

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

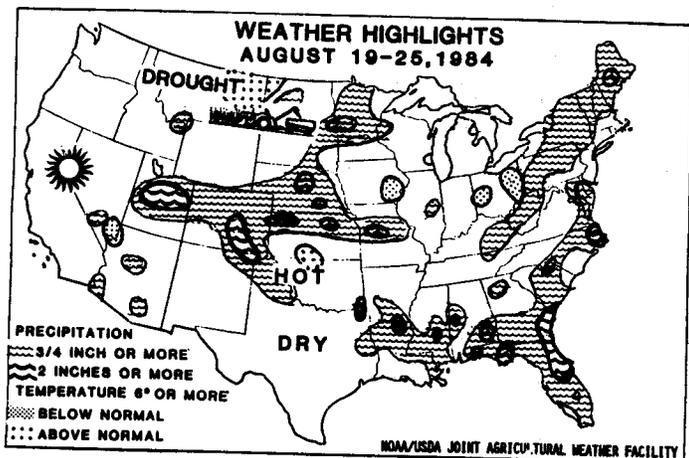
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Aug. 28, 1984

National Weather Summary

August 19 to 25



moderate amounts of rain fell in eastern Kansas, central Missouri, and eastern Colorado. Light showers continued in the Southwest, moderate showers fell along the Southeast coast.

WEDNESDAY...A broad band of showers moved through the Northeast, and southward to the lower Mississippi Valley. Scattered showers and thunderstorms developed in the afternoon from Arkansas through the Texas Panhandle, and showers continued in the Southwest and the Plateau.

THURSDAY...The band of showers moved eastward and covered most of the east coast and the eastern gulf coast. Showers were widespread from Arizona, New Mexico, and the Texas Panhandle through the Rockies, and showers developed in South Dakota. It was still quite warm in the southern Plains as afternoon temperatures moderated slightly. High temperatures rose to the high nineties in parts of Montana.

FRIDAY...A few showers lingered along the east coast, and another band of showers and thunderstorms moved through the northern Plains, to a line from Minnesota to the central Rockies, and northwestern Texas, and Oklahoma. Showers were still scattered from Arizona and New Mexico to Montana.

SATURDAY...The band of showers tended to break up as it moved into the Midwest. Only widely scattered showers fell from the western Great Lakes to western Texas. Showers and thunderstorms were more frequent in the Southwest, the Plateau, and the central and southern Rockies. Showers and thunderstorms developed over the Southeast, and all along the gulf coast.

HIGHLIGHTS: Moderate, occasionally heavy, showers fell from Minnesota to central Nebraska and northern Kansas. The showers extended from northern Kansas to central Missouri and eastern Colorado. Little or no rain fell over the rest of the Corn Belt. Showers were scattered throughout the eastern United States, but were heaviest through the Appalachians and along the east coast. Thunderstorms over the Plateau and Rockies produced some heavy showers that caused local flooding. Temperatures were much cooler than normal over the Corn Belt, but were 3-6 degrees warmer than normal from central Texas through the High Plains, to Montana and North Dakota.

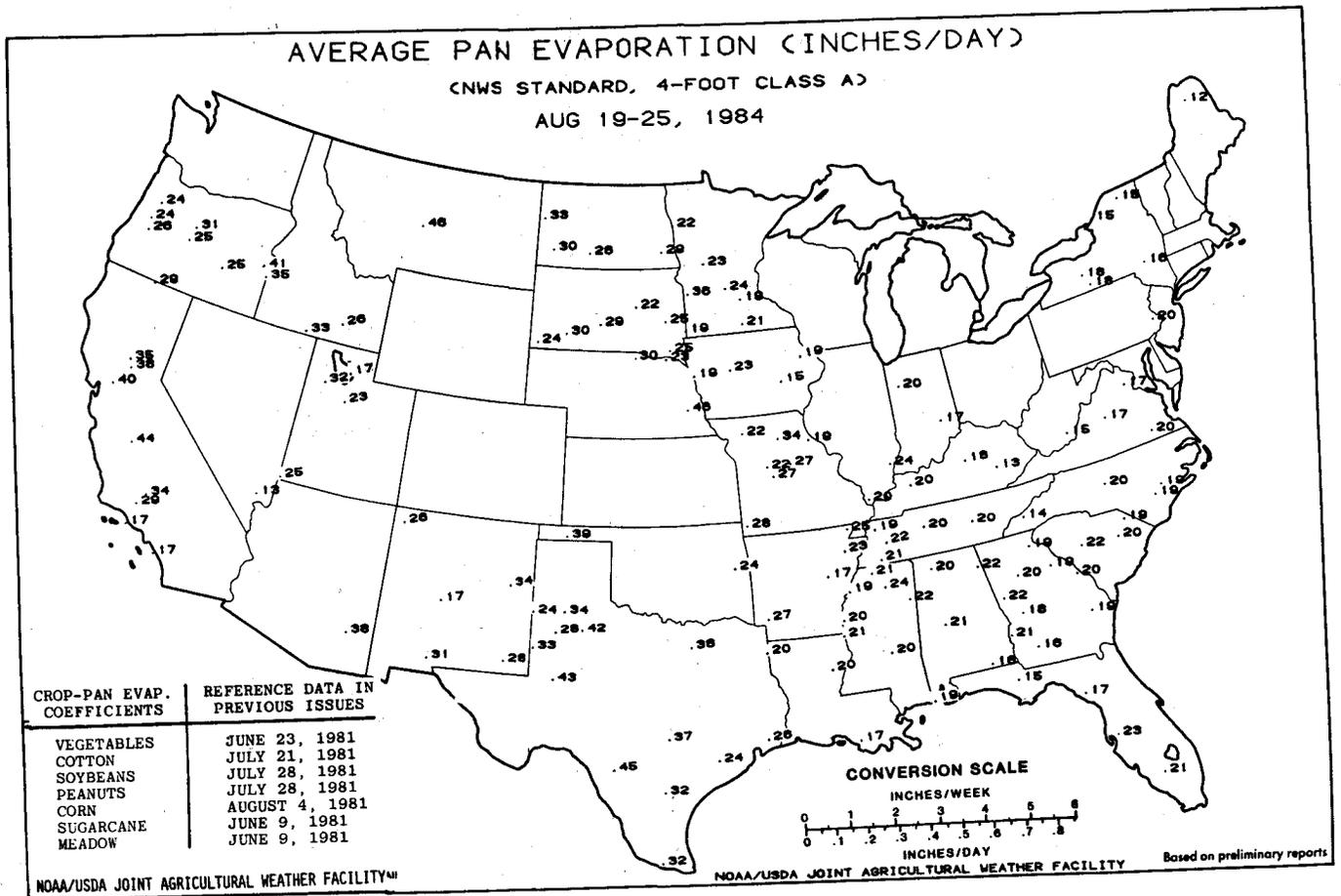
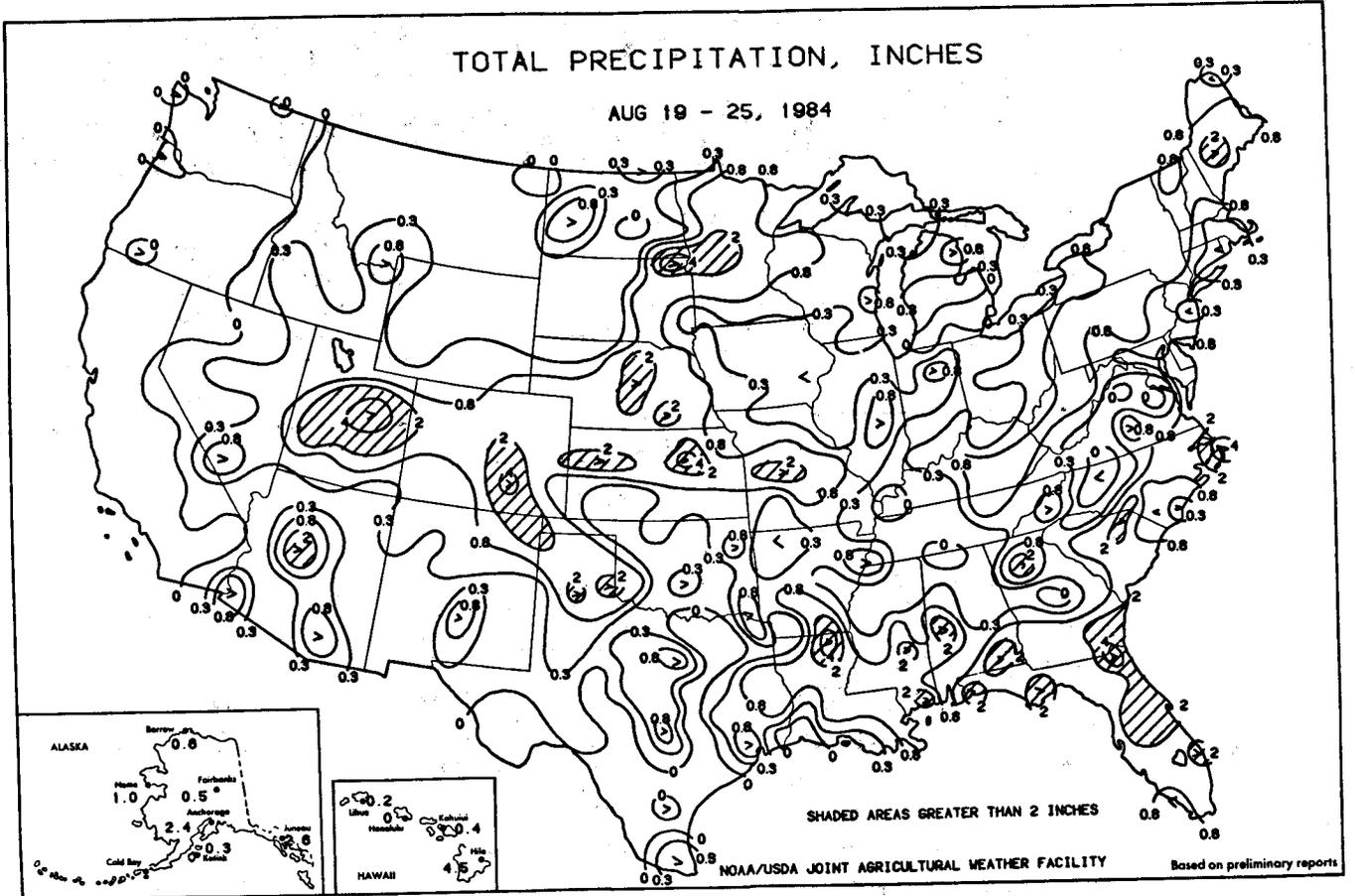
SUNDAY...Light showers fell through the East Coast States, the Mississippi Delta, and through the Plateau and Rockies, to the northern Plains. The weather was mild and dry in the Corn Belt, but afternoon temperatures rose to above 100 degrees in the southern Plains.

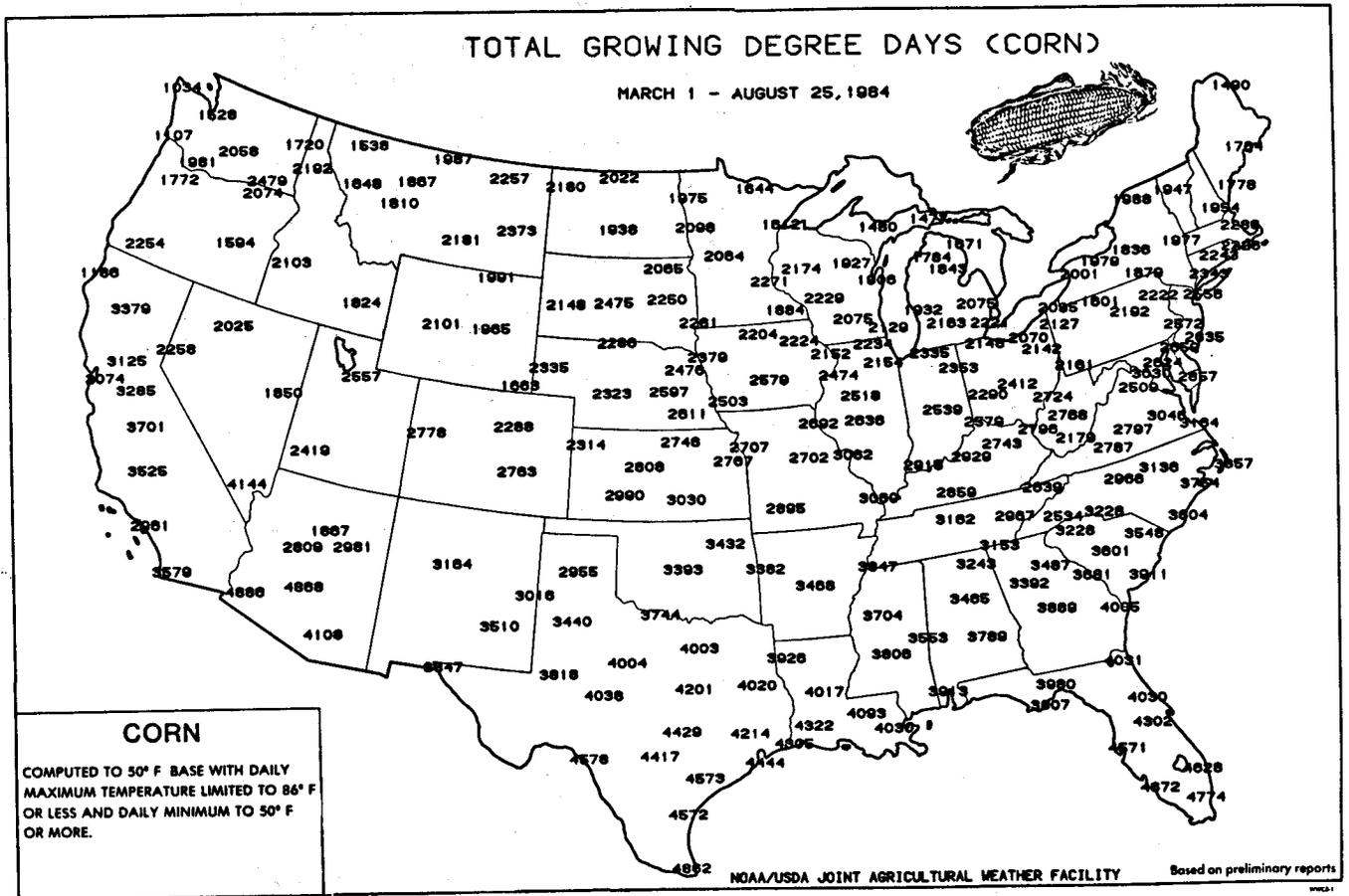
MONDAY...Showers and thunderstorms, some with heavy rain, reached from the southern Plateau and central Rockies, into the central and northern Plains. It was another hot day in the southern Plains. Isolated thunderstorms developed in the afternoon heat in central and northern Texas. Showers and thunderstorms also developed over the eastern gulf coast and the southeastern coast.

