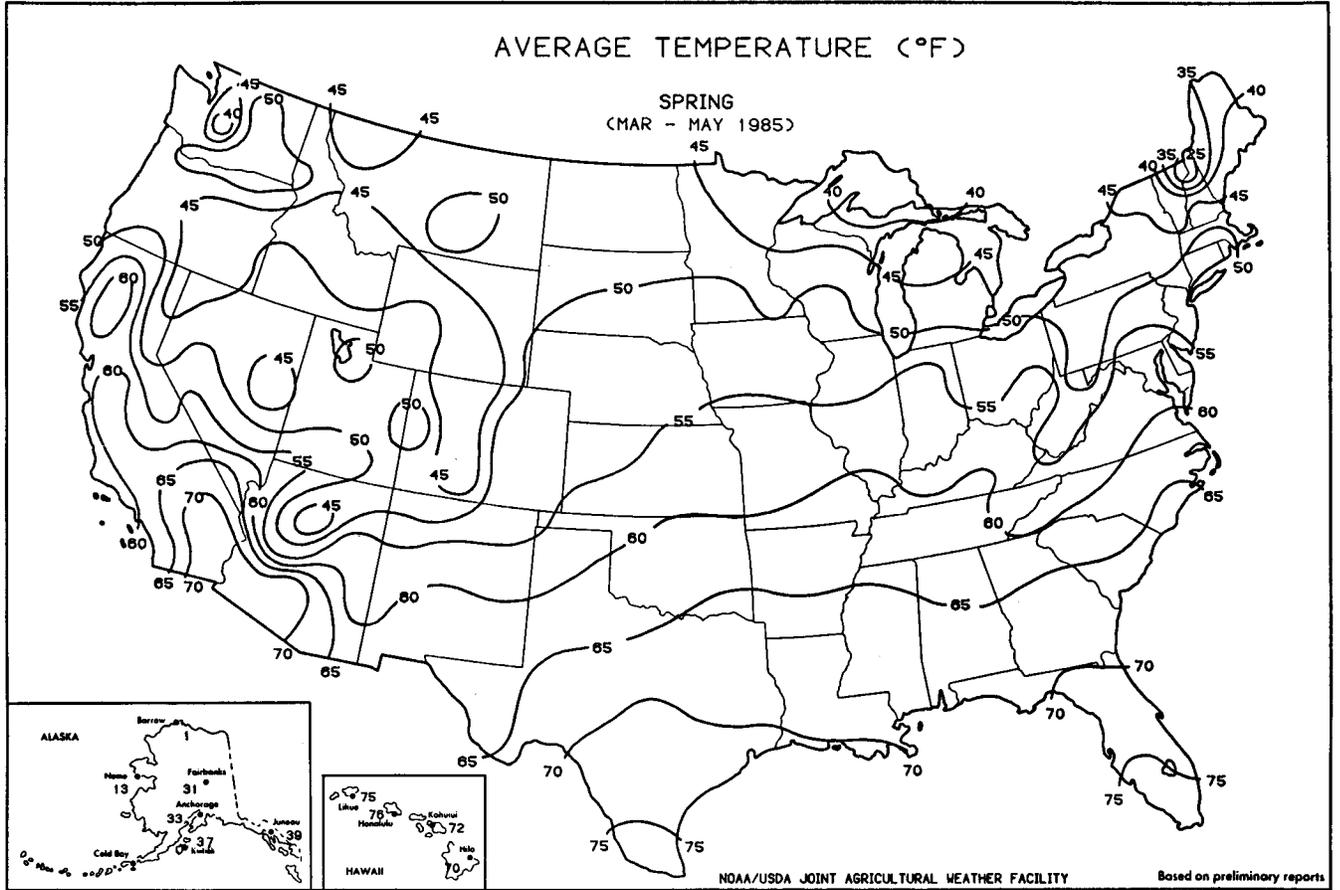
HIGHLIGHTS: Dry weather prevailed from the lower Mississippi Valley through the Southeast and along the east coast. Although rains in the last month of the season relieved agricultural drought in the mid-Atlantic States and New England, drought persisted in water storage facilities. Dry weather also continued from western Nebraska through Montana and the west coast. It was also somewhat dry from central Kansas through Iowa. Showers and thunderstorms brought normal or better rain to the central and southern Rockies and northeastward through Oklahoma, the Ohio Valley, and into Ontario, Canada. Severe weather from the upper Ohio Valley into Canada damaged property and took many lives. Rain was also adequate from the eastern portion of the northern Plains through the Great Lakes. Most of the Nation was warmer than normal causing early crop development. It was 4-6 degrees warmer than normal from the lower Great Lakes region to the northern Plains.

MARCH... Heavy rain fell in parts of the central and southern Plains. Nearly twice the normal amount of rain fell from south central Texas through most of Oklahoma, southeastern Kansas and southern Missouri, leaving many fields too wet. Moderate to heavy rain through the Corn Belt and heavy snow over the upper Great Lakes swelled rivers and flooded areas south of the Lakes. Florida remained dry until beneficial rains fell during the third week, but more rain is needed. In contrast, very dry weather covered the Southeast and along the east coast through New England. Inland areas of the Northeast had above-normal precipitation. Beneficial precipitation fell on some of the very dry parts of the northern High Plains, but amounts were light and more rain is needed. Precipitation was less than half of normal from northwestern Kansas and southwestern Nebraska to central Wyoming. Temperatures were warmer than normal in nearly all of the Nation. As much as 10-12 degrees warmer in the northern Plains. Only the central and northern Plateau of the Far West were cooler than normal.

APRIL... It was a very dry month in much of the Nation. From west central Texas to the east coast, from Iowa to the east coast, and all of the East Coast States, less than half the normal precipitation fell. Much of the East Coast States had less than one-fourth the usual rainfall. Severe water shortages plagued the East, and parts of the mid-Atlantic and northeastern areas measured extreme drought. It was also dry in the West and most of the northern Plains. Very beneficial rain fell in peninsula Florida. Showers and thunderstorms brought well-above-normal rain to the area from the eastern part of the Southwest to the upper Mississippi Valley and over southern Texas. Temperatures were above normal in most of the Nation. They averaged 6-8 degrees above normal in the Southwest and across the northern States.

MAY... Rain came to much of the drought stricken northeastern section of the Nation. Adequate rain fell for most agricultural interests, but water storage facilities were still very short. Dry weather persisted in most of the Southeast and returned to Florida. A storm moved eastward from the northern High Plains through the Great Lakes and to the mid-Atlantic States. Showers and thunderstorms accompanying the storm brought much needed rain to parts of Montana and the northern Plains, but triggered very severe weather from the upper Ohio Valley to southern Ontario, Canada. Tornadoes in this area damaged property and took many lives in Ohio, Pennsylvania, New York and Canada. Thunderstorms were widespread throughout the Plains. Flooding rain, hailstorms and tornadoes damaged isolated areas but high winds were more widespread throughout the Plains. Most of the Nation had near normal average temperatures, but it was much-warmer-than normal in the northern Plains. As the month ended, a hot spell settled over the South and Southeast. Record-hot-afternoon temperatures in the Southeast exacerbated dry conditions there.





National Agricultural Summary

June 10 to 16

HIGHLIGHTS: Rain slowed field activities from the Great Plains, through the Delta States, and eastward. Heavy rain in Oklahoma and Texas caused flooding and the replanting of cotton and other crops. Much of the west was without rain which provided excellent conditions for harvesting small grains, especially in California and Arizona. Fieldwork was limited to 3 days or less in the Corn Belt and Appalachian States. Farmers in most other areas worked 4-6 days. Soil moisture was adequate in most areas but remained short in some Southeastern and Western States.

Winter wheat was mostly good, except in the Northwest Mountain States and South Dakota where conditions were mostly fair. Wheat was 94 percent (%) headed in 16 of the 18 major producing States, 2 points ahead of normal and 16 points ahead of last year. Sixteen percent of the wheat was harvested in the 18 major producing States, compared with 12% in 1984 and 10% normally. Corn rated good and good to excellent in most Corn Belt States. Some corn in Georgia reached dent. Soybean seeding was 89% finished, ahead of last year's 81% and the 81% average. Sorghum was 82% seeded in the 7 major producing States, 5 and 6 points ahead of last year and the average, respectively. Cotton seeding advanced to 96% completion, compared with 98% in 1984 and the 99% average. Squares prevailed on 27% of the acreage, compared with 16% last year and 19% normally. Rice emergence neared completion in the 5 major producing States. Livestock were mostly good. Additional moisture improved pastures in most Southeastern States.

SMALL GRAINS: Winter wheat was mostly good, except in the Northwest Mountain States and South Dakota where conditions were mostly fair. Insufficient moisture reduced wheat conditions to poor in Montana. Winter wheat was 94% headed in 16 of the 18 major producing States, 2 points ahead of normal and 16 points ahead of last year. Heading was virtually complete in 15 of the 18 States. Idaho and Montana wheat was about one-third headed and heading was slightly more than two-thirds complete in Washington. Sixteen percent of the wheat was harvested in the 18 major producing States, compared with 12% in 1984 and 10% normally. Wheat was rapidly harvested throughout the Southeast and Southwest, equaling or exceeding last year and the average. Harvest ranged from 1% complete in Illinois to 99% complete in Louisiana. Excessive moisture delayed harvest and reduced quality in Oklahoma and caused severe lodging in Texas.

Spring wheat was mostly good. Idaho and Minnesota spring wheat advanced to the heading stage.

CORN: Corn was mostly good and good to excellent in most Corn Belt States. Additional moisture and warmth continued pushing development ahead of normal in most areas. Silking became more widespread across the South and some corn in Georgia reached dent.

SOYBEANS: Soybean seeding in the 19 major producing States was 89% finished, ahead of last year's 81% and the 81% average. However, seeding was 5 points behind normal in South Carolina. Seeding was complete in Iowa, Nebraska and South Dakota. Soybeans were good to excellent in the Corn Belt and fair to good in the South.

SORGHUM: Sorghum was 82% seeded in the 7 major producing States, 5 and 6 points ahead of last year and the average, respectively. Seeding was

ahead of the normal pace in all States except Texas which equalled the average. Sorghum planting resumed in the Texas' High Plains and some replanting may be necessary because of excessive moisture. Harvest is expected to begin in the Rio Grande Valley in about 2 weeks.

COTTON: Cotton seeding advanced to 96% completion, compared with 98% in 1984 and the 99% average. Planting was finished in all States except Oklahoma, and Texas. Squares prevailed on 27% of the acreage, compared with 16% last year and the 19% average. Heavy rain flooded cotton in Texas and Oklahoma. Oklahoma producers were expected to replant to cotton, but some fields in Texas were replanted to other crops. Early planted fields in Alabama, Georgia, and Arizona set bolls.

OTHER CROPS: Rice emergence neared completion in the 5 major producing States. Ninety seven percent of the rice emerged, compared with 99% last year and the average. Peanuts were mostly planted in the Southeast. Flooding caused some replanting in Oklahoma. Georgia's peanut crop was the most advanced, with 68% blooming and 27% pegging.

Tobacco transplanting continued for burley and other kinds. Flue-cured tobacco was 5% harvested in Georgia, 3 points ahead of last year and equalling the average. Kentucky's burley tobacco was 92% set, compared with 88% last year and the 82% average. Crop condition was good with minor damage from cutworms, leaf hoppers, and flea beetles. North Carolina's tobacco was mostly good.

Hay cutting continued advancing but was slowed in the eastern half of the Nation by rain. Rain damaged some cut hay.

FRUIT AND NUTS: Peach harvest continued gaining momentum across the Southeast. Peaches were 35% harvested in Georgia, 25% in Louisiana, 21% in Mississippi and 17% in South Carolina. Early peach varieties were harvested in Texas, while late varieties continued maturing.

Florida's citrus groves received abundant rain, relieving much of the stress caused by excessive heat and dryness. Rain slowed the Valencia orange harvest. California fruit harvest centered around peaches, plums, grapefruit, nectarines, lemons, Valencia oranges, and Coachella Valley table grapes. Arizona's fruit producers packed Valencia oranges and small volumes of grapefruit.

VEGETABLES: Vegetables developed on schedule in the Corn Belt. Ohio's producers harvested cabbages, broccoli, radishes, and lettuce. Some sweet corn began forming ears.

Florida vegetable harvest continued its seasonal decline, with shipments down 30% from the previous week. Rain covered most of Florida's vegetable areas but more rain was needed.

Texas' Rio Grande Valley tomato, okra, pepper, and cucumber harvests continued. Melon harvest was active in the Rio Grande Valley and San Antonio-Winter Garden areas. Other mixed-vegetables were harvested in the Plains and Winter Garden regions.

California broccoli and lettuce harvests continued fairly heavy but was slowed by weak market demand. Processing tomatoes were harvested in the Imperial Valley, and market tomatoes were actively harvested in the desert and south coast. Harvest increased in the Southern San Joaquin Valley. Arizona vegetable harvest consisted of cantaloups, honeydew melons, crenshaws, watermelons, lettuce, and potatoes.

(continued on back cover)

CROP PROGRESS

FOR WEEK ENDING JUNE 16, 1985

	RICE % EMERGED		
	1985	1984	AVG.
ARK	94	100	100
CALIF	98	98	95
LA	100	99	98
MISS	100	98	96
TEX	100	100	100
5 STATES	97	99	99

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

	SORGHUM % PLANTED		
	1985	1984	AVG.
ARK	96	92	93
KANS	65	65	55
MO	85	83	74
NEBR	100	75	90
OKLA	75	70	70
S DAK	84	55	83
TEX	91	91	91
7 STATES	82	77	76

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

	COTTON % PLANTED		
	1985	1984	AVG.
ALA	100	100	100
ARIZ	100	100	99
ARK	100	100	100
CALIF	100	100	100
GA	100	98	99
LA	100	100	100
MISS	100	100	100
MO	100	100	100
N MEX	100	100	100
N C	100	100	100
OKLA	80	50	75
S C	100	100	100
TENN	100	100	100
TEX	93	100	100
14 STATES	96	98	99

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

	COTTON % SQUARING		
	1985	1984	AVG.
ALA	38	13	22
ARIZ	89	70	55
ARK	41	9	10
CALIF	50	20	18
GA	66	43	59
LA	39	7	18
MISS	42	11	28
MO	4	15	10
N MEX	0	0	1
N C	18	7	5
OKLA	3	0	0
S C	46	14	46
TENN	8	1	5
TEX	13	15	16
14 STATES	27	16	19

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

	WINTER WHEAT % HEADED		
	1985	1984	AVG.
ARK	100	100	NA
CALIF	100	100	100
COLO	99	82	89
GA	100	100	100
IDAHO	33	23	39
ILL	100	100	100
IND	100	98	98
KANS	100	99	99
MICH	97	85	81
MO	100	98	99
MONT	35	25	30
NEBR	100	96	96
OHIO	99	90	95
OKLA	100	100	100
OREG	94	92	92
S DAK	99	56	81
TEX	100	100	100
WASH	70	57	79
18 STATES	94	89	NA

EXCL. STATES WITH NA 94 88 92

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

	WINTER WHEAT % HARVESTED		
	1985	1984	AVG.
ARK	77	39	45
CALIF	20	25	16
COLO	0	0	0
GA	86	73	80
IDAHO	0	0	0
ILL	1	1	1
IND	0	0	0
KANS	3	0	2
MICH	0	0	0
MO	6	0	6
MONT	0	0	0
NEBR	0	0	0
OHIO	0	0	0
OKLA	40	30	15
OREG	0	0	0
S DAK	0	0	0
TEX	54	49	34
WASH	0	0	0
18 STATES	16	12	10

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

	SOYBEANS % PLANTED		
	1985	1984	AVG.
ALA	79	70	78
ARK	76	72	61
GA	84	75	78
ILL	94	91	91
IND	93	93	85
IOWA	100	90	93
KANS	70	70	55
KY	58	60	56
LA	90	88	80
MICH	98	90	88
MINN	96	94	96
MISS	86	77	73
MO	83	65	69
NEBR	100	75	90
N C	72	70	71
OHIO	98	90	85
S C	68	70	73
S DAK	100	64	92
TENN	70	65	60
19 STATES	89	81	81

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

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: Rain less than 0.50 to 3.00 in. Temperatures 3 to 5° below normal.

