

# 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

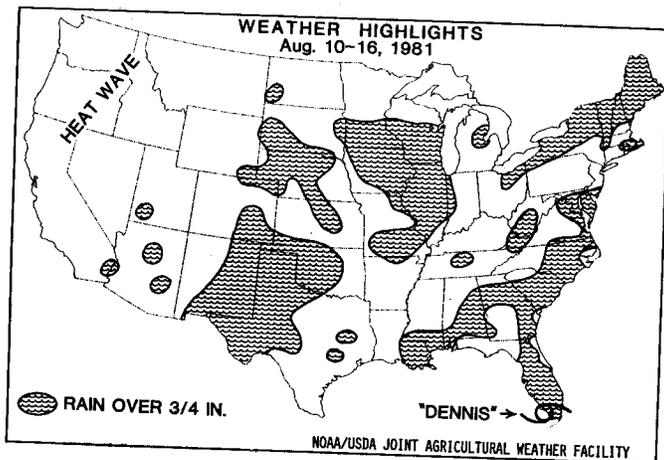
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Aug. 18, 1981

## National Weather Summary

August 10-16, 1981



**HIGHLIGHTS:** Showers and thunderstorms were widespread over the Nation. Only a few areas in the West and the northern Plains reported little or no precipitation. The heat wave continued in the West and put heavy demand on irrigation water supplies. Some heavy rain in Iowa caused local flooding but the soil needed the water. At week's end, Tropical Storm Dennis began spreading heavy showers over southern Florida.

**MONDAY...** Some thunderstorms lingered in eastern Kansas early in the morning and broke out again from western Texas to the lower Ohio Valley. Showers and thunderstorms were scattered over the eastern gulf coast and from Florida to North Carolina. Severe thunderstorms brought high wind and flash floods to the area from the southern Plateau to the central Rockies. The heat wave continued in the West, although some cooler air moved into Washington west of the Cascades.

**TUESDAY...** Showers and thunderstorms covered the southern Rockies and high Plains. Some heavy rain was associated with these storms. A cold front caused showers and thunderstorms from Oklahoma through Tennessee and the Northeast. The heaviest rain occurred along the east coast. Scattered showers continued along the eastern gulf coast, Georgia, and Florida. The heat wave in the West abated slightly, but 100° plus temperatures were reported from southern California northward into Canada.

**WEDNESDAY...** Thunderstorms covered the Southwest, southern half of the Rockies, and central Plains. Some storms in the central Rockies and Southwest produced heavy rain and hail. Farther east, a frontal system spread showers and thunderstorms along the east coast and through the Gulf Coast

States. Cooler air continued to push into the Pacific Northwest, but excessively high temperatures remained east of the Cascades. Warmer air enveloped the northern Plains as temperatures rose to the low nineties.

**THURSDAY...** Showers and thunderstorms occurred from the Plateau region to the Plains, through the upper portion of the Mississippi Valley and Great Lakes, and across the Gulf and south Atlantic Coast States. Storms pelted west central Nevada with pea-sized hail. Rain was locally heavy and coverage was close in the area from Nebraska to southern Wisconsin. The Northwest remained hot east of the Cascades and parts of the northern Plains were well above 90°.

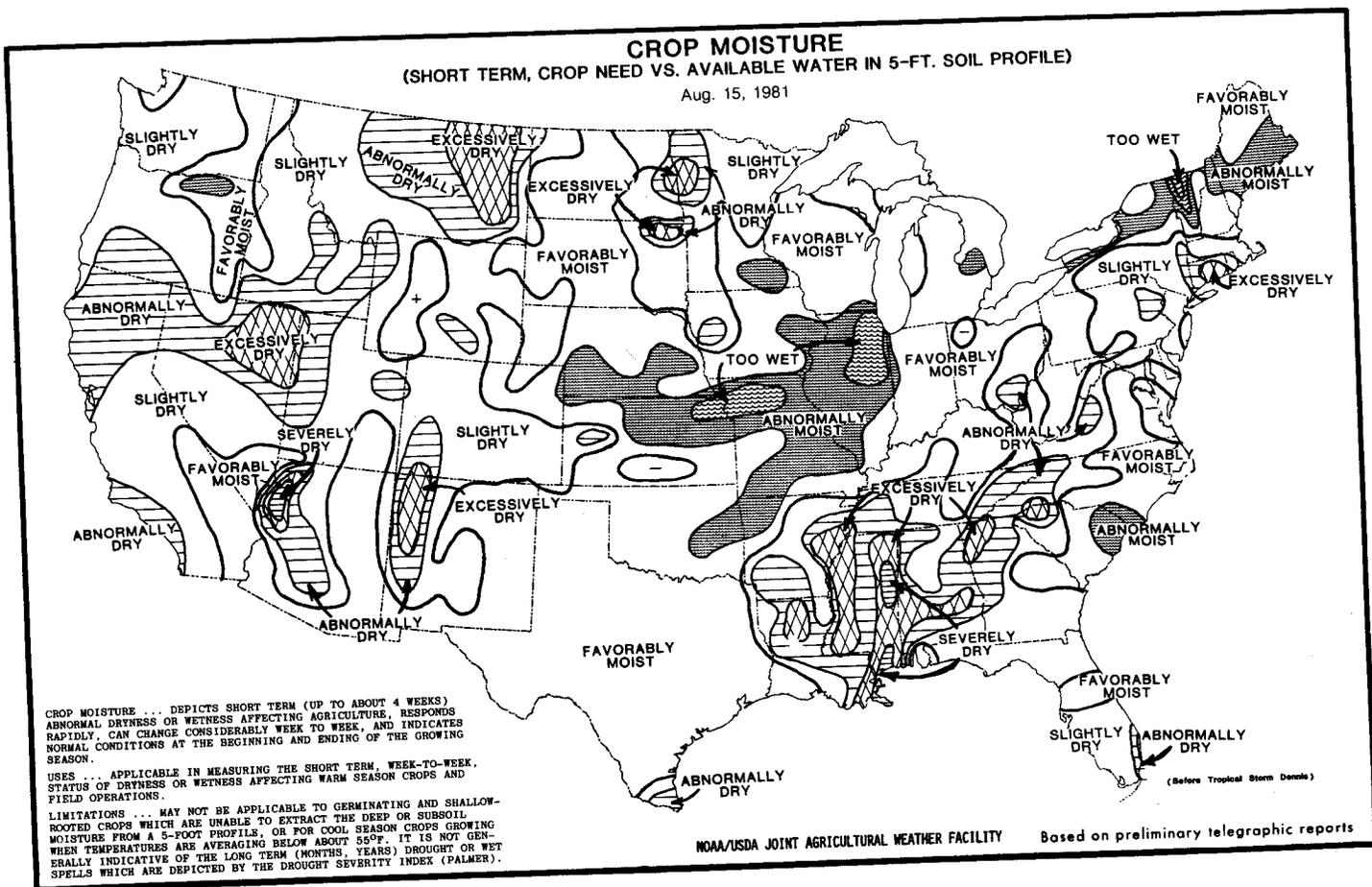
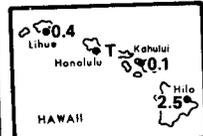
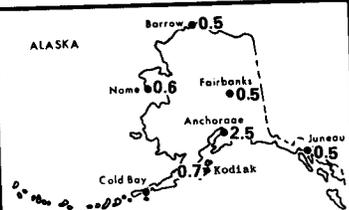
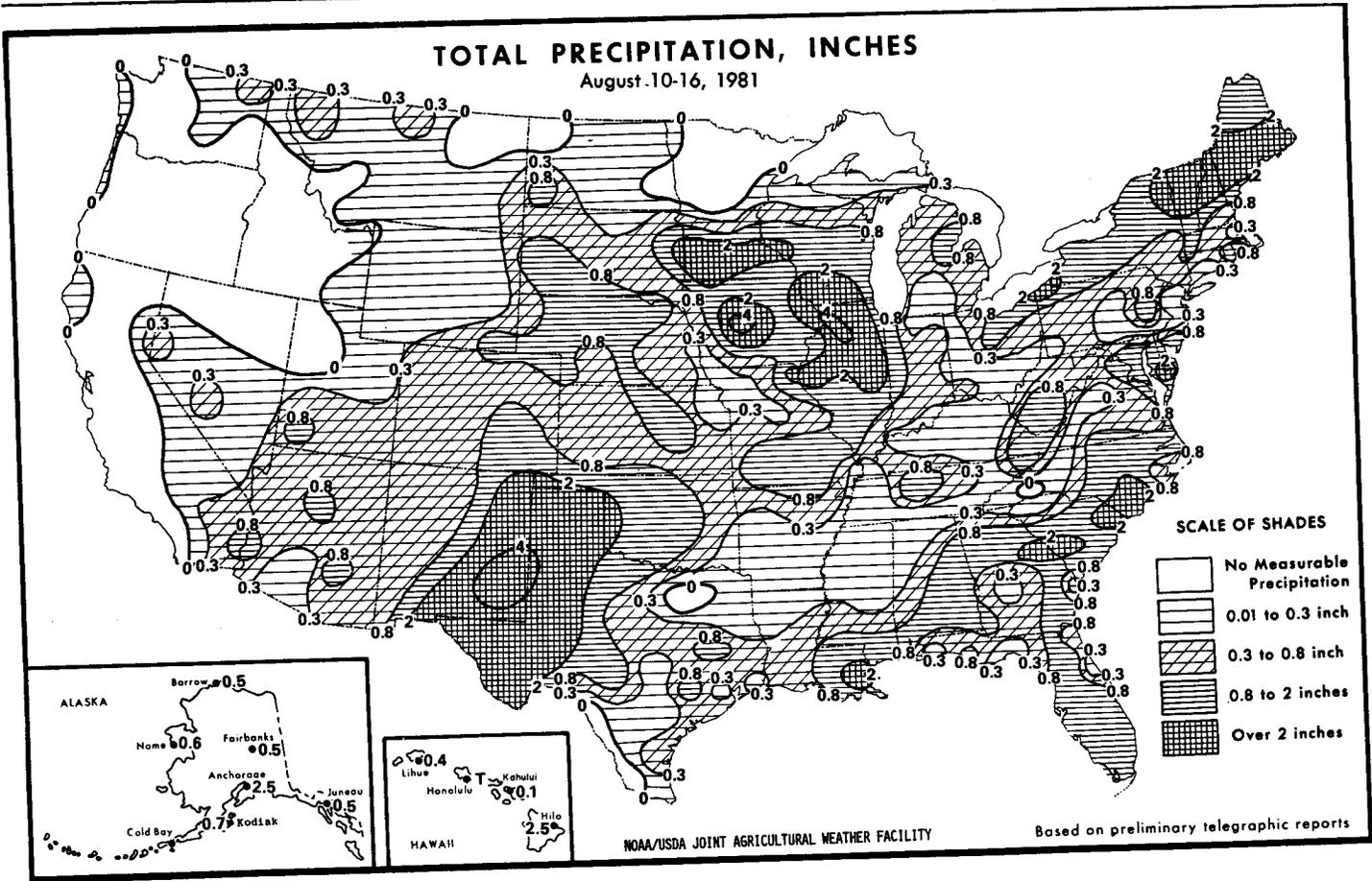
**FRIDAY...** Showers were scattered throughout the Plateau and Rockies and in southern California. Blythe, California, measured 1.77 inches of rain--over half the annual average. Heavy rain from thunderstorms throughout Illinois was less unusual. Showers and thunderstorms were scattered throughout the northern Mississippi Valley and the lower Great Lakes region. Temperatures were gradually cooling over the Northwest and northern Plains, but some isolated 100° readings appeared in eastern Washington.

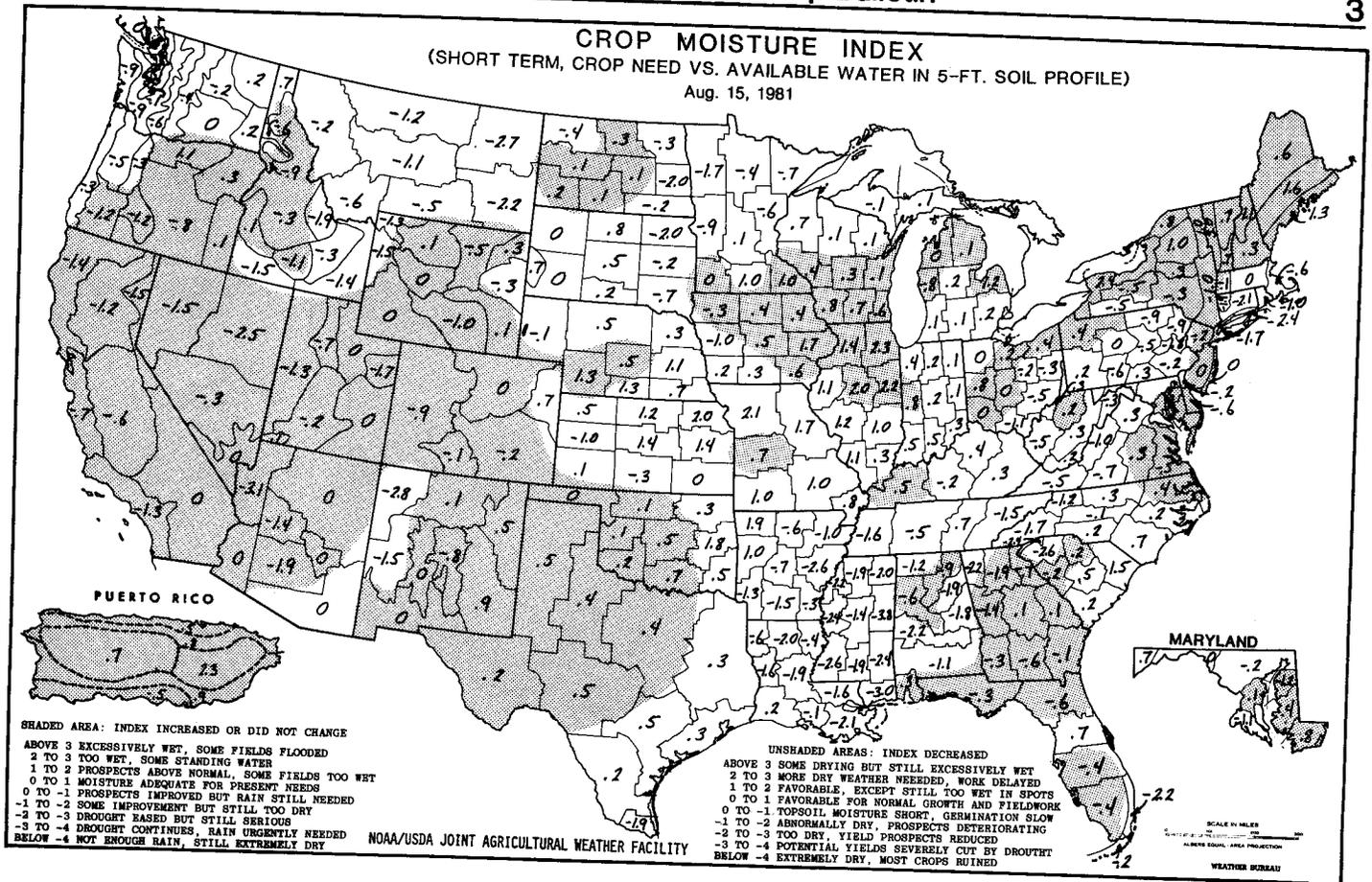
**SATURDAY...** Showers and thunderstorms were isolated over the central Plateau and Rockies. They were more concentrated from the Texas Panhandle to western Nebraska and through Oklahoma to the Ohio Valley and Northeast. Some severe storms were reported in central North Dakota and parts of South Dakota. Hot weather continued in the West and temperatures were rising in the South.

(Continued on page 19.)