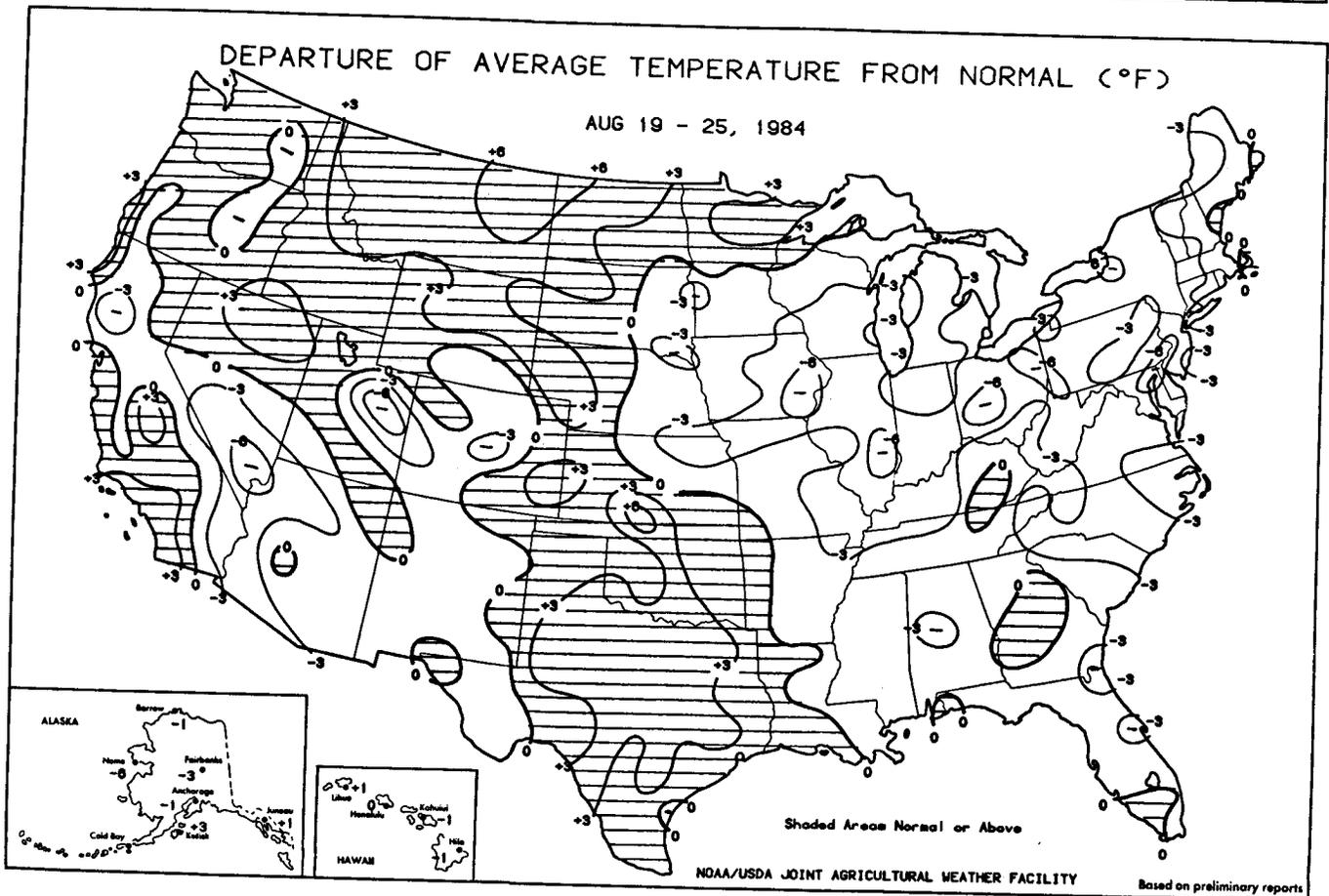
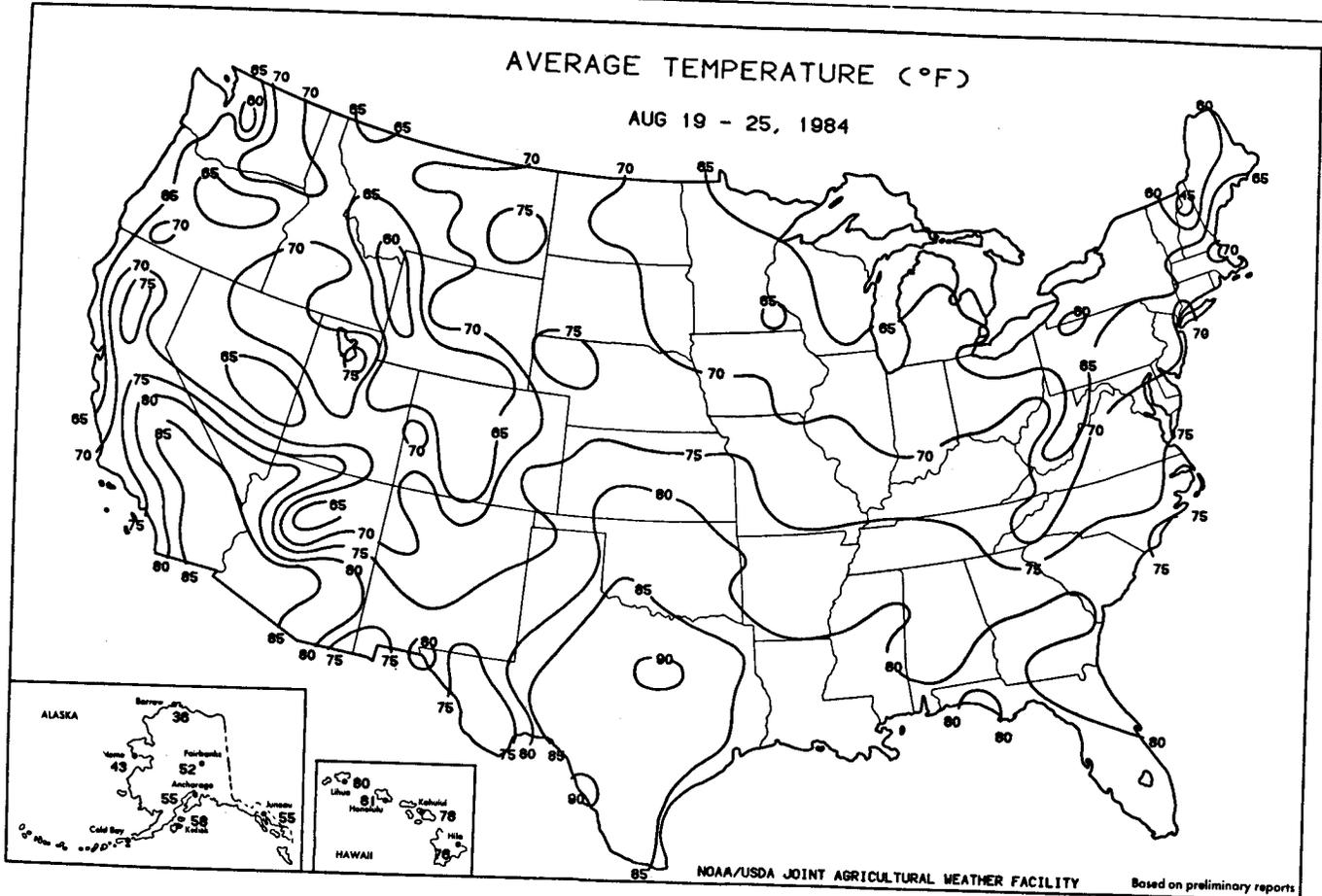
TUESDAY...Beneficial showers fell from the central and western Great Lakes to the central Plains. Some

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Weather Data for the Week Ending AUGUST 25, 1984

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 3	PCT. NORMAL SINCE JUNE 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERA- TURE		PRECIPI- TATION		
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	89	68	91	62	78	-1	.2	-.6	.1	9.6	79	33.7	88	89	42	2	0	2	0	
MOBILE	89	72	90	70	80	-2	.3	-1.2	.3	17.4	95	46.9	90	91	56	4	0	0	0	
MONTGOMERY	90	68	92	63	79	-2	.1	-.7	T	15.9	149	38.4	113	94	50	0	1	6	2	
AK ANCHORAGE	58	51	65	48	55	-1	2.4	2.0	1.0	5.4	114	9.7	115	88	65	0	0	5	0	
BARROW	40	32	42	30	36	-1	.6	.4	.3	2.5	120	3.3	110	93	74	0	4	4	0	
FAIRBANKS	59	44	66	34	52	-1	.5	.1	.3	4.5	96	7.7	111	98	63	0	0	5	0	
JUNEAU	59	51	63	49	55	1	2.6	1.4	1.2	14.4	129	33.5	118	100	79	0	0	6	2	
KODIAK	64	52	70	46	58	3	.3	-.9	.1	9.3	82	46.3	108	93	63	0	0	5	0	
NOME	49	37	53	32	43	-1	1.0	-.3	.6	8.5	143	10.8	119	89	56	0	1	3	1	
AZ PHOENIX	99	78	102	76	88	-1	2.2	-1.5	1.7	6.2	130	9.4	74	97	51	0	0	3	1	
PRESCOTT	77	57	83	54	67	-2	2.2	1.5	.8	8.7	130	9.4	74	97	51	0	0	3	2	
TUCSON	93	68	95	63	81	-3	1.6	1.2	.9	8.1	181	9.2	129	77	32	0	0	2	1	
YUMA	96	78	105	73	89	-3	1.0	-.9	.6	3.3	626	4.0	264	77	37	7	7	2	1	
AR PORT SMITH	93	71	95	63	82	-2	.2	-.7	T	6.3	68	20.6	78	88	40	0	0	0	0	
LITTLE ROCK	66	69	91	63	78	3	.3	-.4	.2	5.4	66	27.4	88	91	61	2	2	0	0	
CA BAKERSFIELD	97	67	100	62	82	0	0	0	0	T	29	1.3	34	90	72	0	0	0	0	
EUREKA	66	56	68	53	61	4	0	-.1	1.1	123	16.8	74	90	72	0	0	0	0	0	
FRESNO	98	67	102	63	83	5	0	0	.2	250	2.1	30	53	53	0	0	0	0	0	
LOS ANGELES	80	69	84	67	74	4	0	-.1	.3	290	2.0	23	84	59	5	0	0	0	0	
RED BLUFF	93	60	98	58	77	-3	0	-.1	0	8	4.3	33	71	22	4	0	0	0	0	
SACRAMENTO	87	56	91	55	72	-2	5	0	.1	61	3.0	28	85	27	4	0	0	0	0	
SAN DIEGO	80	74	83	73	77	0	T	-.1	T	.3	225	1.5	23	85	71	0	0	0	0	
SAN FRANCISCO	71	55	75	52	63	0	0	0	T	17	4.0	32	87	56	0	0	0	0	0	
CC DENVER	80	58	84	56	69	-1	1.1	-.8	-.9	6.6	138	11.8	102	89	44	0	0	4	1	
GRAND JUNCTION	79	63	86	60	71	-4	1.7	1.5	5	4.1	247	7.8	153	87	50	0	0	5	3	
FUELC	85	61	90	60	73	0	3.6	3.2	1.7	10.4	230	14.0	170	92	43	1	0	3	0	
CI BRICEFORT	78	61	82	55	70	-3	.2	-.7	.1	11.1	118	33.2	124	81	52	0	0	3	0	
HARTFORD	79	54	82	45	66	-4	.5	-.5	.4	7.8	81	33.8	121	91	44	0	0	2	1	
DC WASHINGTON	81	64	83	59	72	-4	.7	-.3	.7	8.7	80	27.5	105	85	51	0	0	1	1	
FL APALACHICOLA	88	72	89	69	80	-1	2.5	.7	2.3	24.7	138	48.9	139	95	66	0	0	2	2	
DAYTONA BEACH	85	71	91	65	79	-2	2.5	1.0	1.2	13.5	80	31.1	100	93	62	0	0	5	1	
JACKSONVILLE	86	69	89	67	77	-4	2.1	.4	1.3	14.6	83	31.7	87	97	62	0	0	1	0	
KEY WEST	88	81	90	79	84	0	.2	-1.0	.2	11.8	95	28.2	127	77	63	0	0	6	1	
MIAMI	90	73	92	71	81	-2	1.4	-.4	1.0	19.9	97	41.9	115	94	56	4	0	5	2	
ORLANDO	88	71	91	69	80	-3	3.7	2.4	1.9	19.9	98	35.0	101	99	58	3	0	5	2	
TAIHAASSEE	88	71	90	70	80	-1	1.6	0	.5	16.6	78	47.9	104	98	61	2	0	5	2	
TAMPA	88	74	91	70	81	-1	1.9	.2	1.0	16.1	85	27.0	82	88	57	4	0	3	2	
WEST PALM BEACH	89	73	93	72	81	-1	2.2	.8	1.1	18.2	99	43.5	121	94	59	4	0	7	2	
GA ATLANTA	86	69	87	63	77	0	3.1	2.4	3.0	17.2	158	46.9	135	86	45	0	0	2	1	
AUGUSTA	90	68	92	65	79	0	.8	-.1	.6	12.8	111	41.1	130	85	47	3	0	2	1	
MACON	92	71	93	68	82	1	T	-.8	T	16.6	147	39.4	121	100	54	7	1	0	0	
SAVANNAH	85	71	90	70	78	-2	1.1	-.3	.8	12.8	69	38.7	106	94	64	0	0	4	1	
HI HILO	81	70	83	67	76	-1	4.5	2.3	2.1	19.1	82	62.0	75	91	65	0	0	7	3	
HONOLULU	89	73	91	70	81	0	0	-.1	0	.3	21	5.1	36	80	46	5	0	0	0	
KAHULUI	89	67	91	64	78	-1	.4	.3	.4	.7	61	6.8	50	73	51	3	0	1	0	
LHUE	85	74	86	69	80	1	.2	-.2	.1	2.5	48	10.5	40	75	57	2	0	1	0	
ID BOISE	87	57	93	46	72	2	.7	.6	.7	2.4	162	8.2	107	61	16	2	0	0	1	0
LEWISTON	88	57	95	51	72	1	0	-.2	0	1.9	77	7.2	86	48	18	0	0	4	0	
POCATELLO	85	53	91	39	69	1	.1	0	.1	4.2	210	10.1	139	80	24	0	0	2	0	
IL CHICAGO	79	54	85	51	67	-4	.1	-.8	T	6.8	65	21.0	91	95	43	0	0	1	0	
MOLINE	81	55	85	47	68	-4	.1	-.7	.1	9.2	75	23.6	90	51	42	0	0	2	0	
PEORIA	82	57	87	50	69	-3	.2	-.5	.2	8.6	81	25.3	105	90	44	0	0	1	0	
QUINCY	83	58	89	53	70	-3	.1	-.8	.1	9.0	79	25.1	97	83	45	0	0	1	0	
ROCKFORD	79	53	85	46	66	-4	.5	-.3	.5	8.3	69	19.5	77	97	45	0	0	1	0	
SPRINGFIELD	84	59	89	53	72	-2	.3	-.4	.3	6.4	65	24.8	105	92	42	0	0	1	1	
IN EVANSVILLE	82	60	88	53	71	-4	.6	-.1	.6	7.4	74	26.5	91	83	46	0	0	1	1	
PORT WAYNE	80	55	85	50	68	-3	.6	-.1	.6	5.1	52	19.1	80	93	43	0	0	1	1	
INDIANAPOLIS	80	58	84	52	69	-3	.6	-.2	.6	9.5	85	25.0	91	97	53	0	0	1	0	
SOUTH BEND	81	57	87	51	69	-1	0	-.9	0	6.6	61	19.3	76	80	35	0	0	0	0	
IA DES MOINES	83	60	86	51	71	-1	.1	-.9	.1	14.3	133	29.1	130	85	48	0	0	1	0	
SIOUX CITY	79	59	84	48	69	-3	.5	-.2	.5	10.1	102	25.4	134	91	55	0	0	1	0	
WATERLOO	78	51	82	44	65	-4	T	-.8	T	10.7	89	24.0	100	95	48	0	0	2	1	
KS COMCORDIA	84	61	87	54	72	-4	1.6	.8	1.4	6.3	61	20.2	101	97	51	0	0	1	0	
DODGE CITY	92	68	96	62	80	3	T	-.6	T	3.8	46	13.2	83	82	37	7	0	1	0	
GOOGLAND	86	61	91	59	74	-1	1.0	-.6	-.6	7.8	117	16.8	132	93	37	2	0	3	1	
TOPEKA	85	60	89	51	73	-3	.6	-.3	.5	12.9	106	26.7	114	97	48	0	0	2	0	
WICHITA	90	69	95	62	80	0	.1	.1	.5	3.8	38	17.6	89	80	40	4	0	2	0	
KY BOWLING GREEN	84	60	90	54	72	-4	.1	-.6	.1	8.2	71	37.4	110	96	46	1	0	1	0	
LEXINGTON	84	60	89	54	72	-2	.2	-.7	.2	7.5	61	25.0	83	97	45	0	0	1	0	
LOUISVILLE	82	62	87	56	72	-3	.7	-.1	.7	12.2	118	31.3	104	93	48	0	0	1	1	
LA ALEXANDRIA	89	72	95	64	81	-2	.8	-.2	.4	15.6	142	42.8	112	91	56	3	0	2	0	
BATON ROUGE	90	71	93	66	80	-1	1.0	-.1	.9	10.6	74	26.8	104	99	51	4	0	2	1	
LAKE CHARLES	91	73	94	65	82	0	T	-.2	T	14.0	99	36.0	104	99	58	5	0	0	0	
NEW ORLEANS	90	73	96	71	81	0	1.2	-.1	.8	18.8	116	38.2	94	95	53	2	0	0	1	