Fieldwork: 4.7 days. Soil moisture 40% short, 58% adequate, 2% surplus. Sorghum planted 85%, 75% 1984, 69% avg. Soybeans planted 79%, 70% 1984, 78% avg. Wheat harvested 74%, 61% 1984, 54% avg. Corn silked 48%, 32% 1984, 36% avg. Cotton squaring 38%, 13% 1984, 22% avg. Cotton setting bolls 5%. Peanuts pegging 19%, 6% 1984. Activities: Planting soybeans and sorghum; crop cultivation; harvest of hay, wheat, fruit, vegetables; routine care for livestock and poultry. Corn 11% very poor, 25% poor, 43% fair, 21% good; soybeans 4% very poor, 8% poor, 49% fair, 39% good; cotton 4% poor, 27% fair, 67% good, 2% excellent; peanuts 10% poor, 30% fair, 60% good; wheat 2% very poor, 7% poor, 59% fair, 32% good; sorghum 4% poor, 40% fair, 56% good; pastures 23% poor, 50% fair, 27% good; livestock 6% poor, 49% fair, 43% good, 2% excellent.

ALASKA: Temperatures cooler than normal, heaviest rainfall Tanana, Matanuska Valleys. Cloudy, cool with shower activity general throughout rainbelt.

Topsoil moisture supplies: 10% short, 80% adequate, 10% surplus. Subsoil moisture supplies 80% adequate, 20% surplus. Five to 7 days available for fertilizing, seeding, spraying herbicides. Oats, barley emergence avg. 75% Tananato, 95% Matanuska. Crop growth slow to mostly moderate condition generally below average. Winter kill damage to hayfields ranged nothing to moderate.

ARIZONA: Heat wave continued. Temperatures 90° in high country, middle to upper 90's 5,000 ft. 110 to 118° in lower deserts and along Colorado River. Sunny skies except for isolated thunderstorms over White Mountains 12th, 13th with very light rain. Average temperatures mostly 2 to 10° above seasonal normals.

Cotton 100% planted, 100% 1984, 99% avg.; 89% squaring, 70% 1984, 55% avg. Crop 55% good, 45% excellent. Some acreage setting bolls. Insect damage light to moderate. Irrigation, cultivation active. Wheat, barley 75% harvested. Yields average or below. Alfalfa harvest active, ideal weather conditions. Stands good condition. Some stacking hay for sale later. Table potato harvest complete, chipper potato digging active; good quality, yield. Spring melon harvest full swing. Cantaloup, honeydew, crenshaw, watermelons packed. Quality excellent; good size, color, sugar. Grape picking advanced. Quality excellent, good size, color, sugar. Lettuce movement from Willcox area complete. Citrus harvest complete Yuma area; small volume grapefruit. Valencia oranges harvested Salt River Valley.

ARKANSAS: Temperatures 2 to 8° below normal. Rainfall spotty, light. Temperatures extremes: 45°; 100°. Precipitation none to 1.56 in.

Soil moisture 44% short, 44% adequate, 12% surplus. Days suitable for fieldwork 6.0. Rice 94% emerged, 100% 1984, 100% avg. Cotton 100% planted, 100% 1984, 100% avg. Cotton 41% squared, 9% 1984, 10% avg. Winter wheat 100% headed, 100% 1984, none avg. Winter wheat 77% harvested, 39% 1984, 45% avg. Sorghum 96% planted, 92% 1984, 93% avg. Soybeans 76% planted, 72% 1984, 61% avg. Livestock good condition.

CALIFORNIA: Strong high pressure kept temperatures well above normal for State. Weather very dry with no rain. Temperatures ranged from a low of 37° Alturas to 117° Blythe.

Another excellent week for fieldwork. Harvesting of wheat, barley, oats continued. Wheat 100% headed, 100% 1984, 100% avg.; 20% harvested, 25% 1984, 16% avg. Rice 98% emerged, 98% 1984, 95% avg. Cotton 100% planted, 100% 1984, 100% avg.; 50% squared, 20% 1984, 18% avg. Corn, safflower continued showing good progress. Alfalfa cut for hay, green chopped. Apricot, Coachella Valley table grape, nectarine, Freestone peach, plum, summer grapefruit, south coast lemon, Valencia orange harvests active. Spraying grapes, irrigation; weed control active in almonds, walnuts. Artichokes light supply. Broccoli fairly heavy supply, some harvest curtailment due to market conditions. Cantaloup harvest increased desert. Carrot harvest increased San Joaquin Valley. Cauliflower moderate supply, some diversion to freezers. Desert sweet corn harvest full swing. Lettuce fairly heavy supply, some harvest curtailment due to market conditions. Dry market onion harvest increased San Joaquin Valley. Harvest dehydrator onions started desert. Spring potato harvest active Kern district. Market tomato harvest active desert, south coast, increasing southern San Joaquin Valley. Processing tomato harvest started Imperial Valley. Rangeland lower elevations very dry, fire hazard extremely high. Stockwater supplies continued short Foothill Valley districts. Pasture, water supplies summer grazing area good. Movement livestock summer pastures, market continued active.

COLORADO: Dry period statewide with few showers and thunderstorms. Temperatures were 2 to 4° above normal except northeast near normal.

Days suitable for fieldwork 6.0. Soil moisture 39% short, 60% adequate, 1% surplus. Winter wheat 11% fair, 35% good, 54% excellent; 99% headed, 82% 1984, 89% avg.; 40% turning color, 3% 1984, 13% avg. Corn 13% fair, 30% good, 57% excellent. Sorghum 88% planted, 81% 1984, 77% avg. Barley 54% headed, 30% 1984, 33% avg. Dry beans 88% planted, 75% 1984, 72% avg. Alfalfa hay 55% cut one time, 35% 1984, 37% avg. Livestock in good condition.

FLORIDA: The 10th final day of record breaking temperatures of 100° with no rain. On 11th, interaction between a surface system, eastern Gulf and an upper level disturbance began 3 day stint of first significant rains for 1985. By late 13th, rains slackened but during 3-day period, 4.00 to 7.00 in. of much welcome rainfall fairly evenly distributed central Peninsula with 2.00 to 4.00 in. statewide. Daytime temperatures low 80's, with 70's at night during heavy rains. Drying began on 14th, ending with mostly sunny conditions through 16th. Rainfall during 3 day period equivalent to June monthly normal many locations, but much more rain needed to raise ground water levels, most areas. Rainfall relieved dry conditions.

Irrigated corn excellent condition, non-irrigated corn variable condition depending upon maturity stage. Soybean planting resumed, crop generally good condition. Peanuts, cotton good condition. Tobacco mostly good condition;

harvest underway. Hay production improving with recent rainfall. Ranchers received some relief from drought as welcome thundershowers occurred. Pasture condition fair to good Panhandle, good to excellent lower southern Peninsula. Conditions remain poor to fair elsewhere but expected to improve with continued showers. Cattle mostly fair condition, improving. Most citrus groves received abundant rain this week, with 4.00 to 6.00 in. some areas. Cloudy weather provided heat relief from 1000 in-grove temperatures. Valencia harvest slowed due to rains. Light to moderate, scattered showers vegetable areas. Rainfall accumulations averaged 2.00 to 5.00 in. Overall shipments declined 30% from previous week. Most crops winding down for season. Sweet corn, watermelon harvest continued at moderate level. Potato digging nearing completion Hastings area. Most cabbage, cucumbers harvested. Overall supplies will continue decreasing to end of season, early July.

GEORGIA: Rain totals 2.00 to 4.00 in. common extreme south, northeast mountains; mostly 1.00 to 1.50 in. or less elsewhere except portions of central, northwest less than 0.50 in. Temperatures 2 to 40 cooler than normal. Record low temperatures north, central mornings of 13th, 14th.

Soil moisture 18% very short, 50% short, 32% adequate. Days suitable for fieldwork 5.2. Main activities: Small grain harvest, haying, planting, weed and insect controls. Corn 86% silked, 57% 1984, 62% avg.; 46% dough, 21% 1984, 28% avg.; 7% dent, none 1984, 6% avg.; 10% very poor, 20% poor, 36% fair, 33% good, 1% excellent. Cotton 66% squaring, 43% 1984, 59% avg.; 3% setting bolls, none 1984, 7% avg.; 2% poor, 33% fair, 45% good. Grain sorghum 85% planted, 74% 1984, 72% avg.; 1% very poor, 3% poor, 57% fair, 38% good, 1% excellent. Peanuts 68% blooming, 54% 1984, 62% avg.; 27% pegging, 14% 1983, 19% avg.; 2% poor, 42% fair, 56% good. Soybeans 84% planted, 75% 1984, 78% avg.; 1% very poor, 5% poor, 59% fair, 34% good, 1% excellent. Tobacco 5% harvested, 2% 1984, 5% avg.; 13% poor, 48% fair, 39% good. Watermelons 7% harvested, 4% 1984, 6% avg.; 5% poor, 52% fair, 43% good. Wheat 86% harvested, 73% 1984, 80% avg.; 3% very poor, 12% poor, 44% fair, 40% good, 1% excellent. Rye 6% poor, 58% fair, 36% good. Other small grains 5% very poor, 10% poor, 47% fair, 36% good, 2% excellent. Apples 3% very poor, 9% poor, 54% fair, 34% good. Peaches 35% harvested, 40% 1984, 40% avg.; 20% very poor, 20% poor, 35% fair, 23% good, 2% excellent. Pastures 2% very poor, 17% poor, 54% fair, 26% good, 1% excellent. Hay 1% very poor, 20% poor, 50% fair, 28% good, 1% excellent. Cattle 1% very poor, 2% poor, 35% fair, 62% good. Hogs 3% poor, 29% fair, 68% good.

HAWAII: Hot, dry weather continued to prevail over most parts of State. Conditions not totally dry as a few light showers windward and mountainous areas of all islands. Temperatures averaged above normal every day, but no new daily record highs recorded. Heavily irrigated crops made good progress under sunny skies, non-irrigated crops able to make only fair progress. Spraying also heavy with insect infestations increasing some fields. Head cabbage production expected to remain moderately heavy through next week. Crop condition generally good. Head lettuce supplies moderate to steady. Papaya production expected increase seasonally. Banana production will continue light, but will show a slight increase.

IDAHO: Very dry across State with normal or slightly above normal temperatures. All areas below normal precipitation, as much as 0.50 in.

below normal. Only rain in north on 10th.

Days suitable for fieldwork 7.0. Dry beans 98% planted, 82% 1984, 90% avg.; 82% emerged. Oats 95% emerged. Corn 92% emerged. Potatoes 75% emerged. Sugarbeets 73% thinned. Alfalfa first cutting 36% harvested, 20% 1984, 29% avg. Winter wheat 33% headed, 23% 1984, 39% avg. Spring wheat 2% headed; barley 5% headed. Winter wheat 27% fair, 69% good, 4% excellent. Spring wheat 44% fair, 48% good, 8% excellent. Barley 7% poor, 41% fair, 48% good, 4% excellent. Potatoes 4% poor, 13% fair, 78% good, 5% excellent. Grasshopper infestation severe south central, moderate severe southwest, moderate east. Range, pasture improving; some areas still dry. Livestock good.

ILLINOIS: Temperatures 8 to 120 below normal, coolest central and northeast. Precipitation 0.50 to 4.13 in., mostly south.

Days suitable for fieldwork 3.5. Soil moisture 38% short, 31% adequate, 31% surplus. Corn height of all fields 24 in., 12 1984, 16 avg.; height most advanced fields 38 in., 20 1984, 25 avg.; 11% fair, 68% good, 21% excellent. Soybeans planted 94%, 91% 1984, 91% avg.; 1% poor, 15% fair, 74% good, 11% excellent. Winter wheat headed 100%, 100% 1984, 100% avg.; filled 98%, 84% 1984, 94% avg.; turning yellow 80%, 39% 1984, 64% avg.; ripe 25%, 3% 1984, 12% avg.; 6% poor, 19% fair, 65% good, 10% excellent. Oats headed 90%, 48% 1984, 57% avg.; filled 60%, 19% 1984, 24% avg.; turning yellow 7%, 2% 1984, 1% avg.; 3% poor, 25% fair, 62% good, 10% excellent. Alfalfa first crop cut 96%, 83% 1984, 77% avg.; second crop 10% cut, 5% 1984, 4% avg.; 23% fair, 60% good, 17% excellent. Clover hay cut 75%, 73% 1984, 62% avg.; 2% poor, 18% fair, 66% good, 14% excellent. Sorghum grain planted 70%, 83% 1984, 71% avg. Pasture 3% poor, 21% fair, 60% good, 16% excellent.

INDIANA: Temperatures averaged 5 to 80 below normal. Average maximums upper 60's to upper 70's. Average minimums low 50's to 60's. Highest readings in 80's. Rainfall over entire State. Totals from 1.02 south central to 2.03 northeast. Soil temperatures mid, upper 60's.

Fieldwork averaged 2.9 days. Topsoil moisture 13% short, 47% adequate, 40% surplus. Subsoil moisture 21% short, 56% adequate, 23% surplus. Corn 100% planted. Soybeans 93% planted, 93% 1984, 85% avg. Soybeans 96% emerged, 75% 1984, 75% avg. Soybeans 5 in. tall, 3 in. 1984, 3 in. avg. Soybean condition 2% poor, 32% fair, 62% good, 4% excellent. Corn 100% emerged, 94% 1984, 93% avg. Corn height 20 in., 11 in. 1984, 13 in. avg. Corn 1% poor, 26% fair, 66% good, 7% excellent. Wheat 4% poor, 27% fair, 63% good, 6% excellent. Wheat 100% headed, 98% 1984, 98% avg. Wheat none harvested, none 1984, none avg. Wheat 73% turning color, 15% 1984, 40% avg. Wheat 5% ripe, none 1984, none avg. Tobacco 75% set, 55% 1984, 65% avg. Alfalfa hay 90% cut once, 80% 1984, 70% avg. Clover hay 70% cut, 50% 1984, 55% avg.

IOWA: Cool, cloudy week with frequent showers, thunderstorms. Some damaging hail. Temperatures average 60 sub-normal ranging from 370, 13th to 910 16th. Heaviest showers over central counties. Daily evaporation 0.25 in.

Days suitable for fieldwork 5.0. Topsoil moisture 47% short, 52% adequate, 1% surplus. Subsoil moisture 35% short, 63% adequate, 2% surplus. Corn acreage cultivated 80%, 18% 1984, 43% avg. Corn average height 19 in. Corn 2% poor, 13% fair, 69% good, 16% excellent. Soybean acreage planted 100%, 90% 1984, 93% avg. Soybean acreage emerged 99%, 81% 1984, 81% avg.; cultivated 30%; replanted 3%; 3% poor, 24% fair, 60% good, 13% excellent. First crop alfalfa hay harvested 96%, 33% 1984, 59% avg. First crop

clover hay harvested 60%, 13% 1984, 30% avg. Hay 1% very poor, 5% poor, 37% fair, 48% good, 9% excellent. Winter wheat 2% poor, 24% fair, 61% good, 13% excellent. Oat acreage headed 85%, 17% 1984, 42% avg.; 2% poor, 25% fair, 56% good, 17% excellent. Pasture 5% very poor, 15% poor, 36% fair, 36% good, 8% excellent. Livestock good condition.

KANSAS: Precipitation averaged 0.20 in. northwest, 1.00 to 1.75 in. south, 0.50 to 1.00 in. elsewhere. Temperatures ranged 68° four northeast districts, to 74° southwest; 10° above to 20° below normal west, 5 to 6° below normal central, east.

Days suitable for fieldwork 3.5. Soil moisture 7% short, 62% adequate, 31% surplus. Wheat 99% turning color, 35% 1984, 55% avg.; 30% ripe, 3% 1984, 10% avg.; 3% harvested, none 1984, 2% avg.; 4% very poor, 3% poor, 5% fair, 19% good, 69% excellent. Corn 100% planted, 99% 1984, 97% avg. Sorghum 65% planted, 65% 1984, 55% avg. Soybeans 70% planted, 70% 1984, 55% avg. Range, pasture excellent.

KENTUCKY: Wet, cool weather. Temperatures wide range, highs reaching around 90, lows dipped below 50°. Temperatures averaged 5° below normal. Rainfall plentiful most locations, rainfall amounts generally more than 1.00 in., portions northwest receiving nearly 5.00 in. while parts southeast only about 0.50 in.

Days suitable for fieldwork 2.0. Soil moisture 1% short, 44% adequate, 55% surplus. Corn planting complete. Condition good. Average height 27 in., 12 in. 1984, 17 in. avg. Some damage by cutworms, corn borers, armyworms. Soybean planting 58% complete, 60% 1984, 56% avg.; good condition, some damage by grasshoppers. Burley tobacco 92% set, 88% 1984, 82% avg. Dark tobacco 86% set; good condition. Scattered insect damage from cutworms, leaf hoppers, flea beetles. Wheat harvest underway. Barley harvest half complete. Yield of both variable due to excessive field moisture, lodging, disease. Hay good condition. First cutting quality deteriorating due rain, delayed harvesting. Second crop good growth. Pasture good to excellent condition.

