

# WEEKLY WEATHER AND CROP BULLETIN

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

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

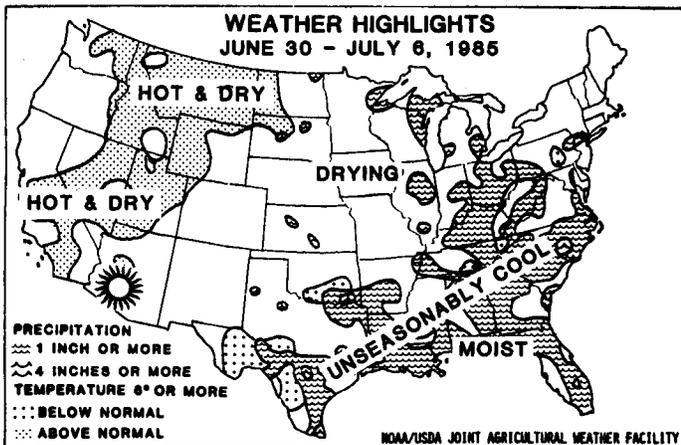
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July 9, 1985

## National Weather Summary

June 30 - July 6, 1985



WEDNESDAY...Heavy rains drenched portions of south-eastern Texas and western Louisiana. Showers and thunderstorms were scattered from central Texas to New England. No rain fell along the Atlantic Coast from South Carolina to New Jersey. Another area of thunderstorms developed from the central Rockies to the upper Mississippi Valley. Hot weather continued in the Southwest and spread into the northern Plains and the western end of the Corn Belt.

THURSDAY...Heavy rains, continuing in southeastern Texas, caused local flooding. Thunderstorms were scattered through the eastern portion of the Plains, the Great Lakes region, the Ohio and Tennessee Valleys, and the Southeast. Hot weather continued from the Southwest to Montana, but cooler weather pushed into the northern Plains. However, afternoon temperatures reached to over 100 degrees in parts of the central and southern Plains.

FRIDAY...Showers and thunderstorms were concentrated from the Mississippi River to the Atlantic Coast and all along the gulf coast. Morning temperatures were quite cool in most of the northern and central Plains, but by afternoon, temperatures climbed into the nineties over the western Plains.

SATURDAY...Heavy showers posed threats of flooding in parts of the Southeast. Thunderstorms were reported along the eastern gulf coast, through the Atlantic Coast States, and the eastern Great Lakes region. Hot weather returned to the northern Plains as afternoon temperatures climbed above 100 degrees in much of that area and the Southwest.

HIGHLIGHTS: Thunderstorms produced light rain in most of the northern and central Plains and parts of the western Corn Belt. The lower Missouri Valley did not have rain. Heavier showers and thunderstorms concentrated through eastern Texas and Oklahoma and across the South. Light to moderate showers fell in the Corn Belt from Illinois eastward, but isolated areas were left dry. Most of the East was cooler than normal but hot weather, that had been confined to the Southwest, spread northward and eastward. As the week ended, afternoon high temperatures exceeded 100 degrees in much of the Plains and in the Southwest.

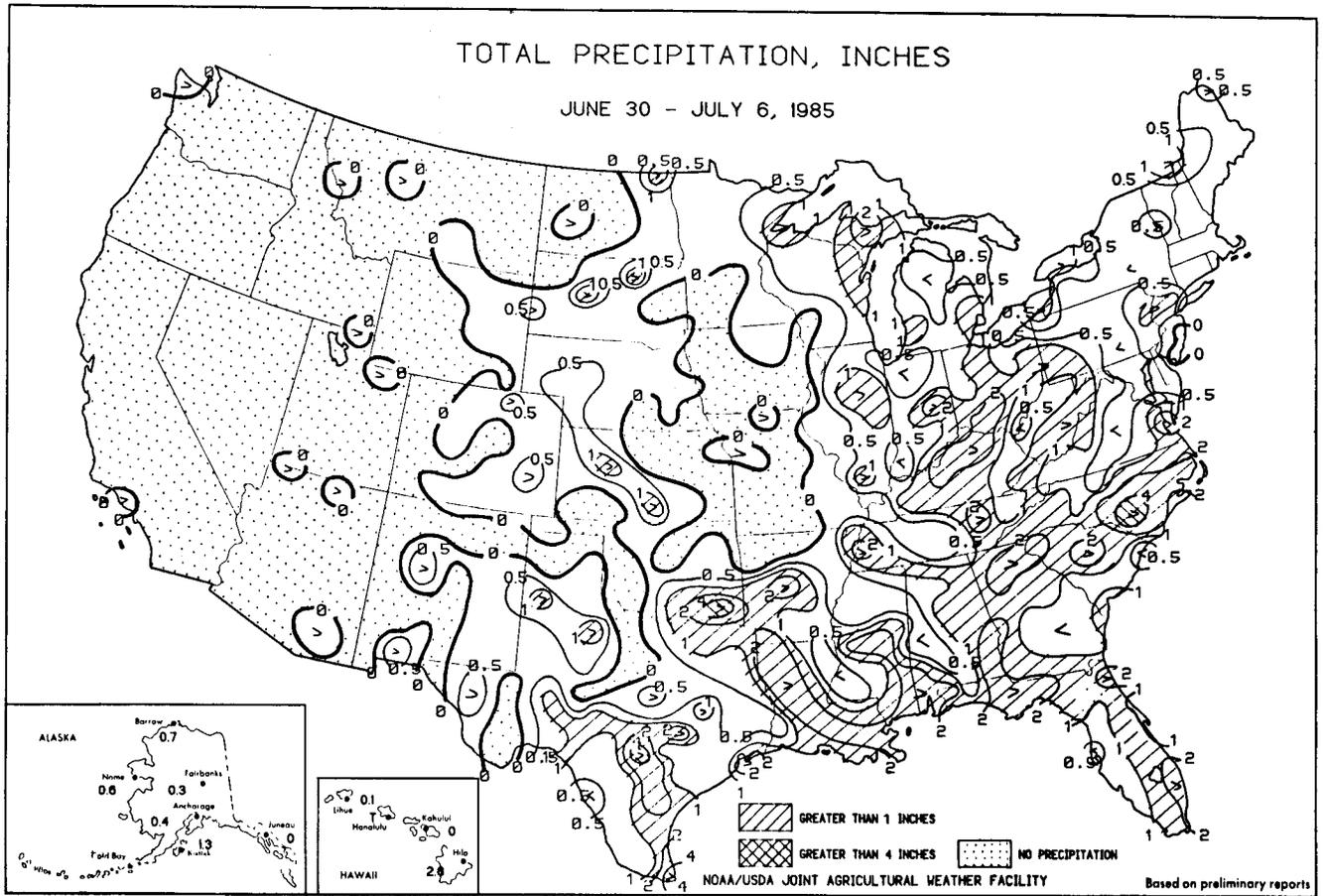
SUNDAY...Thunderstorms brought moderate to heavy rain to parts of North Carolina where it had been very dry. Moderate showers also fell in parts of Florida, and light rain covered the rest of the Southeast and the Ohio Valley. Thunderstorms pounded the High Plains from Kansas and Colorado to western Montana. Record-low temperatures were measured in Texas.

MONDAY...Showers and thunderstorms covered most of the area east of the Mississippi River and south of New York. Heavy storms were from the middle Ohio Valley through the Tennessee Valley and at isolated points along the Gulf and Atlantic Coasts. Afternoon thunderstorms developed again over the High Plains from Texas to Montana.

TUESDAY...Thunderstorms were scattered through the central and southern Plains and through the area east of the Mississippi River. Moderate rain fell from the storms from Kentucky and West Virginia, through the upper Ohio Valley. Record-high temperatures were reached in the Southwest, and the warm weather spread northeastward to the northern Plains.

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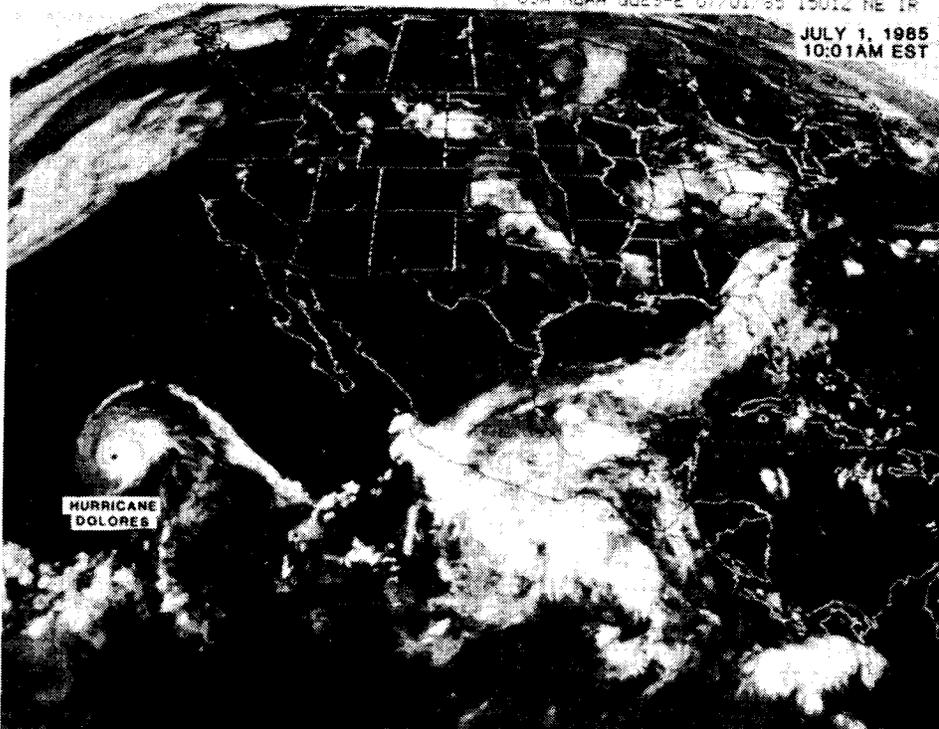
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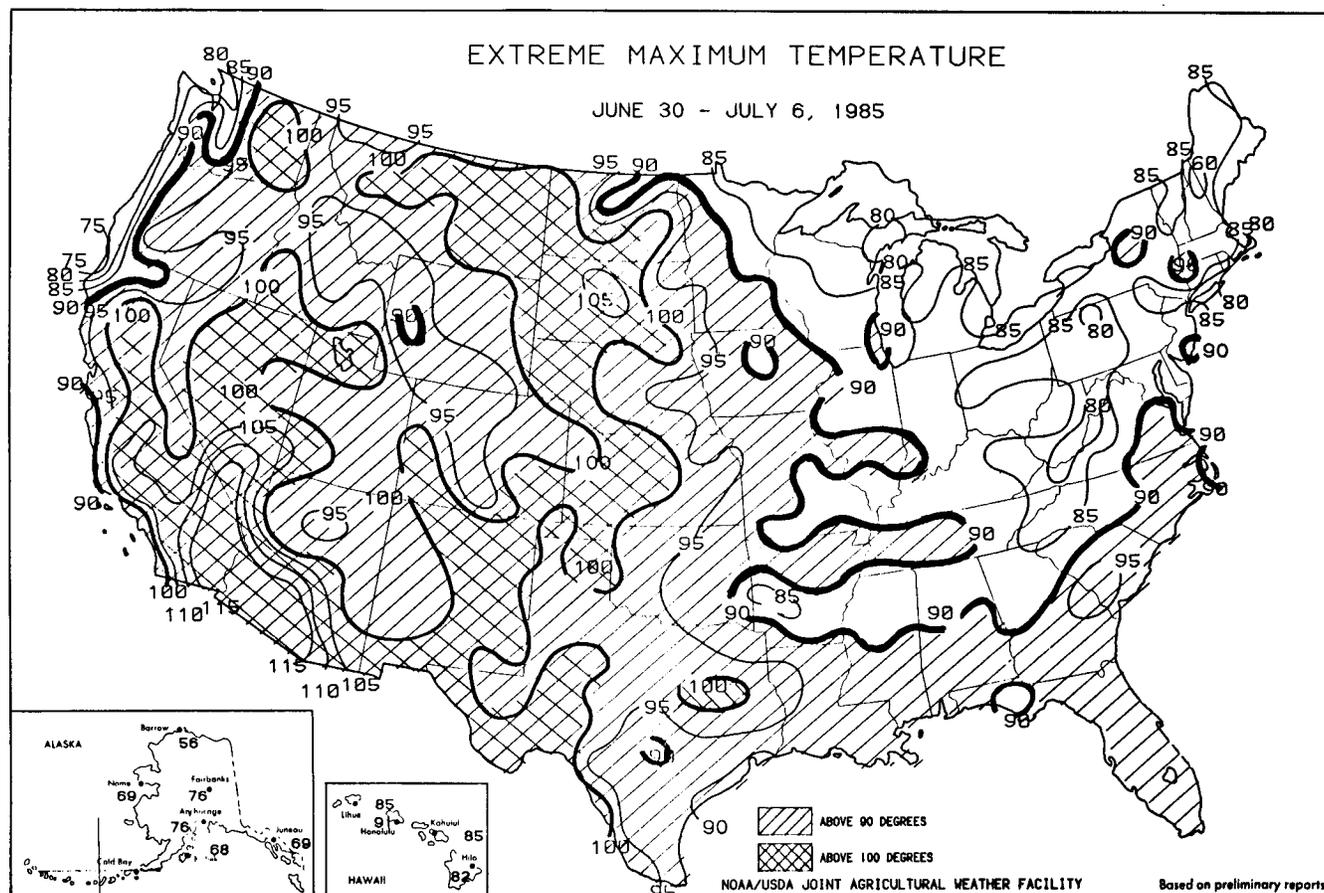
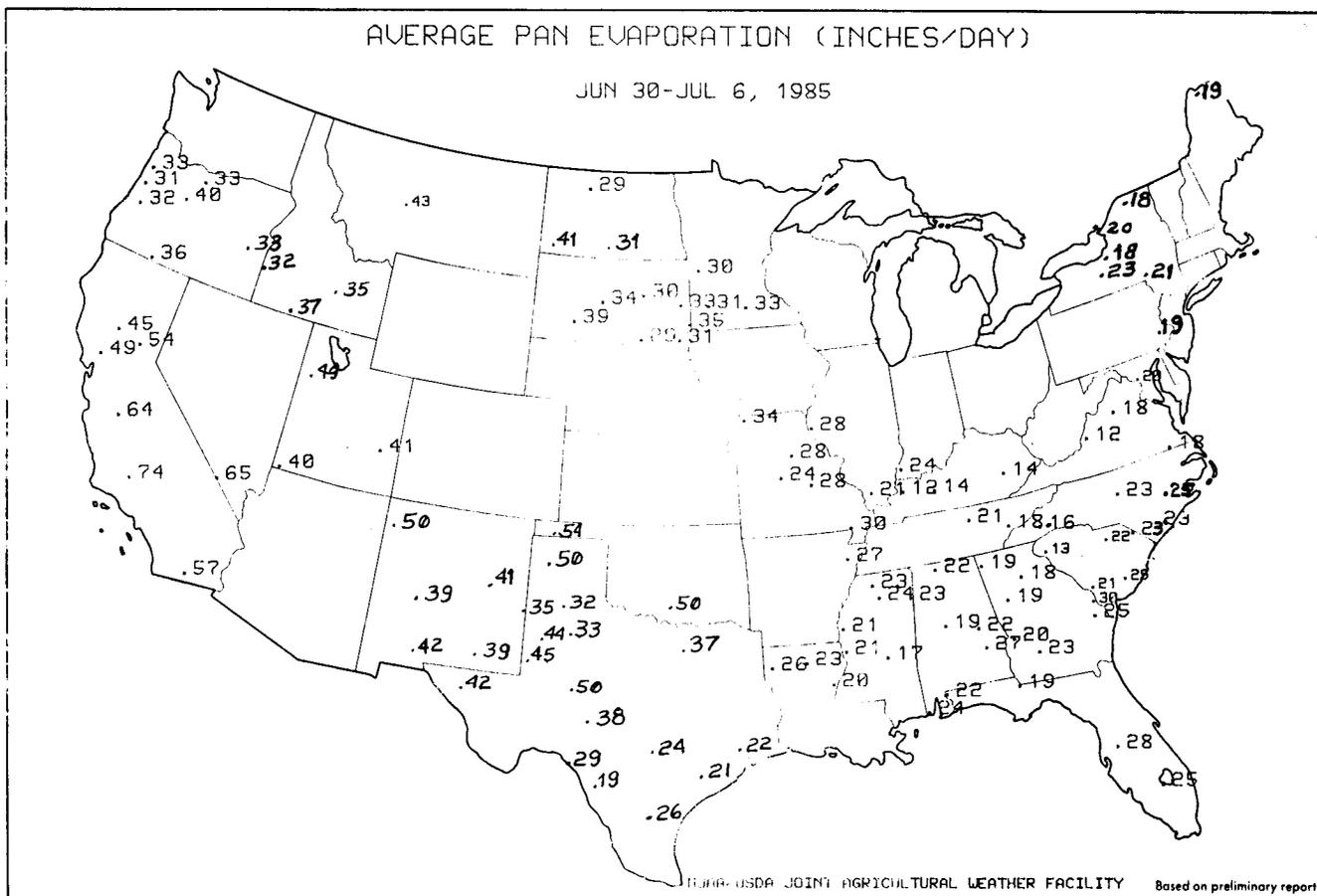
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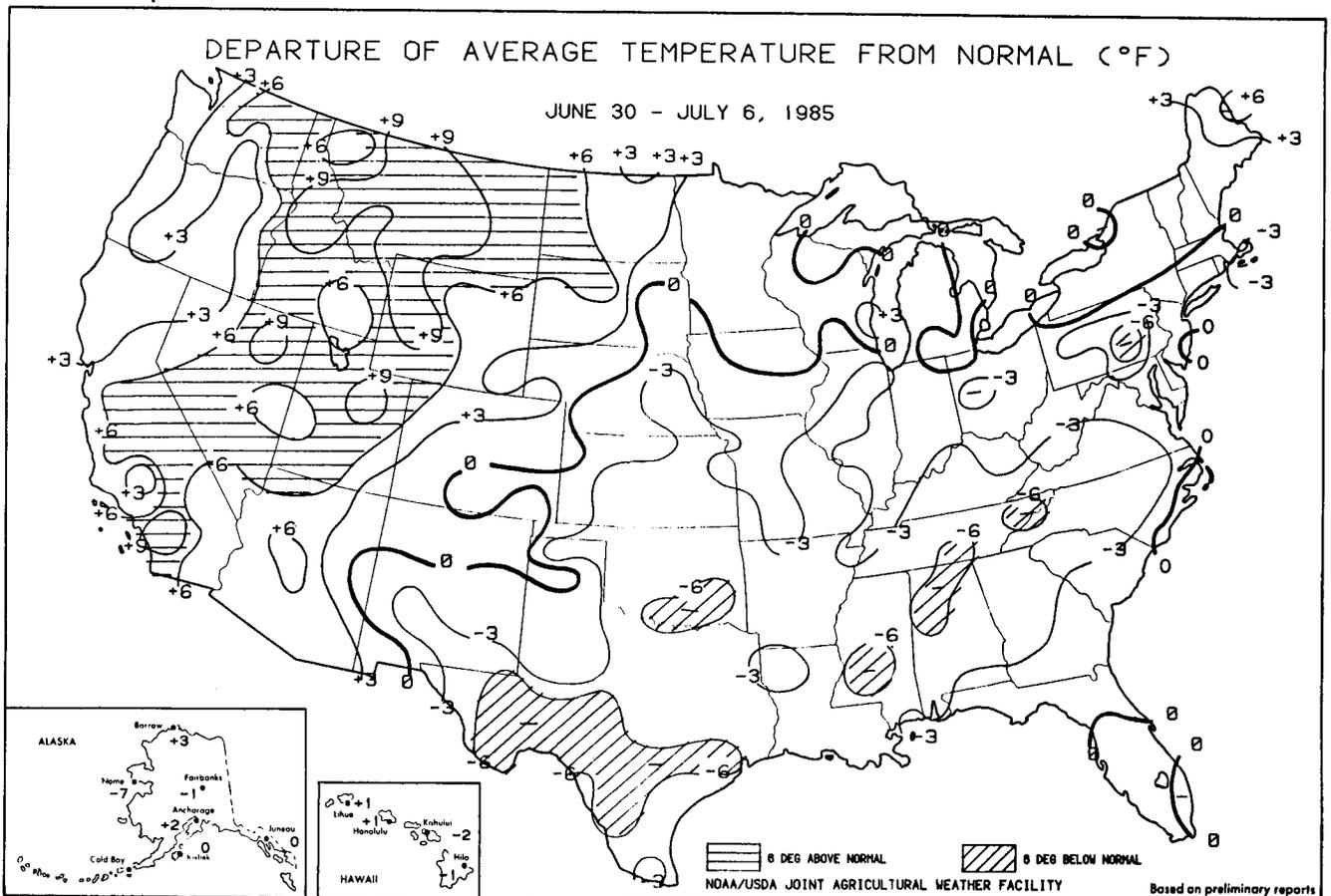
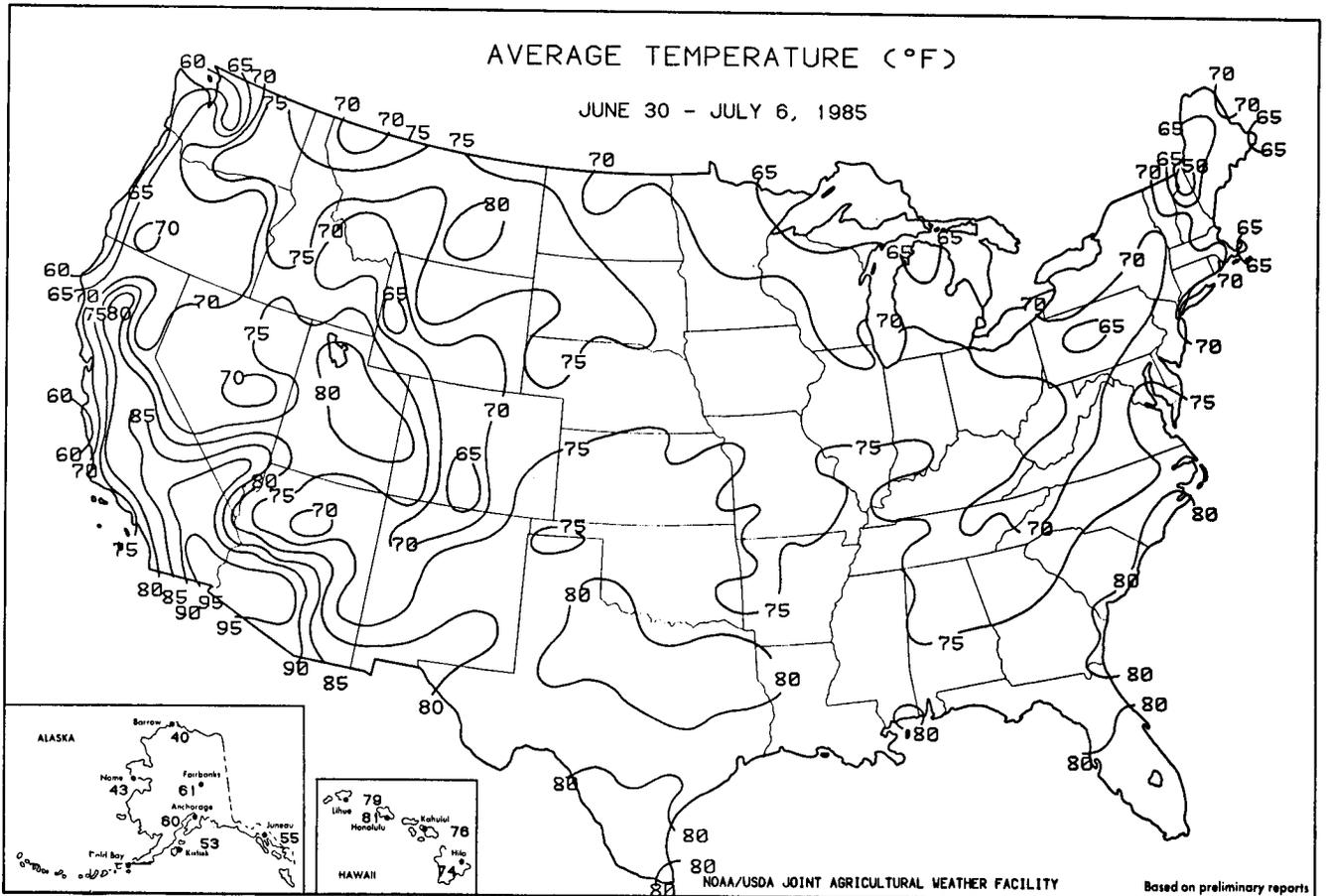
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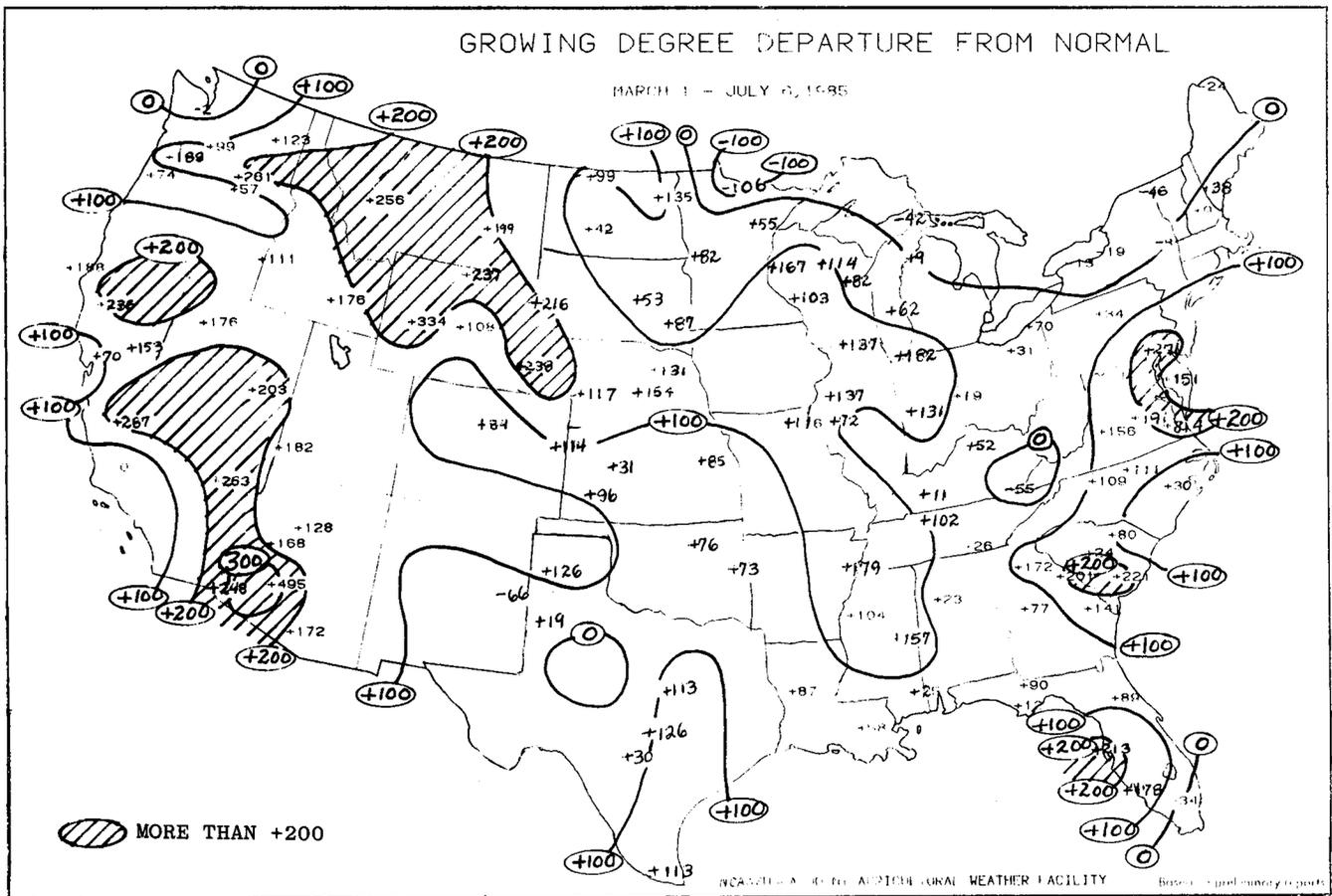
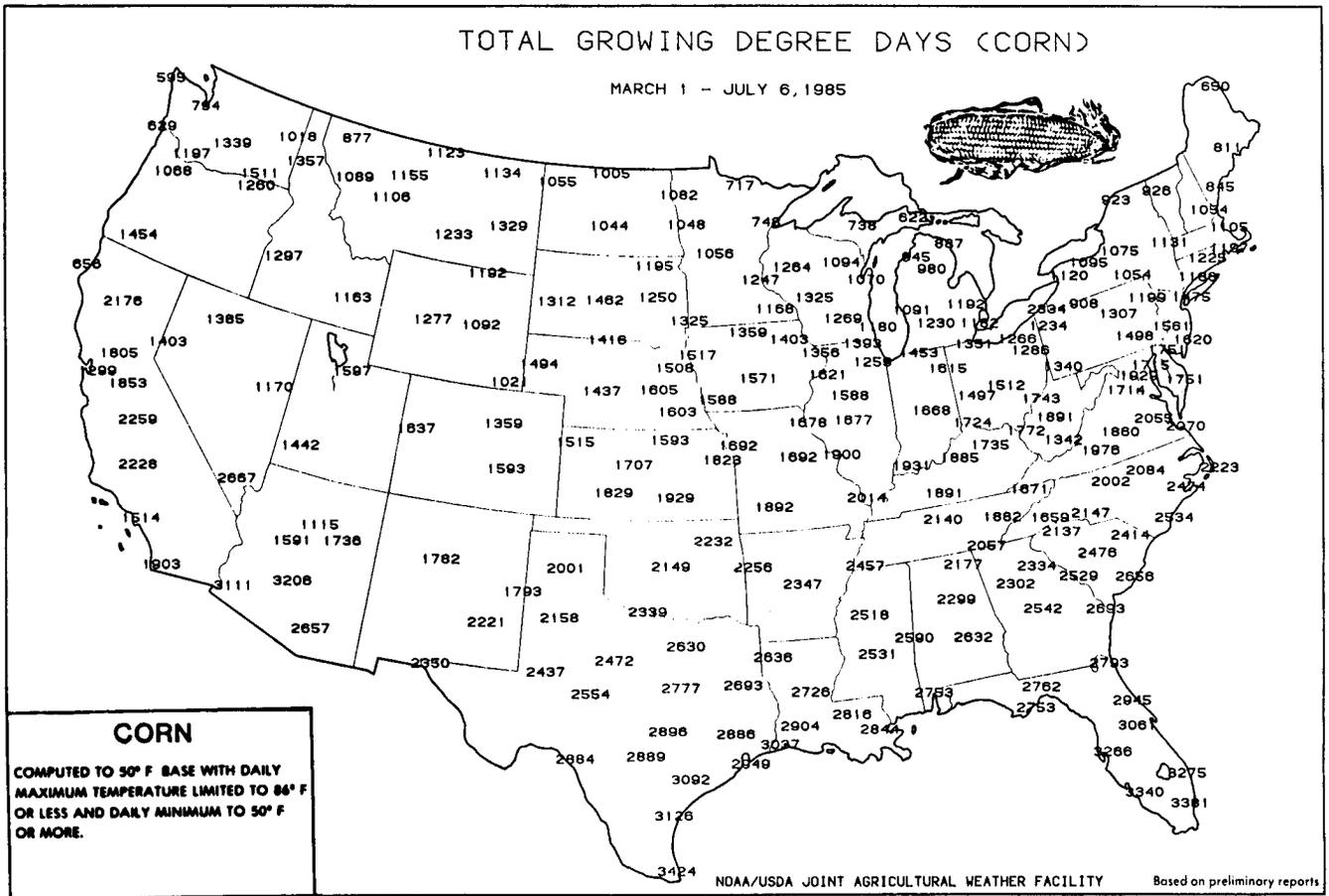


