

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

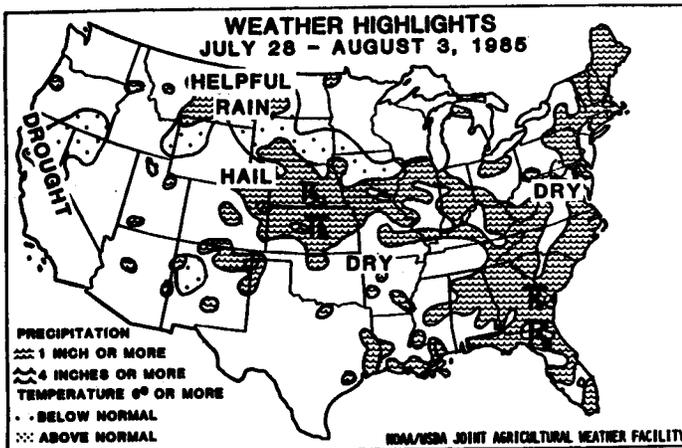
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Aug. 6, 1985

National Weather Summary

July 28 - August 3



HIGHLIGHTS: Violent thunderstorms produced heavy rain through eastern Montana and southwestern North Dakota, the central Plains, and in the Southeast. In spite of the devastating storms, the rain was welcome in the drought-ravaged Montana area. An isolated thunderstorm caused severe damage from heavy rain and hail at Cheyenne, Wyoming. Beneficial rain fell all along the east coast and the Corn Belt, but some areas remained dry. Temperatures were cooler than normal in most of the Nation.

SUNDAY... Showers and thunderstorms were widespread over the central and southern Plateau, central Rockies, and through the High Plains from the Texas Panhandle to Nebraska. Thunderstorms also covered the Southeast from Alabama through Virginia. Seasonal temperatures covered the Nation.

MONDAY... Thunderstorms covered the Plateau and Rockies. Showers fell through Oregon, and very welcome heavy showers fell in southeastern Montana. Thunderstorms were severe from Kansas into the Dakotas. Thunderstorms also covered the Southeast from northern Florida to eastern Maryland and along the gulf coast.

TUESDAY... Rainshowers and thunderstorms covered the Pacific Northwest. Steady rain fell along the coasts of Washington and Oregon, and heavy thunderstorms were in the northern Rockies. Thunderstorms also covered the northern Plains and the Great Lakes region. Showers and thunderstorms continued along the gulf coast and the Southeast through Florida. Rather cool weather covered the northern Great Lakes region.

WEDNESDAY... Showers continued in the Northwest producing rather light amounts of rain. Light rain also fell with thunderstorms in the central and northern Plains. Showers and thunderstorms were widespread from the central Mississippi Valley to the Carolinas and to New England. Thunderstorms also covered the eastern gulf coast and through Florida.

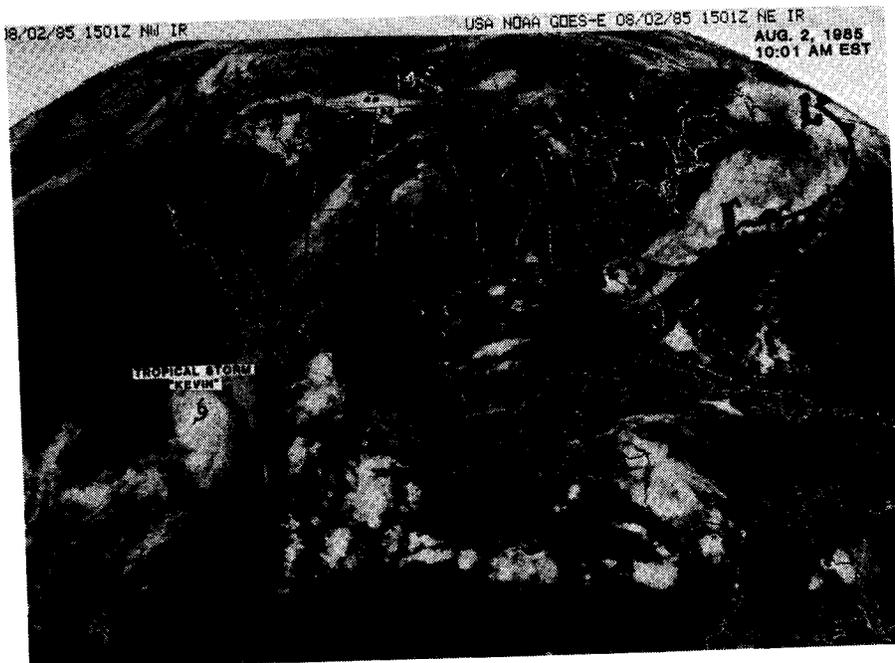
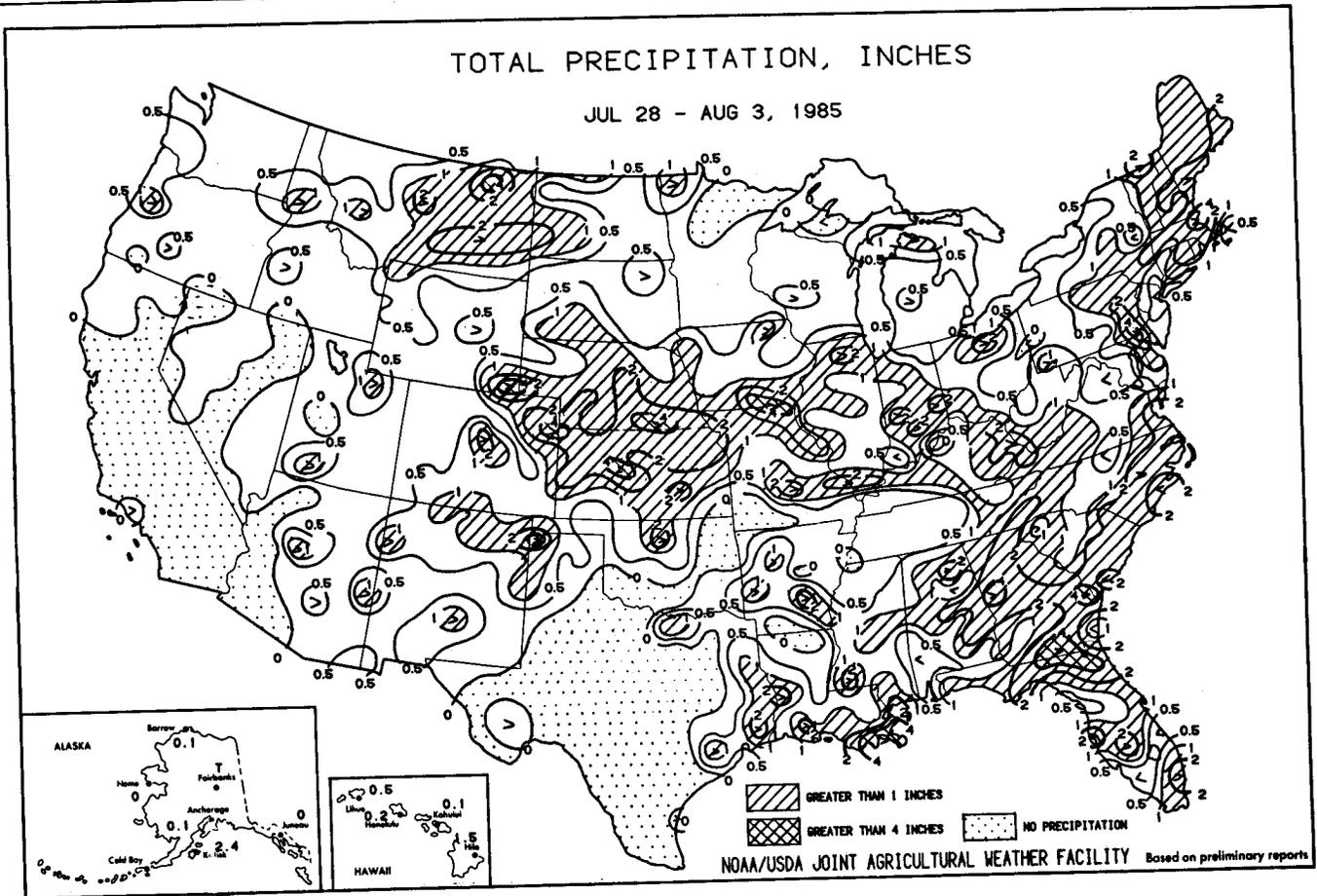
THURSDAY... Generally light but a few moderate showers continued in the Pacific Northwest. Tropical moisture, flowing over Mexico from the Pacific Ocean, resulted in light, occasionally moderate thundershowers from Arizona and New Mexico into the central Plains. A devastating thunderstorm dumped over 6 inches of rain on Cheyenne, Wyoming. Thunderstorms covered the Southeast from the lower Mississippi and Ohio River Valleys through Florida and the mid-Atlantic States.

FRIDAY... A cold front, moving through the Northwest, triggered moderate to heavy thunderstorms over most of Montana and into North Dakota. Lighter showers and thunderstorms spread from the Southwest into the central Plains. Thunderstorms continued along the gulf coast. Record cool temperatures were recorded around the Great Lakes.

SATURDAY... Thunderstorms were scattered in eastern Colorado and the northern Plains, but isolated storms produced violent weather. Later, heavy thunderstorms were concentrated in eastern Kansas and western Missouri. Thunderstorms were also reported all along the gulf coast and through Florida. Cool weather spread through the Lakes and over the East Coast States.

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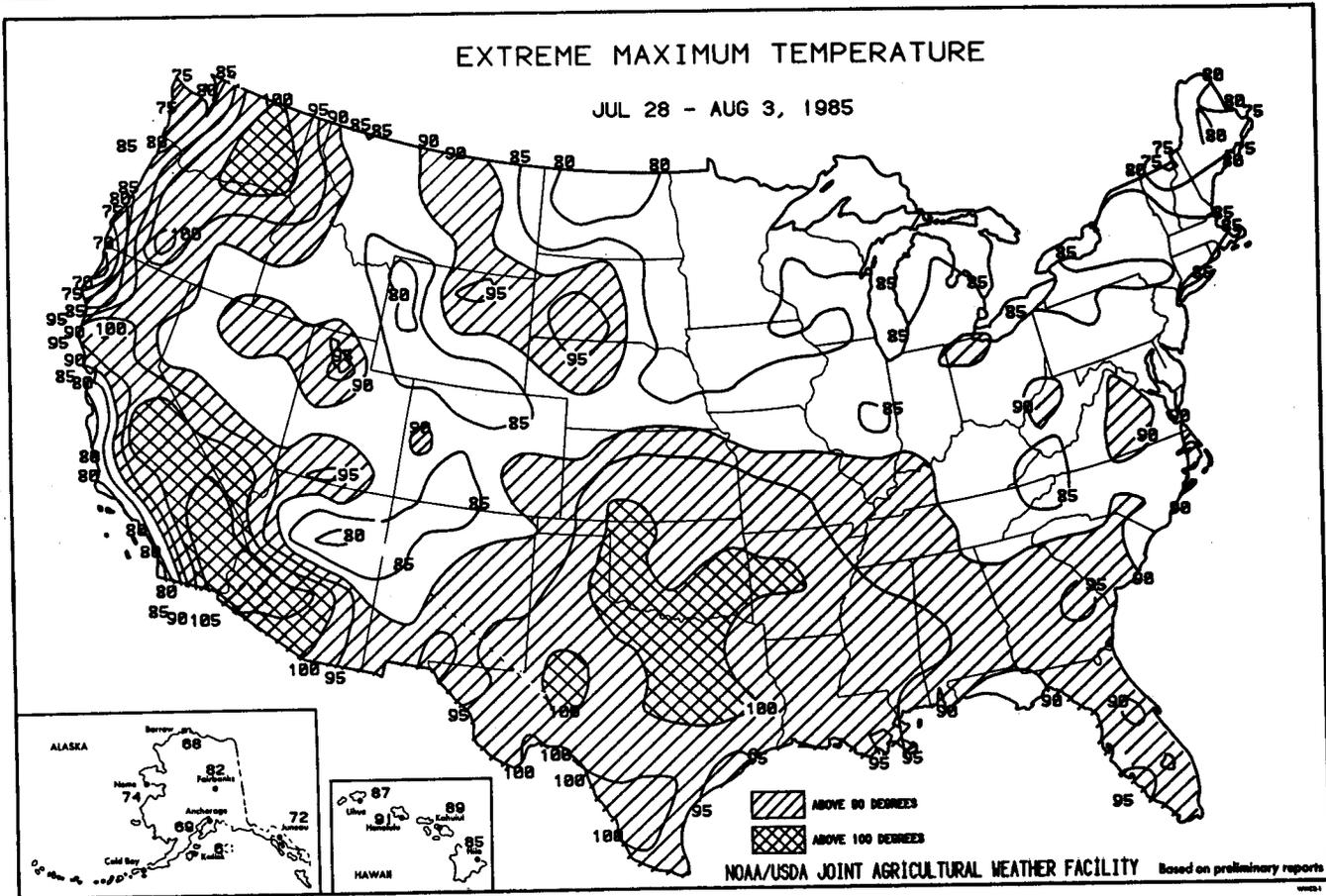
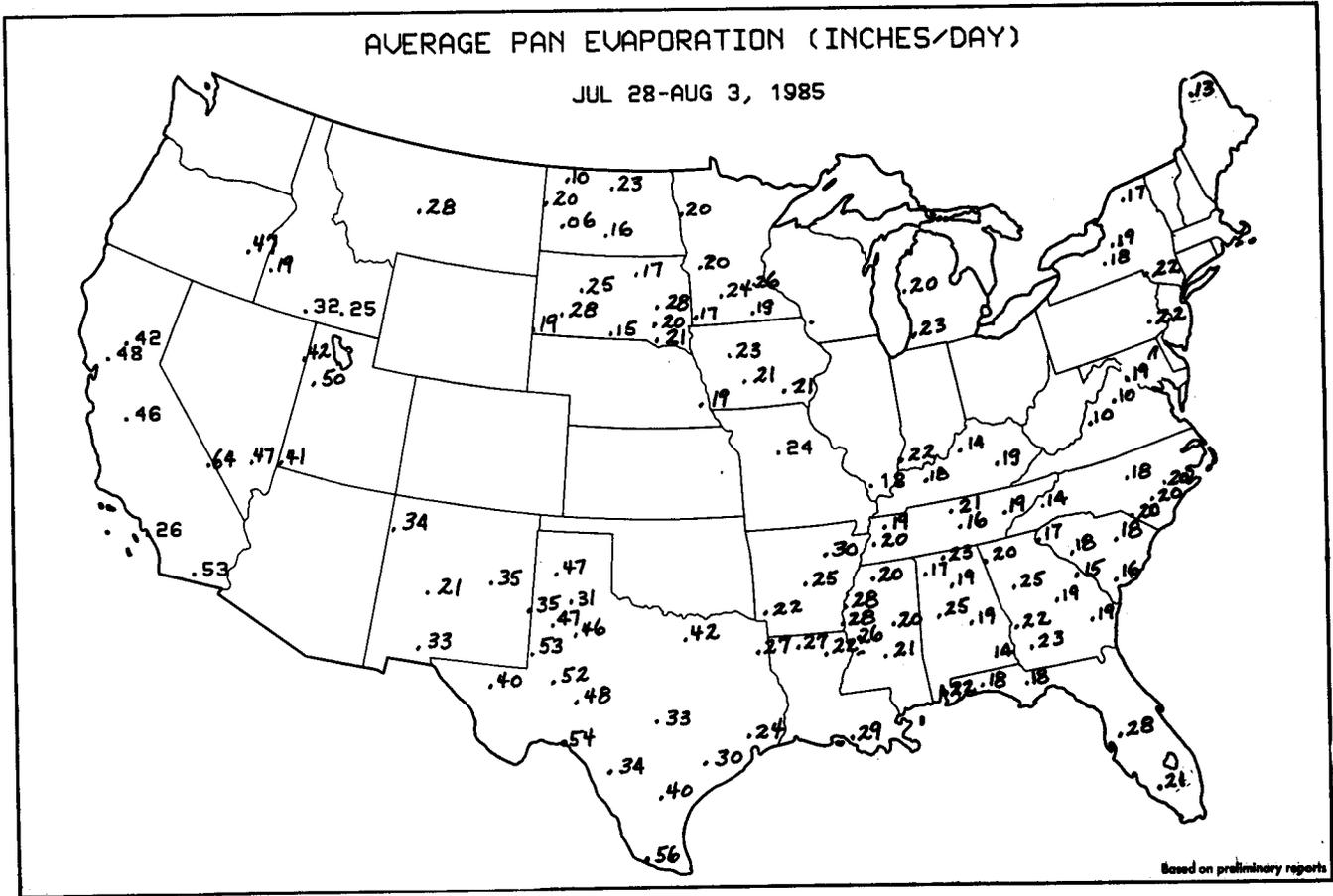


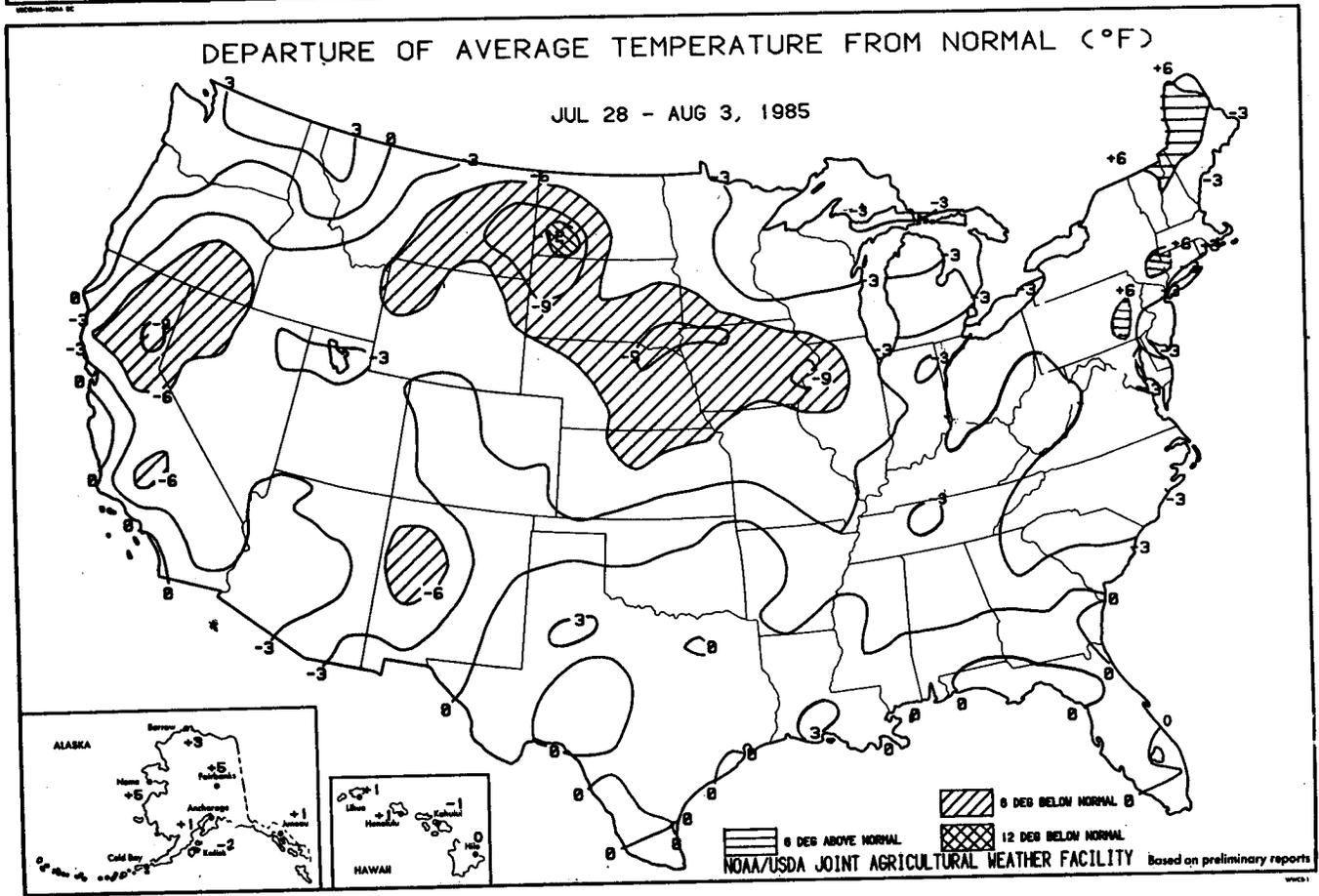
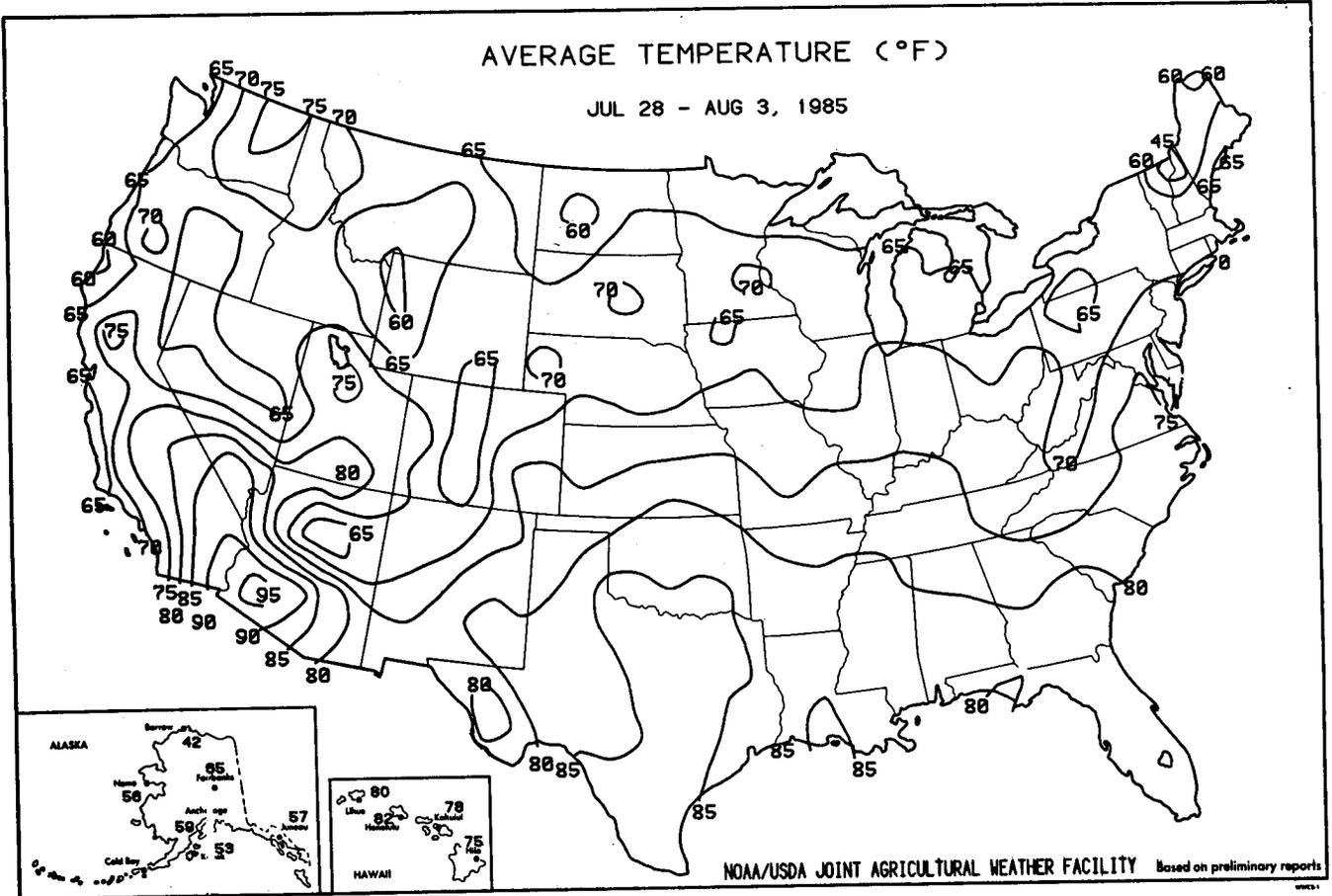
A LARGE HIGH PRESSURE SYSTEM CENTERED IN WISCONSIN DOMINATES EASTERN UNITED STATES. A COLD FRONT OFF THE EAST COAST AND A QUASI-STATIONARY FRONT ACROSS THE SOUTH BOUNDS THE COOLER, DRYER AIR IN THE HIGH PRESSURE SYSTEM.