LOUISIANA: Temperatures averaged normal to 2° below normal. Temperatures extremes 54°; 100°. Rain totals none to 6.97 in.

Days suitable for fieldwork 5.6. Soil moisture 75% short, 25% adequate. Cotton 40% fair, 60% good. Cotton 39% squaring, 7% 1984, 18% avg. Rice 20% fair, 80% good; 8% headed, 4% 1984, 7% avg. Soybean 6% poor, 57% fair, 37% good; 90% planted, 88% 1984, 80% avg. Soybeans 85% emerged, 79% 1984, 71% avg. Corn fair to good condition; 84% silked, 58% 1984, 57% avg. Corn 43% dough stage, 16% 1984, 24% avg. Sorghum fair to good condition; 21% headed, 2% 1984, 7% avg. Winter wheat 99% harvested, 87% 1984 and 87% avg. Hay 1st cutting 93% complete, 84% 1984, 78% avg. Sweetpotatoes fair to good condition; 90% planted, 81% 1984, 84% avg. Peaches fair to good condition; 25% harvested, 14% 1984, 22% avg. Livestock, sugarcane fair to good condition. Pastures, vegetables fair condition.

MARYLAND & DELAWARE: Maryland: Temperatures near normal with precipitation throughout entire State. Maximum temperatures near 90°, lows were in mid 40's to mid 50's.

Days suitable for fieldwork 5.7. Topsoil moisture adequate. Subsoil moisture also adequate throughout State for first time this season. Small grain good condition. Oats headed 100%, equal to last year and one week behind normal. Oats turned 90%, 10 to 12 days behind 1984's 75%. No oats harvested yet. Wheat turned 85%, 50%

1984, 75% avg. Barley harvested 75% completed, two weeks ahead of 1984's 30%, 40% avg. Rye, wheat harvest beginning on some fields in southern areas. Tobacco planting 95%; over two weeks ahead of 1984, 60% avg. Alfalfa hay 100% cut once, two weeks ahead of 1984's 95%, and 10 to 12 days ahead of normal 85% cut once. Other hay cut once 90%, one week ahead of 1984's 70%, two weeks ahead of normal 65%.

Delaware: Temperatures near normal north to 20° below normal south. Precipitation variable. Maximums in high 80's, lows near 50°. Precipitation averaged 0.76 in.

Topsoil and subsoil moisture adequate. Subsoil moisture adequate for first time this season. Days suitable for fieldwork 6.0. Soybeans 70% planted 65% 1984, 70% avg. Barley 85% harvested.

MICHIGAN: Cool, spring week with temperatures averaging 5° below normal. Precipitation light to moderate.

Rains improved soil moisture supplies but remained 50% short, 50% adequate. About 5.0 days suitable for fieldwork. Cool weather slowed crop growth and development. Corn 10% poor, 25% fair, 45% good, 20% excellent. Soybeans 98% planted, 90% 1984, 88% avg. Soybeans 5% poor, 20% fair, 60% good, 15% excellent. Winter wheat 97% headed, 85% 1984, 81% avg.; none harvested, none 1984, none avg. Winter wheat 5% poor, 20% fair, 55% good, 20% excellent. Dry beans 70% planted, 45% 1984, 59% avg. Fruit prospects remain very good. Development about 10 days ahead of normal. Vegetables developing on schedule. Strawberries 50% harvested.

MINNESOTA: Cool weather; wet central portion. Temperatures averaged 3 to 7° below normal. Temperature extremes: 34°; 92°. Precipitation averaged 0.53 in. below normal to 1.07 in. above normal; greatest weekly total 3.85 in.

Days suitable for fieldwork 4.3. Topsoil moisture 17% short, 69% adequate, 14% surplus. Corn 98% emerged, 97% 1984, 96% avg.; 1% very poor, 4% poor, 39% fair, 49% good, 7% excellent. Soybeans 96% planted, 94% 1984, 96% avg.; 89% emerged, 89% 1984, 83% avg.; 1% very poor, 3% poor, 42% fair, 50% good, 4% excellent. Spring wheat 68% jointing, 55% 1984, 56% avg.; 10% heading, 2% 1984, 11% avg.; 4% poor, 26% fair, 59% good, 11% excellent. Oats 77% jointing, 55% 1984, 56% avg.; 26% heading, 3% 1984, 11% avg. Barley 67% jointing, 58% 1984, 58% avg.; 9% heading, 3% 1984, 14% avg. Sunflowers 95% planted, 97% 1984, 97% avg.

MISSISSIPPI: Needed showers came to some areas in State. Temperatures averaged 1 to 3° below normal. Extremes: 47°; 98°. Greatest 24-hour rainfall 2.72 in.

Soil moisture 40% adequate, 60% short. Fieldwork: 5.0 days suitable, 6.1 1984, 5.1 avg. Wheat 85% harvested, 59% 1984, 56% avg.; 3% very poor, 19% poor, 52% fair, 26% good. Cotton 42% squaring, 11% 1984, 28% avg.; 3% poor, 19% fair, 71% good, 7% excellent. Soybeans 86% planted, 77% 1984, 73% avg.; 73% emerged, 51% 1984; 5% poor, 44% fair, 51% good. Rice 83% good, 17% excellent. Corn 39% silked, 26% 1984, 27% avg.; 11% dough, 6% 1984, 18% avg.; 19% poor, 33% fair, 41% good, 7% excellent. Sorghum 97% planted, 94% 1984, 84% avg.; 5% poor, 32% fair, 56% good, 7% excellent. Sweetpotatoes 90% planted, 78% 1984, 81% avg. Peanuts 96% planted, 95% 1984 and avg. Hay 48% harvested, 33% 1984, 37% avg. Peaches 21% harvested, 24% 1984, 17% avg.; 9% very poor, 9% poor, 55% fair, 27% good. Pasture 3% very poor, 13% poor, 43% fair, 41% good.

MISSOURI: Temperatures averaged 70 below normal north, south; 40 below normal central. Precipitation averaged 1.00 to 2.00 in. across State. Locally 3.00 to 4.00 in. central.

Days suitable 3.0. Topsoil 16% short, 47% adequate, 37% surplus. Cotton planted 100%, 100% 1984, 100% avg. Cotton squaring 4%, 15% 1984, 10% avg. Winter wheat 12% poor, 55% fair, 31% good, 2% excellent; headed 100%, 98% 1984, 99% avg.; harvested 6%, none 1984, 6% avg. Grain sorghum 85% planted, 83% 1984, 74% avg. Soybeans 83% planted, 65% 1984, 69% avg. First crop alfalfa 93% cut, second crop 7%; other hay 53%. Pasture 3% poor, 13% fair, 65% good, 19% excellent.

MONTANA: Precipitation limited to south central, amounts ranged from 0.10 to near 1.00 in. Very dry elsewhere. Temperatures very mild, 1 or 20 above normal over western two-third, 1 or 20 below normal eastern third.

Topsoil moisture 66% short, 34% adequate. Subsoil moisture 81% short, 19% adequate. Days suitable for fieldwork 6.2. Winter wheat 29% very poor, 23% poor, 38% fair, 9% good, 1% excellent. Spring wheat 6% very poor, 14% poor, 50% fair, 30% good. Barley 7% very poor, 19% poor, 44% fair, 27% good, 3% excellent. Oats 3% very poor, 15% poor, 50% fair, 32% good. Sugarbeets 9% poor, 37% fair, 50% good, 4% excellent. Winter wheat preboot 15%, 20% 1984, 20% avg.; boot 50%, 55% 1984, 50% avg.; headed 35%, 25% 1984, 30% avg. Spring wheat preboot 75%, 85% 1984, 85% avg.; boot 25%, 15% 1984, 20% avg. Oats preboot 80%, 95% 1984, 85% avg.; boot 20%, 5% 1984, 15% avg. Insect damage compared to normal 13% light, 41% moderate, 46% severe. Sugarbeets thinned 55%. First cutting of alfalfa hay harvesting progress 10%, 2% 1984, 5% avg. Stockwater supply 41% short, 56% adequate, 3% surplus.

NEBRASKA: Week started cool and wet, ended warm. Rainfall less than 0.50 in. except 0.95 southeast. Temperatures 2 to 70 below normal.

Topsoil moisture 39% short, 59% adequate, 2% surplus. Subsoil moisture 12% short, 86% adequate, 2% surplus. Average 6.2 days suitable for fieldwork. Winter wheat 20% fair, 75% good, 5% excellent. Winter wheat condition declined from a week ago reflecting concern over hard freezing temperatures Panhandle. Wheat turning 60%, 4% 1984, 20% avg. Wheat headed 100%, 96% 1984, 96% avg. Wheat harvested none, none 1984, none avg. Harvest to begin within one week. Corn 10% fair, 74% good, 16% excellent. Soybeans 10% fair, 87% good, 3% excellent. Soybean emerged 97%, 60% 1984, 70% avg. Sorghum 27% fair, 68% good, 5% excellent. Sorghum emerged 98%, 55% 1984, 70% avg. First cutting of alfalfa 96%, 50% 1984, 70% avg. Pasture, range mostly adequate.

NEVADA: High pressure aloft dominated weather; held storm system well north but some clouds associated with delayed weather system moved across northern areas midweek. Clouds did little to moderate early season warm spell. Temperatures started 10 to 150 above normal, then sprang to near record levels remainder of week; 80's and upper 90's common north and central while highs in hundreds, teens noted extreme south. Thunderstorms across central areas, only light amounts rain noted.

Alfalfa hay harvest extending northward. Dry weather about ideal for harvesting purposes. Ranges continued to deteriorate.

NEW ENGLAND: Average precipitation ranged from 0.75 to 1.50 in. over northern and western regions; 0.25 to 0.75 in. elsewhere. Mean temperatures ranged from mid 50s north to mid 60s along south coast.

Soil moisture 10% short, 85% adequate, 5%

surplus. Days suitable for fieldwork 5.0. Fieldwork progress; 3 days ahead of schedule, grazing availability; 100% adequate. Field corn 95% planted, 80% 1984, 90% avg. Field corn emergence 85%, 60% 1984, 75% avg. Maine potatoes 10 to 40% emerged north to south; condition 100% good. Maine oats 95% emerged, condition 100% good. First cut hay 45% cut, 35% 1984 and 35% avg. Apple set; June drop average, scab incidence light. Strawberry harvest active; berry set, quality excellent.

NEW JERSEY: Temperatures averaged 1 to 50 below normal. Extremes: 380; 900. Weekly rainfall averaged 2.15 in. north, 1.35 in. central, 0.64 in. south. Heaviest 24-hour total 1.90 in. on 15th, 16th. Estimated soil moisture, in percent of field capacity, average 89% north, 72% central, 69% south. Four inch soil temperatures averaged 630 north, 660 central, 680 south. Numerous reports of hail 16th.

Most crops continued good to excellent. Wheat growers would appreciate drier weather until harvest. Excellent blueberry crop expected, but hail late 16th evening may have damage some crop.

NEW MEXICO: Average temperatures little above normal southeast. Temperatures 360 northern mountains to 1040 southeastern Plains. Thundershowers over central mountains, east. Precipitation none to 1.31 in. southeastern Plains.

Days suitable for fieldwork 3.0 to 7.0 average 5.0. Soil moisture short to surplus, mostly adequate. Hail damage mostly light, severe isolated areas. Wind damage none to severe. Alfalfa generally good - second cut 66% complete. Cotton 38% fair, 62% good - planting 100%, 100% 1984, 100% avg.; squaring none, none 1984, 1% avg. Corn mostly good - over 90% acceptable stand. Barley mostly good - 30% harvested. Irrigated wheat good to excellent - 35% harvested. Dryland wheat mostly good - 25% harvested. Irrigated, dryland sorghum mostly good - 90% planted. Pecans good to excellent - average nut set. Apples fair to good. Chile good to excellent - average pod set. Onions good to excellent. Cattle, sheep mostly good; range poor to excellent, mostly good.

NEW YORK: Week began with warm, muggy weather, than turned much cooler. On 12th, 13th temperatures remained below 60 in all but extreme southeast State. Low temperatures on 15th upper 30's and 40's, with record lows in spots. Temperatures for week more than 50 below normal. Rainfall was plentiful with much of State getting 1.00 in. or more. Buffalo nearly 2.00 in.; New York City, Long Island drier with 0.25 to 0.50 in.

Average of 4.5 days suitable for fieldwork. Soil moisture mostly adequate. Rainfall eased moisture shortage; cool weather slowed crop growth. Corn virtually all planted, 80% 1984, 93% avg. Oats beginning to head out, some short. Alfalfa weevil problem in hay. Alfalfa hay harvest 30% complete, 25% 1984, 20% avg. Clover-timothy harvest 18%, 16% 1984, 13% avg. Grass silage harvest 36% complete, 30% 1984, 21% avg. Strawberry harvest active. Planting of beets, cabbage, sweet corn, tomatoes virtually complete. Pastures range from fair to good.

NORTH CAROLINA: Temperatures averaged slightly below normal mountains to slightly above normal along coast. Precipitation ranged from none to 1.71 in.

Soil moisture 15% very short, 41% short, 41% adequate, 3% surplus. Days suitable for fieldwork 5.6. Condition: Pasture 11% poor, 59% fair, 28% good, 2% excellent. Soybeans 1% poor, 54% fair, 44% good, 1% excellent. Hay 11% poor, 50% fair,

37% good, 2% excellent. Sweetpotatoes 3% poor, 55% fair, 41% good, 1% excellent. Peanuts 6% poor, 53% fair, 41% good. Apples 46% poor, 31% fair, 23% good. Irish potatoes 15% poor, 36% fair, 46% good, 3% excellent. Tobacco in field 3% poor, 46% fair, 50% good, 1% excellent. Corn 11% poor, 35% fair, 44% good, 10% excellent. Cotton 39% fair, 56% good, 5% excellent. Plantings: Sorghum 75%, 75% 1984, 77% avg. Soybeans 72%, 70% 1984, 71% avg. Burley tobacco 94%, 77% 1984, 84% avg. Sweetpotatoes 88%, 70% 1984, 73% avg. Harvest: Wheat 61%, 35% 1984, 30% avg. Oats 61%, 47% 1984, 38% avg. Barley 68%, 59% 1984, 42% avg. Rye 65%, 35% 1984, 34% avg. Phenological stages: Cotton squared 18%, 7% 1984, 5% avg. Corn silked 15%, 2% 1984, 4% avg. Major farm activities: Planting soybeans, small grain harvest, cutting hay, cultivating tobacco, corn, peanuts and cotton, planting sweetpotatoes and sorghum, harvesting truck crops and potatoes, spraying herbicides.

NORTH DAKOTA: Cool wet week. Temperatures averaged 2 to 50 below normal. Extremes ranged from 87° at Watford City, Breian on 15th to 30° at New Salem and Watford City on the 12th. Almost all reporting stations recorded measurable precipitation, many receiving over 0.50 in. Northeast, north central portions of State received most averaging nearly 1.00 in. of moisture. Devils Lake reported the most precipitation with 1.95 in.

Fieldwork: 5.9 days suitable. Topsoil, subsoil moisture supplies near normal. Topsoil supplies 26% short to very short, 73% adequate, 1% surplus. Subsoil supplies 26% short to very short, 74% adequate. Small grains in good condition. Crop development remains ahead of normal. Hard red spring wheat condition 19% fair, 69% good, 12% excellent. Hard red spring wheat progress 79% joint or beyond, 46% 1984, 50% avg. Durum 61% joint or beyond, 32% 1984, 38% avg. Barley 83% joint or beyond, 57% 1984, 56% avg. Oats 78% joint or beyond, 45% 1984, 54% avg. Row crop development good with average height of all crops ahead of normal. Wind damage may force limited reseeding. Corn 7 in. avg. height, 5 in. 1984, 2 in. avg. Sunflower 4 in. height, 3 in. 1984, 1 in. avg. Soybeans 4 in. height, 2 in. 1984, 1 in. avg. Potatoes 6 in. height, 5 in. 1984, 2 in. avg.

OHIO: Temperatures 2 to 40 below normal, average upper 60's, low 70's; range mid 40's to upper 70's low 80's. Precipitation above normal all areas, range 0.80 to greater than 2.00 in.