+100 = NORMAL & ACTUAL NEAR THE SAME

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending AUGUST 25, 1984

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 3	PCT. NORMAL SINCE JUNE 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	95	73	102	66	84	2	T	-0.6	T	6.6	73	26.4	88	94	44	7	0	1	0
ME CARIBOU	71	50	81	49	61	-1	T	-0.7	T	11.7	111	26.9	118	92	51	0	0	0	0
PORTLAND	75	54	79	49	65	-1	T	-0.3	T	9.7	119	36.8	138	91	53	0	0	2	0
MD BALTIMORE	79	59	83	51	69	-1	T	-0.6	T	9.0	78	27.9	99	75	46	0	0	3	0
SALISBURY	79	60	84	53	71	-1	T	-0.1	T	10.9	85	35.3	117	96	51	0	0	1	0
MA BOSTON	76	62	85	56	70	-1	T	-0.3	T	9.0	105	39.2	141	88	52	0	0	3	0
CHATHAM	76	62	85	56	70	-1	T	-0.3	T	8.1	90	36.8	126	96	51	0	0	3	0
MI ALPENA	76	48	84	37	62	-1	T	-0.5	T	8.4	90	36.8	126	88	52	0	0	3	0
DETROIT	79	54	87	46	67	-1	T	-0.3	T	9.7	97	17.1	90	98	43	0	0	2	0
FLINT	78	51	85	44	65	-1	T	-0.7	T	4.7	51	16.2	76	98	43	0	0	2	0
GRANT RAPIDS	80	54	87	48	67	-1	T	-0.5	T	6.6	75	17.0	85	80	38	0	0	0	1
HOUGHTON LAKE	78	51	82	40	65	-1	T	-0.6	T	3.8	39	15.4	69	95	46	0	0	1	0
LANSING	75	51	85	43	65	-1	T	-0.1	T	8.8	106	17.7	97	95	41	0	0	1	0
MARQUETTE	72	48	79	34	60	-1	T	-0.7	T	5.9	67	16.9	85	92	40	0	0	1	0
MUSKEGON	77	53	82	46	65	-1	T	-0.4	T	8.5	88	20.6	86	95	50	0	0	3	0
SAULT STE. MARIE	74	47	79	37	61	-1	T	-0.5	T	5.2	69	17.2	87	89	48	0	0	3	0
MN ALEXANDRIA	76	58	82	49	67	0	T	-0.8	T	8.3	93	16.7	82	100	53	0	0	1	0
DULUTH	75	55	82	47	65	3	T	-0.5	T	12.2	122	20.1	112	93	45	0	0	3	0
INT'L FALLS	76	51	85	39	64	2	T	-0.3	T	8.7	77	14.8	72	90	44	0	0	3	0
MINNEAPOLIS	77	58	82	50	68	2	T	-0.9	T	10.0	101	13.9	83	94	52	0	0	3	0
ROCHESTER	74	53	78	47	64	-1	T	-0.5	T	15.2	144	25.3	131	81	47	0	0	2	1
MS GREENWOOD	88	70	91	63	79	3	T	-0.4	T	9.0	81	18.5	91	91	49	0	0	1	0
JACKSON	90	69	92	64	80	-1	T	-0.6	T	7.8	78	31.4	86	95	53	2	0	0	0
MERIDIAN	90	68	92	63	79	-1	T	-0.4	T	10.7	104	32.4	89	94	41	0	0	0	0
MO CAPE GIRARDEAU	84	62	90	57	73	-1	T	-0.7	T	12.4	107	34.6	92	93	52	5	0	0	1
CLUMBIA	88	59	95	53	73	-1	T	-0.1	T	4.1	41	21.0	69	96	51	3	0	0	0
KANSAS CITY	85	61	90	53	73	-2	T	-0.9	T	13.0	136	31.7	129	95	36	1	0	1	0
SAINT LOUIS	85	65	90	59	75	-2	T	-0.4	T	8.8	75	24.5	101	92	43	0	0	2	0
SPRINGFIELD	86	64	93	55	75	-1	T	-0.3	T	4.3	46	25.4	107	92	37	1	1	1	0
MT BILLINGS	87	59	92	53	73	4	T	-0.2	T	6.4	62	23.1	89	82	41	2	2	2	0
GLASGOW	89	59	98	50	74	7	T	-0.3	T	2.5	66	7.0	65	57	21	2	4	3	0
GREAT FALLS	88	52	95	43	70	4	T	-0.3	T	2.2	42	4.4	48	57	19	2	2	2	0
HAVRE	87	51	95	46	69	3	T	-0.3	T	2.5	51	8.1	70	66	17	3	0	0	0
HELENA	84	52	92	48	68	4	T	-0.3	T	1.1	25	3.9	46	65	17	3	1	2	0
KALISPELL	84	46	89	39	65	3	T	-0.2	T	2.6	65	5.8	68	71	23	0	0	2	0
MILES CITY	91	61	99	50	76	6	T	-0.3	T	2.7	64	8.6	80	77	18	0	0	2	0
MISSOULA	86	49	93	41	68	4	T	-0.2	T	4.5	86	6.8	63	64	20	5	1	2	0
NE GRAND ISLAND	83	60	88	54	72	-1	T	-0.6	T	2.5	73	9.1	100	80	20	1	0	0	0
LINCOLN	85	61	90	53	73	-1	T	-0.2	T	7.1	84	25.2	142	83	45	0	0	2	1
NCRFOLK	83	60	86	50	71	-1	T	-0.9	T	8.7	89	27.2	138	91	45	1	0	2	1
NORTH FLATTE	86	59	91	53	73	2	T	-0.8	T	9.3	96	26.0	140	91	47	0	0	2	1
OMAHA	80	61	85	53	71	-2	T	-0.7	T	6.7	82	16.9	108	82	36	1	1	2	1
SCOTTSDALE	90	60	94	53	75	5	T	-0.5	T	10.2	92	24.9	114	86	54	0	0	3	1
VALENTINE	87	58	92	53	72	1	T	-0.3	T	3.3	59	10.8	93	79	27	4	0	4	0
NV ELY	79	45	81	44	64	0	T	-0.5	T	9.9	134	17.4	126	81	36	3	0	0	0
LAS VEGAS	91	71	99	68	81	-6	T	-0.3	T	4.8	247	7.9	126	91	34	0	0	1	0
RENO	87	48	90	45	68	3	T	0	T	3.7	358	3.8	133	78	34	0	0	3	0
WINNEMUCA	91	50	94	44	70	3	T	-0.1	T	0.8	96	1.9	38	70	16	5	1	4	0
NH CONCORD	77	48	83	41	63	-4	T	-0.8	T	3.2	230	8.3	158	47	15	0	0	0	0
NJ ATLANTIC CITY	80	60	85	54	70	-2	T	-0.4	T	8.2	97	31.4	139	96	45	0	0	4	0
NM ALBUQUERQUE	85	63	90	59	74	-1	T	-0.5	T	8.4	78	31.9	114	85	51	0	0	4	0
CLOVIS	87	66	93	64	76	1	T	-0.4	T	4.2	136	5.8	110	90	36	2	0	5	0
ROSWELL	89	66	93	65	78	-1	T	-0.5	T	12.5	168	17.3	143	77	42	2	0	3	0
NY ALBANY	76	54	82	47	65	-3	T	-0.8	T	10.0	245	12.5	207	83	37	4	0	0	0
BINGHAMTON	73	53	80	47	63	-3	T	-0.1	T	7.9	89	27.5	119	98	53	0	0	3	0
BUFFALO	72	51	77	47	62	-6	T	-0.7	T	11.1	114	29.3	122	90	50	0	0	3	0
NEW YORK	80	64	84	60	72	-2	T	-0.4	T	11.6	127	25.6	109	96	49	0	0	2	1
ROCHESTER	76	56	83	49	66	-3	T	-0.3	T	13.4	130	39.0	139	84	54	0	0	3	0
SYRACUSE	72	50	82	44	61	-7	T	-0.9	T	9.4	119	24.6	121	85	45	0	0	3	0
NC ASHEVILLE	80	59	83	57	69	-3	T	-0.1	T	9.9	94	24.5	96	98	62	0	0	3	1
CHARLOTTE	83	65	85	63	74	0	T	-0.4	T	14.6	117	38.9	118	100	63	0	0	3	0
GREENSBORO	81	62	85	59	72	-3	T	-0.8	T	12.9	122	38.0	127	92	53	0	0	3	0
HATTERAS	83	73	86	70	78	-4	T	-0.9	T	19.6	169	42.9	148	92	52	0	0	0	0
NEW HERN	85	68	88	63	77	0	T	2.6	T	12.9	89	34.1	98	87	61	0	0	0	0
RALEIGH	83	62	86	57	73	-2	T	-0.5	T	15.0	88	41.5	115	88	59	0	0	4	2
WILMINGTON	81	67	85	61	74	-4	T	-0.9	T	13.2	113	39.0	134	97	51	0	0	4	0
ND BISMARCK	84	53	97	42	68	-5	T	-0.6	T	13.7	74	35.2	95	97	62	0	0	3	1
FARGO	79	56	87	48	68	1	T	-0.1	T	5.2	81	11.6	97	85	31	2	0	1	0
GRAND FORKS	80	53	90	41	67	1	T	-0.3	T	6.2	72	11.3	78	86	40	0	0	1	0
WILLISTON	87	57	97	44	72	6	T	-0.3	T	11.5	146	16.0	120	88	40	1	1	1	1
OH AKRON-CANTON	74	52	78	46	63	-7	T	-0.4	T	3.4	60	7.1	68	74	24	3	0	1	0
CINCINNATI	80	60	85	55	70	0	T	-0.3	T	6.7	67	22.2	89	95	51	0	0	0	0
CLEVELAND	73	54	80	48	63	-6	T	-0.3	T	7.9	73	24.3	86	89	50	0	0	1	0
COLUMBUS	78	54	84	50	66	-5	T	-0.7	T	10.6	110	27.9	116	89	50	0	0	1	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending AUGUST 25, 1984