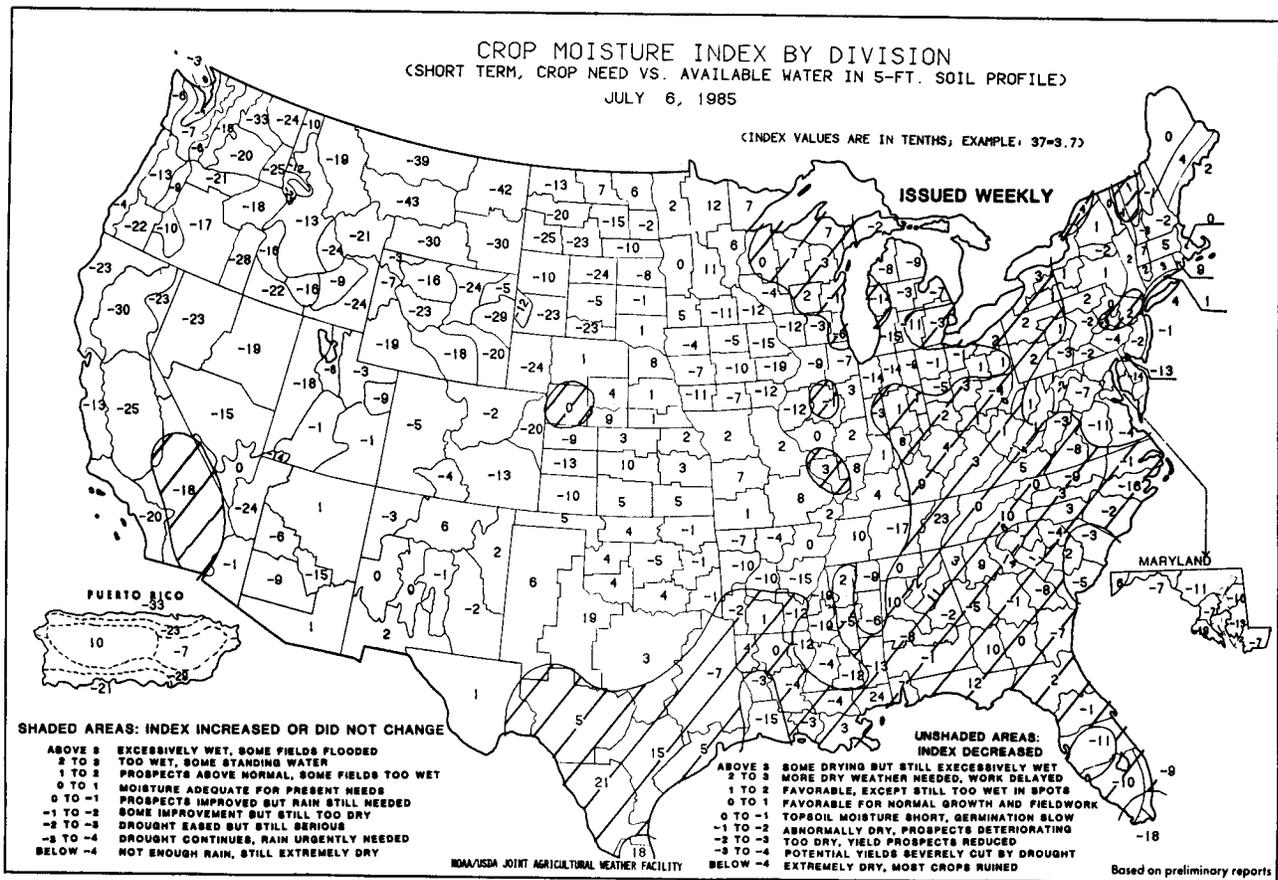
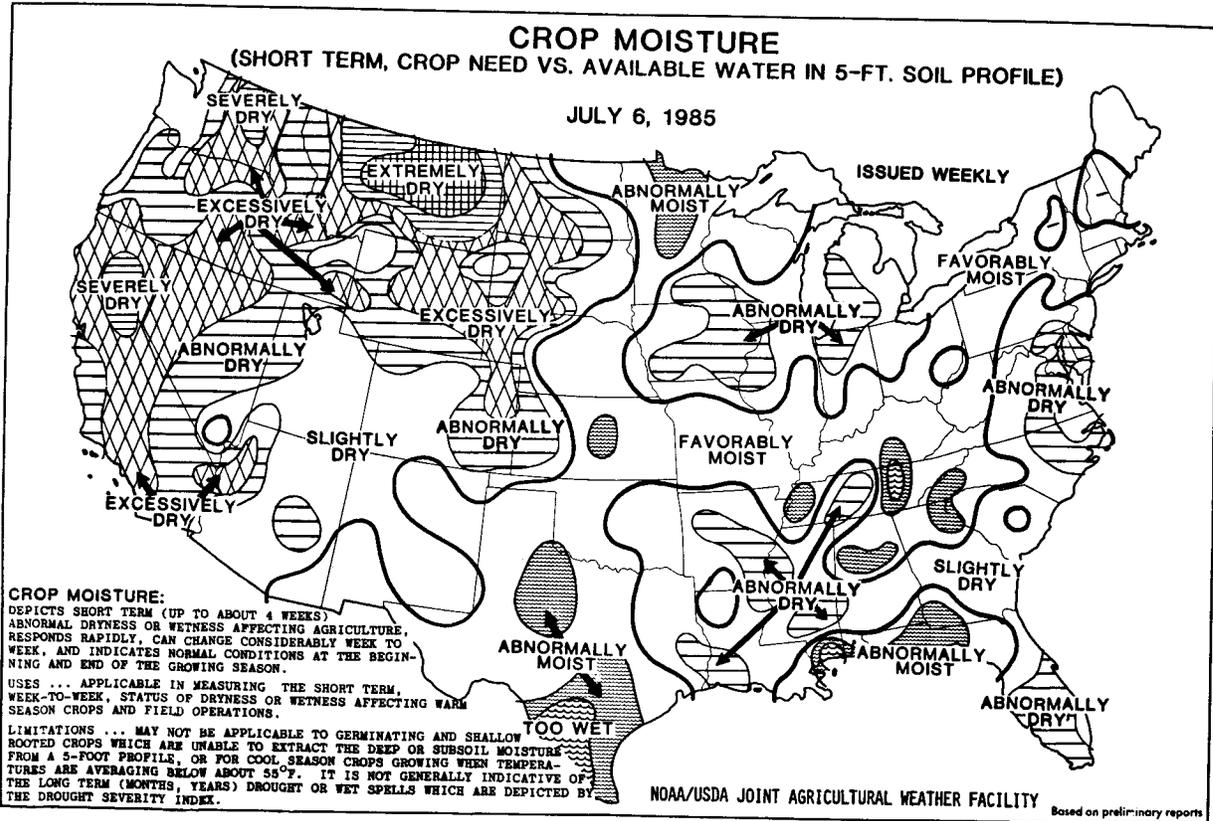
HOT, DRY WEATHER DOMINATES THE WEST, WHILE SHOWERS ARE SCATTERED ACROSS PARTS OF THE EAST COAST, OHIO VALLEY, AND THE GREAT PLAINS. A WIDE BAND OF TROPICAL SHOWERS AND THUNDERSTORMS EXTEND FROM THE SOUTHEASTERN U.S. COAST TO THE PACIFIC OCEAN JUST SOUTH OF MEXICO. HURRICANE DOLORES, WITH ITS LARGE AND DISTINCT EYE, CHURNS TOWARD THE WEST IN THE EASTERN PACIFIC OCEAN.