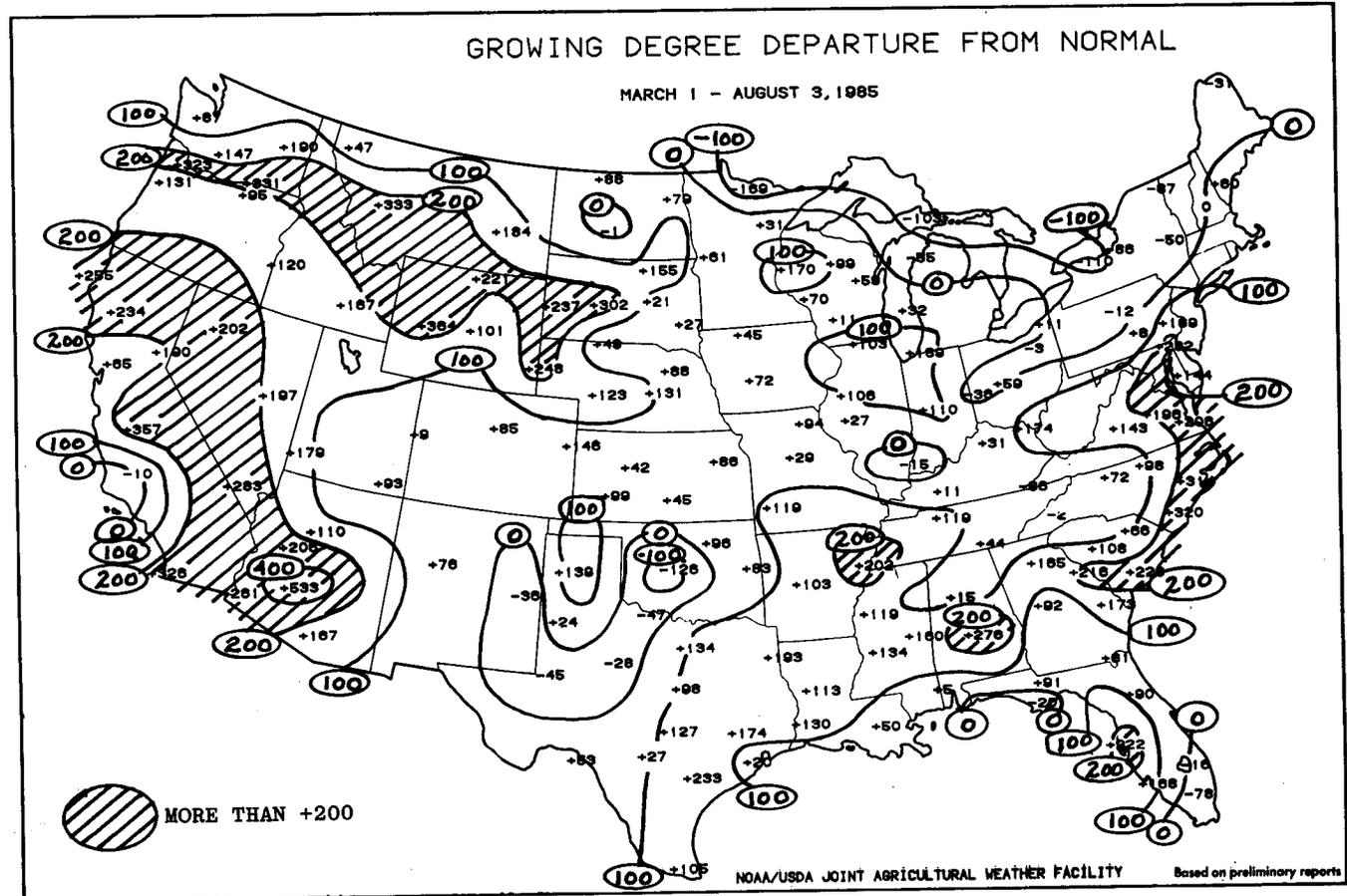
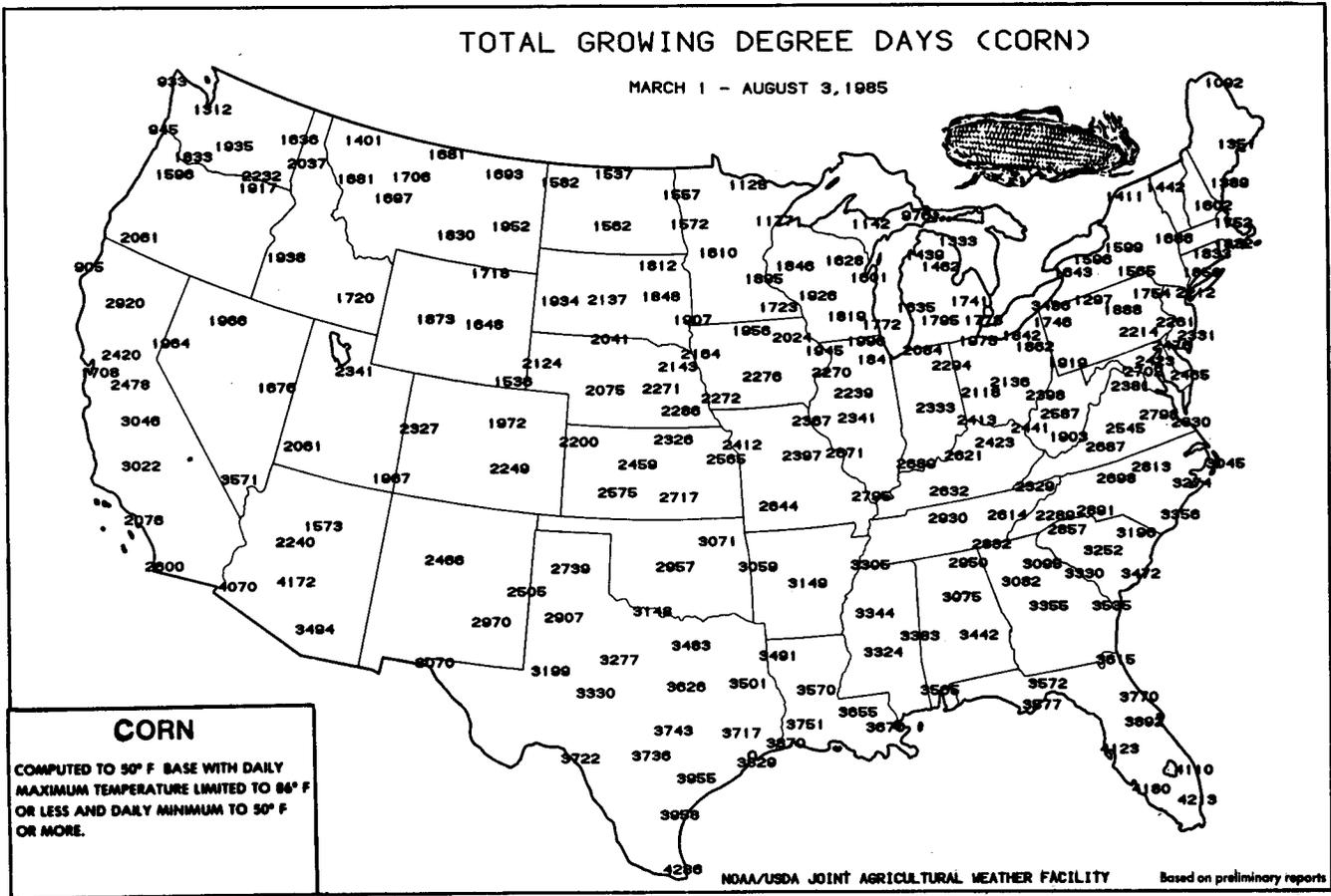
TROPICAL MOISTURE STREAMS NORTHWARD THROUGH ARIZONA AND NEW MEXICO TO TRIGGER THUNDERSTORMS IN THE CENTRAL PLAINS AND RAIN IN THE NORTHERN PLAINS.

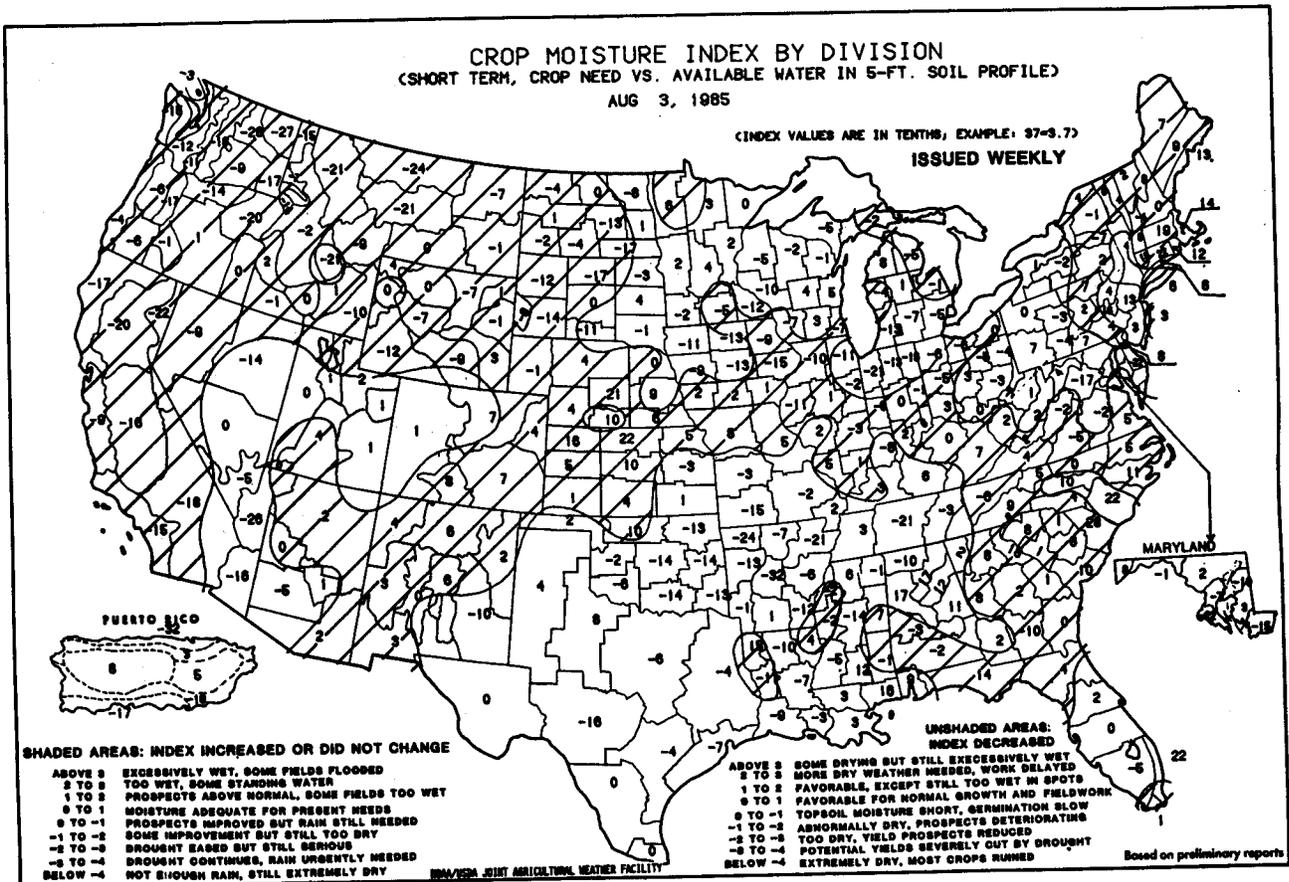
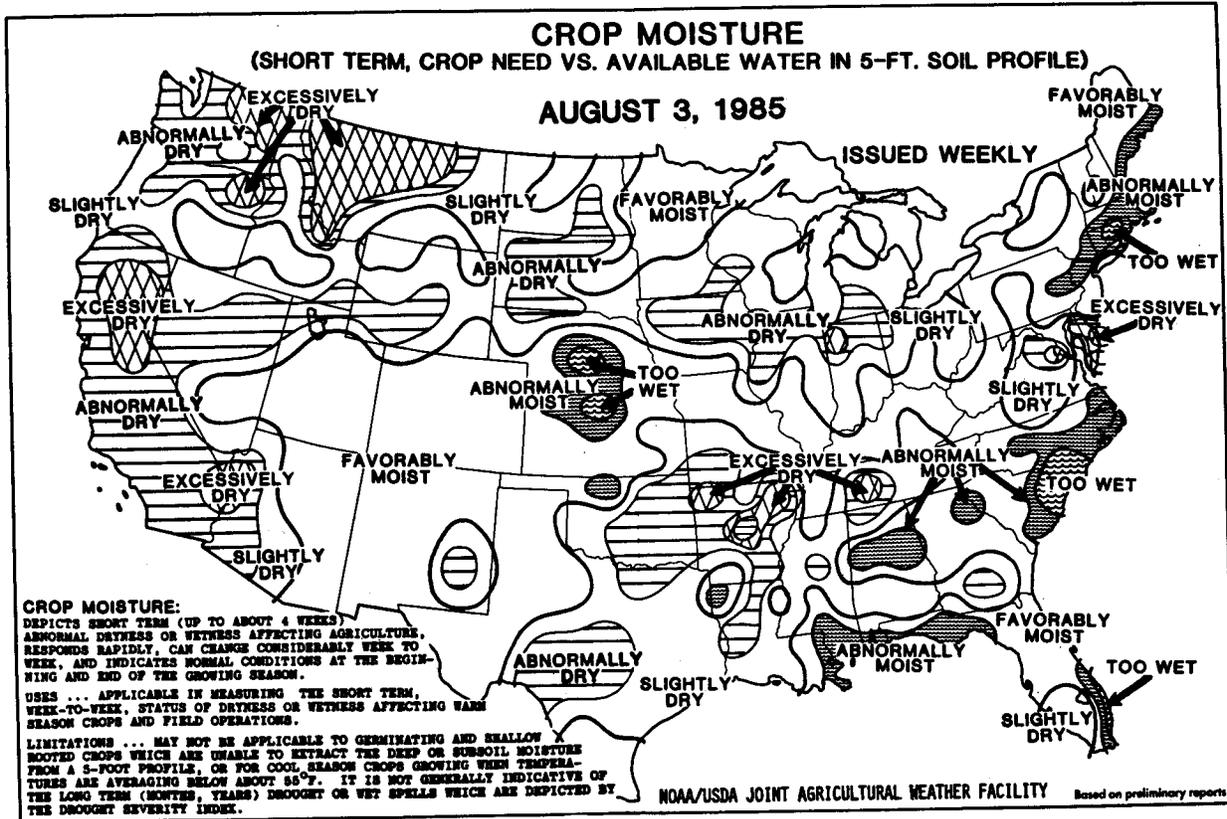
TROPICAL STORM "KEVIN" HAS DEVELOPED IN THE PACIFIC. THE STORM IS MOVING SLOWLY TO THE WEST-NORTHWEST AND IS CARRYING WINDS OF ONLY 45K; HOWEVER, THE STORM IS EXPECTED TO INTENSIFY.