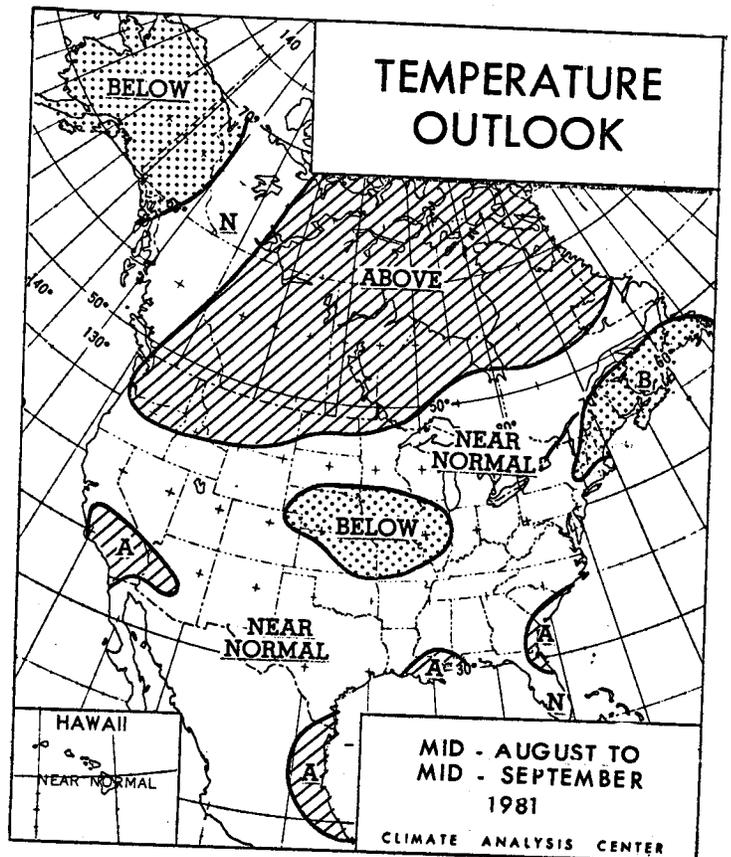
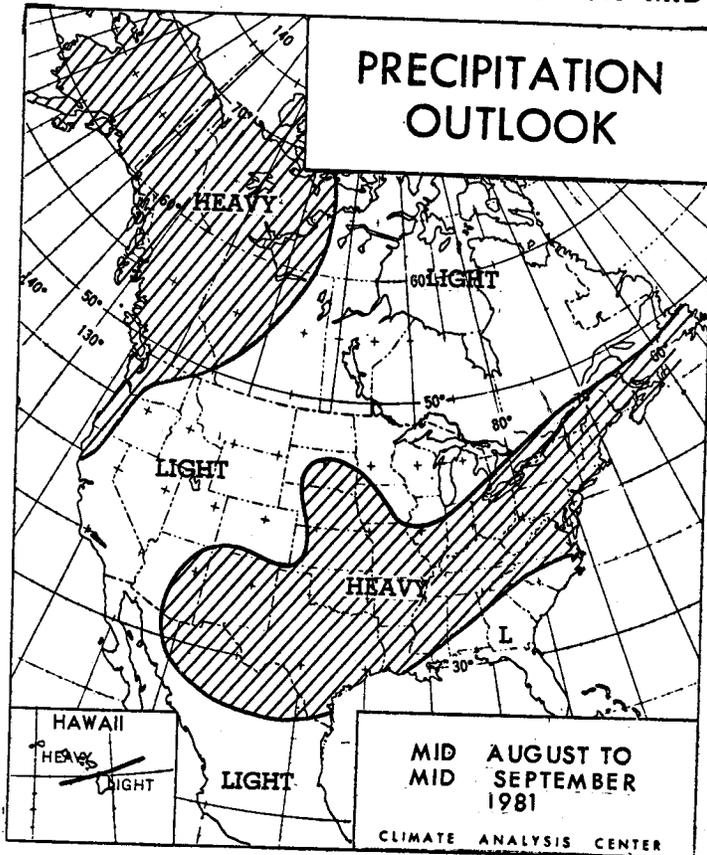
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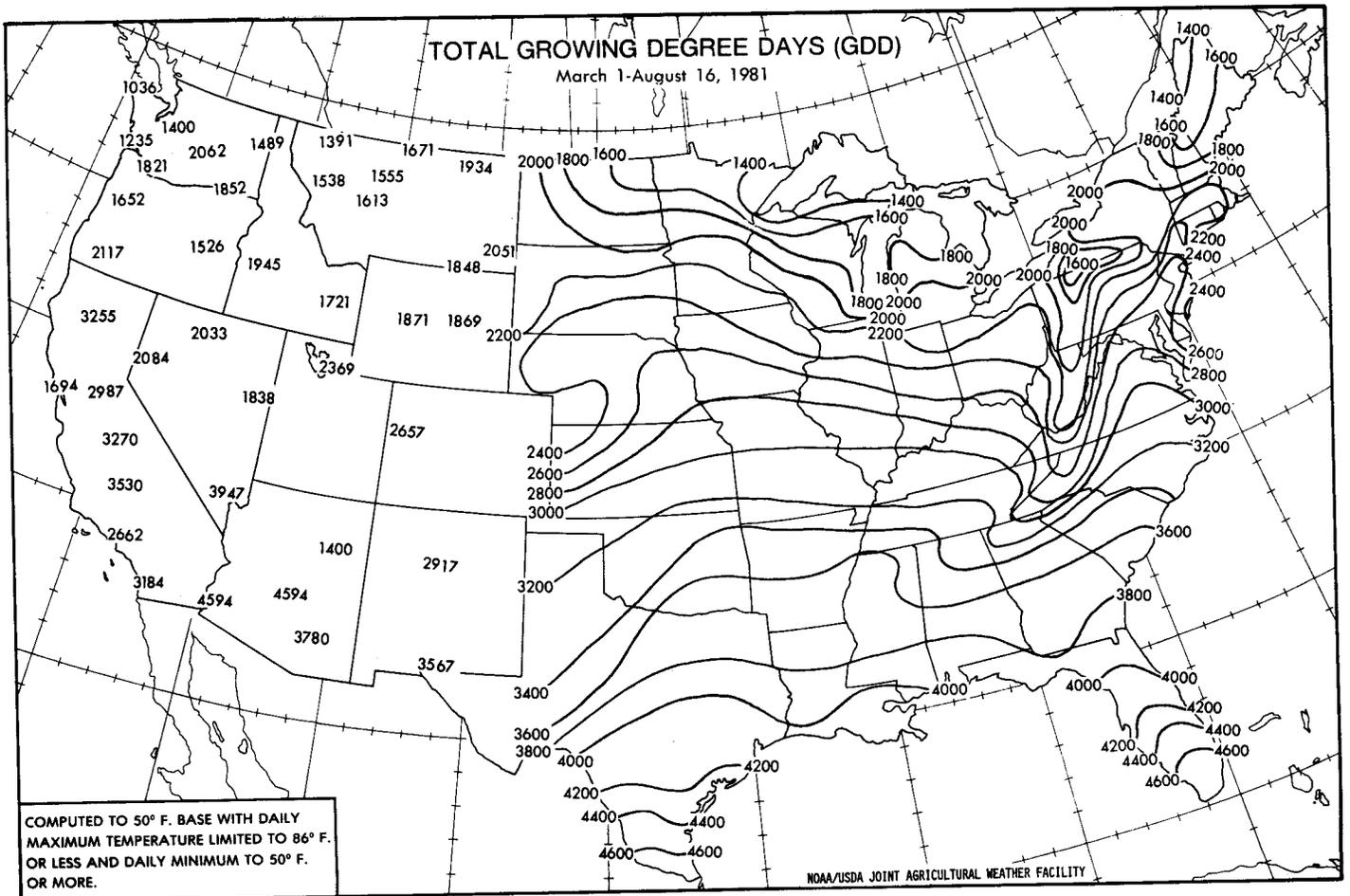
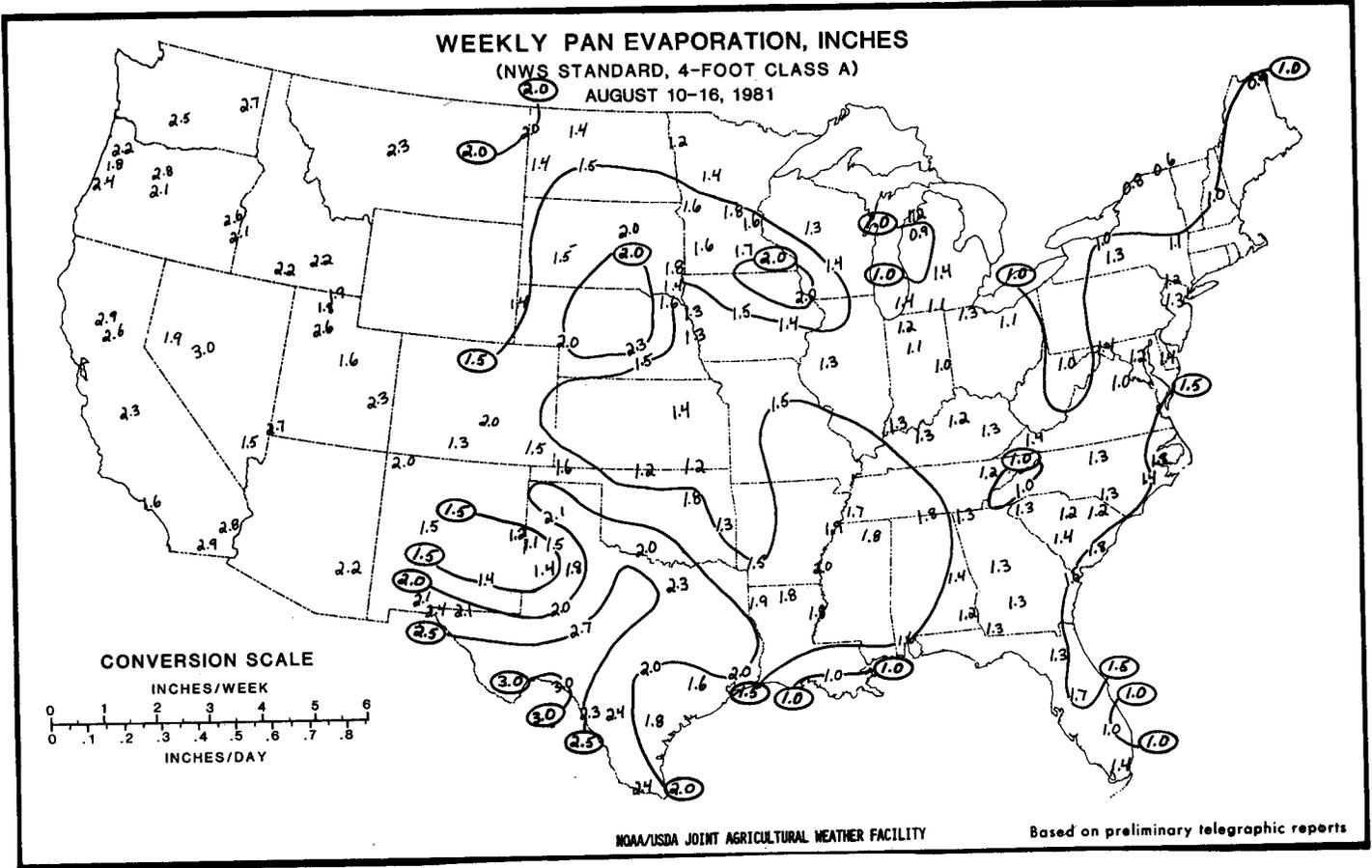
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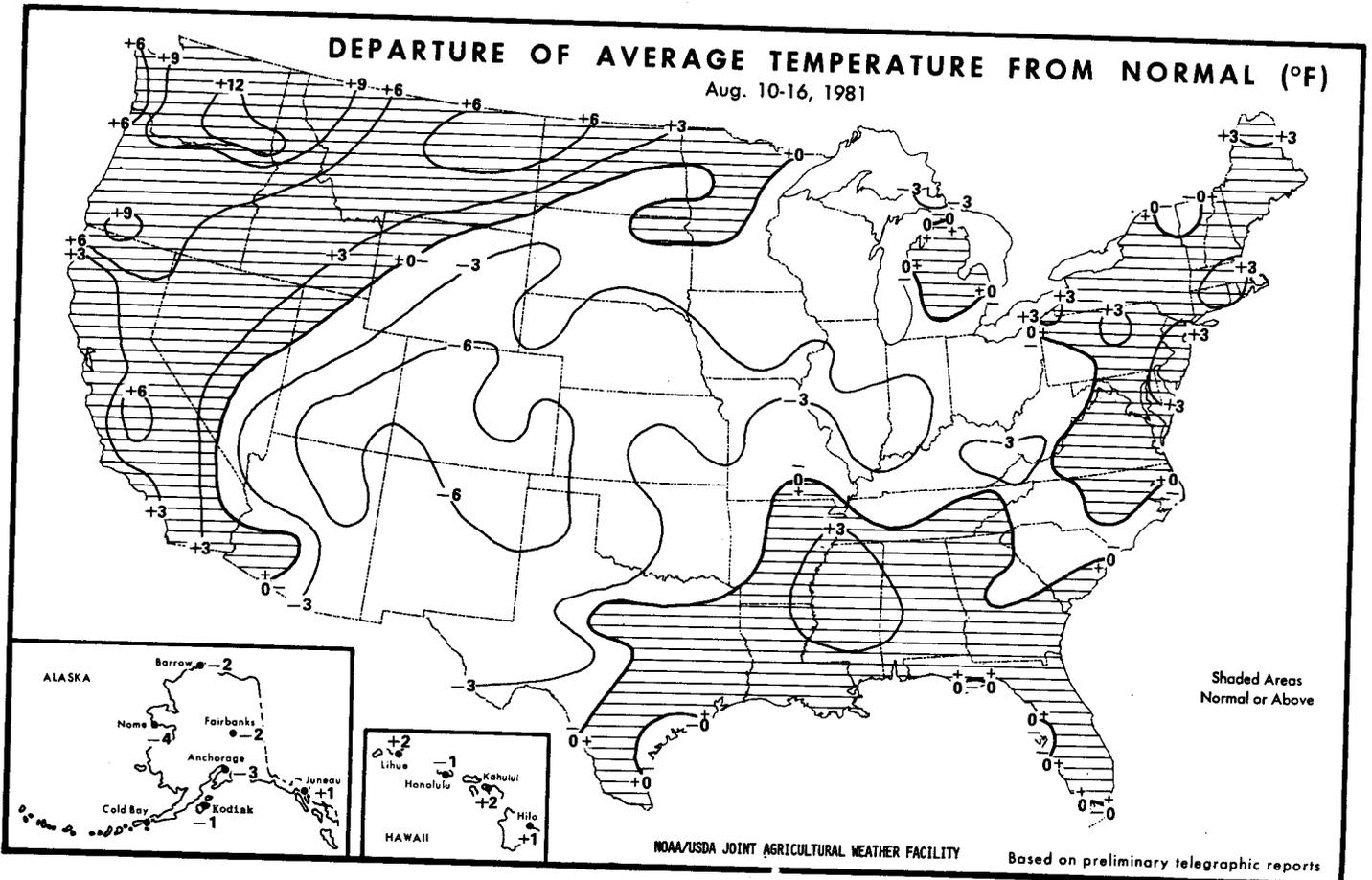
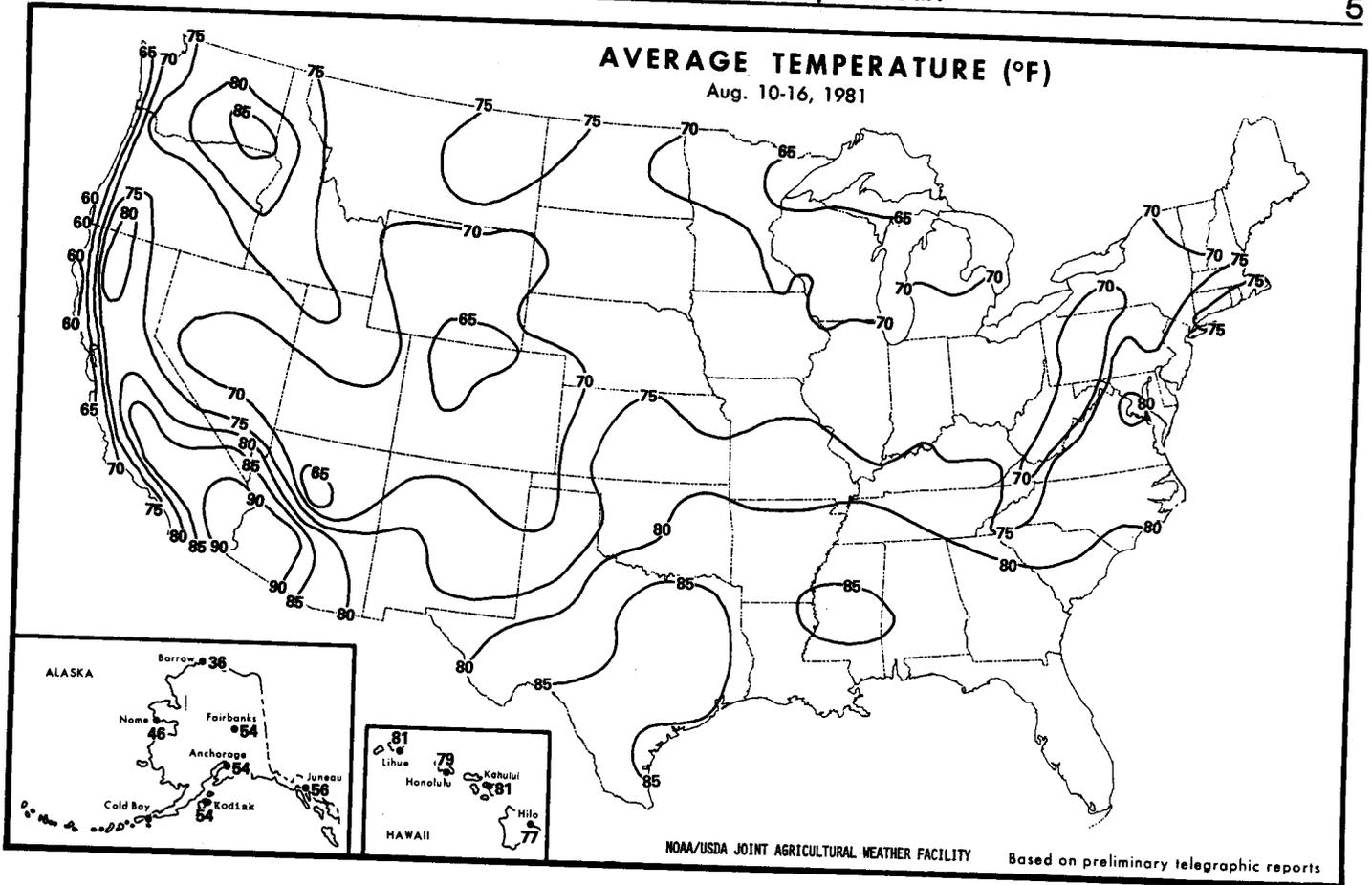




## OUTLOOK FOR MID-AUGUST TO MID-SEPTEMBER







Weather Data for the Week Ending Aug. 16, 1981

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE June 1	PCT. NORMAL SINCE June 1	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	93	71	96	69	82	2	.6	-.3	.4	8.2	71	26.6	74	91	48	7	0	4	0
MOBILE	93	74	95	73	84	2	1.0	-.5	.6	17.0	90	43.5	95	96	47	7	0	2	1
MONTGOMERY	93	73	96	70	83	2	1.5	.8	1.0	9.3	85	32.2	97	92	54	7	0	3	1
AK ANCHORAGE	58	50	60	47	54	-3	2.5	2.0	1.0	9.0	209	12.1	164	88	60	0	0	6	2
BARROW	39	32	48	28	36	-2	.5	.2	.2	2.7	142	--	--	100	87	0	2	4	0
FAIRBANKS	62	45	69	28	54	-3	.5	.1	.3	5.0	111	6.5	94	95	55	0	1	6	0
JUNEAU	63	49	71	48	56	1	.5	.6	.4	8.1	80	24.5	89	92	64	0	0	4	0
KODIAK	60	48	64	39	54	-1	.7	.3	.2	5.5	56	42.1	132	99	75	0	0	7	0
NOME	52	39	59	30	46	-4	.6	.2	.3	4.8	92	10.2	113	83	53	0	1	4	0
AZ FLAGSTAFF	71	48	78	45	60	-4	1.0	.3	.6	6.7	148	15.5	130	98	50	0	0	4	1
PHOENIX	102	79	106	74	91	1	.1	.2	.1	1.3	87	4.4	113	58	22	7	0	1	0
TUCSON	94	69	96	66	82	-3	.6	.1	.5	7.2	189	12.2	190	71	25	7	0	2	1
WINSLOW	82	57	90	54	69	-7	.5	.1	.2	4.0	160	6.1	122	--	--	1	0	3	0
YUMA	106	79	110	71	93	-1	.3	.2	.3	.3	60	1.4	74	54	22	7	0	2	0
AR FORT SMITH	90	71	96	65	81	-2	.1	.6	T	12.0	138	27.9	99	53	5	0	1	0	0
LITTLE ROCK	92	71	100	68	81	0	.3	.3	.3	9.0	115	31.6	99	83	50	5	0	1	0
CA BAKERSFIELD	100	74	105	70	87	5	0	0	0	0	0	4.4	110	57	23	7	0	0	0
EUREKA	62	54	65	53	58	1	T	.1	T	.6	60	19.0	80	98	86	0	0	1	0
FRESNO	101	70	107	66	85	7	0	0	0	0	0	7.5	107	70	25	7	0	0	0
LOS ANGELES	77	66	80	65	72	2	0	0	0	T	+100	6.6	84	80	59	0	0	0	0
RED BLUFF	99	66	108	63	83	3	0	0	0	T	160	16.3	118	73	26	7	0	0	0
SAN DIEGO	81	71	83	70	76	4	0	0	0	T	+100	8.5	142	81	63	0	0	0	0
SAN FRANCISCO	71	55	76	54	63	0	0	0	0	T	0	12.2	99	87	53	0	0	0	0
STOCKTON	93	59	100	55	76	1	0	0	0	0	0	9.2	102	84	32	6	0	0	0
CO DENVER	78	57	86	53	68	-5	.7	.4	.5	2.7	61	10.5	94	85	39	0	0	4	0
GRAND JUNCTION	82	60	94	57	71	-5	.3	.1	.2	.9	60	4.8	107	77	35	1	0	3	0
PUEBLO	80	61	90	58	70	-5	1.1	.6	.3	3.5	76	5.8	63	93	49	1	0	5	0
CT BRIDGEPORT	83	64	89	46	74	0	.2	.7	.2	6.8	84	17.8	74	90	53	0	0	1	0
HARTFORD	86	64	90	57	75	4	.3	.6	.2	6.1	69	19.0	72	91	45	2	0	4	0
DC WASHINGTON	88	72	93	68	80	2	1.7	.6	.7	11.3	112	21.9	88	96	54	2	0	3	2
FL APALACHICOLA	90	75	92	73	83	1	T	.6	T	15.0	87	23.8	67	95	65	5	0	1	0
DAYTONA BEACH	90	73	91	71	81	0	T	.5	T	7.2	43	18.0	59	94	61	4	0	0	0
FORT MYERS	92	77	95	73	85	2	1.2	.5	.5	24.0	111	30.9	90	84	53	6	0	7	0
JACKSONVILLE	91	71	94	67	81	0	.5	1.2	.4	8.9	51	21.8	64	100	59	6	0	2	0
KEY WEST	89	79	91	77	84	-1	1.4	.5	.6	6.6	62	11.0	54	93	74	4	0	5	1
MIAMI	90	77	92	74	83	0	1.7	.3	1.3	12.3	64	24.0	68	91	61	5	0	3	1
ORLANDO	92	74	93	72	83	1	1.0	.4	.9	18.5	97	27.2	81	96	53	7	0	2	1
TALLAHASSEE	92	71	93	70	81	0	.1	1.5	.1	14.0	72	35.7	85	100	54	7	0	5	1
TAMPA	92	72	94	71	82	0	.8	1.0	.5	12.4	65	21.6	65	98	55	7	0	2	0
WEST PALM BEACH	92	76	93	73	84	2	1.7	.3	1.3	10.9	61	24.2	71	89	63	7	0	5	1
GA ATLANTA	91	71	96	69	81	3	1.2	.5	1.1	7.6	72	25.0	75	92	53	4	0	4	1
AUGUSTA	90	69	93	67	80	0	2.7	1.8	1.2	12.9	117	29.1	97	100	59	4	0	3	3
MACON	91	70	93	67	81	0	.3	.6	.1	13.9	134	32.4	105	94	54	6	0	3	0
SAVANNAH	92	72	94	71	82	1	.1	1.3	.1	16.2	93	28.0	82	96	53	6	0	1	0
HI HILO	83	71	84	66	77	1	2.4	.2	1.8	12.4	58	--	--	87	65	0	0	4	1
HONOLULU	87	72	89	68	80	-1	T	.2	T	1.1	85	5.5	39	87	60	0	0	0	0
KAHULUI	89	73	91	71	81	2	.2	.1	.2	.6	67	--	--	78	52	2	0	1	0
LIHUE	88	73	89	68	81	2	.4	.1	.2	5.9	126	--	--	91	59	0	0	4	0
ID BOISE	96	61	101	56	79	5	0	.1	0	.9	64	8.9	113	42	14	7	0	0	0
LEWISTON	103	67	105	64	85	12	T	.1	T	2.8	97	8.9	102	51	13	7	0	0	0
POCATELLO	92	53	94	50	73	2	.1	.1	.1	1.1	52	8.7	123	70	16	7	0	2	0
IL CAIRO	87	69	92	65	78	-2	.3	.5	.2	13.1	139	31.6	100	97	62	0	0	2	1
CHICAGO	79	62	86	58	71	-1	1.9	1.3	1.6	13.8	150	28.8	135	97	62	0	0	1	1
MOLINE	81	61	87	55	71	-3	1.5	.8	1.5	13.3	123	22.6	93	94	61	0	0	1	1
PEORIA	81	63	85	58	72	-2	2.1	1.5	1.9	17.9	197	33.0	140	95	64	0	0	3	1
ROCKFORD	81	61	85	55	71	-1	2.2	1.4	2.2	11.6	108	22.0	92	94	61	0	0	2	1
SPRINGFIELD	82	63	88	56	72	-3	1.0	.4	.9	23.5	250	39.0	167	96	62	0	0	2	1
IN EVANSVILLE	84	64	87	58	74	-3	.3	.4	.3	9.6	108	30.1	105	87	59	0	0	1	0
FORT WAYNE	78	62	83	58	70	-1	.4	.2	.3	11.7	124	25.9	107	90	57	0	0	2	0
INDIANAPOLIS	80	62	85	57	71	-3	.6	0	.4	8.3	89	28.0	107	91	56	0	0	2	0
SOUTH BEND	77	63	85	54	70	-2	.1	.7	.1	11.4	124	27.1	115	95	63	0	0	2	0
IA BURLINGTON	81	63	88	58	72	-3	1.6	.8	1.0	18.8	188	31.2	136	87	58	0	0	3	2
DES MOINES	82	64	90	59	73	-2	2.9	2.2	2.7	15.1	153	21.5	99	89	56	1	0	2	1
DUBUQUE	78	61	84	55	69	-2	2.9	2.0	2.9	14.3	123	24.2	92	97	61	0	0	1	1
KS SIOUX CITY	83	60	90	53	71	-3	.6	.1	.6	8.9	95	13.9	76	85	52	1	0	1	1
CONCORDIA	85	65	92	56	75	-3	1.0	.3	1.0	16.1	164	26.5	137	94	47	1	0	1	1
DODGE CITY	85	68	95	65	77	-3	.7	0	.3	8.4	106	17.1	113	85	47	3	0	4	0
GOODLAND	80	58	89	50	69	-6	.4	.1	.3	3.0	45	19.7	158	90	46	0	0	4	0
TOPEKA	82	65	90	57	74	-4	.2	.8	.2	18.4	150	28.5	119	93	59	1	0	2	0
WICHITA	88	69	99	63	78	-2	.8	.1	.4	7.7	73	17.2	83	85	48	3	0	3	0
KY LEXINGTON	82	63	85	57	73	-3	T	.8	T	9.4	84	26.1	83	97	61	0	0	1	0
LOUISVILLE	85	6																	