Fieldwork: 3.0 days suitable. Soil moisture 4% short, 51% adequate, 45% surplus. Corn 15% fair, 65% good, 20% excellent. Spraying for slugs, army worms, corn borer. Six leaves emerged. Soybean planting 98%, 90% 1984, 85% avg.; 2% poor, 20% fair, 73% good, 5% excellent. Replanting thin stands, double-cropping began. Winter wheat 99% headed, 90% 1984, 95% avg.; 2% poor, 14% fair, 67% good, 17% excellent; 55% of acreage turning. Oats heading 80%, 20% 1984, 25% avg.; fair to good. Alfalfa first cutting 85% complete, 70% 1984, 60% avg. Other hay first cutting 65%, 55% 1984, 40% avg. Weather delayed baling, causing rotting of cut crop; second crop getting too ripe. Hay fair to good. Harvesting cabbage, broccoli, radish, lettuce crops. Sweet corn forming ears. Strawberry harvest 75% complete. Pasture good. Warm days, cool nights enjoyed by livestock.

OKLAHOMA: Temperatures averaged 60 below normal north central to 20 below normal Panhandle. Precipitation averaged 0.26 in. southeast to 2.08 in. northeast.

Days suitable for fieldwork 3.0. Topsoil moisture 2% short, 55% adequate, 43% surplus.

Subsoil moisture 100% adequate. Wheat 19% fair, 81% good. Wet fields hampered harvest, caused quality deterioration. Wheat 100% headed, 100% 1984, 100% avg. Wheat 40% harvested, 30% 1984, 15% avg. Sorghum 8% fair, 88% good, 4% excellent. Cotton 24% fair, 76% good. Flooding caused some cotton, peanut replantings. Sorghum 75% planted, 70% 1984, 70% avg. Cotton 80% planted, 50% 1984, 75% avg. Cotton 3% squaring none 1984, none avg. Cattle, hog prices rebound from low levels.

OREGON: Northeast record below freezing minimum temperatures first of week. Nearly all areas averaged several degrees above normal. Several days with maximum temperatures above 90° southwest, southeast midweek. Very light rain higher elevations of southwest first of week. Later light rain at high Plateau, coast, Willamette Valley.

Soil moisture 38% short, 60% adequate, 2% surplus. Winter wheat 63% fair, 31% good, 6% excellent; 94% headed, 92% 1984, 92% avg. Second cutting hay in west; first cutting in eastern high country. Columbia Basin fall barley set to begin; spring crop not headed. Mint slightly behind normal central region. Grass seed headed, spring wheat starting to head this region. Willamette Valley strawberry harvest in full swing; quality variable. Caneberry good; harvest expected a little early. Wasco County cherry harvest beginning; heavy splitting caused by rain. Fruit fly spraying continued most areas. Apple, peach thinning. Prune set heavy. Cranberry development normal. Filberts progressing normally. Vegetable planting complete. Broccoli harvest Willamette Valley. Malheur onions: Weeding, insect spraying. Potatoes: Malheur County insect spraying; central area all planted. Livestock condition good to excellent. Shipped some spring lambs for slaughter. Growth western pastures slowed. Eastern summer range good condition, scattered grasshopper problems. Little regrowth on low elevation rangeland.

PENNSYLVANIA: Cool wet week. Average temperatures 62°, 50° below normal. Average precipitation 1.14 in., 0.20 in. below normal. Lowest temperature 35° at Franklin on 12th; highest temperature 87° at Reading on 10th.

Days suitable for fieldwork 4.0. Moisture 15% short, 77% adequate, 8% surplus. Activities: Making hay, haylage; side-dressing corn, combining barley, spraying corn, soybeans, fruit, harvesting cherries, sugar peas, broccoli, rhubarb, lettuce, onions; planting summer annuals; continued cleaning debris from tornadoes. Corn planting virtually complete, 92% 1984, 94% avg.; 2% poor, 20% fair, 47% good, 31% excellent; avg. corn height 12 in., 7 in. 1984. Barley 38% headed; 45% turning yellow, 13% ripe, 4% harvested; 1984 45% heading, 34% turning yellow, 3% ripe. Wheat 68% headed, 28% turning yellow, 4% ripe, 1984 74% headed. Soybeans 83% planted, 72% 1984, 74% avg. First cutting alfalfa 62% complete, 55% 1984. Second cutting alfalfa 7% complete. First cutting clo-tim 40% complete, 38% 1984. Quality of hay 22% poor, 56% fair, 22% good. Feed from pastures 31% below avg., 51% avg., 18% above avg.

PUERTO RICO: Island average rainfall 0.25 in. 1.07 in. below normal. Highest weekly total 3.23 in., highest 24-hour total 1.90 in. Temperature averaged about 81 to 82° on coasts, 77° interior divisions. Mean station temperature range from 68 to 84°. Extremes: 58°; 93°. Total rainfall 0.09 in. minus 1.01 in.

SOUTH CAROLINA: Cool weather early week. Temperatures dropped to near normal. Much of week rainless, rains over weekend brought welcome

relief. Rainfall heaviest eastern State. Average rainfall varied 1.00 in. mountains to 2.00 in. south.

Soil moisture 12% very short, 26% short, 62% adequate. Days available for field activities 5.1. Soybeans 31% fair, 69% good; 68% planted, 70% 1984, 73% avg. Cotton 3% poor, 15% fair, 82% good; 100% planted, 100% 1984, 100% avg.; 46% squaring, 14% 1984, 46% avg. Corn condition fair to good; 55% silked, 18% 1984, 32% avg. Tobacco condition good. Peaches fair; 17% harvested, 12% 1984, 12% avg. Tomatoes fair to good; 33% harvested, 30% 1984, 22% avg. Wheat fair; 76% harvested, 74% 1984, 61% avg. Oats fair; 73% harvested, 77% 1984, 68% avg. Pasture condition improved to fair, recent rains beneficial.

SOUTH DAKOTA: Average temperatures were 2 to 60 below normal. Extremes: 280; 940. Precipitation widespread but below normal.

Days suitable for fieldwork 4.0. Topsoil moisture short and critically short west adequate east, 7% critically short, 22% short, 68% adequate 3% surplus. Winter wheat 7% very poor, 11% poor, 52% fair, 28% good, 2% excellent. Winter wheat 99% headed, 56% 1984, 81% avg. Winter wheat none harvested, none 1984, none avg. Sorghum 6% poor, 7% fair, 67% good, 20% excellent. Sorghum 84% planted, 55% 1984, 83% avg. Soybeans 8% fair, 83% good, 9% excellent. Soybeans 100% planted, 64% 1984, 92% avg. Livestock good condition. Range, pasture good condition east one-third, fair to poor condition west central, and southwest, remainder fair.

TENNESSEE: Temperatures ranged; mid 50's to mid 80's, 5 to 80 below normal. Precipitation above normal west and northeast; below normal elsewhere.

Days suitable for fieldwork 4.0. Soil moisture 22% short, 58% adequate, 20% surplus. Corn 13% tasselled, none 1984, none avg.; 12% fair, 75% good, 13% excellent. Wheat 85% ripe, 60% 1984, 60% avg.; 25% harvested, 15% 1984, 20% avg.; 7% poor, 34% fair, 56% good, 3% excellent. Soybeans 70% planted, 65% 1984, 60% avg.; 28% fair, 66% good, 6% excellent. Tobacco 98% transplanted, 85% 1984, 87% avg.; 1% poor, 24% fair, 66% good, 9% excellent. Sorghum 85% planted, 65% 1984; 22% fair, 71% good, 7% excellent. Cotton 8% squaring, 1% 1984, 5% avg.; 6% very poor, 11% poor, 22% fair, 36% good, 5% excellent. Alfalfa 35% 2nd cutting, 25% 1984, 35% avg. Livestock good condition.

TEXAS: Cool, damp week. Weak cold front pushed slowly through State. Early week highs low mid 90's, scattered showers thunderstorms Upper Coast. Weak cold front eased into northern areas producing scattered showers thunderstorms Permian Basin into Western Red River Valley; other thunderstorms over Upper Coastal Plains. Front became stationary central parts of State midweek. Thunderstorms erupted Edwards Plateau, across middle Rio Grande, Plains. End of week front cleared State, weak upper air disturbance south. Temperatures averaged cooler than normal, high low Rolling Plains, north central section 5 to 80 below normal; rest of State 2 to 40 cooler than usual. Precipitation normal northwest half State, east far west 25 to 50% drier than normal; southern half abundant rainfall, totals 110 to 900% above normal.

Crops: Grain sorghum planting resumed Plains, some replanting necessary because excessive moisture. Grain sorghum progress areas where adequate moisture, existed fields scattered across State use good rain. Spraying for midge, greenbugs active central. Rio Grande Valley crop matured rapidly, harvest to begin two weeks. Final irrigation completed. Condition rated 89% normal compared 64% 1984. Sorghum 21% fair, 55%

good, 24% excellent. Corn fields good progress, rains improved conditions minor problems because rootworms, irrigation needs reduced. Corn condition rated 89% of normal compared with 64% 1984. Corn 1% poor, 16% fair, 57% good, 26% excellent. Cotton showing stress from heavy rain, flooding Plains. Producers replanting to cotton, other crops. Planting resumed Low Plains, Cross-Timbers, damage from rain hail not as extensive. Spraying thrips continued Blacklands. Cultivating continued many areas; irrigation continued Valley, good crop expected. Scouting for insects steady. Wheat harvest resumed Plains, some fields showing severe lodging heavy rains. Harvest irrigated wheat begin soon. Harvest winding down Blackland. Oat harvesting continued this area, good yields reported. Condition 79% of normal compared 59% 1984. Wheat 44% fair, 46% good, 10% excellent. Flooding rice fields continued Upper Coast. Peanut planting good progress most areas. Early varieties showing some leaf spot. Early peanuts good progress. Soybean, sunflower planting increased Plains. Soybean planting along Upper Coast some progress areas receiving adequate moisture. Corn 56% silked, 32% dough, 12% dented. Cotton 93% planted, 100% 1984, 100% avg.; 13% squaring, 15% 1984, 16% avg.; 8% setting bolls, 8% 1984, 9% avg. Rice 100% emerged, 100% 1984, 100% avg.; none headed, 2% 1984, 7% avg. Sorghum 91% planted, 91% 1984, 91% avg.; 45% headed, 49% 1984, 47% avg.; 17% turning color, 29% 1984, 21% avg.; 2% mature, 8% 1984, 4% avg. Wheat 98% turning color, 95% 1984, 89% avg.; 54% harvested for grain, 49% 1984, 34% avg. Other field crops; oats 70% harvested, 65% 1984, 58% avg. Peanuts 72% planted, 62% 1984, 59% avg. Soybean 65% planted, 83% 1984, 67% avg. Sunflowers 80% planted, 83% 1984, 70% avg.

Commercial Vegetables: Rio Grande Valley, tomato, okra, pepper, cucumber harvest continued. Melon harvesting active. Open weather suitable for fieldwork. San Antonio-Winter Garden melon harvest active. Harvesting tomatoes, cucumbers, squash, sweet corn, cabbage continued. Onion harvest good progress. Eastern areas beans, tomatoes, potatoes, peppers harvest continued. Sweetpotato vines good growth, few problems. High Plains cucumbers, peppers, carrots good progress. Onions continued suffering from excess rain, diseases. Potato harvest began Knox-Haskell area. Trans-Peco, onion harvest continued. Cantaloups good progress. Early peach varieties harvest continued. Later varieties good maturing, additional rain help later peaches. Pecan producers continued treating groves for scab, casebearers. Webworms some groves. Prospects remain good treated groves.

Range and Livestock: Range pasture condition picked up areas adequate rainfall. Increased greening many areas. Haying operations resumed, good yields. Livestock fair to good condition. Spraying ticks hornflies underway.

UTAH: Few isolated thunderstorms with light precipitation. Maximum temperatures averaged 8.50 above normal, ranging from 1 to 120 above. Minimums averaged 50 above normal, ranging from 1 to 100 above.

Hot dry weather depleted moisture, most of State short. Days suitable for fieldwork 6.9. Most small grains fair to good. Winter wheat 61% headed, spring wheat 42% headed, barley 56% headed with some harvest in extreme southwest. First cutting alfalfa 60% complete, condition generally good. Spraying for weevil, grasshoppers widespread. Fruit harvest underway extreme southwest. Condition for apricots, sweet cherries, peaches mostly fair. Ranges in very good shape. No problem with livestock reported.

VIRGINIA: Strong cold front midweek preceeded and followed by warm, humid days and scattered showers and thunderstorms, low 31° Marion, high 97° Petersburg. Precipitation scattered but greatest in central, eastern areas.

Soil moisture 9% short, 85% adequate, 6% surplus. Days suitable for fieldwork 3.2. Corn in good to excellent condition; 98% planted, 98% 1984, 98% avg.; 1% silked, none 1984, 2% avg. Soybeans 70% planted, 59% 1984, 67% avg. Emerged plants in good to excellent condition. Barley harvest 50% complete, 57% 1984, 55% avg. Wheat 20% harvested, 10% 1984, 15% avg. Oats 16% harvested, 26% 1984, 20% avg. Small grain yields poor to excellent, mostly below average. Hay fair condition, 2nd cutting alfalfa good except some rain damage. Pastures mostly good. Peanuts excellent condition. Apples mostly fair. Tobacco mostly good to excellent condition, some spotty stands. Transplanting essentially complete for flue-cured; burley 95%, 74% 1984, 85% avg.; fire-cured and sun-cured nearing completion.

WASHINGTON: Warm, sunny conditions most of week. Precipitation on 13th, 14th mainly west of Cascades.

Days suitable for fieldwork 7.0. Crops progressing rapidly. Dryland areas improved with rain, crop stress still apparent. Cherry harvest full swing, cullage high. Frost, rain, wind damage crop. Broccoli, leafy vegetables, asparagus harvest continued. Strawberry harvest to begin soon. Haymaking, green chopping major activities. Livestock good condition. Winter wheat 70% headed, 57% 1984, 79% avg.

WEST VIRGINIA: Temperatures averaged 1 to 50 below normal. Low of 32° Greenbank, high 93° Williamson. Statewide average temperature 64°. Precipitation above normal except northeast averaged 0.30 in. below normal. Least rainfall Martinsburg 0.16 in., most Terra Alta 2.96 in. Statewide average 1.11 in.

Soil moisture adequate to surplus. Days worked 2.3. Harvesting hay, general maintenance. Feed supplies adequate.

WISCONSIN: Average temperatures 4 to 9° below normal. Precipitation 0.40 to 0.60 in. north, 0.50 to 0.80 in. central, 0.80 to 1.00 in. south.

Days suitable for fieldwork 5.8. Soil moisture 70% short, 30% adequate. Corn 100% planted, 100% 1984, 100% avg.; 4% poor, 43% fair, 51% good, 2% excellent; corn height 11 in., 8 in. 1984, 7 in. avg. Soybeans 99% planted, 94% 1984, 94% avg. First cutting hay 70% complete, 27% 1984, 43% avg. Hay yields below average due to dryness. Oats 23% headed, 4% 1984, 10% avg.; below average height. General crop condition, 9% poor, 40% fair, 50% good, 1% excellent. Tobacco setting north, south growing areas. Winter wheat mostly headed, below average height. Most crops affected by dry condition.

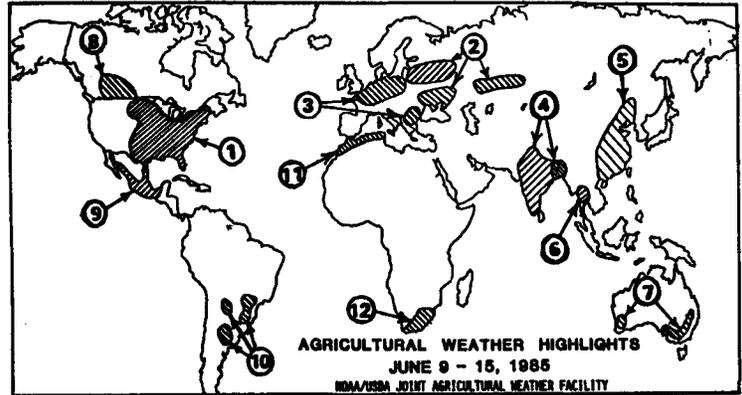
WYOMING: Temperatures above normal over most of State. Precipitation below normal.

Days suitable for fieldwork 7.0. Topsoil moisture 87% short, 13% adequate. Spring wheat 95% emerged, 90% 1984. Oats 95% emerged, 95% 1984. Corn 90% emerged, 90% 1984, 80% avg. Potatoes 85% emerged, 60% 1984, 60% avg. Dry beans 95% planted, 95% 1984, 80% avg. Dry beans 80% emerged, 60% 1984, 40% avg. Sugarbeets 75% thinned. Winter wheat mostly fair condition 24% boot stage, 66% headed. Other small grains fair to good condition. Row crops fair to good condition. Alfalfa good condition, first cutting underway. Livestock fair to mostly good condition. Calf, lamb losses light to normal. Movement to summer ranges: Cattle 80%, 75% 1984; sheep 75%, 70% 1984. Ranges, pastures fair condition.