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









Weather Data for the Week Ending August 3, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE JUNE 1	PCT. NORMAL SINCE JUNE 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	88	71	92	69	80	-1	.8	-.3	.7	15.7	166	33.7	95	99	66	2	0	3	1
MOBILE	90	73	94	72	82	-1	.4	-1.3	.2	12.4	92	36.3	90	92	56	4	0	3	0
MONTGOMERY	91	73	94	72	82	0	.6	-.3	.4	9.1	106	29.4	93	95	57	4	0	2	0
AK ANCHORAGE	65	53	69	48	59	1	.1	-.4	.1	2.0	62	6.3	91	90	55	0	0	1	0
BARROW	52	33	68	29	42	3	.1	-.1	.1	1.3	101	1.9	86	98	72	0	3	1	0
FAIRBANKS	77	53	82	50	65	5	T	-.4	T	3.0	90	5.2	95	81	35	0	0	1	0
JUNEAU	64	50	72	46	57	1	.4	-.6	.3	8.4	113	17.9	75	91	61	0	0	2	0
KODIAK	57	50	63	48	53	-2	2.4	1.4	1.5	17.1	221	44.9	115	97	80	0	0	6	1
NOME	68	45	74	35	56	5	0	-.6	0	2.6	71	6.4	94	95	57	0	0	0	0
AZ PHOENIX	102	83	108	80	93	1	-.1	-.1	.1	1.0	98	2.8	80	55	25	7	0	1	0
FRESNOCO	83	60	88	58	71	-1	1.9	1.0	1.5	3.4	85	8.6	85	93	42	0	0	3	1
TUCSON	93	72	100	70	82	-3	.5	-.2	.3	3.4	117	6.8	124	77	35	4	0	4	0
YUMA	105	81	107	77	93	-1	0	0	0	T	11	.3	25	68	20	7	0	0	0
AR FORT SMITH	95	72	102	69	84	1	0	-.7	0	4.8	68	26.9	110	86	42	5	0	0	0
LITTLE ROCK	93	70	101	66	82	0	T	-.6	T	4.1	63	23.6	81	84	43	6	0	0	0
CA BAKERSFIELD	91	63	100	59	77	-8	0	0	0	.4	550	2.0	51	71	26	4	0	0	0
EUREKA	65	55	67	52	60	3	.1	0	.1	1.1	154	11.6	52	95	74	0	0	2	0
FRESNO	92	63	101	60	78	-3	0	0	0	.4	411	3.4	48	74	24	3	0	0	0
LOS ANGELES	74	62	76	60	68	-2	0	0	0	T	0	3.5	42	81	54	0	0	0	0
RED BLUFF	88	62	99	54	75	-7	.2	.2	.2	.4	86	5.3	41	75	27	3	0	1	0
SACRAMENTO	85	56	99	54	71	-5	0	0	0	.2	94	4.4	41	95	35	2	0	0	0
SAN DIEGO	77	69	79	67	73	1	0	0	0	.2	229	2.4	39	77	59	0	0	0	0
SAN FRANCISCO	74	57	86	55	66	3	T	0	T	.3	229	6.9	55	91	53	0	0	0	0
CO DENVER	81	60	87	57	70	-4	.3	-.1	.1	5.3	143	11.2	108	80	39	0	0	3	0
GRAND JUNCTION	87	63	90	59	75	-4	.4	.2	.2	1.8	187	6.4	145	72	25	2	0	4	0
PUEBLO	86	62	92	60	74	-3	.7	.2	.6	5.4	169	10.0	145	91	40	2	0	5	1
CT BRIDGEPORT	79	63	87	59	71	-4	1.7	.8	1.7	10.6	159	21.3	89	88	49	0	0	1	1
HARTFORD	81	57	88	52	69	-4	1.0	.3	1.0	8.1	119	17.0	68	86	40	0	0	1	1
DC WASHINGTON	84	69	91	62	77	-3	.4	-.6	.4	5.0	65	17.9	78	93	48	2	0	3	0
FL APALACHICOLA	88	73	90	71	80	-2	2.5	.9	1.4	13.4	106	27.0	90	93	68	2	0	7	1
DAYTONA BEACH	90	73	93	70	81	0	1.7	.5	1.1	10.8	87	20.2	76	94	60	5	0	3	2
JACKSONVILLE	89	73	92	72	81	0	1.6	.1	.7	10.9	87	19.5	63	94	62	4	0	6	1
KEY WEST	89	77	89	74	83	-2	1.0	.2	.6	4.6	50	22.3	119	90	64	0	0	5	1
MIAMI	90	74	92	69	82	-1	4.0	2.7	2.6	21.5	137	29.7	95	90	56	4	0	3	2
ORLANDO	93	73	95	70	83	0	.7	-.9	.4	12.3	78	23.8	79	96	52	6	0	4	0
TALLAHASSEE	87	73	90	71	80	-2	3.5	1.7	1.7	18.8	117	31.5	78	99	71	1	0	6	3
TAMPA	91	75	92	73	83	1	2.1	.3	2.0	14.9	111	22.0	81	93	57	7	0	3	1
WEST PALM BEACH	89	74	90	72	81	-1	1.0	-.1	.8	16.6	115	29.5	93	96	59	1	0	4	1
GA ATLANTA	84	70	91	67	77	-2	2.6	1.6	1.8	12.3	144	30.8	96	90	62	1	0	3	1
AUGUSTA	89	71	96	63	80	-1	.9	-.1	.3	6.7	78	20.6	72	92	55	4	0	4	0
MACON	88	72	94	67	80	-2	2.3	1.4	1.9	7.4	85	21.5	72	93	59	3	0	5	1
SAVANNAH	90	74	95	71	82	0	2.4	.7	1.0	12.9	93	20.2	64	90	57	4	0	6	2
HI HILO	82	69	85	66	75	0	1.5	-.8	.5	12.4	79	79.8	107	97	65	0	0	6	1
HONOLULU	89	74	91	73	82	1	.2	0	.2	.5	48	8.3	60	83	48	2	0	1	0
KAHULUI	86	70	89	67	78	-1	.1	0	.1	.2	29	6.1	47	93	55	0	0	2	0
LIHUE	85	74	87	73	80	1	.5	0	.1	1.3	33	15.5	63	82	58	0	0	7	0
ID BOISE	82	58	91	47	70	-5	.9	.8	.8	1.3	104	5.5	74	77	29	1	0	2	1
LEWISTON	88	61	101	56	75	-1	.6	.5	.6	1.7	84	5.4	69	69	27	3	0	2	1
POCATELLO	81	51	88	46	66	-6	.2	.1	.2	1.6	100	6.3	91	79	26	0	0	3	0
IL CHICAGO	78	58	90	50	68	-5	1.1	.3	.9	5.7	71	19.7	97	95	52	1	0	2	1
MOLINE	79	59	88	51	69	-6	1.3	.3	.8	5.6	58	19.6	83	99	55	0	0	2	1
PEORIA	80	61	87	56	70	-5	.8	0	.5	8.6	105	22.2	102	92	53	0	0	2	1
QUINCY	79	62	86	56	71	-6	1.0	0	.6	5.5	63	17.3	76	98	67	0	0	2	1
ROCKFORD	78	58	88	51	68	-5	1.9	1.0	1.6	6.5	68	17.5	77	96	49	0	0	2	1
SPRINGFIELD	81	61	86	55	71	-5	.9	.1	.9	8.8	116	19.8	93	97	54	0	0	2	1
IN EVANSVILLE	88	66	94	59	77	-1	.2	-.7	.2	6.0	77	24.9	93	80	47	4	0	1	0
FORT WAYNE	85	61	90	57	73	0	.5	-.3	.5	4.4	60	17.7	83	83	39	1	0	3	0
INDIANAPOLIS	82	61	87	56	72	-3	1.1	.2	1.1	7.1	82	25.4	102	94	49	0	0	1	1
SOUTH BEND	80	60	86	53	70	-2	.4	-.5	.4	6.7	84	20.9	93	85	44	0	0	1	0
IA DES MOINES	79	64	87	58	72	-5	.8	0	.8	5.8	74	13.5	70	88	55	0	0	1	1
SIOUX CITY	77	60	88	55	69	-7	1.6	.9	1.4	3.0	39	13.9	84	94	57	0	0	4	1
WATERLOO	77	59	85	52	68	-5	.3	-.7	.3	6.0	64	14.5	69	95	54	0	0	1	0
KS CONCORDIA	82	65	93	63	74	-7	2.7	2.0	1.7	7.0	88	16.7	95	93	64	1	0	4	2
DODGE CITY	88	67	101	64	77	-3	.9	.3	.4	6.7	106	12.7	91	89	52	3	0	4	0
GOODLAND	80	65	87	63	73	-4	2.4	1.9	1.0	10.9	203	17.5	156	94	61	0	0	5	3
TOPEKA	83	65	93	57	74	-5	3.3	2.5	3.2	11.3	118	23.8	115	97	58	1	0	3	1
WICHITA	88	70	98	65	79	-3	1.4	.8	.9	9.2	116	17.5	99	90	57	4	0	3	1
KY BOWLING GREEN	85	67	89	62	76	-2	1.6	.7	1.3	9.2	100	22.1	70	96	58	0	0	3	1
LEXINGTON	83	64	88	57	73	-3	.8	-.2	.7	9.0	94	22.4	76	93	59	0	0	2	1
LOUISVILLE	86	66	90	60	76	-2	T	-.9	T	7.8	97	22.1	80	92	56	1	0	0	0
LA ALEXANDRIA	92	74	95	72	83	0	1.1	.1	1.1	10.1	112	30.5	85	94	59	6	0	1	1
BATON ROUGE	92	75	95	73	84	2	.9	-.7	.9	13.7	127	32.7	93	84	44	6	0	1	1
LAKE CHARLES	93	75	99	73	84	2	.7	-.6	.4	6.0	58	24.7	80	97	55	7	0	2	0
NEW ORLEANS	91	74	93	73	82	0	T	-.1	T	11.5	96	35.9	98	87	55	5	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending August 3, 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		PRECIPI- TATION		
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	94	77	99	74	85	2	.1	-.6	.1	13.0	176	29.1	104	89	51	7	0	1	0	0
ME CARIBOU	71	50	80	45	60	-5	.9	0	.4	8.3	109	18.2	91	93	51	0	0	4	0	2
PORTLAND	76	54	83	52	65	-4	2.6	2.0	1.8	6.9	112	15.9	64	91	44	0	0	2	0	1
MD BALTIMORE	86	64	95	57	75	-2	.3	-.7	.3	5.0	62	18.8	76	89	41	2	0	1	0	1
SALISBURY	81	64	86	56	73	-5	1.0	-.2	1.0	5.7	69	17.4	68	100	65	0	0	2	2	2
MA BOSTON	76	62	88	58	69	-5	4.6	3.9	3.6	11.1	187	21.2	85	93	52	0	0	0	0	0
CHATHAM	72	60	80	54	66	-3	.1	-.8	0	9.6	159	24.2	92	98	42	0	0	2	2	1
MI ALPENA	77	51	84	45	64	-3	1.2	.5	1.1	4.8	73	17.3	103	98	42	0	0	0	0	1
DETROIT	80	60	88	54	70	-2	.3	-.4	.2	5.6	82	21.7	115	92	42	0	0	2	2	0
FLINT	80	54	88	45	67	-3	.3	-.4	.3	4.5	71	19.9	114	92	43	0	0	1	0	0
GRAND RAPIDS	78	55	86	50	67	-5	.3	-.5	.1	4.0	65	15.5	97	90	39	0	0	2	1	0
HOUGHTON LAKE	77	52	82	44	64	-3	.1	-.5	.1	5.2	79	18.7	106	94	50	0	0	2	0	0
LANSING	78	54	86	46	66	-5	.1	-.5	.1	5.3	71	25.9	119	93	43	0	0	0	0	0
MARQUETTE	76	47	85	41	62	-3	.3	-.3	.3	4.3	82	17.2	98	85	46	0	0	1	0	0
MUSKEGON	77	57	83	50	67	-4	.3	-.3	.3	4.9	75	21.8	98	122	99	53	0	0	1	1
SAULT STE. MARIE	76	48	81	46	62	-3	.5	-.2	.5	4.9	75	21.8	99	90	46	0	0	1	0	0
MN ALEXANDRIA	76	57	81	55	67	-4	.3	-.5	.3	5.4	73	15.1	99	96	46	0	0	1	0	0
DULUTH	75	51	80	44	63	-3	.3	-.9	.3	7.4	89	17.1	98	91	45	0	0	0	0	0
INT'L FALLS	76	51	82	43	63	-3	.3	-.8	.3	7.4	94	19.0	130	79	45	0	0	1	0	0
MINNEAPOLIS	81	61	84	58	71	-2	.1	-.7	.1	4.4	55	15.7	95	79	41	0	0	2	0	0
ROCHESTER	76	56	83	51	66	-5	.3	-.5	.3	3.5	42	10.8	62	80	43	0	0	1	0	0
MS GREENWOOD	92	72	96	68	82	0	.3	-.8	.3	3.5	42	18.3	53	99	54	5	0	3	1	0
JACKSON	91	69	96	66	80	-2	1.1	-.2	.9	7.1	91	26.0	77	99	52	5	0	0	0	0
MERIDIAN	90	71	96	69	81	-1	.3	-.7	.3	9.3	90	27.0	77	97	55	3	0	2	0	0
MO CAPE GIRARDEAU	87	68	94	62	77	-2	.2	-.6	.2	5.1	67	29.6	106	92	56	2	0	1	0	0
COLUMBIA	83	62	89	57	73	-5	.6	-.1	.5	12.2	161	30.5	136	96	53	0	0	4	1	1
KANSAS CITY	81	64	87	59	73	-7	2.6	1.7	2.0	11.4	122	25.9	119	95	62	0	0	3	1	1
SAINT LOUIS	84	66	91	61	75	-4	2.2	1.6	2.1	14.8	194	31.2	142	96	56	1	0	3	1	1
SPRINGFIELD	89	65	98	60	77	-2	.3	-.6	.3	8.8	104	28.6	119	88	42	3	0	0	0	0
MT BILLINGS	75	55	87	51	65	-8	2.2	2.1	1.0	3.7	123	8.0	80	90	47	0	0	7	1	1
GLASGOW	76	56	90	54	66	-6	5.0	4.6	2.9	5.7	134	9.4	116	88	47	1	0	2	2	2
GREAT FALLS	78	55	87	52	66	-4	.7	.4	.6	1.7	43	6.8	64	81	33	0	0	3	1	0
HAVRE	82	56	94	53	69	-2	.4	.2	.4	1.0	28	4.2	55	81	38	1	0	0	1	0
HELENA	78	57	88	53	68	-1	.4	.2	.4	.6	18	2.7	35	70	32	0	0	3	0	0
KALISPELL	82	57	88	47	70	4	.3	-.2	.3	1.8	55	6.3	66	70	33	0	0	0	0	0
MILES CITY	76	56	87	54	66	-10	2.6	2.3	1.0	5.0	116	8.2	85	89	49	0	0	3	3	3
MISSOULA	83	59	90	54	71	3	.6	.5	.6	1.1	38	4.5	53	72	36	2	0	1	1	1
NE GRAND ISLAND	74	63	85	61	69	-8	1.2	.7	.9	7.4	111	18.1	114	93	68	0	0	5	1	1
LINCOLN	77	63	86	59	70	-8	1.1	.4	.7	13.5	183	22.5	128	98	70	0	0	4	1	1
NORFOLK	74	61	83	59	68	-8	.6	0	.4	6.3	80	16.5	99	93	66	0	0	4	0	0
NORTH PLATTE	78	62	90	59	70	-5	2.1	1.6	1.3	4.9	71	11.9	84	86	52	1	0	5	2	2
OMAHA	77	63	85	59	70	-6	1.0	.2	.9	5.4	67	14.7	79	91	71	0	0	2	1	1
SCOTTSBLUFF	83	59	91	55	71	-4	.6	.3	.3	2.6	51	5.8	53	96	45	1	0	4	0	0
VALENTINE	75	58	95	55	67	-9	1.3	.8	1.3	4.2	74	7.6	64	77	46	1	0	2	1	0
NV ELY	83	45	85	37	64	-4	.1	-.1	.1	1.1	70	4.5	78	63	17	0	0	0	0	0
LAS VEGAS	101	75	104	69	88	-2	0	-.1	0	.2	28	.8	33	23	9	7	0	1	0	0
RENO	84	48	93	42	66	-4	0	-.1	0	.1	18	2.1	44	68	16	2	0	2	0	0
WINNEMUCCA	83	48	90	37	65	-7	.2	.2	.2	.5	43	2.9	58	78	18	1	0	0	1	1
NH CONCORD	80	51	87	45	65	-4	1.2	.5	1.2	5.9	96	14.8	74	97	39	0	0	1	1	1
NJ ATLANTIC CITY	81	62	86	56	72	-3	.5	-.6	.5	5.9	82	18.0	74	95	51	0	0	0	0	0
NM ALBUQUERQUE	81	61	89	60	71	-8	.6	.3	.2	2.0	102	6.5	155	91	41	0	0	6	0	0
CLOVIS	91	65	93	63	78	0	1.1	.5	1.0	5.3	97	13.1	130	79	29	6	0	2	0	0
ROSWELL	93	69	94	67	81	0	.1	-.3	.1	4.3	172	9.3	211	78	30	7	0	3	0	0
NY ALBANY	79	56	86	49	67	-4	.4	-.3	.4	6.0	90	15.6	76	96	45	0	0	1	0	0
BINGHAMTON	76	57	83	53	66	-3	1.2	.4	1.2	6.9	94	16.8	78	85	44	0	0	1	1	0
BUFFALO	78	56	85	51	67	-4	.3	-.5	.3	5.0	83	21.8	107	86	40	0	0	1	0	0
NEW YORK	81	67	89	63	74	-3	.3	-.9	.3	10.2	140	21.1	85	92	50	0	0	1	0	0
ROCHESTER	79	54	89	50	66	-5	.2	-.5	.2	4.4	80	15.6	87	95	44	0	0	1	1	1
SYRACUSE	78	55	88	52	67	-4	.6	-.2	.6	5.5	71	16.7	74	96	48	0	0	1	1	1
NC ASHEVILLE	77	63	84	56	70	-4	2.0	1.0	.9	6.4	71	19.3	66	99	69	0	0	4	2	2
CHARLOTTE	82	67	88	60	75	-4	.5	-.4	.2	9.7	123	26.6	98	98	61	0	0	5	0	0
GREENSBORO	81	64	88	55	73	-5	.7	-.3	.4	6.6	76	20.7	80	97	61	0	0	4	2	2
HATTERAS	82	73	86	71	78	-1	3.3	2.0	1.4	9.9	98	26.6	88	94	69	0	0	4	3	3
NEW BERN	84	70	91	64	77	-3	2.1	.6	.6	11.4	91	26.0	83	99	64	1	0	4	3	3
RALEIGH	83	67	89	58	75	-3	.3	-.7	.2	9.3	110	24.2	94	91	58	0	0	3	0	1
WILMINGTON	85	72	91	64	78	-3	1.8	-.1	1.4	14.9	108	27.1	84	95	71	1	0	4	1	1
ND BISMARCK	73	54	86	49	63	-8	1.0	.6	.4	2.8	54	9.8	92	89	54	0	0	5	0	0
FARGO	76	56	81	47	66	-5	.7	-.7	.7	5.4	80	12.7	101	90	50	0	0	1	0	0
GRAND FORKS	77	51	82	43	64	-6	.8	.2	.8	3.6	60	10.6	93	87	46	0	0	1	1	1
WILLISTON	73	55	82	50	64	-7	.4	-.1	.3	2.9	62	6.9	73	75	44	0	0	3	0	0
OH AKRON-CANTON	81	58	86	53	70	-3	.5	-.4	.5	5.3	69	21.0	93	89	45	0	0	1	1	1
CINCINNATI	83	64	87	58	74	-3	.7	-.1	.7	8.2	94	26.5	102	87	49	0	0	1	1	1
CLEVELAND	80	59	88	51	69	-3	1.3	.5	1.3	6.1	85	20.3	94	88	48	0	0	1	1	1
COLUMBUS	82	60	88	53	71	-3	.4	-.5	.4	8.3	99	20.7	87	87	43	0	0	1	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending August 3, 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	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	82	59	88	53	70	-5	.8	.1	.8	4.8	64	19.6	88	82	41	0	0	2	1
TOLEDO	82	57	90	51	70	-2	.4	-.3	.2	6.8	96	20.9	108	92	47	0	0	2	0
YOUNGSTOWN	79	54	86	49	67	-4	.3	-.6	.3	8.9	112	21.5	94	96	49	0	0	1	0
OK OKLAHOMA CITY	95	72	98	66	83	0	.2	-.4	.2	9.7	135	27.8	140	82	43	7	0	1	0
TULSA	92	74	99	69	83	-1	0	-.7	0	10.0	120	32.1	134	84	49	4	0	0	0
OR ASTORIA	67	54	80	50	61	0	.9	-.7	.8	4.0	112	20.6	55	100	75	0	0	3	1
BURNS	77	57	87	47	68	-2	.2	-.1	.1	.3	24	3.5	95	79	49	0	0	2	0
MEDFORD	86	57	100	49	71	-2	T	-.1	T	.4	39	4.8	45	79	26	2	0	0	0
PENDLETON	83	59	100	55	71	-4	.4	.3	.3	1.2	113	4.8	69	64	29	2	0	2	0
PORTLAND	82	62	98	60	72	3	.6	.4	.4	2.9	145	10.3	51	86	44	1	0	2	0
SALEM	80	54	93	50	67	0	.3	.2	.3	2.7	170	11.7	53	95	42	1	0	1	0
PA ALLENTOWN	81	61	89	54	71	-3	1.6	-.6	1.6	12.5	156	23.2	90	91	47	0	0	1	0
ERIE	77	60	83	55	69	-1	.3	-.5	.3	8.2	112	23.2	107	87	49	0	0	1	0
HARRISBURG	79	60	85	53	70	-6	.2	-.5	.2	5.3	73	19.5	84	87	49	0	0	1	0
PHILADELPHIA	83	64	88	60	74	-3	.4	-.6	.4	6.6	80	18.0	73	91	47	0	0	1	0
PITTSBURGH	81	58	85	52	70	-3	T	-.8	T	6.3	84	19.9	86	85	44	0	0	0	0
SCRANTON	78	58	82	52	68	-4	1.2	-.5	1.2	8.9	125	21.5	106	93	47	0	0	1	0
RI PROVIDENCE	79	60	88	54	70	-3	3.3	2.4	2.1	10.8	175	23.3	91	96	48	0	0	2	2
SC CHARLESTON	86	72	92	66	79	-2	3.8	2.2	2.0	19.8	136	28.7	88	96	63	2	0	3	3
COLUMBIA	87	70	93	60	78	-3	.7	-.6	.5	11.6	112	27.0	86	100	58	2	0	3	1
FLORENCE	86	70	92	62	78	-3	2.0	.8	.9	10.2	94	21.5	77	99	58	2	0	4	2
GREENVILLE	82	66	89	57	74	-5	.8	0	.6	9.9	108	24.0	75	98	65	0	0	5	1
SD ABERDEEN	79	60	85	54	69	-4	.6	.1	.3	4.5	77	10.1	81	82	46	0	0	3	0
HURON	75	58	83	52	67	-9	.5	0	.5	7.1	122	15.0	116	94	60	0	0	1	0
RAPID CITY	79	58	94	54	69	-5	.5	.1	.3	2.6	47	6.2	51	87	41	1	0	0	0
SIoux FALLS	74	58	80	51	66	-9	.3	-.3	.2	5.4	81	16.8	110	94	60	0	0	3	0
TN CHATTANOOGA	85	71	91	70	78	-1	1.0	.1	.9	5.3	64	23.1	70	92	58	2	0	3	1
KNOXVILLE	84	69	90	62	76	-2	.8	0	.6	7.9	92	21.8	71	99	62	1	0	3	1
MEMPHIS	89	73	94	69	81	-1	0	-.9	0	8.1	101	29.7	89	89	59	3	0	0	0
NASHVILLE	89	70	93	66	80	0	.3	-.5	.3	3.7	47	18.3	59	91	51	4	0	2	0
TX ABILENE	96	74	98	72	85	0	0	-.5	0	3.5	72	13.3	99	70	29	7	0	0	0
AMARILLO	93	68	96	65	81	2	.2	-.4	.1	5.2	80	12.0	98	78	31	7	0	2	0
AUSTIN	98	75	100	73	86	1	0	-.4	0	7.2	140	16.5	91	86	34	7	0	0	0
BEAUMONT	94	74	99	72	84	0	2.0	.8	1.3	10.6	107	31.8	109	100	55	7	0	3	1
BROWNSVILLE	94	75	95	72	85	0	T	-.4	T	10.7	245	19.3	169	96	47	7	0	0	0
CORPUS CHRISTI	95	73	97	69	84	-1	0	-.5	0	5.0	91	18.8	129	87	41	7	0	0	0
DEL RIO	97	74	99	72	86	0	0	-.4	0	6.8	192	14.0	149	73	28	7	0	0	0
EL PASO	94	68	95	65	81	-1	.4	.1	.3	1.8	78	3.6	92	88	27	7	0	5	0
FORT WORTH	101	77	103	75	89	2	.4	.1	.4	6.6	139	19.6	105	73	30	7	0	1	0
GALVESTON	88	78	93	76	83	-1	T	-.3	T	10.5	138	27.6	132	88	63	1	0	0	0
HOUSTON	96	74	99	71	85	2	.2	-.5	.2	10.4	135	28.3	110	96	44	7	0	1	0
LUBBOCK	94	70	96	66	82	3	0	-.5	0	8.5	158	13.7	126	73	30	7	0	0	0
MIDLAND	98	68	100	66	83	1	0	-.4	0	3.1	95	6.4	83	66	22	7	0	0	0
SAN ANGELO	97	70	99	65	83	-2	0	-.3	0	4.7	145	12.6	129	75	28	7	0	0	0
SAN ANTONIO	96	75	97	74	86	1	0	-.4	0	13.8	269	27.0	166	84	35	7	0	0	0
VICTORIA	97	76	99	74	87	2	0	-.5	0	8.2	113	28.7	144	94	39	7	0	0	0
WACO	102	75	103	74	89	2	0	-.4	0	6.3	140	16.5	88	77	30	7	0	0	0
WICHITA FALLS	102	73	105	70	88	2	0	0	0	7.2	143	22.5	140	75	28	7	0	0	0
UT BLANDING	83	58	86	54	70	-3	T	-.3	T	3.0	192	8.7	147	83	32	0	0	1	0
CEDAR CITY	86	56	88	52	71	-4	.7	.4	.7	1.7	99	6.5	108	70	19	0	0	1	1
SALT LAKE CITY	90	63	96	56	76	-2	.1	-.2	0	2.2	124	9.4	95	62	18	4	0	2	0
VT BURLINGTON	77	53	89	49	65	-4	.8	0	.5	8.2	110	18.7	99	91	41	0	0	2	0
VA NORFOLK	81	69	89	62	75	-4	2.5	1.2	2.3	13.0	142	26.2	98	92	68	2	0	4	1
RICHMOND	85	66	92	58	76	-2	1.0	-.3	.9	9.5	102	21.1	82	93	52	2	0	4	1
ROANOKE	83	64	90	55	73	-3	1.1	.3	.7	7.0	98	23.6	100	90	51	2	0	4	1
WA COLVILLE	89	59	98	54	74	5	.2	0	.2	1.7	71	6.4	65	65	27	3	0	2	0
QUILLAYUTE	70	51	83	46	61	1	.2	-.4	.1	2.7	48	28.1	50	100	61	0	0	2	0
SEATTLE-TACOMA	76	57	87	56	67	2	.4	-.2	.3	3.3	149	11.2	56	90	50	0	0	3	0
SPokane	85	59	96	54	72	1	.1	-.1	.1	.9	52	5.0	52	74	27	3	0	1	0
YAKIMA	86	55	99	48	71	0	.1	-.1	.1	.5	64	2.3	50	76	31	2	0	1	0
WV BECKLEY	77	59	82	54	68	-2	1.1	.2	.6	7.9	91	22.4	83	96	60	0	0	3	1
CHARLESTON	86	64	92	56	75	0	.2	-.1	.2	6.2	68	23.5	87	91	50	2	0	2	0
HUNTINGTON	82	63	87	55	72	-3	1.7	.7	.9	10.2	120	25.8	99	98	56	0	0	2	2
PARKERSBURG	82	63	90	56	73	-2	.4	-.5	.4	3.7	39	18.3	66	97	50	1	0	1	0
WI GREEN BAY	78	56	86	50	67	-3	.1	-.7	.1	6.3	94	17.3	104	89	44	0	0	2	0
LA CROSSE	79	58	87	52	69	-4	.4	-.4	.2	5.2	63	14.0	74	86	39	0	0	2	0
MADISON	76	55	84	49	66	-5	.2	-.6	.2	7.5	94	18.8	101	92	49	0	0	2	0
MILWAUKEE	75	60	85	55	67	-4	.4	-.3	.4	3.5	46	16.4	86	97	58	0	0	2	0
WAUSAU	79	57	83	53	68	-2	T	-.9	T	4.9	59	13.6	73	88	39	0	0	1	0
WY CASPER	82	54	90	51	68	-4	1.0	.8	.8	2.9	122	7.4	91	86	27	1	0	2	1
CHEYENNE	77	54	82	52	66	-4	6.6	6.2	6.1	11.6	288	14.9	159	92	44	0	0	4	1
LANDER	78	54	87	49	66	-6	.7	.6	.4	2.7	122	5.5	59	77	34	0	0	3	1
SHERIDAN	80	53	96	50	67	-5	.7	.5	.5	2.7	83	6.8	67	89	38	2	0	3	0
PR SAN JUAN	90	76	91	74	83	1	.1	-.1	.1	3.2	32	17.1	64	89	61	6	0	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-MNC-MNS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-MSD-DIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 8-3-1985
ACCUMULATIONS ARE FROM JANUARY
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK TOTAL, WEEK DEV, WEEK DEV FROM, CUM TOTAL, CUM DEV FROM, CUM DEV FROM, CUM DEV FROM, CUM DEV FROM. Rows list various cities and their corresponding weather data points.

JULY WEATHER SUMMARY

HIGHLIGHTS: Showers and thunderstorms covered nearly all of the Nation. Tropical moisture moved into the Southwest and spread over most of the West triggering widespread showers. Late in the month beneficial rain fell in parts of Montana; however, a disastrous storm struck Cheyenne, Wyoming with devastating severe weather. Most of the Corn Belt had less than normal rain. However, most of the area got adequate rain during most of the corn and beans propagating period. Some isolated areas were short of moisture. All of the East Coast States had adequate rain, but parts of the mid-Atlantic States got very dry before the rain came. After midmonth, Tropical Storm Bob crossed southern Florida from the Gulf of Mexico and then briefly became a hurricane before making landfall in South Carolina. The storm weakened rapidly as it moved northward spreading heavy rain to southern New England.

FIRST WEEK...Thunderstorms produced light rain in most of the northern and central Plains and parts of the western Corn Belt. The lower Missouri Valley had little or no rain. Heavier showers and thunderstorms were concentrated through eastern Oklahoma and Texas 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.

SECOND WEEK...Light showers fell in the Rockies, the Plateau, and the Southwest cooling temperatures throughout the area. Thunderstorms produced some severe weather in the central Rockies. Afternoon high temperatures passed the century mark in the Plains from Texas to North Dakota and Montana. Thunderstorms produced light showers through parts of the central Plains, but heavier amounts fell through the eastern third of the Nation. Moderate rain fell from West Virginia to southeastern New York and along the southeastern coast.

THIRD WEEK...Beneficial rain fell in most of the western Corn Belt, the eastern portion of the Dakotas, and in the Southeast. Showers and thunderstorms covered much of the Nation, but some already dry areas had little or no rain. It remained very dry from western North Carolina and southern Virginia through the lower Ohio Valley into Missouri. Heavy rain accompanied thunderstorms in parts of the upper Ohio Valley. Torrential rain in eastern Colorado caused some severe local flooding. Temperatures were seasonable over most of the Nation but were well-above normal in the Northwest and in parts of New England.

FOURTH WEEK...Tropical moisture flowing into the Southwest induced showers over much of the Plateau, Southwest, and central Rockies. Showers and thunderstorms covered nearly all of the East. Beneficial rain fell in most of the Corn Belt, but some areas need more. Beneficial rains also fell in parts of the Southeast and from the Carolinas through Virginia and Maryland. Tropical Storm Bob moved out of the Gulf of Mexico, across southern Florida, and up the east coast. The storm briefly became a hurricane as it moved into South Carolina and then weakened as it moved through Virginia and Maryland. Heavy rain fell in the path of the storm. Temperatures were generally cooler than normal in most of the East, but the Pacific Northwest and the northern High Plains were warmer than normal.