- \* SNOW
- RAIN
- ▽ RAINSHOWERS
- ⚡ THUNDERSTORMS
- ⋯ PRECIPITATION AREAS









Weather Data for the Week Ending July 6, 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	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	84	64	89	62	74	-5	1.5	.4	.6	7.8	170	25.8	84	100	58	0	0	6	1
MOBILE	86	68	90	63	77	-5	3.4	1.8	1.7	7.4	114	31.3	94	84	49	1	0	4	3
MONTGOMERY	87	66	93	63	77	-4	1.1	.1	.7	3.2	74	23.5	86	93	49	2	0	2	1
AK ANCHORAGE	67	53	76	49	60	2	.4	0	.4	1.4	98	5.7	112	89	55	0	0	2	0
BARROW	46	35	56	30	40	3	.7	.6	.2	1.1	227	1.7	121	98	74	0	2	3	0
FAIRBANKS	69	53	76	48	61	-1	.3	0	.2	2.0	126	4.3	113	95	52	0	0	5	0
JUNEAU	61	49	69	44	55	0	.4	-.5	.3	5.0	140	14.4	72	95	59	0	0	2	0
KODIAK	58	47	68	40	53	0	1.3	.5	.9	7.6	190	35.4	101	99	79	0	0	3	1
NOME	48	37	69	32	43	-7	.6	-.2	.3	1.9	120	5.6	122	98	78	0	1	4	0
AZ PHOENIX	111	83	115	79	97	6	0	-.1	0	0	0	1.8	64	28	10	7	0	0	0
PRESCOTT	97	61	100	55	79	7	0	-.5	0	0	0	5.1	73	45	18	7	0	0	0
TUCSON	107	75	109	70	91	5	.3	-.1	.3	4	70	3.8	123	34	9	7	0	1	0
YUMA	112	83	116	79	97	5	0	0	0	0	0	.3	30	43	17	7	0	0	0
AR FORT SMITH	91	65	92	61	78	-3	0	-.8	0	2.8	64	24.8	115	90	37	5	0	0	0
LITTLE ROCK	87	65	91	58	76	-5	1.6	-.9	1.0	3.8	99	23.3	88	92	50	1	0	4	1
CA BAKERSFIELD	100	69	101	60	84	1	0	0	0	.4	550	2.0	51	49	18	7	0	0	0
EUREKA	64	51	73	45	58	2	0	-.1	0	.9	145	11.5	51	93	70	0	0	0	0
FRESNO	103	70	107	64	87	7	0	0	0	.3	367	3.3	46	53	15	7	0	0	0
LOS ANGELES	85	67	97	64	76	8	0	0	0	0	0	3.5	42	75	40	2	0	0	0
RED BLUFF	101	65	106	59	83	2	0	-.1	0	.1	14	4.9	38	54	13	7	0	0	0
SACRAMENTO	100	61	103	53	80	6	0	-.1	0	.2	94	4.4	41	67	17	7	0	0	0
SAN DIEGO	85	70	96	66	77	9	0	0	0	.2	267	2.4	39	75	46	3	0	0	0
SAN FRANCISCO	81	55	99	52	68	6	0	0	0	.3	207	6.8	54	83	33	1	0	0	0
CO DENVER	90	57	98	51	73	2	T	-.4	T	1.5	76	7.4	86	53	14	4	0	0	0
GRAND JUNCTION	97	63	102	60	80	2	0	-.1	0	.4	82	5.0	128	41	13	7	0	0	0
PUEBLO	96	53	101	49	74	-1	T	-.3	T	.1	8	4.7	92	61	15	6	0	1	0
CT BRIDGEPORT	78	62	85	57	70	-2	.3	-.4	.3	5.7	166	16.4	79	96	66	0	0	2	0
HARTFORD	83	58	86	52	71	-1	.3	-.4	.3	3.9	97	12.7	57	90	46	0	0	2	0
DC WASHINGTON	84	68	89	64	76	-2	.2	-.6	.2	2.2	55	15.1	78	89	53	0	0	2	0
FL APALACHICOLA	87	70	91	67	79	-2	3.7	2.2	1.8	8.5	140	22.1	94	88	58	2	0	4	2
DAYTONA BEACH	89	72	90	70	80	-1	.7	-.7	.4	7.4	98	16.8	78	93	57	3	0	3	0
JACKSONVILLE	89	70	92	66	79	-2	1.3	-.1	.6	4.9	75	13.5	54	91	53	4	0	4	1
KEY WEST	89	79	91	76	84	0	.2	-.8	.1	.8	13	18.4	118	89	64	2	0	2	0
MIAMI	89	72	92	69	81	-1	2.1	.5	1.3	7.1	67	15.3	58	94	59	4	0	4	2
ORLANDO	91	72	93	70	81	-1	1.2	-.6	.7	5.0	56	16.5	71	96	49	5	0	4	1
TALLAHASSEE	89	69	92	66	79	-2	3.8	1.9	2.3	11.2	137	23.9	73	100	57	4	0	6	2
TAMPA	89	76	92	74	83	1	.2	-.3	.1	6.6	101	13.7	67	88	55	5	0	4	0
WEST PALM BEACH	89	73	94	70	81	-1	2.1	.5	1.7	5.3	57	18.1	68	97	57	3	0	5	1
GA ATLANTA	82	66	89	63	74	-4	2.3	1.3	1.1	4.3	100	22.7	81	89	56	0	0	4	2
AUGUSTA	90	68	96	64	79	-1	.8	-.1	.5	3.8	80	17.6	71	96	45	3	0	5	0
MACON	89	70	93	67	79	-2	.8	-.2	.7	2.1	46	16.3	63	87	47	4	0	3	1
SAVANNAH	89	71	92	68	80	-1	1.6	0	.7	8.3	118	15.7	63	91	48	3	0	4	2
HI HILO	80	69	82	67	74	-1	2.6	1.0	1.2	4.3	57	71.7	108	95	68	0	0	7	2
HONOLULU	89	72	91	69	81	1	T	0	T	T	7	7.8	59	78	43	2	0	1	0
KAHULUI	84	68	85	62	76	-2	T	-.1	T	T	0	5.9	46	90	57	0	0	0	0
LIHUE	84	74	85	72	79	1	-.1	-.3	.1	.6	29	14.8	65	75	57	0	0	1	0
ID BOISE	96	59	101	50	78	6	T	-.1	T	.4	36	4.6	64	42	11	7	0	0	0
LEWISTON	96	60	102	53	78	6	0	-.2	0	1.1	69	4.8	65	50	15	6	0	0	0
POCATELLO	95	52	98	46	73	5	0	-.2	0	1.0	87	5.7	88	66	14	6	0	0	0
IL CHICAGO	82	56	91	52	69	-3	.3	-.7	.3	2.2	46	16.2	94	95	45	1	0	1	0
MOLINE	87	59	91	57	73	-1	1	-.1	.1	2.3	44	16.4	85	90	35	3	0	1	0
PEORIA	84	60	88	57	72	-3	1.1	.2	.6	6.1	131	19.7	108	94	46	0	0	3	1
QUINCY	85	60	89	58	73	-3	.4	-.6	.3	3.0	62	14.9	78	94	44	0	0	2	0
ROCKFORD	82	58	88	54	70	-2	.7	-.4	.7	4.2	75	15.1	81	96	48	0	0	2	1
SPRINGFIELD	84	59	86	56	72	-4	T	-.8	T	5.8	132	16.8	92	95	52	0	0	1	0
IN EVANSVILLE	86	66	90	63	76	-2	.1	-.8	.1	4.8	112	23.7	102	77	43	1	0	2	0
FORT WAYNE	82	62	87	59	72	-1	.8	0	.6	3.4	79	16.6	91	84	43	0	0	2	1
INDIANAPOLIS	82	64	86	61	73	-2	1.5	.5	1.0	4.6	95	22.8	109	87	49	0	0	3	1
SOUTH BEND	83	61	89	58	72	0	T	-.9	T	2.9	62	17.1	90	85	39	0	0	1	0
IA DES MOINES	87	62	92	57	74	-1	T	-.8	T	3.7	76	11.5	70	85	40	2	0	0	0
SIOUX CITY	87	59	98	56	73	-1	T	-.8	T	1.2	24	12.0	88	83	35	2	0	0	0
WATERLOO	86	58	92	53	72	0	.1	-1.0	.1	2.8	53	11.2	66	93	39	1	0	1	0
KS CONCORDIA	90	61	98	58	76	-2	0	-.9	0	3.2	64	12.9	89	79	26	3	0	0	0
DODGE CITY	92	60	102	54	76	-2	T	-.7	T	2.9	80	8.8	79	67	23	6	0	0	0
GOODLAND	91	60	97	56	75	-1	.4	-.2	.4	1.1	33	7.7	85	73	22	5	0	2	0
TOPEKA	91	61	99	59	76	-1	.2	-.9	.2	5.3	88	17.8	103	86	35	5	0	1	0
WICHITA	89	63	98	60	76	-4	.4	-.5	.4	5.2	108	13.5	92	83	32	3	0	1	0
KY BOWLING GREEN	82	63	88	61	73	-5	1.9	.9	1.6	4.4	81	17.4	63	96	52	0	0	3	1
LEXINGTON	82	62	84	60	72	-3	2.1	.9	.9	6.3	121	19.7	78	95	56	0	0	5	2
LOUISVILLE	83	64	86	62	73	-3	2.5	1.6	1.5	6.9	158	21.2	88	96	58	0	0	3	2
LA ALEXANDRIA	89	68	94	61	78	-5	3.2	2.2	2.4	4.7	98	25.1	79	92	54	4	0	2	2
BATON ROUGE	86	69	90	64	77	-5	1.7	.4	1.0	5.7	135	24.7	86	82	52	2	0	2	2
LAKE CHARLES	88	69	93	63	78	-4	.2	-.9	.2	1.7	33	20.5	80	96	54	4	0	3	0
NEW ORLEANS	86	69	92	63	77	-5	2.5	1.1	1.6	7.1	121	31.4	104	89	56	2	0	4	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending July 6, 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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	92	68	96	63	80	-2	3.5	2.7	3.3	8.1	189	24.2	97	89	43	6	0	2	1
ME CARIBOU	81	56	86	48	68	4	.8	0	.5	3.6	96	13.5	83	95	42	0	0	2	1
PORTLAND	78	57	84	51	68	1	T	T	T	2.8	76	11.8	53	91	57	0	0	1	0
MD BALTIMORE	83	65	89	60	74	-2	.2	-.7	.1	2.6	58	16.4	78	91	52	0	0	2	0
SALISBURY	81	66	86	60	73	-2	.1	-.8	.1	2.8	67	14.6	68	100	60	0	0	3	0
MA BOSTON	79	61	85	54	70	-3	.2	-.4	.2	4.2	122	14.3	64	96	62	0	0	1	0
CHATHAM	70	55	75	51	62	-3	.1	-.5	.1	6.9	213	21.5	92	--	--	0	0	1	0
MI ALPENA	79	53	84	50	66	1	.9	.2	.6	1.9	50	14.4	103	99	48	0	0	4	1
DETROIT	78	58	83	56	68	-3	1.4	.6	1.1	3.0	74	19.1	119	96	50	0	0	3	1
FLINT	82	57	85	53	70	0	.8	.2	.6	2.3	61	17.7	120	98	48	0	0	1	1
GRAND RAPIDS	81	58	89	54	70	-1	1.2	.4	1.0	2.9	63	16.2	95	95	43	0	0	2	1
HOUGHTON LAKE	77	54	83	48	66	-1	.2	-.5	.1	2.0	54	13.4	100	91	52	0	0	4	0
LANSING	81	57	87	53	69	-1	.4	-.4	.4	2.5	61	16.0	105	92	42	0	0	4	0
MARQUETTE	74	50	82	42	62	-2	3.0	2.2	2.5	4.5	99	25.1	134	95	52	0	0	3	1
MUSKEGON	79	57	83	51	68	-1	.6	0	.5	1.6	52	14.5	95	88	49	0	0	2	0
SAULT STE. MARIE	73	49	81	46	61	-1	.4	-.3	.2	2.0	52	18.9	125	99	64	0	0	4	0
MN ALEXANDRIA	83	60	90	54	71	2	T	-.7	T	3.1	65	12.8	102	91	41	1	0	1	0
DULUTH	77	53	83	44	65	1	1.4	.5	1.0	4.7	98	14.4	104	93	51	0	0	3	1
INT'L FALLS	79	53	82	47	66	1	.1	-.8	1.1	6.2	140	17.8	159	92	49	0	0	1	0
MINNEAPOLIS	86	62	93	58	74	2	.1	-.8	0	2.3	47	13.6	101	82	38	1	0	3	0
ROCHESTER	84	57	88	53	71	1	.1	-.8	0	1.0	21	8.3	59	77	36	0	0	1	0
MS GREENWOOD	85	68	87	64	77	-5	-.5	-.9	0	2.6	63	16.5	54	97	55	0	0	2	0
JACKSON	87	65	91	57	76	-5	.6	-.3	.6	2.4	64	21.3	72	96	47	1	0	1	0
MERIDIAN	88	66	93	58	77	-4	.2	-1.0	.1	2.9	65	21.6	71	99	51	3	0	4	0
MO CAPE GIRARDEAU	87	65	92	60	76	-4	.2	-.7	.2	4.6	109	29.1	119	91	48	1	0	1	0
COLUMBIA	85	61	88	59	73	-4	T	-.8	T	10.3	229	28.6	147	92	42	0	0	0	0
KANSAS CITY	87	60	92	56	73	-4	.1	-1.0	.1	3.7	66	18.1	101	88	37	1	0	1	0
SAINT LOUIS	87	66	92	62	76	-2	.2	-.7	.2	9.4	209	25.8	138	87	43	1	0	1	0
SPRINGFIELD	85	65	91	61	75	-2	0	-1.0	0	7.2	131	27.0	129	83	39	1	0	0	0
MT BILLINGS	97	63	102	56	80	10	.1	-.3	.1	1.1	48	5.4	57	49	12	7	0	1	0
GLASGOW	94	57	101	49	75	7	T	-.5	T	.1	3	3.7	55	56	17	5	0	0	0
GREAT FALLS	97	59	101	49	78	11	T	-.4	T	.6	19	5.7	58	49	12	7	0	1	0
HAVRE	97	56	101	48	76	9	0	-.4	0	.2	7	3.4	51	46	12	7	0	0	0
HELENA	96	58	100	50	77	12	T	-.3	T	.1	4	2.3	34	45	11	7	0	0	0
KALISPELL	89	46	93	40	67	4	0	0	0	1.6	62	6.1	69	90	20	3	0	0	0
MILES CITY	98	63	104	54	80	8	0	0	0	1.1	37	4.3	51	57	22	7	0	0	0
MISSOULA	97	54	101	51	76	11	T	-.3	T	.4	18	3.8	49	62	13	7	0	1	0
NE GRAND ISLAND	87	60	95	55	73	-2	T	-.7	T	4.0	93	14.7	108	82	32	2	0	0	0
LINCOLN	88	59	94	56	73	-3	T	-.8	T	6.2	137	15.2	103	89	34	2	0	0	0
NORFOLK	86	58	94	54	72	-3	T	-.9	T	4.5	89	14.7	106	87	33	1	0	1	0
NORTH PLATTE	90	54	96	47	72	-1	T	-.8	T	.9	21	7.9	68	74	24	4	0	2	0
OMAHA	86	63	93	59	74	0	T	-.8	T	2.5	52	11.9	76	75	40	2	0	1	0
SCOTTSBLUFF	94	57	101	54	75	3	.1	-.5	.1	1.8	52	5.0	54	75	16	5	0	1	0
VALENTINE	92	56	100	48	74	1	.3	-.3	.3	2.4	69	5.8	59	68	21	5	0	1	0
NV ELY	93	45	98	38	69	4	T	-.2	T	.4	45	3.9	74	46	10	6	0	0	0
LAS VEGAS	110	79	116	74	95	6	0	0	0	.1	27	.6	32	16	5	7	0	0	0
RENO	93	52	98	41	73	5	0	-.1	0	.1	31	2.1	47	59	10	6	0	0	0
WINNEMUCCA	97	50	100	39	73	4	T	-.1	T	.4	4	2.5	51	34	15	7	0	0	0
NH CONCORD	84	56	88	49	70	2	.2	-.5	.2	3.3	93	12.1	69	97	43	0	0	1	0
NJ ATLANTIC CITY	83	65	90	60	74	1	T	-.8	T	1.6	45	13.7	67	92	51	1	0	0	0
NM ALBUQUERQUE	94	62	100	52	78	0	.1	-.2	.1	.6	84	5.1	176	48	11	6	0	1	0
CLOVIS	90	61	97	58	76	-1	.7	.2	.4	3.6	123	11.4	152	68	23	4	0	2	0
ROSWELL	96	64	101	61	80	-1	T	-.2	T	1.5	133	6.5	210	57	18	7	0	1	0
NY ALBANY	83	58	87	49	70	0	.3	0	.2	4.5	115	14.1	79	96	51	0	0	2	0
BINGHAMTON	79	60	85	57	69	2	.1	-.7	0	2.9	67	12.8	70	90	49	0	0	3	0
BUFFALO	80	62	85	59	71	1	.5	-.2	.5	3.7	113	20.5	116	87	47	0	0	2	0
NEW YORK	82	65	88	61	74	-1	1.2	.5	1.1	5.6	147	16.6	78	96	58	0	0	3	1
ROCHESTER	82	59	88	53	70	0	.8	-.2	.7	3.4	103	14.5	93	94	46	0	0	2	1
SYRACUSE	83	60	90	53	71	2	.3	-.6	.3	3.1	71	14.3	74	91	43	1	0	2	0
NC ASHEVILLE	76	59	82	51	67	-5	1.7	.7	.8	2.8	56	15.7	62	99	62	0	0	5	1
CHARLOTTE	82	64	87	60	73	-5	1.0	.2	.9	6.4	150	23.3	99	99	59	0	0	4	1
GREENSBORO	79	63	89	61	71	-5	.3	-.6	.2	2.5	54	16.7	76	97	59	0	0	4	0
HATTERAS	83	73	86	66	78	1	3.3	2.2	2.6	4.6	89	21.3	84	95	74	0	0	2	2
NEW BERN	89	72	93	70	80	2	2.3	.8	1.0	3.2	50	17.2	68	88	52	3	0	4	2
RALEIGH	81	66	89	61	73	-4	1.7	.8	.9	4.2	94	19.0	88	89	56	0	0	4	1
WILMINGTON	88	73	91	71	81	2	2.8	1.3	1.6	5.7	81	17.9	71	93	55	4	0	4	3
ND BISMARCK	89	55	98	50	72	3	T	-.6	T	1.8	52	8.8	99	83	29	4	0	0	0
FARGO	85	56	94	50	70	1	.1	-.6	.1	1.6	42	8.9	92	91	40	2	0	1	0
GRAND FORKS	85	55	96	49	70	2	T	-.7	T	1.7	47	8.6	98	79	35	1	0	1	0
WILLISTON	92	57	101	46	74	6	0	-.5	0	1.1	36	5.1	65	64	19	4	0	0	0
OH AKRON-CANTON	78	59	83	54	69	-2	1.2	.3	.6	3.9	97	19.6	103	96	57	0	0	4	1
CINCINNATI	82	65	86	63	73	-1	1.2	.2	.9	5.8	116	24.1	109	89	52	0	0	3	1
CLEVELAND	78	59	86	53	69	-2	.1	-.7	.1	3.0	72	17.2	93	82	47	0	0	2	0
COLUMBUS	81	62	85	60	71	-2	1.4	.4	.9	2.8	57	15.1	75	91	50	0	0	4	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending July 6, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE June 1	PCT. NORMAL SINCE June 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	81	62	84	57	71	-3	.6	-.2	.6	2.7	60	17.5	90	82	42	0	0	2	1
TOLEDO	82	61	89	56	71	0	.6	-.2	.6	3.5	85	17.7	107	93	52	0	0	2	1
YOUNGSTOWN	78	57	84	50	67	-2	.4	-.5	.2	3.3	77	15.9	82	85	48	0	0	3	0
OK OKLAHOMA CITY	88	66	92	63	77	-4	T	-.8	T	8.4	184	26.4	153	73	42	2	0	0	0
TULSA	89	67	92	64	78	-4	.1	-.9	.1	7.7	144	29.8	143	87	37	5	0	1	0
OR ASTORIA	70	49	77	40	59	0	0	-.3	0	3.1	114	19.7	54	97	54	0	0	0	0
BURNS	88	42	91	34	65	-2	0	-.1	0	.1	13	3.4	100	---	---	2	2	0	0
MEDFORD	93	52	99	44	73	2	0	-.1	0	.4	51	4.8	46	73	15	6	0	0	0
PENDLETON	91	58	97	47	74	3	0	-.1	0	.8	99	4.4	66	47	15	5	0	0	0
PORTLAND	85	58	91	53	71	5	0	-.2	0	2.3	146	9.8	50	79	28	1	0	0	0
SALEM	84	49	89	44	67	2	0	-.1	0	2.4	183	11.4	53	89	26	0	0	0	0
PA ALLENTOWN	81	62	85	58	72	-1	1.4	-.5	1.1	6.2	149	17.0	77	95	53	0	0	3	1
ERIE	79	61	86	56	70	2	1.1	-.3	.5	4.3	99	19.3	103	89	55	0	0	3	0
HARRISBURG	81	63	88	49	72	-3	.3	-.5	-.2	3.1	72	17.3	85	96	59	0	0	4	0
PHILADELPHIA	83	63	88	57	73	-2	.1	-.8	.1	2.0	42	13.4	63	93	50	0	0	1	0
PITTSBURGH	78	59	84	57	69	-3	1.2	.4	.6	3.4	85	17.1	87	92	56	0	0	4	1
SCRANTON	79	58	84	53	69	-2	.7	0	.4	3.6	88	16.1	94	95	51	0	0	3	0
RI PROVIDENCE	80	60	85	55	70	-1	.2	-.4	.2	4.9	148	17.5	77	98	55	0	0	2	0
SC CHARLESTON	88	70	92	69	79	-1	.7	-1.0	.3	7.7	97	16.7	64	96	51	1	0	4	0
COLUMBIA	88	67	93	64	77	-3	2.5	1.4	1.7	6.4	118	21.8	83	99	50	2	0	5	1
FLORENCE	85	68	91	66	77	-3	1.0	-.2	1.0	3.8	67	14.5	63	97	54	1	0	1	1
GREENVILLE	82	63	86	57	72	-5	1.1	.1	.5	3.9	69	18.0	63	99	56	0	0	4	0
SD ABERDEEN	85	55	94	50	70	0	.5	-.2	.5	2.3	60	7.9	76	91	38	2	0	1	0
HURON	87	54	97	50	71	-2	T	-.6	T	2.4	61	10.3	94	94	34	2	0	0	0
RAPID CITY	92	57	101	52	74	4	.1	-.5	.1	1.6	42	5.2	50	61	18	4	0	2	0
SIoux FALLS	86	57	95	52	71	-1	T	-.7	T	2.6	60	13.9	108	86	36	2	0	1	0
TN CHATTANOOGA	83	63	89	58	73	-5	.9	-.1	.3	3.1	75	20.9	72	98	54	0	0	5	0
KNOXVILLE	82	61	86	57	71	-6	.9	-.1	.3	5.5	113	19.3	72	95	58	0	0	5	0
MEMPHIS	87	68	89	66	78	-4	.4	-.5	.2	5.0	114	26.5	90	89	49	0	0	3	0
NASHVILLE	87	64	91	61	75	-3	.3	-.6	.2	1.6	36	16.2	59	91	41	2	0	2	0
TX ABILENE	93	67	98	63	80	-3	0	-.5	0	1.8	60	11.6	100	69	26	5	0	0	0
AMARILLO	95	63	101	59	79	1	T	-.7	T	3.1	75	10.0	101	64	19	6	0	0	0
AUSTIN	88	69	93	67	79	-5	1.3	.8	.8	7.0	200	16.3	98	89	50	4	0	3	1
BEAUMONT	88	69	93	64	79	-5	1.0	-.1	.8	4.2	86	25.5	105	100	53	4	0	3	1
BROWNSVILLE	88	70	90	63	79	-5	4.1	3.6	3.7	10.6	343	19.1	189	96	58	2	0	2	1
CORPUS CHRISTI	88	70	90	63	79	-5	1.0	-.5	.6	5.0	131	18.8	146	89	51	1	0	2	1
DEL RIO	89	67	93	62	78	-8	1.0	-.6	.7	6.1	295	13.3	166	81	37	4	0	2	1
EL PASO	99	65	103	61	82	-1	T	-.3	T	.1	15	1.9	79	43	13	7	0	0	0
FORT WORTH	94	70	97	66	82	-3	T	-.5	T	3.8	126	16.8	99	78	31	7	0	1	0
GALVESTON	84	73	88	69	78	-5	2.7	1.8	1.2	6.1	145	23.2	133	87	62	0	0	3	3
HOUSTON	87	67	93	61	77	-6	.4	-.4	.4	5.7	120	23.6	104	95	56	4	0	2	0
LUBBOCK	93	65	100	63	79	-1	.7	-.1	.5	5.2	156	10.4	118	77	26	5	0	3	0
MIDLAND	96	65	102	63	80	-1	.5	-.1	.3	2.7	156	6.0	98	74	18	6	0	3	0
SAN ANGELO	92	62	97	59	77	-7	T	-.3	T	3.6	167	11.5	132	86	29	6	0	0	0
SAN ANTONIO	88	66	91	60	77	-7	5.6	5.1	4.5	13.6	395	26.8	184	91	47	4	0	2	2
VICTORIA	89	70	93	67	80	-4	.8	0	.4	7.8	150	28.3	160	96	51	4	0	2	0
WACO	94	68	100	63	81	-4	T	-.4	T	5.7	193	15.9	92	85	36	6	0	1	0
WICHITA FALLS	92	66	95	64	79	-6	T	-.5	T	7.0	214	22.3	155	83	34	6	0	0	0
UT BLANDING	94	57	100	49	76	4	0	-.2	0	.1	28	5.9	123	38	12	6	0	0	0
CEDAR CITY	99	58	104	51	79	7	0	-.2	0	.3	41	5.1	104	31	11	7	0	0	0
SALT LAKE CITY	99	66	102	63	82	7	T	-.2	T	1.3	118	8.5	92	51	14	7	0	0	0
VT BURLINGTON	82	60	87	54	71	2	.4	-.4	.4	4.2	96	14.7	93	92	48	0	0	3	0
VA NORFOLK	83	67	92	62	75	-3	1.4	-.4	.8	8.1	188	21.3	98	90	58	1	0	4	1
RICHMOND	86	66	94	63	76	-1	.9	-.1	.5	5.1	113	16.7	80	90	53	3	0	4	1
ROANOKE	79	63	87	61	71	-4	1.1	-.3	.4	3.0	76	19.6	97	87	57	0	0	4	0
WA COLVILLE	91	55	97	50	73	7	0	-.2	0	1.5	89	6.2	67	51	17	4	0	0	0
QUILLAYUTE	81	45	80	39	58	1	.1	-.4	.1	2.5	70	27.8	52	98	45	0	0	2	0
SEATTLE-TACOMA	78	54	89	49	66	2	0	-.2	0	2.9	185	10.8	56	76	33	0	0	0	0
SPOKANE	90	56	96	48	73	6	0	-.2	0	.7	49	4.8	52	58	13	5	0	0	0
YAKIMA	91	50	98	42	70	2	0	-.1	0	.4	56	2.2	49	75	18	4	0	0	0
WV BECKLEY	73	58	77	55	65	-4	1.1	-.1	.5	5.2	111	19.7	86	94	65	0	0	4	0
CHARLESTON	81	64	87	60	72	-1	1.2	-.2	.5	4.0	95	21.3	97	87	56	0	0	4	2
HUNTINGTON	80	64	85	60	72	-2	.3	-.6	.2	3.4	77	19.0	86	96	58	0	0	5	0
PARKERSBURG	80	62	86	57	71	-2	.8	-.3	.3	2.0	37	16.1	68	97	56	0	0	4	0
GREEN BAY	80	57	85	55	69	0	1.8	1.0	1.3	4.0	105	15.0	109	88	47	0	0	4	1
LA CROSSE	84	60	89	56	72	0	T	-.9	T	2.9	58	11.6	75	86	41	0	0	1	0
MADISON	81	57	88	53	69	-1	.4	-.5	.3	3.5	75	14.8	96	92	52	0	0	3	0
MILWAUKEE	84	61	92	56	72	3	.9	0	.6	2.1	49	15.1	95	93	46	1	0	3	1
WAUSAU	79	57	83	55	68	0	.6	-.3	.3	3.6	76	12.4	82	93	48	0	0	4	0
WY CASPER	92	53	96	49	72	4	.1	-.2	.1	1.4	93	5.9	82	61	13	5	0	1	0
CHEYENNE	88	54	95	50	71	4	T	-.4	T	1.5	65	4.8	62	64	17	2	0	0	0
LANDER	92	62	96	58	77	9	T	-.2	T	1.7	104	4.5	52	42	14	5	0	0	0
SHERIDAN	95	56	99	50	75	8	.1	-.3	.1	1.8	72	5.9	62	67	16	6	0	1	0
PR SAN JUAN	90	78	92	76	84	2	.1	-1.0	0	.3	6	14.2	64	85	60	5	0	2	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 7- 6-1985
ACCUMULATIONS ARE FROM JANUARY 1
\*\* = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL, WEEK TOTAL, WEEK FROM, WEEK FROM, CUM TOTAL, CUM FROM, CUM FROM, CUM FROM, CUM FROM. It lists weather data for various cities across the United States, including Birmingham, Phoenix, Los Angeles, New York, and many others.

## JUNE WEATHER SUMMARY

**HIGHLIGHTS:** Thunderstorms rumbled through the Plains and the Southeast almost daily and less frequently through the rest of the East. Early in the month light rain fell in central California and Nevada while heavy snow covered the Sierras and very beneficial moderate rain covered most of the Northwest. However, inadequate moisture left most of the Northwest dryer than normal. Thunderstorms accumulated normal or above normal rain in most of the southern Plains, the lower Missouri Valley, the middle Mississippi Valley, the Ohio Valley, and parts of the east coast States. However, many parts of the East and Southeast needed more rain. Most of the northern Plains and the Great Lakes region had below normal rain but the upper Mississippi Valley and western Lakes region had adequate rain. Hot weather dominated the West and many warm days kept the Southeast temperature normal or slightly above normal, but most of the Plains and the Northeast was cooler than normal.