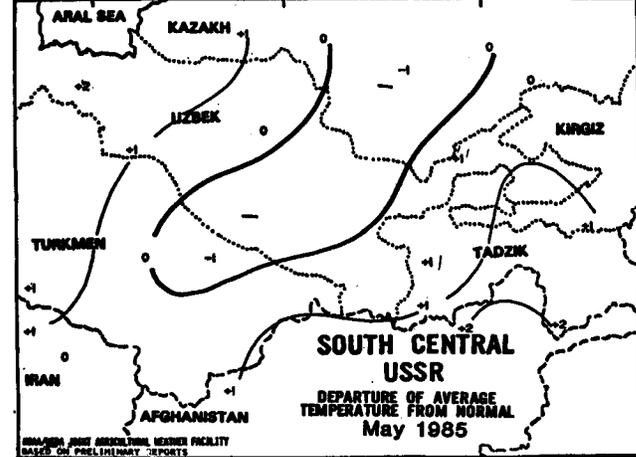
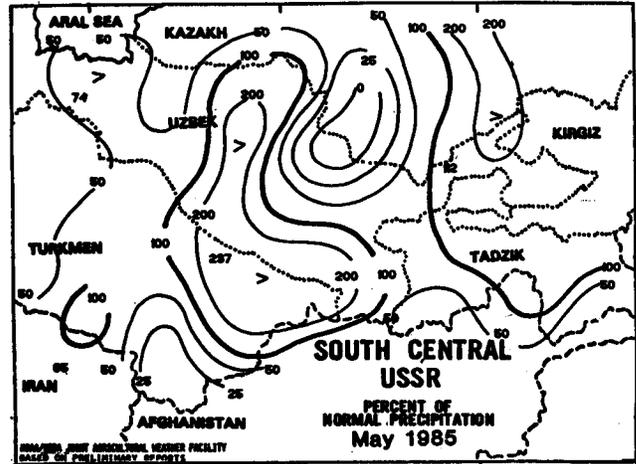
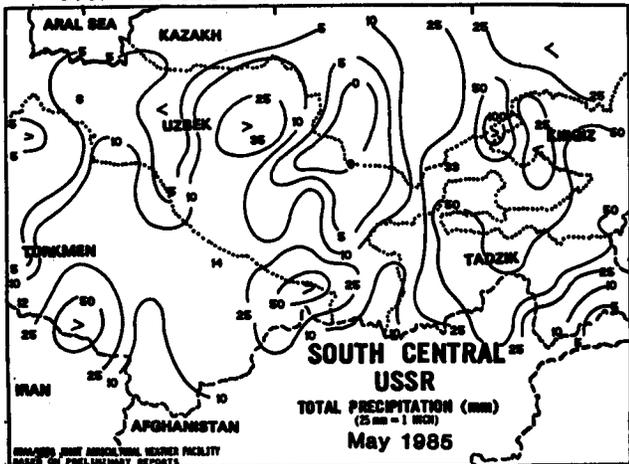
International Weather and Crop Summary June 9 - 15

HIGHLIGHTS:

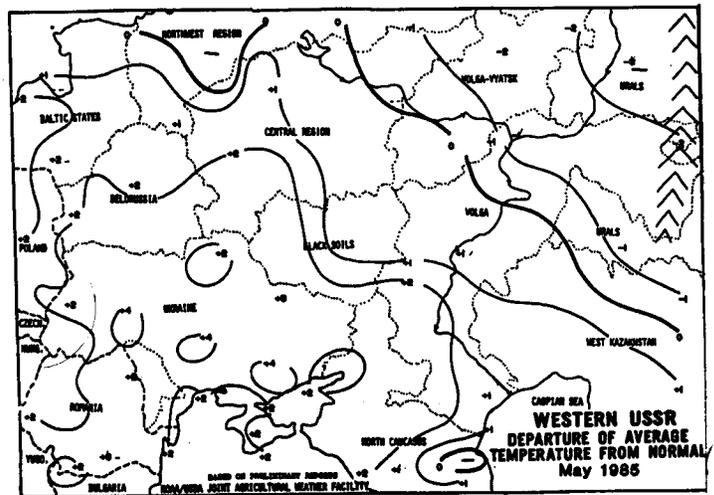
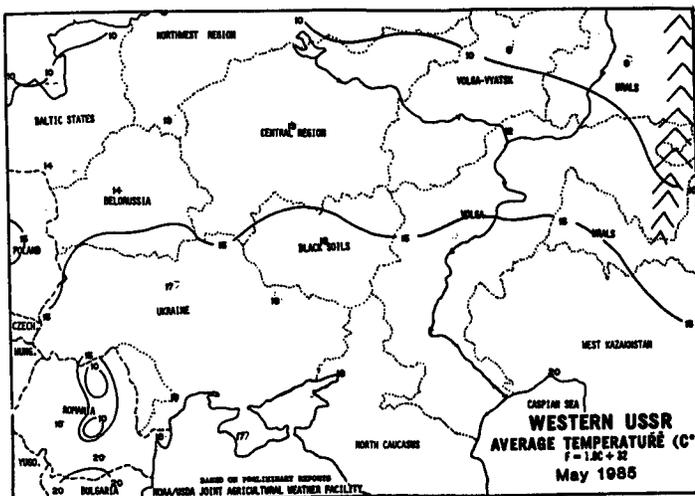
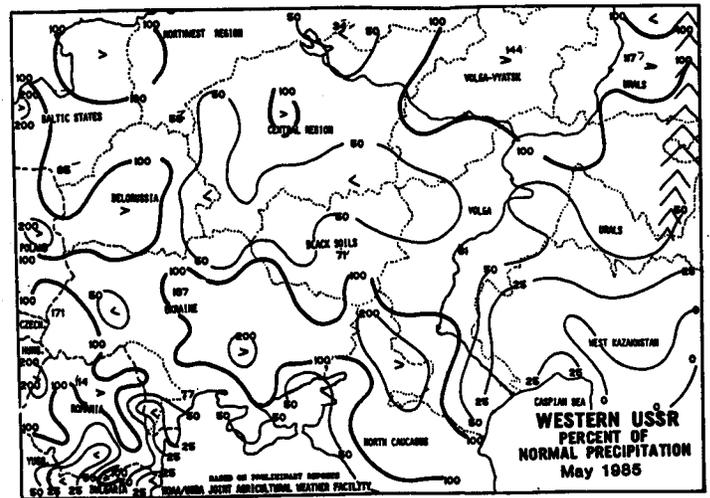
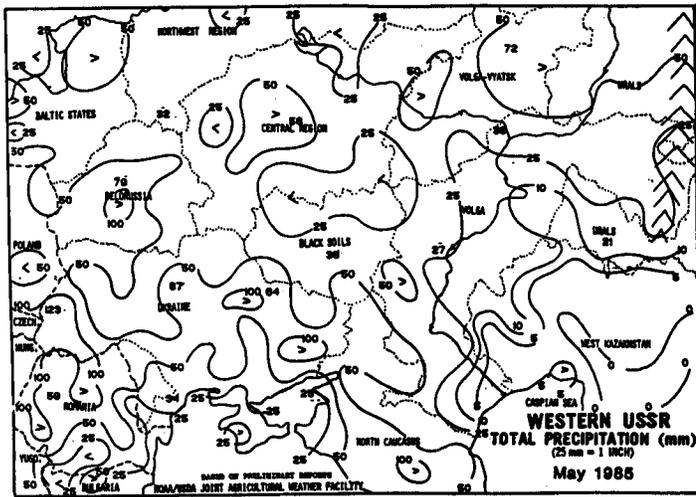
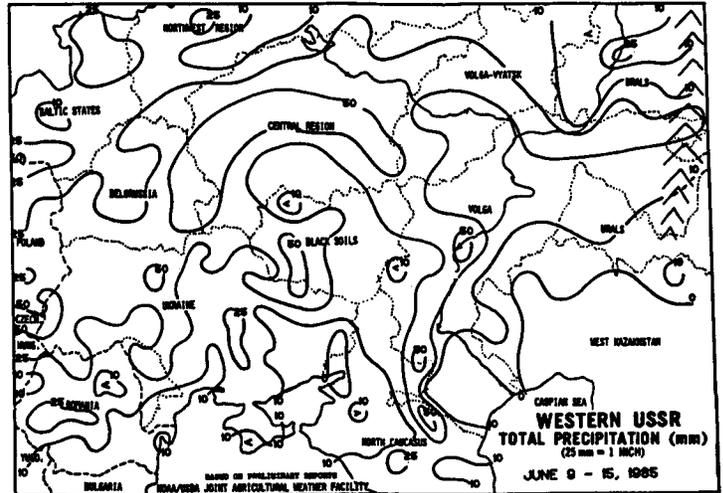
1. **UNITED STATES** ... Widespread rain over the eastern half of the Nation benefits crops but slows field activities.
2. **USSR** ... Moderate showers continue to benefit winter grains in the filling stage. Unfavorably cool, wet weather continues in the eastern New Lands, while showers favor emerging spring wheat in the southwest.
3. **EUROPE** ... Wet weather favors heading winter grains in the north, while dry weather aids maturing winter grains in the south. Dryness persists in the southeast.
4. **SOUTH ASIA** ... Near-normal monsoon rain continues to benefit rice planting.
5. **EASTERN ASIA** ... Most of the North China Plain continues unfavorably dry for cotton, corn, and soybeans nearing reproduction.
6. **SOUTHEAST ASIA** ... Showers cover all crop areas, aiding corn and rice vegetative growth.
7. **AUSTRALIA** ... Recent rain improves wheat planting in Victoria. Unfavorable dryness continues in New South Wales.
8. **CANADA** ... Showery weather aids vegetative growth across the Prairie grain belt, but amounts were light in the dry southwest.
9. **MEXICO** ... Rain continues favoring crops over the southern Plateau Corn Belt.



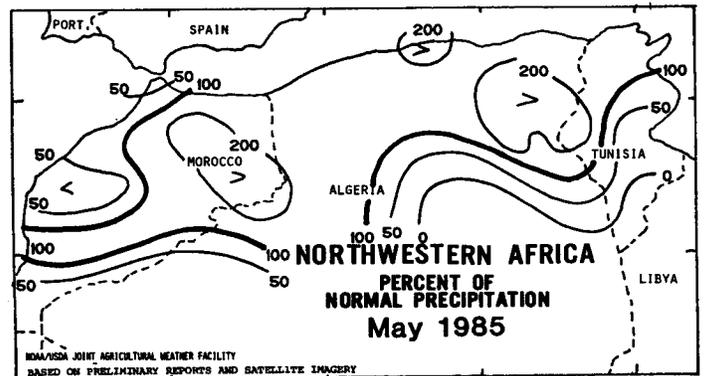
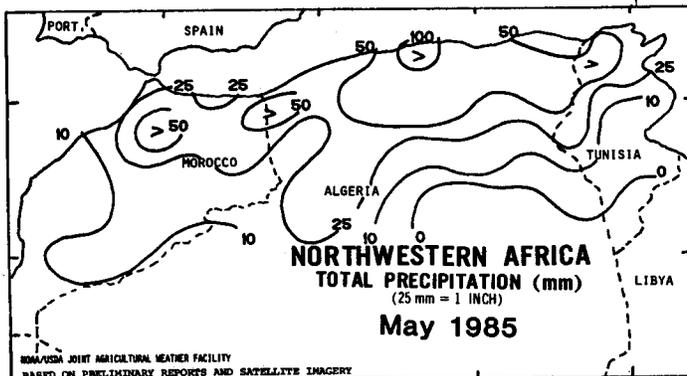
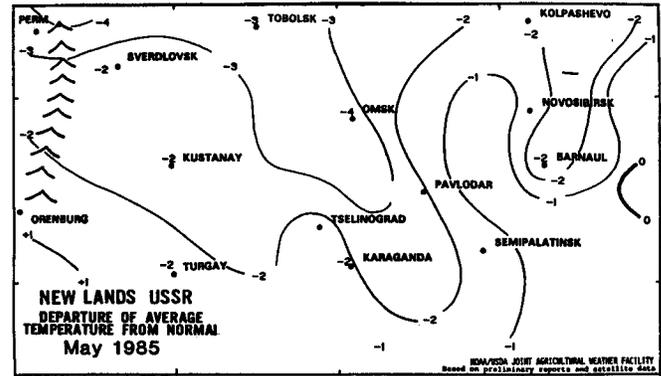
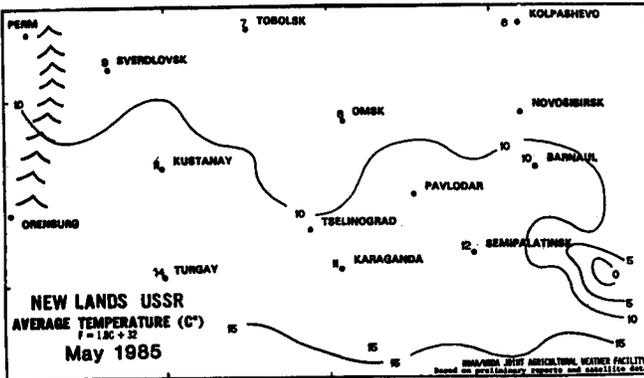
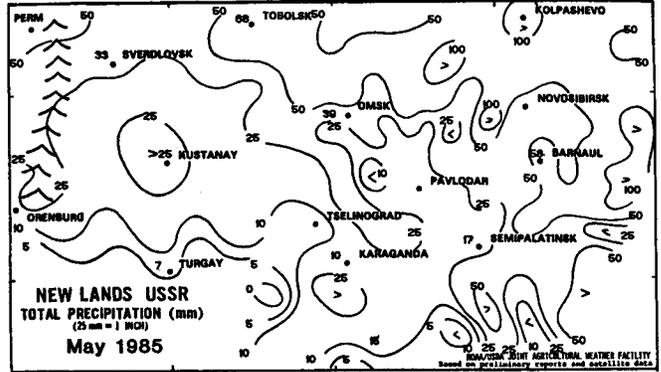
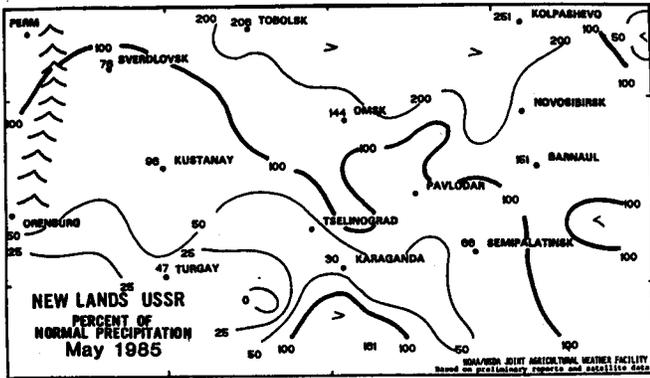
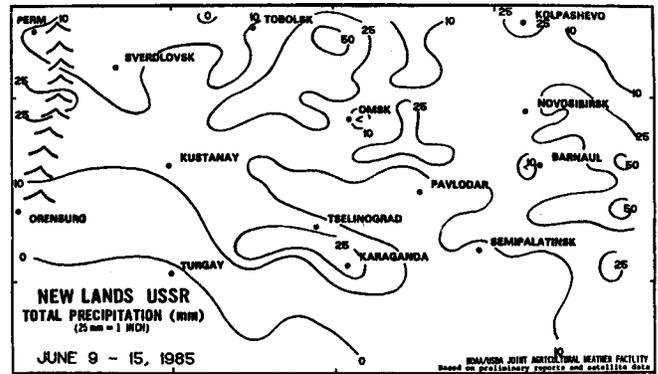
10. **SOUTH AMERICA** ... Mostly dry weather aids late summer-crop harvesting. Moisture is adequate for early winter wheat growth in Brazil; moisture is limited for wheat planting in Argentina.
11. **NORTHWESTERN AFRICA** ... Above-normal May rainfall in eastern Algeria and Tunisia likely slows wheat harvesting. Drier weather in western Algeria and Morocco favors harvesting.
12. **SOUTH AFRICA** ... Near-normal May rainfall benefits wheat planting in the southwestern Cape Province and in the Transvaal.