In the last 4 days of the month, showers were widespread over the Plateau, Rockies, and the central and northern Plains. Very beneficial rain fell in parts of southeastern Montana. However, a disastrous storm devastated Cheyenne, Wyoming. Rain also covered most of the East.

JULY CROP DEVELOPMENT

Topsoil moisture was mostly inadequate across the Nation during the month of July. Timely rain kept crops in fairly good condition throughout the month and provided enough moisture to further crop development, especially across the eastern half of the Nation. The western States were extremely dry from the beginning of July until the end. In these States, most crops without irrigation were under stress during July, especially in Montana. Wheat harvest progressed rapidly as a result of the dry weather. Double-crop soybean planting was ahead of normal with the early wheat harvest.

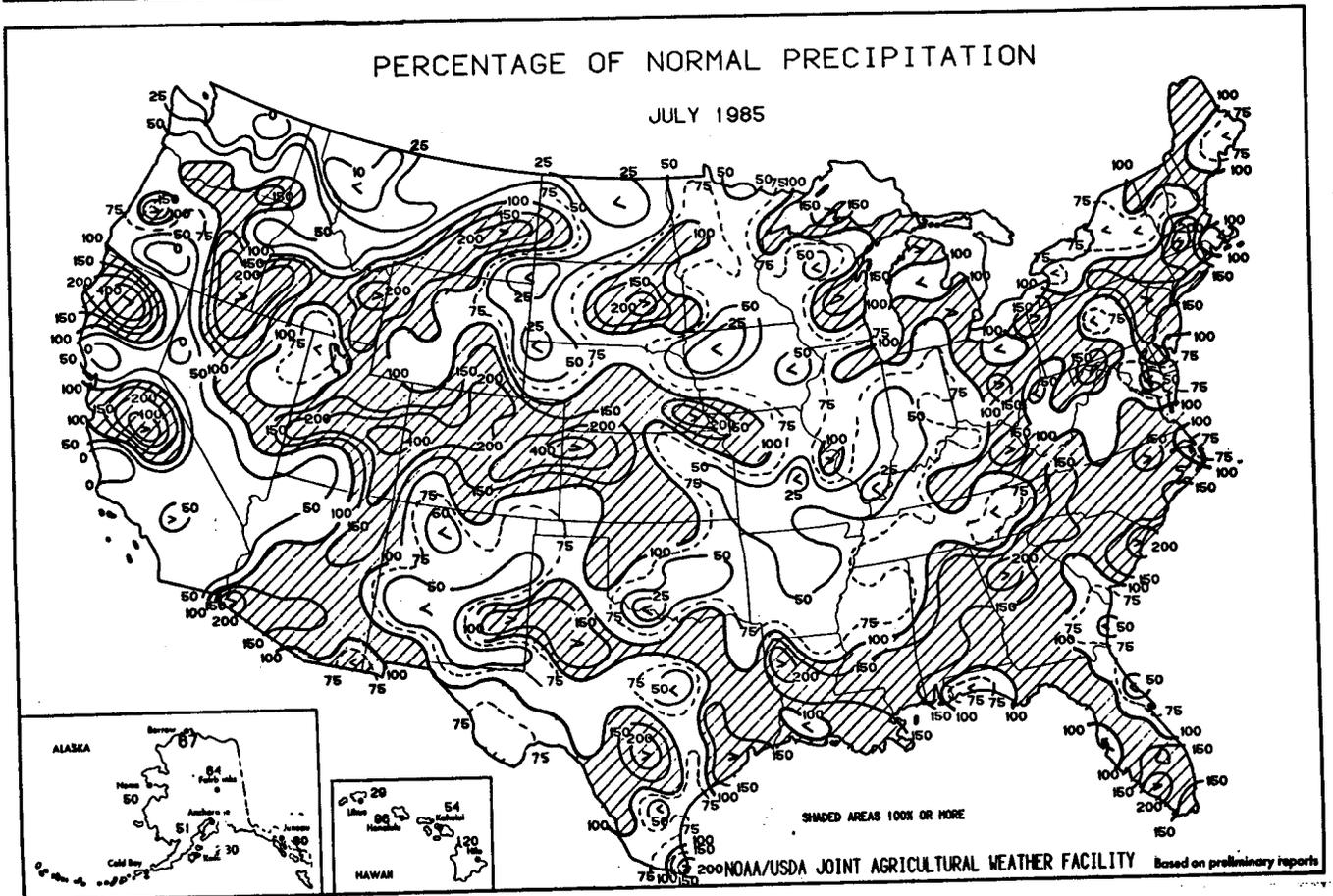
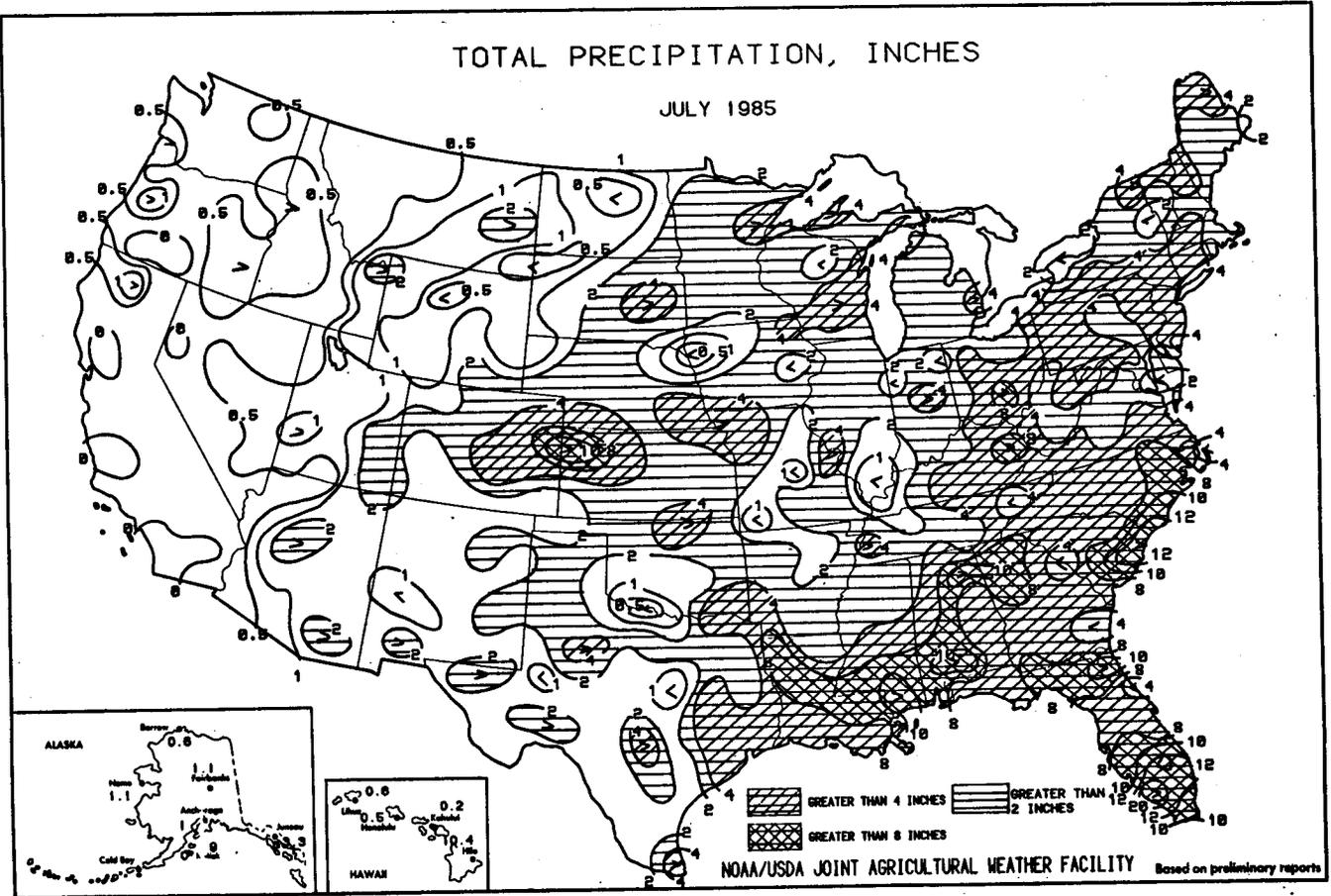
Corn was fair to mostly good as July ended. The last week of July, rain and below-normal temperatures over the eastern half of the Nation, helped relieve some stress caused by dryness. Corn was silking on 77 percent of the acreage in 16 of the 17 major producing States by month's end. Last year, only 56 percent of the acreage was silking by the end of July, and normally 62 percent would be silking. Sixteen percent of the acreage had reached the dough stage compared with the 10 percent average. Corn matured rapidly across the Southeast during July. As the month drew to a close, harvest ranged from 5 percent complete in Texas to 7 percent complete in Georgia.

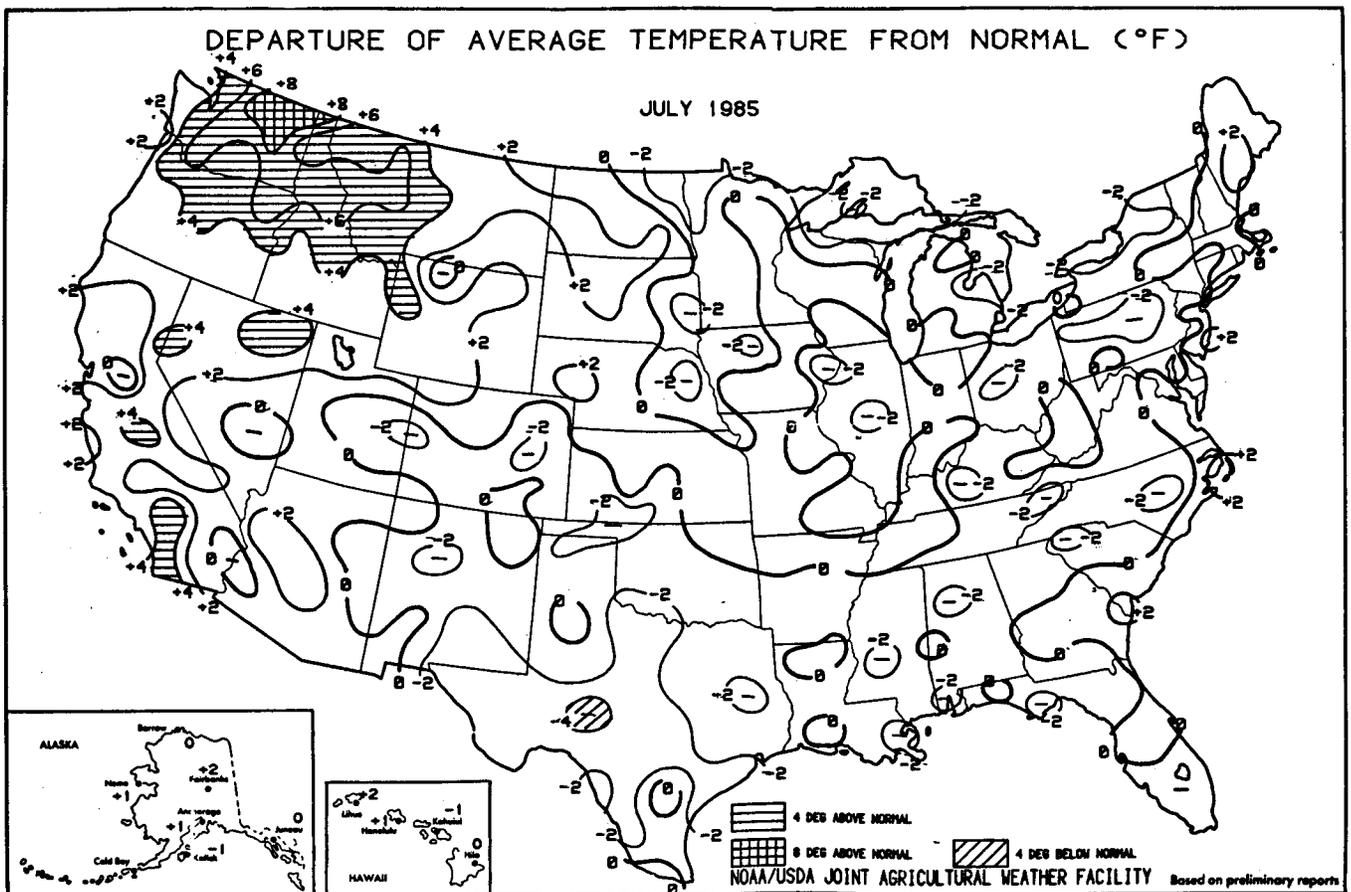
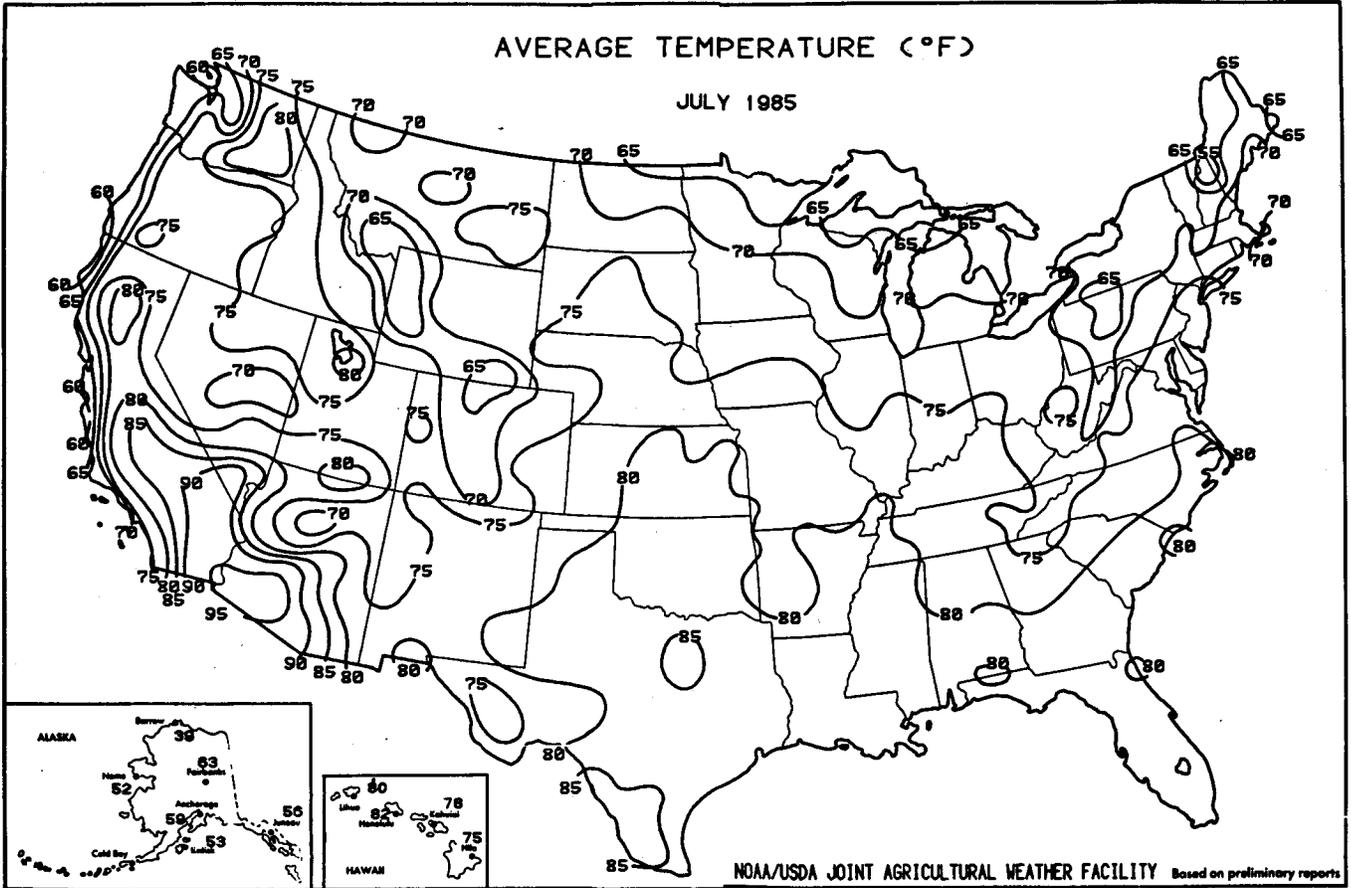
Soybeans remained fair to mostly good during July. Rain improved crop condition along the east coast from Virginia to Florida the last week of July. In the 19 major producing States, 67 percent of the acreage was blooming with slightly more than one-fourth of the acreage setting pods on July 28th. At this time last year, blooms and pods were present on 56 and 18 percent, respectively. Normally, 58 percent of the acreage would be blooming and 19 percent would have acquired pods. Nebraska's soybeans encountered minor problems around mid-month as heat and insufficient moisture caused leaf droppage.

Sorghum ended the month, 36 percent headed in 6 of the 7 major producing States, which was about normal. Heading continued lagging behind normal in Texas and South Dakota. Harvest began in Texas in early July and was 22 percent complete on July 28th.

Cotton was in mostly good condition. The hot, humid weather provided near ideal growing conditions during July. Squares were present on 84 percent of the acreage and 57 percent was setting bolls on July 28th. Boll setting was slightly ahead of schedule, but squaring lagged 7 points behind normal. By month's end, bolls began opening in Arizona and Georgia, and 2 percent of the Texas crop was harvested.

In the 18 major producing States, winter wheat was 87 percent harvested, 5 percentage points ahead of 1984 and 4 points ahead of the average, as July ended. Harvest was complete or neared completion in all States, except Idaho, Montana, Oregon, and Washington. Wheat stubble was plowed under from the Corn Belt to the lower Great Plains southward. Spring wheat was 7 percent harvested, 5 points ahead of 1984 and 1 point ahead of the average. On July 28th, harvest was underway in all States, except Idaho.





Temperature and Precipitation Data for July 1985

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	78	-2	8.5	3.1	LA ALEXANDRIA	82	-1	7.5	2.8	OK COLUMBUS	73	-1	6.9	2.9
MOBILE	80	-3	8.3	0.6	BATON ROUGE	81	-1	8.9	1.8	DAYTON	73	-2	2.7	-0.7
AK ANCHORAGE	59	1	1.0	-1.0	LAKE CHARLES	82	0	4.2	-1.3	TOLEDO	73	1	3.7	0.5
BARROW	39	0	0.5	-0.4	NEW ORLEANS	80	-2	6.9	0.2	YOUNGSTOWN	68	-2	6.0	2.0
FAIRBANKS	63	2	1.1	-0.6	SHREVEPORT	83	0	8.4	4.8	OK OKLAHOMA CITY	81	-1	1.3	-1.7
JUNEAU	56	0	3.3	-0.8	ME CARIBOU	66	1	5.1	1.1	TULSA	83	0	2.4	-1.1
KODIAK	53	-1	9.0	5.1	PORTLAND	70	1	3.5	0.7	OR ASTORIA	61	1	0.8	-0.3
NOME	52	1	1.1	-1.1	MD BALTIMORE	76	0	2.5	-1.4	BURNS	71	2	0.9	0.5
AZ FLAGSTAFF	67	1	2.4	-0.1	MI SALISBURY	77	0	2.9	-1.4	MEDFORD	76	4	0.0	-0.3
PHOENIX	95	3	1.0	0.2	MA BOSTON	73	0	3.5	0.8	PENDLETON	77	4	0.3	0.0
PRESCOTT	76	3	2.1	-1.1	MI ALPENA	66	0	3.7	0.6	PORTLAND	74	6	0.6	0.1
TUCSON	88	-1	3.1	0.7	MI CHATHAM	67	-1	2.8	-0.1	SALEM	70	4	0.3	0.0
WINSLOW	78	1	1.7	0.6	MI DETROIT	71	-1	4.0	0.9	PA ALLENTOWN	73	-1	7.6	3.5
YUMA	95	2	0.1	-0.1	FLINT	70	0	3.0	0.2	ERIE	70	1	5.0	1.7
AR FORT SMITH	82	0	2.1	-1.1	GRAND RAPIDS	70	-1	3.1	0.1	HARRISBURG	76	0	2.5	-0.8
LITTLE ROCK	84	-1	1.6	-2.0	HOUGHTON LAKE	67	0	2.3	-0.6	PHILADELPHIA	75	-1	4.8	0.9
CA BAKERSFIELD	81	-1	T	0.0	LANSING	70	0	3.1	0.3	PITTSBURGH	70	-2	4.1	0.2
EUREKA	58	2	0.2	0.1	MARQUETTE	62	-3	3.8	0.6	SCRANTON	70	-2	6.1	2.7
FRESNO	86	5	T	0.0	MUSKOGEE	69	-1	3.3	0.9	RI PROVIDENCE	73	0	2.9	-0.1
LOS ANGELES	71	2	T	0.0	SAULT STE. MARI	60	-3	3.3	0.3	SC CHARLESTON	81	0	12.1	4.8
RED BLUFF	83	1	0.5	0.4	MN ALEXANDRIA	70	0	2.4	-0.7	COLUMBIA	80	-1	7.5	2.1
SACRAMENTO	77	1	T	-0.1	INT'L FALLS	65	-1	4.1	0.2	FLORENCE	80	-1	5.9	0.2
SAN DIEGO	75	5	T	0.0	DULUTH	64	-2	1.2	-2.6	GREENVILLE	76	-2	7.0	2.9
SAN FRANCISCO	65	3	T	0.0	MINNEAPOLIS	74	1	2.2	-1.3	SD ABERDEEN	73	1	2.4	0.0
CO DENVER	73	0	3.7	1.8	ROCHESTER	70	0	2.6	-1.3	HURON	72	-2	4.8	2.5
GRAND JUNCTION	77	-1	1.2	0.7	ST. CLOUD	69	-1	2.8	-0.6	RAPID CITY	75	2	1.0	-1.1
PUEBLO	75	-2	4.8	3.0	MS GREENWOOD	81	-1	0.9	-3.7	SIoux FALLS	72	-2	2.7	0.0
CT BRIDGEPORT	74	0	5.1	1.7	JACKSON	81	-1	4.3	-0.1	TN CHATTANOOGA	78	0	3.1	-1.5
HARTFORD	72	-1	4.6	1.5	MERIDIAN	81	-1	5.3	0.0	KNOXVILLE	77	-1	2.6	-1.7
DC WASHINGTON	79	0	2.9	-1.0	MO COLUMBIA	77	-1	1.9	-1.6	MEMPHIS	82	0	3.5	-0.5
FL APALACHICOLA	80	-1	7.8	0.7	KANSAS CITY	77	-1	5.8	1.4	NASHVILLE	80	1	2.0	-1.8
DAYTONA BEACH	81	0	2.2	-3.4	SAINT LOUIS	79	0	5.2	1.6	ABILENE	82	-3	1.7	-0.4
FT. MYERS	82	-1	8.8	0.2	SPRINGFIELD	79	1	1.6	-2.0	AMARILLO	80	1	2.1	-0.6
JACKSONVILLE	81	0	6.3	-0.2	MT BILLINGS	75	3	1.4	0.6	AUSTIN	83	-2	1.6	-0.3
KEY WEST	84	-1	3.6	0.0	GLASGOW	72	2	0.7	-1.0	BEAUMONT	82	-1	6.9	1.5
MIAMI	81	-1	11.2	5.3	GREAT FALLS	73	4	0.5	-0.6	BROWNSVILLE	83	-1	4.2	2.7
ORLANDO	82	0	7.3	-0.5	HAVRE	73	3	0.4	-0.9	CORPUS CHRISTI	82	-3	1.0	-0.9
TALLAHASSEE	80	-1	9.6	0.8	HELENA	75	7	0.1	-0.9	DEL RIO	83	-3	1.7	0.0
TAMPA	82	0	6.5	-0.9	KALISPELL	69	4	0.2	-0.7	EL PASO	79	-3	1.3	-0.3
WEST PALM BEACH	81	-1	10.8	4.7	MILES CITY	77	2	3.0	1.5	FORT WORTH	84	-2	2.4	0.4
GA ATLANTA	78	0	10.0	5.3	MISSOULA	75	8	0.1	-0.8	GALVESTON	81	-2	7.1	3.3
AUGUSTA	82	1	3.7	-0.7	NE GRAND ISLAND	76	-1	3.2	0.5	HOUSTON	82	-2	4.9	1.6
MACON	81	0	5.9	1.5	LINCOLN	76	-1	6.9	3.7	LUBBOCK	80	0	3.9	1.6
SAVANNAH	83	2	5.0	-2.4	NORFOLK	74	-2	1.6	-1.6	MIDLAND	81	-1	0.9	-0.8
HI HILO	75	0	9.8	1.1	NORTH PLATTE	75	1	4.0	1.0	SAN ANGELO	80	-4	1.1	-0.1
KAHULUI	78	-1	0.6	0.2	OMAHA	76	0	2.7	-0.8	SAN ANTONIO	82	-2	5.8	3.9
LIHUE	80	2	0.9	-1.1	SCOTTSDALE	75	1	0.8	-1.2	VICTORIA	83	-1	1.3	-1.3
ID BOISE	78	3	0.9	0.7	NV VALENTINE	75	1	1.9	-0.6	WACO	85	-1	0.7	-1.1
LEWISTON	80	6	0.6	0.1	ELKO	76	6	0.3	0.0	WICHITA FALLS	83	-3	0.2	-1.8
POCATELLO	73	2	0.5	0.0	ELY	68	1	0.6	0.0	UT BLANDING	74	0	2.8	1.8
IL CAIRO	81	0	1.0	-3.0	LAS VEGAS	92	2	0.1	-0.3	CEDAR CITY	75	1	1.4	0.3
CHICAGO	71	-2	3.8	0.1	RENO	73	4	T	-0.3	MILFORD	75	1	1.8	1.1
MOLINE	74	-1	3.0	-1.9	WINNEMUCCA	75	3	0.5	0.3	SALT LAKE CITY	81	3	0.9	0.1
PEORIA	74	-1	3.5	-0.5	NH CONCORD	70	1	2.9	-0.1	VT BURLINGTON	69	0	4.4	1.0
QUINCY	76	-1	2.9	-1.5	NJ ATLANTIC CITY	77	2	4.4	0.4	VA NORFOLK	78	0	6.2	1.0
ROCKFORD	72	-1	3.0	-1.5	NM ALBUQUERQUE	77	-2	1.2	-0.1	RICHMOND	79	1	5.3	0.2
SPRINGFIELD	74	-2	3.0	-0.6	NM CLOVIS	77	0	2.4	-0.3	ROANOKE	76	1	4.2	0.7
IN EVANSVILLE	79	1	1.2	-2.8	NY ROSWELL	80	-2	2.7	1.3	COLVILLE	75	7	0.0	-0.8
FORT WAYNE	75	2	1.9	-1.5	ALBANY	70	-1	1.8	-1.2	QUILLAYUTE	61	2	0.4	-2.0
INDIANAPOLIS	74	-1	4.1	-0.2	BINGHAMTON	69	0	4.1	0.7	SEATTLE-TACOMA	69	4	0.1	-0.7
IA DES MOINES	76	0	2.0	-1.2	BUFFALO	70	-1	1.8	-1.2	SPOKANE	75	5	0.3	-0.2
DUBUQUE	71	-1	2.2	-2.1	NEW YORK	77	0	5.7	2.0	WALLA WALLA	81	5	0.7	0.3
SIoux CITY	75	-1	0.4	-3.0	ROCHESTER	69	-3	1.8	-0.7	YAKIMA	75	5	0.1	0.0
WATERLOO	73	1	3.3	-1.4	SYRACUSE	70	-1	2.8	-1.0	WV BECKLEY	69	0	3.1	-1.3
KS CONCORDIA	79	0	2.1	-1.3	NC ASHEVILLE	72	-1	4.3	-0.2	CHARLESTON	76	1	3.2	-2.2
DODGE CITY	80	0	3.4	0.3	CHARLOTTE	77	-1	4.1	0.2	HUNTINGTON	74	-1	6.1	1.7
GOODLAND	77	1	10.1	7.7	GREENSBORO	76	-2	4.3	0.0	PARKERSBURG	74	-1	2.1	-2.5
TOPEKA	80	1	3.0	-1.1	HATTERAS	80	1	3.4	-2.0	WI GREEN BAY	69	0	4.1	0.8
WICHITA	82	0	4.0	0.4	NEW BERN	81	2	8.8	2.1	LA CROSSE	72	-1	2.4	-1.4
KY BOWLING GREEN	77	-1	5.3	0.9	RALEIGH	77	-1	6.3	1.9	MADISON	70	-1	4.5	0.7
JACKSON	74	1	9.7	4.8	WILMINGTON	81	1	10.3	2.9	MILWAUKEE	72	2	2.2	-1.4
LEXINGTON	75	-1	3.4	-1.6	ND FARGO	70	0	0.6	-1.5	WAUSAU	69	-1	1.9	-2.1
LOUISVILLE	77	-1	3.5	-0.7	GRAND FORKS	67	-2	1.2	-1.7	WY CASPER	72	1	1.6	0.5
PADUCAH	78	0	0.9	-2.8	WILLISTON	71	1	1.4	-0.4	CHEYENNE	69	1	4.0	2.1
					OH AKRON-CANTON	70	-1	2.6	-1.5	LANDER	74	3	1.0	0.3
					CINCINNATI	75	-1	3.6	-0.7	SHERIDAN	72	2	0.9	0.0
					CLEVELAND	71	-1	3.2	-0.2	PR SAN JUAN	83	1	2.8	-2.0