Weather Data for the Week Ending Aug. 16, 1981

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
LAKE CHARLES	91	74	93	70	83	1	.4	-.7	.4	23.8	166	38.0	105	96	59	6	0	1	0
NEW ORLEANS	94	74	97	72	84	2	2.6	1.5	.4	15.0	107	34.7	93	98	54	7	0	3	1
SHREVEPORT	96	72	99	67	84	0	.1	-.5	.1	9.3	122	29.7	100	93	42	7	0	1	0
ME CARIBOU	76	55	83	42	66	3	1.7	.9	1.0	11.6	123	24.7	116	89	52	0	0	0	1
PORTLAND	78	58	84	49	68	1	1.9	1.4	.9	12.6	177	27.8	114	95	60	0	0	5	0
MD BALTIMORE	88	68	93	64	78	2	.9	-.1	.4	11.3	113	21.6	83	87	50	0	0	4	2
MA BOSTON	85	68	90	65	77	5	.7	-.1	.3	6.2	82	18.6	72	88	47	2	0	1	0
CHATHAM	76	64	79	62	70	2	.7	-.1	.3	9.4	111	25.4	72	96	78	0	0	3	0
MI ALPENA	76	54	82	48	65	0	.7	-.1	.5	5.0	72	13.0	76	99	58	0	0	0	0
DETROIT	80	60	86	54	70	-2	.8	0	.6	8.5	102	19.0	90	89	52	0	0	3	0
FLINT	79	61	86	48	70	1	.4	-.4	.3	8.2	101	19.0	98	89	56	0	0	5	1
GRAND RAPIDS	81	60	86	50	71	0	.3	-.3	.2	8.6	108	26.7	130	94	53	0	0	2	0
HOUGHTON LAKE	76	60	82	51	68	2	.8	-.3	.3	11.5	149	21.2	120	97	60	0	0	3	0
LANSING	80	60	87	44	70	0	.1	-.5	.1	5.1	67	18.0	90	97	57	0	0	3	0
MARQUETTE	72	52	81	41	62	-1	.1	-.7	.1	9.1	94	21.2	97	96	58	0	0	2	0
MUSKEGON	78	61	83	54	70	0	.7	-.2	.7	6.4	108	17.5	93	95	59	0	0	2	1
SAULT STE. MARIE	71	50	77	40	61	-3	.3	-.4	.3	8.6	113	17.4	96	97	61	0	0	2	1
MN DULUTH	73	55	81	43	64	-1	.1	-.8	.1	11.3	111	19.7	99	96	60	0	0	1	0
INT'L FALLS	78	55	86	46	67	2	0	-.8	0	7.2	75	12.9	77	97	52	0	0	1	0
MINNEAPOLIS	79	60	87	53	70	-2	1.1	-.4	.9	16.5	160	24.5	129	94	61	0	0	2	0
ROCHESTER	82	58	85	48	68	-2	1.6	-.7	.9	9.1	93	16.6	89	79	43	1	0	2	2
SAINT CLOUD	78	55	90	48	69	-1	.5	-.3	.5	12.5	129	30.9	92	91	37	7	0	1	0
MS JACKSON	98	72	102	64	85	3	.1	-.8	.1	7.0	63	29.8	84	91	35	7	0	1	1
MERIDIAN	100	71	103	68	85	4	.2	-.5	.2	20.5	205	37.0	149	92	63	2	0	1	0
MO COLUMBIA	84	66	91	61	75	-2	.2	-.7	.1	17.8	152	31.4	127	98	63	1	0	1	0
KANSAS CITY	81	66	90	57	74	-4	.2	-.8	.1	17.6	181	33.6	137	95	56	1	0	2	0
SAINT LOUIS	85	68	91	63	76	-2	.8	-.1	.8	17.6	181	33.6	137	95	56	1	0	2	0
SPRINGFIELD	86	66	95	59	76	-2	1.0	-.4	.5	14.0	143	28.2	108	95	62	2	0	4	0
MT BILLINGS	91	58	93	54	74	3	T	-.2	T	3.7	97	13.6	139	60	20	5	0	1	0
GLASGOW	92	61	96	57	76	6	0	-.4	0	3.8	75	6.6	79	61	21	6	0	0	0
GREAT FALLS	91	56	96	52	73	5	T	-.2	T	2.5	51	11.0	100	60	16	5	0	1	0
HAVRE	91	57	96	52	74	4	.4	-.2	.4	3.8	86	7.3	86	75	21	4	0	1	0
HELENA	90	54	94	50	72	4	T	-.2	T	2.8	74	11.1	142	64	20	3	0	1	0
KALISPELL	92	53	95	47	73	9	.3	-.1	.3	4.7	109	14.0	128	82	22	6	0	0	0
MILES CITY	91	63	95	57	77	3	.2	-.1	.2	4.0	73	7.5	73	69	25	5	0	1	0
MISSOULA	93	52	97	48	73	6	.1	-.1	.1	4.0	111	11.1	123	74	18	6	0	2	0
NE GRAND ISLAND	82	63	88	57	73	-4	.7	-.1	.7	6.6	73	15.7	90	91	53	0	0	1	0
LINCOLN	82	63	88	55	72	-4	.4	-.5	.4	7.7	76	14.8	77	96	65	0	0	1	1
NORFOLK	83	62	88	53	72	-3	.8	-.2	.8	10.3	111	15.8	88	92	50	0	0	1	0
NORTH PLATTE	80	59	85	53	70	-5	.5	0	.3	9.8	124	20.7	139	99	56	0	0	1	1
OMAHA	81	62	90	55	72	-3	.3	-.6	.3	9.8	92	16.8	81	93	63	1	0	2	0
VALENTINE	83	58	88	49	71	-3	.9	-.3	.9	10.0	133	14.1	102	91	45	0	0	2	1
NV ELY	84	48	89	43	66	0	T	-.1	T	.4	24	5.9	111	69	19	0	0	1	0
LAS VEGAS	99	71	107	68	85	-3	.2	-.1	.1	.2	25	2.4	92	67	22	7	0	2	1
RENO	94	49	96	46	71	4	.3	-.3	.3	.3	33	2.8	58	72	13	7	0	2	0
WINNEMUCCA	96	51	98	46	73	5	0	-.1	0	T	0	4.1	76	41	10	7	0	1	0
NH CONCORD	81	58	87	50	70	2	.7	0	.4	10.2	128	26.0	120	97	52	0	0	2	0
NJ ATLANTIC CITY	89	68	93	65	78	4	1.2	-.1	.9	9.2	86	24.3	84	92	52	4	0	3	0
TRENTON	84	70	89	65	77	3	.2	-.1	.1	9.7	96	22.7	87	99	62	0	0	2	0
NM ALBUQUERQUE	87	61	92	57	74	-3	.5	-.2	.3	2.3	85	4.7	94	80	31	2	0	3	0
ROSWELL	83	63	87	61	73	-6	4.2	3.8	1.6	15.5	378	20.4	300	97	52	0	0	3	3
NY ALBANY	83	59	90	53	71	1	.4	-.2	.4	7.8	104	18.1	89	93	51	1	0	3	0
BINGHAMTON	79	61	84	51	70	2	.8	-.1	.4	6.9	75	17.6	74	93	54	0	0	1	0
BUFFALO	77	64	84	55	71	2	1.2	-.4	.9	10.9	154	22.8	107	92	60	0	0	2	0
NEW YORK	86	72	97	65	79	3	.1	-.1	.1	8.5	90	21.8	83	82	45	1	0	2	1
ROCHESTER	78	62	85	55	70	0	1.7	1.0	.9	11.6	166	21.4	109	93	65	0	0	1	0
SYRACUSE	80	62	88	56	71	1	1.4	-.6	.7	6.6	83	16.3	72	95	61	0	0	4	1
NC ASHEVILLE	85	63	87	59	74	0	T	-.1	T	6.9	62	25.0	83	100	57	0	0	3	2
CHARLOTTE	86	70	88	68	78	0	.3	-.6	.2	10.8	101	22.8	79	91	55	0	0	3	0
GREENSBORO	85	68	87	62	76	0	.4	-.6	.4	13.0	124	23.7	88	88	51	0	0	3	0
HATTERAS	85	70	87	63	77	-1	.4	-.1	.4	14.8	103	27.9	84	97	68	0	0	3	0
RALEIGH	88	69	91	66	79	2	.9	-.2	.6	9.8	86	21.5	77	98	57	3	0	1	0
WILMINGTON	88	71	90	68	80	0	3.0	1.5	3.0	13.9	79	27.5	78	95	58	2	0	2	1
ND BISMARCK	85	56	91	54	70	0	.1	-.4	.1	7.5	109	9.7	79	89	41	2	0	1	0
FARGO	84	56	92	47	70	-1	0	-.7	0	6.2	76	11.5	80	91	39	1	0	0	0
WILLISTON	93	60	101	52	76	7	0	-.4	0	6.4	103	8.7	82	74	26	5	0	0	0
OH AKRON-CANTON	80	62	85	55	71	0	.5	-.1	.4	10.6	120	30.3	125	89	54	0	0	3	0
CINCINNATI	83	63	89	59	73	-2	.6	-.1	.6	9.1	97	25.7	95	97	59	0	0	3	0
CLEVELAND	79	61	83	55	70	0	1.2	-.5	.7	12.5	167	24.5	103	90	57	0	0	2	1
COLUMBUS	82	59	86	52	71	-2	T	-.6	T	10.6	107	29.1	111	90	59	0	0	5	1
DAYTON	83	62	86	56	73	-1	.1	-.5	T	13.4	152	28.2	117	93	59	0	0	2	0
TOLEDO	80	61	85	49	70	-1	.4	-.3	.4	13.2	157	23.2	110	86	54	0	0	2	0
YOUNGSTOWN	79	60	83	52	69	0	.6	-.1	.5	7.8	85	23.5	93	87	51	0	0	3	0
OK OKLAHOMA CITY	88	70	99	68	79	-3	1.8	1.2	1.3	16.9	209	26.7	124	94	53	3	0	5	1

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

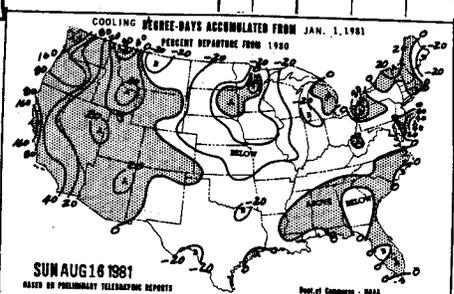
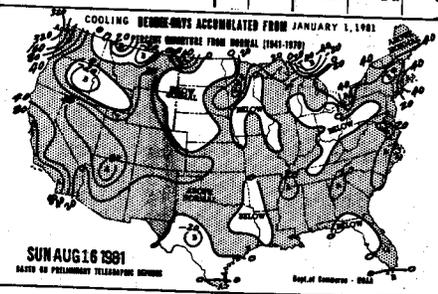
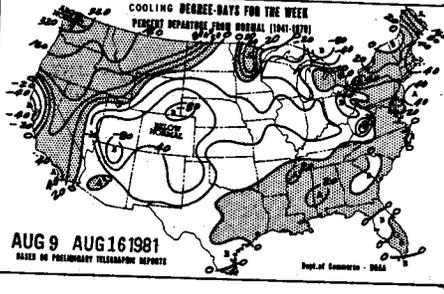
Weather Data for the Week Ending Aug. 16, 1981

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
OR TULSA	89	72	100	68	80	-2	.8	.2	.5	11.9	123	24.6	100	91	57	3	0	4	1
OR ASTORIA	69	58	86	57	64	4	T	.3	T	6.8	166	34.1	95	71	0	0	0	0	
BURNS	92	49	95	43	71	4	T	.1	T	.7	44	7.1	101	1	7	0	0	0	
MEDFORD	102	60	110	54	81	10	0	.1	0	.9	60	6.3	56	69	16	7	0	0	
PENDLETON	99	65	102	63	82	9	0	.1	0	2.4	171	9.0	117	46	16	7	0	0	
PORTLAND	90	61	107	59	76	9	0	.2	0	3.5	146	15.4	76	90	40	3	0	0	
SALEM	92	54	107	48	73	7	0	.1	0	3.6	164	16.7	74	93	35	4	0	0	
PA ALLENTOWN	84	63	91	57	74	1	.9	0	.7	9.9	98	24.2	90	97	55	1	0	4	
ERIE	78	65	85	61	72	4	2.8	2.0	1.2	11.4	133	27.3	118	86	62	0	0	5	
HARRISBURG	85	67	90	62	76	1	.3	.5	.1	11.8	142	23.8	101	93	55	1	0	3	
PHILADELPHIA	86	70	91	64	78	3	.1	.8	.1	13.7	138	26.0	102	95	50	2	0	2	
PITTSBURGH	79	61	83	54	70	-1	.3	.4	.3	12.5	139	26.1	106	94	57	0	0	2	
SCRANTON	82	64	88	57	73	2	.5	.2	.4	8.9	95	24.8	110	88	56	0	0	2	
RI PROVIDENCE	83	64	88	57	74	3	1.5	.6	1.5	8.6	116	20.8	82	96	51	0	0	1	
SC CHARLESTON	91	74	93	71	82	2	1.7	.2	1.1	23.8	132	35.4	99	91	56	6	0	2	
COLUMBIA	89	70	92	68	79	-2	1.7	.4	.8	14.4	116	26.8	86	100	59	2	0	3	
GREENVILLE	86	70	88	69	78	0	.3	.7	.1	7.7	75	20.2	65	94	54	0	0	3	
SD ABERDEEN	86	59	95	53	73	1	.1	.4	.1	7.2	94	11.4	81	86	37	3	0	1	
HURON	84	59	93	49	72	-2	.4	.1	.4	7.9	111	10.8	76	93	49	1	0	1	
RAPID CITY	82	58	90	50	70	-3	1.5	1.1	1.5	8.2	119	11.7	84	90	40	1	0	1	
SIoux FALLS	84	60	94	51	72	-1	.4	.3	.2	9.0	102	12.4	70	90	44	1	0	2	
TN CHATTANOOGA	91	68	95	63	79	1	.2	.5	.1	8.4	72	26.9	79	87	45	5	0	2	
KNOXVILLE	89	69	91	64	79	1	.1	.7	.1	9.6	94	25.0	79	88	49	2	0	1	
MEMPHIS	94	74	100	68	84	3	.1	.7	.1	4.7	53	25.4	76	80	42	7	0	2	
NASHVILLE	88	67	92	63	78	-1	.9	.2	.4	12.6	140	29.3	93	85	42	2	0	3	
TX ABILENE	95	73	101	70	84	0	.6	.1	.4	5.0	78	14.5	92	80	33	7	0	2	
AMARILLO	80	63	90	58	71	-7	3.2	2.5	1.2	7.6	96	12.9	97	98	66	1	0	6	
AUSTIN	99	76	101	72	87	2	T	.4	T	18.4	307	34.3	167	82	36	7	0	0	
BEAUMONT	92	75	94	73	84	1	.3	-1.0	.3	20.3	147	35.0	102	96	55	6	0	1	
BROWNSVILLE	96	76	99	74	86	2	T	.5	T	5.9	120	18.3	148	94	45	7	0	1	
CORPUS CHRISTI	93	75	95	73	84	-1	.5	.1	.4	9.7	164	26.1	163	95	53	7	0	4	
DEL RIO	98	75	101	72	86	-1	0	.2	0	7.9	226	19.8	202	82	39	7	0	0	
EL PASO	88	68	93	66	78	-3	2.7	2.4	1.5	7.1	245	10.4	221	92	43	4	0	5	
FORT WORTH	98	73	104	64	86	0	T	.5	T	10.2	170	24.6	114	81	36	7	0	0	
GALVESTON	91	79	91	78	85	1	.7	.3	.4	16.5	154	24.9	100	83	64	6	0	4	
HOUSTON	96	75	99	73	85	1	T	-1.0	T	14.2	129	32.1	108	93	47	7	0	1	
LUBBOCK	83	66	88	64	75	-4	3.8	3.4	1.9	8.2	137	13.6	113	92	57	0	0	6	
MIDLAND	91	68	96	66	80	-3	3.2	2.9	2.1	4.0	95	10.1	119	86	42	5	0	4	
SAN ANGELO	94	68	98	64	81	-4	1.1	.8	1.1	5.8	157	18.5	176	89	35	7	0	1	
SAN ANTONIO	98	76	100	74	87	2	.2	.3	.2	9.1	160	23.7	141	89	39	7	0	1	
VICTORIA	94	75	96	73	84	-1	.3	.4	.2	14.2	187	28.6	142	96	52	6	0	2	
WACO	100	74	103	65	87	1	.7	.4	.7	8.1	162	18.8	93	86	35	7	0	1	
WICHITA FALLS	94	73	103	71	84	-3	1.5	1.2	.7	8.2	128	21.1	115	85	42	5	0	4	
UT BLANDING	--	--	--	--	--	--	.5	.2	.5	3.7	168	8.3	125	81	39	0	0	2	
SALT LAKE CITY	87	63	93	58	75	0	T	.2	T	1.3	52	9.1	88	59	23	3	0	0	
VT BURLINGTON	78	58	85	48	68	-1	3.0	2.1	1.6	11.2	127	25.4	130	92	53	0	0	3	
VA LYNCHBURG	87	65	90	59	76	1	.7	.2	.6	13.2	136	23.4	95	51	1	0	3		
NORFOLK	87	70	91	65	79	1	.6	.8	.6	12.4	99	22.5	79	95	54	1	0	2	
RICHMOND	88	68	92	63	78	1	.6	.6	.6	9.7	81	24.5	89	94	54	4	0	1	
ROANOKE	88	62	91	55	75	0	.1	.9	.1	6.5	71	18.3	74	93	39	3	0	2	
WA COLVILLE	92	58	96	55	75	8	.5	.3	.3	7.5	268	16.5	165	70	39	6	0	3	
OMAK	103	64	105	60	83	--	T	--	T	1.3	--	6.4	--	--	7	0	2	0	
QUILLAYUTE	71	55	93	53	63	4	T	.6	T	9.9	139	54.7	95	97	66	1	0	1	
SEATTLE-TACOMA	86	60	98	56	73	9	0	.2	0	3.8	146	16.0	79	87	38	2	0	0	
SPOKANE	95	62	98	58	78	10	0	.1	0	2.5	114	9.5	87	73	19	7	0	0	
WALLA-WALLA	103	71	106	67	87	12	0	.1	0	3.4	179	14.0	136	48	17	7	0	0	
YAKIMA	100	62	102	56	81	12	0	.1	0	.7	64	3.2	73	71	18	7	0	0	
WV BECKLEY	76	56	80	50	66	-3	1.0	.2	.8	11.2	104	24.3	84	98	56	0	0	3	
CHARLESTON	84	62	88	58	73	-1	.9	.1	.6	11.8	112	27.2	96	94	50	0	0	3	
HUNTINGTON	85	63	88	57	74	-1	T	.8	T	10.6	110	29.7	111	99	53	0	0	0	
PARKERSBURG	80	64	85	58	72	-2	.2	.6	.1	10.6	102	23.3	87	90	55	0	0	3	
WI GREEN BAY	78	58	88	51	68	-1	.8	.3	.8	5.9	76	13.9	79	97	58	0	0	1	
LA CROSSE	81	62	87	53	72	-1	1.9	1.2	1.7	17.0	179	26.1	132	99	58	0	0	3	
MADISON	80	58	86	46	69	-1	2.1	1.5	2.1	12.6	130	19.5	97	89	53	0	0	1	
MILWAUKEE	76	61	85	55	68	-2	.9	.4	.8	8.3	100	19.8	105	93	59	0	0	2	
WY CASPER	83	51	89	44	67	-3	1.8	.1	.1	2.2	88	8.9	114	83	23	0	0	2	
CHEYENNE	73	51	78	47	62	-6	1.8	.1	.8	7.1	137	14.5	128	95	50	0	0	4	
LANDER	80	55	84	48	68	-2	T	.1	T	1.6	57	8.8	91	66	30	0	0	1	
SHERIDAN	86	54	89	49	70	0	.1	.1	.1	5.7	133	11.7	101	78	25	0	0	2	
PR SAN JUAN	89	76	93	74	83	2	.8	.8	.4	14.1	89	37.9	112	94	66	3	0	4	

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING AUG. 16, 1981.
BASED ON 1941-70 NORMALS. + ACCUMULATION FROM JAN 1, 1981.

Table with columns for STATES AND STATIONS, WEEKLY ACCUMULATION, and SEASONAL ACCUMULATION. Rows list various states and cities with their respective heating degree day values.



**CROP PRODUCTION HIGHLIGHTS**

ALL WHEAT production is forecast at a record high 2.75 billion bushels (74.8 million metric tons), 2 percent less than the July 1 forecast but 16 percent more than last year. The 90 percent confidence interval for this production forecast is 2.66 to 2.84 billion bushels. The winter wheat crop is now forecast at 2.06 billion bushels (56.2 million metric tons), down 1 percent from the July 1 forecast. The durum wheat production forecast is down 3 percent and other spring wheat is down 6 percent from a month earlier.

FOOD GRAIN production (wheat, rye and rice) is expected to total 83.3 million metric tons in 1981, up 16 percent from 1980.

CORN FOR GRAIN production is forecast at 7.73 billion bushels (196 million metric tons) 9 percent above the July 1 forecast and 16 percent greater than last year's crop. The 90 percent confidence interval for this crop is 6.82 to 8.65 billion bushels.

SORGHUM GRAIN production is forecast at 833 million bushel (21.2 million metric tons), up 42 percent from last year's production.

FEED GRAIN production (corn, sorghum, oats and barley combined) is expected to total 236 million metric tons, up 19 percent from last year's 198 million metric tons.

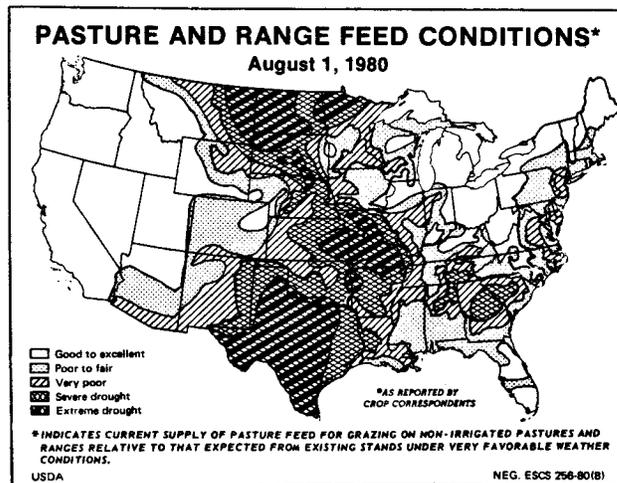
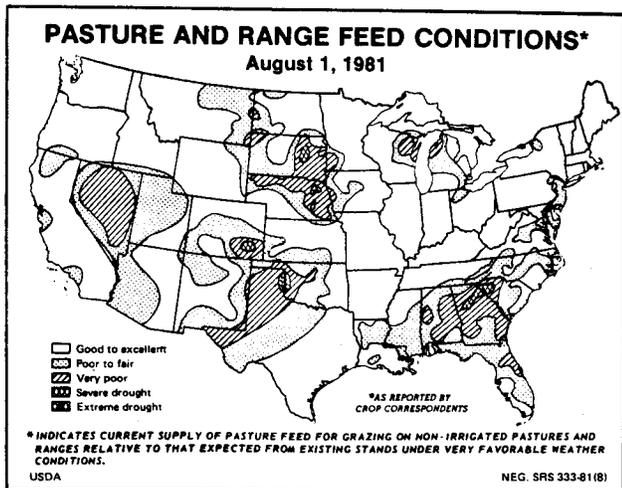
SOYBEAN production is forecast at 2.02 billion bushels (54.9 million metric tons), 11 percent larger than the 1980 crop. The 90 percent confidence interval for this production is 1.84 to 2.20 billion bushels.

HAY production is forecast at 138 million tons (125 million metric tons), a 5 percent

increase from 1980. Pasture and range feed condition on August 1 averaged 82 percent, 22 points above a year ago.

ALL COTTON production is forecast at 14.8 million bales, 33 percent more than in 1980. The 90 percent confidence interval for this production is 12.6 to 17.0 million bales.

**PASTURE AND RANGE FEED:** Pasture and range feed condition on August 1 averaged 82 percent of normal for the 48 contiguous States. This is 22 points above the record low condition of last year and 6 points above the 1970-79 average for this date. During July, condition decreased in 34 States, were unchanged in 2 States, and improved in 12 States. In the Southeast, where dry weather continued to hinder growth of grasses, conditions ranged from very poor to fair. Although some deterioration occurred during July, in the Pacific and Northern Mountain regions, North Dakota, Minnesota, and Wisconsin, pastures were still in good to excellent condition on August 1. Generous rainfall in Kansas, Iowa, and Missouri encouraged good growth during July and pastures were mostly in good to excellent condition on August 1. However, condition was poor to fair in some areas of western and central Iowa and southern and western Kansas. Good to excellent conditions were also reported in the eastern Corn Belt and the Northeast. Texas ranges and pastures, deteriorated during July as grasses suffered from the affects of insects and dry soils. Pastures in the southeastern half of the State were good to excellent - while those in the northwestern half ranged from severe drought to fair. In parts of the Southwest and the Central Mountain States, pastures and ranges were in very poor to fair condition due to dry weather.



CONTINUED FROM PAGE 19 . . .

WYOMING: Most stations below normal temperatures. Highest temperature 94° in Big Horn Drainage while lowest 37° in Upper Platte Drainage. Above normal precipitation most stations. Greatest amounts 2.08 in.

Topsoil moisture adequate 51% State. Winter wheat harvested; 95%; year ago 95%; normal 89%. Spring wheat mature: 80%; year ago 70%; normal 77%. Spring wheat harvested: 35%; year ago 55%; normal 51%. Barley mature: 80%; year ago 75%; normal 82%. Barley harvested: 50%; year ago 50%; normal 52%. Oats mature: 55%; year ago 65%;

normal 65%. Oats harvested: 30%; year ago 45%; normal 40%. Some winter wheat seeded for 1980 crop. Corn silked: 70%; year ago 70%. Small amount corn in milk; year ago 46%. Dry beans setting pods; 55%; year ago 80%; normal 83%. Dry beans leaves turning color; 20%; year ago 15%; normal 14%. Second cutting alfalfa harvested: 45%; year ago 65%; normal 51%. Other hay harvested: 80%; year ago 75%; normal 78%. Ranges, pastures fair to good condition. Fall grazing prospects fair to good. Stock water adequate half of State.



## National Agricultural Summary

August 10-16, 1981

**HIGHLIGHTS:** Rain in the Southeast improved crop conditions and encouraged pasture and range growth. However, much of Texas and the Delta remained dry and crops were showing signs of moisture stress. Dry weather in the spring wheat growing areas enabled farmers to make rapid progress combining. Soil moisture supplies were short to adequate in nearly all areas except New England and Missouri (where supplies were adequate to surplus) and in parts of the Delta (where supplies were very short to short). Farmers in all regions of the Nation except New England had over 4 days suitable for fieldwork. In the West, up to 7 days were available. Corn was in fair to mostly good condition; 52% was in or past the dough stage, 17% was in or past the dent stage. Harvesting became more widespread across the South. Soybean condition rated fair to mostly good; 85% of the crop had bloomed and 58% had set pods. Winter wheat combining reached 94% finished; harvesting centered in the Pacific Northwest, Idaho, Montana, Colorado, and Missouri. Spring wheat was 47% harvested. Cotton was in fair to good condition; boll set was 92% complete. Bolls began opening in early fields. The Texas harvest was 4% finished and limited harvesting was underway in Arizona. Grain sorghum was 77% headed. Harvesting in Texas was 57% complete. Rice was 71% headed; harvesting was 80% finished in Texas and 45% in Louisiana. Pastures and ranges were in fair to good condition. Rainfall improved conditions and promoted growth in the Southwest, although dry weather in the West increased range fire danger.

**CORN:** Corn was in fair to mostly good condition, although some poor to fair stands were reported in the dry Southeast and some good to excellent in the dry Southeast stands were reported in parts of the Corn Belt where very good growing conditions have prevailed. In the 17 major producing States, 52% of the crop was in or past the dough stage, 11 points behind last year and 17% was in or past the dent stage. Progress in Indiana and Ohio continues to lag behind normal due to late planting. Over three-fourths of the corn in the South was mature and harvesting operations were becoming more widespread. Georgia's harvest was 46% complete; Louisiana's, 49%; Alabama's, 38%; and in Texas harvesting was 22% finished. Florida's harvest was nearly completed.