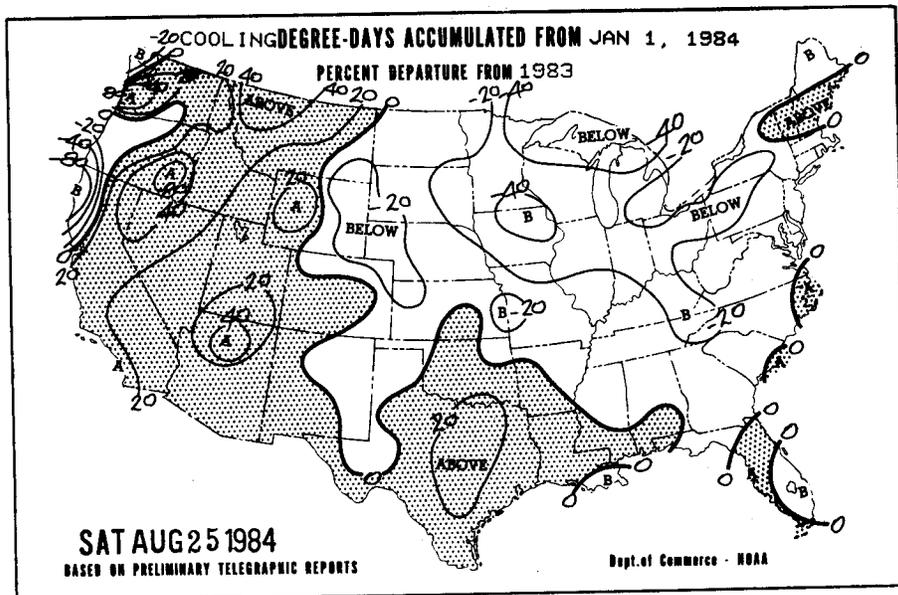
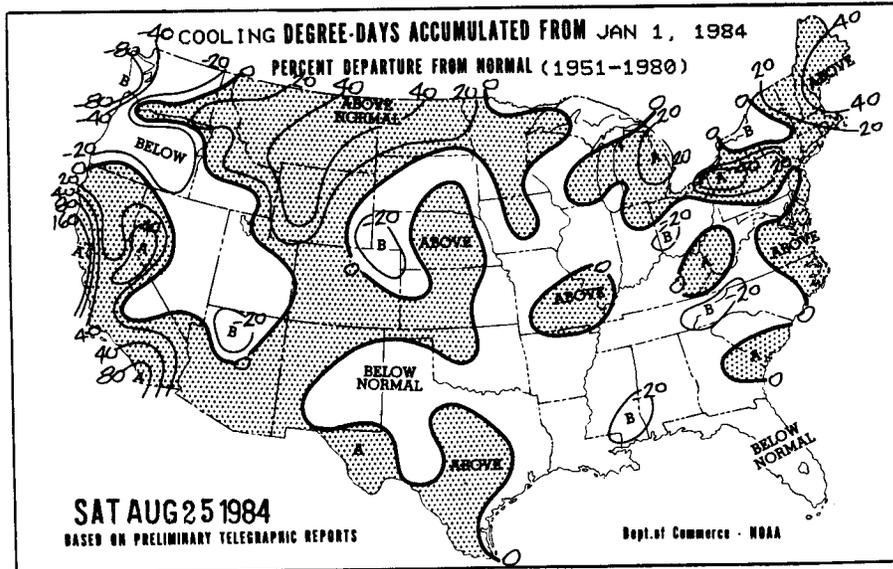
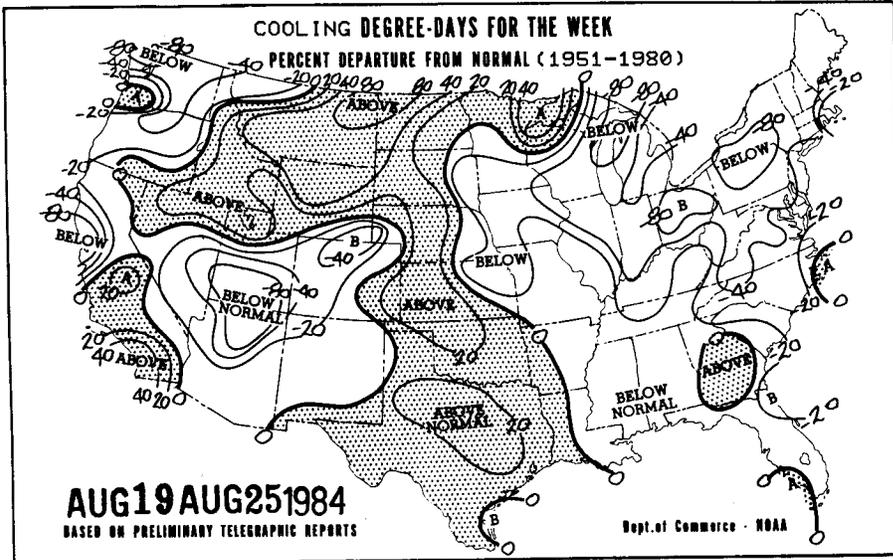
STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE June 3	PCT. NORMAL SINCE June 3	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	75	54	82	49	65	-7	.3	-.4	.3	6.3	65	21.9	89	90	49	0	0	1	0
TOLEDO	77	51	83	46	64	-6	.1	-.7	.4	6.9	74	20.6	95	96	49	0	0	1	0
YOUNGSTOWN	76	52	80	45	63	-4	.4	-.4	.2	10.1	98	24.5	97	97	53	0	0	1	0
OK OKLAHOMA CITY	94	72	103	67	83	3	.2	-.4	.2	4.6	53	14.2	66	72	33	0	0	1	0
TULSA	92	70	96	58	81	1	.3	-.4	.3	3.9	37	27.3	105	87	42	6	6	1	0
OR ASTORIA	70	50	72	45	60	0	.1	-.4	.1	4.5	90	35.2	92	91	56	0	0	2	0
BURNS	83	42	88	38	63	-3	.0	-.2	.0	1.5	84	6.3	143	74	7.1	0	0	0	0
MEDFORD	89	53	95	50	71	1	.0	-.1	.0	.9	74	7.1	65	56	26	4	2	0	0
PENDLETON	84	56	93	50	70	-1	.1	-.1	.0	1.2	87	8.1	108	84	20	0	0	1	0
FORTLAND	81	57	87	54	69	2	.0	-.3	.0	4.1	147	19.7	94	51	35	0	0	0	0
SALEM	83	49	88	44	66	-1	.3	-.2	.0	4.2	201	23.3	104	96	34	0	0	0	0
FA ALLENTOWN	79	57	82	50	68	-1	.6	-.4	.6	16.5	148	41.3	143	91	51	0	0	1	0
ERIE	75	56	80	50	66	-2	.2	-.7	.1	7.7	76	22.2	91	82	43	0	0	2	0
HARRISBURG	80	61	83	52	70	-3	.9	-.1	.5	9.6	101	33.4	130	101	33	0	0	1	0
PHILADELPHIA	79	61	82	55	70	-3	.5	-.4	.4	13.1	118	35.4	127	82	47	0	0	2	1
PITTSBURGH	76	54	83	48	65	-5	1.1	-.4	1.1	9.5	97	24.3	95	82	43	0	0	2	1
SCRANTON	77	56	83	48	67	-3	1.1	-.3	1.0	12.3	128	29.7	130	89	51	0	0	2	1
RI PROVIDENCE	78	59	82	53	69	-1	1.1	-.9	1.1	9.9	109	37.5	131	84	45	0	0	1	0
SC CHARLESTON	85	71	89	69	78	-2	1.6	-.2	1.0	9.8	51	37.3	99	93	60	0	0	4	1
COLUMBIA	89	66	91	62	77	-2	1.8	-.6	1.1	18.0	125	40.4	114	97	49	2	0	1	1
FLORENCE	86	67	89	63	76	-3	.8	-.3	.7	14.0	98	36.3	115	99	56	0	0	3	0
GREENVILLE	83	66	86	63	74	-3	.3	-.6	.3	20.4	174	49.6	142	90	56	0	0	1	0
SD ABERDEEN	81	55	87	42	68	-1	.2	-.2	.2	8.9	123	16.1	116	93	46	0	0	2	1
HURON	78	59	85	50	69	-2	.9	-.5	.9	16.8	234	24.7	172	90	51	0	0	0	0
RAPID CITY	87	58	92	49	72	2	.4	-.1	.3	7.4	114	13.0	98	78	31	4	0	2	2
STOIX FALLS	79	57	85	43	68	-2	.2	-.5	.1	10.8	122	22.8	130	88	48	0	0	1	0
TN CHATTANOOGA	86	65	93	57	76	-2	.1	-.7	.1	11.1	105	35.4	100	92	50	1	0	2	0
KNOXVILLE	83	62	86	58	73	-4	.4	-.2	.4	15.1	141	39.1	119	99	53	0	0	2	1
MEMPHIS	86	69	91	63	78	-2	1.5	-.7	1.1	10.6	100	37.2	104	93	61	0	0	2	1
TX ABILENE	85	64	90	59	75	-3	.1	-.7	.1	12.4	121	39.8	119	86	43	1	0	1	0
NASHVILLE	99	74	104	69	87	4	.4	-.2	.4	5.6	85	8.1	53	68	27	7	0	3	1
AMARILLO	88	64	95	61	76	0	1.1	-.5	.6	9.9	115	12.9	89	91	42	3	0	3	0
AUSTIN	101	76	106	75	88	4	.0	-.6	.0	3.2	49	9.7	49	77	29	7	0	0	0
BEAUMONT	91	75	94	71	83	0	.0	-.3	.0	8.5	62	32.0	97	98	56	7	0	0	0
BROWNSVILLE	93	74	98	72	84	0	.5	-.3	.5	5.3	84	16.8	126	94	48	5	0	1	0
CORPUS CHRISTI	95	73	100	72	84	-1	.0	-.1	.0	1.4	18	10.0	59	79	41	7	0	0	0
DEL RIO	97	76	99	74	87	2	.0	-.4	.0	1.9	41	6.2	58	64	29	7	0	0	0
EL PASO	93	69	97	67	81	2	.3	.0	.2	9.5	299	10.7	226	76	31	7	0	3	0
FORT WORTH	99	78	106	75	89	4	.0	-.4	.0	4.7	81	17.9	90	67	30	7	0	0	0
GALVESTON	87	79	90	77	83	0	.2	-.9	.2	5.2	48	15.7	65	86	63	2	7	1	0
HOUSTON	95	74	98	71	85	2	.5	-.4	.5	8.1	80	22.5	79	83	41	7	0	0	0
LUBBOCK	92	68	98	66	80	3	.6	-.1	.5	8.6	124	9.7	77	81	40	5	0	2	0
MIDLAND	97	68	101	66	83	3	.3	-.1	.2	5.4	123	9.4	106	75	25	7	0	2	0
SAN ANGELO	100	71	104	66	86	2	.3	-.4	.3	3.7	83	7.8	70	68	27	7	0	0	0
SAN ANTONIO	97	75	101	72	86	2	.0	-.3	.0	4.4	63	12.5	69	80	33	7	0	1	0
VICTORIA	95	75	97	73	85	1	.0	-.9	.0	7.2	76	17.4	78	95	46	7	0	0	0
WACO	102	77	107	74	90	5	.5	-.5	.1	4.8	83	14.3	71	77	30	7	0	0	0
WICHITA FALLS	99	74	106	72	86	3	.1	-.5	.1	5.0	78	9.5	54	82	36	7	0	1	0
UT BLANDING	81	57	85	52	69	0	.3	.0	.2	3.0	115	5.3	78	88	42	0	0	4	0
CEDAR CITY	81	57	89	52	69	-1	.5	.3	.2	5.9	235	10.2	150	89	39	0	0	5	0
SALT LAKE CITY	86	65	90	62	75	2	.5	.3	.2	5.1	210	13.8	131	81	35	1	0	3	0
VT BURLINGTON	75	53	81	44	64	-2	1.0	-.1	.4	9.5	93	24.7	122	87	54	0	0	3	1
VA NORFOLK	81	68	87	60	74	-3	.8	-.4	.6	11.3	87	37.4	122	87	54	0	0	0	0
RICHMOND	83	60	87	55	71	-5	.0	-.1	.0	10.1	78	37.2	127	94	53	0	0	0	0
ROANOKE	82	58	85	55	70	-4	.1	-.8	.1	12.8	128	31.7	120	96	50	0	0	1	0
WA COLVILLE	83	52	89	42	67	2	.0	-.3	.0	6.3	201	17.2	161	68	28	0	0	0	0
QUILLAYUTE	71	49	74	43	60	1	.1	-.7	.0	3.9	52	65.2	113	97	52	0	0	1	0
SEATTLE-TACOMA	75	54	81	53	65	1	.1	-.3	.0	3.0	96	20.6	98	80	41	0	0	0	0
SPOKANE	83	53	89	48	68	-1	.1	-.2	.0	2.7	118	10.6	104	64	20	0	0	0	0
YAKIMA	85	48	92	45	67	-1	.1	-.1	.0	1.6	158	5.3	109	74	24	2	0	0	0
WV BECKLEY	74	54	80	47	64	-4	.4	-.4	.6	13.5	120	29.3	99	99	62	0	0	1	0
CHARLESTON	81	59	89	54	70	-3	1.1	-.2	.6	11.3	93	26.0	87	93	49	0	0	2	0
HUNTINGTON	83	62	89	56	72	-1	.4	-.4	.4	9.5	85	24.8	86	85	45	0	0	1	0
PARKERSBURG	82	59	89	54	71	-2	.5	-.2	.5	7.8	66	21.2	70	93	42	0	0	1	1
WI GREEN BAY	75	51	82	46	63	-3	.3	-.4	.3	11.3	126	20.4	107	94	50	0	0	1	0
LA CROSSE	77	54	82	49	66	-4	.5	-.4	.5	12.5	114	21.7	101	97	46	0	0	1	0
MADISON	77	49	83	41	63	-4	.2	-.7	.2	10.4	97	20.3	94	90	47	0	0	1	0
MILWAUKEE	76	57	85	49	66	-2	.5	-.2	.5	9.3	96	22.4	106	89	46	0	0	2	0
WAUSAU	74	52	79	45	63	-3	.4	-.5	.4	15.2	135	24.3	112	94	48	0	0	3	0
WY CASPER	86	54	88	44	70	2	.1	-.1	.0	3.9	139	10.7	125	86	26	0	0	0	1
CHEYENNE	75	53	80	49	64	-1	1.1	-.8	.8	7.8	156	14.9	142	97	52	0	0	4	0
LANDER	85	57	88	53	71	-4	.4	-.1	.1	4.2	171	10.9	113	67	24	0	0	2	0
SHERIDAN	86	56	91	47	71	-4	.1	-.1	.1	3.9	102	10.9	99	65	23	2	0	1	0
PR SAN JUAN	89	76	91	75	83	1	.9	-.5	.8	12.6	88	23.3	75	82	58	4	0	4	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

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

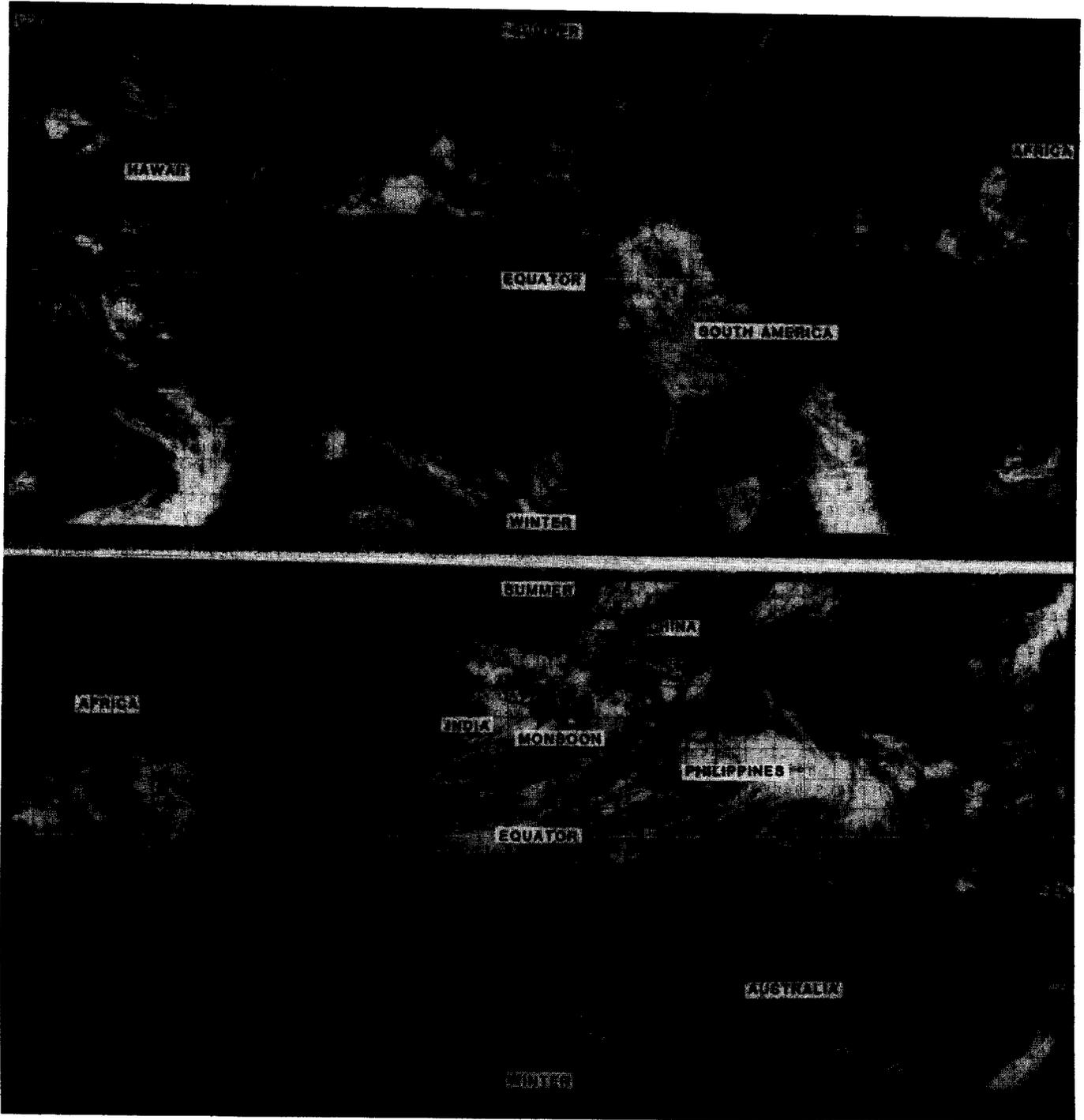
LAST DATE OF DATA COLLECTION PERIOD IS 8-25-1984
 ACCUMULATIONS ARE FROM JANUARY 1
 ** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