Based on 1951-80 normals.

National Agricultural Summary

JULY 29 to AUGUST 4

HIGHLIGHTS: Welcomed and sometimes heavy rain covered most of the eastern half of the Nation, providing relief from the dryness and improving crop conditions. Dryness continued in Texas, along the West Coast and in a few Delta States. Most of the dryness was erased along the east coast from Virginia to Florida. Days suitable for fieldwork varied with farmers in the southeast averaging 3 days or less, Corn Belt farmers averaged slightly more than 5 days, and 5 to 6 days were suitable for fieldwork in the West, and most other areas averaged 4 to 5 days.

Winter wheat combining reached 91%, 3 points ahead of 1984 and 4 points above the average. Spring wheat was 15% harvested in the 5 major producing States, slightly ahead of the normal pace. In 16 of the 17 major producing States, corn was silking on 90% of the acreage, 8 points ahead of the 82% average. Nearly a third of the corn acreage reached the dough stage. Blooms and pods were present on 80 and 45% of the soybean acreage, respectively. Sorghum acreage heading advanced to 47%, equaling the average. Cotton setting bolls climbed to 73%, 2 points ahead of normal. Cotton with open bolls became more widespread across the Southeast. Rice was 48% headed, compared with 44% normally. Harvest continued gaining momentum in Texas and Louisiana. Additional moisture improved pastures across the eastern half of the Nation. Livestock was mostly good but was moved from pastures in some western States.

SMALL GRAINS: Winter wheat advanced to 91% harvested, compared with 88% harvested in 1984 and 87% normally. Harvest was mostly concentrated in the Northwestern States with a few fields remaining to be harvested in California, Colorado, Michigan, and South Dakota. In Idaho and Montana, harvest was being completed at about twice the normal pace. Idaho's wheat was 20% harvested, and in Montana, 40% of the crop was harvested. Last week 16% percent of Oregon's winter wheat was harvested bringing their total completion to 60%. In Washington, wheat was 46% finished, up 18 points from last week.

Spring wheat was 15% harvested in the 5 major producing States, slightly ahead of the normal pace. Harvest pace is nearly 2 times faster than last year, thus far. Harvest varied, ranging from 4% finished in Idaho to 46% finished in South Dakota.

CORN: Corn was good to excellent in portions of the Corn Belt and mostly good elsewhere. Rain improved crop conditions in most areas, especially in the Southeast. In 16 of the 17 major producing States corn was silking on 90% of the acreage, 8 points ahead of the 82% average. Nearly a third of the acreage had reached the dough stage. Silking was ahead of normal in the Corn Belt and Southeast, but harvest trails the normal pace in the Southern States. Harvest was 4 points behind the average in Georgia and Louisiana.

SOYBEANS: Soybeans were mostly good and improved with the additional moisture. Moisture shortages were alleviated in most areas except for portions of the Corn Belt and upper Great Plains. Bloom and pods were present on 80 and 45% of the acreage, respectively. Crop development is considerably ahead of normal with blooms 9 points ahead of the average and pod setting 10 points ahead of the average. Soybeans setting pods were ahead last year and the 5-year average in 18 of the 19 major producing States.

SORGHUM: Sorghum was mostly good. Heading was 47% complete, 3 points ahead of 1984 and equaling the average. Texas sorghum was 36% harvested compared with the 47% average. Heading continued lagging behind normal in Texas, but the gap has lessened considerably. Early yields from the Blacklands were good, but sorghum in the High Plains still need additional moisture. Additional moisture was needed in Oklahoma's major producing areas for good crop development. Harvest was 5% finished in Louisiana.

COTTON: Cotton continued thriving on the near perfect growing combination of moisture, warmth and humidity. Crop condition was mostly good and in some States mostly good to excellent. Dryness was causing stress in Oklahoma. Squares were present on 95% of the cotton acreage. Acreage setting bolls climbed to 73%, 2 points ahead of normal. Boll setting and squaring were behind the normal pace only in Texas. Cotton with open bolls became more widespread across the Southeast and moved into Arizona. Harvest was limited to Texas where 4% of the crop acreage had been picked. Harvest picked up in the Rio Grande Valley and began at Coastal Bend.

OTHER CROPS: Rice was 48% headed, compared with 42% last year and the 44% average. Texas continued to be the standout with heading 34 points below average. Harvest in Texas continued gaining momentum, but trails the normal pace by 32 points. Louisiana rice was 16% harvest, 2 points behind 1984 and equaling the average.

Peanuts were mostly good. Pegging was complete in Georgia and Alabama. Texas peanuts showed good growth with potential for a good crop in many areas. However, rain will be needed in some southern areas soon.

Tobacco was 54 and 35% harvested in Georgia and South Carolina, respectively. Harvest was nearing completion in Florida. Burley, dark-fired and dark-air cured tobacco harvest was underway in Tennessee. Kentucky's tobacco growers continued experiencing problems with blue mold and black shank. Fire-cured and burley harvest was just starting in Virginia.

VEGETABLES: Rain slowed fall vegetable land preparation across the Southeast but provided much needed moisture. Fall vegetable land preparation was the main activity in Texas' vegetable producing areas. Florida vegetable growers transplanted tomatoes and peppers, as sweet corn planting continued. Southwestern vegetable producers harvested a variety of vegetables consisting mostly of broccoli, cantaloups, carrots, cauliflower, lettuce, and tomatoes.

FRUIT AND NUTS: Apple harvest continued gaining momentum along the east coast with harvest getting underway in New York. Peach harvest was winding down in the Southeast. Seasonal variety peaches were harvested in California, Arizona, and Texas. Harvest was just beginning in the northern producing areas. Texas pecans were good, but aphids were a minor problem. Some areas need rain to prevent heavy droppage. California almond growers began preparing ground for harvest.

PASTURES AND LIVESTOCK: Moisture improved pastures across the eastern half of the Nation. Livestock were moved from pastures in some western areas as pastures continued drying. Supplemental feeding continued in the West. Livestock was mostly good.

CROP PROGRESS

FOR WEEK ENDING AUG 4

	WINTER WHEAT % HARVESTED		
	1985	1984	AVG.
ARK	100	100	100
CALIF	99	99	99
COLO	94	85	88
GA	100	100	100
IDAHO	20	7	11
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MICH	98	95	82
MO	100	100	96
MONT	40	40	20
NEBR	100	93	95
OHIO	100	99	99
OKLA	100	100	100
OREG	60	38	46
S DAK	92	84	86
TEX	100	100	100
WASH	46	33	41
18 STATES	91	88	87

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

	SPRING WHEAT % HARVESTED		
	1985	1984	AVG.
IDAHO	4	2	5
MINN	12	8	13
MONT	15	5	5
N D	6	3	8
S DAK	46	25	45
5 STATES	15	8	14

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

	SORGHUM % HEADED		
	1985	1984	AVG.
ARK	81	NA	NA
KANS	20	25	20
MO	58	66	57
NEBR	45	25	40
OKLA	55	45	55
S DAK	23	16	30
TEX	76	71	77
7 STATES	48	NA	NA
EXCL. STATES WITH NA	47	44	47

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

NA - NOT AVAILABLE

	COTTON % SQUARING		
	1985	1984	AVG.
ALA	100	100	99
ARIZ	100	100	100
ARK	100	100	100
CALIF	100	100	100
GA	99	99	100
LA	100	99	98
MISS	100	100	100
MO	100	100	97
N MEX	100	99	99
N C	100	91	94
OKLA	97	90	80
S C	100	100	100
TENN	100	100	100
TEX	90	91	94
14 STATES	95	95	96

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

	COTTON % SETTING BOLLS		
	1985	1984	AVG.
ALA	98	88	82
ARIZ	95	96	98
ARK	97	95	95
CALIF	90	85	82
GA	94	80	95
LA	99	89	88
MISS	99	69	79
MO	100	97	83
N MEX	95	98	92
N C	89	77	74
OKLA	65	35	25
S C	96	88	96
TENN	85	65	70
TEX	53	57	60
14 STATES	73	69	71

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

	RICE % HEADED		
	1985	1984	AVG.
ARK	36	16	23
CALIF	13	20	14
LA	81	75	73
MISS	76	34	41
TEX	65	100	99
5 STATES	48	42	44

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

	CORN % SILKING		
	1985	1984	AVG.
COLO	83	73	63
GA	100	100	99
ILL	98	94	96
IND	95	85	80
IOWA	96	84	88
KANS	96	90	75
KY	92	80	78
MICH	80	80	78
MINN	85	76	79
MO	100	78	82
NEBR	94	80	80
N-C	100	96	95
OHIO	100	70	80
PA	58	44	59
S DAK	66	48	60
TEX	96	NA	NA
WIS	66	70	65
17 STATES	90	NA	NA
EXCL. STATES WITH NA	90	80	82

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

NA - NOT AVAILABLE

	CORN % DOUGH		
	1985	1984	AVG.
COLO	22	15	8
GA	100	94	97
ILL	65	34	47
IND	30	15	30
IOWA	17	9	12
KANS	40	30	25
KY	40	12	14
MICH	10	5	10
MINN	2	1	2
MO	70	32	40
NEBR	10	8	15
N C	89	70	76
OHIO	60	15	20
PA	9	3	6
S DAK	8	6	4
TEX	76	NA	NA
WIS	13	12	12
17 STATES	32	NA	NA
EXCL. STATES WITH NA	30	17	22

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

NA - NOT AVAILABLE

	SOYBEANS % BLOOMING		
	1985	1984	AVG.
ALA	63	54	59
ARK	47	39	32
GA	71	59	67
ILL	92	87	86
IND	92	85	80
IOWA	94	87	85
KANS	60	65	50
KY	56	56	53
LA	74	66	62
MICH	75	80	79
MINN	91	89	90
MISS	77	59	66
MO	74	63	59
NEBR	98	80	80
N C	35	37	38
OHIO	98	85	80
S C	50	32	41
S DAK	77	54	83
TENN	60	65	60
19 STATES	80	72	71

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

	SOYBEANS % SETTING PODS		
	1985	1984	AVG.
ALA	40	28	30
ARK	15	24	17
GA	37	25	32
ILL	64	51	52
IND	35	25	30
IOWA	68	59	55
KANS	30	30	20
KY	18	15	15
LA	41	40	36
MICH	20	25	26
MINN	42	38	37
MISS	37	15	26
MO	47	26	26
NEBR	50	30	30
N C	17	9	11
OHIO	70	30	40
S C	16	11	11
S DAK	36	24	34
TENN	30	14	15
19 STATES	45	34	35

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

State Summaries of Weather and Agriculture

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

ALABAMA: Rain less than 1.00 in. north, 1.00 to 2.00 in. central, 0.50 to 1.00 in. south. Temperatures 2° below normal.

Fieldwork 3.2 days. Soil moisture 6% short, 56% adequate, 38% surplus. Corn dented 93%, 70% 1984, 78% avg.; mature 78%, 43% 1984; harvested 13%; 2% very poor, 9% poor, 25% fair, 58% good, 6% excellent. Cotton setting bolls 98%, 88% 1984, 82% avg.; 11% fair, 67% good, 22% excellent. Soybeans blooming 63%, 54% 1984, 59% avg.; setting pods 40%, 28% 1984, 30% avg.; 22% fair, 73% good, 5% excellent. Sorghum 19% fair, 67% good, 14% excellent. Peanuts 14% fair, 79% good, 7% excellent. Pastures 17% fair, 77% good, 6% excellent. Livestock 17% fair, 79% good, 4% excellent. Primary activities: Spraying crops to control insects, weeds, diseases; harvesting hay, vegetables; applying fertilizers to pastures; routine care of poultry, livestock.

ALASKA: Weather in interior remained warmer, drier than normal with scattered showers, while elsewhere in Railbelt, temperatures cooler than normal but soil moisture over 2.00 in. below normal.

Topsoil moisture 35% short, 65% adequate. Subsoil moisture 34% short, 66% adequate. Days available for making hay 7.0. Hay harvest 95% complete. Barley grain 19% poor, 41% fair, 35% good, 5% excellent. Barley for grain headed, 60% early dough, small quantity beginning to show color. Commercial potatoes bloom avg. 75%. Head lettuce, other green harvest continued.

ARIZONA: Strong monsoon conditions eastern two-thirds, sunny remainder of State. Precipitation 0.50 to 1.50 in. Mogollon Rim, White Mountains, southeast. Western one-third very little rain. Average temperatures 4° below normal to 10° above.

Cotton 100% squaring, 100% 1984, 100% avg.; 95% setting bolls, 96% 1984, 98% avg. Cotton 2% fair, 98% good. Open cotton reported in west, central areas. New foliage growth, squaring taking place. Spraying for pink bollworms active, but not considered severe problems, except in west. Boll weevils reported in west. Alfalfa hay harvest continued moderate to active. Crop in fair to good condition. Sale slow. Insect, disease infestation light to moderate. Late summer weeds beginning to grow, lowering yield and quality. Corn, sorghum progressing well, in good condition. Grain corn harvest should begin soon. Sesame maturing rapidly, growers preparing to harvest early planted fields. Yuma peanut crop good. Watermelon harvest continued central valley. Market demand light. Fall melon planting continued. Stands developing normally. Land preparation for fall vegetables continued. Stands developing normally. Land preparation for fall vegetables continued in west. Lemons harvested on limited scale. Other citrus fruits sizing, developing normally. Groves in good condition. Chipper potato harvest began southeast. Apple picking expected to gain momentum. Peach harvest continuing on limited scale. Summer rainfall received most range areas. Stockwater benefited from rainfall. Cattle, sheep good. Light insect damage on rangeland east.

ARKANSAS: Temperatures 2° below normal to 4° above normal. Widely scattered thundershowers. Temperature extremes 52°; 108°. Precipitation none to 2.00 in.

Days suitable for fieldwork 7.0. Soil moisture 74% short, 26% adequate. Cotton 100% squared, 100% 1984, 100% avg.; 97% setting bolls, 85% 1984, 95% avg. Cotton 8% fair, 57% good, 35% excellent. Winter wheat 100% harvested, 100% 1984, 100% avg. Rice 36% headed, 16% 1984, 23% avg. Rice 7% fair, 87% good, 6% excellent. Sorghum 81% headed; 2% poor, 30% fair, 59% good, 9% excellent. Soybeans 47% blooming, 39% 1984, 32% avg. Soybeans 15% setting pods, 24% 1984, 17% avg. Soybeans 8% poor, 17% fair, 75% good.

CALIFORNIA: Below normal temperatures, some rain northern zones. Only exceptions to below normal temperatures coastal locations where above normal temperature averages prevalent. Mostly light rainfall brushed north part State as a week storm moved through. Temperatures ranged from 34° at Alturas to 115° at Blythe while rainfall mostly less than 0.33 in.

Cooler than normal temperatures had little effect on fieldwork. Small grain harvest virtually complete. Wheat 99% harvested, 99% 1984, 99% avg. Rice 13% headed, 20% 1984, 14% avg. Cotton 100% squared, 100% 1984, 100% avg. Cotton 90% setting bolls, 85% 1984, 82% avg. Harvesting of safflower began. Field corn developed well with some fields being harvested. Sugarbeets harvested Fresno County. Alfalfa harvest continued. Rice 20% fair, 80% good. Cotton 100% good. Some fruits showing stress from hot temperatures. Apple harvest began, some areas. Haas avocado harvest continued. Growers continued treat vineyards for pests. Table grapes harvested, but movement slowed. Wine grapes developing normally. Kiwifruit recovering from recent wind damage. Nectarine harvest 66% complete, 60% of Freestone peach crop harvested. Plum harvest approaching 75%. Cling peach harvest continued with early varieties. Prune crop coloring well. Pomagranate harvest will begin shortly. Almond growers preparing ground for upcoming harvest. Hull split almost 100% some areas. Cooler temperatures beneficial, vegetables. Artichoke harvest seasonally light. Broccoli harvest moderate central coast. Cantaloup harvest fairly heavy San Joaquin Valley. Carrot harvest fairly heavy. Cauliflower harvest fairly light. Celery harvest fairly light central coast. Lettuce moderate supply. Green pepper harvest active north San Joaquin Valley, light central coast. Market tomato harvest active north San Joaquin Valley. Processing tomato harvest full swing central San Joaquin Valley, increasing Sacramento Valley. Ranges, pastures stayed dry most State. Fire danger continued in some areas. Feed, stockwater supplies scarce. Supplemental feeding continued due to poor range feed.

COLORADO: Moist air flow brought thunderstorms to all parts of State with heaviest amounts eastern Plains, southern mountains. Temperatures 2 to 4° below normal.

Days suitable for fieldwork 3.5. Soil moisture 7% short, 71% adequate, 22% surplus. Winter wheat 94% harvested, 85% 1984, 88% avg. Corn 6% fair, 13% good, 81% excellent; 83% silked, 73% 1984, 63% avg.; 22% dough, 15% 1984, 8% avg. Barley 51% harvested, 30% 1984, 39% avg. Dry beans 86% flowered, 69% 1984, 61% avg. Livestock good.

FLORIDA: Near normal summertime conditions. Scattered thunderstorms, rainfall mostly 1.00 to 3.00 in.

Soil moisture adequate, thundershowers numerous. Peanuts, soybeans, sorghum good. Tobacco, hay harvesting interrupted by rains. Tobacco harvest nearing completion. Corn harvest continued weather permitting, non-irrigated corn yield low. Hay improving, mostly good. Cotton good. Sugarcane progressing well. Afternoon rain showers beneficial to pasture growth statewide. Grazing fair to good central areas, good to excellent elsewhere. Cattle, calves mostly good to excellent. Citrus trees, new crop fruit very good. Frequent rains all areas, very little irrigation. New crop fruit sizing well. Caretakers very active with most summer cultural practices. Warm days, nights accompanied by afternoon thunderstorms in most vegetable areas. Planting, transplanting tomatoes, peppers underway. Sweet corn planting continued Everglades. Celery seedbeds started. Land preparation for fall vegetables active. Summer vegetable supplies very limited.

GEORGIA: Wet week. Rainfall totals 1.00 to 2.00 in. ranges. Greatest total 5.08 in. at Valdosta. Rain five days at most locations. Maximum temperatures in low 90's with lows in 50's in mountains, 60's elsewhere. Temperatures 3 to 50 below normal.