**SOYBEANS:** Soybeans were in fair to mostly good condition throughout the Nation. Rain in the Southeast improved conditions, but more is needed. In the 18 major producing States, 85% of the crop had bloomed and 58% of the crop had set pods. Development generally lagged the average. Progress of pod setting was 40 points behind average in Indiana, 32 points behind in Kentucky, and 30 points behind in Ohio. Pod set neared completion in Iowa.

**SMALL GRAINS:** Winter wheat combining in the 15 major States reached 94% complete, 1 point ahead of last year. Harvesting centered in the Pacific Northwest, Idaho, Montana, Colorado, and Missouri. Farmers plowed harvested winter wheat fields in the north central States and the Northeast. Spring wheat harvest in the five major States was 47% finished, 4 points ahead of

average. Combining made rapid progress in most areas.

**COTTON:** Cotton was in fair to good condition. Boll set was 92% complete in the 14 major producing States, compared with 94% last year. Bolls opened on 31% of the acreage in Arizona, 24% in Mississippi, 14% in Louisiana, 11% in Alabama and Texas, 6% in Tennessee, and 4% in South Carolina. In Texas, 4% of the acreage had been harvested, compared with 10% last year. Some fields in south central Texas shed bolls because of the hot, dry weather. Growth continued well ahead of last year in Arizona. Limited harvesting was underway in stub and early planted fields in Arizona.

**OTHER CROPS:** Grain sorghum was 77% headed, slightly ahead of last year's progress of 75%. Harvesting was active in Texas and the Delta. The Texas crop was 57% harvested as the harvest gained momentum in northern areas of the State.

Rice heading advanced to 71% complete, 4 points ahead of last year. Harvesting was 80% finished in Texas, 45% in Louisiana, and just getting started in Arkansas and Mississippi.

Peanuts were in fair to good condition. Harvesting reached 7% complete in Mississippi, 5% in Texas, and 1% in Alabama.

Tobacco harvest gained momentum in major growing areas. Blue mold, aphids, and black shank damaged some burley tobacco in Kentucky.

**FRUITS AND NUTS:** Peach harvest wound down to completion in southern areas, but neared peak conditions as far north as New Jersey. Early apple harvests became more widespread in northern production regions.

Florida's citrus groves were in very good condition. Recent rains reduced the need for irrigation. New crop fruit made normal progress and trees showed a lot of new foliage. California growers harvested apples, figs, grapes, peaches, pears, plums, pomegranates, and Valencia oranges. Raisins were drying at a rapid pace.

**VEGETABLES:** Growers harvested sweet corn, tomatoes, snap beans, cabbage, cucumbers, peppers, and eggplant from northern production areas. Florida growers prepared land, cared for transplants, prepared fall seedbeds, and began transplanting eggplant, peppers, and tomatoes. Texas growers prepared land and continued to plant fall crops. Early planted fields showed good growth, although moisture was short and irrigation was necessary. California producers harvested broccoli, carrots, cauliflower, celery, lettuce, peppers, potatoes, and tomatoes. Market tomato volume increased and the processing tomato harvest was heavy.

**PASTURES AND RANGES:** Pastures and ranges were in fair to good condition. Rainfall improved conditions and promoted growth in the Southeast. Dry conditions in the West increased range fire danger. Conditions continued to deteriorate in Texas as pastures provided limited grazing. Moisture was needed to maintain growth, although some rain fell and provided relief in the Panhandle and Gulf coast areas.

**CROP PROGRESS** FOR WEEK ENDING AUG. 16, 1981  
NA - NOT AVAILABLE

	CORN % DOUGH		
	1981	1980	AVG.
COLO	37	40	NA
GA	99	98	NA
ILL	75	82	77
IND	45	75	70
IOWA	54	57	57
KANS	55	60	65
KY	80	79	77
MICH	35	50	57
MINN	26	41	41
MO	68	79	63
NEBR	55	70	60
N C	93	89	NA
OHIO	30	60	55
PA	32	35	36
S DAK	33	43	36
VA	74	52	NA
WIS	37	50	34
17 STATES	52	63	NA
EXCL. STATES WITH NA	50	62	58

	CORN % DENT		
	1981	1980	AVG.
COLO	5	7	NA
GA	98	95	NA
ILL	30	47	37
IND	5	20	20
IOWA	13	21	19
KANS	15	20	25
KY	34	34	32
MICH	1	5	7
MINN	5	7	13
MO	37	45	37
NEBR	10	25	15
N C	85	74	NA
OHIO	5	10	10
PA	10	5	5
S DAK	0	7	9
VA	28	14	NA
WIS	12	25	9
17 STATES	17	26	NA
EXCL. STATES WITH NA	14	23	20

	SOYBEANS % BLOOMING		
	1981	1980	AVG.
ALA	86	84	80
ARK	59	65	NA
GA	82	78	NA
ILL	93	100	97
IND	85	98	97
IOWA	100	100	100
KANS	80	85	NA
KY	68	84	70
LA	86	81	87
MICH	90	95	95
MINN	99	99	99
MISS	89	86	89
MO	66	85	79
NEBR	95	100	NA
N C	78	70	NA
OHIO	90	99	98
S C	76	80	76
TENN	83	87	81
18 STATES	85	90	NA
EXCL. STATES WITH NA	88	93	91

	SOYBEANS % SETTING PODS		
	1981	1980	AVG.
ALA	53	58	NA
ARK	39	32	NA
GA	48	35	NA
ILL	65	87	82
IND	35	75	75
IOWA	92	89	91
KANS	40	55	55
KY	25	36	57
LA	64	56	65
MICH	55	65	66
MINN	86	93	83
MISS	57	57	53
MO	41	57	55
NEBR	85	95	90
N C	46	36	NA
OHIO	55	85	85
S C	29	41	39
TENN	38	47	39
18 STATES	58	67	NA
EXCL. STATES WITH NA	61	73	72

THESE 17 STATES PRODUCED 93% OF THE 1980 CORN CROP.

THESE 18 STATES PRODUCED 95% OF THE 1980 SOYBEAN CROP.

	COTTON % SETTING BOLLS		
	1981	1980	AVG.
ALA	100	95	93
ARIZ	100	100	100
ARK	100	98	97
CALIF	95	75	NA
GA	100	100	100
LA	99	99	98
MISS	99	97	95
MO	91	98	90
N MEX	99	99	90
N C	92	92	NA
OKLA	85	65	70
S C	100	100	100
TENN	100	100	88
TEX	89	97	NA
14 STATES	92	94	NA
EXCL. STATES WITH NA	97	94	92

	WINTER WHEAT % HARVESTED		
	1981	1980	AVG.
CALIF	100	100	NA
COLO	99	98	98
IDAHO	47	37	42
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MO	89	100	100
MONT	60	60	70
NEBR	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	76	76	NA
S DAK	100	100	98
TEX	100	100	100
WASH	69	58	70
15 STATES	94	93	NA
EXCL. STATES WITH NA	94	94	95

	SPRING WHEAT % HARVESTED		
	1981	1980	AVG.
IDAHO	37	27	14
MINN	50	55	51
MONT	25	30	30
N D	42	37	33
S DAK	84	100	85
5 STATES	47	49	43

	SORGHUM % HEADED		
	1981	1980	AVG.
COLO	58	70	NA
KANS	60	50	55
MO	66	77	75
NEBR	95	95	90
OKLA	85	75	70
S DAK	80	71	68
TEX	89	90	NA
7 STATES	77	75	NA
EXCL. STATES WITH NA	72	67	68

THESE 5 STATES PRODUCED 92% OF THE 1980 SPRING WHEAT CROP.

THESE 7 STATES PRODUCED 92% OF THE 1980 SORGHUM CROP.

THESE 14 STATES PRODUCED 99% OF THE 1980 COTTON CROP.

THESE 15 STATES PRODUCED 88% OF THE 1980 WINTER WHEAT CROP.

	RICE % HEADED		
	1981	1980	AVG.
ARK	65	53	NA
CALIF	25	40	NA
LA	94	85	88
MISS	73	75	64
TEX	100	100	NA
5 STATES	71	67	NA
EXCL. STATES WITH NA	88	82	81

THESE 5 STATES PRODUCED 98% OF THE 1980 RICE CROP.

	RICE % HARVESTED		
	1981	1980	AVG.
ARK	0	1	NA
CALIF	0	0	NA
LA	45	41	42
MISS	1	0	0
TEX	80	99	84
5 STATES	23	26	NA
EXCL. STATES WITH NA	52	58	52

THESE 5 STATES PRODUCED 98% OF THE 1980 RICE CROP.

NA - NOT AVAILABLE

## State Summaries of Weather and Agriculture

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

**ALABAMA:** Temperatures several degrees above normal. Rainfall widely varied up to 3.00 in. Fieldwork: 5.1 days. Activities: treating row crop pests; harvesting fruit, vegetables, corn and hay. Corn: mature 87%, 73% 1980, 52% average. Harvested 38%, 28% 1980. Soybeans: blooming 86%, 84% 1980, 80% average. Setting pods 53%, 58% 1980. Cotton: bolls open 11%. Setting bolls 100%, 95% 1980, 93% average. Peanuts: dug 1%. Conditions: corn, peanuts, sorghum good; soybeans, cotton, pastures fair.

**ALASKA:** Tanana Valley: Summer weather turned to a touch of autumn temperatures cooled from lower 70's to mid 40's during the day. By week's end pulling averages 5 to 13° below normal. Kenai Peninsula: Cool wet week as temperatures fell below normal and precipitation amounts typically from 1.50 to 3.00 in. Kodiak Island: normal week.

Rail belt skies were cloudy and temperatures mostly cool. Days suitable for haying activity varied from zero in Matanuska Valley up to 6 Delta Junction area. Farmers in Fairbanks area harvested 30% second crop hay. Dry days needed to gain momentum elsewhere. Early seeded small grain fields ripening with 50% turning color. Very little ripening. Wind, rain damage light to moderate. Grain harvest expected to begin within two weeks. Light frost at week's end some areas. Potato digging underway. Soil moisture supply mostly adequate to surplus.

**ARIZONA:** Numerous showers and thunderstorms and cooler air dominated weather pattern over State with drying trend over weekend with marked decreased activity. Total rainfall amounts mostly between 0.25 and 1.50 in. but locally over 2.00 in. with minor flash flooding. Average temperatures mostly 1 to 7° below normal except normal along lower Colorado River.

Cotton growth continued well ahead last year. It is estimated 31% of crop had open bolls. Yuma County crop well advanced with limited but increasing harvest underway in stub and early planted cotton. Some farmers indicating plans to defoliate early to offset future spraying costs. Later-producing southeastern counties have some cotton beginning show open bolls. Sorghum in jointing, heading stages with development rated average. Corn continued to make good progress with early September harvest start expected. Alfalfa cuttings continued seasonally although moderate to heavy rains damaged some of crop in west and southeast parts of State. Seedbed preparation and pre-irrigation sugarbeets underway with planting start during late August or early September. Early harvest lemons in Yuma area should be underway during last half August. Seeding of fall vegetables and melons continued with earlier planting making favorable growth. Fall honeydew planting completed in western areas. Citrus groves continued in good condition. Rains improved range conditions. Spotty rains in southeast reported with pasture conditions fair to good. Grazing conditions in north remained fair to good condition with rains beneficial. Stock water short to adequate while soil moisture adequate to surplus reported in areas. Cattle remained fair to good condition.

**ARKANSAS:** Cool, damp northern part of State, dry, near normal temperatures remainder. Highest temperature 102°, lowest 55°. All departures from normal -5 to +3°. Most rainfall 1.47 in., least zero.

All crops good condition. Rice headed 65%, 53% 1980. Soybean blooming 59%, 65% 1980; setting pods 39%, 32% 1980. Cotton bolls open trace, 4% 1980, 2% average. Seven days suitable for fieldwork. Limited harvest of rice. Corn harvest 16%, 5% 1980. Sorghum harvest 14%, 8% 1980. Soil moisture supplies mostly adequate. Forage cover on pastures slightly above average. Livestock good condition.

**CALIFORNIA:** Trend of average temperatures was well above normal and well above normal in the Cascade-Sierra Nevada region with highs there over 100°. The Central Valley, Red Bluff to Bakersfield, had highest readings well over 100°, and even some near the coast valleys topped the century mark. Late in the week, heavy thunderstorm activity developed over southeast interior and some local flooding was reported from the extreme south part. Excellent weather continues.

Small grain harvest complete. Cotton doing well, boll set 95%. 75% last year. Rice headin at 25%, doing well. Sugarbeets developing normally. Early dry bean plantings at bloom to fruit set. Double crop dry bean plantings continue. Alfalfa harvest continues--storms in Imperial County adversely affected current cutting. More varieties apples from Sebastopol, Watsonville. Figs continue to market. Table grapes gain momentum. Thompson maturity improved. Raisins dry rapid pace. Wine grapes ripen early, North Coast begin next week. Nectarines continued good condition. Clings active. Freestones continue, good quality. Pear harvest active, mountain district gets underway. Plum harvest continues. Pomegranates started. Prunes coloring, holding well. Ruby grapefruits look good. Valencia harvest progresses normally. Almond knocking early to control Navel orange worm, pistachios show pink. Walnuts progress well. Artichokes light supply. Broccoli, carrots good supply Central Coast. Cauliflower moderate supply Central Coast. Cantaloup harvest active west-side. Celery harvest moderate Central Coast, planting South Coast. Lettuce supplies moderate Central Coast; planting active San Joaquin Valley. Pepper harvest increasing Central Coast. Potato harvest active Stockton, Riverside. Fall potato crop sizing well Tulelake-Butte Valley; first Norgolds to be dug this month. Market tomato volume increased South, Central Coast. Progressing tomato harvest heavy central valleys. Range normal. Stock water declining.

**COLORADO:** Daily afternoon and evening showers and thunderstorms produced precipitation averaging 0.50 in. over the north and west and 1.50 in. over the southeast. Clouds and precipitation caused a temperature average of 3 to 8° below normal.

Winter wheat ripe 100%, 100% 1980, 100% average; harvested 99%, 98% 1980, 98% average; new crop seeded 1%, 5% 1980, 3% average. Barley turned color 92%, 90% 1980; ripe 80%, 73% average; harvested 58%, 55% 1980, 61% average. Corn silked 94%, 89% 1980; 93% average; dough 37%, 80% 1980, dented 5%. Summer potatoes harvested 14%, 3% 1980, 30% average. Sorghum headed 58%, 70% 1980; turned color 3%. Dry beans flowered 87%, 90% 1980, 87% average; cut 2%. Alfalfa 2nd cutting 77%, 73% 1980, 81% average; 3rd cutting 19%, 10% 1980, 21% average. Spring

wheat harvested 31%, 29% 1980. Ranges and pastures fair to good condition. Livestock good condition. Fieldwork: 4.5 days suitable.

**FLORIDA:** Showers and thundershowers were scattered over State. Rainfall amounts varied with most amounts near 1.00 in. or less but a few places received in excess of 2.00 in. Temperatures were normal for summertime with highs mostly in low 90's and lows mostly in the 70's.

Soil moisture mostly adequate Statewide, except a few scattered areas in eastern counties and few isolated spots in the Panhandle. Corn and tobacco harvest about complete. Soybeans and peanuts fair to good condition. Soybeans blooming and setting pods; peanuts pegging. Haymaking continues. Sugarcane condition improving. Recent rains beneficial. Pastures continue to improve, Panhandle and southern pastures good to excellent. Other areas range from poor to excellent. Cattle mostly good. Citrus grove condition very good, several rains most areas. Very little irrigation, a lot of new foliage, new crop fruit making normal progress. Land preparation, laying of plastic for fall vegetable plantings in full swing. Seeding, transplanting increasing celery, eggplant, peppers, tomatoes. Some cabbage seedbeds have been started. Seeding sweet corn continues Everglades. Remaining vegetable plantings expected to get underway by 1st.

**GEORGIA:** Rainfall variable, less than 1.00 in. north to over 4.00 in. south. Temperatures averaged near normal. Widespread showers ranging 0.25 in. to almost 6.00 in.

Soil moisture short to mostly adequate. Four days suitable for fieldwork. Harvesting, haying, spraying major activities. Corn poor to fair, 99% dough, 98% last year; 98% dent, 95% last year; 93% mature, 83% last year; 46% harvested, 35% last year. Peanuts fair to good; 100% blooming this year, last year, average; 99% pegging, 100% last year and average. Soybeans fair to good; 82% blooming, 78% last year; 48% setting pods, 35% last year. Cotton fair to good; 100% squaring and setting bolls this year, last year, average; 19% open, 26% last year, 14% average. Tobacco fair to good; 77% harvested, 77% last year, 84% average. Peaches fair to good; 97% harvested, 99% last year, 98% average. Apples fair to good; 35% harvested this year and last. Watermelons fair to good; 96% harvested, 95% last year and average. Pecans fair to good; pastures and hay crops fair to good. Cattle fair to good; hogs fair to mostly good.

**HAWAII:** Weather generally favorable. Rains beneficial to most sections. Water levels, irrigation, reservoirs, adequate. Relaxed water use restrictions have increased new plantings Island of Hawaii. Spraying frequent to control diseases and insects. A new insect attacking banana root discovered, Island of Oahu. Confined in one section thus far.

Vegetables: leafy crop supplies light. Others adequate. Bananas: rains beneficial. Root borer affecting some orchards Island of Oahu. Papayas: supplies down. Rains added more moisture. Pineapples: harvesting gradually decreasing. Peak season just about over. Sugar: steady harvesting. Pastures: turning green from the previous week's rains in areas affected by the drought.

**IDAHO:** Temperatures averaged from near normal to 13° above normal. High in Lewiston of 105°, low in Stanley of 31°. Only measurable precipitation was in isolated areas of south central.

Winter wheat harvested: 47%, 37% in 1980, and 42% average. Spring wheat harvest: 37%, 27%, 14%. Barley harvested: 42%, 28%, 26%. Pea harvest:

7%, 34%, 66%. Lentil harvest: 11%, 12%, 44%. Sugarbeets and beans in good condition. Water supplies tightening and ranges dry.

**ILLINOIS:** Temperatures 1 to 5° below normal. Precipitation 1.00 to 7.00 in. most of State, heaviest northern third.

Corn condition 32% excellent, 66% good, and 2% fair; 75% dough, 82% 1980, and 77% average; 30% dented, 47% 1980, and 37% average. Soybeans 93% blooming, 100% 1980, 97% average; 65% setting pods, 87% 1980, 82% average; condition 7% excellent, 77% good, 16% fair. Alfalfa condition 28% excellent, 66% good, 6% fair; third cutting 42% complete, 36% 1980, 38% average. Pastures 30% excellent, 66% good, 4% fair. Soil moisture 2% short, 72% adequate, 26% surplus. Fieldwork: 5.0 days suitable.

**INDIANA:** Moderate temperatures and rainfall. Daily highs averaged 3° below normal, daily lows 1° above normal. Range from 45 to 90°. Rainfall 1.00 in. in west, 0.60 in. central, and 0.40 in. in east. Sunshine 52 to 72% of possible.

Fieldwork averaged 5 days. Topsoil and subsoil moisture adequate. Corn 45% in dough, 1980 75%, average 70%; corn 5% dented, 1980 20%, average 20%. Soybeans 85% in bloom, 1980 98%, average 97%; soybeans 35% podding, 1980 75%, average 75%. Corn and soybean condition fair to mostly good. Alfalfa hay 90% cut 2nd time, 1980 95%, average 95%. Wheat land 20% plowed, 1980 15%, average 20%.

**IOWA:** Temperatures slightly below normal while precipitation was above normal except for the southwestern one-third of the State.

Topsoil moisture: 5% short, 74% adequate, 21% surplus. Subsoil moisture: 23% short, 66% adequate, 11% surplus. Corn in or past dough stage: 1981 54%, 1980 57%, normal 57%. Corn in or past dent stage: 1981 13%, 1980 21%, normal 19%. Second crop clover hay harvested: 90% complete, 1980 84%, normal 79%. Third cut alfalfa hay harvested: 41% complete, 1980 30%, normal 32%. Fieldwork: 5.4 days suitable. Crop conditions: pasture, hay and soybeans mostly good, corn excellent. Livestock reported to be in mostly good to excellent condition.

**KANSAS:** Precipitation variable, averaged 0.30 in. south central to 1.00 in. east central. Amounts ranged less than 0.10 in. to over 3.00 in. south-east. Temperatures averaged 73° northwest and 76 to 78° east and south. These were normal north-east and 2 to 4° below normal elsewhere.

Row crop condition improved slightly, still good to excellent. Corn lags normal development, 97% silking, same as 1980; corn dough 55%, 60% last year, 65% average; dent reached 15%, 1980 20%, average 25%. Soybeans blooming 80%, last year 85%; soybeans podding 40%, last year and average 55%. Sorghum headed 60%, last year 50%, average 55%; sorghum coloring 5%, last year and average 10%. Greenbug population still growing some areas, although enemies increasing, spraying may become necessary. Fieldwork: 4.0 days suitable.

**KENTUCKY:** Temperatures averaged 1 to 3° below seasonal normals, with the coolest readings in the middle of the week. Rainfall averaged less than 0.25 in. over all but the west where amounts near 1.00 in. fell in several locations.

Soil moisture mostly adequate. Soybean development behind; 68% blooming, last year 84% blooming and average 70%; 25% of the soybeans setting pods, behind last year's 36% and average of 57%. Corn prospects mostly good to excellent, 80% dough stage compared to 79% last year and 77% average; dent stage 34%, same as last year, average 32%. Burley tobacco highly variable, blue mold, aphids and black shank causing damage, 52% of burley topped, 75% of dark tobaccos topped. Third cutting

alfalfa hay, 50% complete, pastures mostly good to excellent.

LOUISIANA: Rainfall below normal. Temperatures about 2° above normal.

Soil moisture short. Days suitable: 6.0. Corn mature 89%, 79% 1980, 86% average; harvested 49%, 30% 1980, 24% average; condition good. Rice headed 94%, 85% 1980, 88% average; ripe 62%, 49% 1980, 58% average; harvested 45%, 41% 1980, 42% average; condition good. Cotton setting bolls 100%, 99% 1980, 98% average; open bolls 14%, 4% 1980 and average; condition fair. Soybeans blooming 89%, 81% 1980, 87% average; setting pods 67%, 56% 1980, 65% average; condition fair to good. Sorghum headed 94%, 90% 1980, 93% average; ripe 49%; harvested 26%; condition fair to good. Sugar-cane good condition, planting just underway. Vegetables rated fair. Sweetpotatoes harvested 22%, 19% 1980, 13% average; condition fair to good. Pastures rated fair to good; livestock good.

MARYLAND AND DELAWARE: Maryland: Corn most areas good to excellent condition, 100% silked; 70% dough; 40% dent. Last year 85% silked; 60% dough; 40% dent. Soybeans generally good, 70% bloom; 25% podded. Hay 3rd cutting alfalfa 65% complete; last year 85%. Second cutting other hay 40%, last year 70% complete. Tobacco harvested 40%, last year 15%. Cucumbers, snap beans, potatoes 100% harvested, last year 90% for cucumbers and snap beans and 100% for potatoes. Cantaloupes 90% harvested, 70% last year. Sweet corn 80% harvested, last year 75%. Watermelon 70%, last year 65%. Tomatoes 75%, last year 50%. Apples 20%, last year 0. Peaches 60%, last year 55%. Delaware corn crop ranged from poor to fair with better corn north, 100% silk; 75% dough; 55% dent. Soybeans 55% bloom; 10% podded, last year 40% bloom, 15% podded. Hay 3rd cutting alfalfa 80% complete; 1980 3rd cutting 90%. Other hay 3rd cutting 80%; last year 75%. Vegetable harvest: 80% corn, and snap beans; 70% cantaloupes and potatoes; 60% tomatoes and peaches, 90% cucumbers and 5% apples.

MICHIGAN: Little precipitation fell. The east central portion of the lower Peninsula was the only area of the State where over 1.00 in. of rain fell. Near normal temperatures were reported.