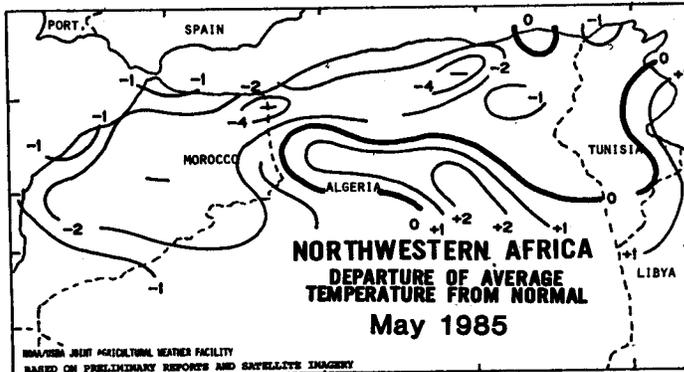
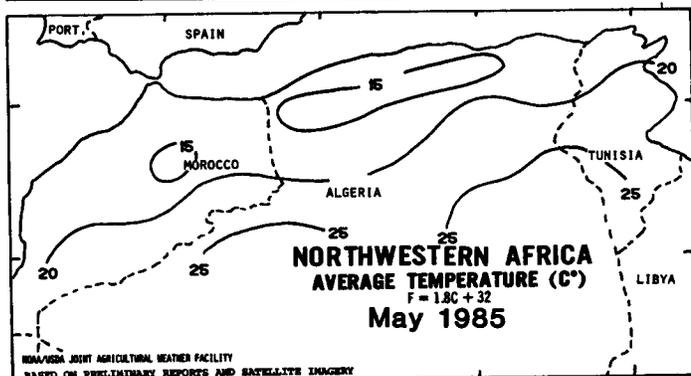
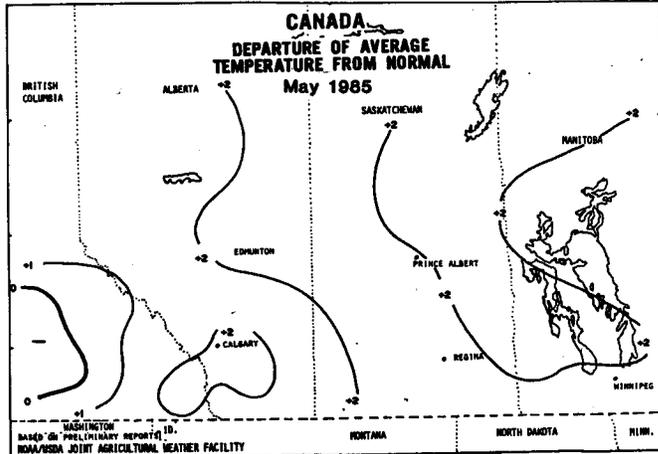
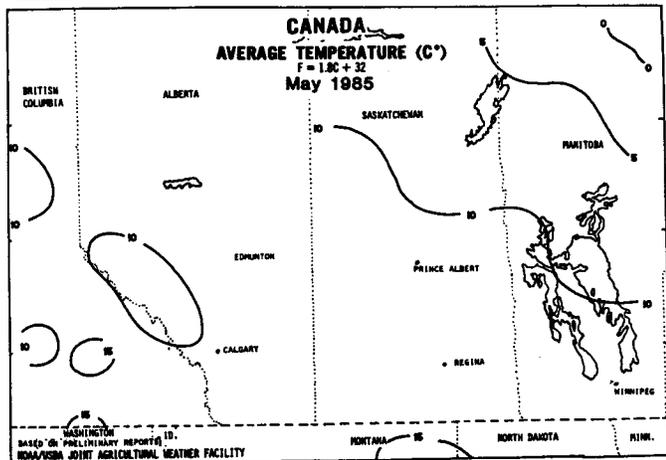
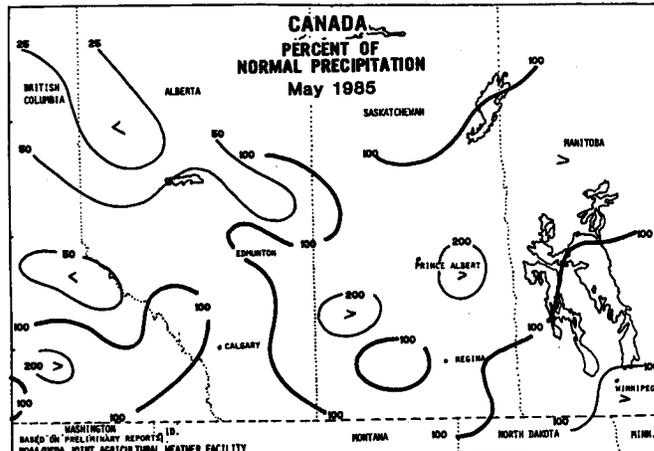
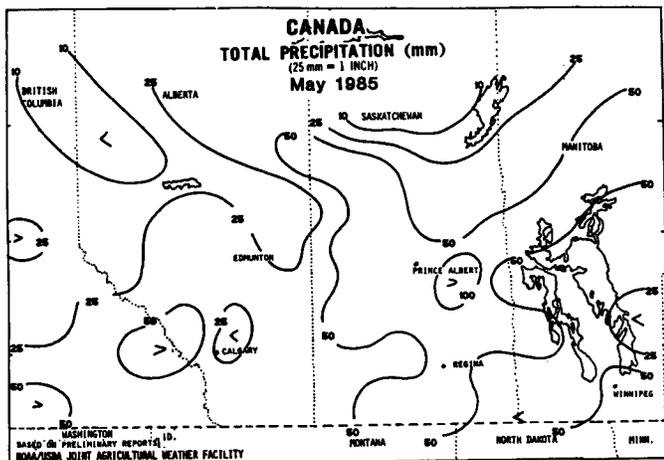
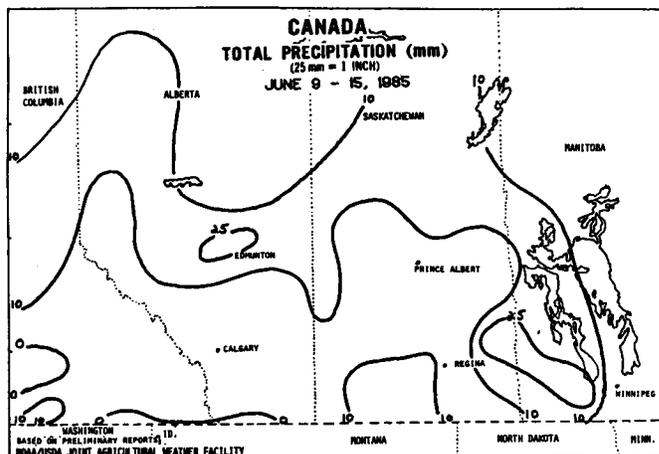
WESTERN USSR... Showers continued to cover the major winter wheat areas across the south, benefiting the crops in the reproductive and filling stages. Temperatures there averaged near normal, favoring crop growth. In western USSR, May's dry weather and rapid warming accelerated winter grain growth and increased crop moisture demands. By midmonth, timely rain covered winter grains in the Ukraine, southern Black Soils, lower Volga, and North Caucasus, continuing through this past week. In contrast, less rainfall covered the extreme southern Ukraine, parts of the Black Soils, Central Region, and the upper Volga. However, recent rain relieved dryness in these areas.



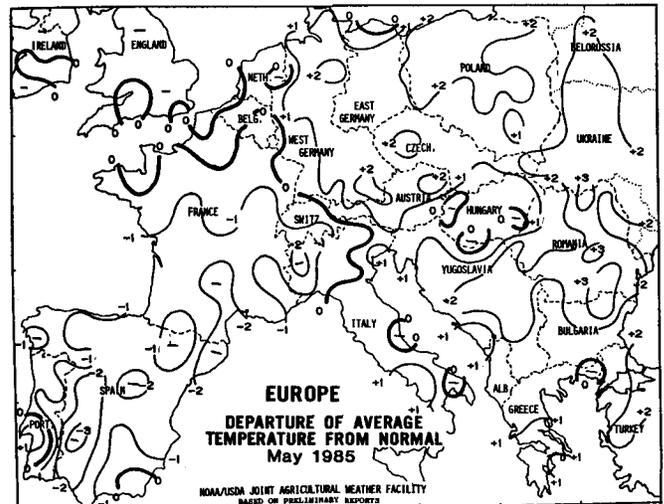
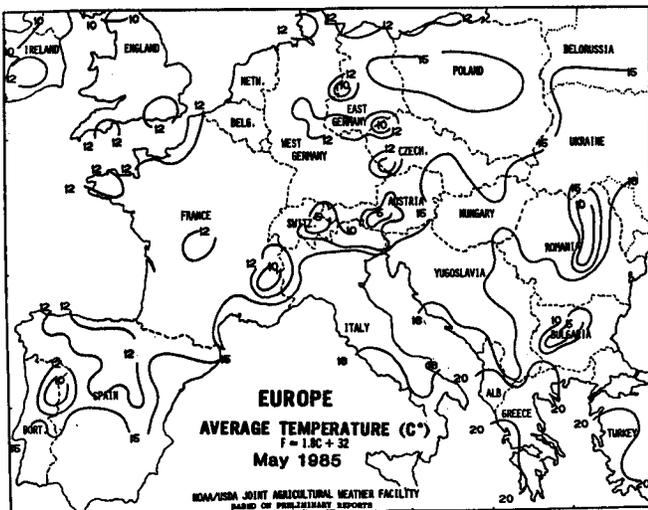
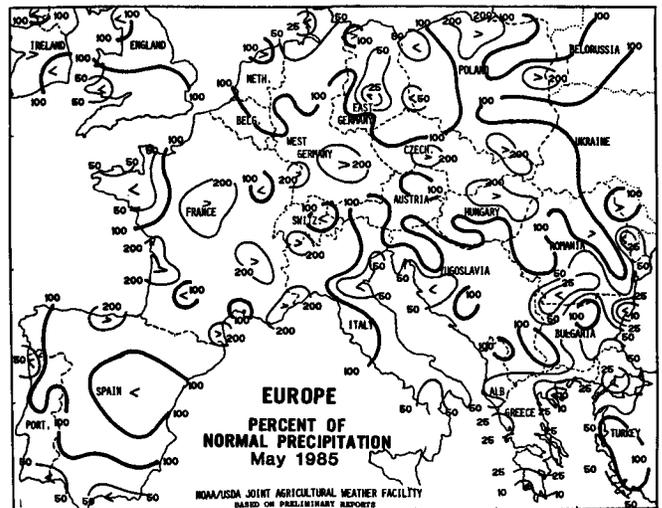
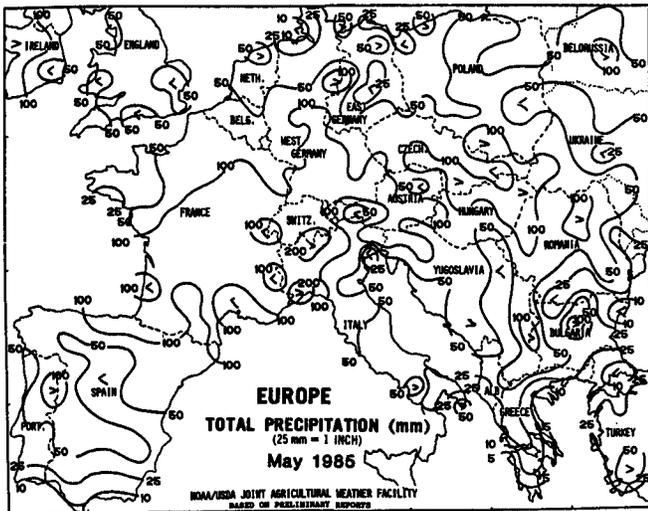
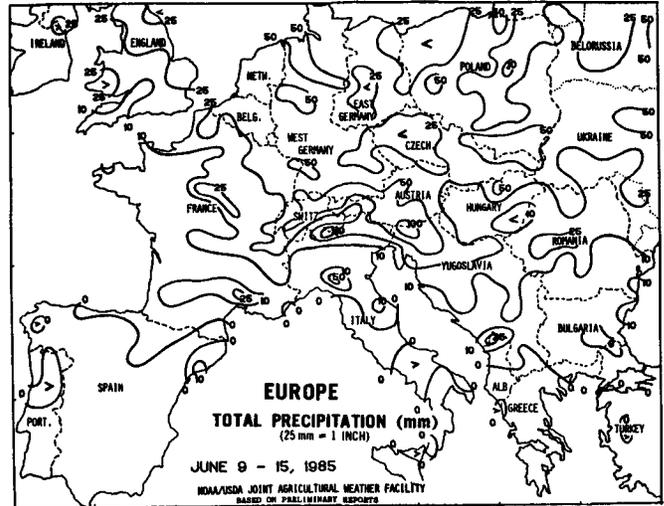
NEW LANDS...Sowing advanced northward during May. Below-normal May precipitation in the southwest aided planting. In contrast, below-normal temperatures and wet weather in the north, and, particularly the west, delayed some planting. This past week's showers in southwestern spring wheat areas aided crop emergence and benefited early growth. The weather continued unfavorably cold and wet in the east where warmer weather is needed to enhance crop growth in these areas which experience a shorter growing season. Above-normal May rainfall (25-50mm) in parts of eastern Uzbekistan may have slowed cotton planting, but provided favorable topsoil moisture for early growth.



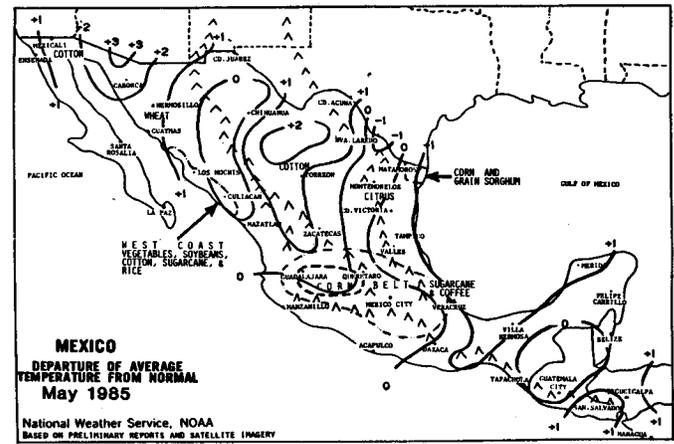
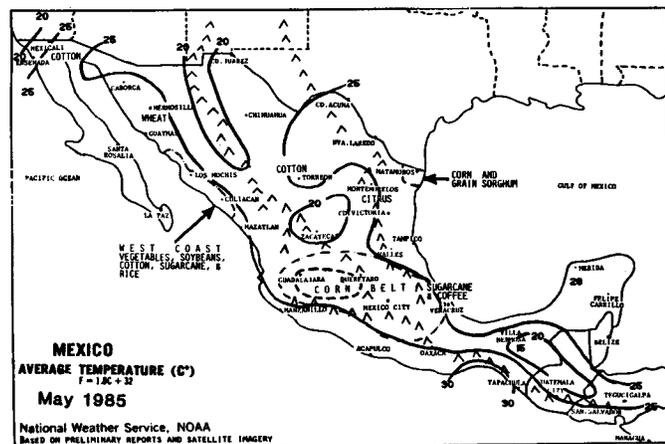
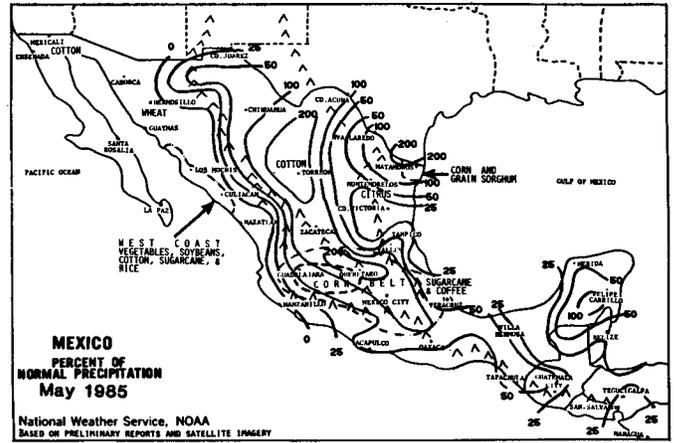
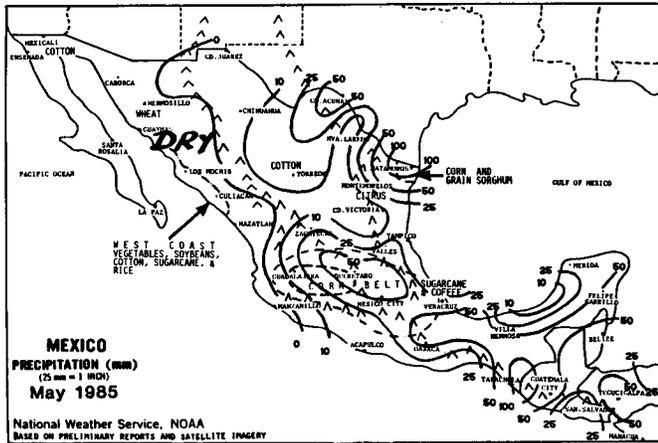
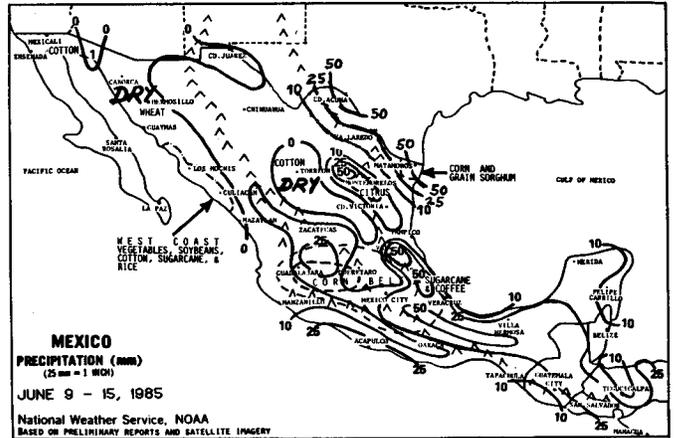
CANADA... Showery weather prevailed across much of the Prairie Provinces, keeping topsoils favorably moist for vegetative growth. In general, moisture was adequate for spring grains which ranged from emerging to mostly tillering. Early planted crops reached jointing. Some late replanting of rapeseed was reported. May rainfall was mostly near average in the Prairie grain belt, except for southwestern Manitoba, extreme southeastern and southwestern Saskatchewan, and western Alberta. Showers benefited eastern crop areas, but weekly amounts were light (generally less than 5mm) in the southwest. Spring planted crops were rated mostly good to excellent, except in the dry southwest where generally fair conditions prevail.