Days suitable for fieldwork 3.1. Soil moisture 3% short, 55% adequate, 42% surplus. Main activities haying when possible; spraying for insects, weeds, disease; harvesting as weather permitted. Corn 100% dough, 94% 1984, 97% avg.; 93% dent, 79% 1984, 88% avg.; 71% mature, 52% 1984, 69% avg.; 14% harvested, 9% 1984, 18% avg. Corn 6% poor, 24% fair, 57% good, 13% excellent. Cotton 99% squaring, 99% 1984, 100% avg.; 94% setting bolls, 80% 1984, 95% avg.; 3% bolls open, 1% 1984, 6% avg. Cotton 11% fair, 82% good, 7% excellent. Grain sorghum 11% fair, 79% good, 10% excellent. Peanuts 100% blooming, 100% 1984, 100% avg.; 99% pegging, 100% 1984, 99% avg.; 8% fair, 66% good, 26% excellent. Soybeans 71% blooming, 59% 1984, 67% avg.; 37% setting pods, 25% 1984, 32% avg.; 7% fair, 84% good, 9% excellent. Tobacco 54% harvested, 51% 1984, 67% avg.; 14% fair, 82% good, 4% excellent. Watermelons 94% harvested, 86% 1984, 90% avg.; 3% poor, 28% fair, 69% good. Apples 20% harvested, 25% 1984, 29% avg.; 37% fair, 60% good, 3% excellent. Peaches 98% harvested, 91% 1984, 95% avg.; 19% very poor, 16% poor, 23% fair, 42% good. Pecans 6% poor, 28% fair, 64% good, 2% excellent. Pasture 10% fair, 83% good, 7% excellent. Hay 1% poor, 26% fair, 67% good, 6% excellent. Cattle 13% fair, 85% good, 2% excellent. Hogs 12% fair, 85% good, 3% excellent.

HAWAII: Crops made fair to good progress as scattered showers passed through Islands bringing much needed rainfall. High pressure system northeast responsible for trade of 15 to 30 mph beginning of week. Remnants of tropical depression east of island brought showers and a decrease of trade winds during latter half of week. Temperatures averaged in upper 80's. Banana orchards fair to good condition as weather beneficial towards fruit development. Head cabbage, head lettuce supplies moderate; crop fair to good. Harvesting of papaya continued active in Puna area, orchards in fair to good.

IDAHO: Heavy rains midweek made headlines. Numerous locations recorded over 1.00 in.; most feel in short time period. Temperatures very warm early week. Readings in 90s, 100s over most State. Midweek temperatures cooled, thus weeks averaged below normal across State.

Days suitable for fieldwork 5.0. Second cutting alfalfa 44% cut, 40% 1984, 36% avg. Oats 10% harvested. Dry peas 60% harvested, 6% avg. Apricots 60% picked, 30% 1984. Grass seed 60% harvested, 18% 1984. Mint 42% harvested, 38% 1984. Winter wheat 100% turning color, 20% harvested. Spring wheat 84% turning; 4% harvested. Barley 86% turning; 10% harvested. Potatoes 100% closed row middles; 96% not turning color, 4% turning. Winter wheat 12% poor, 53% fair, 35% good. Spring wheat 29% poor, 39% fair, 29% good, 3% excellent. Barley 22% poor, 37% fair, 38% good, 3% excellent. Potato 5% fair, 75% good, 20% excellent. Sugarbeets 92% good, 8% excellent. Onions 100% good. Corn 25% fair, 56% good, 19% excellent. Dry beans 100% good. Oats 3% very poor, 7% poor, 41% fair, 42% good, 7% excellent. Grasshopper infestation in south, east 5% none, 27% light, 59% moderate, 9% severe. Recent rainfall, cooler temperatures have improved range, pasture, livestock condition.

ILLINOIS: Temperatures 3 to 100 below normal, coolest northeast. Precipitation general 0.50 to 3.50 in., heaviest central.

Days suitable for fieldwork 4.8. Soil moisture 36% short, 61% adequate, 3% surplus. Corn silking 98%, 94% 1984, 98% avg.; dough stage 65%, 34% 1984, 47% avg.; dented 14%, 2% 1984, 9% avg. Corn 14% fair, 44% good, 42% excellent. Soybeans blooming 92%, 87% 1984, 86% avg.; setting pods 64%, 51% 1984, 52% avg. Soybeans 12% fair, 65% good, 23% excellent. Winter wheat harvested 100%, 100% 1984, 100% avg. Oats harvested 94%, 87% 1984, 85% avg. Alfalfa third crop cut 29%, 25% 1984, 20% avg.; 27% fair, 63% good, 10% excellent. Sorghum 17% fair, 71% good, 12% excellent. Pasture 7% poor, 40% fair, 48% good, 5% excellent.

INDIANA: Mild, temperatures 1 to 30 below normal. Extremes low 90's to high upper 80's, lows in 40's north to low 50's central, south. Rainfall averaged 0.75 in. from 0.25 to over 3.00 in.

Fieldwork averaged 4.9 days. Topsoil moisture 45% short, 50% adequate, 5% surplus. Subsoil moisture 58% short, 41% adequate, 1% surplus. Corn 7% poor, 39% fair, 47% good, 7% excellent. Corn 95% silked, 85% 1984, 80% avg.; 30% in dough, 15% 1984, 30% avg. Soybeans 2% poor, 41% fair, 51% good, 6% excellent. Soybeans 92% in bloom, 85% 1984, 80% avg. Soybeans 35% setting pods, 25% 1984, 30% avg. Oats 95% combined, 65% 1984, 80% avg. Alfalfa 95% cut twice, 90% 1984, 85% avg. Wheat land 6% plowed, 7% 1984, 8% avg. Wheat 100% harvested, 100% 1984, 100% avg.

IOWA: Temperatures 6 to 70 below normal from 430 on 2nd to 880 on 4th. Moderate to locally heavy rains southern districts to 6.00 in. causing stream flooding. Light rains over northern two-thirds State. Pan evaporation 0.20 in.

Days suitable for fieldwork 4.8. Topsoil moisture 50% short, 47% adequate, 3% surplus. Subsoil moisture 65% short, 35% adequate. Corn silked 96%, 84% 1984, 88% avg. Corn dough stage 17%, 9% 1984, 12% avg. Corn 1% poor, 24% fair, 57% good, 18% excellent. Soybeans blooming 94%, 87% 1984, 85% avg. Soybeans setting pods 68%, 59% 1984, 55% avg. Soybeans 1% poor, 24% fair, 57% good, 18% excellent. Oats harvested 100%, 87% 1984, 88% avg. Second crop clover hay harvested 92%, 57% 1984, 64% avg. Hay 10% poor, 50% fair, 37% good, 3% excellent. Pastures 5% very poor, 37% fair, 19% good, 1% excellent. Livestock good, little heat stress.

KANSAS: Precipitation averaged 0.20 in. southeast and east central, 2.00 to over 3.00 in. northwest, 1.00 over 1.50 in. elsewhere. Temperatures

averaged 790 southeast, south central, 73 to 770 elsewhere; 20 below normal southeast, west central to 60 below normal north central.

Days suitable for fieldwork 3.5. Topsoil moisture 23% short, 59% adequate, 18% surplus. Subsoil moisture 23% short, 75% adequate, 2% surplus. Corn 96% silking, 90% 1984, 75% avg. Corn 40% dough, 30% 1984, 25% avg. Corn 4% poor, 19% good, 77% excellent. Sorghum 20% headed, 25% 1984, 20% avg. Sorghum 3% poor, 9% fair, 21% good, 67% excellent. Soybeans 60% blooming, 65% 1984, 50% avg. Soybeans 30% podding, 30% 1984, 20% avg. Soybeans 1% poor, 6% fair, 27% good, 66% excellent. Third cutting alfalfa 50% complete, good progress. Range, pasture showing good improvement following rain, cool weather.

KENTUCKY: Heavy but spotty rains. Totals averaged about 1.00 in. but ranged from no measureable rainfall at Louisville to over 7.00 in. at Quicksand. Temperature highs in 90's; nighttime lows dipped into 50's on 2nd. Temperature averaged near normal to 20 below normal.

Days suitable for fieldwork 4.1. Soil moisture 21% short, 69% adequate, 10% surplus. Corn 18% fair, 61% good, 21% excellent. Corn 92% silked, 80% 1984, 78% avg.; 40% dough, 12% 1984, 14% avg. Soybeans 24% fair, 63% good, 13% excellent. Soybeans 56% blooming, 56% 1984, 53% avg.; 18% setting pods, 15% 1984, 15% avg. Tobacco maturing early. Burley 58% topped, 20% 1984, 20% avg. Tobacco 1% poor, 28% fair, 65% good, 6% excellent. Blue mold, black shank primary diseases, grasshoppers prevalent. Pastures 5% poor, 32% fair, 48% good, 15% excellent.

LOUISIANA: Temperatures averaged 10 below normal to 30 above normal. Temperature extremes 640; 1000. Rain totals averaged none to 1.01 in.

Days suitable for fieldwork 5.3. Soil moisture 25% short, 61% adequate, 4% surplus. Cotton 64% fair, 36% good; 99% setting bolls, 89% 1984, 88% avg. Cotton 1% open bolls, none 1984, 2% avg. Rice 29% fair, 71% good; 81% headed, 75% 1984, 73% avg. Rice 28% ripe, 25% 1984, 25% avg.; 16% harvested, 18% 1984, 16% avg. Soybeans 5% poor, 36% fair, 57% good, 2% excellent; 74% blooming, 66% 1984, 62% avg. Soybeans 41% setting pods, 40% 1984, 36% avg. Sorghum 52% fair, 48% good; 96% headed, 93% 1984, 88% avg. Sorghum 67% turning color, 61% 1984, 54% avg.; 18% ripe, 11% 1984, 16% avg. Sorghum 5% harvested, 3% 1984, 5% avg. Corn fair to good; 99% dough stage, 95% 1984, 95% avg. Corn 81% mature, 61% 1984, 62% avg.; 17% harvested, 9% 1984, 21% avg. Sweetpotatoes good; 8% harvested, 5% 1984, 8% avg. Peaches good; 93% harvested, 91% 1984, 94% avg. Pastures, livestock, sugarcane fair to good; vegetables fair.

MARYLAND & DELAWARE: Maryland: Cool, wet. Temperature 1 to 40 below normal. Lows mid 50's to low 60's; highs near 90. Precipitation 1.13 in., ranging from 0.50 to 2.27 in.

Fieldwork 4.6 days suitable. Topsoil moisture adequate except on lower shore. Subsoil moisture short except extreme west, north central topsoil moisture adequate. Corn fair to good. Corn 90% silked, 85% 1984, 90% avg. Corn 55% dough, 40% 1984, 45% avg.; dented 15%, 5% 1984, 15% avg. Soybeans mostly good. Soybeans 50% dented, 40% 1984, 45% avg. Soybeans 15% podded, 15% 1984, 20% avg. Tobacco 75% bloomed; 45% topped. Hay harvest well ahead of 1984. Third cutting alfalfa hay 50% complete, 30% 1984, 30% avg. Second cutting other hay completed about a month ahead of last year's 75% but near 90% avg. Third cutting of other hay 60% complete, none 1984, 20% avg. Vegetable harvest remains well ahead of 1984.

Peach harvest 65% complete, 35% 1984, 30% avg. Delaware: Wet, cool. Temperatures averaged 1 to 30 below normal. High temperatures high 80's, low temperatures high 50's to low 60's. Precipitation over 2.00 in., ranging from 0.48 to 3.25 in.

Days suitable for fieldwork 5.0. Topsoil moisture adequate. Subsoil moisture short. Corn fair to good. Corn 90% silked, 80% 1984, 90% avg. Corn 45% dough stage, 25% 1984, 50% avg. Corn 20% dented, none 1984, 15% avg. Soybeans good. Soybeans 65% bloomed, 45% 1984, 40% avg. Soybeans 30% podded, 5% 1984, 10% avg. Third cutting of alfalfa hay 95% complete, 77% 1984, 45% avg. Third cutting of other hay 35% complete; 1984 just beginning, 10% avg.

MICHIGAN: Temperatures averaged 20 below normal. Precipitation light to moderate.

Days suitable for fieldwork 5.5. Soil moisture supplies 63% short, 37% adequate. Timely rains improve crop prospects. Corn 80% silked, 80% 1984, 78% avg.; 10% dough, 5% 1984, 10% avg. Corn 5% poor, 25% fair, 50% good, 20% excellent. Soybeans 75% blooming, 80% 1984, 79% avg.; 20% setting pods, 25% 1984, 26% avg. Soybeans 5% poor, 25% fair, 50% good, 20% excellent. Winter wheat 98% harvested, 95% 1984, 82% avg. Winter wheat 5% poor, 20% fair, 45% good, 30% excellent. Oats 30% harvested, 15% 1984, 19% avg. Dry beans 20% setting pods, 20% 1984, 32% avg. Dry beans 5% poor, 30% fair, 50% good, 15% excellent. Fruit, vegetables developing normally. Tart cherry picking 96% complete, 85% 1984, 85% avg. Apple, peach quality excellent. Timely rains improve vegetable crop prospects.

MINNESOTA: Cool temperatures, light rains. Temperatures averaged 2 to 70 below normal. Temperature extremes 430; 880. Precipitation averaged 0.84 in. above normal northwest; 0.11 to 0.77 in below normal, elsewhere. Greatest weekly total 2.67 in.

Days suitable for fieldwork 5.0. Topsoil moisture 27% short, 71% adequate, 2% surplus. Corn 94% tasseling, 91% 1984, 91% avg.; 37% milk, 20% 1984, 22% avg.; 2% dough, 1% 1984, 2% avg. Corn 2% very poor, 5% poor, 24% fair, 53% good, 16% excellent. Soybeans 91% blooming, 89% 1984, 90% avg.; 42% setting pods, 38% 1984, 37% avg. Soybeans 4% poor, 32% fair, 49% good, 15% excellent. Spring wheat 80% turning ripe, 89% 1984, 89% avg.; 12% harvested, 8% 1984, 13% avg.; 1% poor, 16% fair, 66% good, 17% excellent. Oats 96% turning ripe, 97% 1984, 96% avg.; 46% harvested, 32% 1984, 34% avg. Barley 95% turning ripe, 98% 1984, 96% avg.; 30% harvested, 37% 1984, 41% avg. Sunflowers 25% blooming, 45% 1984, 54% avg.

MISSISSIPPI: Temperatures averaged near normal. Extremes 630; 990. Greatest 24-hour rainfall 2.07 in.

Fieldwork 5.0 days suitable, 5.5 1984, 5.3 avg. Soil moisture 28% short, 61% adequate, 11% surplus. Corn 95% dough, 88% 1984, 90% avg.; 32% mature, 18% 1984, 27% avg.; 12% poor, 20% fair, 64% good, 4% excellent. Cotton 99% setting bolls, 69% 1984, 79% avg.; 5% poor, 25% fair, 50% good, 20% excellent. Rice 76% heading, 34% 1984, 41% avg.; 100% good. Soybeans 77% blooming, 59% 1984, 66% avg.; 37% podding, 15% 1984, 26% avg.; 4% poor, 26% fair, 70% good. Grain sorghum 92% heading, 78% 1984; 20% ripe; 28% fair, 68% good, 4% excellent. Corn silage 39% harvested, 25% 1984. Sorghum silage 35% harvested, 24% 1984. Hay 69% harvested, 63% 1984, 70% avg. Watermelons 75% harvested, 59% 1984. Peaches 94% harvested, 84% 1984, 80% avg.; 11% very poor, 22% poor, 45% fair, 22% good. Pastures 4% poor, 39% fair, 48% good, 9% excellent.

MISSOURI: Temperatures generally below normal, only reaching 90's midweek. Daytime highs generally 80's except some 70's northern portion. Rain across north and central sections with thunderstorms producing locally heavy amounts of 2.00 to 4.00 in.

Days suitable for fieldwork 4.2. Topsoil moisture 45% short, 49% adequate, 6% surplus. Corn 2% poor, 30% fair, 56% good, 12% excellent. Silking 100%, 76% 1984, 82% avg.; dough 70%, 32% 1984, 40% avg.; dent 28%, 14% 1984, 16% avg. Soybeans 2% poor, 31% fair, 57% good, 10% excellent. Blooming 74%, 63% 1984, 59% avg.; setting pods 47%, 26% 1984, 26% avg. Grain sorghum 3% poor, 43% fair, 50% good, 4% excellent; heading 58%, 66% 1984, 57% avg. Cotton 40% fair, 60% good. Squaring 100%, 100% 1984, 97% avg.; setting bolls 100%, 97% 1984, 83% avg. Winter wheat harvested 100%, 100% 1984, 96% avg. Third crop alfalfa 44% cut. Pasture condition 20% poor, 50% fair, 26% good, 4% excellent.

MONTANA: Heavy rain over most of State. Up to 5.00 in. north central, northeast. Northwest continued generally dry. Below normal temperatures east, southwest; little above west. Eastern third 5 to 10° below normal. Highest 100° at Thompson Falls.

Days suitable for fieldwork 5.5. Topsoil moisture 91% short, 9% adequate. Subsoil moisture 100% short. Crop progress: Winter wheat turning color 5%, 15% 1984, 40% avg.; ripe but not harvested 55%, 45% 1984, 40% avg.; harvested for grain 40%, 40% 1984, 20% avg. Spring wheat headed and still green 5%, 15% 1984, 30% avg.; turning color 35%, 55% 1984, 50% avg.; ripe but not harvested 45%, 25% 1984, 15% avg.; harvested for grain 15%, 5% 1984, 5% avg. Barley headed and still green 5%, 10% 1984, 25% avg.; turning color 35%, 45% 1984, 50% avg.; ripe but not harvested 40%, 30% 1984, 20% avg.; harvested for grain 20%, 15% 1984, 5% avg. Oats headed and still green 5%, 15% 1984, 25% avg.; turning color 35%, 50% 1984, 45% avg.; ripe but not harvested 40%, 25% 1984, 20% avg.; harvested for grain 20%, 10% 1984, 10% avg. Alfalfa hay second cutting 60%, 20% 1984, 20% avg. Wild hay 95% cut. Irrigation water 80% short, 20% adequate. Range feed supplies 100% short.

NEBRASKA: Precipitation ranged from 0.10 in. northeast to 4.15 Panhandle. Heaviest rains southwest, Panhandle, south central. Average temperatures ranged from 4 to 9° below normal.

Days suitable for fieldwork 2.7. Topsoil moisture 9% short, 77% adequate, 14% surplus. Subsoil moisture 40% short, 58% adequate, 2% surplus. Winter wheat harvest 100%, 93% 1984, 95% avg. Oat harvest 95%, 80% 1984. All corn 12% fair, 55% good, 33% excellent. Irrigated corn 7% fair, 53% good, 40% excellent. Non-irrigated corn 1% poor, 24% fair, 59% good, 16% excellent. Corn silking 94%, 80% 1984, 80% avg. Corn dough 10%, 8% 1984, 15% avg. Soybeans 9% fair, 70% good, 21% excellent. Soybeans blooming 98%, 80% 1985, 80% avg. Soybeans setting pods 50%, 30% 1984, 30% avg. Sorghum 11% fair, 75% good, 14% excellent. Sorghum headed 45%, 25% 1984, 40% avg. Alfalfa 9% poor, 27% fair, 63% good, 1% excellent. Second cutting 92%, 80% 1984, 93% avg. Third cutting 5%, 2% 1984, 10% avg.

NEVADA: Cooling trend northwest started early week, temperatures recovered to near normal by end of period. Average temperature down all areas ranging 2 to 5° below normal. Precipitation totals generally light all areas. Strong winds locally in association with thunderstorms. Small grain harvest progressing farther north. Alfalfa hay harvest slowed by scattered showers some localities. Garlic harvest in progress.

NEW ENGLAND: Precipitation range from 2.00 to 3.00 in. from southern Maine through eastern Massachusetts; from 1.00 to 2.00 in. elsewhere. Temperatures ranged from low 60's over northern mountain areas to near 70° over the southern coastal sections.

Days suitable for fieldwork 5.5. Soil moisture 50% short, 50% adequate north; 100% adequate south. Fieldwork progress on schedule. First crop hay 100% cut, 100% 1984, 100% avg. Second crop hay 50% cut, 50% 1984, 50% avg.; quality good to excellent. Field corn 60% good, 40% excellent. Rhode Island potatoes 10% dug, on schedule with 1984, normal. Sweet corn 30% harvested in southern States; quality good to excellent all areas. Small fruit harvest active. Massachusetts cranberries sizing well.

NEW JERSEY: Temperatures averaged 5° below normal. Extremes 40°; 92°. Rainfall averaged 0.49 in. north, 0.69 in. central, 0.60 in. south. Heaviest 24-hour total 3.25 in. on 31st to 1st. Estimated soil moisture, in percent of field capacity, averaged 86% north, 83% central, 81% south. Four inch soil temperatures averaged 69° north, 72° central, 73° south.

Near ideal weather conditions advanced crop growth. Most crops good to excellent. Summer vegetable harvest very active. Planting of fall vegetables neared completion. Blueberry harvest winding down. Peach movement continued to increased. Summer variety apple marketings steady; fall varieties making good size. Oat harvest general. Wheat, rye combining well advanced. Hay, pasture growth responding to timely rains.

NEW MEXICO: Unusually wet, cool over west, central, northeast; 1.00 to 2.00 in. rain from thunderstorms. Temperatures above normal over southeast; meager rain. Temperatures 46° northern mountains to 100° southeastern Plains. Precipitation none to 3.00 in., northern mountains.

Days suitable for fieldwork 5.3. Soil moisture 27% short, 73% adequate. Hail damage 78% none, 22% light. Alfalfa 33% fair, 67% good. Cotton 17% fair, 83% good; 100% squaring, 99% 1984, 99% avg.; 95% setting bolls, 98% 1984, 92% avg. Corn 75% good, 25% excellent. Irrigated sorghum 20% fair, 80% good. Dryland sorghum 33% fair, 67% good. Pecans 25% fair, 75% good. Apples 40% fair, 60% good. Chile 17% fair, 83% good; harvest underway. Onions 75% good, 25% excellent. Cattle 22% fair, 78% good. Sheep 22% fair, 78% good. Range 44% fair, 56% good.

NEW YORK: High pressure controlled weather. Cold front moved across State from Canada early week; resulted in 0.50 in. of rain to northwest State 29th. More rain on 31st. Temperatures below normal, Canadian air covered region much of week.

Days suitable for fieldwork 5.5. Soil moisture mostly adequate, some short. Most corn tasseled, some pollinating. Good wheat yields. Wheat harvest 60% complete, 68% avg. Oat harvest 9% complete, 6% 1984, 15% avg. Second cut alfalfa hay harvest 43% complete, 50% 1984, 52% avg. Dry beans blooming. Sweet corn, cabbage, lettuce, onions, potatoes harvested. Early apple varieties, peaches harvested. Pastures fair to good.

NORTH CAROLINA: Temperature ranged 3 to 5° below normal across State. Rainfall ranged from 0.51 to 4.72 in. across State.

Days suitable for fieldwork 3.1. Soil moisture 2% short, 50% adequate, 48% surplus. Tobacco 16% fair, 70% good, 14% excellent; harvested 15%, 19% 1984, 29% avg. Corn 10% poor, 29% fair, 52% good, 9% excellent; silked 100%, 96% 1984, 95% avg.; soft dough 89%, 70% 1984, 76% avg.; dent 70%, 31%

1984, 50% avg. Cotton 18% fair, 77% good, 5% excellent; squared 100%, 91% 1984, 94% avg.; bloomed 89%, 77% 1984, 74% avg. Peanuts 10% fair, 85% good, 5% excellent. Soybeans 19% fair, 72% good, 9% excellent; flowered 35%, 37% 1984, 38% avg.; pods set 17%, 9% 1984, 11% avg. Hay 1% poor, 33% fair, 63% good, 3% excellent. Sweetpotatoes 9% fair, 79% good, 12% excellent. Apples 36% poor, 50% fair, 14% good. Pasture 4% poor, 30% fair, 63% good, 3% excellent. Major farm activities; topping, suckering and harvesting tobacco, spraying soybeans and peanuts, spraying and harvesting vegetables, scouting for weed and insect control, harvesting hay, spraying apples, and general farm maintenance.

NORTH DAKOTA: Scattered thunderstorms brought widespread rains. Of 34 reporting points, only 2 reported no rain or a trace of rain. Most stations averaged around 0.50 to 1.00 in. Most rain New Salem with 1.81 in. Divisional averages ranged from 0.10 in. in northeast division to 1.51 in. southwest. Even with this week's rain, all divisions still below normal for summer. Temperatures well below normal. Divisional averages ranged from 40 below normal northwest to 80 below normal west central. Temperature extremes: 400 on 29th; 910 on 28th.