Soil moisture supplies remain short throughout most of the Lower Peninsula, stalling crop progress. Second cutting hay nearing completion in southern areas with 75% cut statewide. About 5 days were suitable for fieldwork. Close to 70% of the dry beans have set pods, 85% last year and 78% normal. Pods set on soybeans stand at 55%, 65% last year and normal. Corn 35% in the dough stage, 45% last year and 50% normal. Oat harvest active with 80% in. Potato harvest 25% complete. Summer apples 45% picked. Close to 55% of the cukes for pickles now in.

MINNESOTA: Temperatures averaged near normal. Extremes 98° at Browns Valley and 41° at Hibbing and Aitkin. Precipitation averaged 0.35 in. to 1.25 in. above normal southwest through southeast, but 0.50 in. to 0.91 below normal elsewhere. Precipitation totaled 1.00 in. to 2.00 in. through southeast and from zero to 0.25 in. elsewhere.

Heavy rains in some areas added to already wet conditions. Most of the week was favorable for harvest. Topsoil moisture rated 3% very short, 12% short, 61% adequate and 24% surplus. Swathed: Spring wheat 87%, 1980 90%, normal 75%; oats 99%, 1980 89%, normal 95%; barley 98%, 1980 97%, normal 89%; winter wheat 99%, 1980 99%, normal 97%; rye 99%, 1980 99%, normal 97%; flax 11%, 1980 14%, normal 23%. Combined: Spring wheat 50%, 1980 55%, normal 51%; oats 78%, 1980 79%, normal 72%;

barley 84%, 1980 85%, normal 73%; winter wheat 86%, normal 87%, 1980 90%; rye 88%, 1980 89%, normal 86%; flax 4%, 1980 4%, normal 13%. In milk: Corn 82%, 1980 93%, normal 82%. Dough: Corn 26%, 1980 41%, normal 41%. Dent: 5%, 1980 7%, normal 13%. Blooming: Soybeans 99%, 1980 99%, normal 99%. Setting pods: Soybeans 86%, 1980 93%, normal 83%. Yellowing: Soybeans 4%, 1980 1%, normal 4%.

MISSISSIPPI: Temperatures slightly below normal in north, slightly above in south. High temperature was 103°, low was 59°. Some showers in the south. Greatest 24-hour rainfall was 1.14 in.

Soil moisture very short to short. Days suitable for fieldwork: 6.4. Cotton 99% setting bolls, 97% last year, 95% average; 24% open bolls; condition fair to good. Soybeans 89% blooming this year and average, 86% last year; 57% setting pods this year and last, 53% average; 3% turning, 8% last year; condition fair. Corn 99% dented, 95% last year; 70% mature, 37% last year, 17% harvested, 9% last year; condition good to fair. Rice 73% headed, 75% last year, 64% average; 18% turning color, 25% last year, 8% average; 1% harvested; condition good. Sorghum 92% headed, 81% last year; 41% ripe, 9% last year; 13% harvested. Hay 82% harvested; peaches 89%; sweetpotatoes 7%; watermelons 92%; peanuts 7%. Pasture conditions fair.

MISSOURI: Temperatures averaged nearly 3° below normal in most parts of the State. Precipitation was light, except in the south central where as much as 3.00 in. of rain was received.

Fieldwork: 4.7 days suitable. Corn 68% in dough stage, last year 79%, normal 63%; 37% dented, last year 45%, normal 37%. Grain sorghum 66% headed, last year 77%, normal 75%. Soybeans 66% blooming, last year 85%, normal 79%; 41% setting pods, last year 57%, normal 55%. Wheat 89% harvested, last year 100%, normal 100%. Alfalfa hay 3rd cutting 42% harvested, last year 66%, normal 51%. Other hay 83% harvested, last year 100%. Cotton 91% setting bolls, last year 98%, normal 90%. Condition of corn and pasture good to excellent. Condition of soybeans and grain sorghum fair to good. Condition of cotton fair. Topsoil moisture supply adequate to surplus. Oats 91% harvested, 100% 1980, normal 100%.

MONTANA: Very warm week. West of Divide temperatures averaged 7° above normal. Elsewhere over State temperatures averaged from 1 to 5° above normal. Highest 101° Thompson Falls, lowest 30° West Yellowstone. Scattered thunder-showers late in week with light to moderate rainfall.

Topsoil and subsoil moisture short to adequate. Fieldwork: 6 days suitable. Progress of small grains in percent compared with last year and normal: winter wheat ripe 35, 35, 25; harvested 60, 60, 70. Spring wheat turning 40, 30, 30; ripe 30, 35, 35; harvested 25, 30, 30. Barley turning 35, 30, 35; ripe 35, 35, 30; harvested 25, 30, 30. Oats turning 25, 25, 25; ripe 30, 35, 30; harvested 40, 35, 40. Winter wheat seedings expected to start September 8. Second cutting alfalfa harvested 45% compared with 50% normal. Wild hay 90% harvested compared with 80% normal. Late grazing range prospects fair to good.

NEBRASKA: Temperatures: Near normal Panhandle; 3 to 5° below normal remainder. Precipitation: Around 0.50 in. over most of State.

Dryland corn mostly good to fair; irrigated corn mostly good to excellent; dough 55%, last year 70%, normal 60%; denting 10%, last year 25%, normal 15%. Sorghum mostly good to excellent; heading 95%, last year 95%, normal 90%; turning 15%, last year and normal 20%. Soybeans mostly

good to excellent; pods setting 85%, last year 95%, normal 90%. Alfalfa mostly good to fair. Pasture and range feed supplies mostly adequate to short. Topsoil and subsoil moisture mostly adequate to short. Days suitable: 4.6.

**NEVADA:** Low pressure area over Utah caused numerous thunderstorms. Flash flooding, strong winds south on 10th. Strong winds, heavy showers central areas on 12th. Rainfall varied considerably due to thunderstorms. Temperatures warm north despite cloudy afternoons; 5° above normal. Near normal south. Extremes: 116 and 34°.

Harvest small grains and hay good progress. Potatoes making good growth. Ranges extremely dry.

**NEW ENGLAND:** Temperatures: averaged a little above normal. Precipitation: north, rain on and off throughout week; south, showers mid-week and weekend. Greatest amounts over the weekend. Fieldwork: 3.6 days favorable. Soil moisture: adequate to surplus. Hay harvested: second crop, 52%; third crop, harvest was started. Potatoes: wet grounds, some flooding. Oats turned, approaching harvest. Apples: early varieties being harvested, sizing well. Vegetables harvesting, good quality. Cranberries: sizing, coloring, good prospects. Raspberries: harvest virtually complete, yields lower than expected. Sweet corn 46% harvested. Good conditions: corn, oats, potato, vegetables, cranberries. Fair condition: apples, blueberries. Grazing adequate.

**NEW JERSEY:** Temperatures averaged 1 to 2° above normal. Extremes 48° at Charlotteburg and Neshanic Station on 17 and 93° at Pomona on 10th. Rainfall 0.91 in. north, 0.48 in. central and 1.66 in. south. Heaviest 24-hour total 1.33 at Atlantic City on 12th to 13th. Estimated soil moisture, in percent of field capacity, 73 north, 63 central and 80 south. Four inch soil temperature 73 north, 76 central and 76 south.

Fieldwork: 5.5 days suitable. Rainfall varied. Many areas still need a good rain. Harvest of summer vegetables declining. Planting of fall crop continues. Irish potato digging heavy. Blueberry harvest complete. Peaches of good size moving in good volume. Harvest nearing peak. Fall apples sizing well. Field corn and soybeans need more rain in some areas. Third cutting of hay starting. Pasture growth limited, more rain needed to improve growth.

**NEW MEXICO:** There was an adequate amount of soil moisture in most areas. Land preparation for small grain planting, chile picking, silage harvest, and some hay cutting were the major farm activities. Outside activity was very limited due to rainfall. Cotton in good condition and showing heavy vegetative growth in some areas. Alfalfa in good condition, but, harvest was at a standstill in most areas due to rainfall. Corn silage harvest just getting underway. Grain sorghum progressing well with heading about 65% complete. Green chile harvest well underway in the Mesilla Valley. Tomatoe harvest underway. Fall lettuce planting complete. Potato harvest continuing while peanuts in good condition and showing excellent growth. Pecan nut drop light to moderate.

**NEW YORK:** Rainfall above normal in all but southern areas. Temperatures above normal.

Corn condition good to excellent. Oats for grain 40% in, 45% 1980, 56% average. Wheat harvest 95% done, 90% 1980, 94% average. Second cutting alfalfa 71% done, 64% 1980, 75% average. Third cutting alfalfa 10% cut, 11% 1980, 14% average. Early week Upstate vegetable harvesting slowed or stopped by rains, late week harvesting

active. Steuben County potato harvest starting. Clinton County apple harvest underway. Finger Lakes region grapes that survived the winter freeze in good condition.

**NORTH CAROLINA:** Temperatures: near normal. Precipitation: average of 1.00 in. in the east to none in the west.

Fieldwork: 5.2 days suitable. Soil moisture: 4% very short, 17% short, 74% adequate, 5% surplus. Conditions: pasture, tobacco, corn, cotton peanuts, soybeans, hay sweet-potatoes, apples, peaches, and truck crops mostly good. Harvest: flue-cured tobacco 60%, 1980 47%, 52% average; sweetpotatoes 2%, 1980 3%, 3% average; corn for silage 23%, 1980 18% average; apples 4%, 1980 10%, 11% average; peaches 92%, 1980 81%, 93% average; hay 77%, 1980 84%, 76% average. Phenological stages: cotton bloomed 92%, 1980 92%; corn dough stage 93%, 1980 89%; corn dent stage 85%, 1980 74%; corn matured 55%, 1980 47%; soybeans blooming 78%, 1980 70%; soybeans setting pods 46%, 1980 36%.

**NORTH DAKOTA:** Generally dry weather. Severe thunderstorms with high winds, large hail and very heavy rains on the 15th in southwest. Up to 3.38 in. precipitation. Temperature averages from 3° above normal northwest to 3° below normal southeast. Extremes from 101° northwest to 40° southeast.

Dry weather allowed rapid progress on small grain harvest. Combining of hard red spring wheat was about 4 days ahead of last year and average. An average of 6.4 days suitable for fieldwork. Yields and quality continued quite variable but some improvement on later seeded crops. Percent combined with last year and average: Hard red spring wheat 42, 37, 33; durum 28, 16, 17; barley 69, 44, 53; oats 51, 50, 46; winter wheat 83, 91, 86; and rye 90, 85, 86. Row crop development rapid. Now near average for date for most crops. Most areas need additional moisture. Rust and mold problems in dry beans. Some leaf spot in sugarbeets. Sunflower 83% bloom or beyond, 75% last year, 85% average. Flax combining begun; 1% combined, 6 last year, 3 average.

**OHIO:** Average high temperatures were from 0 to 4° below normal. Average lows were around 60°, near normal. Growing degree days ranged from around 140 to 160. These values vary from 11 above normal to 7 below normal. Precipitation was as much as 0.25 in. below in the northwest and 0.75 in. below in parts of the south. Amounts ranged from nearly 0 to 1.49 in. Only 2 days were rain-free over the entire State.

Corn in dough or beyond 30%, 60% 1980, 55% average. Corn silked 90%, 100% 1980, 100% average. Soybeans blooming or beyond 85%, 99% 1980, 98% average. Soybeans, pods setting 55%, 85% 1980, 95% average. Alfalfa, 2nd cutting 90%, 85% 1980, 95% average. Other hay 2nd cutting 75%, 65% 1980, 75% average. Tobacco topped 40%, 60% 1980, 45% average. Days favorable: 6.0. Pasture condition good. Soil moisture 39% short, 59% adequate, 2% surplus.

**OKLAHOMA:** Rainfall ranged from 0.60 in. each central to 1.50 in. west central and central. Temperature departure from normal ranged from 1° below east central and southeast to 7° below Panhandle.

Cool temperatures coupled scattered rain enabled most row crops and pastures improve. Wheat seedbeds prepared: 25% 1981, 25% 1980; 20% average. Sorghum heading: 85% 1981, 75% 1980; 70% average. Sorghum milk to dough; 25% 1981; 20% 1980; 35% average. Sorghum mature: 10%; 5% 1980; 5% average. Cotton squaring: 100% 1981; 95% 1980; 100% average. Cotton setting bolls:

85% 1981; 65% 1980; 70% average. Days suitable for fieldwork: 4.8.

**OREGON:** Well above normal temperatures with record highs in several locations. The north central and coastal sections had only precipitation reported: traces to 0.13 in.

Soil moisture supplies low due to heat and lack of rain. Wheat harvest 76% complete; same as a year ago. Yields high in east, low in west. Haying, grass seed harvest, and peppermint harvest continues. Bartlett harvest started in southern areas. Heat accelerating maturity of most fruits; some sunburn in Hood River area. Blueberry and blackberry harvest continuing. Vegetables coming on fast due to weather; some blossom drop on late beans. Weather good for aphid population reduction in filberts. Walnut husk fly spraying underway. Livestock condition good. Ranges and pastures showing effects of hot, dry spell, but plenty of forage. Fires reported throughout the State.

**PENNSYLVANIA:** Variable cloudiness with near normal temperatures for the second consecutive week. Extremes: 91 and 38°. Scattered showers 11th and on the weekend along with a few thunderstorms 14th produced rainfall totaling 2.50 in. or less most sections except parts of east central and Lower Susquehanna where up to 1.00 in., northwest mountains with 1.00 to 2.00 in. and 2.75 in. Erie area.

Five days suitable. Topsoil moisture adequate to short. Activities: making hay; combining oats; baling straw; digging potatoes; plowing; topping tobacco; harvesting vegetables, peaches and apples. Wheat harvest virtually complete, same as last year. Oats 83% combined; last year 82%. Tobacco less than 5% harvested; last year 7%. Potatoes 15% harvested; last year 22%. Corn 50% silked, 32% in dough and 10% in dent; last year 53% silked, 35% in dough and 5% in dent. Average: 52% silked, 36% in dough and 5% in dent. Fall plowing 11% complete; last year 20%. Alfalfa second cutting 83% complete; last year 82%. Third cutting alfalfa 30% complete, same as last year. Second cutting clo-tim 54% complete; last year 73%. Hay quality good to fair. Feed from pasture average to below average.

**PUERTO RICO:** Island average rainfall 2.21 in. or 0.55 in. above normal. Highest weekly total 5.35 in. Highest 24-hour total 2.32 in. Temperatures averaged about 82° on Coasts and 79 to 78° Interior divisions. Extremes: 96 and 61°.

**SOUTH CAROLINA:** Cloudier than usual except east and south with little day-to-day temperature changes. Highest temperature 94°. Heaviest rainfall 2.26 in. in central, northeast areas.

Soil moisture adequate. Five days suited for fieldwork. Corn fair to good condition; 77% mature, 75 last year, 74 average; 16% harvested, 15 last year, 17 average. Cotton good condition despite rainy conditions, boll weevils requiring control; bolls 100% set as usual; 4% open bolls, 10 year ago, 8 average. Peanuts good condition, white mold increasing in humid weather. Soybeans good condition, widespread insect pressure, wet soils hindering spray schedules; 76% blooming, 80 last year, 76 average; 29% setting pods, 41 last year, 39 average. Tobacco condition good, latest stage maturing slowly; 71% harvested, 67 last year, 81 average. Major peach varieties among 93% harvested, 88 year ago, 94 average. Apple conditions good, rains would benefit; 4% harvested, 5 last year, 11 average. Cucumber 44% planted, 32 last year.

**SOUTH DAKOTA:** Precipitation scattered. Temperatures 1 to 4° below normal. Extremes: 96 and 31°.

Topsoil moisture adequate over extreme southwest and through central regions and extreme southeast, short elsewhere. Small grain harvest near or above normal for all grains. Six days suitable. Row crop conditions; corn 86%, soybeans 86%, sorghum 92% and sunflowers 89% of normal. Range and pasture conditions 72%. Second crop alfalfa 69% cut; wild hay harvest 62%. Winter rye harvested 97%, 1980 100%, average 96%. Oats harvested 95%, 1980 100%, average 85%. Spring wheat harvested 84%, 1980 100%, average 85%. Barley harvested 97%, 1980 100%, average 93%. Corn tasseled 96%, 1980 100%, average 99%. Corn silked 88%, 1980 99%, average 99%. Corn dough 33%, 1980 43%, average 36%. Sorghum headed 80%, 1980 71%, average 68%. Sorghum showing colors 11%, 1980 16%, average 9%. Sunflowers bloomed 1980 82%, average 79%.

**TENNESSEE:** Dry weather dominated most of the State. A cold front moved through the north-middle part of the State over the weekend bringing precipitation. Temperatures were near normal for the week.

Fieldwork: 5.7 days suitable. Soil moisture adequate to short. Many areas across the State in need of a soaking rain to improve soil moisture levels. Soybeans blooming 83%, 1980 87%, average 81%. Soybeans setting pods 38%, 1980 47%, average 39%. No significant insect problems have been reported by soybean growers but weeds present in most fields. Cotton setting bolls 100%, 1980 100%, average 87%. Cotton open bolls 6%, 1980 and average 2%. Bollworms becoming a problem and spraying was reported in several counties. Corn in dough stage 100%, 1980 100%, average 79%. Corn in dent stage 65%, 1980 56%, average 38%. Corn mature 14%, 1980 8%, average 6%. Silage cutting underway. Burley tobacco 75% topped. Burley tobacco harvest 25% completed, 1980 12%, average 10%. Dark-fired harvest 34%, 1980 5%, average 12%. Air-cured harvest 38%, 1980 4%, average 7%. Pastures in fair condition. Lespedeza hay harvest 48%, 1980 36%, average 34%. Peach harvest in final stages and apple harvest progressing well. Grasshopper and aphid populations on the rise and causing some damage in home gardens.

**TEXAS:** Weather: A weak frontal system first part of week caused scattered areas thunderstorms. Dissipated South Texas toward mid-week. Latter part week another frontal system moved into State and triggered areas of thunderstorms. Temperature 4 to 6° below normal through western part of State; near normal elsewhere. Rainfall 1.50 to 2.00 in. above normal West Texas; near normal through central part; 0.50 to 0.75 in. below normal East Texas, along Coast.

**Commercial Vegetables:** Rio Grande Valley, planting fall crops continued. Early fields showing good growth. Moisture short, irrigation necessary. Coastal Bend, activity light, planting fall cabbage, cucumbers resumed. San Antonio-Winter Graden area, land preparation virtually complete, fall planting active. Uvalde harvest of cucumbers for pickles winding down. East Texas, fall preparation continued. Sweetpotatoes showing good growth. Harvest expected lat August. North Texas, harvest of cantaloups, watermelons active. Trans-Pecos, cantaloupe harvest slowed, showers fell during week. High Plains, harvest of onions, potatoes tapering off. Cabbage, peppers available. Peach harvest continued North Texas, High Plains. Pecans continue to mature rapidly, droppage continued. Insecticide spraying active.

**Range and Livestock:** Range, pasture condition continued to deteriorate. Some relief Panhandle, Gulf Coast as scattered showers fell. Overall, pastures providing limited grazing, need moisture to maintain growth. Livestock

remain in good condition. Insect, disease losses minimal, build-up of horn-flies being seen.

**Crops:** Heavy showers Panhandle improved crop prospects. Hot, dry weather persisted Cross Timbers, South Texas; some peanut, cotton fields showing signs moisture stress. Haying operations continue, regrowth slow because dry weather. Soybean fields along coast set pods. Cotton harvest making good progress South Texas. Some fields South central Texas shedding bolls because hot, dry weather. Low Plans dryland fields moisture stress. Moderate to heavy wilting occurred with heavy aphid infestations. Statewide reported condition is 11% excellent; 66% good; and 23% fair. Sorghum harvest gaining, momentum progresses northward. Yields good to excellent, especially Blackland's. Reported condition Statewide is 20% excellent; 67% good; and 13% fair. Corn fields drying rapidly under hot, dry weather; harvest progressing rapidly from Central Texas southward. Scattered areas South central Texas, yields average because heavy rains during pollination. Statewide condition, 19% excellent; 70% good; and 11% fair. Peanut harvest underway South Texas; yields normal. Rice harvest active, although showers late week slowed harvesting operations. Cotton squaring 99%, 100% 1980. Cotton setting bolls 89%, 97% 1980. Cotton open bolls 11%, 17% 1980. Cotton harvested 4%, 10% 1980, 7% average. Rice turning color 95%, 100% 1980. Rice harvested 80%, 99% 1980, 84% average. Sorghum headed 89%, 90% 1980. Sorghum turning color 66%, 70% 1980. Sorghum mature 60%, 67% 1980. Sorghum harvested for grain 57%, 65% 1980, 55% average. Corn for grain harvested 22%, 37% 1980, 22% average. Peanuts harvested 5%, 1% 1980, 6% average.

**UTAH:** Recurring periods shower and thunderstorm activity principally southern and eastern sections. Considerable crop damage from local hail and flash flooding. Average temperatures ranged between 7° below normal and 7° above. Plant water requirements somewhat lower due to cloudiness and precipitation.

Major farm activities included irrigation, grain combining and hay harvest. Fall seeded grains mostly harvested. Yields variable. Spring planted grains two-thirds to three-fourths cut. Over 90% of corn in tassel. Third crop hay just starting. Irrigation water running short some areas. Harvest active for peaches, sweet corn, snap beans, and tomatoes.

**VIRGINIA:** Temperatures slightly above normal for the period but on 16th temperatures took a dip to more normal readings. Precipitation fell throughout the State with amounts generally less than 0.75 in.

A busy month for controlling weeds, insects and diseases. Showers improved prospects in most areas. Topsoil moisture rated 28% short, 64% adequate, 8% surplus. Days suitable for fieldwork: 4.8. Corn in good to excellent condition, 95% silked, 89% 1980; 74% dough, 52% 1980. Soybeans in good to excellent condition, pods setting and scouting for insects beginning. Peanuts in good to excellent condition, spraying for leafspot continues. Tobacco in excellent condition. Flue-cured harvest 34% complete, 16% 1980, 19% average. Fire-cured 22% harvested, 5% 1980, 9% average. Burley 10% cut, 3% 1980, 4% average. Blue mold outbreaks continue. Sun-cured harvest 6% complete, 2% 1980, 5% average. Fruit crop harvest continues to produce quality fruit; peach harvest beginning to decline. There was a lot of activity in pastures and hay fields; clipping and spraying weeds, liming, fertilizing and seeding.

**WASHINGTON:** West: Sunny, hot, and dry with a cooling trend on the coast late in the week. Temperatures averaged 8 to 12° above normal. Blueberry harvest winding down; raspberries were completed. Crops being harvested included vegetable seed, fresh market vegetables, winter wheat, and green peas. Warm weather crops have benefitted from percent warm weather. Hay cutting continued in most areas.

East: Sunny, hot, and mostly dry. Temperatures were about 10° above normal. Isolated thunderstorms dropped a few hundredths of an inch of rain over the Blue Mountains late in the week. Fruit harvested included peaches, plums, bartlett pears, and, early maturing apples. Potato harvesting spreading to northern districts. Other field crops harvested were dry bean, sweet corn, wheat, barley, dry beans, and mint. Second and third cutting alfalfa continued. Reports of good grape and hop development. Range and feed supplies adequate.

**WEST VIRGINIA:** Temperatures below normal. High 93°, low 46°. Precipitation below normal. Range none to 1.23 in.

Soil moisture adequate to short. Days suitable for fieldwork: 4.9. Main activities: hay harvesting, gardening, pasture clipping. Oats good to fair, 84% harvested, 88% of normal, 75% and 90% in 1980. Corn good to fair, 17% pre-silked, 60% silked, 23% dough stages: 17%, 55% and 28% in 1980. Tobacco fair to poor, 22% topped; 35% in 1980. Hay good to fair, 2nd cutting 34% complete, 76% of normal, 53% and 87% in 1980. Pasture good to fair. Potatoes fair to good 27% harvested, 79% of normal; 19% and 85% in 1980. Fruit poor to fair. Gardens fair to good.

**WISCONSIN:** Week began mild and dry, but turned warm and humid by midweek. A cold front worked its way southeast across the State 13th and 14th, accompanied by thunderstorms and local heavy downpours mainly in west central, central, and southern portions. Some heavier rainfalls dumped 2.00 to 3.00 in. rains in south central and south western areas. Cool and dry conditions prevailed over most of these sections into the weekend. However post frontal thunderstorms dropped 1.00 in. rains in southeast late 15th. Daytime highs pushed into low 90's in west central during midweek. Early morning low temperatures reached the low 40's in much of the north earlier and during the week.