High temperatures reached into the nineties on the first day of the month, and thunderstorms triggered heavy rain in Missouri.

**FIRST WEEK...**Violent thunderstorms developed along and south of a quasi-stationary front from central Texas through Oklahoma and eastern Kansas to the central Mississippi Valley. Less violent storms occurred along and south of the front as it meandered through the Ohio and Tennessee Valleys, the mid-Atlantic States, and into the Southeast. Early in the week, a Pacific storm brought light rain to central California and Nevada, and heavy snow to the high elevations of the Sierras. Later, moderate rain fell in the Northwest. Temperatures were abnormally hot almost every-day in the Southeast. High temperatures rose to above 100 degrees and established many all time high-temperature records. Freezing weather pushed into the northern Plains early in the week. However, by weeks' end, hot weather covered the Plains.

**SECOND WEEK...**Showers and thunderstorms covered nearly all of the Nation east of the Rockies, but little or no rain fell in the West. Showers were light in most of the High Plains, but further east moderate showers were beneficial. Heavy showers accompanied damaging weather from western Oklahoma and southern Kansas northeastward to the lower Great Lakes region and the St. Lawrence Valley. Isolated heavy thunderstorms brought some damaging weather to parts of southern Texas. Some showers fell in most of the East Coast States but were very light in most areas. Temperatures were much cooler than normal in most of the East but averaged near normal along the Gulf and Atlantic Coasts. Temperatures were 4-7 degrees cooler than normal from west-central Texas to the upper Mississippi Valley and Great Lakes region. Well-above normal temperatures in the Southwest rose to over 100 degrees.

**THIRD WEEK...**The pattern of precipitation in the East and West was similar to that of the previous week. Tornadoes, hail, high winds, and heavy rain accompanied many of the thunderstorms. Heavy downpours caused local flooding in southeastern Texas, southern Arkansas, the lower Missouri Valley, and in isolated parts of the Southeast. Although showers fell almost everywhere in the East, some parts of the Midwest and Southeast remained very dry. Temperatures were cooler than normal in most of the East and much warmer than normal in the West.

**FOURTH WEEK...**Showers and thunderstorms spread through the Plains, the central Rockies, and the Southeast. A storm system moved southward along the northeastern coast and caused light-to-moderate

showers and a few thunderstorms from New England to eastern Virginia. Damaging weather accompanied the storms in the Plains and the Southeast, but storms were most violent from Nebraska through Minnesota, and into Wisconsin. Tornadoes struck across the South from Texas to Florida. In spite of the widespread thunderstorms, some parts of the east central Plains had little or no rain. Most of the Nation had cooler than normal temperatures.

## JUNE CROP PROGRESS

Hot, dry weather spread over the Corn Belt, the Delta, and throughout the Southeast the first week of June. Planting and crop development slowed in these areas as a result. Rains provided ample moisture the rest of the month, but most of the west coast, northern Mountain States and portions of the Southeast remained dry virtually all month.

Corn planting was virtually complete by June 9th. A few fields remained to be planted in Colorado, Kentucky, Minnesota, Pennsylvania, and Wisconsin. By month's end, 4 percent of the corn in 16 of the 17 major producing States was silking, which was about normal. Corn was silking as far north as Illinois and tasseling in Iowa. Most of the crop was good. Crop development was much further along in the Southeast, with harvest expected to start in Florida in about two weeks. In Georgia, corn was 96 percent silked, 79 percent dough, 33 percent dent, and 4 percent mature. The last week of June, moisture shortages began developing along the east coast as corn started the critical pollination stage.

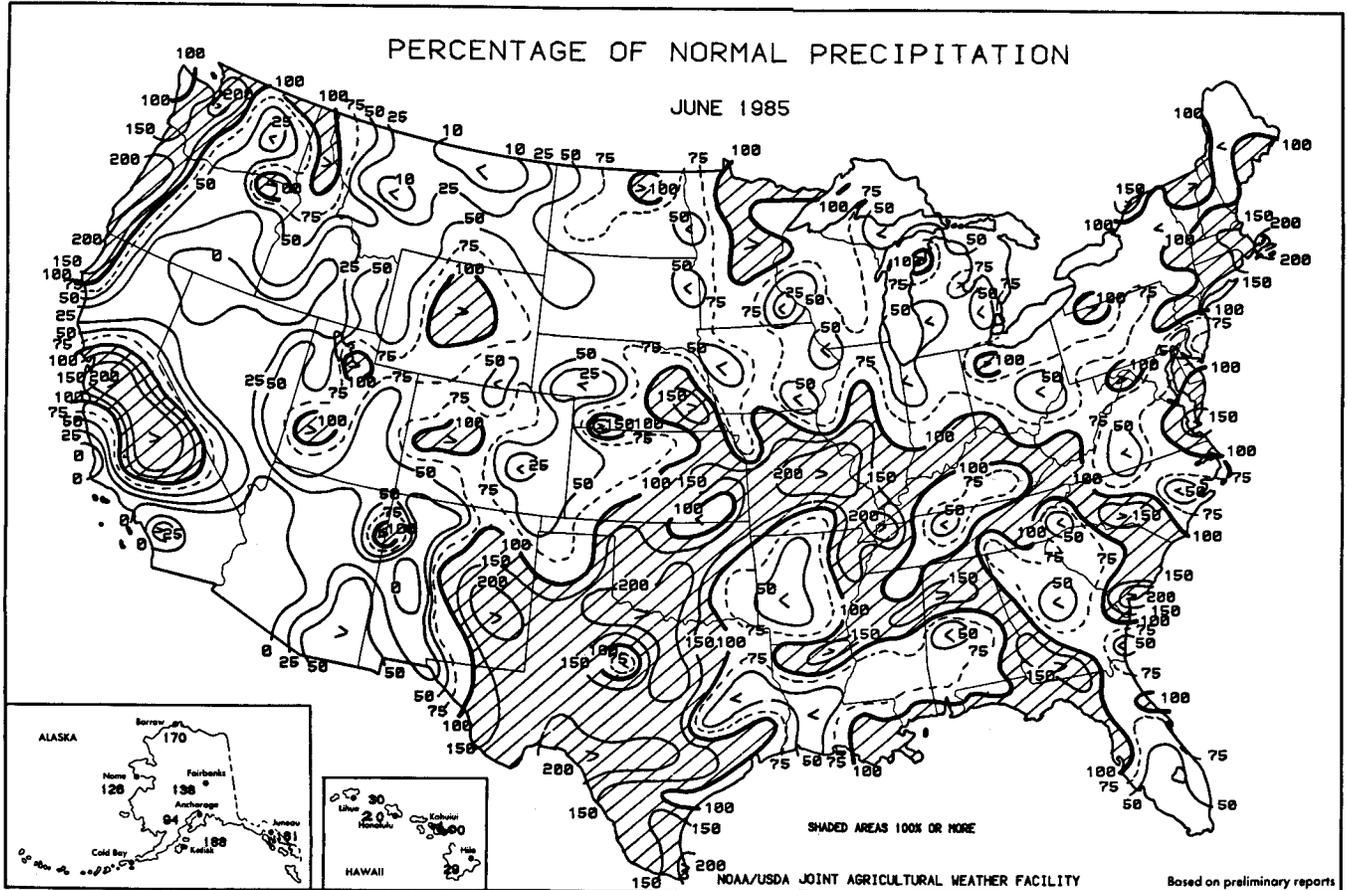
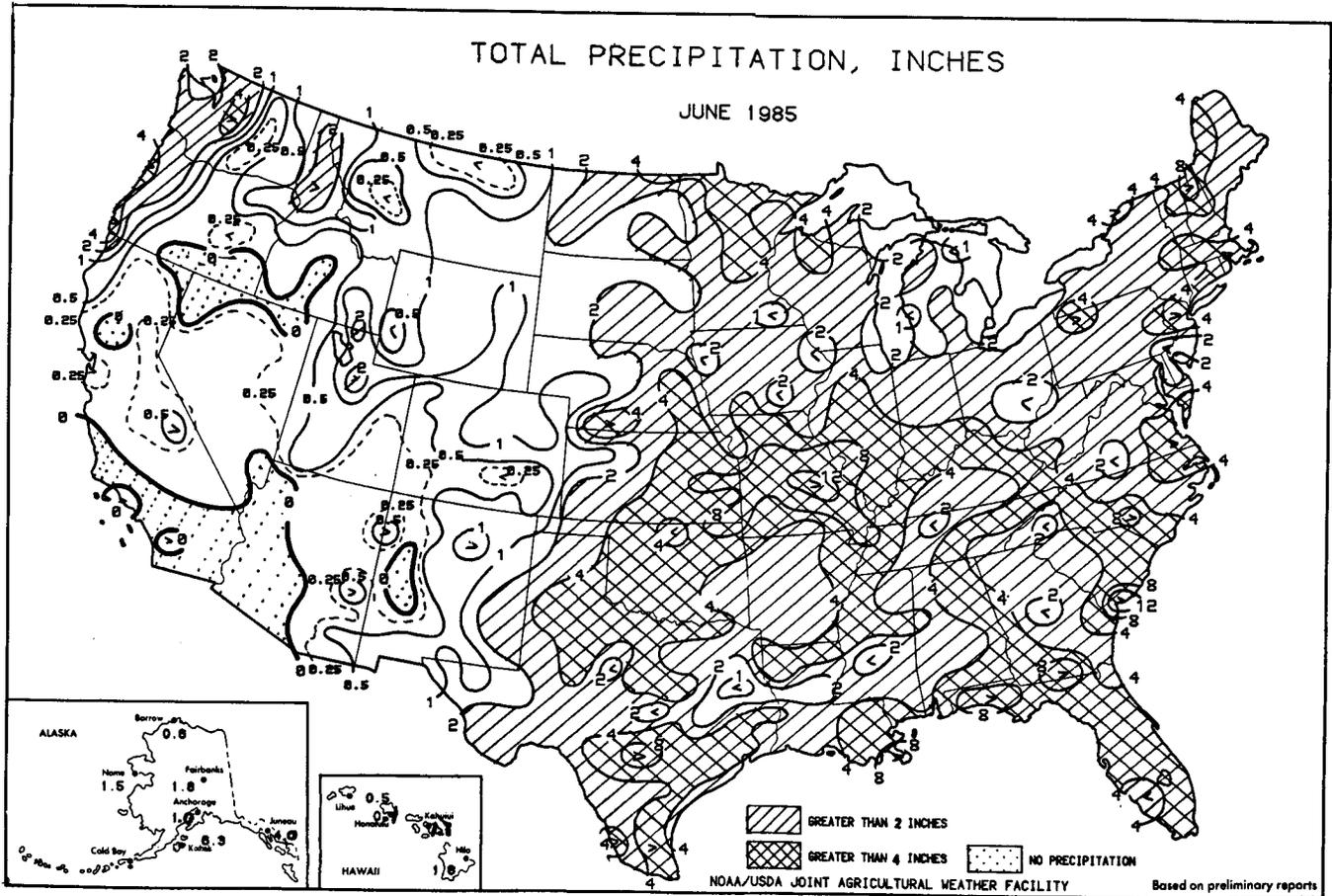
Soybean planting approached completion in nearly all 19 major producing States, except Kansas and Kentucky. Plants were blooming in South Dakota, but most of the activity was centered in the southern States as June ended.

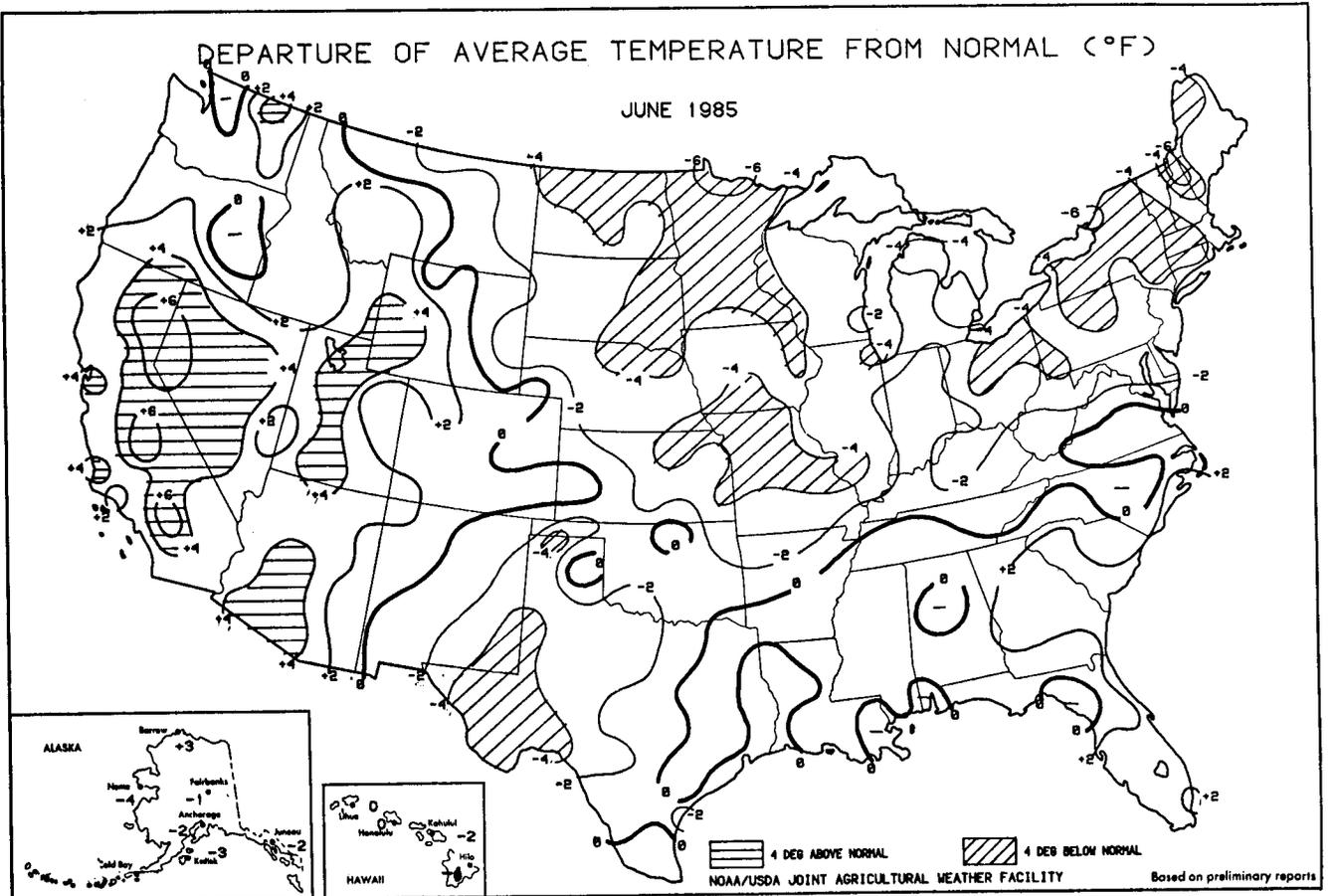
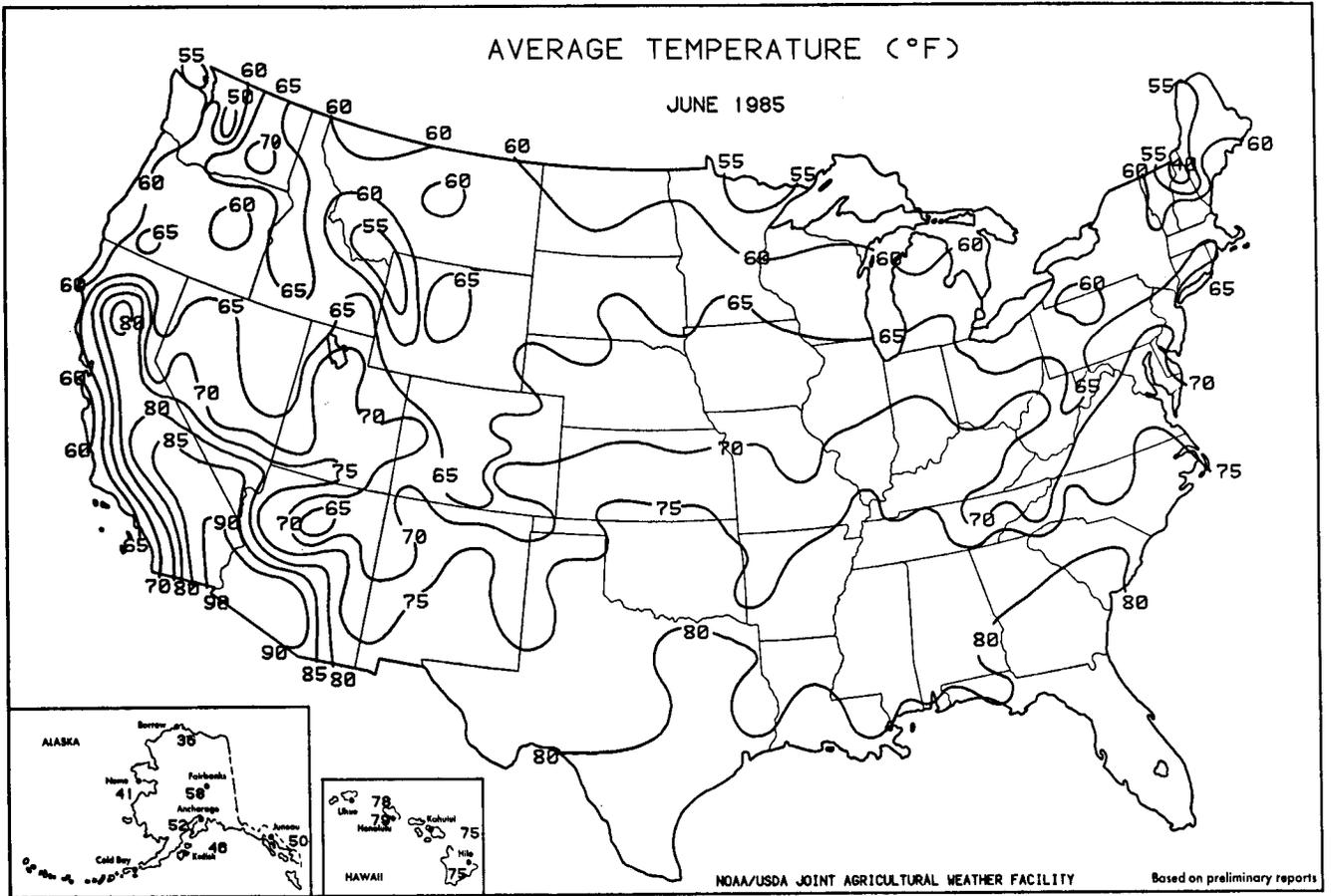
Cotton planting was 93 percent finished on June 9th. Eleven of the 14 major producing States had completed planting by that date. The month closed with cotton 46 percent squared, 1 point ahead of normal. Squaring was 15 points behind normal in Texas, but 26 points ahead of normal in Alabama. Bolls were present on 15 percent of the acreage compared with 12 percent normally and 9 percent last year. Cotton was mostly good. Heavy rain washed out cotton in Texas and Oklahoma causing replanting in both States. Some of the acreage in Texas was replanted to other crops.

Sorghum planting was 95 percent complete at the end of June, 2 points ahead of the 5-year average. On June 9th only 77 percent was seeded. Sorghum was 18 percent headed in 6 of the 7 major producing States on June 30. Fifty-six percent of the sorghum was headed in Texas, equaling last year but 4 points behind normal. About 10 percent of the Texas sorghum was mature with 1 percent harvested for grain. Harvest was underway in the Rio Grande Valley and at Coastal Bend.

Rice was 9 percent headed at the end of June compared with 13 percent at this time last year and 14 percent normally. Heading was 8 points ahead of normal in Louisiana but 42 points behind the average in Texas.

June ended with winter wheat 50 percent harvested, 17 points ahead of last year and 19 points above average. Harvest neared completion in the Southeast, through the Delta and in Oklahoma. Harvest was considerably ahead of normal in the northeast coast States. In Kansas, harvest was 75 percent finished, three times faster than in 1984 and the 5-year average. Missouri and Illinois were 42 and 45 percent combined, respectively. Spring wheat was 52 percent headed compared with 34 percent last year and the 40 percent average. Heading was nearly complete in South Dakota. Dryness hampered the growth and development of wheat and other small grains in the northwestern Mountain States the entire month.