Soil moisture supplies improved, showers statewide. Topsoil supplies 46% short or very short, 54% adequate. Subsoil supplies 64% short or very short, 36% adequate. Barley 95% turning ripe or beyond, over one-half of in swath or combined. Hard red spring wheat harvest started, all districts. Hard red spring wheat 2% poor, 37% fair, 52% good, 9% excellent. Progress at 80% turning ripe or beyond, 66% 1984, 67% avg. Durum 5% poor, 34% fair, 45% good, 16% excellent. Barley 2% poor, 28% fair, 57% good, 13% excellent. Oats 2% poor, 50% fair, 46% good, 2% excellent. All late season crops except corn, flax improving or unchanged from a week ago. Crop development near normal for corn, flax, dry beans while sunflower, soybeans behind. Sunflower 22% bloom or beyond, 32% 1984, 33% avg. Sunflower 3% poor, 31% fair, 60% good, 6% excellent. Corn 16% poor, 48% fair, 36% good,

OHIO: Temperatures averaged 1 to 30 cooler than usual. Temperature extremes from high in upper 80s to lower 90s, lower upper 40s to lower 50s. Precipitation variable; minimal rainfall central fanning outward across southeast. Totals average 0.25 to 0.33 in., a few 1.00 in. plus scattered across State.

Days suitable 6.0. Topsoil moisture 37% short, 63% adequate. Corn 7% fair, 62% good, 31% excellent; silking 100%, 70% 1984, 80% avg.; dough 60%, 15% 1984, 20% avg. Soybeans 18% fair, 69% good, 13% excellent; blooming 98%, 85% 1984, 80% avg.; setting pods 70%, 30% 1984, 40% avg. Row crops still under moisture stress. Winter wheat 100% harvested, 99% 1984, 99% avg. Oats harvested 75%, 45% 1984, 70% avg. All hay good; alfalfa 2nd cutting 90%, 85% 1984, 80% avg.; 3rd cutting 15%. Other hay 2nd cut 75%, 65% 1984, 60% avg.; third cut beginning. Summer apple harvest 65%, potato harvest 15%, processing tomato harvest less than 5%. Tobacco topped 25%. Pasture fair to good.

OKLAHOMA: Temperatures averaged 30 below normal north central to 20 above normal south central, southeast. Precipitation averaged none southwestern third to 0.74 in. north central.

Days suitable for fieldwork 6.0. Topsoil moisture 67% short, 31% adequate, 2% surplus. Subsoil moisture 17% short, 83% adequate. Wheat 100% harvested, 100% 1984, 100% avg.; seedbed 10% prepared. Sorghum 32% fair, 65% good, 3% excellent. Sorghum 55% heading, 45% 1984, 55% avg. Major-producing area needs rain for crop

development. Cotton 20% fair, 80% good. Cotton 97% squaring, 90% 1984, 80% avg. Cotton 65% setting bolls, 35% 1984, 25% avg. Dryness causing cotton stress. Cattle grazing improved by recent moisture. Low prices slowed cattle movement. Horseflies active east.

OREGON: Widespread clouds, rainfall cooled most of State midweek. High winds, minor flooding south central, southeast. Coast averaged 1 to 20 above normal north to near normal south. Eastern temperatures below normal. Significant rainfall midweek all areas.

Soil moisture 96% short, 4% adequate. Winter wheat 66% fair, 34% good; 60% harvested, 38% 1984, 46% avg.; yields near average; harvest suspended midweek due to dampness. Barley 63% harvested. Grass seed harvest neared completion all areas. Spring grains turning color Klamath Basin. Willamette Valley red clover blooming. Mint harvest Malheur County. Alfalfa seed fields drying Malheur. Western hay growers at third cutting; east high elevations at second cutting. Some rain damage to downed hay all areas. Potatoes; sizing well central region; growing very well Klamath; Morgold harvest began Malheur; early harvest continued Hermiston-Boardman. Sweet corn harvest started Willamette Valley, development one to two weeks ahead of normal. Sweet corn harvest continued Jackson County, began Malheur County. Broccoli, snap bean harvests continued Willamette Valley, bean yields good. Malheur onion harvest started. Central areas: Vegetable seed crop pollinating, garlic seed harvest began. Pear development ahead of normal, early harvest Jackson County. Apples also ahead of normal; early picking began Willamette Valley. Each peach harvest underway, picked north central region. Raspberry harvest near complete, yields down. Blackberry harvest continued. Filbert growers spraying for moths where needed. Livestock in good condition. Few cattle marketing. Rainfall did not significantly improved ranges, pastures. High elevation range conditions good, lower rangeland dry.

PENNSYLVANIA: Average rainfall 0.67 in., 0.18 in. below normal. Average temperature 680, 30 below normal.

Days suitable for fieldwork 5.0. Soil moisture 12% short, 85% adequate, 3% surplus. Soybean 5% poor, 15% fair, 56% good, 24% excellent. Wheat harvested 89% complete, 77% 1984. Barley harvest virtually complete, same as 1984. Oats 56% harvested, 24% 1984. Potatoes 16% harvested, 5% 1984. Corn 1% very poor, 3% poor, 12% fair, 39% good, 45% excellent. Corn 58% silked, 44% 1984, 59% avg.; 9% dough, 3% 1984. Second crop alfalfa 89% harvested, 59% 1984. Third crop alfalfa 28% harvested, 6% 1984. Second cutting clo-tim 33% complete, 32% 1984. Quality of hay made 9% poor, 31% fair, 60% excellent. Amount of feed being obtained from pastures 22% below avg., 69% avg., 9% above avg. Apples 11% harvested, peaches 32% harvested. Activities: Harvesting hay, haylage, snap beans, sweet corn, potatoes, tomatoes; combining wheat and oats; baling straw, spraying alfalfa; fall plowing.

PUERTO RICO: Island average rainfall 0.66 in., 0.70 in. below normal. Highest weekly total 3.12 in. Highest 24-hour total 0.50 in. Temperature averaged about 81 to 82° on coasts, 76 to 79° interior divisions. Mean station temperature ranged from 69 to 84°. Extremes 62°; 94°. Total rainfall 0.13 in., minus 1.07 in.

SOUTH CAROLINA: Weather though midweek, humid. Drier, cooler late week. Unseasonable mild late week. High temperatures upper 70's to low 80's;

lows in 50's. Thunderstorms early week, tapered off late week.

Days available for field activities 2.4. Soil moisture 7% short, 64% adequate, 29% surplus. Soybeans 18% fair, 79% good, 3% excellent. Soybeans blooming 50%, 32% 1984, 41% avg.; setting pods 16%, 11% 1984, 11% avg. Cotton 32% fair, 67% good, 1% excellent. Cotton squared 100%; 96% setting bolls, 88% 1984, 96% avg. Tobacco good 35% harvested, 53% 1984, 50% avg. Peach fair; 95% harvested, 81% 1984, 82% avg. Apples fair; 10% harvested, 4% 1984, none avg. Pastures, hay fair to good.

SOUTH DAKOTA: Average temperature 3 to 80 below normal. Extremes 440; 950. Precipitation widespread but spotty.

Days suitable for fieldwork 4.2. Topsoil moisture adequate eastern quarter, critically short western quarter, short elsewhere; 17% critically short, 45% short, 36% adequate, 2% surplus. Subsoil moisture adequate eastern quarter, critically short western half, short elsewhere; 25% critically short, 40% short, 34% adequate, 1% surplus. Corn 2% very poor, 4% poor, 16% fair, 53% good, 25% excellent. Corn 66% silked, 48% 1984, 60% avg. Corn 8% dough, 6% 1984, 4% avg. Winter wheat 92% harvested, 84% 1984, 86% avg. Spring wheat 46% harvested, 25% 1984, 45% avg. Sorghum 5% very poor, 5% poor, 19% fair, 67% good, 4% excellent. Sorghum 23% headed, 16% 1984, 30% avg. Soybeans 1% poor, 5% fair, 72% good, 22% excellent. Soybeans 77% blooming, 54% 1984, 83% avg. Soybeans 36% podding, 24% 1984, 34% avg. Range, pastures good eastern one-third, fair central and south central, poor elsewhere. Feed, stockwater supplies adequate east, short west.

TENNESSEE: Precipitation scattered across State; most in east. Amounts averaged 0.25 to 1.00 in. in east; less in west. Temperatures averaged higher in west.

Farmers averaged 4.0 days suitable for fieldwork. Soil moisture 27% short, 61% adequate, 12% surplus. Corn 96% tasseled, 92% 1984, 88% avg.; 65% dough, 35% 1984, 55% avg.; 30% dent, 12% 1984, 20% avg.; 3% poor, 17% fair, 65% good, 15% excellent. Cotton 85% setting bolls, 65% 1984, 70% avg.; 5% open bolls, 1% 1984, 1% avg.; 5% poor, 6% fair, 78% good, 11% excellent. Sorghum 76% headed; 20% colored; 14% fair, 82% good, 4% excellent. Soybeans 60% blooming, 65% 1984, 60% avg.; 30% setting pods, 14% 1984, 15% avg.; 3% poor, 12% fair, 83% good, 2% excellent. Tobacco 50% topped. Burley 4% harvested; dark-fired 1% harvested; dark air-cured 4% harvested. Tobacco 2% very poor, 42% fair, 51% good, 6% excellent. Pasture 1% very poor, 7% poor, 49% fair, 38% good, 5% excellent.

TEXAS: Dry field conditions continued as high pressure persisted over State. Weather pattern diverted winds from southeasterly direction to dry southwest flow. Tropical moisture fringes high pressure, unstable air Trans-Pecos, northern Panhandle. Frontal boundary slowly sagged southward triggering storms Panhandle, northeast later week. Some severe weather north, east late week. Thunderstorms moved in off Gulf, persistent high pressure limited rainfall to upper coastal areas. Temperatures at or just slightly above normal. Normal temperatures yearly highs.

Crops: Grain sorghum 76% headed, 71% 1984, 77% avg.; 62% turning color, 60% 1984, 64% avg.; 46% mature, 53% 1984, 54% avg.; 36% harvested for grain, 47% 1984, 47% avg. Condition 90% of normal, 68% 1984. Sorghum 14% fair, 66% good, 20% excellent. Harvest good progress central, south. Harvest activities increased Blacklands. Early yields Blacklands good. Dryland fields high

UTAH: Thunderstorm showers left light precipitation at some stations in western desert; elsewhere, accumulations ranged from light to very heavy. Temperatures averaged 20 below normal, ranging from 40 below to 20 above.

Days suitable for fieldwork 6.0. Soil moisture generally short to adequate. Good harvest weather mid to end of week. Winter wheat, barley harvest progressing well. Yields generally good but poor in western areas because of grasshoppers. Winter wheat 33% harvested; 91% ripe. Barley 35% harvested; 86% ripe. Spring wheat, oat harvests just beginning. Corn averaged height 73 in.; 71% tasseling. Second cut alfalfa 71% completed, some rain damaged. Tart cherry, apricot harvest almost complete. Hail, heavy rain caused quality loss in cherries. Range feed fair to good. Livestock good.

VIRGINIA: Mostly cloudy, humid through week with temperatures averaging 20 below normal. Some rainfall each day averaging 1.25 in. Range 0.30 to 2.75 in. Most southeast, southwest regions.

Days suitable for fieldwork 3.7. Topsoil moisture 18% short, 59% adequate, 23% surplus. Crop conditions improved with rainy weather although wet conditions inhibited fieldwork. Corn good to excellent. Corn 85% silk stage, 84% 1984, 87% avg. Corn 48% dough stage, 41% 1984, 53% avg. Corn 23% dent stage, 22% 1984, 23% avg. Soybeans good to excellent. Soybeans 42% blooming good to excellent although wet fields slowed sucker control, topping. Flue tobacco 7% harvested, 11% 1984, 16% avg. Fire-cured tobacco 3% complete, 3% 1984, 8% avg. Sun-cured, burley tobacco harvest just starting. Apple harvest beginning, peach harvest winding down. Hay, pasture good to excellent. Rain produced excellent yields. Livestock good to excellent.

WASHINGTON: Midweek showers produced first significant precipitation since early June. Daytime temperatures 10 to 250 below previous week.

Days suitable for fieldwork 6.4. Soil moisture 55% poor, 45% fair; range, pasture 67% short, 33% adequate; hay supplies 27% short, 73% adequate. Winter wheat harvested 46%, 33% 1984, 41% avg.; spring wheat 40% harvested, 7 days ahead of average. Barley 44% harvested, equal to 1984 and 8 days ahead of average. Harvest of sweet corn, processing peas, cauliflower, broccoli, cucumbers continued. Raspberry harvest over. Blueberries in full swing. Peach, apricot harvest continued.

WEST VIRGINIA: Temperatures ranged from 1 to 30 below normal. Low 410 Greenbank; high 960 Romney. Weekly average 700. Precipitation above normal in southern, central, southwest divisions. Elsewhere, rainfall totals below normal. Most 2.76 in. Williamson. Least rainfall Morgantown 0.13. Weekly average 0.99 in.

Days worked 4.0. Soil moisture short to adequate. Harvesting hay, gardening, clipping pastures.

WISCONSIN: Average temperatures 1 to 70 below normal. Precipitation 0.20 to 0.40 in. north, 0.30 to 0.40 in. central, 0.40 to 0.60 in. south.

Days suitable for fieldwork 5.9. Soil moisture 58% short, 42% adequate. General crop condition, 3% very poor, 9% poor, 49% fair, 38% good, 1% excellent. Corn 3% very poor, 4% poor, 40% fair, 46% good, 7% excellent. Corn silked 66%, 70% 1984, 65% avg.; dough 13%, 12% 1984, 12% avg. Second cutting of hay 76% complete, 66% 1984, 60% avg. Third cutting of hay 4% complete, none 1984, none avg. Oats 41% harvested, 31% 1984, 27% avg. Winter wheat 80% harvested, 47% 1984, 53% avg. Early apples picked most areas. Tobacco topping out, north and south areas; northern very uneven,

short due to resetting. Soybeans fair to good. Pasture 60% of normal, 78% 1984, 78% avg.

remained good. Market slow. Goat shearing continued.

WYOMING: Temperatures near or slightly below normal. Precipitation generally above normal, eastern quarter very wet. Cheyenne airport 6.65 in. about 50% of annual norm.

Days suitable for fieldwork 5.0. Topsoil moisture 50% short, 50% adequate. Winter wheat 25% mature, 70% 1984; 75% harvested, 15% 1984, 35% avg. Barley 25% turning color, 45% 1984, 50% mature, 30% 1984; 15% harvested, 5% 1984, 10% avg. Spring wheat 30% turning color, 60% 1984, 60% avg.; 35% mature, 15% 1984, 25% avg.; 25% harvested, 5% avg. Oats 30% turning color, 55% 1984; 35% mature, 15% 1984; 15% harvested, 5% avg. Second cutting alfalfa 20% complete. Other hays 70% harvested. Potatoes 95% in bloom, 90% 1984, 75% avg. Dry beans 60% in bloom, 95% 1984, 75% avg. Corn 65% tasseled, 55% 1984, 50% avg. Sugarbeets 44% fair, 19% good, 37% excellent. Fall grazing 55% poor, 30% fair, 15% good. Cattle movement off ranges continued.

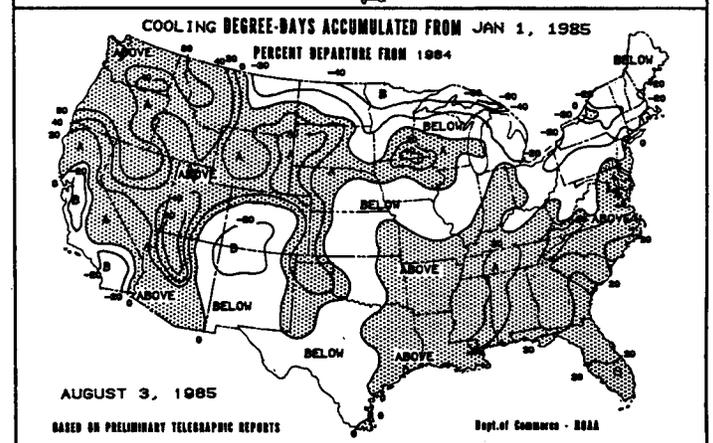
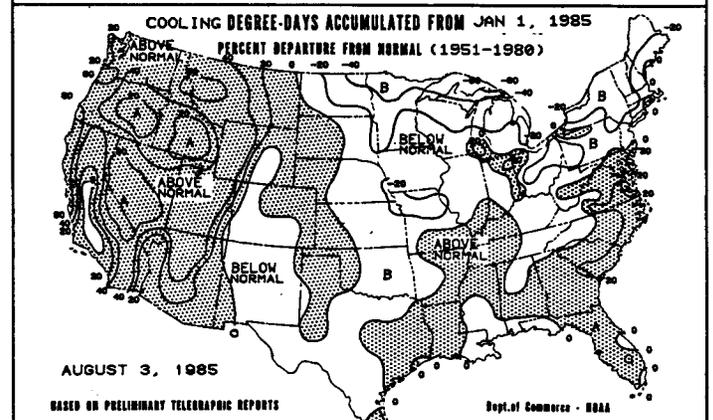
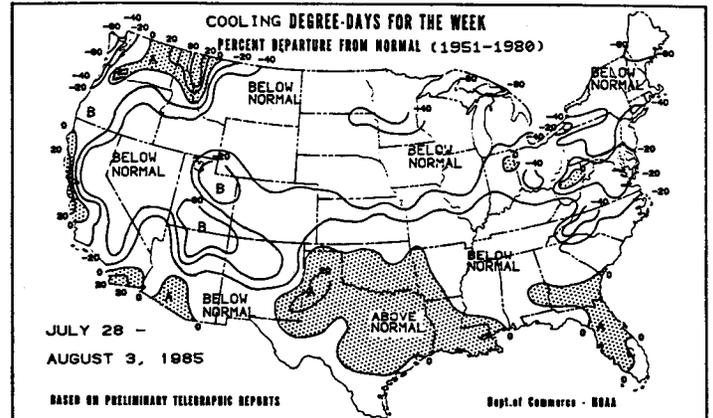
Plains benefitted scattered showers; area still needs additional moisture. Irrigation continued, fields look good. Harvest activities Valley, Coastal Bend nearing completion. Corn 96% silked; 76% doughing; 60% dented; 39% mature; 8% harvested, 27% 1984, 19% avg. Condition 89% of normal, 69% 1984. Corn 19% fair, 57% good, 24% excellent. Harvesting continued central, south, activities increased Blacklands. Early yields all areas look good. Harvesting should get underway Rio Grande Valley soon. Irrigation steady Plains. Dryland fields could use additional rainfall. Cotton 90% squaring, 91% 1984, 94% avg.; 53% setting bolls, 57% 1984, 60% avg., 7% open bolls, 8% 1984, 9% avg.; 4% harvested, 4% 1984, 3% avg. Condition 80% of normal, 68% 1984. Cotton 1% poor, 39% fair, 46% good, 14% excellent. Fields high, low Plains varied progress depending amount recent rainfall. Insect problems light populations may be increasing soon. Fields maturing rapidly Blacklands, central, east, south. Harvest activities started Coastal Bend. Harvest picked up Rio Grande Valley because rapid development. Rice 65% headed, 100% 1984, 99% avg.; 31% turning color, 76% 1984, 88% avg.; 6% harvested, 13% 1984, 38% avg. Condition 90% of normal. Rice 7% fair, 69% good, 24% excellent. Cutting advanced into other counties along Upper Coast. Fields look good most counties. Peanuts continued show good growth, potential for good crop many areas. Additional rainfall southern areas needed soon. Soybeans good condition most areas. Fields continued blooming Plains. Crop potential good along Upper Coast. Other crops oats 100% harvested, 100% 1984, 100% avg.

Commerical Vegetable: Rio Grande Valley, light supplies okra, tomatoes available. Land preparation fall vegetables continued. San Antonio-Winter Garden, land preparation fall vegetables main activity. Scattered fields watermelons remain. East growers started irrigating some sweetpotato fields again. Some early fields harvested. Harvest peas, tomatoes, melons light. High Plains, potato, onion harvest continued. Yields varied poor to good. Cucumber harvest should begin next week. Trans-Pecos, cantaloup harvest continued. Some rainfall decreased wilt chilies. Late variety peach harvest winding down central, east. First harvest high Plains. Pecan remained good, minor problems aphids. Some areas need rain to prevent heavy droppage.