Fieldwork: 5 days suitable. Weather still hampering oats harvest and haying. Oat harvest 60% complete, last year 55%, 53% average. Second crop hay 69% harvested, compared to 79% for 1980, 65% average. Corn looking very good, 89% silked, 99% for 1980, 90% average; 37% in dough stage, 50% in 1980, 34% average. Topsoil moisture supplies at 15% short, 80% adequate, and 5% surplus.

(Continued on page 10.)

### National Weather Summary

(Continued from page 1.)

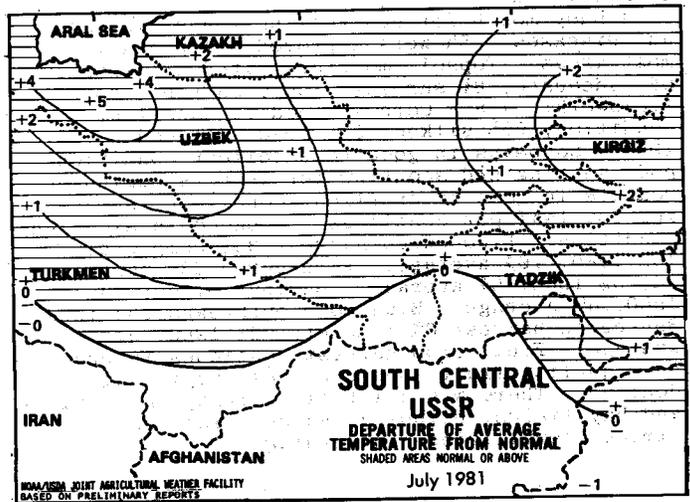
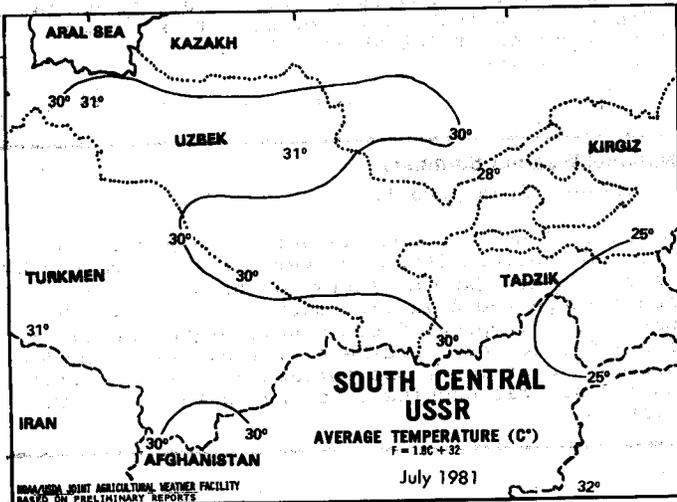
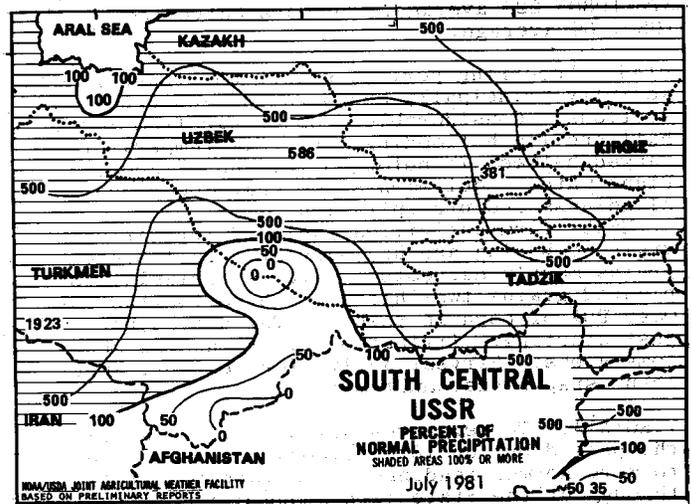
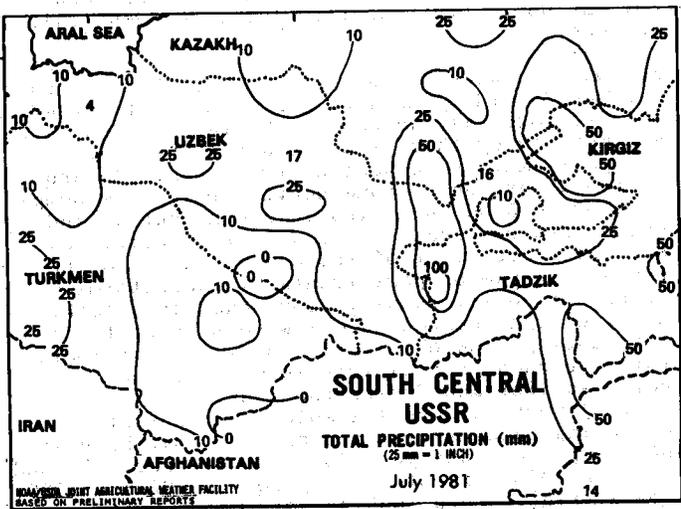
**SUNDAY...**Thunderstorms triggered heavy rain in parts of western Texas but were less severe northward to South Dakota, eastward through Georgia and through the Atlantic Coast States to North Carolina. Tropical Storm Dennis began spreading its influence over southern Florida, with thunderstorms and at least one tornado as the day ended. Cooler air was pushing into the South and Southeast.

### International Weather and Crop Summary

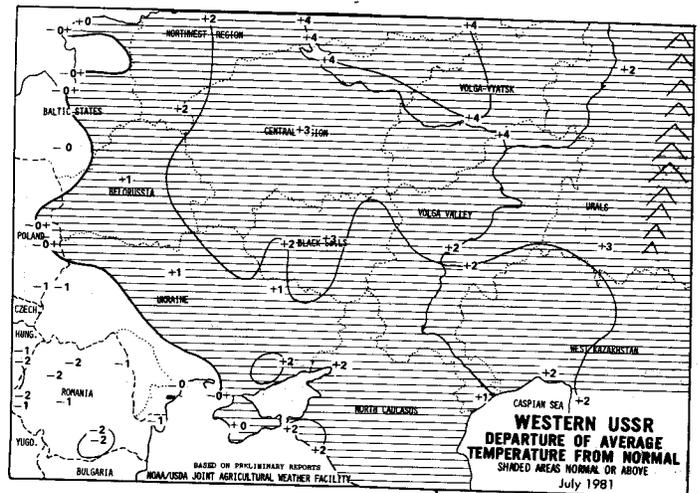
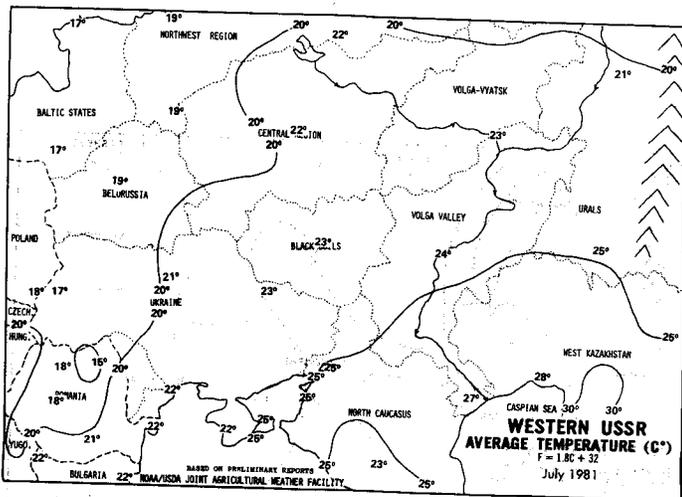
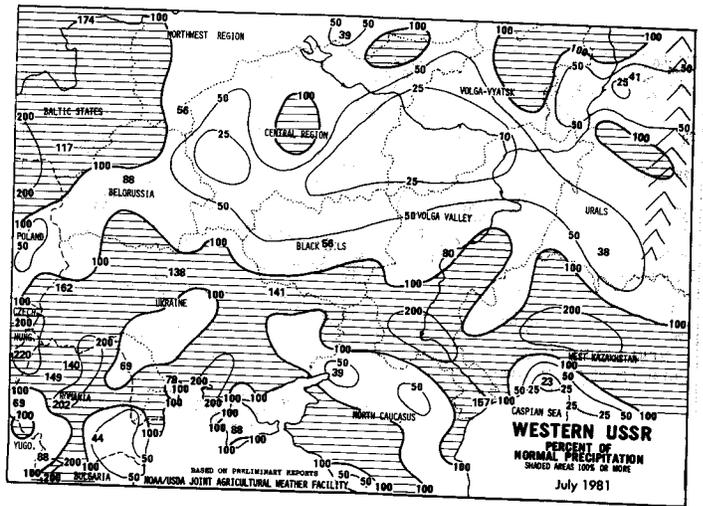
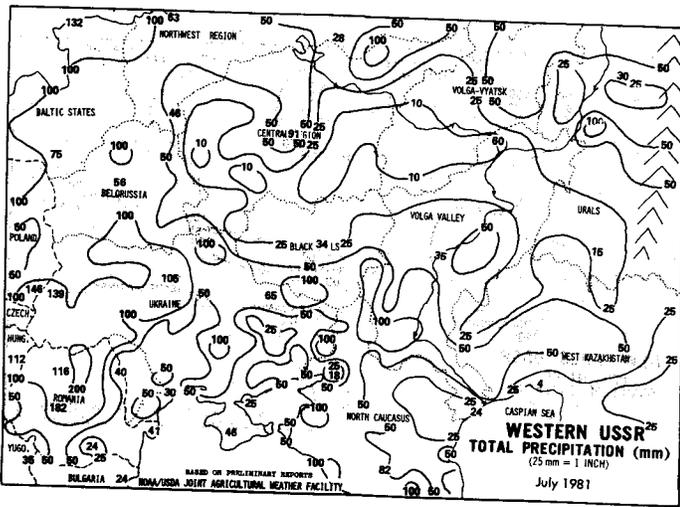
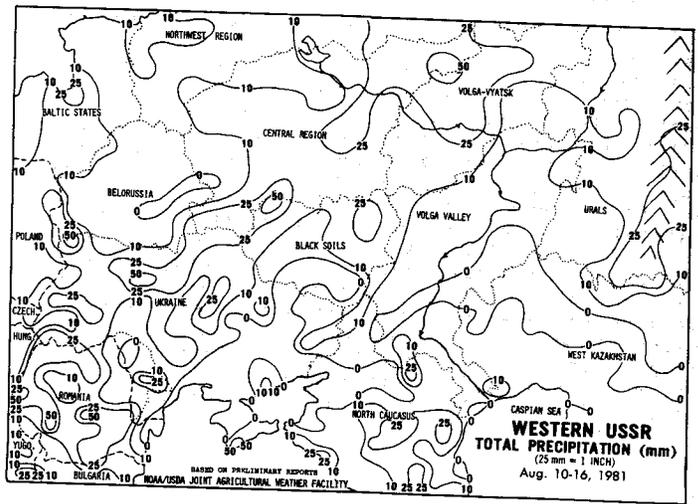
HIGHLIGHTS

August 10-15, 1981

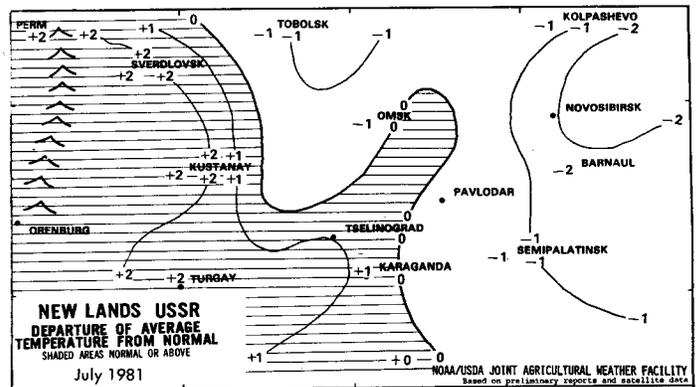
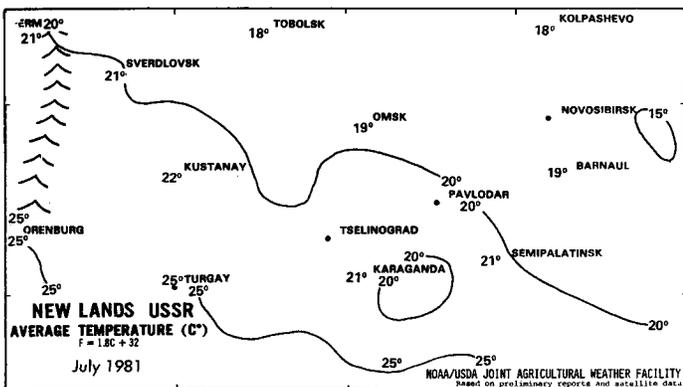
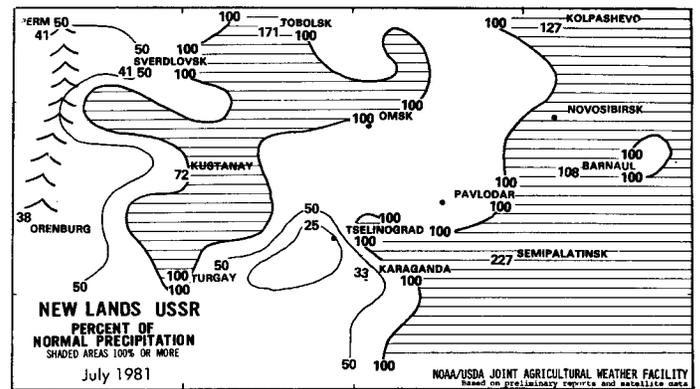
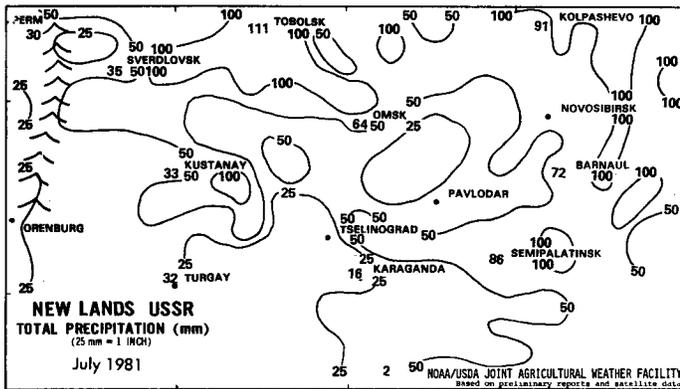
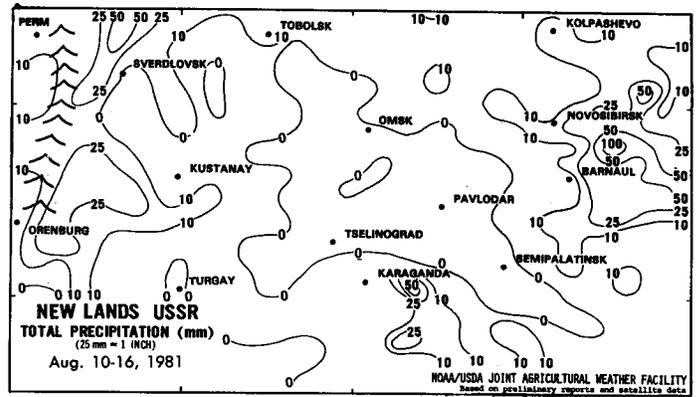
- EUROPE:** Still too wet for harvesting in some northcentral areas, beneficial rains in the southeast.
- USSR:** Hot and dry weather early in the week in the North Caucasus and eastern Ukraine may have hurt corn again. Harvest weather mixed, but not excessively wet.
- EASTERN ASIA:** Beneficial rains over much of the North China Plain and Yangtze Valley. Conditions too wet to the west and in the northern Manchurian Valley.
- SOUTH ASIA:** Beneficial rains again across central India, with only some localized flooding.
- SOUTH AMERICA:** Dry, mild weather; coffee and wheat areas need rain.
- SOUTHEAST ASIA:** Monsoon showers benefited crops and reservoirs.
- AUSTRALIA:** Showers in west and south, dry in east. Crops in good condition.
- CANADA:** Dry weather in Prairies; Cereals and oilseeds ripening.
- MEXICO:** Rain in most areas except northeastern citrus areas.



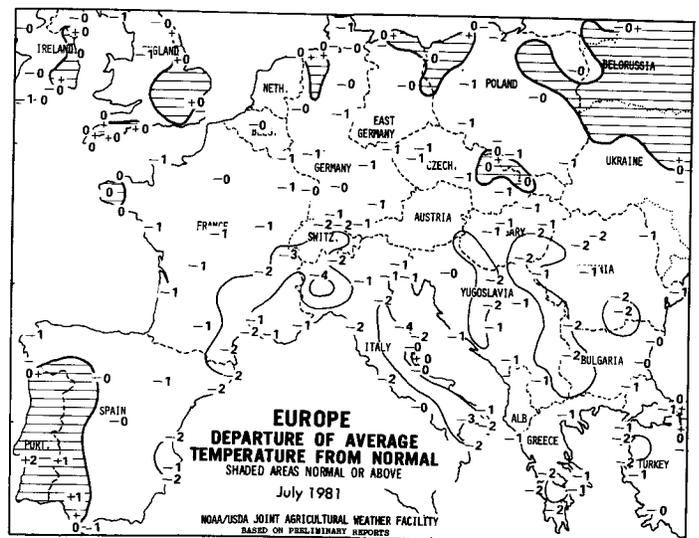
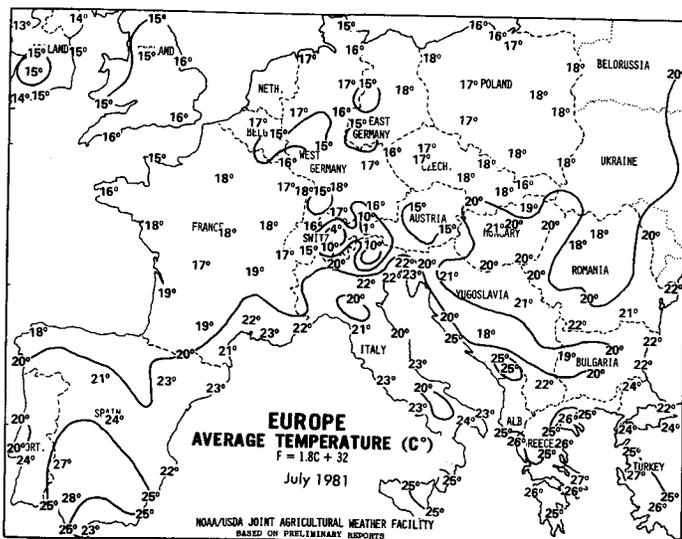
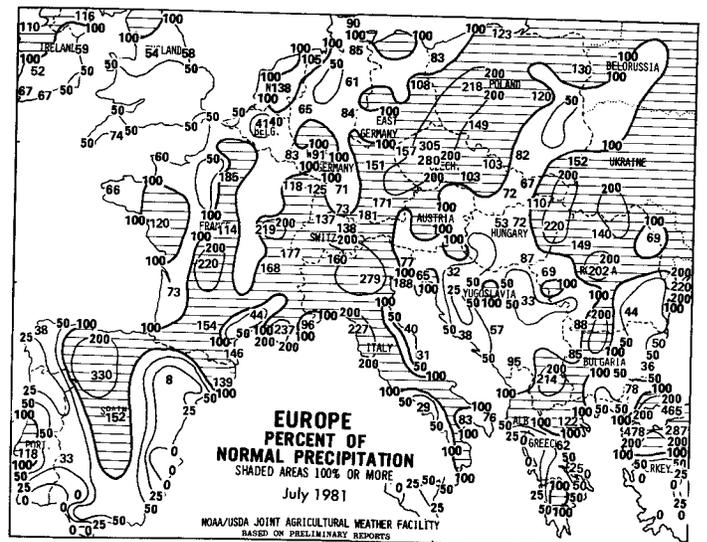
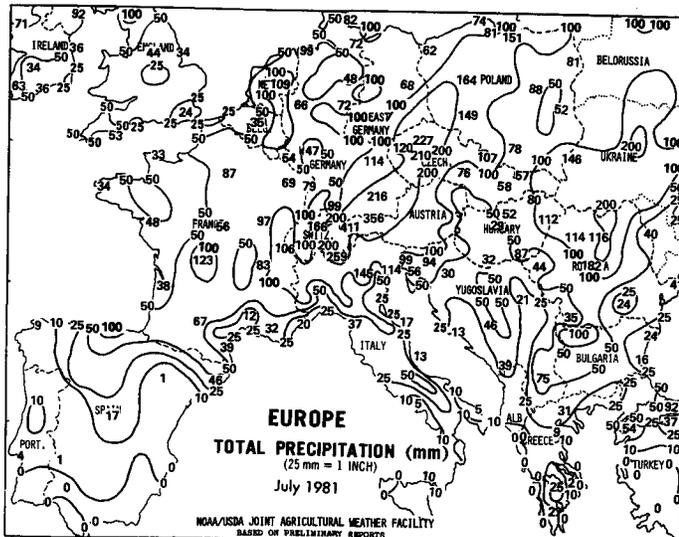
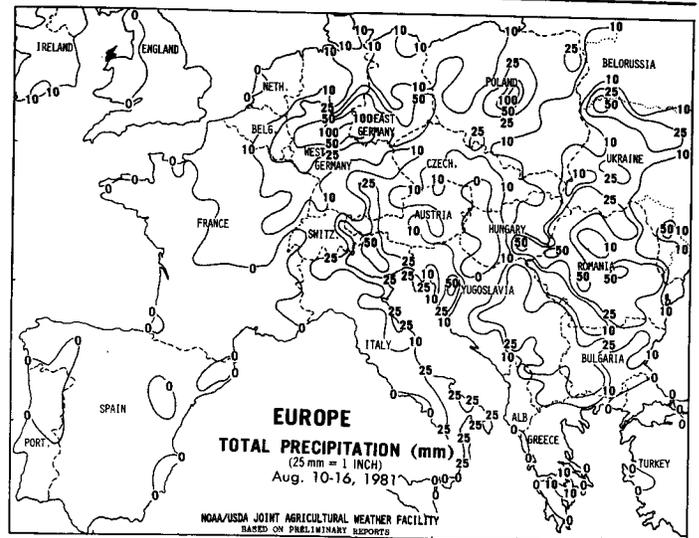
W. USSR: Hot and dry weather prevailed early in the week in the eastern Ukraine and North Caucasus. Corn in the late filling stage may have been adversely affected. Temperatures in this area for most of July were little above normal, but hot and dry weather late in the month seriously affected corn in the flowering stage. July weather was particularly unfavorable for crops in northeastern European USSR. Rainfall had been deficient since early May, and spring wheat and barley headed under low soil moisture conditions. In addition, the hot weather in late July likely hurt the filling of these grains. Harvest weather during the week remained good in southeastern European crop areas; however, showers in the west and northcentral areas interfered some. The moisture was beneficial for sowing of winter grains in the north.



NEW LANDS: Mostly dry weather during the week favored spring grain harvesting; however, weather was wet in the southern Urals and extreme eastern New Lands. Near-normal July rainfall over the western New Lands maintained good yield prospects. Drier July weather in southcentral areas may have hurt potential yields slightly, but soil moisture supplies were good at the beginning of the month, and no extreme heat occurred. Above-normal July rainfall in the east came mostly after mid-month. Most of the spring grains should have flowered by then, and potential yields had already declined substantially. Central portions of the New Lands between Pavlodar and Omsk did not receive adequate rainfall at any time during the growing season; crop prospects there remain poor. Cotton areas to the south had mostly wetter and warmer-than-normal weather during July, maintaining favorable growing conditions.