Temperature and Precipitation Data for June 1985

States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	77	0	6.4	2.8	BATON ROUGE	80	0	4.0	0.9	COLUMBUS	67	-4	1.4	-2.6
MOBILE	80	-1	3.9	-1.1	LAKE CHARLES	81	1	1.5	-2.7	DAYTON	67	-4	2.1	-1.7
MONTGOMERY	79	0	2.1	-1.3	NEW ORLEANS	79	-1	4.6	-0.1	TOLEDO	65	-3	2.9	-0.6
AK ANCHORAGE	52	-2	1.0	-0.1	SHREVEPORT	79	-1	4.6	1.0	YOUNGSTOWN	62	-4	2.9	-0.7
BARROW	36	3	0.6	0.3	ME CARIBOU	59	-2	2.9	-0.3	OK OKLAHOMA CITY	76	-1	8.4	4.5
FAIRBANKS	58	-1	1.8	0.5	PORTLAND	62	-1	2.7	-0.3	TULSA	76	-2	7.7	3.1
JUNEAU	50	-2	4.1	1.1	MD BALTIMORE	70	-2	2.4	-1.3	OR ASTORIA	57	0	3.1	0.7
KODIAK	46	-3	6.3	3.0	MA BOSTON	65	-3	4.0	1.1	BURNS	59	-2	0.1	-0.7
NOME	41	-4	1.5	0.3	MI ALPENA	62	0	6.8	4.1	MEDFORD	68	3	0.4	-0.3
AZ FLAGSTAFF	63	4	0.1	-0.5	DETROIT	63	-5	1.6	-1.8	PENDLETON	66	-1	0.8	0.1
PHOENIX	92	6	0.0	-0.2	FLINT	62	-4	1.5	-1.7	PORTLAND	65	2	2.3	0.9
PRESCOTT	72	5	0.0	-0.5	GRAND RAPIDS	64	-3	1.7	-2.2	PA SALEM	61	1	2.4	1.2
TUCSON	86	3	0.1	-0.1	HOUGHTON LAKE	60	-3	1.7	-1.3	ALLENTOWN	67	-2	5.1	1.6
WINSLOW	74	2	T	-0.4	LANSING	63	-4	2.2	-1.4	ERIE	63	-1	3.5	-0.2
YUMA	91	4	0.0	0.0	MARQUETTE	56	-3	1.5	-2.4	HARRISBURG	69	-2	3.1	-0.5
AR FORT SMITH	76	-1	2.8	-0.9	MUSKEGON	62	-3	1.0	-1.5	PHILADELPHIA	69	-3	1.9	-2.0
LITTLE ROCK	78	-1	2.5	-0.7	SAULT STE. MARI	55	-4	1.6	-1.6	PITTSBURGH	64	-4	2.2	-1.1
CA BAKERSFIELD	81	2	0.4	0.4	MN ALEXANDRIA	61	-4	3.0	-1.0	RI PROVIDENCE	64	-4	2.9	-0.6
EUREKA	57	2	0.9	0.3	DULUTH	57	-3	3.2	-0.7	SC CHARLESTON	65	-2	4.7	1.9
FRESNO	82	7	0.3	0.3	INT'L FALLS	54	-7	6.2	2.5	COLUMBIA	79	1	7.1	0.6
LOS ANGELES	65	-1	0.0	0.0	MINNEAPOLIS	64	-4	2.2	-1.9	FLORENCE	78	1	3.8	-0.8
RED BLUFF	82	6	T	-0.4	ROCHESTER	63	-4	0.9	-3.2	GREENVILLE	77	2	2.9	-1.9
SACRAMENTO	75	4	0.2	0.0	ST CLOUD	61	-4	5.3	0.8	SD ABERDEEN	61	-5	1.8	-1.4
SAN DIEGO	69	3	T	-0.1	MS GREENWOOD	79	0	2.6	-0.8	HURON	63	-5	2.4	-1.0
SAN FRANCISCO	65	4	0.3	0.2	JACKSON	79	0	1.7	-1.2	RAPID CITY	62	-3	1.6	-1.7
(C) DENVER	68	1	1.5	-0.1	MERIDIAN	79	1	2.8	-0.7	STIOUX FALLS	64	-4	2.5	-1.2
GRAND JUNCTION	73	1	0.4	0.0	MO COLUMBIA	69	-4	10.3	6.5	TN CHATTANOOGA	75	0	2.2	-1.1
PUEBLO	71	0	0.1	-1.1	KANSAS CITY	69	-5	3.6	-1.1	KNOXVILLE	72	-2	4.8	0.8
(T) BRIDGEPORT	65	-3	5.4	2.6	SAINT LOUIS	72	-3	9.4	5.7	MEMPHIS	79	0	4.6	1.0
HARTFORD	63	-5	3.6	0.2	SPRINGFIELD	73	-1	7.2	2.5	ABILENE	76	0	1.4	-2.3
DC WASHINGTON	72	-2	2.1	-1.3	MT BILLINGS	64	0	1.1	-1.0	AMARILLO	78	-3	1.8	-0.8
FL APALACHICOLA	80	0	4.9	0.1	GLASGOW	61	-3	0.1	-2.4	AUSTIN	81	-1	5.6	2.6
DAYTONA BEACH	82	2	6.8	0.6	GREAT FALLS	62	1	0.6	-2.2	BEAUMONT	80	-1	3.2	-0.8
FORT MYERS	84	3	3.8	-4.9	HAVRE	60	-2	0.2	-2.0	BROWNSVILLE	83	0	6.5	3.8
JACKSONVILLE	81	2	3.7	-1.6	HELENA	63	3	0.1	-1.9	CORPUS CHRISTI	80	-3	4.0	0.6
KEY WEST	85	2	0.6	-4.5	KALISPELL	57	-1	1.6	-0.7	DEL RIO	80	-3	3.9	2.2
MIAMI	82	1	6.3	-2.9	MILES CITY	64	-2	1.1	-1.5	EL PASO	79	-2	0.1	-0.4
ORLANDO	82	1	4.5	-2.9	MISSOULA	62	2	0.4	-1.5	FORT WORTH	80	-2	3.8	1.2
TALLAHASSEE	80	1	7.5	1.0	NE GRAND ISLAND	69	-3	4.0	0.3	GALVESTON	80	-1	3.4	-0.1
TAMPA	84	3	6.5	1.2	LINCOLN	69	-3	6.2	2.3	HOUSTON	81	0	5.3	1.2
WEST PALM BEACH	82	2	4.8	-3.1	NORFOLK	67	-3	4.5	0.2	LUBBOCK	75	-2	4.5	1.7
GA ATLANTA	77	2	2.0	-1.4	NORTH PLATTE	65	-3	0.9	-2.9	MIDLAND	77	-3	2.2	0.8
AUGUSTA	80	3	2.9	-1.0	OMAHA	68	-3	2.5	-1.7	SAN ANGELO	77	-4	3.6	1.7
MACON	81	2	1.4	-2.5	SCOTTSDBLUFF	66	-1	1.8	-1.2	SAN ANTONIO	80	-2	8.2	5.2
SAVANNAH	81	3	6.7	1.0	VALENTINE	65	4	2.1	-0.9	VICTORIA	82	0	7.0	2.5
HI HILO	75	-1	1.8	-4.4	ELY	63	4	0.4	-0.4	WACO	82	0	5.6	3.0
HONOLULU	79	0	0.1	-0.4	LAS VEGAS	87	4	T	-0.1	WICHITA FALLS	78	-3	7.0	4.1
KAHULUI	75	-2	1.8	1.5	RENO	69	6	0.1	-0.2	UT BLANDING	69	2	0.1	-0.2
LIHUE	78	0	0.5	-1.2	WINNEMUCA	68	5	T	-0.9	CEDAR CITY	70	3	0.3	-0.2
ID BOISE	67	1	0.4	-0.6	NH CONCORD	62	-3	3.1	0.1	MILFORD	68	2	0.5	0.1
LEWISTON	67	1	0.9	-0.5	NJ ATLANTIC CITY	70	1	1.6	-1.2	VT BURLINGTON	62	-3	4.3	0.4
POCATELLO	64	-2	1.0	-0.1	NM ALBUQUERQUE	74	0	0.5	0.0	VA NORFOLK	74	0	3.7	0.1
IL CAIRO	77	-1	6.7	2.3	CLOVIS	71	-3	2.9	0.4	RICHMOND	74	0	6.8	3.3
CHICAGO	64	-5	2.0	-2.1	ROSWELL	76	-3	2.6	1.7	ROANOKE	74	0	4.0	0.4
MOLINE	69	-2	2.3	-2.1	NY ALBANY	62	-5	4.1	0.8	COLVILLE	72	1	2.1	-1.2
PEORIA	69	-3	5.1	1.2	BINGHAMTON	61	-3	2.8	-0.8	WA QUILLAYUTE	63	1	1.5	0.0
QUINCY	69	-3	2.6	-1.4	BUFFALO	62	-4	3.2	0.5	SEATTLE-TACOMA	60	0	2.9	1.5
ROCKFORD	66	-3	3.4	-1.1	NEW YORK	69	-2	4.4	1.2	SPOKANE	62	0	0.7	-0.6
SPRINGFIELD	70	-3	5.8	2.1	ROCHESTER	62	-5	2.6	-0.2	WALLA WALLA	69	1	0.9	0.0
IN EVANSVILLE	74	-1	4.7	1.2	SYRACUSE	62	-5	2.8	-0.8	YAKIMA	65	0	0.4	-0.2
FORT WAYNE	69	-1	2.6	-1.1	ASHEVILLE	70	0	1.6	-2.6	WV BECKLEY	65	-1	4.1	0.3
INDIANAPOLIS	70	-1	3.1	-0.9	CHARLOTTE	76	1	5.5	1.9	CHARLESTON	71	0	3.0	-0.3
SOUTH BEND	67	-2	2.9	-1.1	GREENSBORO	73	-1	2.3	-1.7	HUNTINGTON	70	-2	3.1	-0.5
IA DES MOINES	68	-3	3.7	-0.5	HATTERAS	75	1	3.8	-0.4	PARKERSBURG	69	-1	1.2	-3.3
DUBUQUE	66	-2	1.1	-3.1	NEW BERN	79	3	2.0	-3.2	GREEN BAY	62	-2	2.3	-0.9
STIOUX CITY	68	-3	1.2	-2.8	RALEIGH	74	0	2.9	-0.8	LA CROSSE	65	-4	2.8	-1.3
WATERLOO	66	-3	2.7	-1.6	WILMINGTON	79	2	4.5	-1.2	MADISON	64	-3	3.1	-0.8
KS CONCORDIA	70	-4	3.2	-1.1	ND BISMARCK	59	-5	1.8	-1.2	MILWAUKEE	64	-1	1.3	-2.3
DODGE CITY	74	-1	2.9	-0.1	FARGO	60	-5	1.4	-1.6	WAUSAU	63	-2	3.0	-1.0
GOODLAND	69	-1	0.7	-2.0	GRAND FORKS	60	-4	1.6	-1.3	CASPER	61	-1	1.3	0.1
TOPEKA	72	-2	5.1	0.0	WILLISTON	59	-5	1.1	-1.6	CHEYENNE	61	-1	1.5	-0.5
WICHITA	74	-2	4.8	0.7	OH AKRON-CANTON	63	-5	2.7	-0.6	LANDER	66	4	1.7	0.3
KY BOWLING GREEN	72	-2	2.5	-2.0	CINCINNATI	70	-2	4.6	0.5	SHERIDAN	62	0	1.7	-0.5
JACKSON	70	-1	4.2	0.4	CLEVELAND	63	-5	2.9	-0.6	PR SAN JUAN	83	1	0.3	-4.4
LEXINGTON	70	-2	5.0	0.7										
LOUISVILLE	72	-2	4.4	0.8										
PADUCAH	73	-2	4.9	0.4										
LA ALEXANDRIA	80	-2	1.5	-2.4										

Based on 1951-80 normals.

## National Agricultural Summary

JULY 1 to 7, 1985

**HIGHLIGHTS:** Scattered rain across the eastern half of the Nation provided additional moisture, but cooler than normal temperatures slowed crop development. The dry conditions continued along the east coast from Delaware to South Carolina. Dryness showed in the upper Corn Belt into the Northern Great Plains. Even with the dryness, crops remained in fairly good condition in these areas. Soil moisture was generally adequate, except for the western half of the Nation. Farmers had 5-6 days suitable for fieldwork across the Nation.

Wheat harvest advanced 15 points from last week to 65% harvested, 18 points ahead of normal. Spring wheat was 78% headed compared with 65% in 1984 and the 64% average. Corn was mostly good, and silking was 11% finished in 16 of the 17 major producing States. Soybean planting wound down with a few fields remaining to be planted following wheat harvest, mostly in the Southeast. Soybeans were blooming at the normal pace. Sorghum was 20% headed, equaling the average and 1 point ahead of 1984. Cotton was 52% squared, 10 and 8 points behind last year and the average, respectively. Bolls were present on 22% of the crop. Tobacco harvest moved into the Carolinas and continued in Georgia and Florida. Rice was 13% headed compared with 18% in 1984 and the 19% average. Pastures were mostly fair but continued declining where moisture shortages existed.

**SMALL GRAINS:** Sunny, warm weather allowed farmers to push wheat harvest forward 15 points from last week to 65% harvested in the 18 major producing States. Normally, less than half of the wheat is harvested by this time, and 50% was harvested last year. Illinois and Indiana producers harvested almost one-third of their crop during the week. Nearly one-half of Missouri's wheat was harvested last week. Wheat harvest was underway in all States except Idaho, Montana, and Washington. Wheat was virtually harvested in the Southeast.

Spring wheat was 78% headed, 14 points ahead of the 5-year average and 13 points quicker than last year. Progress ranged from 55% headed in Montana to completely headed in South Dakota.

**CORN:** Corn was mostly good across the Nation. Silking was 11% finished in 16 of the 17 major producing States. The corn crop began silking in Iowa and Wisconsin. Georgia's corn was 50% dented compared with 40% normally. Harvest is expected to begin in Florida in about 2 weeks.

**SOYBEANS:** Soybean planting was limited mostly to the southeast with a few fields remaining to be planted following wheat. The crop rated mostly good. In a few States, crop condition rated good to excellent. Blooms were present on 11% of the crop in 18 of the 19 major producing States, slightly ahead of normal. Fields were in bloom in all States except North Carolina. Illinois leads the way with one-fifth of the crop blooming. Soybeans began setting pods in Georgia and Illinois.

**SORGHUM:** Sorghum was 20% headed, equaling the average and 1 point ahead of 1984. Sixty-one percent of the crop was headed in Texas, but none was headed in Nebraska, Kansas, and South Dakota. Sorghum was 5% harvested in Texas with early yields good.

**COTTON:** Cotton squared at 52%, compared with 62% last year and 60% normally. Squaring equaled or exceeded last year on the average in all States except Texas. Squaring lagged 28 points behind normal in Texas. Cotton setting bolls progressed 7 points from the previous week to 22% finished, which was slightly ahead of normal. Bolls were yet to be formed on Oklahoma cotton.

**OTHER CROPS:** Tobacco harvest crept northward into the Carolinas. Tobacco was 2, 4, and 29% harvested, respectively in North Carolina, South Carolina, and Georgia. Blue mold was located in Ohio, but damage has been minimal thus far. Black shank, manganese toxicity, and angular leaf spot concerned tobacco growers in Kentucky.

Rice was in mostly good condition. Heading reached 13% completion, 6 points behind normal. Only 26% of the rice was headed in Texas, normally 70% would be headed by now. The first Texas rice fields were drained in preparation for harvest.

Southeastern peanuts rated mostly good. Planting was finished in Texas. Peanuts were 63 and 66% pegged, respectively in Alabama and Georgia.

**FRUIT AND NUTS:** Georgia peach harvest was nearly three-fourths finished. Fifty-eight percent of the peach crop had been removed from trees in South Carolina. Mid- and late-season peaches were harvested in Texas and Clingstone harvest got underway in California. Peach harvest continued in New Jersey but was light. Tart and sweet cherries were actively harvested in Michigan and tart cherry harvest began in New York. Apple harvest began along the east coast from New Jersey to Georgia. Florida's citrus groves prospered from additional moisture, producing abundant new growth and some late bloom, and the new crop fruit sized well. The excessive heat caused minor problems in some California orchards as fruit droppage slightly increased.

**VEGETABLES:** Harvest of summer vegetables declined seasonally across the south but increased in the northern producing areas. Florida and Texas vegetable producers began land preparation for fall crops. Cauliflower, celery, broccoli, and lettuce were harvested in California. Watermelon harvest was suspended in California because of pesticide contamination. Arizona watermelons were certified free of pesticide.

**PASTURES AND LIVESTOCK:** Fire danger was extremely high on California ranges. Range and pastures continued drying-out in the western half of the Nation. Livestock condition was mostly good, but stockwater supplies was short in some western States.

**CROP PROGRESS**

FOR WEEK ENDING JULY 7, 1985

	CORN % SILKING		
	1985	1984	AVG.
COLO	0	0	0
GA	98	91	92
ILL	20	1	10
IND	12	0	0
IOWA	1	0	0
KANS	15	3	5
KY	30	8	18
MICH	1	0	0
MINN	0	0	0
MO	27	0	5
NEBR	3	0	1
N C	86	49	57
OHIO	5	0	0
PA	0	0	0
S DAK	0	0	1
TEX	72	NA	NA
WIS	1	0	0
17 STATES	12	NA	NA
EXCL. STATES WITH NA	11	3	5

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

NA - NOT AVAILABLE

	COTTON % SQUARING		
	1985	1984	AVG.
ALA	96	83	74
ARIZ	98	97	93
ARK	92	81	80
CALIF	95	71	75
GA	95	85	90
LA	83	70	70
MISS	89	88	87
MO	82	66	68
N MEX	65	64	65
N C	85	49	58
OKLA	15	2	10
S C	96	91	90
TENN	70	80	70
TEX	17	49	45
14 STATES	52	62	60

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

	COTTON % SETTING BOLLS		
	1985	1984	AVG.
ALA	30	8	10
ARIZ	69	65	70
ARK	37	10	11
CALIF	35	29	25
GA	52	31	56
LA	40	10	18
MISS	15	8	14
MO	3	2	8
N MEX	35	35	31
N C	24	10	13
OKLA	0	0	0
S C	65	45	50
TENN	6	2	4
TEX	13	12	14
14 STATES	22	16	18

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

	SPRING WHEAT % HEADED		
	1985	1984	AVG.
IDAHO	67	64	67
MINN	88	84	80
MONT	55	65	55
N D	75	51	53
S DAK	100	81	88
5 STATES	78	65	64

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

	WINTER WHEAT % HARVESTED		
	1985	1984	AVG.
ARK	97	99	98
CALIF	85	96	87
COLO	21	1	4
GA	99	99	98
IDAHO	0	0	0
ILL	75	66	62
IND	67	30	32
KANS	95	65	55
MICH	1	0	2
MO	89	64	54
MONT	0	0	0
NEBR	40	4	15
OHIO	25	5	5
OKLA	99	97	90
OREG	2	0	1
S DAK	3	0	4
TEX	98	88	85
WASH	0	0	0
18 STATES	65	50	47

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

	SOYBEANS % BLOOMING		
	1985	1984	AVG.
ALA	10	10	12
ARK	10	0	0
GA	17	8	13
ILL	20	12	18
IND	12	10	10
IOWA	17	5	8
KANS	10	5	5
KY	7	2	5
LA	10	9	11
MICH	2	1	3
MINN	6	2	6
MISS	7	3	NA
MO	11	0	3
NEBR	7	4	6
N C	0	0	0
OHIO	5	0	0
S C	2	0	0
S DAK	12	3	14
TENN	6	3	5
19 STATES	11	5	NA
EXCL. STATES WITH NA	11	5	8

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

	SORGHUM % HEADED		
	1985	1984	AVG.
ARK	27	NA	NA
KANS	0	0	0
MO	5	0	0
NEBR	0	0	0
OKLA	5	5	5
S DAK	0	0	0
TEX	61	59	63
7 STATES	20	NA	NA
EXCL. STATES WITH NA	20	19	20

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

NA - NOT AVAILABLE

	RICE % HEADED		
	1985	1984	AVG.
ARK	1	0	0
CALIF	0	0	0
LA	38	31	35
MISS	15	5	NA
TEX	26	71	70
5 STATES	13	17	NA
EXCL. STATES WITH NA	13	18	19

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

NA - NOT AVAILABLE

NA - NOT AVAILABLE

## State Summaries of Weather and Agriculture

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State Statistical Offices in cooperation with the National Weather Service.

**ALABAMA:** Rain around 1.00 to 3.00 in. Temperatures averaged about 5° below normal. Fieldwork 4.6 days. Soil moisture 33% short, 59% adequate, 8% surplus. Sorghum, soybean planting virtually complete. Sorghum 33% fair, 65% good, 2% excellent. Wheat harvest virtually complete. Wheat 7% poor, 52% fair, 41% good. Corn silked 93%, 74% 1984, 72% avg. Corn dented 26%, 19% 1984. Corn 2% very poor, 17% poor, 36% fair, 41% good, 4% excellent. Soybeans blooming 10%, 10% 1984, 12% avg. Soybeans 7% poor, 33% fair, 56% good, 4% excellent. Cotton squaring 96%, 83% 1984, 74% avg. Cotton setting bolls 30%, 8% 1984, 10% avg. Cotton 22% fair, 67% good, 11% excellent. Peanuts pegging 64%, 34% 1984, 43% avg. Peanuts 50% fair, 42% good, 8% excellent. Activities: Cultivating, applying herbicides to row crops; fertilizing summer pastures; spraying for insects and disease control; harvesting hay and wheat; general care livestock and poultry. Pastures 7% very poor, 6% poor, 40% fair, 48% good, 4% excellent; livestock 4% poor, 36% fair, 58% good, 2% excellent.

**ALASKA:** Temperatures averaged near normal with seasonal rainfall continuing wetter than normal, most areas. Clouds, rain; turned sunny, warm late week.

Days available for fertilizing, cutting hay and silage, spraying herbicides 7.0. Topsoil moisture supplies 25% short, 57% adequate, 18% surplus. Subsoil moisture supplies 12% short, 84% adequate, 4% surplus. Barley grain 6% poor, 14% fair, 56% good, 24% excellent. Small grain heights ranged 2 to 9 in., 10 to 20 1984. First cutting hay none to 10% complete. Grass silage made excellent progress. Pasture, range 16% poor, 45% fair, 36% good, 3% excellent. Potatoes showed emergence, much later than normal due to cold soil temperatures.

**ARIZONA:** Sunny, hot conditions dominated. Humidity increased latter part of week; isolated light thundershowers over White Mountains, southeast 4th, 5th. Precipitation amounts from 0.02 to 0.25 in. Hail, high winds over southeast. Average temperatures 1 to 6° above normal.

Watermelons certified free of pesticide aldicarb; movement and sales slowed. Cantaloup harvest active. Honeydew, other mixed melons moving at seasonal levels. Grape picking complete in west. Picking continued in central valley. Other vegetable movement; garlic for by-products, carrots, potatoes. Cotton 70% good, 30% excellent; 98% squaring, 97% 1984, 93% avg.; bolls setting 69%, 65% 1984, 70% avg. Light weed, insect, disease infestations. Wheat, barley 99% harvested. Alfalfa harvest active, crop good to excellent condition. Weed infestations light. Sorghum making good progress. Corn harvest underway soon in west.

**ARKANSAS:** Temperatures 1 to 6° below normal. Rainfall scattered. Temperature extremes 51°, 98°. Precipitation none to 3.19 in. Days suitable for fieldwork 6.0. Soil moisture 44% short, 50% adequate, 6% surplus. Cotton 92% squared, 81% 1984, 80% avg. Cotton 37% setting bolls, 10% 1984, 11% avg. Cotton 15% fair, 65% good, 20% excellent. Winter wheat 97% harvested, 99% 1984, 98% avg. Winter wheat 14% poor, 72% fair, 14% good. Rice 1% headed, none 1984, none

avg. Rice 11% fair, 84% good, 5% excellent. Sorghum 27% headed. Sorghum 3% poor, 11% fair, 72% good, 14% excellent. Soybean 10% blooming, none 1984, none avg. Soybean 1% poor, 13% fair, 82% good, 3% excellent.

**CALIFORNIA:** Temperatures well above normal, dry across most of State. Central, southern coasts showed greatest above normal readings while northern end of State near normal. Temperatures readings across State ranged from a low of 33° Alturas to a high of 119° Blythe, Thermal.

Hot, dry weather ideal for fieldwork. Wheat, barley, oats continued to be harvested. Wheat 85% harvested, 96% 1984, 87% avg. Rice headed none, none 1984, none avg. Cotton 95% squared, 71% 1984, 75% avg. Cotton 35% setting bolls, 29% 1984, 25% avg. Alfalfa continued to be baled. Crop condition for rice, cotton 100% good. Apricot harvest nearing completion. Coachella Valley table grape harvest continued heavy. Table grape varieties approaching maturity in central valley. Stonefruit harvest continued, but at slower rate due to depressed prices. Freestone peach, nectarine harvests almost 40% complete; plum harvest only 33% complete. Harvest of Clingstone peaches begun. Prunes continued to drop from heat, potash deficiency. Some pest control applications in almond orchards. Broccoli fairly light supply central coast. Cantaloup harvest active desert, increasing San Joaquin Valley. Carrot harvest increased Salinas, San Joaquin Valleys. Cauliflower fairly light supply. Celery fairly light supply. Sweet corn harvest complete Coachella Valley, increased San Joaquin Valley. Lettuce fairly heavy supply Salinas, moderate supply Santa Maria. Spring potato harvest decreased. Some acreage disced due poor damage, high freight. Market tomato harvest active San Joaquin Valley. Processing tomato harvest increased San Joaquin Valley, started Sacramento Valley. Watermelon shipments halted due pesticide contamination. Harvest could resume this week. Ranges, pastures extremely dry from high temperatures, low humidity. Fire danger extremely high, several grass, brush fires out of control. Stockwater supplies continued to be depleted.

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

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

**FLORIDA:** Typical summer weather with scattered afternoon, evening thunderstorms. Rainfall amounts under 0.50 in. except 1.00 to 2.00 in. amounts common north July 6th.