STATE CITY	CALL	WEEK	WEEK	WEEK	CUM	CUM	CUM	CUM	CUM
		TOTAL	DEV	DEV	TOTAL	FROM	FROM	FROM	FROM
			NORM	FROM		NORM	L YR	NORM	L YR
			L YR	L YR		L YR	PRCT	L YR	PRCT
AL BIRMINGHAM	BHM	94	-4	-53	1309	-166	-72	-11	-5
AL MOBILE	MOB	108	-10	-22	1591	-356	40	-18	3
AL MONTGOMERY	MCM	100	-12	-57	1569	-166	63	-10	4
AK BARRAGE	AHC	0	0	0	0	0	0	**	**
AK FAIRBANKS	FAI	0	0	0	0	0	0	**	**
AK JUNEAU	JNU	0	0	0	45	-11	-69	**	**
AK KODIAK	KDK	0	0	0	0	0	0	**	**
AK NOME	NME	0	0	0	0	0	2	**	**
AZ FLAGSTAFF	FLG	0	-6	0	83	-41	33	-33	66
AZ PHOENIX	PHX	165	-3	-11	3217	479	225	17	3
AZ TUCSON	TUS	112	-16	-5	2153	30	162	4	3
AZ WINSLOW	INW	61	-8	1	1059	52	108	5	11
AZ YUMA	YUM	168	-18	7	3213	197	113	7	4
AR FORT SMITH	FSM	120	15	-21	1427	-125	59	-8	4
AR LITTLE ROCK	LMI	90	-17	-66	1462	-154	-30	-10	-2
CA BAKERSFIELD	BFL	118	3	49	1642	-153	154	-6	10
CA EUREKA	EKA	0	0	0	0	0	0	**	**
CA FRESNO	FAT	124	33	48	1905	555	457	41	32
CA LOS ANGELES	LAX	66	24	51	545	130	93	31	21
CA RED BLUFF	RBL	84	-15	18	1604	146	308	10	24
CA SAN DIEGO	SAN	37	34	11	1013	510	274	101	27
CA SAN FRANCISCO	SFO	0	-4	-11	140	102	23	**	**
CA STOCKTON	SKX	63	-14	7	1288	204	249	19	24
CO DENVER	DEN	32	-5	-27	620	32	26	5	4
CO GRAND JUNCTION	GJT	43	-23	-44	1051	24	8	2	1
CO PUEBLO	PUB	60	2	-16	947	67	88	8	10
CT BRIDGEPORT	BDR	35	-16	-25	722	98	97	16	16
CT HARTFORD	HDL	15	-25	-37	612	20	-83	3	-12
DE WILMINGTON	ILG	19	-44	-77	909	68	-70	8	7
DC WASHINGTON	DCA	54	-28	-72	1161	1	-160	0	-12
FL APALACHICOLA	AQQ	108	-4	-26	1546	-314	-84	-17	-5
FL DAYTONA BEACH	DAB	103	-9	-16	1653	-326	26	-16	2
FL FORT MEYER	FMV	127	1	10	2453	-31	369	-1	18
FL JACKSONVILLE	JAX	39	-23	-48	1677	-131	59	-7	4
FL KEY WEST	YWK	136	3	3	2949	-193	285	-6	11
FL MIAMI	MEA	118	-9	-17	2519	-198	-54	-7	2
FL ORLANDO	MCO	105	-14	-37	1965	-375	-130	-16	-6
FL TALLAHASSEE	TUH	104	-8	-36	1690	-134	-14	-7	-1
FL TAMPA	TPA	113	-6	-19	2224	-69	139	-3	7
FL WEST PALM BEACH	PBI	116	-5	-24	2274	-211	-167	-8	-7
GA ATLANTA	ATL	89	0	-56	1255	-59	-73	-4	-5
GA AUGUSTA	AGS	100	0	-61	1519	3	-19	0	-1
GA MACON	MCN	119	11	-44	1689	-24	-96	-1	-5
GA SAVANNAH	SAV	93	-15	-61	1719	-5	-40	0	2
HI HILO-HAWAII	ITO	75	-2	3	2137	173	161	9	8
HI HONOLULU-HAUL	HNL	115	3	-11	3098	334	455	12	17
HI KAHULUI-MAUI	OGG	94	-4	-8	2967	263	451	23	23
HI LIHUE-KAJAUI	LIH	104	6	4	2943	610	514	26	21
ID BOISE	BOI	54	9	33	689	36	129	9	13
ID LEWISTON	LWS	54	4	9	959	3	60	12	13
ID POCATELLO	PIH	29	1	16	369	-24	42	-6	13
IL CHICAGO	ORD	18	-29	-65	582	-51	-306	-3	-34
IL MOLINE	MLI	26	-22	-91	821	32	-272	4	-25
IL PEORIA	PIA	34	-16	-100	829	13	-314	2	-27
IL ROCKFORD	RFD	16	-26	-81	609	-22	-328	-3	-35
IL SPRINGFIELD	SPI	49	-10	-30	956	-21	-206	-2	-18
IN EVANSVILLE	EVV	43	-29	-101	1131	-17	-165	-1	-13
IN FORT WAYNE	FWA	21	-21	-98	722	53	-288	10	-29
IN INDIANAPOLIS	IND	30	-22	-108	817	-14	-263	-2	-24
IN SOUTH BEND	SNB	30	-12	-77	707	96	-299	16	-30
IA DES MOINES	DSM	47	-6	-90	950	68	-318	8	-25
IA DUBUQUE	DBQ	9	-23	-76	521	-13	-281	-2	-35
IA SIOUX CITY	SUX	36	-17	-82	740	-80	-218	-10	-23
KS COMCORDIA	CKR	52	-25	-74	1171	42	-57	4	-5
KS DODGE CITY	JDC	106	22	-45	1416	183	-15	15	-1
KS GOODLAND	GLD	63	11	-56	692	-117	-346	-14	-33
KS TOPEKA	TOP	56	-20	-79	1034	-118	-255	-10	-20
KS WICHITA	ICT	104	10	-26	1398	3	110	0	9
KY LOUISVILLE	LXK	51	-13	-91	909	-50	-226	-5	-20
KY LEXINGTON	SGF	52	-22	-97	1075	-28	-160	-3	-13
LA BATON ROUGE	BR	108	-4	-27	1760	-174	134	-9	8
LA LAKE CHARLES	LCH	120	2	-21	1926	-35	145	-2	8
LA NEW ORLEANS	MSY	114	-1	-20	1631	-360	-73	-18	-4
LA SHREVEPORT	SHV	134	15	-6	1732	-134	128	-7	8
ME CARIBOU	CAR	2	-5	-5	192	48	-12	33	-6
ME PORTLAND	PWM	8	-13	-16	358	124	27	53	8
MD BALTIMORE	BMI	29	-39	-75	860	-78	-198	-8	-19
MA BOSTON	BOS	38	-4	-30	785	194	-67	33	-8
MI ALPENA	APN	10	-4	-8	234	59	-186	34	-44
MI DETROIT	DTW	17	-22	-53	609	78	-49	15	-7
MI FLINT	FNT	12	-16	-52	515	112	-115	28	-18
MI GRAND RAPIDS	GRR	20	-12	-30	565	61	-77	12	-12
MI HOUGHTON LAKE	LHL	14	-5	-10	306	39	-136	15	-31
MI LANSING	LAN	14	-16	-43	527	53	-92	11	-11
MI MARQUETTE	MQT	2	-5	-16	138	-12	-195	-8	-59
MI MUSKEGON	MKG	12	-16	-36	387	-19	-223	5	-34
MI SAULT ST MARIE	SSM	0	-12	-14	109	-26	-195	-19	-64
MN DULUTH	DLH	18	7	-10	205	60	-143	41	-41
MN INT'L FALLS	INL	13	2	-6	186	-25	-174	-12	-48
MN MINNEAPOLIS	MSP	28	-7	-41	638	35	-186	6	-23
MN ROCHESTER	RST	7	-16	-52	349	-96	-269	-22	-44
MN SAINT CLOUD	STC	19	-2	-34	433	58	-148	15	-25
MS JACKSON	JAN	106	-5	-34	1628	-138	17	-8	1
MS MERIDIAN	MEI	101	-6	-29	1298	-371	-67	-22	-5
MO COLUMBIA	COU	59	-10	-77	996	-56	-137	-5	-12
MO KANSAS CITY	MCI	58	-16	-74	1021	-106	-207	-9	-17
MO SAINT LOUIS	STL	70	-7	-90	1333	129	-100	11	-7
MO SPRINGFIELD	SGF	71	-7	-62	1131	3	-81	0	-7
MT BILLINGS	BIL	57	22	9	709	222	49	46	7
MT GLASGOW	GGW	66	33	33	705	294	118	72	20
MT GREAT FALLS	GTF	40	12	24	432	104	116	32	37
MT HAVRE	HVR	32	1	14	486	116	112	31	30
MT HELENA	HLN	22	2	8	362	102	65	39	22
MT KALISPELL	FCA	11	-4	10	161	12	58	8	56
MT MILES CITY	MLS	81	32	17	867	186	-6	27	-1
MT MISSOULA	MSS	24	7	16	258	58	91	29	54
NE GRAND ISLAND	GRI	51	-7	-62	993	91	-122	10	-11
NE LINCOLN	LNK	57	-7	-66	1020	39	-223	4	-18
NE NORFOLK	NFK	47	-5	-66	869	45	-158	5	-15
NE NORTH PLATTE	NPL	56	12	-28	711	23	-67	3	-9
NE OMAHA	OMA	42	-21	-74	899	-120	-210	-12	-19
NE VALENTINE	VTN	52	9	-37	720	45	-82	7	-10
NV ELY	ELY	3	-11	3	162	-9	5	-5	3
NV LAS VEGAS	LAS	112	-40	17	2362	33	334	1	16
NV RENO	RNO	22	0	16	457	142	147	45	47
NV WENEMUCCA	WMC	38	8	31	447	-14	115	-3	35
NH CONCORD	CON	2	-18	-24	942	76	6	23	2
NJ ATLANTIC CITY	ACY	38	-12	-35	945	261	-13	38	-1
NM ALBUQUERQUE	ABQ	62	-8	-23	1153	83	-26	8	-2
NM ROSWELL	ROW	92	-1	-25	416	-198	-83	-13	-4
NM ALBANY	ALB	11	-16	-16	1133	-28	-57	-13	-17
NY BINGHAMTON	BGM	3	-18	-36	395	102	-114	35	-22
NY BUFFALO	BUF	1	-27	-36	480	63	-127	15	-21
NY NEW YORK	LGA	52	-14	-36	862	-4	-93	0	-10
NY ROCHESTER	ROC	13	-19	-20	461	-2	-111	0	-19
NY SYRACUSE	SYR	1	-31	-19	343	-103	-127	-23	-27
NY ASHVILLE	AVL	33	-17	-77	541	-148	-247	-21	-31
NC CAPE HATTERAS	HAT	93	2	-7	1270	121	99	11	8
NC CHARLOTTE	CLT	66	-20	-69	1136	-114	-131	-9	-10
NC GREENSBORO	GSO	49	-25	-72	958	-132	-66	-12	-6
NC RALEIGH DURHAM	RDU	53	-27	-74	1066	-70	-83	-6	-6
NC WILMINGTON	ILM	67	-31	-77	1369	-103	-58	-7	-4
ND BISMARCK	BIS	35	1	-10	454	-22	-92	5	-17
ND FARGO	FAR	27	-1	-2	520	80	-86	18	-14
ND WILLISTON	ISN	59	28	10	597	197	-115	49	-16
OH AKRON-CANTON	CAK	3	-35	-79	505	-18	-191	-3	-27
OH CLEVELAND	CLE	4	-31	-65	481	-32	-250	-6	-34
OH COLUMBUS	CMH	14	-35	-96	698	-17	-140	-2	-17
OH CINCINNATI	CVG	37	-21	-92	810	-48	-221	-6	-21
OH DAYTON	DAY	9	-42	-95	603	-185	-212	-23	-26
OH TOLEDO	TOL	6	-30	-64	562	30	-99	6	-15
OH YOUNGSTOWN	YNG	9	-21	-69	482	67	-168	16	-26
OK OKLAHOMA CITY	KCC	127	21	13	1538	18	154	1	11
OK TULSA	TUL	115	6	-55	1584	-33	-130	-2	-8
OR ASTORIA	AST	0	0	0	0	0	0	**	**
OR BURNS	BUR	17	-4	16	217	32	102	30	89
OR MEDFORD	MFR	44	1	-5	545	17	18	5	3
OR PENDELTON	PDT	36	-9	-1	534	-78	69	-13	-15
OR PORTLAND	PDX	22	2	13	316	44	46	16	17
OR SALT LAKE	SLE	7	-14	-4	145	-51	-26	-26	-15
PA ALLENTOWN	ABE	2	-12	-40	751	110	-75	17	-9
PA ERIE	ERI	13	-12	-43	516	184	-54	55	-9
PA H									



TROPICAL WEATHER

August 26-27



National Agricultural Summary

August 20 to 26

HIGHLIGHTS: Moderate to heavy showers benefited crops across the central Plains into Missouri, and northward through Minnesota. However, the rest of the Corn Belt had little or no precipitation to replenish the depleted soil moisture. Hot, dry weather returned to the southern Plains, depleting soil moisture and stressing crops. But in the Texas High Plains, showers benefited crops and pastures. Soil moisture continued short to mostly adequate across most of the Nation. Very short supplies caused deterioration of crops and pastures in portions of the northern and southern Plains. Nationwide, farmers had 5-7 days suitable for fieldwork.

Wheat producers had ideal harvesting weather from the Northwest into the northern Plains. Winter wheat combining was 98% complete, slightly ahead of normal. Spring wheat was 83% harvested, compared with the 60% average. Corn was 76% in or past the dough stage and 31% dented. Harvesting has started as far north as Virginia. Soybeans bloomed on 95% of the acreage, and set pods on 81%. Cotton set bolls on 95% of the acreage. Bolls opened on 12% of the acreage, 5 points below the average. Sorghum was 83% headed, and 37% was turning color. Rice was 84% headed, and harvesting reached 23% completion. Harvesting of summer vegetables continued to decline while fall vegetable planting remained active. Peach and early apple variety picking was active in the northern producing areas. Pastures and ranges were rated fair to good, except portions of the Corn Belt and southern and northern Plains conditions were fair to poor. Livestock producers began reducing herd sizes in some of these areas. Livestock continued in fair to mostly good condition.

SMALL GRAINS: Winter wheat combining was 98% finished, and only limited acreage remained for harvest in the Northwest. Plowing for fall seeding was active. Additional moisture was needed for seeding in most areas. However, limited acreage was planted in Mississippi and New Mexico.

Spring wheat combining advanced rapidly to 83% completion, 1 point ahead of last year, but well ahead of the 60% average. Idaho was the only State trailing normal: 38% was harvested, compared with the 42% average. Producers in Montana and North Dakota combined 25% of their acreage during the week, and Minnesota growers harvested 24%.

CORN: Dry conditions caused continued deterioration of corn across portions of the Corn Belt. However, some western areas received substantial precipitation which improved the crop condition. The crop was rated fair to mostly good, except in Missouri, stands were in fair to poor condition. In the 17 major producing States, 76% of the corn was in or past the dough stage, and 31% was in or past the dent stage. A year ago, 79% was in or past the dough stage, and 35% had reached the dent stage. Harvesting became more widespread across the South, reaching 44% in Georgia. Harvesting crept as far north as Virginia, where 1% of the crop had been harvested.

SOYBEANS: Light showers fell across much of the soybean producing area. However, portions of the Corn Belt remained dry. The crop was rated mostly good in the Delta States and Southeast, and fair to good in most of the Corn Belt. In the 18 major producing States, 95% of the crop bloomed and 81% set pods. This compares with last year's 95% blooming and 79% setting pods. Three percent of the crop dropped its leaves in Georgia.

COTTON: Cotton was in fair to mostly good condition. Ninety-five percent of the acreage set bolls, trailing the 97% for both last year and the average. In the 14 major producing States, 12% of the bolls opened, 3 points ahead of last year, but 5 points behind the average. Hot, dry conditions caused some square and boll shedding in Oklahoma and the Low Plains of Texas. Harvesting began on a small scale in the Texas Blacklands, and was complete in the Rio Grande Valley. Harvesting was 9% complete in Texas, 1 point ahead of schedule.

SORGHUM: Sorghum was in fair to mostly good condition. However, hot, dry weather caused some stands to die in central Oklahoma. Heading was complete on 83% of the acreage in the 7 major producing States, 3 points behind the 86% average. Thirty-seven percent of the crop turned color, also 3 points behind normal. Harvesting was 59% complete in Texas, equal to the average.

OTHER CROPS: Rice was in mostly good condition. In the 5 major producing States, 84% of the acreage was headed, 3 points behind last year, but equal to the average. The Texas harvest reached 87%, 1 point behind average. In Louisiana, 52% was harvested. Growers were just starting to harvest in Arkansas and Mississippi.

Tobacco harvesting was active in virtually all producing areas. Ninety percent of the crop was harvested in Georgia. The burley harvest was 12% finished in Kentucky, compared with the 19% average.

Peanuts continued in mostly good condition. Harvesting was getting underway in the Southeast. Dryland fields in south Texas were in critical need of moisture. High Plains peanuts made good growth with sufficient moisture.

VEGETABLES: Summer vegetable harvesting declined seasonally, while fall vegetable planting continued active. Onion harvesting gained momentum in Michigan and New York. Florida producers seeded and transplanted fall crops. Texas producers harvested carrots, cucumbers, cabbage, onions, peppers, and potatoes on the Plains. Land preparation was active in other areas of the State. California growers harvested light to moderate volumes of artichokes, broccoli, cantaloupes, cauliflower, celery, lettuce, and market tomatoes. Tomato harvesting was heavy. Maine potato growers began killing vines.

FRUITS AND NUTS: Northern producers picked peaches and early apple varieties. Florida's citrus growers were in very good condition with adequate moisture. Early blooming fruit was sizing well. Packinghouses tested fruit for early harvesting. Arizona's lemon harvest increased, but still produced only light volumes. Table grape harvesting slowed in some areas of California, while shipments of grapes to wineries increased. Raisin grape growers prepared for harvest, some grapes were already on trays. Growers continued harvesting a wide variety of fruit crops. Almond harvesting increased.

PASTURES AND LIVESTOCK: Limited rainfall caused fair to poor pasture and range conditions in portions of the northern and southern Plains and the Corn Belt. Elsewhere, conditions were fair to good. Stockwater supplies continued short in Montana. Livestock producers continued culling herds because of the limited feed available in some areas of the Plains. Baling of milo stocks increased in Texas to supplement limited hay supplies. Showers caused deterioration of cut hay in many areas of the Nation.

CROP PROGRESS

FOR WEEK ENDING AUG 26

**SPRING WHEAT
% HARVESTED**

	1984	1983	AVG.
IDAHO	38	19	42
MINN	91	91	66
MONT	80	75	45
N D	82	81	55
S DAK	94	100	95
5 STATES	83	82	60

THESE 5 STATES PRODUCED 94% OF THE 1983 SPRING WHEAT CROP.