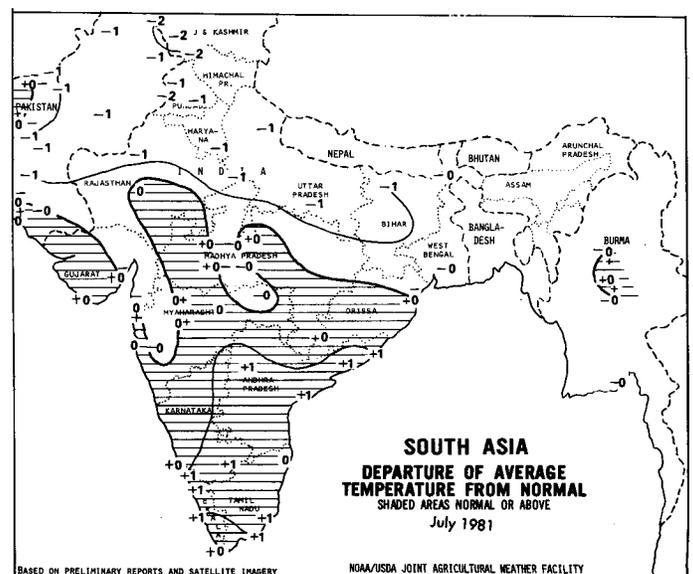
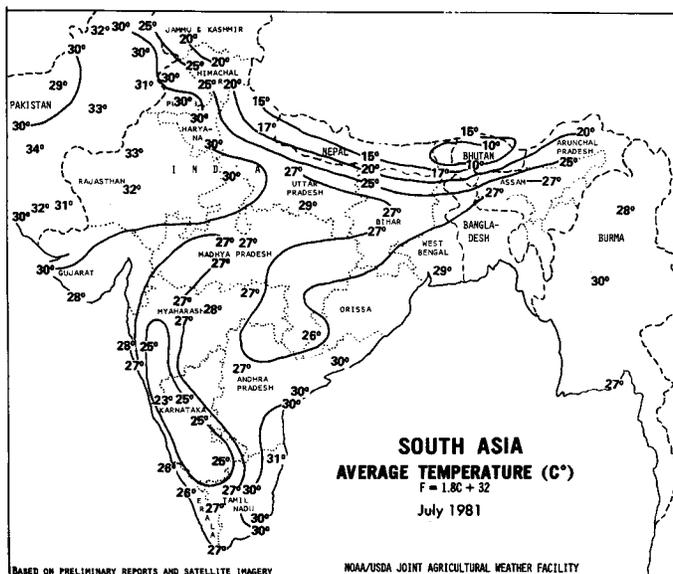
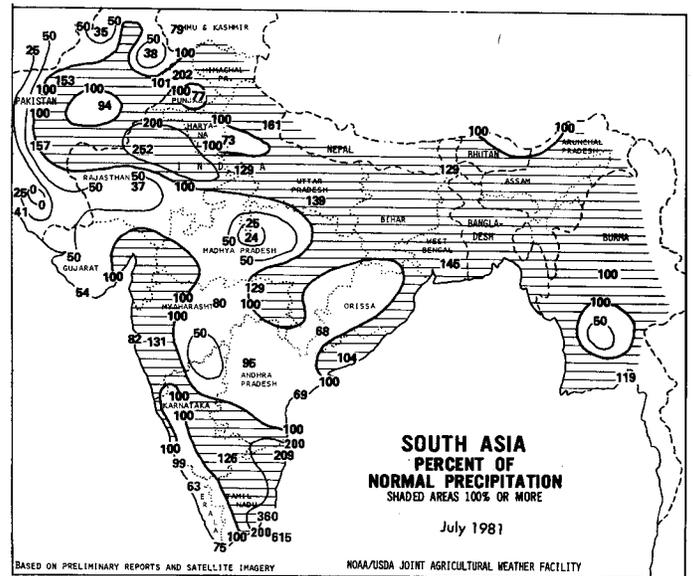
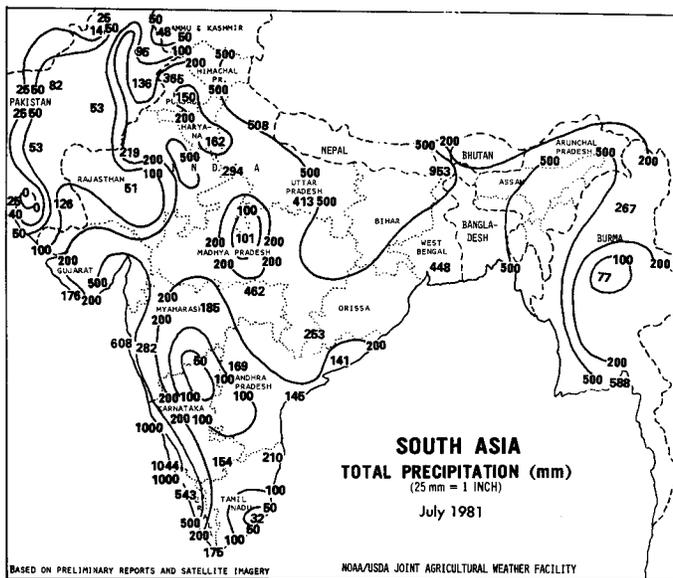
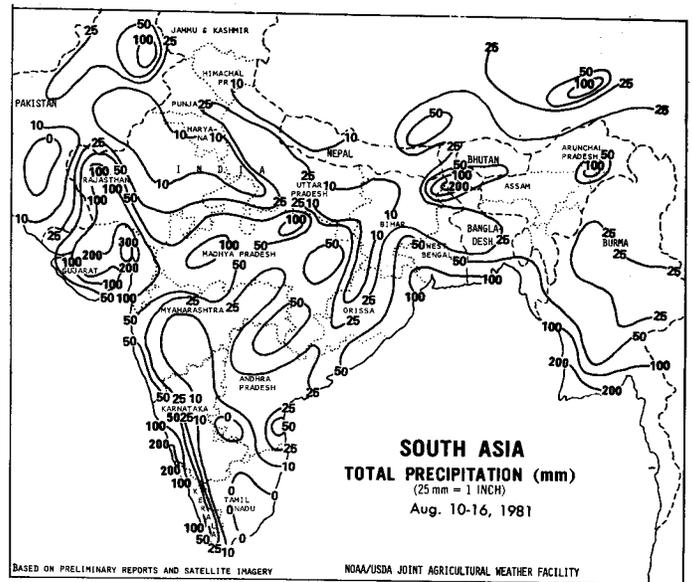


EUROPE: Wet weather in parts of East and West Germany continued to interfere with grain harvesting. Dry weather persisted just to the southeast, where excessive rainfall in mid-July caused flooding in Austria, southeastern East and West Germany, western Czechoslovakia, and southwestern Poland. Nevertheless, for the most part, harvest weather has been better this year than last. Increased rainfall this week in major crop areas of Yugoslavia, Romania, and Bulgaria may have benefited the late filling of corn. However, dry weather during July in portions of these countries had reduced potential yields somewhat. Mostly dry weather in the northwest allowed uninterrupted harvesting. July weather favored crops in France and the low countries, but below normal rainfall in England hurt yields of both winter and spring grains. Mediterranean areas had mostly light to moderate rainfall during July, making much of the area wetter than normal. July temperatures stayed near normal over most of Europe; only central and eastern Mediterranean areas had substantially cooler than normal weather.

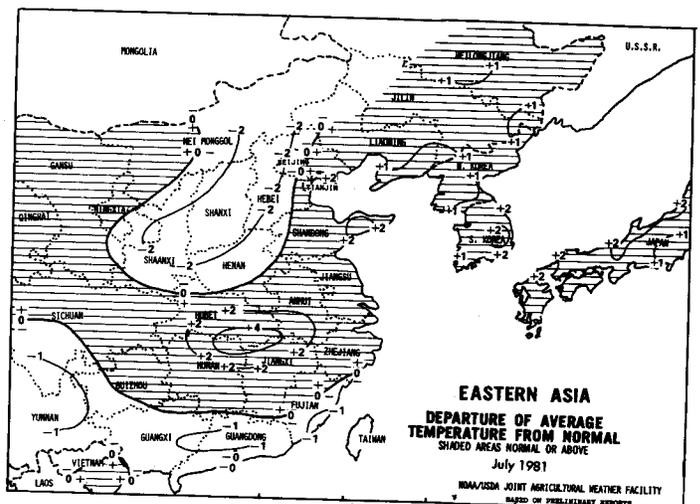
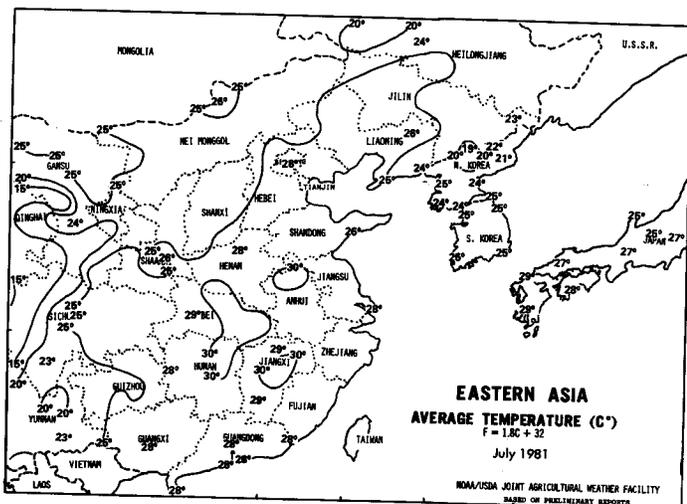
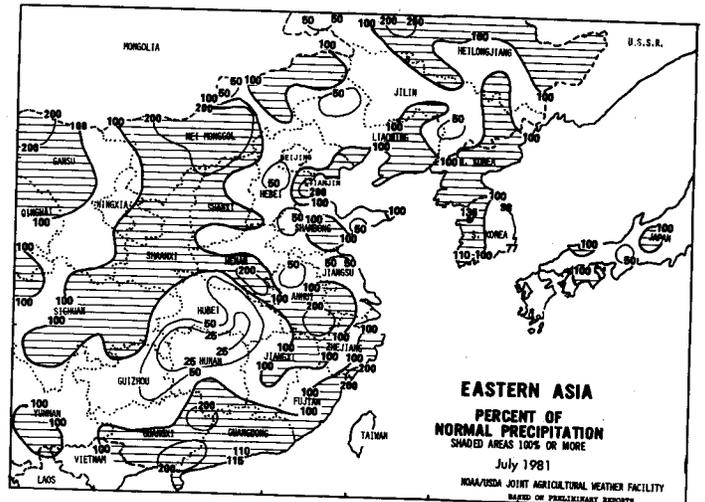
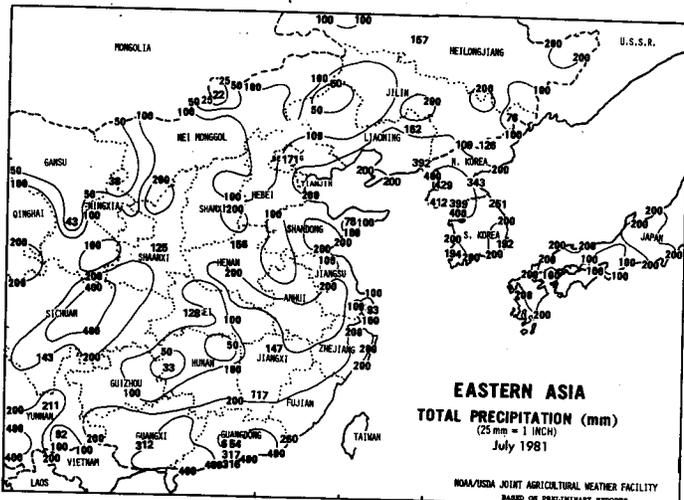
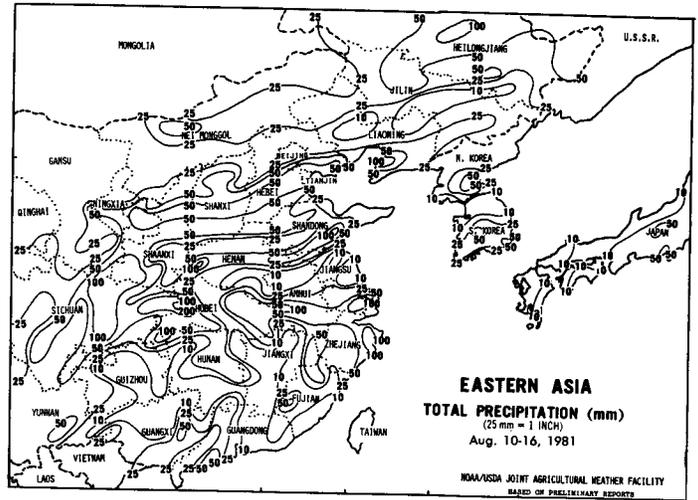


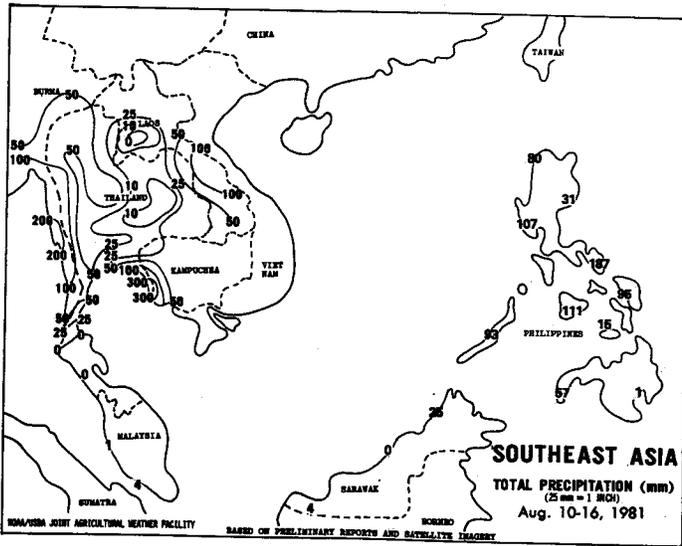


**SOUTH ASIA:** Central portions of India received beneficial rainfall again. Heavy totals in Gujarat resulted from two storms separated by 5 days of drier weather. Only a localized area near Ahmadabad had some flooding from heavy rains over the weekend. The western portion of Gujarat had become somewhat dry during July, so the rains were welcome. Variable rainfall in northern India kept soils adequately moist; some northeastern locations received excessive rains again. July rainfall was generally above normal across the north. Parts of southern India had drier weather during the week; crops should have adequate moisture from above-normal rainfall during July. Both Bangladesh and northern Pakistan benefited from continued rainfall during the week. In spite of some dry pockets in Pakistan during July, crops in most northern areas received adequate rainfall.

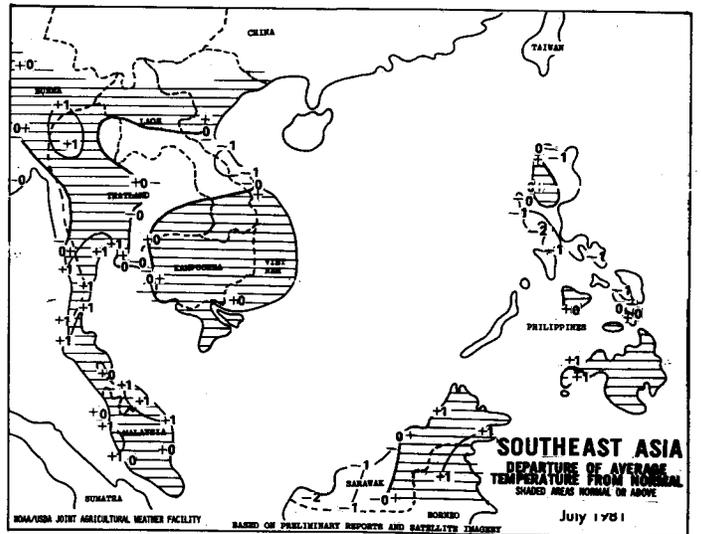
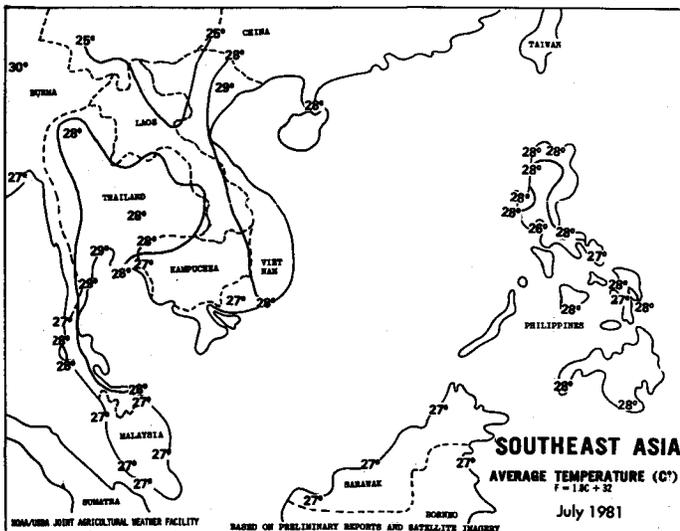
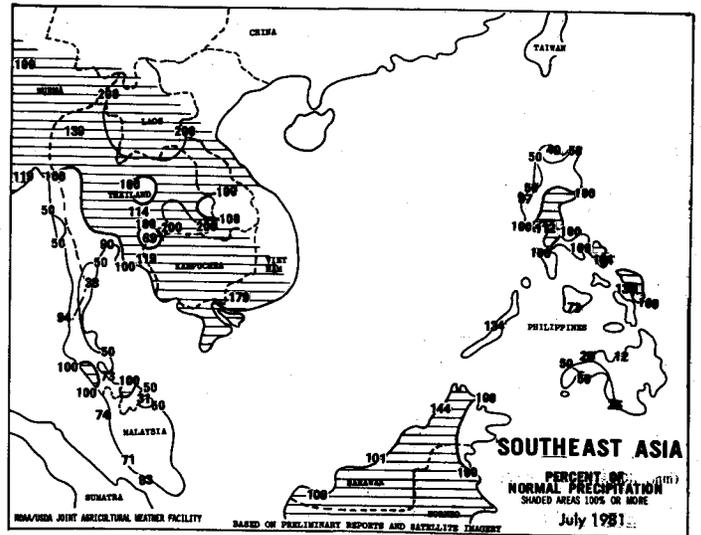
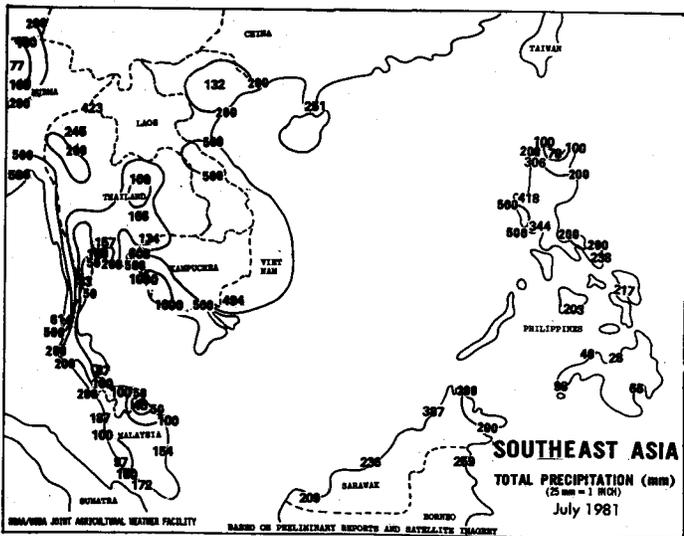


**EASTERN ASIA:** The general rainfall pattern over China remained similar to the previous week's, but amounts increased in many areas. Some dry pockets had developed during July, the largest centered over Hunan and Hubei. Recent rains improved growing conditions, particularly in Hebei. High rainfall in the hills to the west (including northern Sichuan) may have caused some flooding, but the benefits of the moisture should have outweighed the detriments, overall. Abundant rainfall in northern parts of the Manchurian Valley kept conditions somewhat too wet. In South Korea, beneficial rains continued in the southern half of the country. All crop areas received adequate rainfall so far in August as a followup to near-normal July rainfall in most parts. Temperatures stayed above normal in July, and skies were sunnier than normal.

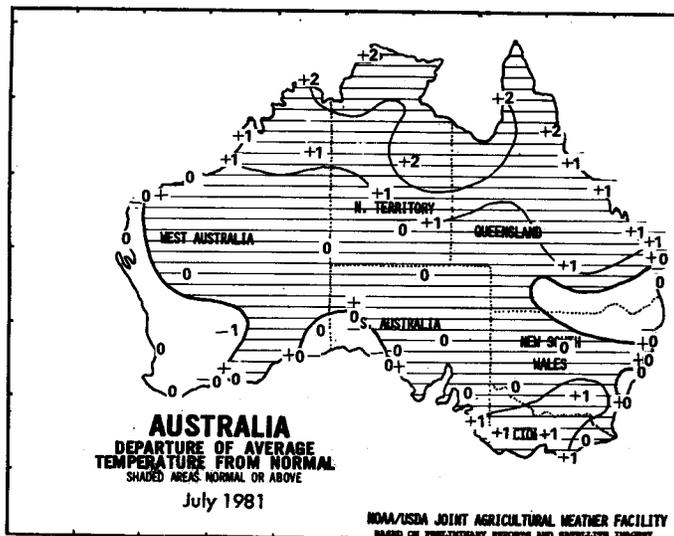
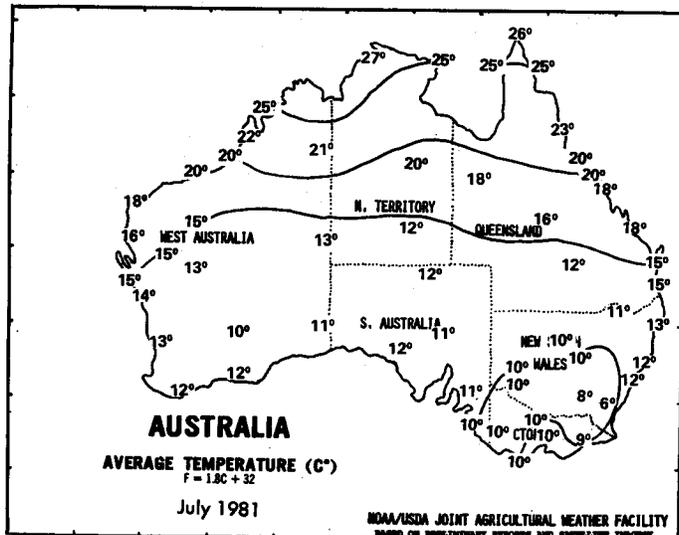
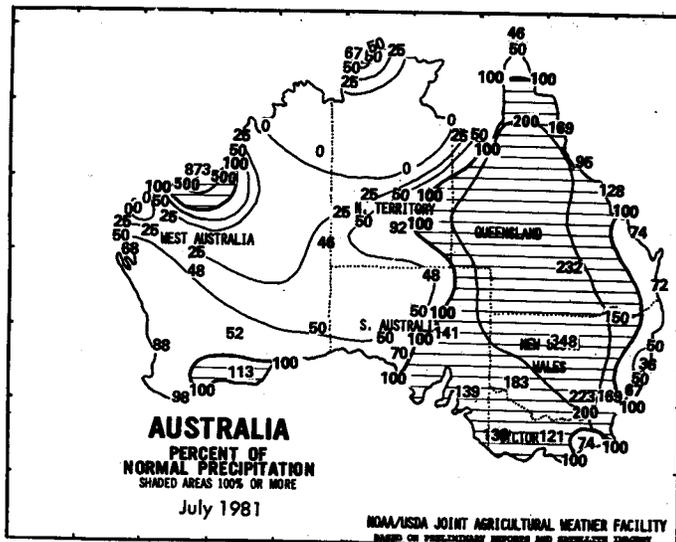
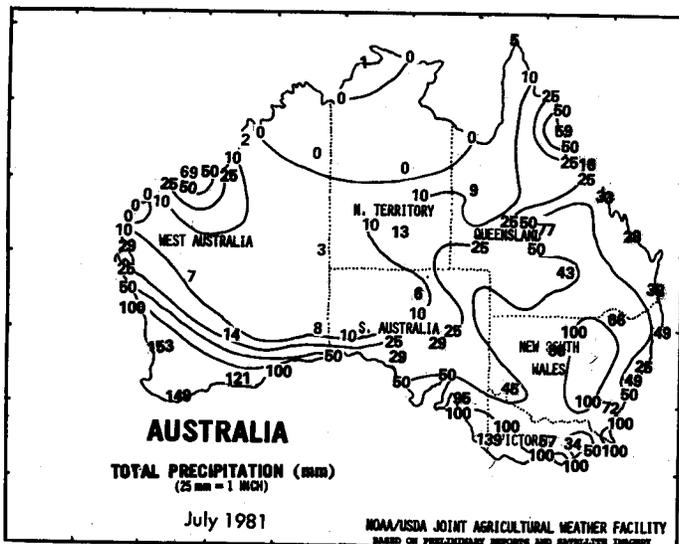
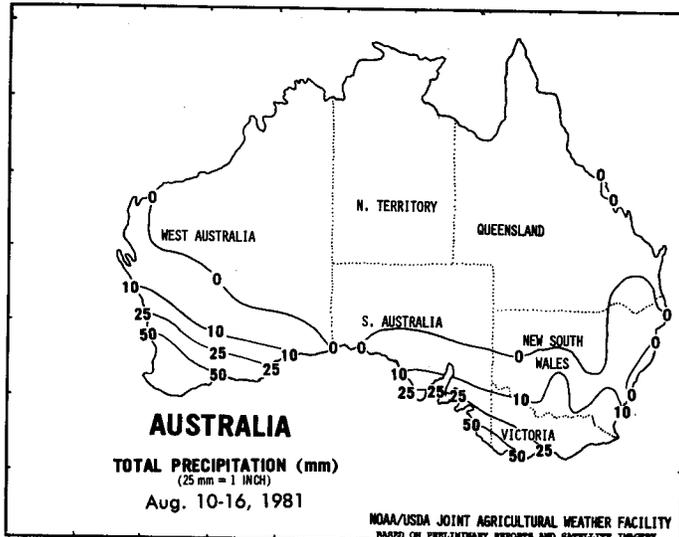