Soil moisture remains adequate most localities statewide, few localities continue short. Tobacco harvest full swing. Soybeans continued to make good growth. Harvest early corn Panhandle expected two weeks. Cotton, peanuts, good condition. Haymaking active, weather permitting. Pastures growing well due to frequent summer

rains. Grazing condition good to excellent southern Peninsula, fair to good other areas. Good moisture conditions in citrus groves due to several rains. Abundance of new growth, some late bloom, new crop fruit sizes progressing well. Valencia harvest almost complete, grapefruit movement slow as supplies have run very low. Hot days, warm nights continued vegetable areas. Moderate to heavy showers most areas. Harvest most crops finished for season. Sweet corn harvest continues Zellwood area. Watermelon harvest winding down north, active west area. Quality variable. Vegetable growers preparing land for fall crop most areas.

**GEORGIA:** Cool, wet. Rain 3 to 5 days most stations. Total rainfall 1.00 to 3.00 in. most localities. Exception east central counties most totals under 0.75 in. Average temperatures 2 to 5° below normal. Rainfall since January 1, 2 to 7 in. below normal some stations 12 to 14 in. deficiency.

Days suitable for fieldwork 5.1. Soil moisture 2% very short, 37% short, 57% adequate, 4% surplus. Main activities: Cutting hay, applying pesticides, harvesting tobacco and melons, planting. Corn 98% silked, 91% 1984, 92% avg.; 84% dough, 66% 1984, 70% avg.; 50% dent, 30% 1984, 40% avg.; 15% mature, 9% 1984, 14% avg.; 4% very poor, 10% poor, 41% fair, 43% good, 2% excellent. Cotton 95% squaring, 85% 1984, 90% avg.; 52% setting bolls, 31% 1984, 56% avg.; 33% fair, 62% good, 5% excellent. Grain sorghum 97% planted, 93% 1984, 91% avg.; 1% very poor, 3% poor, 41% fair, 54% good, 1% excellent. Peanuts 94% blooming, 91% 1984, 94% avg.; 66% pegging, 71% 1984, 76% avg.; 13% fair, 82% good, 5% excellent. Soybeans 97% planted, 96% 1984, 96% avg.; 17% blooming, 8% 1984, 13% avg.; 2% setting pods, 1% 1984, 2% avg.; 1% very poor, 1% poor, 29% fair, 69% good. Tobacco 20% harvested, 16% 1984, 25% avg.; 21% fair, 79% good. Watermelons 64% harvested, 37% 1984, 51% avg.; 32% fair, 63% good, 5% excellent. Wheat 99% harvested, 99% 1984, 98% avg.; 14% poor, 41% fair, 42% good, 3% excellent. Rye 10% poor, 57% fair, 33% good. Other small grains 3% very poor, 5% poor, 53% fair, 39% good. Apples 1% harvested, 2% 1984, 2% avg.; 3% very poor, 5% poor, 53% fair, 39% good. Peaches 74% harvested, 70% 1984, 73% avg.; 4% very poor, 16% poor, 39% fair, 39% good, 2% excellent. Pastures 1% very poor, 3% poor, 42% fair, 53% good, 1% excellent. Hay 1% very poor, 4% poor, 44% fair, 50% good, 1% excellent. Cattle 1% poor, 26% fair, 71% good, 2% excellent. Hogs 1% poor, 19% fair, 77% good, 3% excellent.

**HAWAII:** Weather conditions mostly fair for crop development. Skies partially cloudy midweek as a result of tropical depression Enrique moving close to island. Temperatures continued in upper 80s. Scattered showers falling windward side of islands brought some relief to dry conditions of week past. Head cabbage, Head lettuce supplies remain heavy, warm conditions slowed crop progress. Weather conditions favorable for fruit development of bananas, papayas. Watermelon supplies forecast to decrease over the next few weeks as fields have past peak. New plantings expected to be harvested toward end of July.

**IDAHO:** Sunny, hot, dry dominated weather; lots of sunshine; no rain. Humidity running mostly teens typical anywhere in State. Temperatures average 5° above normal. Sandpoint greatest departure 5° above normal. Pocatello, Burley lowest departure 2° above normal. Precipitation

nonexistent, average departures 0.20 in. below normal. Grangeville greatest departure 0.40 in. below normal. Drought conditions continued to increase over State. Since March 1, many stations several inches below normal. Grangeville greatest departure 5.76 in., Pocatello 4.97 in., Caldwell 4.70 in., Lewiston 4.05 in. below normal. Five stations 3.05 in. below normal, remainder averaged 2.05 in. below normal with Jerome 1.67 below normal.

Days suitable for fieldwork 7.0. Alfalfa first cutting 85% cut, 77% 1984, 81% avg. Cherries 72% harvested, 17% 1984. Winter wheat 99% headed, 99% 1984, 94% avg. Spring wheat 67% headed, 64% 1984, 67% avg. Barley 64% headed, 58% 1984. Potatoes 28% closing middles, 49% more than 12 in. tall, 23% less than 12 in. Winter wheat 4% fair, 39% good, 57% excellent. Spring wheat 4% fair, 46% good, 50% excellent. Barley 4% fair, 46% good, 50% excellent. Potatoes 22% good, 78% excellent. Grasshopper infestation in south, east 30% none, 20% light, 25% moderate, 25% severe. Livestock good. Range, pasture very dry.

**ILLINOIS:** Temperatures 20° above normal to 60° below normal. Precipitation none to 1.85 in. scattered, no precipitation west.

Days suitable for fieldwork 4.5. Soil moisture 28% short, 53% adequate, 19% surplus. Corn height all fields 60 in., 43 1984, 49% avg.; height most advanced fields 78 in., 60 1984, 65% avg.; silking 20%, 1% 1984, 10% avg.; 6% fair, 49% good, 45% excellent. Soybeans blooming 20%, 12% 1984, 18% avg.; setting pods 4%, none 1984, 2% avg.; 21% fair, 60% good, 19% excellent. Winter wheat ripe 98%, 93% 1984, 95% avg.; harvested 75%, 66% 1984, 62% avg. Oats turning yellow 80%, 49% 1984, 50% avg.; ripe 34%, 13% 1984, 14% avg.; harvested 10%, 5% 1984, 3% avg.; 17% fair, 71% good, 12% excellent. Alfalfa second crop 52% cut, 43% 1984, 42% avg.; 3% poor, 18% fair, 61% good, 18% excellent. Sorghum grain planted 95%, 100% 1984, 98% avg. Pasture 4% poor, 22% fair, 58% good, 16% excellent.

**INDIANA:** Temperatures near normal north, 3 to 5° below normal south. Highs averaged low to mid 80s. Below normal precipitation, totals from 0.11 to 2.57 in.

Fieldwork averaged 5.0 days. Topsoil moisture 44% short, 45% adequate, 11% surplus. Subsoil moisture 33% short, 62% adequate, 5% surplus. Soybeans 12% bloomed, 10% 1984, 10% avg. Soybean 3% poor, 19% fair, 75% good, 3% excellent. Corn 12% silked, none 1984, none avg. Corn 2% poor, 25% fair, 62% good, 11% excellent. Corn 53 in. tall, 37 in. 1984, 40 in. avg. Wheat 67% harvested, 30% 1984, 32% avg. Alfalfa 40% cut twice, 25% 1984, 32% avg.

**IOWA:** Hot, dry week. Precipitation to 0.50 in. Temperatures ranged from 45° on 3rd to 96° on 7th. Average daily evaporation 0.33 in.

Days suitable for fieldwork 6.8. Topsoil moisture 68% short, 32% adequate. Subsoil moisture 46% short, 54% adequate. Corn tasseled 12%, 1% 1984, 5% avg. Corn silked 1%, none 1984, none avg. Corn height 48 in. Corn 1% poor, 10% fair, 60% good, 29% excellent. Soybeans blooming 17%, 5% 1984, 8% avg. Soybean 18% fair, 67% good, 15% excellent. Oats turning color 80%, 32% 1984. Oats harvested 3%, 4% avg. Oats 2% poor, 18% fair, 64% good, 16% excellent. Winter wheat harvested 25%, 10% 1984, 13% avg. Wheat 1% poor, 21% fair, 60% good, 18% excellent. Second crop alfalfa hay harvested 40%, 10% 1984, 17% avg. First crop clover hay harvested 100%, 78% 1984,

85% avg. Hay 9% poor, 36% fair, 48% good, 7% excellent. Pasture 10% very poor, 24% poor, 35% fair, 28% good, 3% excellent. Livestock good condition.

**KANSAS:** Precipitation averaged little or none northeast, north central, 0.10 to 0.30 in. elsewhere. Temperatures averaged 76 to 78. These were 1 to 30 above normal northwest, west central and northeast, 1 to 30 below normal elsewhere.

Days suitable for fieldwork 6.0. Topsoil moisture 33% short, 66% adequate, 1% surplus. Wheat 95% harvested, 65% 1984, 55% avg. Sorghum none headed, none 1984, none avg. Sorghum 9% fair, 26% good, 65% excellent. Soybeans 10% blooming, 5% 1984, 5% avg. Soybean 5% fair, 17% good, 78% excellent. Corn 15% silking, 3% 1984, 5% avg. Corn 4% very poor, 16% good, 80% excellent. Range, pasture hurting in dry areas. Alfalfa second cutting full swing.

**KENTUCKY:** Frontal systems brought rain most areas. Numerous occasions. Totals averaged from around 0.50 to 1.00 in. to as much as 3 to 4 in. Temperatures averaged near seasonal normals. Daily highs in 80's, overnight lows averaging mid 50's to 60's.

Days suitable for fieldwork 3.8. Soil moisture 11% short, 64% adequate, 25% surplus. Corn developing ahead of normal 30% silking, 8% 1984, 18% avg.; 1% poor, 7% fair, 65% good, 27% excellent. Soybeans 91% planted; 7% blooming; 2% 1984, 5% avg.; 1% poor, 23% fair, 67% good, 9% excellent. Wheat 85% harvested. Tobacco growth ahead normal. Tobacco diseases most prevalent black shank, manganese toxicity and angular leaf spot. Blue mold not a problem to date. Pastures mostly good.

**LOUISIANA:** Temperatures averaged 2 to 50 below normal. Temperatures extremes 590, 990. Rain totals averaged 0.02 to 2.04 in.

Days suitable for fieldwork 5.1. Soil moisture 48% short, 46% adequate, 6% surplus. Cotton 20% fair, 80% good. Cotton 83% squaring, 70% 1984, 78% avg.; 40% setting bolls, 10% 1984, 18% avg. Rice 16% fair, 81% good, 3% excellent. Rice 38% headed, 31% 1984, 35% avg.; 3% ripe, 1% 1984, 1% avg. Soybeans 1% poor, 58% fair, 41% good; 99% planted, 100% 1984, 97% avg. Soybeans 97% emerged, 96% 1984, 93% avg.; 10% blooming, 9% 1984, 11% avg. Sorghum 3% poor, 42% fair, 48% good, 2% excellent. Sorghum 63% headed, 57% 1984, 43% avg.; 9% turning color, 5% 1984, 6% avg. Corn fair to good; 97% silked, 93% 1984, 89% avg. Corn 78% dough stage, 67% 1984, 62% avg.; 12% mature, 8% 1984, 18% avg. Hay 1st cutting 99% complete, 96% 1984, 94% avg. Sweetpotatoes fair to good; 99% planted, 99% 1984, 97% avg. Peaches good; 57% harvested, 53% 1984, 62% avg. Pastures, vegetables fair; livestock, sugarcane fair to good.

**MARYLAND & DELAWARE:** Maryland: Temperatures 2 to 30 below normal, fourth consecutive week. Temperature range mid to upper 50's to near 90. Precipitation range 0.06 to 1.46 in.; average 0.30 in.

Days suitable for fieldwork 6.9. Topsoil, subsoil moisture short over entire State. Small grain harvest ahead of schedule. Wheat 90% harvested, 45% 1984, 60% avg. Barley 100% harvested, 95% 1984, 100% avg. Rye 85% harvested, 70% 1984, 65% avg. Oats 70% harvested, 30% 1984, 30% avg. Soybeans 100% planted, a few days ahead of 1984 and avg. Snap beans 50% harvested, 50% 1984, 45% avg. Cucumbers 25% harvested, 25% 1984, 25% avg. Alfalfa hay 75% cut twice, 55% 1984, 65% avg. Other hay 60% cut twice, 20% 1984, 30% avg.

Delaware: Temperatures 2 to 30 below normal, fourth consecutive week. Precipitation light.

Temperatures range mid to upper 50's to near 90. Precipitation range trace to 0.21 in.; avg. 0.07 in.

Days suitable for fieldwork 7.0. Topsoil, subsoil moisture short. Wheat 90% harvested, 45% 1984, 65% avg. Soybeans 95% planted, 85% 1984, 95% avg. Other hay 50% cut twice, 65% 1984, 40% avg.

**MICHIGAN:** Temperatures near normal. Precipitation light to moderate. Scattered showers benefit crop development.

Days suitable for fieldwork 6.0. Soil moisture 80% short, 20% adequate. Corn 1% silked, none 1984, none avg. Corn 10% poor, 20% fair, 45% good, 25% excellent. Soybeans 2% blooming, 1% 1984, 3% avg. Soybeans 5% poor, 25% fair, 50% good, 20% excellent. Winter wheat 1% harvested, none 1984, 2% avg. Winter wheat 3% poor, 17% fair, 55% good, 25% excellent. Fruit prospects remain good. Tart, sweet cherry harvest active. Strawberry harvest nearing completion. Celery harvest full swing. Sweet corn, cucumber harvest beginning.

**MINNESOTA:** Warm day week with severe thunderstorms, tornadoes on 3rd. Temperatures averaged 1 to 30 above normal. Temperature extremes: 450; 1040. Precipitation averaged 0.13 in. above normal northeast, 0.53 to 0.95 in. below normal elsewhere.

Days suitable for fieldwork 5.7. Topsoil moisture 36% short, 58% adequate, 6% surplus. Corn 33 in. height, 31 in. 1984, 29 in. avg.; 3% poor, 35% fair, 48% good, 14% excellent. Soybean 10 in. height, 9 in. 1984, 10 in. avg.; 1% very poor, 3% poor, 38% fair, 52% good, 6% excellent. Spring wheat 88% headed, 84% 1984, 80% avg.; 5% turning ripe, 5% 1984, 7% avg.; 1% poor, 23% fair, 63% good, 13% excellent. Oats 91% heading, 90% 1984, 85% avg.; 15% turning ripe, 6% 1984, 9% avg. Barley 90% headed, 90% 1984, 84% avg.; 12% turning ripe, 9% 1984, 12% avg. Sunflowers 12 in. height, 13 in. 1984, 16 in. avg.

**MISSISSIPPI:** Scattered thunderstorms. Temperatures averaged 50 below normal. Extremes 540; 950. Greatest 24-hour rainfall 9.46 in. Gulfport.

Days suitable for fieldwork 6.0, 6.1 1984, 5.2 avg. Soil moisture 36% short, 64% adequate. Cotton 89% squaring, 88% 1984, 87% avg.; 15% setting bolls, 8% 1984, 14% avg.; 10% poor, 20% fair, 50% good, 20% excellent. Soybeans 97% planted, 95% 1984, 94% avg.; 92% emerged, 86% 1984; 7% blooming, 3% 1984; 9% poor, 45% fair, 46% good. Rice 15% heading, 5% 1984; 10% fair, 90% good. Grain sorghum 47% heading, 22% 1984; 36% fair, 64% good. Corn 77% silking, 69% 1984, 67% avg.; 47% dough, 35% 1984, 42% avg.; 44% fair, 56% good. Watermelons 28% harvested, 25% 1984. Peaches 47% harvested, 54% 1984; 10% very poor, 10% poor, 40% fair, 40% good. Hay 52% harvested, 42% 1984, 52% avg. Pasture 10% poor, 50% fair, 40% good.

**MISSOURI:** Temperatures averaged 2 to 40 below normal. Little to no rain across State.

Days suitable for fieldwork 5.9. Topsoil moisture 28% short, 67% adequate, 5% surplus. Corn 1% poor, 24% fair, 61% good, 14% excellent; silking 27% none 1984, 5% avg. Soybeans 3% poor, 37% fair, 54% good, 6% excellent; blooming 11%, none 1984, 3% avg. Grain sorghum 3% poor, 26% fair, 63% good, 8% excellent; heading 5%, none 1984, none avg. Cotton 9% poor, 27% fair, 64% good; squaring 70%, 66% 1984, 68% avg.; setting bolls 3%, 2% 1984, 8% avg. Winter wheat 89% harvested, 64% 1984, 54% avg. Oats 50% harvested. Second crop alfalfa 71% cut. Other hay 80% cut. Pastures 6% poor, 27% fair, 62% good, 5% excellent.

**MONTANA:** Very hot, very dry; drought worsens. Temperatures average 5 to 110 above normal. Maximum temperatures in 90s, 100s all week. Highest 107° at Malta. No precipitation.

Days suitable for fieldwork 6.7. Topsoil moisture 95% short, 2% adequate. Subsoil moisture 98% short, 2% adequate. Winter wheat 24% very poor, 45% poor, 30% fair, 1% good; boot 2%, none 1984, 5% avg.; headed 98%, 100% 1984, 95% avg. Spring wheat 21% very poor, 66% poor, 12% fair, 1% good; preboot 9%, 5% 1984, 10% avg.; boot 36%, 30% 1984, 35% avg.; headed 55%, 65% 1984, 55% avg. Barley 22% very poor, 61% poor, 15% fair, 2% good; preboot 6%, 5% 1984, 5% avg.; boot 37%, 35% 1984, 35% avg.; headed 57%, 60% 1984, 60% avg. Oats 19% very poor, 46% poor, 26% fair, 9% good; preboot 10%, 15% 1984, 20% avg.; boot 32%, 45% 1984, 40% avg.; headed 58%, 40% 1984, 40% avg. Sugarbeets 6% poor, 55% fair, 38% good, 1% excellent. First cutting alfalfa hay 76%, 60% 1984, 50% avg. Wild hay harvest 47%, 20% 1984, 20% avg. Irrigation water supplies 72% short, 28% adequate. Insect damage compared with normal 6% light, 32% moderate, 62% severe.

**NEBRASKA:** Hot, dry isolated thunderstorms. Only significant rain reported was 0.25 in. north central, 2.00 in. southwest. Temperatures ranged from 20 below to 40 above normal.

Days suitable for fieldwork 6.9. Topsoil moisture 56% short, 44% adequate. Subsoil moisture 29% short, 71% adequate. Winter wheat 22% fair, 66% good, 12% excellent. Wheat turning 100%, 93% 1984, 92% avg. Wheat ripe 75%, 20% 1984, 45% avg. Wheat harvested 40%, 4% 1984, 15% avg. Dry conditions, warmer temperatures continued to push maturity. Scattered heads blank or poorly filled result of frost. Corn 4% fair, 83% good, 13% excellent. Corn silking 3%, none 1984, 1% avg. Soybean 7% fair, 87% good, 6% excellent. Soybean blooming 7%, 4% 1984, 6% avg. Sorghum 8% fair, 92% good. Sorghum headed none, none 1984, none avg. Alfalfa mostly fair to good. Second cutting 35%, 10% 1984, 25% avg.

**NEVADA:** Extremely warm high pressure system covered entire State throughout week. Average temperatures 5 to 100 above normal. Maximums near all time record for date. Northern, central State maximums upper 90's to near 105° south reached 110 to 120°. Thunderstorms toward end of week brought scattered light rain and strong gusty winds over State. Hot temperatures and strong gusty winds stressed crops all areas. Irrigation requirement continue to increase. Pasture, range conditions continue to decline.

**NEW ENGLAND:** Average precipitation from a maximum 0.75 in. over northern Maine, western Vermont to less than 0.25 in. over New Hampshire, coastal Maine. Rest of region received between 0.25 and 0.50 in. Average temperatures ranged from upper 60's across northern, western mountains to low 70's along south coast.

Days suitable for fieldwork 5.0. Fieldwork progress 2.0 days behind schedule. Soil moisture 10% short, 85% adequate, 5% surplus. Grazing availability 15% short, 70% adequate, 15% surplus. Hot, humid weather accelerated crop growth. Field corn good to excellent south; fair to good north. Maine potato 100% good. First cut hay 70%, 70% 1984, 75% avg. Second cut hay 5%, 5% 1984, 5% avg. Shade tobacco harvest underway. Cranberry bogs in full bloom; 100% good.

**NEW JERSEY:** Temperatures averaged 1 to 20 below normal. Extremes 45°; 93°. Weekly rainfall averaged 0.57 in. north, 0.27 in. central, 0.22 in. south. Heaviest 24-hour total 0.70 in. 6th, 7th. Estimated soil moisture, in percent of field capacity, averaged 70% north, 66% central, 39%

south. Four inch soil temperatures averaged 67° north, 69° central, 70° south.

Many areas of the State could use a good soaking rain as a result of warm, windy weather. Summer vegetable supplies moderate to good. Blueberry marketings continued good from early varieties. Peach harvest continued light with some increase expected next week. Early summer variety apple harvest underway. Grain combining active. First cutting of hay nearing completion. Pastures need rain many areas.

**NEW MEXICO:** Average temperatures near normal eastern Plains, above average central and west, as much as 50 above average northwest. Temperatures 35° northern mountains to 103° southern desert, central valley and highlands. Only northwest received no precipitation. Precipitation none to 0.58 in. northern mountains.

Days suitable for fieldwork 6.7. Soil moisture 58% short, 42% adequate. Hail damage 84% none, 8% light, 8% moderate. Alfalfa 31% fair, 61% good, 8% excellent. Cotton 11% poor, 22% fair, 67% good; 65% squaring, 64% 1984, 65% avg.; 35% setting bolls, 35% 1984, 31% avg. Barley 71% good, 29% excellent. Irrigated wheat 10% fair, 70% good, 20% excellent; dry wheat 33% fair, 17% good, 50% excellent. All wheat 91% harvested. Irrigated sorghum 11% fair, 78% good, 11% excellent; dry sorghum 40% fair, 60% good. Pecans 33% fair, 67% good. Apples 100% fair. Chile 100% good. Onions 75% good, 25% excellent. Cattle 25% fair, 75% good. Sheep 11% fair, 89% good. Range 8% poor, 42% fair, 42% good, 8% excellent.

**NEW YORK:** Temperatures averaged a degree or two below normal, week was highlighted by first warm, humid outbreak of season. Cool nights, seasonable days until 3rd, then warm, humid air took hold on 4th reached 90° in Syracuse, Poughkeepsie. Showers, thunderstorms accompanied humid weather. Spotty light showers on 3rd more rainfall on 6th. Rainfall for week averaged between 0.04 and 0.08 in., which was pretty close to normal.

Average 5.0 days suitable for fieldwork. Soil moisture some short, mostly adequate. Corn growing quickly, early planted doing better. Oats heading out, some fields turing. Wheat good to excellent shape. Haying slowed by rains. First cutting alfalfa hay harvest 71% complete, 78% 1984, 73% avg. Clover-timothy hay harvest 52% complete, 54% 1984, 56% avg. Grass silage harvest 84% complete, 64% 1984, 65% avg. Harvesting broccoli, sweet corn, potatoes, tomatoes, cabbage, lettuce and celery underway. Tart cherry harvest began. Pastures fair to good.

**NORTH CAROLINA:** Temperatures ranged 4 to 60 below normal to normal along coast. Rainfall ranged from 0.21 to 5.99 in. across State.