**WINTER WHEAT
% HARVESTED**

	1984	1983	AVG.
CALIF	100	100	100
COLO	96	96	97
IDAHO	59	52	62
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MO	100	100	100
MONT	95	90	80
NEBR	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	88	100	93
S DAK	100	100	100
TEX	100	100	100
WASH	90	92	88
15 STATES	98	98	97

**CORN
% DOUGH**

	1984	1983	AVG.
COLO	66	61	59
GA	100	100	100
ILL	82	88	89
IND	90	90	85
IOWA	70	72	71
KANS	85	70	80
KY	84	78	87
MICH	75	75	80
MINN	64	71	59
MO	88	90	85
NEBR	85	80	70
N C	94	94	96
OHIO	80	90	80
PA	55	70	69
S DAK	56	64	67
VA	84	87	88
WIS	60	65	63
17 STATES	76	79	76

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

**CORN
% DENT**

	1984	1983	AVG.
COLO	25	15	19
GA	97	99	99
ILL	42	50	54
IND	25	20	40
IOWA	31	39	34
KANS	35	20	35
KY	44	34	54
MICH	10	11	16
MINN	19	24	18
MO	60	64	61
NEBR	20	20	20
N C	85	88	88
OHIO	20	30	35
PA	11	15	18
S DAK	22	24	26
VA	61	67	68
WIS	20	30	23
17 STATES	31	35	37

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

**SORGHUM
% HEADED**

	1984	1983	AVG.
COLO	77	84	79
KANS	75	70	75
MO	90	83	83
NEBR	85	94	98
OKLA	95	85	85
S DAK	81	79	85
TEX	87	91	94
7 STATES	83	83	86

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

**SORGHUM
% COLORING**

	1984	1983	AVG.
COLO	17	23	12
KANS	15	10	15
MO	52	45	45
NEBR	8	25	25
OKLA	40	35	45
S DAK	25	30	26
TEX	68	71	73
7 STATES	37	38	40

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

**RICE
% HEADED**

	1984	1983	AVG.
ARK	71	80	81
CALIF	90	55	69
LA	95	86	92
MISS	88	84	86
TEX	100	100	100
5 STATES	84	81	84

THESE 5 STATES PRODUCED 98% OF THE 1983 RICE CROP.

**RICE
% HARVESTED**

	1984	1983	AVG.
ARK	1	1	3
CALIF	0	0	0
LA	52	31	54
MISS	2	1	3
TEX	87	63	88
5 STATES	23	16	25

THESE 5 STATES PRODUCED 98% OF THE 1983 RICE CROP.

**SOYBEANS
% BLOOMING**

	1984	1983	AVG.
ALA	88	90	92
ARK	80	83	82
GA	93	95	96
ILL	100	100	100
IND	100	100	100
IOWA	100	100	100
KANS	98	95	90
KY	84	84	85
LA	97	88	94
MICH	100	100	100
MINN	99	99	99
MISS	93	88	97
MO	90	92	84
NEBR	100	100	100
N C	86	81	81
OHIO	100	99	99
S C	88	87	91
TENN	92	95	98
18 STATES	95	95	95

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

**SOYBEANS
% SETTING PODS**

	1984	1983	AVG.
ALA	67	63	76
ARK	55	56	57
GA	80	74	78
ILL	95	95	93
IND	90	90	90
IOWA	95	97	96
KANS	75	65	70
KY	47	36	56
LA	87	68	77
MICH	90	90	93
MINN	96	97	96
MISS	62	45	69
MO	73	73	69
NEBR	90	100	98
N C	59	43	54
OHIO	95	90	90
S C	58	52	64
TENN	52	68	72
18 STATES	81	79	82

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

**COTTON
% SETTING BOLLS**

	1984	1983	AVG.
ALA	100	97	97
ARIZ	100	100	100
ARK	100	100	100
CALIF	100	98	97
GA	99	100	100
LA	100	96	99
MISS	97	99	100
MO	100	100	100
N MEX	100	96	99
N C	99	89	95
OKLA	90	90	85
S C	100	100	100
TENN	98	98	96
TEX	92	97	96
14 STATES	95	97	97

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

**COTTON
% BOLLS OPENING**

	1984	1983	AVG.
ALA	10	7	13
ARIZ	50	35	35
ARK	5	9	11
CALIF	20	5	13
GA	15	18	29
LA	4	3	17
MISS	4	7	25
MO	9	4	17
N MEX	10	1	5
N C	7	14	16
OKLA	0	0	0
S C	2	46	34
TENN	5	17	9
TEX	12	8	17
14 STATES	12	9	17

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

State Summaries of Weather and Agriculture

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

ALABAMA: Temperatures average 1 to 30 below normal. Rainfall scattered 0.00 to 3.11 in.

Soil moisture adequate over most of the State. Fieldwork: 5.5 days. Corn mature 80%, 68% 1983, 82% average. Corn harvested 24%, 28% 1983, 38% average. Soybeans blooming 88%, 90% 1983, 92% average. Soybeans setting pods 67%, 63% 1983, 76% average. Cotton setting bolls 100%, 97% 1983, 97% average. Cotton bolls open 10%, 7% 1983, 13% average. Sorghum harvested 8%, 9% 1983. Activities: Harvesting corn, sorghum, and vegetables; peach harvest nearing completion; cutting hay and silage; pest control in field crops; and routine care of livestock and poultry. Conditions: Corn mostly good, cotton, soybeans, peanuts, sorghum, pasture, and livestock good.

ALASKA: Moist southwest flow combined with late week passage of remnants of Typhoon Holly kept north and south valleys wet and cool. Cold arctic air swept in on weekend producing fair, drier weather.

Rain, cooler temperatures delayed harvest, most areas, Railbelt. Up to 3.0 days suitable, drier field conditions needed. Majority of barley for grain turned color, small % ripe. Prospects generally average. Wind and rain damage light to severe. Light to moderate frost, Tanana and Matanuska Valleys, 26th and 27th. Vegetable harvest continues. Potato harvest slowed by inclement weather and size; prospects mostly average to above. Soil moisture supplies adequate to surplus.

ARIZONA: Monsoon continued with high humidities, thundershowers. All sections received some rain, greatest concentration over central basins, Mogollon Rim, White Mountains, with amounts of 1.00 to 2.25 in. Elsewhere amounts mostly 0.25 to 1.00 in. Maximum temperatures 2 to 8° below seasonal normals. Average temperatures varied 6° below normal to 1° above.

Cotton 50% open bolls, 35% last year and average. Cotton average to above average condition. Insect populations increasing, growers applying insecticides to control both boll worms, bud worms, growers applying insecticides to control both boll worms, bud worms. Boll rot a problem some growers. Rain hampered alfalfa harvest, limited quantity of top quality hay. Market steady, moderate to active trading. Growers stacking much of best quality hay. Corn, sorghum good condition. Earlier plantings of sorghum heading, turning color; corn tasseling, developing ears. Lemon harvest light with increased picking, packing expected to "pick-up" by 31st. Watermelons shipped Salt River Valley, Willcox areas. Apple packing active Willcox area; hot, bell peppers shipped Douglas area. Fall lettuce planting full swing, preparations for planting other fall vegetables active.

ARKANSAS: Temperatures at or up to 40 below normal with widely scattered thundershowers last week. High 98°, low 48°. Most rainfall 3.94 in. to no rain at two stations. Many locations received less than 0.25 in.

Soil moisture adequate south half of State, short north and west. Days favorable for fieldwork: 5.7. Crop progress moderate. Rice good condition; headed 71%, 80% 1983, 81%

average; ripe 6%, 7% 1983, 14% average; harvested 1%, 1% 1983, 3% average. Cotton good condition; open bolls 5%, 9% 1983, 11% average; none harvested, same as 1983 and average. Soybeans good; blooming 80%, 83% 1983, 82% normal; setting pods 55%, 56% 1983, 57% average; shedding none, 3% 1983 and average. Corn good condition; harvested 14%, 15% 1983, 19% average. Sorghum rated good; harvested 2%, 20% 1983, 12% normal. Pastures good south, below average north and west. Livestock good condition, some hay feeding necessary northwest.

CALIFORNIA: Weekly mean temperatures were above normal except for a little below normal southeast interior and Cascade-Sierra. Cloud cover over the desert and the Sierra served to moderate daytime temperatures. The south cast was the warmest and the San Joaquin Valley nearly was warm. Shower activity also served to hold down the daytime temperatures. One hundred plus high temperatures were recorded only in the central valley and southeast interior. The northeast corn flirted with temperatures near the freezing mark.

Rice fields draining, preparing for harvest; 90% headed, 55% last year, 69% average. None harvested. Heavy weeds some fields. Early sugarbeets harvested, last fields progressing. Cotton doing well, sprayed for mites, armyworms. Bottom bolls opening; 20% opening bolls, 5% last year, 13% average. Southern State reports wind, rain damage. Field corn, blackeyes drying, sorghum heading, San Joaquin Valley. Silage corn harvested. Alfalfa seed harvesting, hay cutting in progress statewide. Most safflower ready for harvest, just beginning. Winter wheat 100% harvested, 100% last year, 100% average. Apple harvest continues. Coachella Valley date crop maturing, some rain related damage reported. Growers rapidly apply insecticides and fungicides. Table grape harvest continues, slowing some areas. Shipments grapes wineries continue increase. Raisin grape growers preparing vineyards for harvest, sloping ground between rows. Some grape already on trays. Kiwifruit sizing well. Stone fruit harvest continues. Clingstone peach harvest, late varieties continues, reports of Oriental Fruit Moth damage extra late varieties. Bartlett pear crop 90% harvested. Pomegranates being packed, light volume. Prune harvest full swing, excellent sugar. Almond harvest activity increasing. Walnuts still treated for Husk Fly. Artichokes seasonally light supply. Broccoli moderate supply central coast. Cantaloupe harvest slowing San Joaquin Valley. Cauliflower light supply central coast. Celery fairly light supply. Lettuce moderate supply central coast. Fall plantings San Joaquin Valley invaded by Horned Larks. Fall potato growers rolling vines or applying desiccants on Norgolds. Market tomato volume moderate. Processing tomato volume heavy but below peak weeks. Mountain ranges, pastures continue provide good feed. Lower elevations dry with high fire danger. Supplemental feeding active some areas.

COLORADO: An influencing air mass brought an average of 1.00 in. or precipitation to the river basins, with a maximum of 4.00 in. Temperatures within 2° of normal.

Small grain harvest was slowed due to heavy rain; winter wheat harvest 96% complete, 1983 96%, average 97%. Corn progressing beyond normal, 66% at dough stage; 1983 61%, average 59%; denting 25%, 1983 15%, average 19%. Sorghum heading at 77%, 1983 84%, average 79%; 17% turning color, 1983 25%, average 12%. Second cutting alfalfa 73% complete, 1983 71%, average 78%. Third cutting at 23%, 1983 19%, average 26%. Barley harvest 61% complete, 1983 62%, average 64%. Spring wheat harvest at 18%, 1983 19%, average 33%. Summer potato harvest at 45%, 1983 26%, average 25%; 8% of dry beans cut, 1983 0%, average 3%. Onion harvest at 8%, 1983 12%, average 11%. Farmers averaged 4.4 days of fieldwork.

FLORIDA: Rather wet early week followed by normal, scattered afternoon, evening showers, thunderstorms. Daily rainfall amounts varied. Some spots received over 1.00 in. Heavy downpour occurred. Fort Lauderdale Beach area, 21st. Temperatures averaged 1 to 20 below normal north, central; near normal or slightly above, south.

Soil moisture adequate statewide with surplus in low areas. Corn harvest continues but harvest complete early planted corn. Soybeans good condition but Frogeye Leaf Spot showing up in new areas. Peanuts good condition, harvest beginning. Cotton fair to good condition. Tobacco harvest virtually complete. Hay making active, weather permitting. Sugarcane making good growth. Pasture conditions continued mostly good to excellent in a few northern and Panhandle localities. Grass plentiful; moisture adequate. Cattle condition remained generally good. Commercial citrus groves very good condition. Good moisture levels most areas. Much new growth. Early bloom fruit sizing and maturing well. Packing houses testing fruit for early harvest. Partly cloudy skies, hot days, warm nights with afternoon thunderstorms continued, vegetable areas. Land preparation, laying plastic very active. Celery, eggplant, peppers, tomato plantings continued to gain. Squash, cabbage planting underway. Sweet corn seeding continues, Everglades. Snap beans planting expected to start early September.

GEORGIA: Temperatures averaged 1 to 30 below normal. Highest temperature 94° at Macon on 26th. Lowest 34° at Blairsville on 24th and 25th mornings. Rainfall totals for week mostly under 1.00 in. with local totals of 3.00 in. Heavier rain amounts more concentrated over southern one third of State.

Soil moisture 3% surplus, 69% adequate, 27% short. Average days suitable for fieldwork: 5.2. Main field activities haying, weed, insect and disease control. Corn dent 97%, 99% last year and average; mature 92% this year and last, average 96%, harvested 44%, 43% last year, average 55%; condition 7% excellent, 62% good, 25% fair, 6% poor. Cotton 99% setting bolls, 100% last year and average, bolls open 15%, 18% last year, average 29%; condition 6% excellent, 77% good, 17% fair. Soybeans 93% blooming, 95% last year, average 96%; 80% setting pods, 74% last year, average 78%, 3% dropping leaves, 13% last year, average 8%; condition 8% excellent, 76% good, 13% fair. Peanuts 2% dug this year, last year and average; condition 10% excellent, 78% good, 10% fair. Tobacco 90% harvested this year and last, average 92%; condition 4% excellent, 64% good, 32% fair. Watermelons 98% harvested this year and last, average 99%. Peaches 99% picked, 100% last year and average. Apples 52% picked, 54% last year, average 58%; condition 14% excellent, 58% good, 25% fair.

Pecans 8% excellent, 69% good and 21% fair. Hay 5% excellent, 81% good; 13% fair. Pasture 6% excellent, 80% good, 73% fair. Cattle 87% good, 10% fair. Hogs 84% good, 12% fair.

HAWAII: Unstable weather conditions produced sunny skies in most parts of the State and showery weather in other sections. Two tropical storms bypassed the State during the week, but trade winds blew the remnants of one into the southern end of the Island Chain. As a result, Hawaii Island, and the windward areas of most islands, experienced light to heavy showers. Shower activity was heavy enough to occasionally hamper harvesting and fieldwork. Temperatures cooled somewhat as the week progressed after setting a record high of 92° on 19th.

Most crops in fair to good condition. Irrigation continues at a heavy rate. Chinese cabbage production expected to remain steady. Head cabbage output will be moderate for the next two weeks. Head lettuce supplies anticipated to decrease slightly next week. Papaya production increasing to a seasonal peak that is expected to occur in mid-September.

IDAHO: A moist southwesterly flow of air brought thundershowers to the southern portion of the State. Rainfall amounts ranged from slightly above normal to 0.05 in. above normal in the south. The north received between 0.10 and 0.40 in. below normal rainfall. Temperatures remained normal to slightly above normal statewide.

Small grain harvest continued to progress well as 6.3 days were suitable for fieldwork. Winter wheat advanced to 59% harvested compared to 52% last year and 62% average. Spring wheat was 38% harvested versus 19% in 1983 and 42% average. Spring barley rose to 32% harvested compared to 26% a year ago and 42% average. The second cutting of alfalfa hay reached 76% harvested versus 62% in 1983 and 78% average. Potatoes were turning color on 28% of the crop compared to 48% last year. The dry pea harvest was 81% complete compared to 66% a year ago and 76% average. Sweet corn for processing was nearly 50% harvested versus 20% in 1983 and 40% average. Dry bean harvest was just underway with less than 1% of the crop in.

ILLINOIS: Temperatures normal to 50 below normal. Precipitation: none to 1.20 in.

Soil moisture 15% adequate, 85% short. Corn in dough 82%, last year 88%, average 89%; dented 42%, last year 50%, average 54%. Corn condition 2% excellent, 65% good, 30% fair, 3% poor. Soybeans blooming 100%, last year 100%, average 100%; setting pods 95%, last year 95%, average 93%; turning yellow 5%, last year 8%, average 8%. Soybean condition 1% excellent, 62% good, 33% fair, 4% poor. Alfalfa third crop cut 67%, last year 59%, average 59%. Alfalfa condition 7% excellent, 60% good, 27% fair, 6% poor. Pasture condition 1% excellent, 23% good, 51% fair, 23% poor, 2% failure. Days suitable for fieldwork: 6.3.