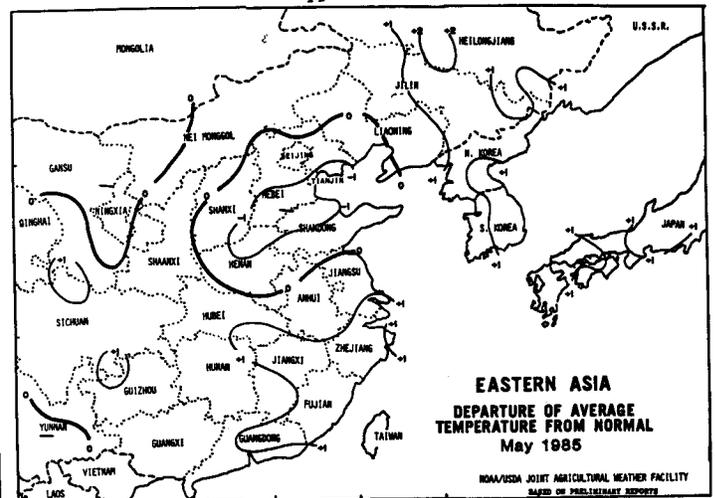
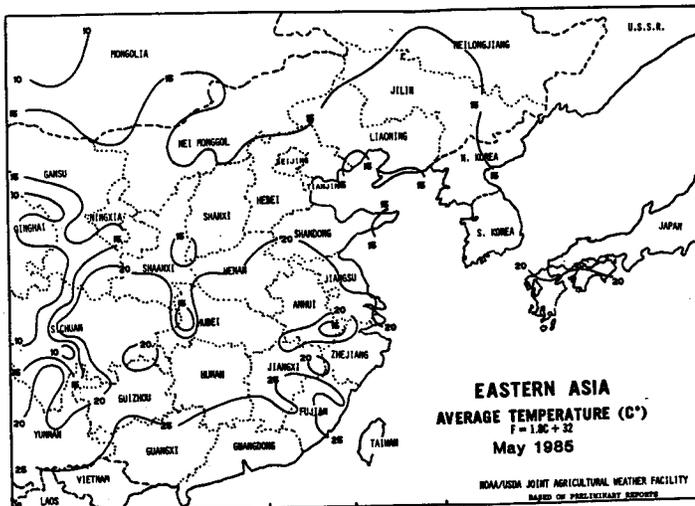
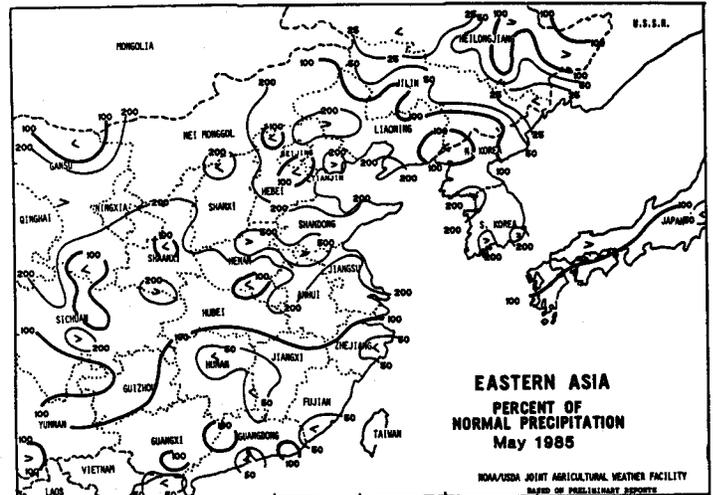
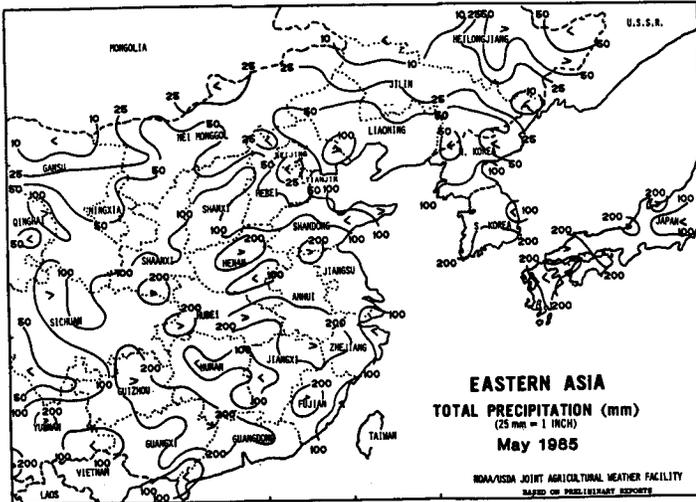
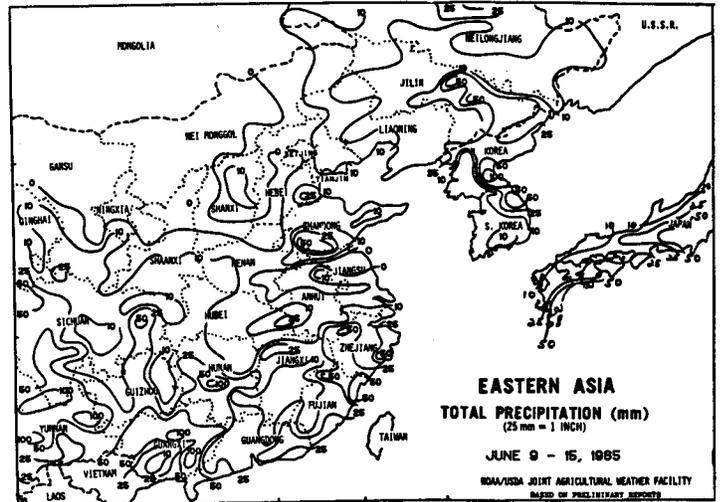
EUROPE...Wet weather, covered much of northern Europe, keeping soils moist for crop development. The moisture especially benefited areas from the Netherlands across the northern portion of West Germany, through East Germany to eastern Poland where May rainfall was below average in this region. Winter wheat is entering the heading stage in northern crop areas. Light rain (less than 10mm) fell over eastern and southern France, the Iberian Peninsula, nearly all of Italy, and the Balkan Peninsula. Over most areas along the Mediterranean, above average May rainfall provided adequate moisture for winter crops in the grain filling stage. Recent dryness in Spain and southern Italy aided grain maturation and harvesting. Persistent dryness continued to hamper crop development in southern Romania.



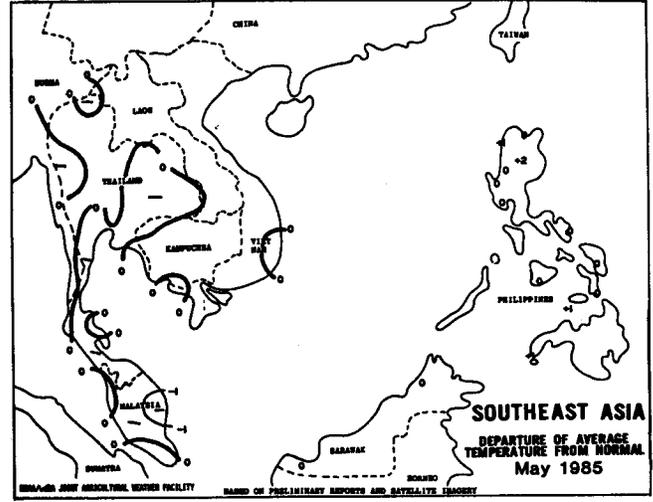
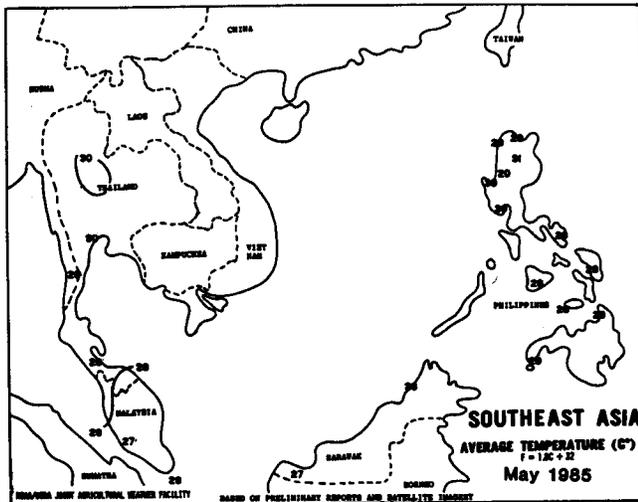
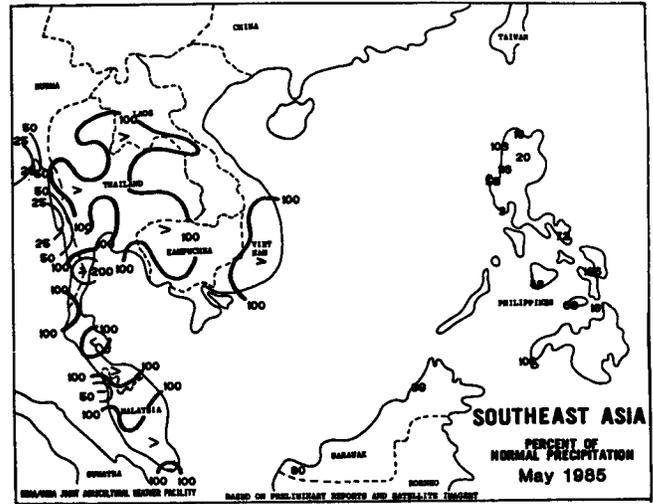
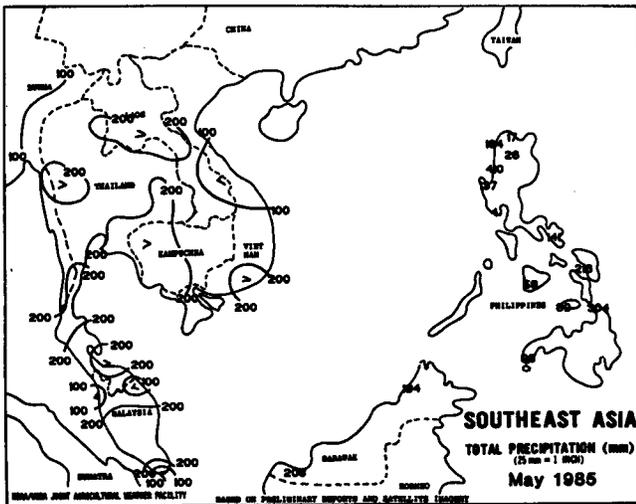
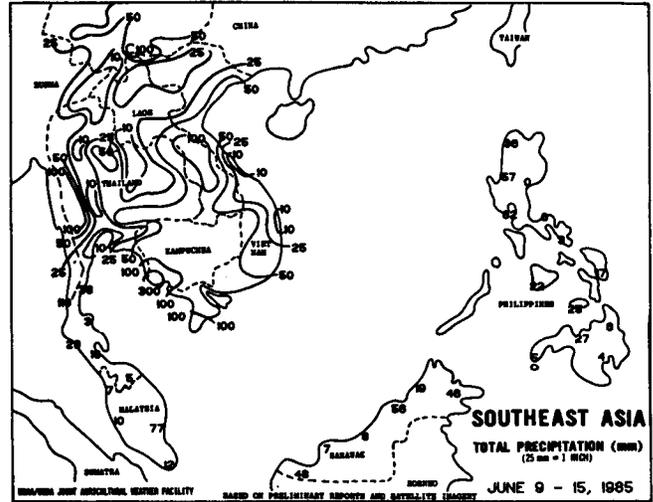
MEXICO...The southern Plateau Corn Belt had widespread rain which will greatly benefit crops. Rain also extended into the northeastern citrus area, reducing irrigation and helping crops. So far, the northwestern mountain watersheds have been relatively dry, but satellite photos indicated a gradual increase in cloudiness. The Northwest remained dry, favoring grain harvest but causing growers to irrigate summer crops.