Range and Livestock: Ranges beginning show signs drying out many areas. Recent showers Plains offset by high temperatures. General rain would boost conditions. Haying operations remained slow because dry conditions. Livestock

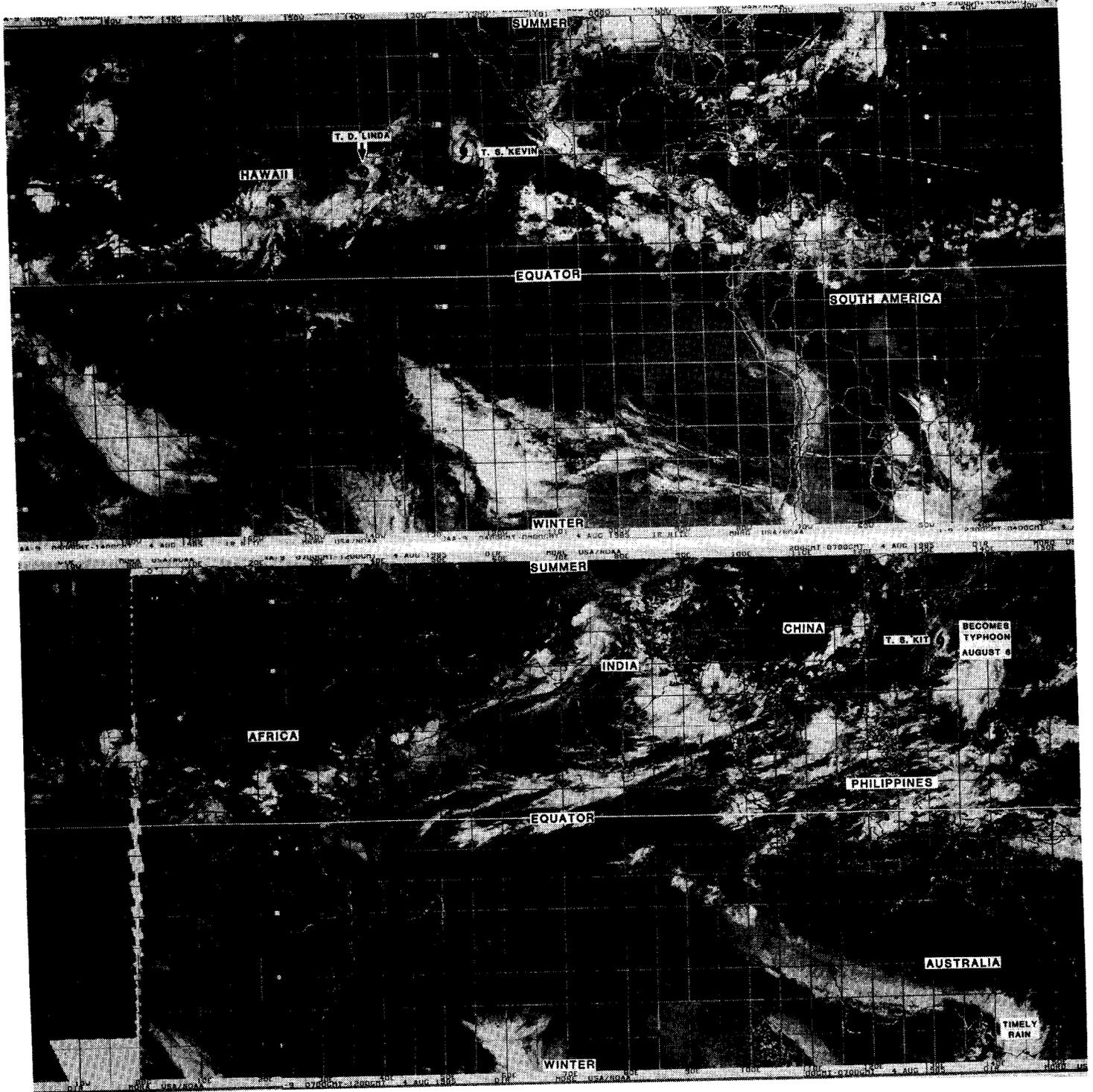
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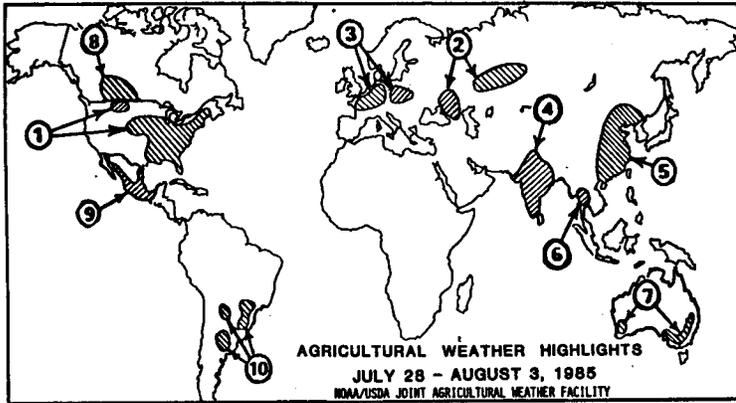
GLOBAL WEATHER SATELLITE PHOTO

August 4



International Weather and Crop Summary

July 28 - August 3

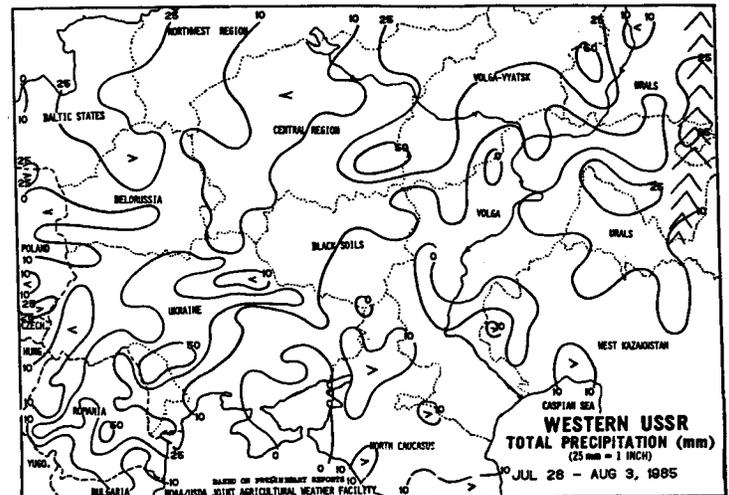
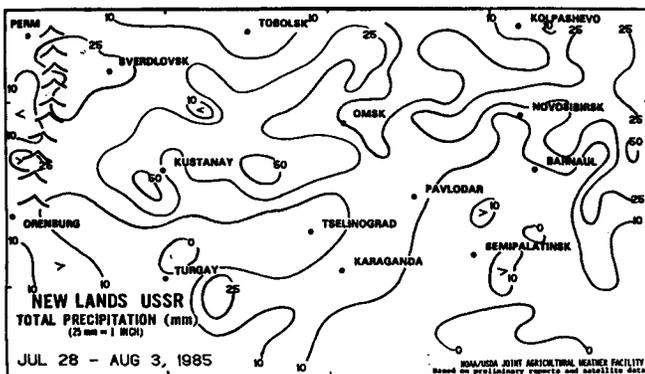


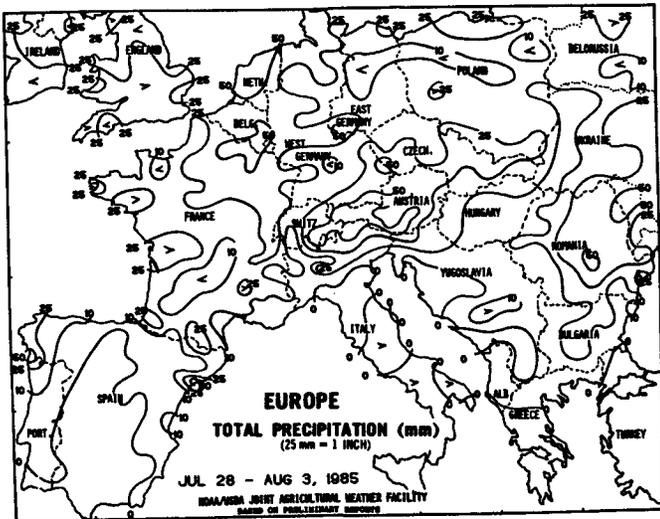
HIGHLIGHTS

1. UNITED STATES ... Rain across most of the eastern half of the Nation improves crops. Heavy rain over eastern Montana arrives too late for this year's wheat but lessens the drought.
2. USSR ... In Western USSR, mostly dry weather in the southeast aids harvesting. In the New Lands, wet weather for the fourth consecutive week benefits spring grains.
3. EUROPE ... Wet weather in France, West Germany, Poland, and Czechoslovakia delays harvesting.
4. SOUTH ASIA ... Monsoon rain benefits autumn rice nearing reproduction, and recently planted cotton and groundnuts.
5. EASTERN ASIA ... Typhoon Jeff causes flooding in China and North Korea. Dry weather in the south is unfavorable for late rice crops.
6. SOUTHEAST ASIA ... Substantial rain falls over eastern portions of Thailand, while highly variable amounts fall over the remainder of Southeast Asia.
7. AUSTRALIA ... Relatively dry weather prevails in the wheat region and soil moisture remains limited.
8. CANADA ... Rain in southern Manitoba, southern Saskatchewan, and extreme southeastern Alberta aids immature crops. Early seeded spring grains are maturing.
9. MEXICO ... Drying during the past few weeks is causing crop stress in part of the southern Plateau corn belt.
10. SOUTH AMERICA ... Drier weather in Argentina aids wheat planting, following improved moisture conditions. Locally heavy rain fell over Brazil's southern wheat.

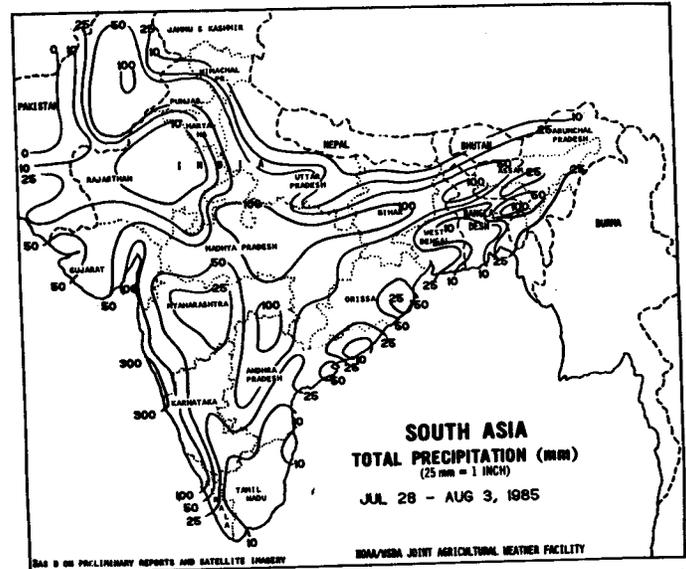
USSR...Mostly dry weather covered the eastern Ukraine, North Caucasus, eastern Black Soils Region, and the Volga Valley, aiding the winter and spring grain harvests. In contrast, widespread showers (around 25mm) in the central Ukraine and the northern Black Soils Region likely caused harvest delays. Reports indicate that as of July 29, small grains and pulses, excluding corn, were about 20 percent harvested. Winter grains are maturing across the extreme northern portion of Western USSR, while spring grains are in the late-filling stage. Corn in the Ukraine and North Caucasus is in the reproductive period.

In the New Lands, wet weather continued over most spring grain areas. Crop areas in the west received the heaviest rain with precipitation amounts ranging from 25 to 50mm. Lighter amounts of rain (0 to 10mm) covered crop areas around Barnaul and Semipalatinsk. Weekly temperatures were near normal in the west and, in the east, above-normal temperatures enhanced crop growth. In South Central USSR cotton areas, high winds with blowing sand were reported on July 29 and 30. The winds diminished by July 31.

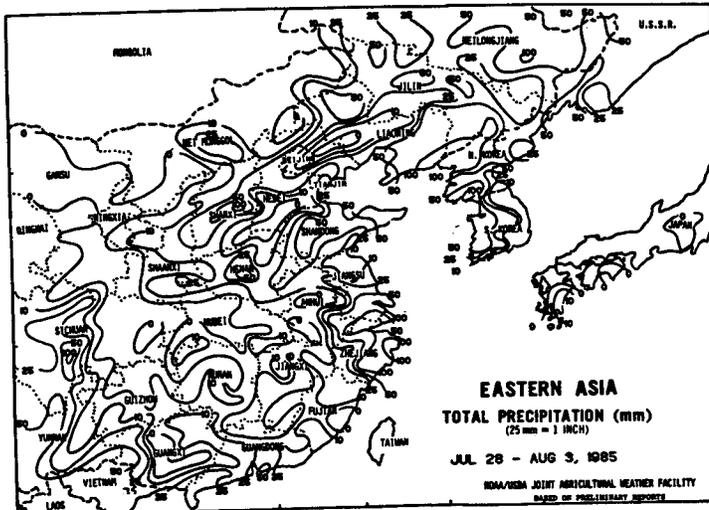




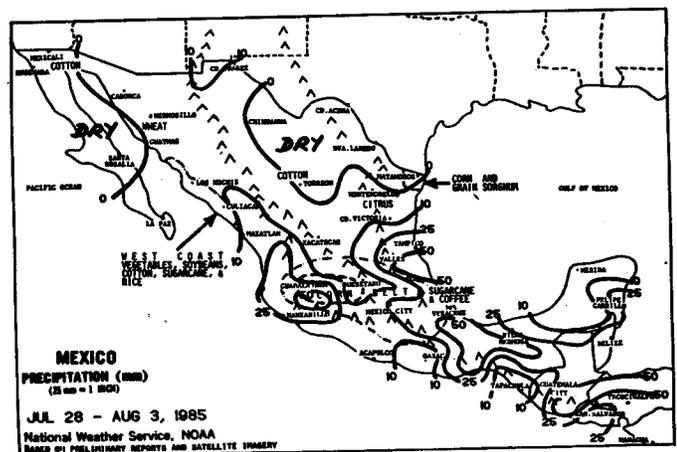
EUROPE...Widespread showers covered crop areas over much of the region, except for Mediterranean crop areas where seasonably dry weather occurred. Heavy rain (25-50mm) spread northeastward from northern France through West Germany, delaying the winter grain harvest. Light showers in southwestern France continued to benefit corn. In Romania, showers in eastern and southern crop areas improved growing conditions for summer crops, which were stressed by unseasonably warm, dry weather the previous 2 weeks. Mostly dry weather favored harvesting in Hungary, while showers in Poland and Czechoslovakia caused some harvest delays.



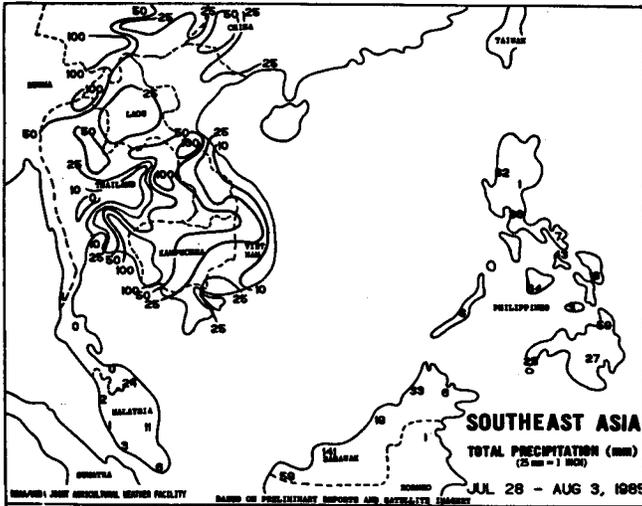
SOUTH ASIA...Moderate to heavy monsoon rainfall covered most autumn rice areas. Autumn rice nearing the heading stage benefited from 50 to over 100mm of rain in Punjab, Haryana, Uttar Pradesh, eastern Madhya Pradesh, and along the western coast. Rainfall has been below normal during the last 2 to 3 weeks in winter rice areas of Andhra Pradesh and Orissa. Moisture is adequate for vegetative winter rice in Bihar and West Bengal. Moderate to heavy rain (50-100mm) benefited cotton and groundnuts in Gujarat and western Madhya Pradesh. Relatively dry weather occurred in central Maharashtra following beneficial rain last week. Moderate to heavy rain was mostly beneficial for cotton and rice in Punjab, Pakistan; however, some localized flooding was possible.



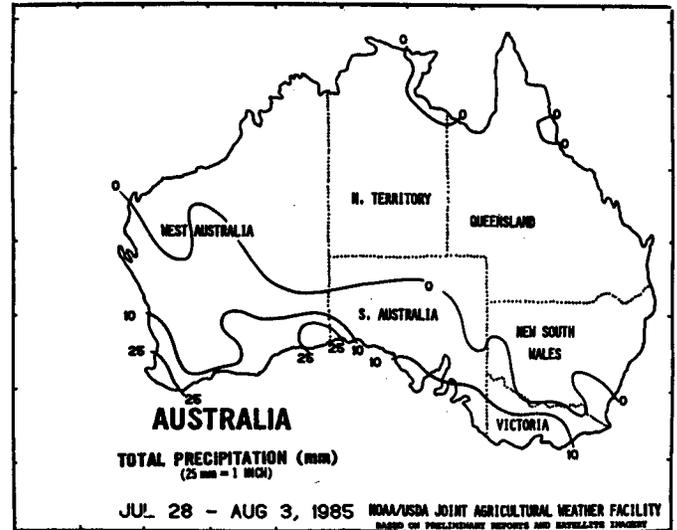
EASTERN ASIA...Typhoon Jeff entered Zhejiang early in the week producing heavy rain (100-200mm) and flood damage to any remaining unharvested early rice. Beneficial rain spread into Jiangsu's intermediate rice area. Jeff crossed the Yellow Sea and reached Liaoning, China and North Korea late in the week where heavy rain and flooding during the last 2 weeks has damaged corn. Moderate rain favored corn and soybeans in the major crop areas of the northeast. Moderate rain (25-70mm) in Shandong benefited cotton, corn, and soybeans in the reproductive stage. Dry, hot weather covered the west where temperatures reached 35-39C. Relatively dry weather continued in the south where late double cropped rice is nearing the heading stage.



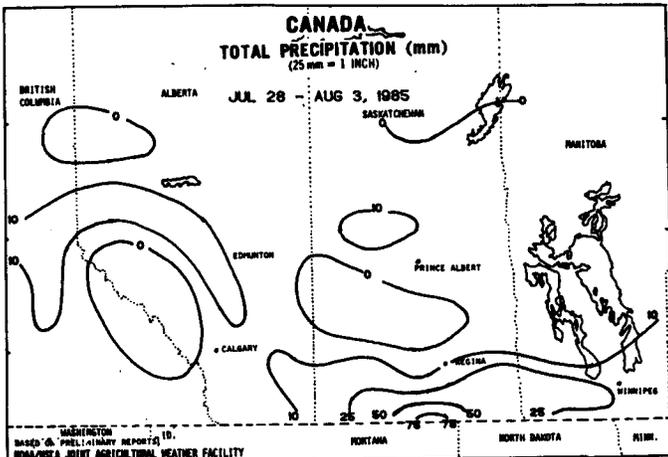
MEXICO...A continued drying pattern is stressing immature crops over the north central section of the southern Plateau corn belt. Only light rain has fallen there in the past 3 to 4 weeks. Other parts of the corn belt remain moist from frequent showers. Sunny weather over the northeast is favoring the grain harvest but causing young crops and orchards to need frequent irrigation. Seasonal weather continues over the rest of the country.



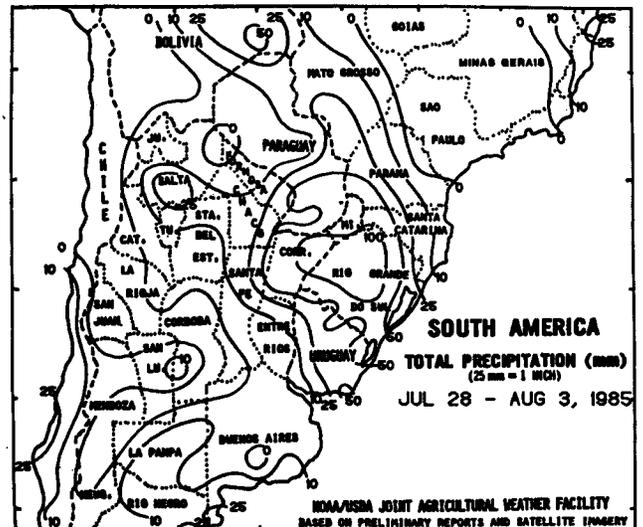
SOUTHEAST ASIA... In Thailand, substantial rain (50-100mm) fell over the entire eastern fringe of the country, while light rain (less than 10mm) fell over most of the south-central rice and corn areas, and the south peninsular. Locally heavy rain fell east of Bangkok along the border with Kampuchea, soaking irrigated rice areas. The rain in eastern Thailand aided rainfed rice. The generally favorable distribution of growing season rainfall aided Thailand's corn crop. Early planted corn is likely maturing. Elsewhere, substantial showers fell over Kampuchea, and central Laos. Weekly amounts were light (mostly less than 10mm) over peninsular Malaysia. Rainfall was highly variable throughout the Philippines.



AUSTRALIA... Dry weather continued in most of the eastern wheat belt. Almost no rain has fallen during the last 3 weeks in wheat areas of Queensland and northern New South Wales. Relatively dry weather during the past 2 weeks covered wheat in South Australia, Victoria, and southern New South Wales. Temperatures and crop moisture requirements normally begin increasing in August. Soil moisture reserves remain limited throughout the eastern wheat belt. Light showers, mostly less than 10mm, fell in the west following beneficial rain during the last 3 to 4 weeks. Temperatures averaged near normal in the east and the west.



CANADA... Locally heavy thunderstorms occurred over southwestern Manitoba and southeastern Saskatchewan, producing variable rainfall of 25-80mm. Widespread showers (10-25mm) fell over spring grains in southern Manitoba, the southern third of Saskatchewan and extreme southeastern Alberta. The moisture helped spring wheat, rapeseed and other Prairies crops which were filling grain kernels and setting and filling pods. The rain slowed crop deterioration that had resulted from the prolonged dry spell and episodes of heat stress, especially in the southwest. However, over 15 percent of Saskatchewan's spring wheat was ripening, beyond the beneficial effects of the rain. Mostly dry weather covered the remainder of the Prairies grain belt with weekly rainfall averaging less than 5mm. Crop conditions are fair to good in the east and north. Some early crop harvesting has begun.



SOUTH AMERICA... Drier weather returned to Argentina's crop areas, following last week's substantial rainfall. Some additional rain (10-15mm) fell early in the week over La Pampa and isolated areas of southwestern Cordoba and extreme southern Buenos Aires. Recent weather has promoted wheat planting, hampered by earlier dryness, while the increased topsoil moisture helped establish previously sown wheat. In Brazil, heavy rain (100-150mm) fell over much of Rio Grande do Sul, soaking wheat in vegetative growth. Some rain also fell in southwestern Parana extending into Mato Grosso do Sul, aiding wheat which may have already reached heading. Parana, Brazil's second leading wheat producing state, has had an extended dry spell during the wheat season. Further north, seasonably dry weather aided coffee and citrus harvesting in Sao Paulo and Minas Gerais.

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Heating Degree Days (Base 65° F.)
JULY 1985

ALA. Birmingham	0	MAINE, Caribou	43	OKLA. Okla. City	0	Tallahassee	0	North Platte	0	Galveston	0
Mobile	0	Portland	4	Tulsa	0	Tampa	0	Omaha	0	Houston	0
Montgomery	0	MD. Baltimore	0	OREG. Astoria	131	GA. Atlanta	0	Valentine	13	Lubbock	0
ALASKA, Anchorage	799	MASS. Boston	3	Burns	14	Augusta	0	NEV. Ely	8	Midland	0
Barrow	0	Chatham	18	Medford	0	Macon	0	Las Vegas	0	San Angelo	0
Fairbanks	0	MICH. Alpena	50	Pendleton	0	Savannah	0	Reno	5	San Antonio	0
Nome	26	Detroit	2	Portland	0	IDAH. Boise	0	Winnemucca	3	Victoria	0
ARIZ. Flagstaff	0	Flint	7	Salem	5	Lewiston	0	N.H. Concord	9	Waco	0
Phoenix	0	Grand Rapids	8	PA. Allentown	0	Pocatello	0	N.J. Atlantic City	0	Wichita Falls	0
Tucson	0	Houghton Lake	46	Erie	5	ILL. Cairo	0	N. MEX. Albuquerque	7	UTAH, Milford	0
Winslow	0	Lansing	12	Harrisburg	0	Chicago	0	N.Y. Albany	0	Salt Lake City	0
Yuma	0	Marquette	111	Philadelphia	0	Peoria	0	Binghamton	13	VT. Burlington	11
ARK. Fort Smith	0	S. Ste. Marie	135	Pittsburgh	3	Rockford	2	Buffalo	8	VA. Lynchburg	1
Little Rock	0	MINN. Duluth	57	Scranton	0	Springfield	0	New York	0	Norfolk	0
CALIF. Bakersfield	194	Internat Falls	74	R.I. Providence	4	IND. Evansville	0	Rochester	15	Richmond	0
Burke	0	Minneapolis	0	S.C. Charleston	0	Fort Wayne	0	Syracuse	10	Roanoke	0
Fresno	0	Rochester	8	Columbia	0	Indianapolis	0	N.C. Asheville	0	WASH. Colville	14
Los Angeles	0	St. Cloud	8	Greenville	0	South Bend	0	Charlotte	0	Quillayute	0
Red Bluff	0	MISS. Jackson	0	S. DAK. Aberdeen	2	IOWA, Des Moines	0	Greensboro	1	Seattle-Tacoma	0
Stockton	0	Meridian	0	Buron	7	Dubuque	4	Hatteras	0	Spokane	0
San Diego	0	MO. Columbia	0	Rapid City	8	SOUX City	1	Raleigh	0	Walla Walla	0
San Francisco	48	Kansas City	0	Sioux Falls	5	KANS. Concordia	0	Wilmington	0	Yakima	0
COLO. Denver	0	St. Louis	0	TENN. Chattanooga	0	Dodge City	0	N. DAK. Bismarck	21	W. VA. Beckley	0
Grand Junction	0	Springfield	0	Knoxville	0	Goodland	0	Fargo	13	Charleston	0
Pueblo	0	MONT. Billings	13	Memphis	0	Topeka	0	Williston	21	Huntington	0
CONN. Bridgeport	0	Glasgow	11	Nashville	0	Wichita	0	OHIO. Akron-Canton	3	WIS. Green Bay	0
Hartford	0	Great Falls	4	TEX. Abilene	0	WY. Lexington	0	Cincinnati	0	Madison	1
D.C. Washington	0	Havre	5	Amarillo	0	Louisville	0	Cleveland	2	Milwaukee	0
FLA. Apalachicola	0	Helena	3	Austin	0	LA. Baton Rouge	0	Columbus	0	WYO. Casper	1
Ft. Myers	0	Kalispell	5	Beaumont	0	Lake Charles	0	Dayton	0	Cheyenne	0
Jacksonville	0	Miles City	11	Brownsville	0	New Orleans	0	Toledo	0	Lander	0
Key West	0	Missoula	0	Corpus Christi	0	Shreveport	0	Youngstown	10	Sheridan	0
Miami	0	NEBR. Grand Island	0	Del Rio	0						
Orlando	0	Lincoln	0	El Paso	0						
W. Palm Beach	0	Norfolk	1	Fort Worth	0						

Based on 1951-80 normals.

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