INDIANA: Temperature mild with highs 77 to 82°. Temperatures near normal north but as much as 5° below north south. Lows in 50's were 2 to 6° below normal. Rainfall from 0.00 in. in part of north to 0.79 in. in south. Totals 0.30 to 0.70 in. below normal. Growing degree days 10 to 20 below normal.

Fieldwork averaged 5.7 days. Topsoil moisture mostly short. Subsoil moisture short to adequate. Corn condition fair to good. Corn 90% in dough, 1983 90%, average 85%, corn 25%

dented, 1983 20%, average 40%. Soybeans 100% blooming, 1983 100%, average 100%. Soybeans 90% setting pods, 1983 90%, average 90%. Soybeans 3% turning yellow, 1983 15%, average 5%. Tobacco 5% harvested, 1983 2%, average 7%. Wheat 100% harvested, 1983 100%, average 100%. Silos 10% filled, 1983 9%, average 7%. Peaches 60% picked, 1983 70%. Pastures fair condition.

IOWA: Another dry week. Southwest third of the State received 1.00 in. rainfall.

Days suitable for fieldwork: 6.3. Corn crop condition 15% excellent, 60% good, 22% fair, 3% poor to very poor. Corn acreage in or past milk stage 96% complete, 94% last year, 95% normal. Corn acreage in dough stage 70% complete, 72% last year, 71% normal. Corn acreage in dent stage 31% complete, 39% last year, 34% normal. Soybean crop condition 8% excellent, 62% good, 28% fair, 2% poor to very poor. Soybean acreage setting pods 95% complete, last year 97%, normal 96%. Third crop alfalfa 40% complete, 45% last year, 49% normal. Second crop clover hay harvested 90% complete, 91% last year, 93% normal. Hay crop condition 12% excellent, 48% good, 33% fair, 7% poor to very poor. Topsoil moisture conditions 13% adequate, 87% short. Subsoil moisture conditions 61% adequate, 39% short. Livestock mostly good condition. Pasture conditions 5% excellent, 19% good, 45% fair, 28% poor, 3% very poor.

KANSAS: Precipitation averaged less than 0.10 in. southwest, 0.40 to 0.60 in. northeast and south central and 1.00 to 1.50 in. elsewhere. Temperatures averaged 75° northwest and east central and 80° southwest and south central. These were 1 to 3° above normal west and south central and normal to 2° below normal east and north central.

Wheat 100% harvested, 100% last year, 100% average. Sorghum 75% headed, 70% last year, 75% average. Sorghum 15% turning color, 10% last year, 15% average. Greenbugs, moderate levels. Corn 85% dough, 70% last year, 80% average. Corn 35% dent, 20% last year, 35% average. European corn borer, moderate levels. Second generation northeast district. Mites in corn, moderate levels. Soybeans 98% blooming, 95% last year, 90% average. Soybeans 75% setting pods, 65% last year, 70% average. Topsoil moisture mostly short, subsoil short except western third. Pasture and rangeland very poor to excellent. Days suitable for fieldwork: 6.0.

KENTUCKY: Temperatures averaged 2 to 5° below normal. Highest temperatures around 90° with lows in 50's. Precipitation occurred mainly midweek. Amounts varied averaging 0.25 to 0.50 in. with far west driest.

Soil moisture 67% short, 33% adequate. Days suitable: 5.3. Corn 84% dough or beyond, 78% last year, 87% average, 44% dented, 34% year ago, average 54%. Soybeans 84% blooming or beyond, same last year, 85% average, 47% setting pods, 36% year ago, average 56%. Tobacco mostly good. Burley 84% topped, 43% last year. Cutting 12% complete, 7% last year, average 19%. Dark tobacco 11% cut, 5% year ago. Pastures fading. Sorghum good.

LOUISIANA: Rainfall generally light west, heavy east, with amounts ranging from none to 4.92 in. Temperatures averaged between 1° below normal to 2° above normal. High 102°, low 61°.

Soil moisture adequate. Days suitable for fieldwork: 4.3. Activities included insecticide application; fall and sugarcane planting; and harvesting hay, rice, corn, sorghum, sweetpotatoes, and vegetables. Rice headed 95% 1984, 86% 1983, 92% average; ripe 62% 1984, 54%

1983, 67% average; harvested 52% 1984, 31% 1983, 54% average; condition good. Corn mature 95% 1984, 92% 1983, 93% average; harvested 53% 1984, 40% 1983, 50% average; condition good. Cotton open bolls 4% 1984, 3% 1983, 17% average; condition good. Soybean blooming 97% 1984, 88% 1983, 94% average; setting pods 87% 1984, 68% 1983, 77% average; leaves turning color 5% 1984, 3% 1983, 6% average; condition good. Sorghum turning color 92% 1984, 80% 1983, 84% average; ripe 59% 1984, 46% 1983, 58% average; harvested 36% 1984, 23% 1983, 30% average; condition good. Sweetpotatoes harvested 19% 1984, 18% 1983, 24% average; condition fair to good. Sugarcane planting 3% 1984, 6% 1983, 7% average; condition fair to good. Vegetable condition fair to good. Hay final cutting 36% 1984, 22% 1983, 20% average. Pasture condition fair to good. Livestock condition good.

MARYLAND AND DELAWARE: Maryland: Temperatures averaged 3° below normal. Rainfall averaged 0.47 in.

Days suitable for fieldwork, 6.1 days. Topsoil and subsoil moisture remain adequate. Corn condition good. Corn 100% silked, 1983 95%, average 98%. Corn in dough 85%, 1983 75%, average 80%. Corn in dent 24%, 1983 30%, average 50%. Soybeans in good condition. Soybeans 85% in bloom, 1983 90%, average 90%. Soybeans 55% podded, 1983 70%, average 70%. Tobacco 80% bloomed and 50% topped. Tobacco 30% harvested, 1983 25%, average 50%. Harvest of major vegetables 85% complete. Apple harvest has begun.

Delaware: Temperatures averaged 4° below normal. Rainfall averaged 0.42 in.

Days suitable for fieldwork: 6.5 days. Topsoil and subsoil moisture short. Corn condition good. Corn 100% silked, 1983 100%, average 100%. Corn in dough 80%, 1983 60%, average 80%. Corn in dent 60%, 1983 30%, average 55%. Soybeans in fair condition. Soybeans 85% in bloom, 1983 75%, average 80%. Soybeans 70% podded, 1983 50%, average 55%. Harvest of major vegetables 75% complete.

MICHIGAN: Precipitation was light to moderate statewide. Mean temperatures were in the lower to mid 60's. Maximum temperatures were mainly in the 80's while the minimum temperatures were in the 40's and 50's with a few areas falling into the 30's.

Statewide 6.0 days suitable for fieldwork. Corn 75% in dough, 75% last year, 80% average. Corn 10% dented, 11% last year, 16% average. Oats 90% harvested, 90% last year, 87% average. Soybeans 90% setting pods, 90% last year, 93% average. Soybeans 100% blooming, 100% last year, 100% average. Dry beans 90% setting pods, 95% last year, 97% average. Dry beans 20% turning color, 30% last year, 54% average. Second cut hay virtually finished, third cut 20% complete, 20% last year, 16% average. Harvesting of cucumbers, tomatoes, sweet corn and dry onions continued.

MINNESOTA: The week began with scattered showers associated with a cold front. Midweek remained cool but dry. End of week saw scattered thunderstorms and warmer temperatures. Temperatures averaged 2° below normal to 4° above normal. High: 93°, low: 39°. Precipitation averaged from 1.02 in. above normal to 0.78 in. below normal. Greatest weekly total: 4.42 in.

Showers and cooler temperatures provided relief from very dry topsoil conditions in many areas. Additional rain was still needed by corn and soybeans for better filling of ears and

Pods. Harvest conditions continued excellent for small grains; progress was comparable to last year, about 2 weeks ahead of normal. Days suitable for fieldwork: 5.4. Topsoil moisture: 16% very short, 34% short, 50% adequate. Field corn: In milk 96%, 1983 97%, normal 95%, in dough 64%, 1983 71%, normal 59%; denting 19%, 1983 24%, normal 18%, condition 8% poor. 37% fair, 42% good, 13% excellent. Soybeans: Setting pods 96%, 1983 97%, normal 97%; turning yellow 4%, 1983 5%, normal 7%; condition 6% poor, 34% fair, 47% good, 13% excellent. Spring wheat harvested 91%, 1983 91%, normal 66%. Oats harvested 97%, 1983 94%, normal 82%. Barley harvested 97%, 1983 97%, normal 84%. Sunflowers blooming 95%, 1983 97%, normal 97%.

MISSISSIPPI: Temperatures 1 to 20 below normal, extremes 53 and 96°. Rainfall averaged from 0.10 to 2.40 in.

Soil moisture adequate. Fieldwork 4.7 days suitable, 6.2 1983, 5.8 average. Main activities controlling insects and preparing for harvest. Cotton condition fair; 97% setting bolls, 99% 1983, 100% average; 4% open bolls, 7% 1983, 25% average. Soybean condition good; 93% blooming, 88% 1983, 97% average; 62% podding, 45% 1983, 69% average. Rice condition fair; 88% headed, 84% 1983, 86% average; 2% harvested, 1% 1983, 3% average. Sorghum condition good to fair; 42% mature, 40% 1983, 3% harvested, 11% 1983, 8% average. Corn good to fair; 94% denting, 95% 1983; 53% mature, 57% 1983, 12% harvested, 12% 1983, 11% average. Winter wheat planting just starting with less than 1% of acreage planted. Pasture condition fair to good. Hay 70% harvested, 81% 1983, 80% average. Watermelons 81% harvested; sorghum silage 44%; corn silage 50%; peaches 92%; peanuts 24%. Sweetpotatoes 11% harvested, 8% 1983, 9% average.

MISSOURI: Temperatures averaged 20 below normal while rainfall continues to be a problem. Rainfall totals were less than 0.25 in. over most areas in the State.

Days suitable for fieldwork: 6.2. Soybeans blooming or beyond 90%, 92% last year, 84% normal. Soybeans setting pods 73%, 73% last year and 69% normal. Condition of soybeans 15% good, 61% fair, 24% poor. Corn 88% in dough stage, 90% last year, 85% normal. Corn 60% in dent stage, 64% last year, 61% normal. Corn mature 8%, 19% last year, 18% normal. Condition 16% good, 50% fair, 34% poor. Grain sorghum headed 90%, 83% last year, 83% normal. Sorghum matured 15%, 12% last year, 17% normal. Condition 30% good, 61% fair, 9% poor. Cotton with bolls opening 9%, 4% last year, 17% normal. Condition 44% good, 56% fair, 0% poor. Alfalfa hay 3rd cutting 69%, 64% last year, 71% normal. Condition of pasture 0% good, 23% fair, 77% poor. Topsoil moisture supply 0% surplus, 2% adequate, 98% short.

MONTANA: Temperatures averaged 4 to 70 above normal with greatest departures over northeast and southeast. Most precipitation fell over southwest with 0.40 to over 1.00 in., in that area. Remainder of State mostly dry.

Soil moisture short. Fieldwork, days suitable 6.7. Crops ripe or beyond compared with last year and average: Winter wheat harvested 95, 90, 80; spring wheat ripe 95, 95, 80; spring wheat harvested 80, 75, 45; barley ripe 95, 90, 80; barley harvested 75, 70, 45; oats ripe 95, 90, 80; oats harvested 75, 75, 55. Sugarbeets, corn and dry beans in good to excellent condition. Second cutting of alfalfa hay 75% complete, last year 70%, average 60%. Stock water supplies short except in south central and west.

Prospective hay and forage supplies for winter short except in south and west.

NEBRASKA: Average temperatures ranged from 50 above normal Panhandle to 20 below normal east. Heavy rains beginning of week in central and northeast of 2.00 to 3.00 in. Remainder of State had scattered showers.

Irrigated corn condition rated mostly good to excellent, while non-irrigated corn rated mostly fair to good; 85% reached the dough stage, 80% last year, 70% average. Corn denting was 20%, 20% last year and average. Sorghum condition rated mostly fair to good; 85% had headed, 94% last year, 98% average. Sorghum turning color was 8%, 25% both last year and average. Soybean condition rated fair to good. Blooming 100%, 100% last year and average. Soybeans setting pods 90%, 100% last year and 98% average. Soybeans turning color 3%, 3% last year and 6% average. Winter wheat was 100% harvested this year, last year and average. Topsoil moisture was mostly short to adequate. Subsoil moisture was mostly short to adequate. Days suitable for fieldwork were 5.7.

NEVADA: Like preceding week, temperatures averaged above normal most areas. Departure from normal greatest extreme south where temperatures 40 below normal. Thunderstorm activity dominated weather picture south with some flooding due heavy rains. Hail reported some areas. South central and eastern sections had scattered thundershowers throughout week. Northwest had mostly fair skies but some lightning. Storms set off range fires.

Showers again hampered harvesting operations. Melon harvest gaining momentum.

NEW ENGLAND: Sunny, relatively dry week. Temperatures slightly above normal east and central Maine and northeastern Mass.; elsewhere, slightly below normal. Most precipitation fell over northern New England; general 0.20 to 0.50 in., with a few areas 0.90 in.

Soil moisture conditions rated short to adequate; grazing availability, adequate. An average of 6.0 days suitable for fieldwork. Potato topkilling in Maine. Rhode Island potatoes 25% dug, condition good to excellent. Second crop hay 80% cut, third crop, 30% cut. Field corn condition variable, mostly fair to good. Sweet corn 65% picked. Tobacco 75% harvested. Early apple harvest underway.

NEW JERSEY: Temperatures averaged 20 below normal. Extremes were 430 on the 21st and 890 on the 23rd. Weekly rainfall averaged 0.49 in. north, 0.25 in. central and 0.06 in. south. The heaviest 24-hour total was 0.77 in. on the 23rd and 24th. Estimated soil moisture, in percent of field capacity, averaged 78% north, 56% central and 49% south.

Fieldwork: 5.5 days suitable. Topsoil moisture becoming short around the State. Rainfall consisted of scattered showers in recent weeks. Late summer vegetable harvest active. Irish potato harvest increasing. Blueberry harvest complete. Harvest of late season peaches beginning. Fall variety apples developing well. Hay making active. Harvest of corn for silage beginning. Soybean and field corn prospects excellent in most areas. Pastures browning in many areas.

NEW MEXICO: Average temperatures slightly below normal central, western sections. Minimum temperature: 430 northern plateau and western mountains. Maximum temperature: 960 southeastern plains. Thundershowers most numerous over northeast plains and west side of

central mountain chain. Weekly rainfall total 0.50 to 1.50 in. most locations 2.00 to 3.00 few locations.

Soil moisture supplies short to adequate. Alfalfa fair to good condition: third and fourth cuttings continued but slowed by rains. Cotton fair to good. Some open bolls reported. Corn good to excellent: most in dough stage. Wheat seeding expected to start this week. Irrigated, dryland grain sorghum fair to good; mostly headed pecans good condition with average drop. Chile fair to good; green chile harvest continues. Lettuce planted acreage low due to rains. Onion harvest virtually complete. Cattle, sheep fair to good. Range in fair to good condition. Cotton setting bolls: 100%, last year 96%. average 99%; open bolls 10%, last year 1%, average 5%.

NEW YORK: Temperatures were below normal, with overnight lows in the 30's in the northern mountain areas. Temperatures averaged in the 60's throughout the State, except in the New York City area, where it averaged around 70°. Precipitation was at or above normal, with locally heavy amounts and scattered thunderstorms, except in the New York City and Long Island area, where rain was well below normal.

Corn maturity has been slowed somewhat by the cool weather. Oat harvest is 55% complete, compared with 66% last year and the average of 73%. Second cut alfalfa 78% complete, behind the 91% a year ago and the 84% average. Third cut alfalfa also behind normal, with 16% done, compared with 24% last year and the average of 23%. Early potatoes being harvested for fresh market. Harvest of early onions has begun in Orange County. Sweet corn harvest continues with good quality. The apple crop in good condition with gains in size and color made. Harvesting of Tydeman and Jersey mac apples underway. Half of the peach crop has been harvested and pear harvest has begun.

NORTH CAROLINA: Temperatures were 2 to 50 below normal. Precipitation was mostly light and ranged from none to 4.02 in.