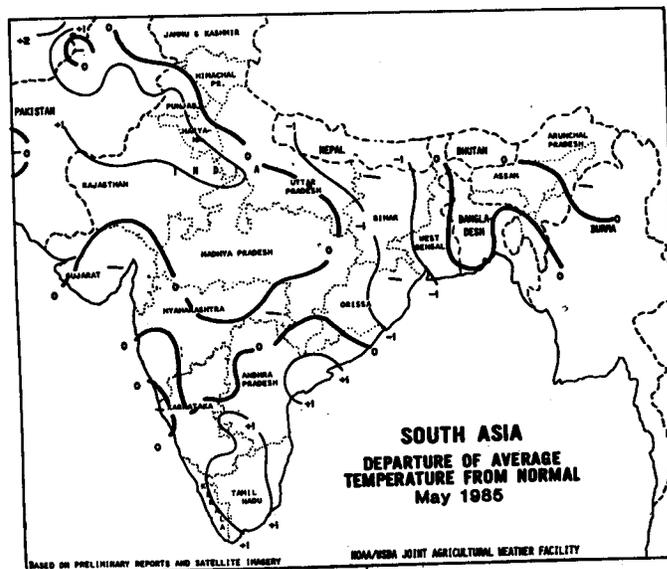
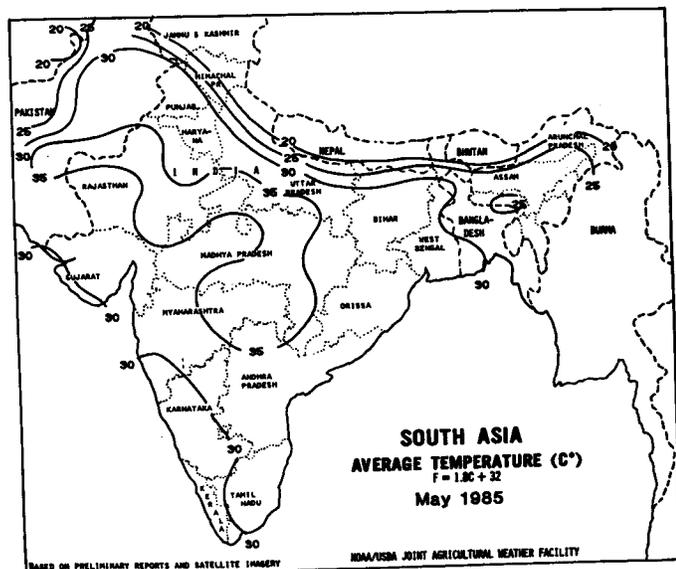
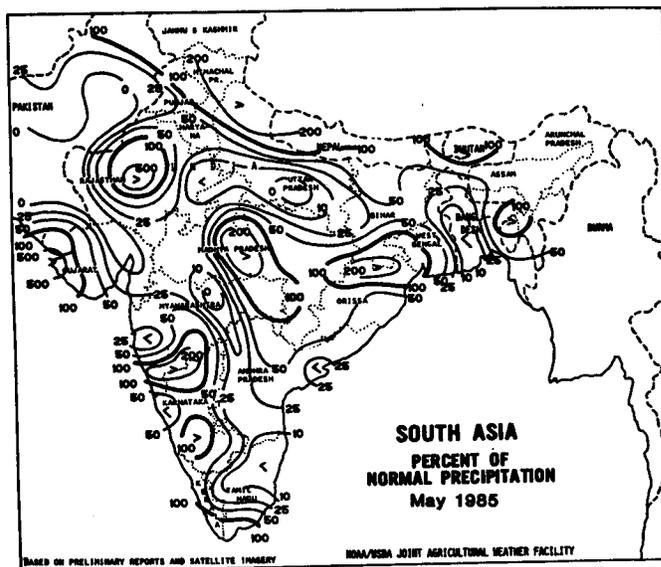
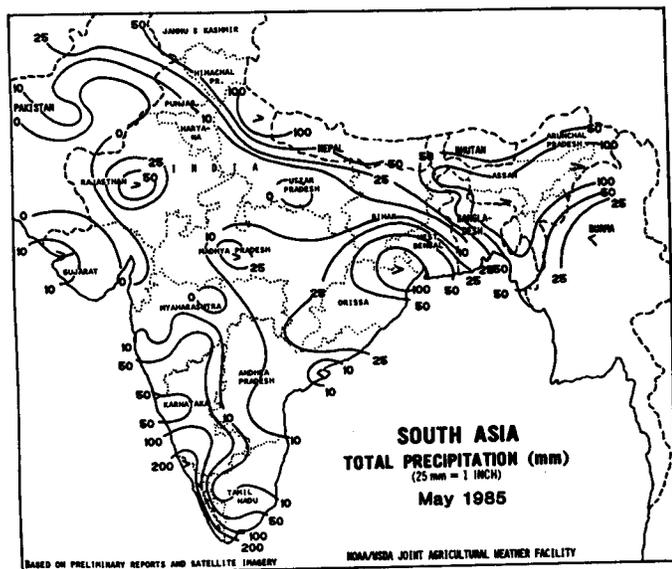
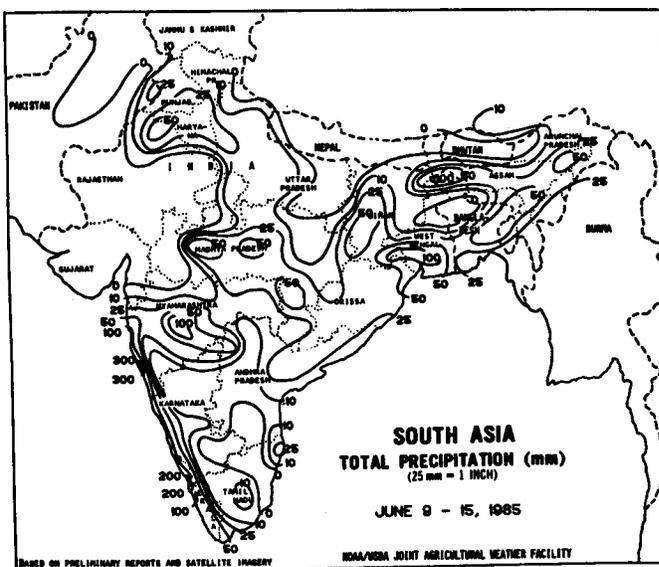
EASTERN ASIA... Below-normal May rainfall, especially in Hunan and Jiangxi, was unfavorable for early rice entering the heading stage and late rice planting. Rainfall increased in late May and early June, improving most of the rice region. Timely rain in early May favored winter wheat in the heading stage and summer crops in the vegetative stage. Drier weather in late May and early June benefited maturing wheat, but was unfavorable for vegetative growth of cotton, corn, and soybeans. Dry May weather in parts of Manchuria was unfavorable for early growth of corn and soybeans. This week, moderate rain benefited much of the rice region. Most of the North China Plain continued unfavorably dry for summer crops nearing reproduction. Isolated rain helped crops in Shandong and Heilongjiang.



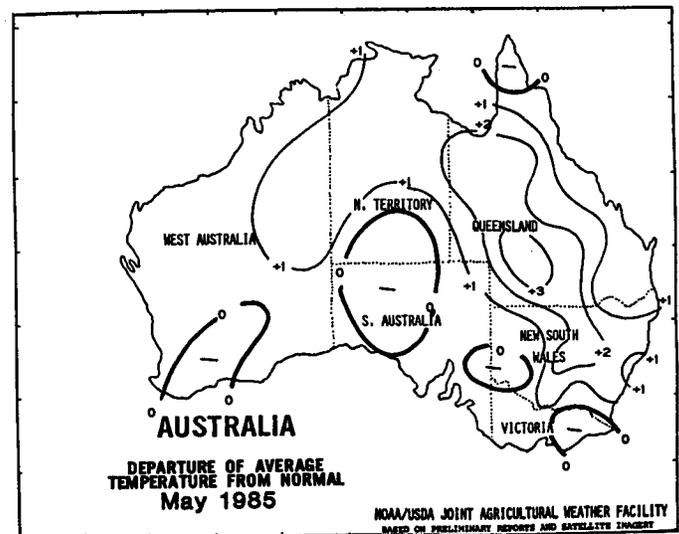
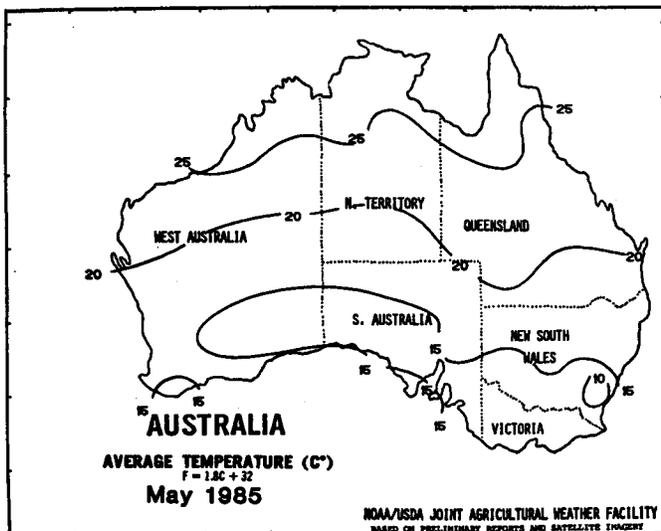
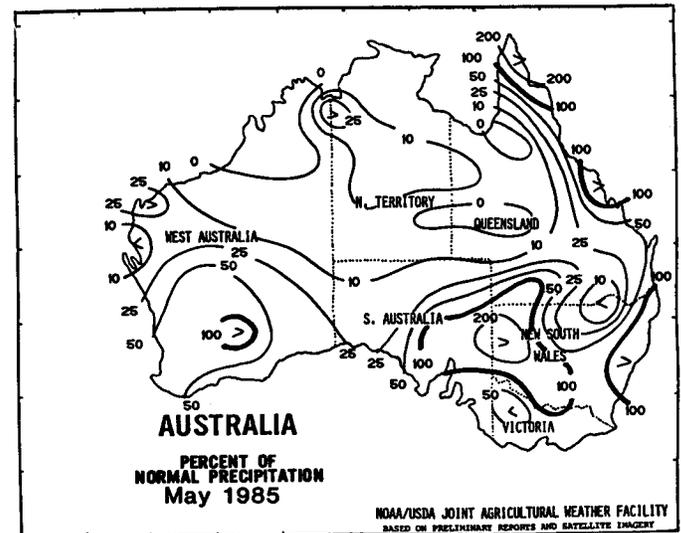
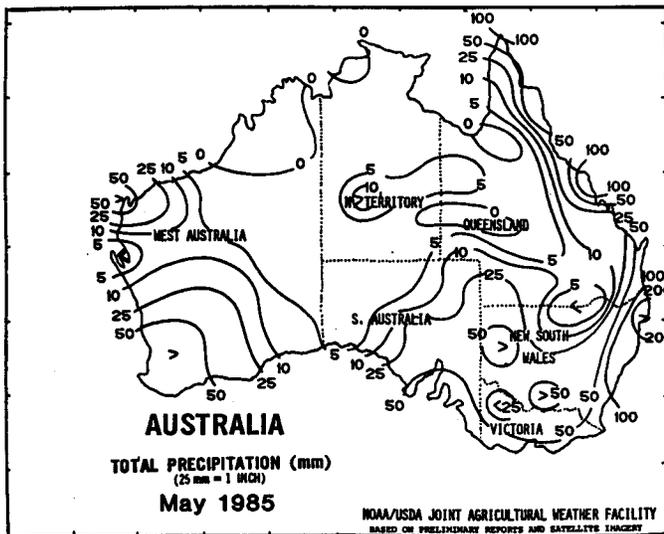
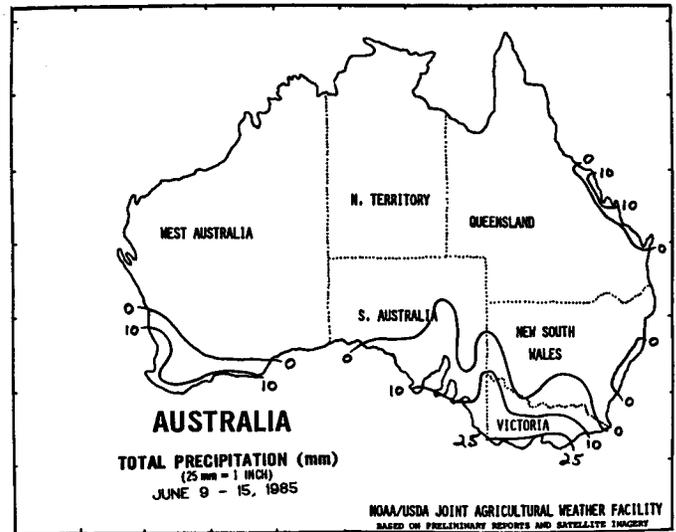
SOUTHEAST ASIA... Showers fell over most of Southeast Asia. In Thailand, weekly amounts were quite variable but the heaviest rain (50-100mm or more) fell in the west where mostly dry weather prevailed during the previous week. Rice areas in eastern Thailand received 5-50mm of rain, while central corn areas averaged 10-30mm. May rainfall was mostly near average, except in the northeast and extreme northwest. A dry pocket may still exist in northeastern Thailand; however, moisture is generally adequate for vegetative growth of rice and corn throughout most of the country. Monsoon showers also fell over Laos, Kampuchea and Vietnam. In the Philippines, timely rain over Luzon aided vegetative growth of upland rice and early planting of lowland rice. Weekly amounts have averaged near to somewhat below average in recent weeks over much of the rice area.

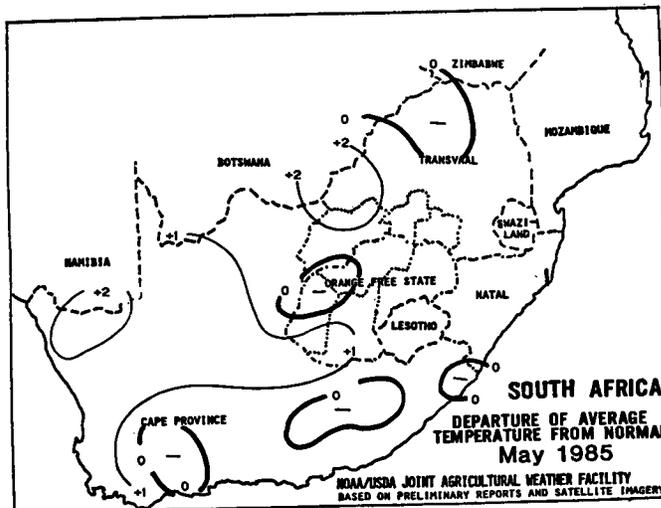
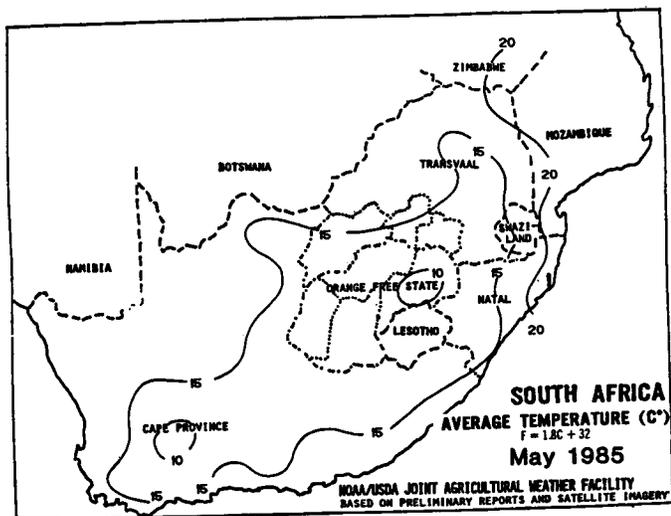
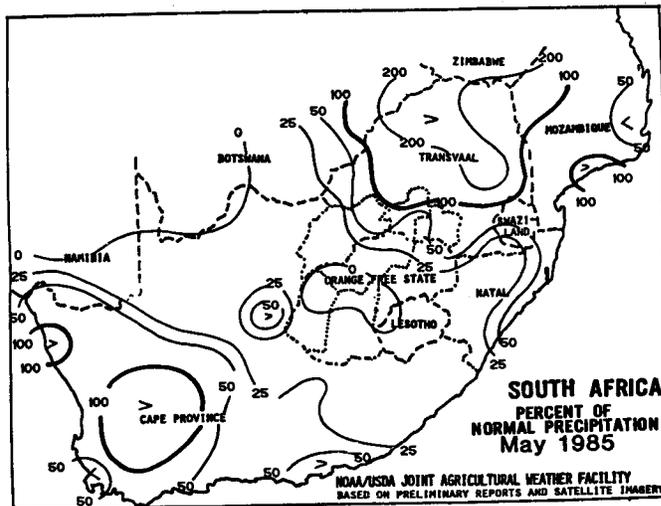
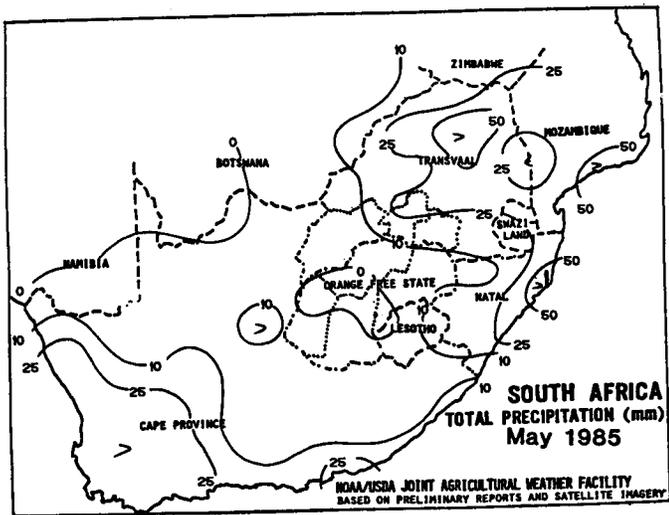


SOUTH ASIA... Premonsoon showers in early May were below normal, but rainfall increased by late May. Monsoon rain arrived on the southwest coast, near the normal June 1 onset date, providing abundant moisture for autumn rice planting. As much as 300mm of rain fell in Kerala in late May. Moderate to heavy rain continued during May in eastern India, providing adequate moisture for early rice growth. This week, heavy rain continued in the west, greater than 200mm in Kerala and Myharashtra. Scattered rain in interior southern India benefited cotton and groundnut planting. Timely rain (35-50mm) aided autumn rice planting in eastern Madhya Pradesh.



AUSTRALIA...Below-normal May rainfall across most of Australia's major wheat areas slowed planting. Above-normal temperatures in early May increased evaporation, further reducing topsoil moisture needed for planting and germination. Wheat planting normally extends through June. In late May and early June, beneficial rain improved moisture for planting in much of the region. However, dryness continued to be a problem in western Victoria and northern New South Wales. Moderate rain (15-20mm) recently moistened topsoils in western Victoria, allowing wheat planting to progress. Northern New South Wales remains unfavorably dry.





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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor Don Haddock
Meteorologists Lyle Denny,
Ray McInturff, Jim Williams, Wes Byrd,
Mark Brusberg, and Dan Sullivan

Subscriptions (202) 447-7917 . . Cheryl Caleco

U.S. DEPARTMENT OF AGRICULTURE
Economics Management Staff
Editor Sharon Lee
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(continued from p. 18)

PASTURES AND LIVESTOCK: Pastures were mostly fair to good. Rain improved pastures in the Southeast. Livestock were mostly good.

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