Days suitable for fieldwork 5.1. Soil moisture 12% very short, 41% short, 45% adequate, 2% surplus. Tobacco 43% fair, 55% good, 2% excellent; harvested 2%, 2% 1984, 2% avg. Corn 13% poor, 45% fair, 37% good, 5% excellent; silked 86%, 49% 1984, 57% avg.; soft dough 50%, 17% 1984, 15% avg. Cotton 16% fair, 79% good, 5% excellent; squared 85%, 49% 1984, 58% avg.; bloomed 24%, 10% 1984, 13% avg. Peanuts 27% fair, 73% good. Soybean 2% poor, 34% fair, 62% good, 2% excellent; planted 98%, 96% 1984, 92% avg. Hay 19% poor, 47% fair, 30% good, 4% excellent. Irish potatoes 6% poor, 44% fair, 44% good, 6% excellent. Sweetpotatoes 31% fair, 58% good, 11% excellent. Apples 25% poor, 75% fair. Pastures 24% poor, 47% fair, 28% good, 1% excellent. Major farm activities: Topping and suckering tobacco, cultivating row crops, planting soybeans and sorghum, spraying and harvesting vegetables, irrigating crop, digging potatoes, scouting for weed and insect control.

**NORTH DAKOTA:** Hot, dry weather prevailed. By weeks end many locations reported high temperatures over century mark. Temperatures averaged 5 to 70 above normal west to 1 to 20 above normal northeast. Temperatures extremes ranged from low of 360 Trotters June 30 to high of 1080 Ft. Yates July 5. Precipitation averaged less than 0.10 in., many areas received no rainfall at all. Pembina reported largest weekly total with 0.57 in. With exception of northeast and east central, State running 1.00 to 2.00 in. below normal for growing season. Over northeast and east central, growing season rainfall running 0.50 to 1.50 in. above normal.

Fieldwork 7.0 days suitable. Topsoil moisture supplies dropped below normal, subsoil also below normal. Topsoil supplies 56% short or very short, 44% adequate. Subsoil supplies 40% short or very short, 60% adequate. Small grain mostly good to excellent; development still one week ahead of normal. Hard red spring wheat 2% poor, 23% fair, 55% good, 20% excellent. Progress at 28% milk-dough or beyond, 15% 1984, 16% avg. Durum 5% poor, 17% fair, 51% good, 27% excellent. Barley 2% very poor, 13% fair, 52% good, 33% excellent. Oat 2% very poor, 33% fair, 52% good, 13% excellent. Row crops in mostly good condition, rapid growth past week. Sunflower 13 in. avg. height, 15 in. 1984, 15 in. avg. Sunflower 2% poor, 24% fair, 74% good. Corn 38% fair, 62% good. Blooming of flax well ahead of normal, potatoes and dry beans lag behind.

**OHIO:** Temperatures averaged or slightly cooler than normal. Lows 1 to 30 above normal. Highs 2 to 50 cooler than usual. Precipitation widespread totals 1.00 to 2.00 in. Northwest, southeast drier, 0.33 to 0.50 in.

Fieldwork 5.0 days. Soil moisture 28% short, 67% adequate, 5% surplus. Winter wheat 10% fair, 68% good, 22% excellent; harvested 25%, 5% 1984, 5% avg. Corn 5% fair, 67% good, 25% excellent; 14% leaves silking 5%, none 1984, none avg. Soybeans 24% fair, 65% good, 11% excellent; blooming 5%, none 1984, none avg. Oats good; 2% harvested, none 1984, none avg. All hay good; alfalfa 1st cut 99%, 97% 1984, 95% avg.; 2nd cut 30%, 10% 1984, 15% avg.; other hay 1st cut 95%, 90% 1984, 90% avg.; 2nd cut 10%, 5% 1984, 5% avg. Tobacco good; some blue mold. Sugarbeets fair to good. Harvesting raspberries, blueberries, sweet corn, tomatoes, summer squash, green beans, peas, beets. Pasture good.

**OKLAHOMA:** Temperatures averaged 40 below normal north central, central, east central, south central, southeast to 20 below normal Panhandle. Precipitation averaged none southwest, west central to 1.17 in. south central.

Days suitable for fieldwork 6.2. Topsoil moisture 21% short, 73% adequate, 6% surplus. Subsoil moisture 4% short, 96% adequate. Wheat 1% poor, 6% fair, 93% good. Wheat 99% harvested, 97% 1984, 90% avg.; harvest complete except few wet fields. Lower quality crop than last year. Nearly 65% of stubble plowed. Sorghum 1% fair, 96% good, 3% excellent. Sorghum 5% headed, 5% 1984, 5% avg. Cotton 11% fair, 89% good. Cotton 15% squaring, 2% 1984, 10% avg. Cotton none setting bolls, none 1984, none avg. Cool nights helped cotton development. Forage supplies surplus in 30% of counties. Parasites building southern two-thirds of State.

**OREGON:** Temperatures averaged above normal most locations. Coolest overnight lows in 40's; daytime highs quite warm, particularly east. Southeast highs above 1000; southwest highs in high 90's. Almost no precipitation, only trace amounts in northwest.

Soil moisture 87% short, 13% adequate. Winter wheat 22% fair, 78% good; 2% harvested, none 1984, 1% avg.; harvest began mid-Columbia region. Most grains maturing ahead of normal due to dry, warm conditions. Barley 5% harvested, progressed rapidly mid-Columbia area, began in southwest. Willamette Valley grass seed swathed, some threshing completed; swathings began in central region. First hay cutting neared completion in eastern high country; second cutting elsewhere. Mint weeding in central areas. Strawberry harvest completed. Raspberry, blueberry harvest. Cranberry bloom neared completion southern coast; fruit set, development moving rapidly with warm weather. Cherries, Willamette Valley harvest in full swing; most Bings picked at Dalles; Hood River Valley; sizing well, getting insect spraying at Milton-Freewater; sizing well, cover sprays completed in southwest. Pears, sizing well in southwest; being thinned and sprayed for mites and psylla at Hood River. Vegetable crops growing well Willamette Valley under heavy irrigation, planting neared completion, fresh market harvest continued. Harvest of Walla Walla sweet onions Milton-Freewater. Green pea harvest near complete Umatilla County, yield down due to moisture shortage. Potato crop good throughout State, minor frost damage in central areas, Klamath County. Livestock mostly good; cattle and sheep on high elevation rangeland in east. Range, pasture poor to good; irrigated pastures and high elevation ranges least affected by hot, dry weather. Localized grasshopper infestations in east.

**PENNSYLVANIA:** Average rainfall 0.83 in., 0.05 in. below normal. Average temperature 680; 10 below normal.

Days suitable for fieldwork 4.0. Soil moisture 40% short, 53% adequate, 7% surplus. Corn 1% poor, 12% fair, 44% good, 43% excellent. Average corn height 31 in., 19 in. 1984. Soybeans 97% planted, 95% 1984, 95% avg. Soybean 1% very poor, 6% poor, 20% fair, 51% good, 22% excellent. Wheat 12% headed, 26% 1984; 32% turning yellow 45% 1984; 45% ripe, 26% 1984; 11% harvested, 2% 1984; 1% poor, 20% fair, 54% good, 25% excellent. Oats 56% headed, 60% 1984; 35% turning yellow, 19% 1984; 8% ripe; 1% harvested; 1% poor, 12% fair, 50% good, 37% excellent. Barley 17% turning yellow, 24% 1984; 26% ripe, 26% 1984; 57% harvested, 38% 1984. First cutting alfalfa 90% complete, 80% 1984. Second cutting alfalfa 29% complete, 8% 1984. First cutting clo-tim 85% complete, 69% 1984. Quality of hay 30% poor, 47% fair, 23% good. Feed from pasture 30% below avg., 60% avg, 10% above avg. Activities for the week: Harvesting hay, haylage, green chop, barley, wheat, tart cherries, early apples, peaches, tomatoes, blueberries, snap beans, early sweet corn, green peas; cultivating and side-dressing corn, spraying soybeans.

**PUERTO RICO:** Island average rainfall 0.25 in., 0.95 in. below normal. Highest weekly total 2.41 in. Highest 24-hour total 0.62 in. Temperature averaged about 82 to 840 on coasts, 76 to 800 interior divisions. Mean station temperature ranged from 69 to 840. Extremes 590; 950. Total rainfall 0.08 in. minus 0.97 in.

**SOUTH CAROLINA:** Weather during past week was less hot, more cloudier than usual. Early week temperatures were below average, higher late week. Rainfall occurred early, late week.

Days available for field activities 5.0. Soil moisture 5% very short, 56% short, 39% adequate. Soybeans 3% poor, 25% fair, 72% good; 97% planted, 94% 1984. Soybeans blooming 2% 1985. Cotton 5% fair, 95% good; 96% squaring, 91% 1984, 90% avg.; 65% setting bolls, 45% 1984, 50% avg. Tobacco condition good. Peach condition fair; 58%

harvested, 39% 1984, 38% avg. Tomato fair to good; 90% harvested, 87% 1984, 84% avg. Pasture, hay crop fair. Rains brought relief with some areas still needing more.

**SOUTH DAKOTA:** Average temperatures 3 to 60 above central and west, 10 above to 20 below normal east. Extremes: 370, 1080. Precipitation widely scattered but limited areal coverage.

Days suitable for fieldwork 6.0. Topsoil moisture mostly adequate east, short and critically short west, varied central, 22% critically short, 37% short, 41% adequate. Corn 1% poor, 13% fair, 63% good, 23% excellent. Corn none silking, none 1984, 1% avg. Winter wheat 11% poor, 52% fair, 31% good, 6% excellent. Winter wheat 3% harvested, none 1984, 4% avg. Spring wheat 5% very poor, 13% poor, 28% fair, 39% good, 15% excellent. Spring wheat 100% headed, 81% 1984, 88% avg. Sorghum 1% very poor, 6% poor, 26% fair, 58% good, 9% excellent. Sorghum none headed, none 1984, none avg. Soybean 7% fair, 79% good, 14% excellent. Soybean 12% blooming, 3% 1984, 14% avg. Livestock good. Range, pastures good east two-third, fair and poor central and west. Feed supplies short west one-third, adequate elsewhere. Stockwater supplies short west central and southwest, adequate elsewhere.

**TENNESSEE:** Series of low pressure systems produced scattered rainfall, below seasonal temperatures. Temperatures ranged 60's; upper 80's west; averaged 2 to 60 below normal. Precipitation occurred over most of State. Heaviest amounts in west exceeded 3.00 in.; averages elsewhere 0.50 to 1.00 in.

Days suitable for fieldwork 5.0. Soil moisture levels 28% short, 66% adequate, 6% surplus. Corn 50% tasseling, 25% 1984, 25% avg.; 10% dough, 1% 1984, 4% avg.; 1% poor, 13% fair, 64% good, 22% excellent. Cotton 70% squaring, 80% 1984, 70% avg.; 6% setting bolls, 2% 1984, 4% avg.; 4% very poor, 4% poor, 13% fair, 55% good, 24% excellent. Sorghum 100% planted, 91% 1984; 18% fair, 70% good, 12% excellent. Soybeans 95% planted, 94% 1984, 92% avg.; 6% blooming, 3% 1984, 5% avg.; 1% poor, 31% fair, 60% good, 8% excellent. Wheat 96% harvested, 90% 1984, 85% avg.; 2% very poor, 10% poor, 30% fair, 57% good, 1% excellent. Alfalfa 88% 2nd cutting, 85% 1984, 80% avg. Pastures good condition.

**TEXAS:** Usually cool temperatures continued. Additional low temperature records set from rolling Plains into northeast. Pocket very cool air upper levels moved southward on 3rd, helped trigger torrential rains San Antonio area. Other substantial rains scattered from Winter-Garden eastward to Houston. Few showers High Plains, hot temperatures below average across State. Above normal precipitation south central, Coastal Bend, south area down to lower valley. Rain light rolling Plains northeast to Panhandle, over Piney Woods.

**Crops:** Grain sorghum 100% planted, 99% 1984, 99% avg.; 61% headed, 59% 1984, 63% avg.; 36% turning color, 49% 1984, 48% avg.; 15% mature, 33% 1984, 24% avg.; 5% harvested for grain, 16% 1984, 12% avg. Condition 89% of normal, 70% 1984. Sorghum 15% fair, 69% good, 16% excellent. Planting virtually completed Plains because dry, open weather. Early planted fields boot stage, making good growth. Producers Blacklands treating for midge. Good rain this area would benefit crop. Harvesting continued Coastal Bend, south, Rio Grande Valley. Early yields good. Corn 72% silked; 58% doughing; 42% dented. Condition 90% of normal, 70% 1984. Corn 17% fair, 61% good, 22% excellent. Fields good progress Plains. Fields continued pollinate under good weather

conditions. Fields drying rapidly from Blacklands to Rio Grande Valley. Harvest valley begin soon. Cotton 17% squaring, 49% 1984, 45% avg.; 13% setting bolls, 12% 1984, 14% avg.; 1% open bolls, 1% 1984, 2% avg. Condition rated at 72% of normal. Cotton 11% poor, 40% fair, 42% good, 7% excellent. Cooler temperatures Plains slowed growth, overall condition improved. Additional dry, hot weather further boost crop. Bollworms increasing some areas Blacklands. Fields central, south benefitted from recent showers; fields could use drier weather to continue good progress. Few more fields Rio Grande Valley picked. Wheat 98% harvested for grain, 88% 1984, 85% avg. Condition 83% of normal, 63% 1984. Wheat 5% poor, 26% fair, 50% good, 19% excellent. Weather conditions excellent for harvest to advance rapidly Plains, harvesting now nearing completion. Fields good both irrigated, non-irrigated fields. Rice 26% headed, 71% 1984, 70% avg.; 3% turning color, 23% 1984, 16% avg. Condition 95% of normal. Rice 7% fair, 58% good, 35% excellent. Prospects remained good along Upper Coast. First fields being drained prepared for harvest. Peanuts 100% planted, 92% 1984, 95% avg. Continued bloom Plains, make good progress. Fields Cross-Timbers good start. Good stands Blacklands. Planting continued south central as fields dried, other crops; oats 96% harvested, 88% 1984, 90% avg. Soybeans 95% planted, 100% 1984, 92% avg. Sunflowers 99% planted, 97% 1984, 91% avg.

**Commercial Vegetables:** Rio Grande Valley, land preparation fall planting underway. Harvest winding down melons, tomatoes, bell peppers. San Antonio-Winter Garden, light movement continued melons, onions. East, light supplies peas, beans, watermelons, tomatoes, cucumbers, peppers. High Plains, harvest started onions. Potato harvest begin this week. Trans-Pecos, few field onions remain. Cantaloup harvest winding down. Mid, late season peaches being harvested. Insects caused some damage these varieties. Pecans continued progress well under current conditions. Some areas could use additional moisture. Second generation casebearers being sprayed.

**Range and Livestock:** Range improved most areas. Second cutting hay continued. Drenching sheep, goats continued Hill Country. Livestock good. Stock tanks full most areas.

**UTAH:** No trace of precipitation any reporting stations. Maximum temperatures averaged 6.50 above normal, ranging for normal to 120 above. Minimums averaged 10 above normal, ranging from 70 below to 80 above.

Days suitable for fieldwork 6.3. Hot weather intensifies need for moisture. Dryland areas, ranges dry. Scattered showers during week not sufficient. Small grains in good condition, winter wheat 62% turning color; spring wheat 47% turning color; 45% heading; barley 43% turning color; 50% heading; oats 15% turing color; 71% heading. Little 1st cutting alfalfa left, 2nd cutting about to start, 3rd cutting underway in Dixie. Some meadow hay cut. Small grain silage made in west central. Tart cherry, apricot harvest underway. Rain damage to sweet cherries severe in some orchards. Grasshoppers still large problem. Most ranges, livestock good condition.

**VIRGINIA:** Variable daily temperatures, moderate precipitation. Temperatures range; 520 to 940. Average temperatures slightly below normal. Precipitation averaged 1.25 in. mountains, 1.00 in. near coast, 0.05 in. elsewhere.

Days suitable for fieldwork 5.2. Topsoil moisture ratings 57% short, 43% adequate. Small grain harvest benefitting from dry weather but pasture condition declining. Corn condition rated good. Corn 38% silk stage, 25% 1984, 34% avg.

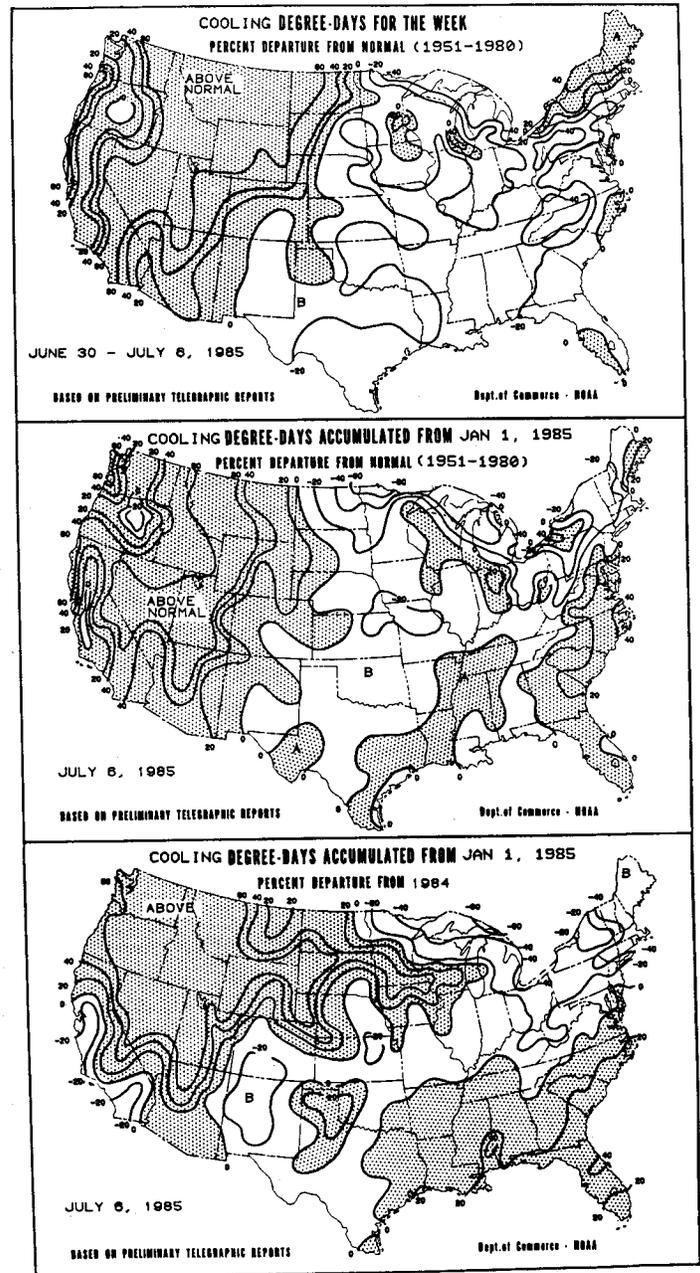
Soybeans 98% planted, 92% 1984, 93% avg. Condition mostly good but rain needed. Peanuts rated good to excellent. Fungicides being applied. Tobacco rated mostly good to excellent. Irrigating tobacco. Barley 97% harvested, 95% 1984, 95% avg. Wheat 90% harvested, 75% 1984, 83% avg. Oats 75% harvested, 58% 1984, 67% avg. Some stressed fields where plowed or cut for hay. Excellent conditions prevail for harvesting potatoes with 50% reported dug. Apples rated fair. Pasture, hay conditions fair need rain. Livestock good to excellent.

**WASHINGTON:** Rainfall minimal western areas, none east of Cascades. Temperatures slightly above normal west, substantially above normal east. Days suitable for fieldwork 7.0. Soil moisture 38% poor, 50% fair, 12% adequate. Hot, dry conditions continued to stress grain crops eastern areas. Dryland barley harvest began. Grasshopper infestations increasing. Cherry, strawberry harvest continued. Green pea, cucumber, leafy vegetable harvest underway. Ranges very short, hay supplies remain adequate.

**WEST VIRGINIA:** Temperatures averaged 1 to 50 below normal. Low 460 Romney; high 880 Clarksburg. Weekly average statewide 690. Precipitation average above normal across most areas, except northeast. Most rainfall Bluefield 2.60 in., least Martinsburg 0.27 in. Statewide average 1.10 in. Days worked 3.2. Soil moisture adequate to short. Harvesting hay, gardening, general maintenance. Feed supplies adequate.

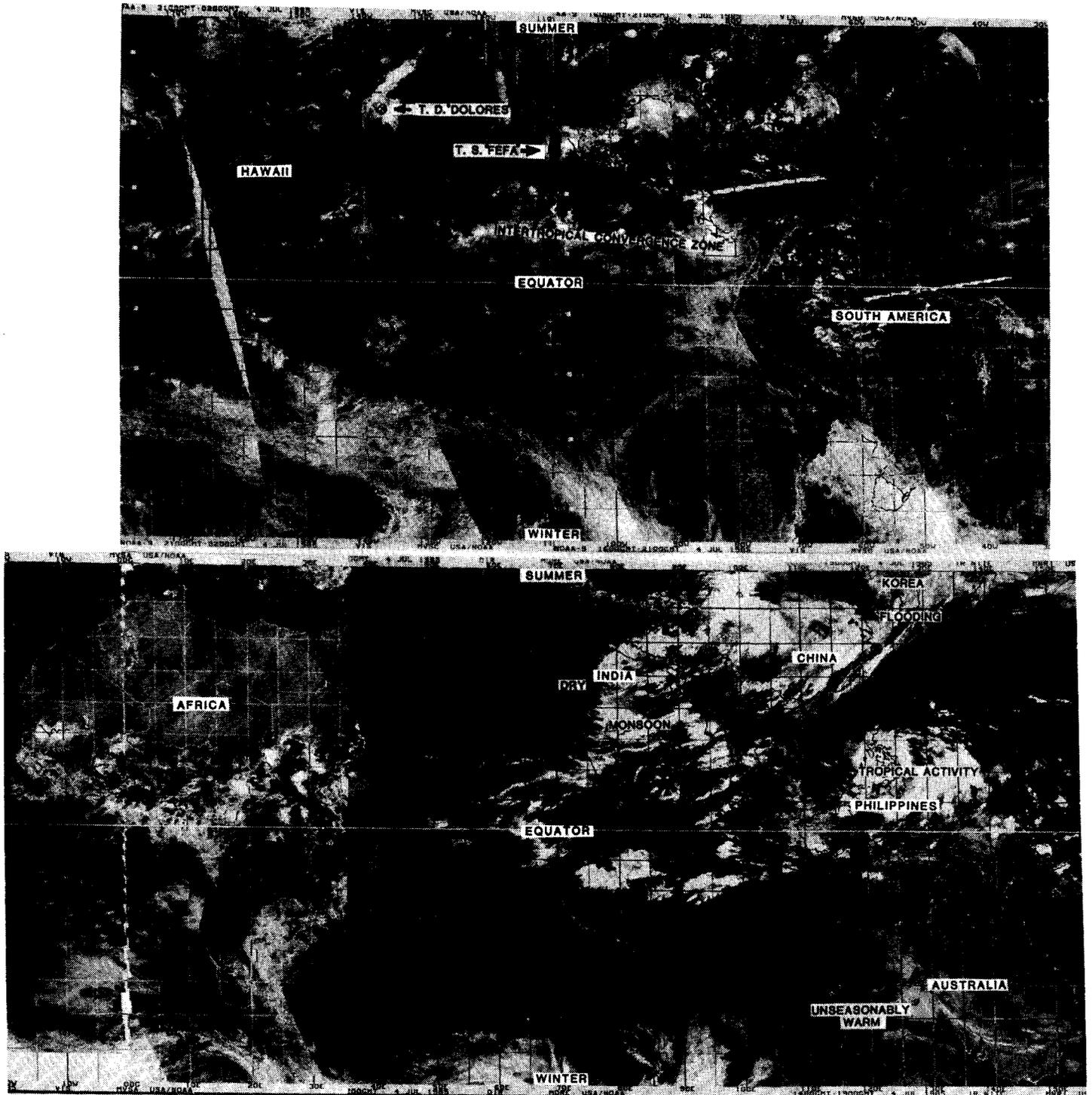
**WISCONSIN:** Average temperatures near normal. Precipitation 1.00 to 1.90 in. north, 0.50 to 1.40 in. central, 0.10 to 0.90 in. south, rainfall uneven within areas. Hail on 4th caused significant damage Columbia County, minor damage other areas. Days suitable for fieldwork 6.0. Soil moisture 64% short, 34% adequate, 2% surplus. General crop 2% very poor, 41% fair, 47% good, 1% excellent. Corn 4% poor, 28% fair, 55% good, 13% excellent. Corn silked 1%, none 1984, none avg. Corn height 36 in., 32 in. 1984, 29 in. avg. First cutting hay complete 97%, 93% 1984, 89% avg. Second cutting complete 15%, 7% 1984, 7% avg. Yields below average due to dryness. Oat heading 84%, 72% 1984, 73% avg.; turning color most areas. Winter wheat turned color all growing areas. Pasture condition 70% normal, 90% 1984, 85% avg.