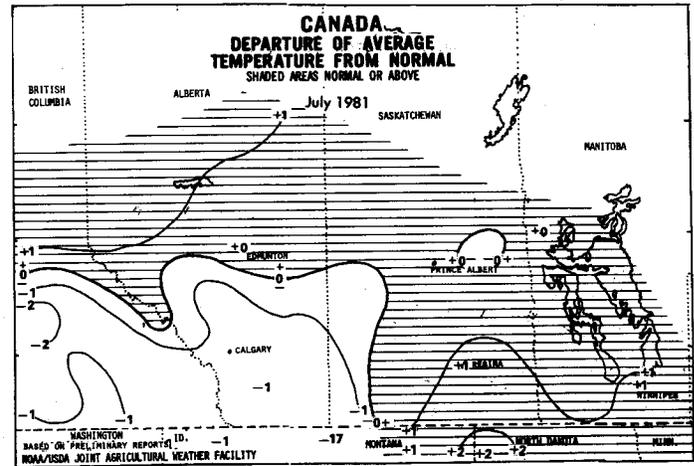
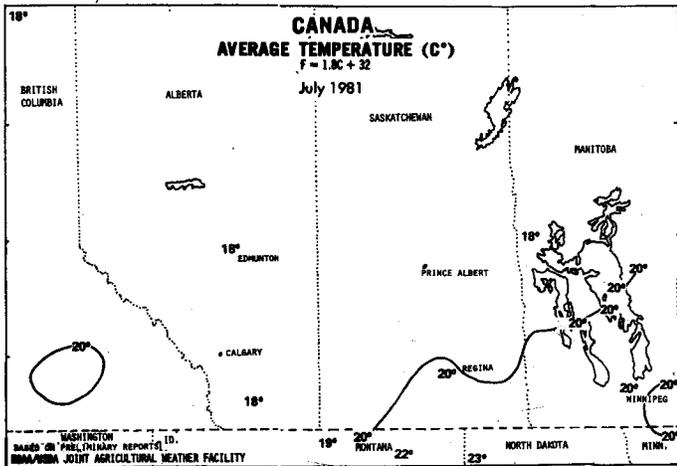
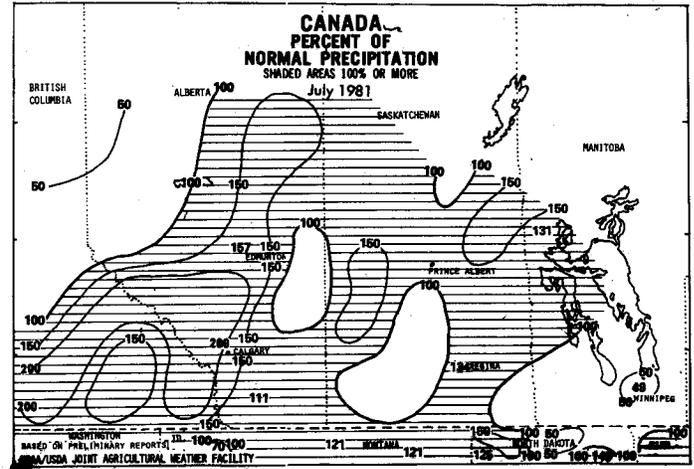
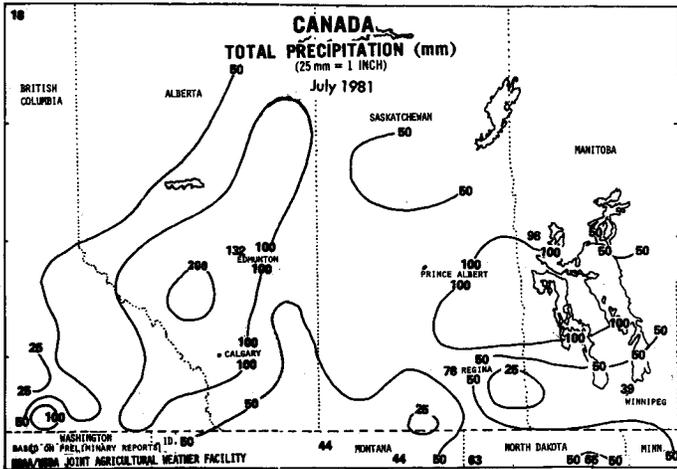
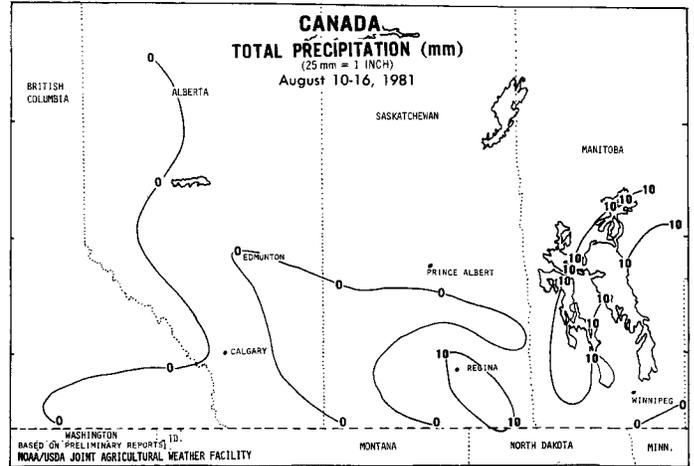
**SOUTHEAST ASIA:** Showery weather brought substantial Thailand rainfall to extreme western and northern Thailand during the week. Much of the Central Plains also benefited from monsoon shower activity but a large portion of eastern Thailand received relatively light rainfall. Frequent rains brought July's totals near or above the seasonal average in Thailand, except for extreme western portions which received less than normal amounts. Moisture supplies should be adequate for the wet season rice crop. Planting of this crop is usually completed in August. Based on limited data, heavy rains in Laos brought monthly totals much above normal in July.



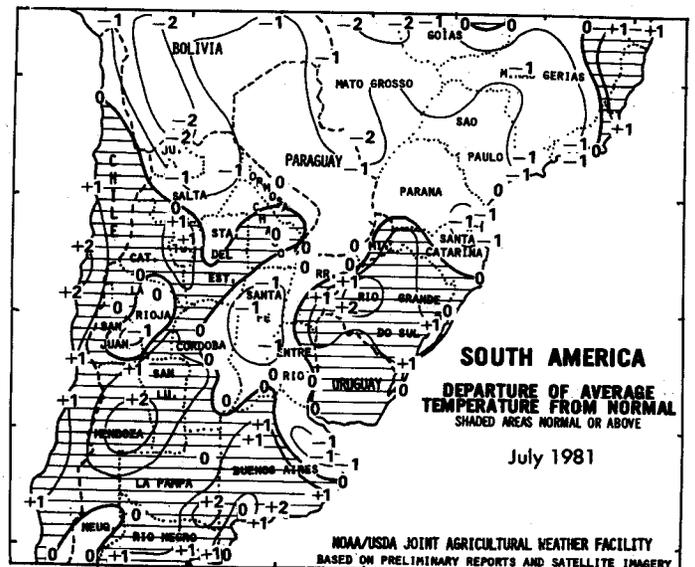
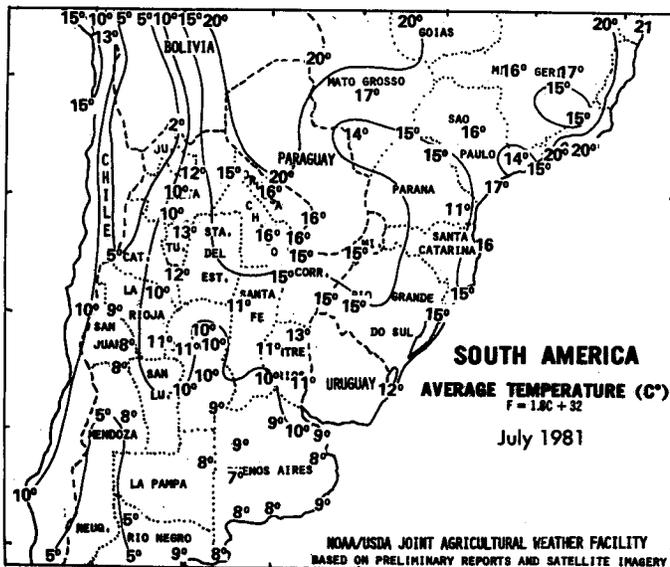
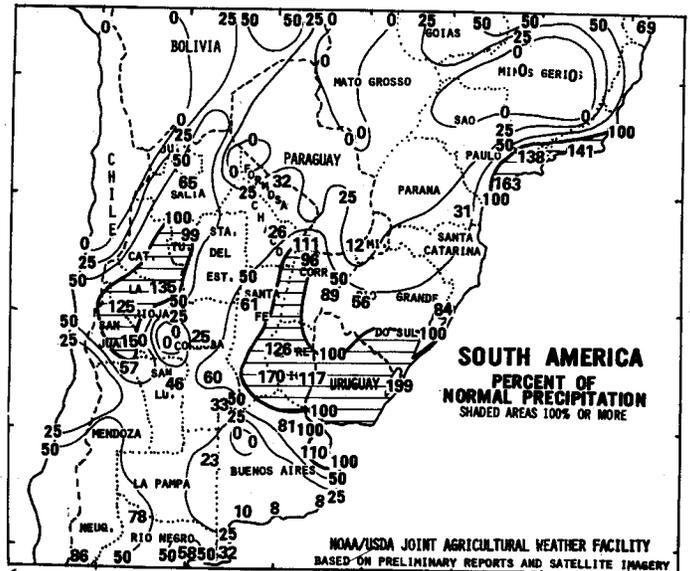
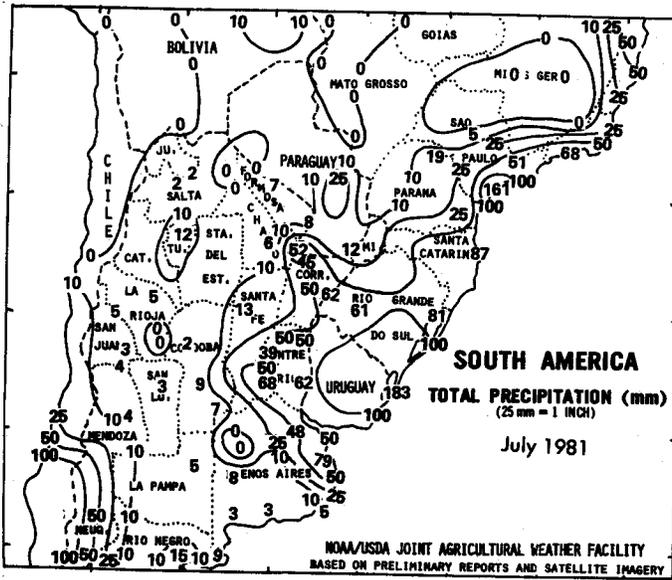
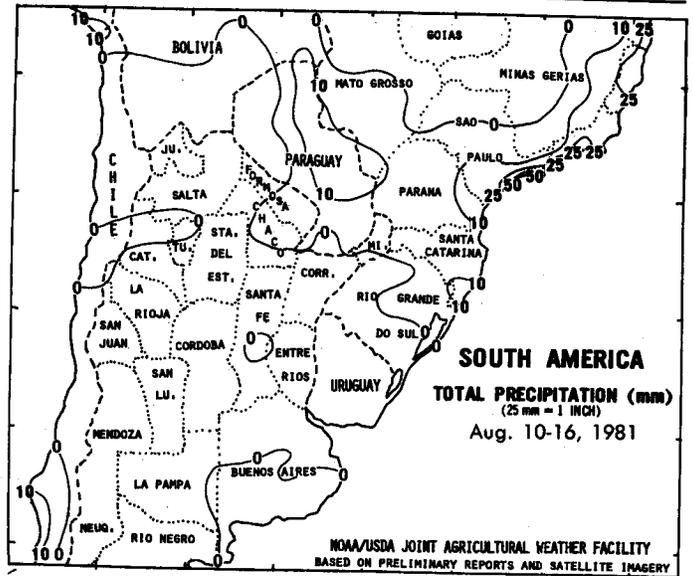
**AUSTRALIA:** Showers continued to provide beneficial moisture to crop areas of West and South Australia and Victoria. Weekly rainfall was minimal in other crop areas. July rainfall was above average for the third consecutive month in the eastern wheat belt. Soil moisture has been replenished and conditions were favorable for sowing, germination, and early crop development during the slow-growth period of the winter months. Abundant rains were responsible for some planting delays and isolated reports of seed rot and nutrient leaching; however, overall crop conditions remain good to excellent in all wheat-growing States.



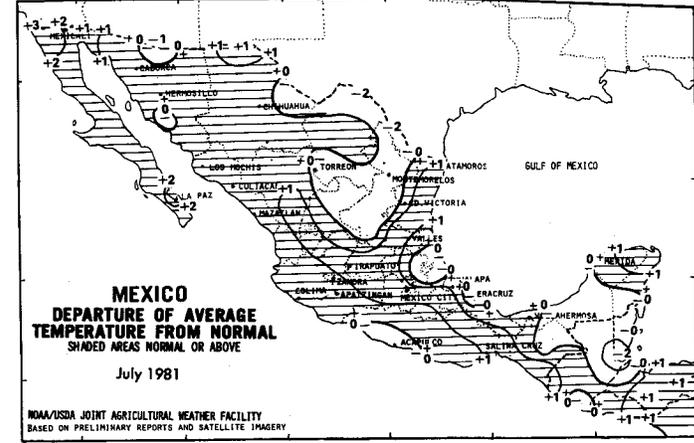
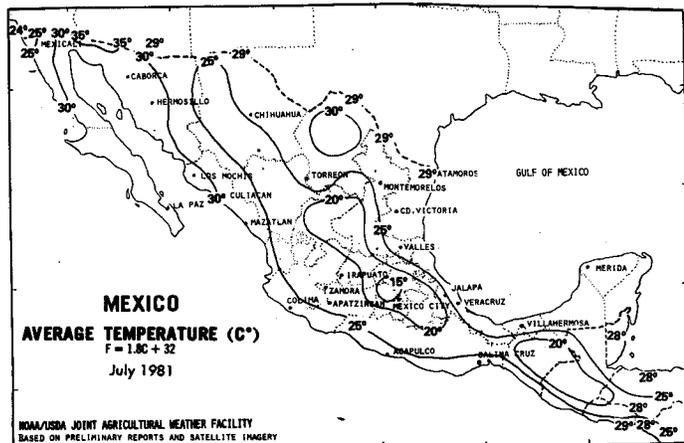
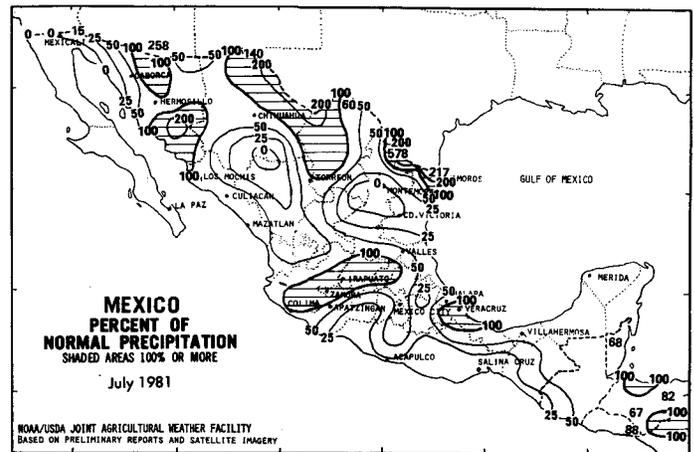
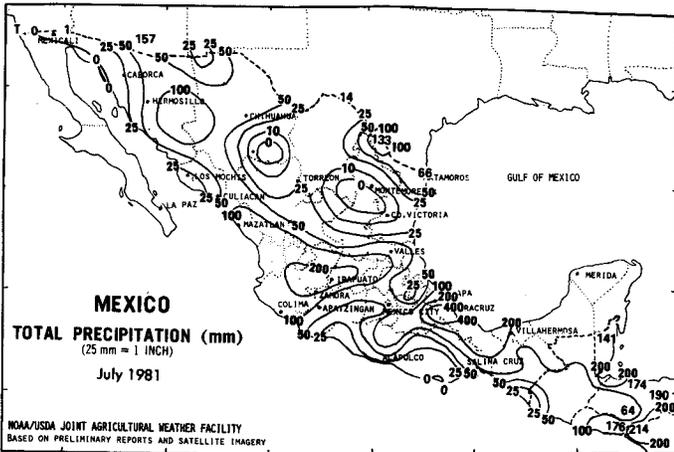
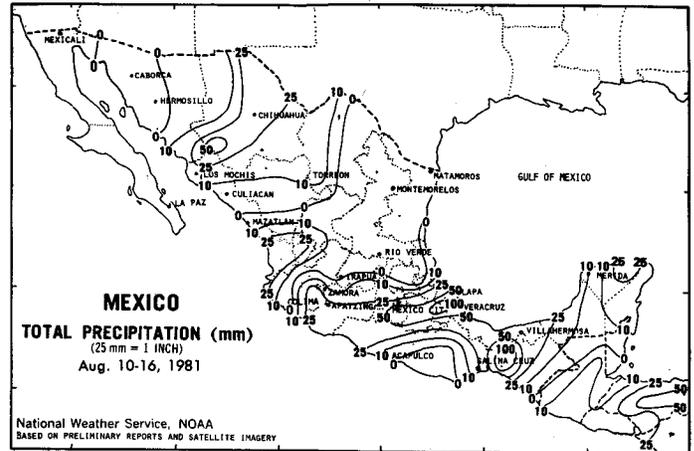
CANADA: Mostly dry weather prevailed in the Prairie Provinces except for some shower activity in southeastern Saskatchewan. Dry, mild weather is ideal for crops in the maturing stage, and with mostly favorable growing weather in July, cereals and oilseeds have progressed through the filling stage in good condition. For July, unfavorable weather conditions were found only in crop areas of northwestern Alberta, southeastern Saskatchewan, and southwestern Manitoba where the combination of below-average monthly rainfall and above-average temperatures may have caused some local crop stress during heading and early filling periods. Except for isolated severe weather events which are not unusual during the summer months, overall yield prospects are good.



**SOUTH AMERICA:** Little or no rain fell in the wheat or coffee growing areas while temperatures remained above freezing in all but extreme southern wheat areas of Argentina. The dry weather in Brazil's coffee area during July and August aggravated already adverse growing conditions brought on by the mid-July frost. Monthly rainfall totals for July were below average in all wheat areas except in the vicinity of Uruguay which benefited from seasonal to above-average amounts. Rainfall will be needed within the next few weeks to meet the wheat crop's moisture needs as temperatures begin to rise during the spring. The crop season is most advanced in northern portions of Brazil's wheat area.



MEXICO: Northeast citrus areas continued dry, a persistent pattern since early July that will likely reduce fruit size in non-irrigated orchards. Seasonably hot but wetter weather occurred over northcentral cotton areas. The increased precipitation briefly interrupted harvest but probably had no adverse affect on quality. Southern plateau corn benefited from modest rains late in the week. Most southern plateau corn received above-normal rainfall in early July. Consequently, adequate soil moisture along with near-normal temperatures helped maintain near-normal development of corn through its reproductive stage. Beneficial rains fell over the corn areas in the Yucatan peninsula which had received below-normal rainfall in July. Above-normal rainfall continued in the sugarcane fields around Veracruz.





# FIRST CLASS MAIL

## MEDFLY SITUATION UPDATE

New finds last week in northern Santa Cruz County, the Livermore area of Alameda County, and the latest find in Stanislaus County, within the San Joaquin Valley, have heightened fears about the spread of infestation.

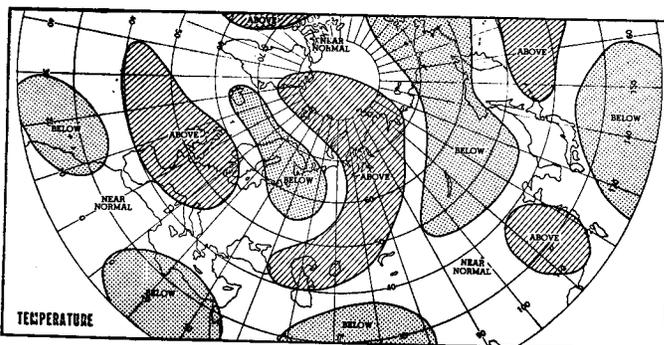
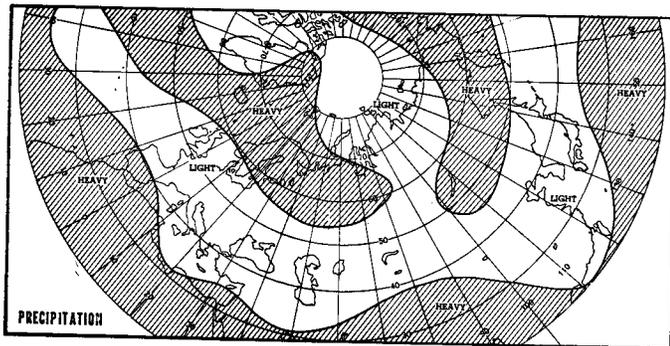
A quarantine was declared for 264 square miles around the orchard west of Modesto in Stanislaus County where 63 Medflies and 16 larvae were found. Aerial spraying of Malathion began over an 81 square mile area immediately. This is the first find of fertile flies in the San Joaquin Valley.

Spraying has also begun in the Livermore area and is scheduled to begin today in the area of the Santa Cruz find. The quarantine area has been extended into Santa Cruz County.

Additional roadside inspection stations have been established to further discourage transport of fruit from the quarantine areas. The possibility of further carryout from Livermore to the San Joaquin Valley, only 14 miles away, is of particular concern. Fruit continues to be confiscated at the roadblocks. Of 52,273 vehicles stopped in a 24 hour period Tuesday, fruit was found in 475 of the vehicles and 4 citations were issued.

Shipments remain heavy in peaches, plums, pears, nectarines, tomatoes and peppers. Fumigation with methyl bromide in the quarantine area this week was applied to tomatoes, peppers, peaches, apples and plums. In one 24 hour period, inspections were carried out for 112 roadside stands, 91 growers, 18 packers, 11 wholesalers, 51 nurseries, 7 landfills and 5 bus depots. Inspections also continue in airports and train stations.

## **EURASIA OUTLOOK FOR MID-AUGUST TO MID-SEPTEMBER**



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