**WYOMING:** Temperatures above normal. Precipitation below normal. Days suitable for fieldwork 7.0. Topsoil moisture 90% short, 70% 1984; 10% adequate, 30% 1984. Winter wheat 5% not yet headed, 20% 1984; 45% headed, 50% 1984; 10% turning color. Spring wheat 45% not headed, 55% 1984; 45% headed, 45% 1984, 50% avg.; 10% turning color. Oats 65% not headed, 65% 1984; 35% headed, 35% 1984, 35% avg. Sugarbeet thinning nearing completion. First cutting alfalfa 65% complete, 60% 1984, 45% avg. Other hays 25% cut, 25% 1984, 15% avg. Hail damage to crops 75% none, 70% 1984, 25% light, 20% 1984, 10% moderate 1984. Livestock 50% fair, 50% good. Range condition 55% poor, 45% fair. Stockwater 50% short, 50% adequate.



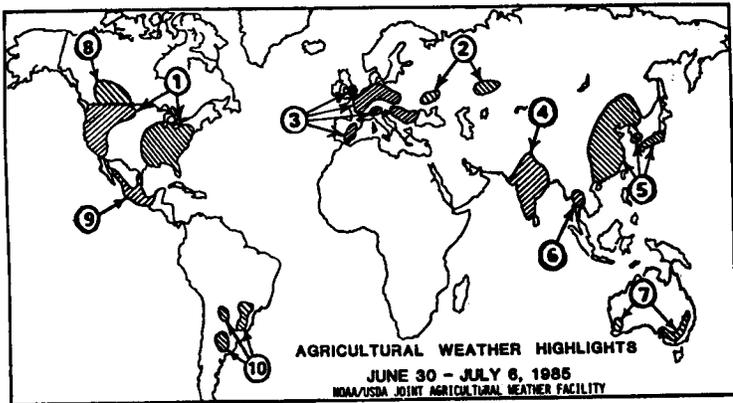
# GLOBAL WEATHER SATELLITE PHOTO

July 4, 1985



International Weather and Crop Summary

June 30 - July 6

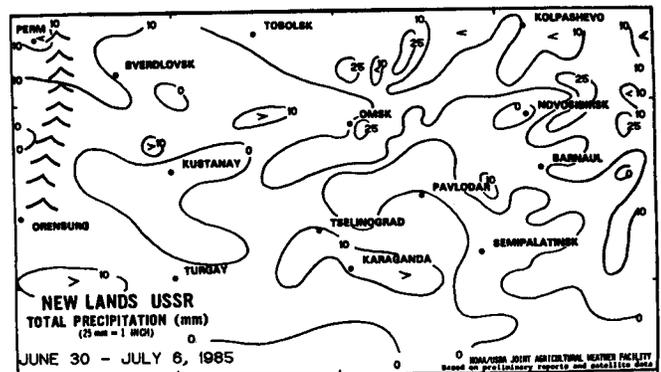
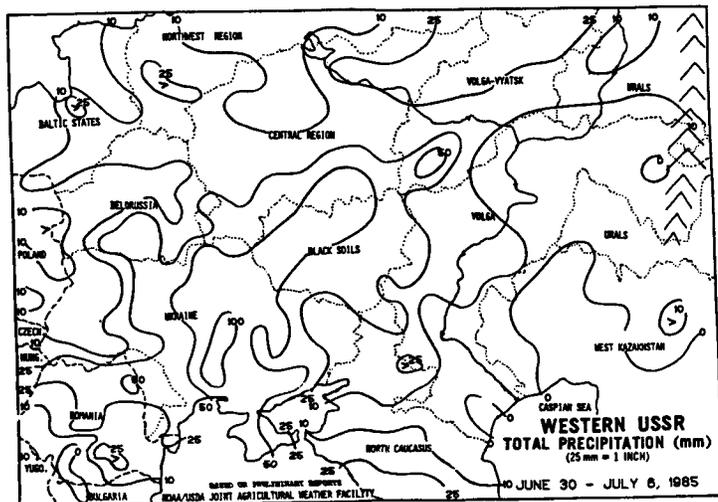


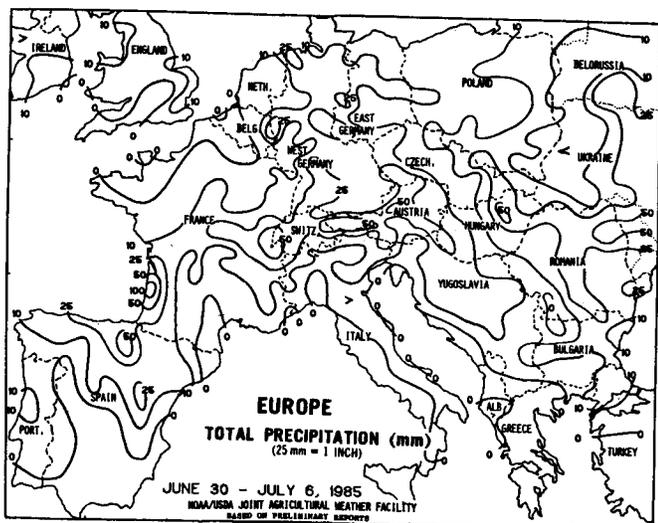
**USSR...**Widespread showers followed fair weather over Western USSR. Heaviest precipitation (50-100mm) covered crops in the central Ukraine, western Black Soils Region, and the southern portion of the Central Region. The heavy rain in these areas likely produced localized flooding and lodged crops, especially in the central Ukraine where thunderstorms produced over 100mm of rain along with gusty winds. Drier weather benefited crops in the western Ukraine, while soaking rains (25-50mm) benefited crops in the eastern Black Soils Region. Light showers (10-25mm) covered the North Caucasus and Volga Valley. Weekly temperatures were 4C below normal in most areas. Winter grains are likely maturing over the southern half of the region and grain filling in the north. Spring grains are mostly in the grain filling stage in the south and in the heading stage across the north.

In the New Lands, widely scattered showers (less than 10mm) covered western and southern spring wheat areas. Crop areas around Omsk received the first significant precipitation since early June (10-25mm). In the southwest, temperatures this past week were lower than last week's unfavorable high readings. However, daily maximum temperatures were around 30C, keeping crop moisture requirements at high levels. Spring grains are likely heading in the southern Urals and western Kazakhstan. Unseasonably warm, dry weather in these areas is likely reducing yield prospects.

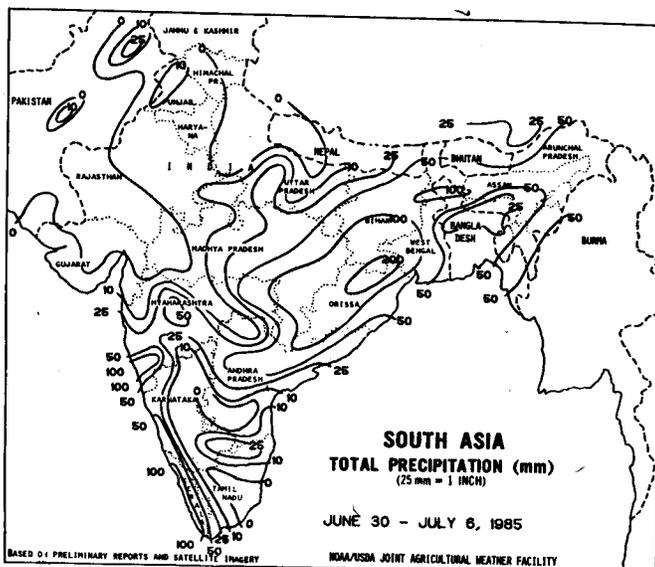
HIGHLIGHTS:

1. **UNITED STATES** ... Scattered showers maintain adequate soil moisture across most of the eastern half of the Nation, but cooler than normal temperatures slow crop development. Unseasonably hot, dry weather accelerates maturation of small grains through the northern Plains and Pacific Northwest. Fires damage forest, rangeland vegetation, and buildings in parts of the West.
2. **USSR** ... Heavy rain in the central Ukraine likely causes localized flooding and lodges crops. In the New Lands, unseasonably warm, dry weather in the southern Urals and western Kazakhstan is reducing spring grain yield prospects.
3. **EUROPE** ... Weather conditions were mostly favorable for crop growth.
4. **SOUTH ASIA** ... Moderate rain benefits most eastern rice areas. Drier weather in the west allows flooding to recede.
5. **EASTERN ASIA** ... Heavy rain and flooding continue in South Korea and Japan as unfavorable dry weather continues in the North China Plain.
6. **SOUTHEAST ASIA** ... Moisture is adequate for Thailand's rice and corn, but recent rainfall has been below average. Substantial rain fell again over Luzon, Philippines.
7. **AUSTRALIA** ... Light showers benefit late wheat planting, but many areas remain too dry.
8. **CANADA** ... Warm, dry weather stresses crops advancing through reproduction in the southwestern Prairies. Light rain and warm weather benefits crop development in the north and east.
9. **MEXICO** ... Beneficial rain continues over southern Plateau corn and beans, while unusually hot, dry weather prevails over northwestern crops and watersheds.
10. **SOUTH AMERICA** ... Rain aids wheat planting in central Argentina, but dryness persists over southern wheat areas. Rain saturates Brazil's southern wheat but benefits crop development in Parana.

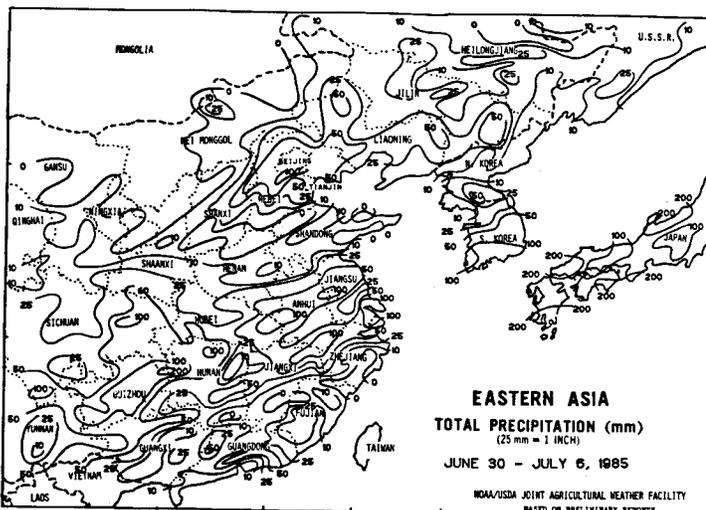




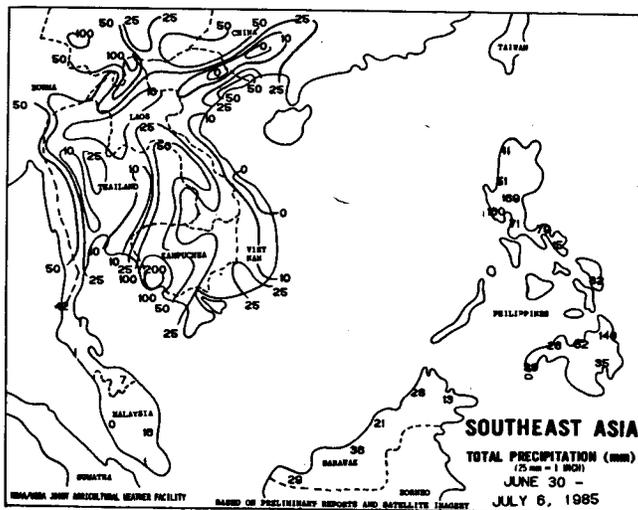
**EUROPE...** Generally dry weather covered winter grains in northern France and England, but moisture supplies were adequate to meet crop needs. Showers (10-25mm) continued West Germany's wet pattern, while drier weather favored crops in Poland. Crop areas in Hungary and Romania received widespread showers (around 25mm). Although the precipitation in these areas benefited summer crops, drier weather is needed for winter grain maturation and harvesting. In Mediterranean crop areas, dry weather aided harvesting. However, light showers in northern Spain may have caused brief harvest delays. Weekly temperatures were near-to-above normal in the west and below normal in the east.



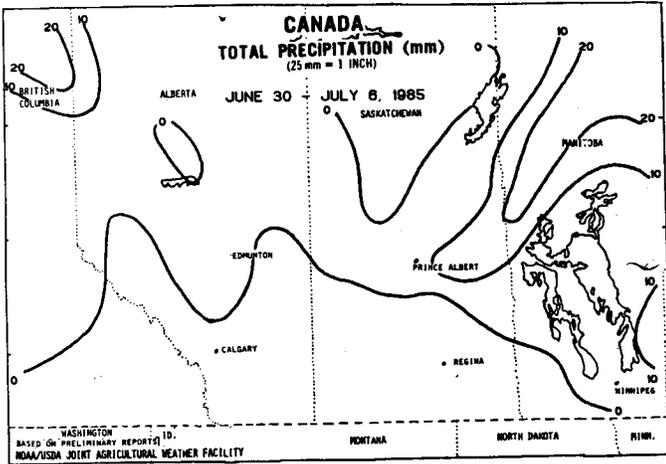
**SOUTH ASIA...** Moderate to heavy rain (25-100mm) benefited the eastern rice region. Autumn rice planting normally continues through July, while winter rice is usually planted during July and August. Rainfall decreased along the west coast, allowing the area to recover from last week's extremely heavy rain and flooding. Variable rain fell in the southern cotton and groundnut region benefiting planting. Little or no rain fell in Gujarat and western Madhya Pradesh where more rain is needed for cotton and groundnut planting during July and August.



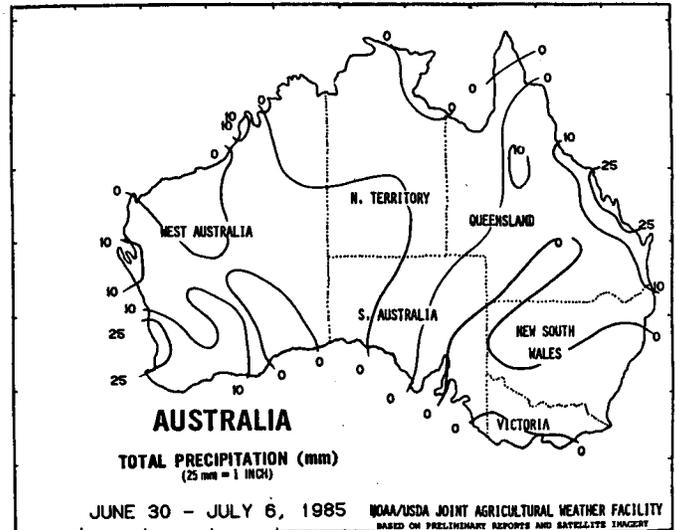
**EASTERN ASIA...** A nearly stationary frontal system stretched across central China, South Korea, and Japan producing moderate to heavy rain. Heavy rain (100-150mm) in southern South Korea and Japan aggravated last week's flooding. Relatively dry weather in southern China benefited maturing early rice. Heavy rain, as much as 100mm, fell in and around Beijing. However, most of the North China Plain remained drier than normal. Nonirrigated cotton, corn, and soybeans in the reproductive stage are being stressed by the dry weather. Variable rain in the northeast benefited corn and soybeans in the reproductive stage.



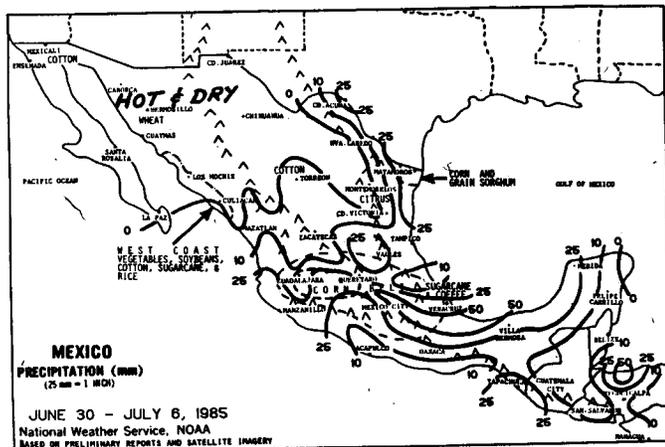
**SOUTHEAST ASIA...** Thailand's weekly rainfall decreased to below average throughout most of the country, with heavier rain concentrated mostly over extreme eastern Thailand, central Laos, and southern Kampuchea. Rainfall in Thailand's major corn and rice growing areas averaged 10-35mm, but amounts varied considerably. While northern and eastern Thailand generally benefited from seasonal rain in recent weeks, below-average rain fell in south-central rice and corn areas. Soil moisture is sufficient, but warm weather has increased the moisture demand of rainfed crops. Substantial rain (40-160mm) fell over Luzon in the Philippines with the heaviest amounts occurring over the central portion of Luzon. However, these amounts were less than the inundating rains of the previous week.



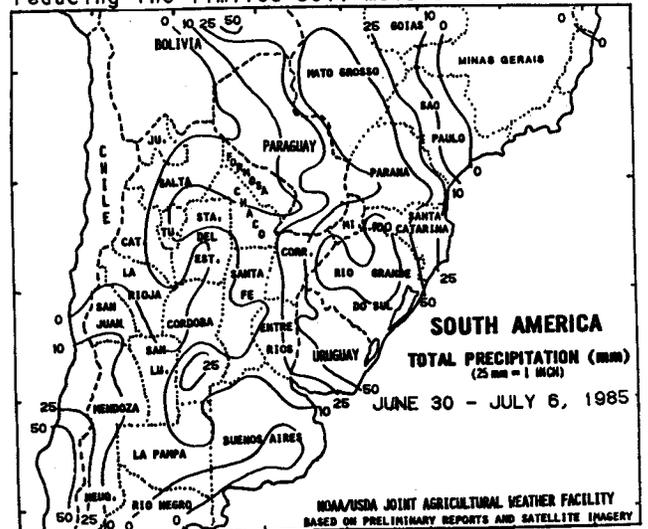
**CANADA...** Dry weather prevailed again over southern Saskatchewan and most of Alberta. Temperatures averaged 2-4C above normal throughout the region, stressing crops which are advancing through reproduction. Crops are deteriorating in the southwestern Prairies grain belt, with the warmer weather aggravating moisture depletion. Crops rated poor in southern Alberta and fair in southern Saskatchewan. During the period of reproduction, plants are extremely susceptible to injury by moisture stress and excessive heat. Elsewhere, light showers (mostly less than 10mm) fell over northern and eastern portions of the grain belt. Crops rated mostly good to excellent across northern Alberta, northern Saskatchewan, and Manitoba. Recent warmer weather promoted crop development in these areas where moisture supplies are adequate.



**AUSTRALIA...** Following an extended dry period, light showers (3-10mm) in the Queensland and northern New South Wales wheat regions moistened topsoils for the first time since early June. Additional rain will be essential to complete planting and to establish late planted wheat. Mostly dry weather continued in the wheat areas of South Australia, Victoria, and southern New South Wales. Moderate rain (5-25mm) benefited early growth of wheat in Western Australia, with the lightest rain falling in the northern wheat areas. Temperatures averaged above normal across nearly the entire wheat belt, further reducing the limited soil moisture.



**MEXICO...** Abundant rain continued over southern Plateau corn and beans, maintaining good crop prospects. Rain also doused northeastern corn and grain sorghum, slowing harvest of the early varieties but aiding the late, immature ones, citrus, and some vegetables. Unseasonably dry weather prevailed over most northwestern watersheds. So far, the rainy season has not been well established over this area, and more than usual irrigation has probably been required under the current hot, dry pattern.



**SOUTH AMERICA...** Substantial rain (10-37mm) fell over a narrow band of central Argentina's wheat area, bringing much needed topsoil moisture for crop planting. Southern Cordoba, northeastern La Pampa, southern Santa Fe, and extreme northeastern Buenos Aires benefited from the recent showers, which extended into Uruguay and covered most of Brazil's wheat area. Locally heavy rain (100-166mm) fell in Rio Grande do Sul, while soaking rain (25-90mm) fell over the other major wheat producing state of Parana and Mato Grosso do Sul. Rainfall diminished in Sao Paulo's citrus area, and dry weather favored Brazil's coffee harvest in Minas Gerais. Unfavorable dry weather continued over Argentina's southern wheat areas of Buenos Aires and eastern La Pampa, hampering planting progress. Cooler weather moved into Argentina late in the week.

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Heating Degree Days (Base 65° F.)

June 1985

ALA. Birmingham . . . . . 0	MAINE. Caribou . . . . . 198	OKLA. Okla. City . . . . . 0	GA. Atlanta . . . . . 1	Valentine . . . . . 116	Lubbock . . . . . 3
Mobile . . . . . 0	Portland . . . . . 115	Tulsa . . . . . 0	Augusta . . . . . 0	NEV. Ely . . . . . 98	Midland . . . . . 1
Montgomery . . . . . 0	MD. Baltimore . . . . . 10	OREG. Astoria . . . . . 252	Macon . . . . . 0	Las Vegas . . . . . 0	San Angelo . . . . . 0
ALASKA. Anchorage . . . . . 388	MASS. Boston . . . . . 71	Burns . . . . . 190	Savannah . . . . . 0	Reno . . . . . 45	San Antonio . . . . . 0
Barrow . . . . . 859	Chatham . . . . . 107	Medford . . . . . 37	IDAHO. Boise . . . . . 53	Winnebucca . . . . . 49	Victoria . . . . . 0
Fairbanks . . . . . 215	MICH. Alpena . . . . . 197	Pendleton . . . . . 70	Lewiston . . . . . 47	W.H. Concord . . . . . 106	Waco . . . . . 0
Nome . . . . . 701	Detroit . . . . . 93	Portland . . . . . 62	Pocatello . . . . . 85	N.J. Atlantic City . . . . . 14	Wichita Falls . . . . . 0
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