Soil moisture: 2% very short, 12% short, 81% adequate, 5% surplus. Days suitable for fieldwork: 5.8. Condition: Tobacco 17% fair, 78% good, 5% excellent. Corn 7% fair, 77% good, 16% excellent. Cotton 11% fair, 85% good, 4% excellent. Peanuts 21% fair, 79% good. Soybeans 4% fair, 88% good, 8% excellent. Sweetpotatoes: 16% fair, 84% good. Apples 5% fair, 89% good, 6% excellent. Sorghum 5% fair, 89% good, 6% excellent. Phenological stages: Cotton setting bolls: 99%, 1983 89%, 95% average. Cotton open bolls: 7%, 1983 14%, 16% average. Corn soft-dough: 94%, 1983 94%, 96% average. Corn dent: 85%, 1983 88%, 88% average. Corn mature: 56%, 1983 59%, 65% average. Soybeans blooming: 86%, 1983 81%, average 81%. Soybeans setting pods: 59%, 1983 43%, 54% average. Harvest: Flue-cured tobacco: 67%, 1983 56%, 70% average. Corn for silage 26%, 1983 43%, 43% average. Major farm activities: Flue-cured tobacco harvest and marketing, haying, corn silage harvest spraying soybeans and peanuts, harvesting vegetables and apples, planting fall vegetables and general farm maintenance.

NORTH DAKOTA: Warm and dry weather prevailed. Temperatures averaged from 20 below normal southeast to 50 above normal northwest. Temperatures extremes ranged from 101° on the 25th to 34° on the 22nd and 23rd. Rainfall was very spotty. Least amount of rainfall occurred in the northwest where less than 0.10

in. fell. The most rainfall occurred in the southeast where over 0.10 in. fell. The most rainfall occurred in the southeast where over 0.60 in. fell. Rainfall amounts ranged from none at several locations to 1.27 in. at Dickinson and 1.78 in. at Lidgerwood.

Excellent harvest weather allowing small grain harvests to be wrapped up in record or near-record time. The percent combined through August 26 compared to last year's record early harvest and the average was: Hard red spring wheat 82, 81, 55; durum 75, 66, 41; and oats 87, 88, 67. Prolonged dry weather continues to harm row crops. Ninety-seven percent of State short or very short of topsoil moisture; 93% short or very short on subsoil moisture. Light rain received major potato and soybean growing areas. Harvest began on flax with 33% swathed or combined versus 20% average. Pastures remain dormant; cattlemen cutting back on herd sizes. Percent of each crop in very good, good, fair and poor condition was: Corn 0, 36, 58, 6; sunflower 0, 27, 65, 8; soybeans 31, 61, 8, 0; potatoes 0, 50, 50, 0; and dry beans 0, 40, 59, 1.

OHIO: Temperatures well below normal. Highs mid 70's to low 80's, lows upper 40's to mid-50's. Precipitation slight. Range from 0.10 in. in northwest to 0.50 in. most other areas. Base 50 growing degree day accumulations 100 to 130.

Topsoil moisture 30% short, 70% adequate: 5.5 days suitable for fieldwork. Main activities combining oats, cutting weeds, baling hay and straw. Corn in dough 80% 1984, 90% 1983, 80% average; dent 20% 1984, 30% 1983, 35% average; crop condition good. Soybeans blooming 100% 1984, 99% 1983, 99% average; setting pods 95% 1984, 90% 1983, 90% average; bean leaf beetle appearing; crop condition fair to good. Winter wheat harvested 100% 1984, 1983, average. Pasture condition fair to good.

OKLAHOMA: Temperatures averaged 10 above normal north to 40 above normal south. Precipitation averaged 0.02 in. north central to 0.47 in. southeast.

Scattered showers alleviated stress in parts of east but extremely dry conditions prevail. Hot, arid weather caused cotton to shed large bolls. Sorghum drying central. Livestock marketings and prices near average. Fall rains and sufficient wheat pastures need to retain normal herd numbers. Sorghum and livestock good to fair, cotton and pastures fair condition. Sorghum headed; 95%, 85% 1983, 85% average. Sorghum coloring: 40%, 35% 1983, 45% average. Cotton setting bolls, 90%, 90% 1983, 85% average. Cotton open bolls: 1%, 0% 1983, 2% average.

OREGON: Only slight precipitation at coast and northeastern areas. Temperatures were 2 to 40 above normal in all areas.

Winter wheat now 88% harvested, less than last year's 100% and the average of 93%. Yields good in most areas. Preparation of summer fallow fields of fall seeding. Haying continues. Mint harvest nearing completion. In the west, sugarbeet seed harvest underway; hops and red clover to be harvested beginning this week. Lower Hood River Valley Bartlett pear harvest underway. Apple maggot spraying in this region. Cherry harvest near complete in Union County. Willamette Valley Gravenstein apple harvest underway. Evergreen blackberry harvest in full swing; late blueberry picking continues. Post harvest training and spraying on other caneberrries. Bartlett pear harvest being wrapped up in the southwest, peach harvest

beginning. Potato harvest in Malheur County. Both regions report low yields due to small sizing. Klamath County potatoes look good, digging to begin next week. Willamette Valley sweet corn harvest started, two weeks behind normal. Beans, broccoli, cauliflower and cucumbers still being harvested. Ranges and pastures in fair condition west of Cascades, in good condition east.

PENNSYLVANIA: Most of week cool and dry. Only 2 days with rainfall. Average temperature was 4° below the normal of 68°. Light frost reported in the north central mountains. State average rainfall 0.81 in. just slightly below the normal.

Days suitable: 5.0. Moisture adequate to surplus. Activities: Making hay, baling straw, seeding alfalfa; and harvesting oats, tobacco, potatoes, sweet corn, tomatoes, apples and peaches. Oats 74% harvested, last year 94%. Potatoes 19% harvested, last year 30%. Corn 55% in dough or past and 11% dented, last year 70% in dough or past and 15% dented, average 69% in dough or past and 18% dented. Fall plowing 19% complete, last year 21% complete, average 24% complete. Second crop alfalfa 86% harvested, last year 94%. Third crop alfalfa 38% harvested, last year 44%. Second cutting clover 70% harvested, last year 75%. Quality of hay made mostly fair to good. Feed from pastures average to above average.

PUERTO RICO: Island average rainfall 0.51 in. or 1.20 in. below normal. Highest weekly total 2.56 in. Highest 24-hour total 1.25 in. Temperature averaged about 81° on coasts and 77 to 76° interior divisions. Mean station temperature ranged from 69.1 to 83.4°. Extremes 94 and 54°.

SOUTH CAROLINA: Weather was like early September. Temperature averaged 2 to 3° below normal. Midweek weather warmer than weekend. Rainfall occurred as scattered thunderstorms. Some midland counties received 2.00 to 3.00 in. of rain.

Soil moisture mostly adequate. Days available for fieldwork: 5.4. Corn condition good, 79% mature, 84% last year, 87% average, 19% harvested, 20% last year, 22% average. Cotton condition good: 2% open bolls, 46% last year, 34% average. Soybean condition good: 88% blooming, 87% last year, 91% average; 58% setting pods, 52% last year, 64% average. Tobacco condition good to excellent; 90% harvested, 76% last year, 86% average; 19% stalks destroyed, 13% last year. Peach condition good; 97% harvested, 97% last year, 95% average. Apple and grape harvest continues, conditions good to excellent.

SOUTH DAKOTA: Average temperatures were from 4° above to 3° below normal. Extremes: 99 and 39°. Precipitation averaged around 0.18 in. above normal for the entire State.

Days suitable for fieldwork: 5.0. Topsoil moisture was adequate over much of the State with short and critically short supplies through most of the west, north central, and parts of the southeast. Grasshoppers continue to cause problems in the west and in parts of the east. Seed weevils causing some problems in sunflowers and some woollybear caterpillars reported on soybeans. Range and pastures in good condition east and central; fair to good west. Spring wheat harvested 94%, 1983 100%, average 95%. Sorghum hatched 81%, 1983 79%, average 85%. Sorghum turning color 25%, 1983 30%, average 26%. Winter wheat harvested 100%, 1983 100%, average 100%. Corn dented 22%, 1983 24%,

average 26%. Corn dough 56%, 1983 64%, average 67%.

TENNESSEE: The prevailing weather feature was a high pressure system that resulted in temperatures being generally less than normal. A cold front moved through the State midweek producing locally heavy showers; however, precipitation levels were generally less than normal. Temperatures averaged in the low to mid-70's.

Farmers averaged 6.0 days suitable for fieldwork. Soil moisture levels: 69% adequate, 31% short. Corn 73% dent, 1983 71%, average 75%; mature 18%, 1983 15%, average 20%; harvested 2%, 1983 1%, average 2%. Cotton open bolls 65, 1983 17%, average 9%. Soybeans blooming 92%, average 98%; setting pods 52%, 1983 68%, average 72%. Tobacco harvested: Burley 19, 1983 19%, average 32%; dark-fired 20%, 1983 18%, average 30%; dark air-cured 20%, 1983 10%, average 29%. Pasture and livestock remain in good condition.

TEXAS: Cold front moved Panhandle on 21st, into north central Texas on 22nd. Became stationary 23rd. Front sagged south toward coast on 24th, dissipated 25th. Scattered thunderstorms along ahead front as progressed. Thunderstorm during week confined to Panhandle, isolated scattered showers remainder State. Rainfall normal Low Plains, High Plains little above normal. Remainder State below normal rainfall. Temperatures near normal Trans-Pecos, High Plains, South Texas, Lower Valley, Coastal zones. Low Plains 3° above normal, Edwards Plateau 2° above normal, East Texas 3° below normal.

Crops: Crops High Plains good growth scattered showers continued. Cross Timbers, Blacklands, Central Texas harvesting continued, virtually no interruptions. Yields down due to drought. Range, pasture conditions improving slightly High Plains; many areas critically low moisture, providing little grazing. Additional rainfall beneficial, many areas essential. Cotton High Plains show new growth good condition. Good yield prospects. Shedding squares, small bolls occurring Low Plains prolonged dryness. Insect populations increasing. Harvesting begun small scale Blacklands. Yields down, harvesting increase this week. Rio Grande Valley, harvest complete with above average yields reported. Ginning continuing. Current condition 73% normal, 64% year ago. Reported conditions 6% excellent, 55% good, 22% fair, 17% poor. Grain sorghum good growth, progress High Plains. Fields beginning turn color. Light insect problems exist. Crop maturing slowly Low Plains dryland fields. Harvest moved steadily Blacklands, yields down. Current conditions 68% normal compared to 69% year ago. Reported conditions 5% excellent, 41% good, 39% fair, 12% poor, 3% failure. Corn fields dent stage, in good condition Plains. Light insect populations exist, damage light. Corn silage cut Plains.

Land plowed many areas where harvest complete. Current condition 67% normal compared 79% year ago. Reported condition 5% excellent, 40% good, 38% fair, 15% poor, 2% failure. Peanuts High Plains good growth, good moisture conditions. Irrigated peanuts look good, costs high due increased water needs. Leaves suffering fields in South Texas, no irrigation. Dryland fields South Texas critically need moisture. Soybeans good growth northern High Plains. Additional rainfall necessary fill pods Upper Coast. Slow development reported many areas Upper Coast. Early bean harvest nearing completion. First

cutting rice nearly complete. Excellent regrowth stubble second crop reported, normal yields reported.

Cotton squaring 100% 1984, 100% 1983, 100% average; setting bolls 92% 1984, 97% 1983, 96% average; open bolls 12% 1984, 8% 1983, 17% average; harvested 9% 1984, 5% 1983, 8% average. Rice turning color 100% 1984, 100% 1983, 100% average; harvested 87% 1984, 63% 1983, 65% average. Sorghum headed 87% 1984, 91% 1983, 94% average; turning color 68% 1984, 71% 1983, 73% average; mature 61% 1984, 55% 1983, 65% average; harvested for grain 59% 1984, 51% 1983, 59% average. Wheat planted all purposes 0% 1984, 0% 1983, 1% average. Corn harvested for grain 51% 1984, 39% 1983, 35% average. Peanuts harvested 0% 1984, 0% 1983, 6% average.

Commercial vegetables: Rio Grande Valley, planting fall vegetables. Irrigation of pepper, celery transplants. Plains, onions, potato harvest continued. Carrot harvest begun, good volumes expected. Cucumber, pepper, cabbage harvest underway. Trans-Pecos, peppers progressing well. Tomato harvest soon. Cantaloupe harvest continues. East Texas, sweetpotato harvest begun small scale. Dry season lowered yields. Watermelons showing bleaching, hot, sunny temperatures. Pecan prospects remain in low due cold winter, unusually dry spring; summer. Spraying insects continues.

Range and livestock: Range conditions varied. Fourth, fifth cuttings alfalfa hay in progress Plains. Conditions improving where rainfall received. Baling milo stalks increased supplement lack hay. Cattle, sheep fair, good condition. Calves weaned, marketed earlier than normal. Prices holding fairly steady.

UTAH: Precipitation from scattered thunderstorms at all reporting stations. Accumulations highly variable. Maximum temperatures 30 below normal north half State, 50 below south half, ranging from 110 below to 10 above. Minimums average 3.50 above normal, ranging 80 above to 30 below.

With only 4.5 days suitable for fieldwork, harvest activities were halted. Winter wheat harvest 74%, a gain of only 4%. Spring wheat harvest attained 48%, barley 60% and oats 30%. Much of 2nd crop alfalfa hay remained in the field waiting to dry out. Estimates vary from 30 to 60% hay is black with little feed value. Cattle and sheep above average condition, as well as, range and pasture feed.

VIRGINIA: Cool high pressure systems dominated weather over State for majority of period. One frontal system passed through State on 23rd and 24th. Widely scattered showers associated with front produced the only precipitation for period. Temperatures averaged 3 to 40 below normal, and precipitation less than 0.25 in.

Drier and more comfortable weather promoted harvest and other fieldwork activities. Day suitable for fieldwork averaged 5.1. Topsoil moisture ratings ideal, 96% adequate and 4% surplus. Corn condition good to excellent. Corn development slightly behind normal, 84% in or beyond dough stage, 87% last year, 88% average. Corn 61% in or beyond dent stage, 67% last year, 68% average. Corn 36% mature, 39% last year and average. Harvest just beginning, less than 20% of silage corn harvested, 1% grain corn harvested. Soybean condition remains good to excellent. Soybeans 87% in bloom stage or beyond, 85% last year, 61% setting pods, 59% last year. Tobacco rated good to excellent. Flue-cured tobacco marketing active. Flue-cured tobacco harvest 35% complete, 34% last year, 46% average. Dark air-cured tobacco harvest 44%

complete, 48% last year, 47% average. Sun-cured tobacco harvest 20% complete, 29% last year, 34% average. Burley tobacco harvest beginning gradually, 3% complete, 4% last year, 19% average. Peanuts in good to excellent condition. Clear weather allowed needed fieldwork and spraying. Treating fields for leafspot and sclerotinia blight. Peach harvest 80% complete, 60% last year. Apple harvest underway. Pastures and hay conditions good to excellent. Seeding of hay fields active. Livestock condition good to excellent. Seeding of hay fields active. Livestock condition good to excellent. Cattle marketing becoming more active.

WASHINGTON: High pressure centered to the southwest of State extended into British Columbia and dominated the weather pattern into midweek. An upper level, low pressure system drifted slowly southward along the coast during the remainder of the period. Both patterns produced dry and warm weather for the State. Except for a few reports of some light rain, less than 0.10 in., west of the Cascades, the State was dry with near normal temperatures.

Winter wheat harvest statewide at 90%, average. Average yields look good some fields better than others. Spring wheat harvest over three-quarters complete ranges from 10% in Spokane County to about 90% complete in most south east counties. Barley harvest ranged from 65% in Spokane County to over 90% complete in the southeast counties. Third cutting alfalfa continues. Second cutting timothy hay continues. Peach harvest continues. Blueberry harvest more than three quarters complete. Bartlett pear harvest started on limited basis Chelan County. Preparations for the pear harvest being made in many areas. Pear harvest a week later than last year. Russett Burbank potato harvest continues one-third complete. Harvest of carrots, onions and corn continues. Snap beans being harvest in Whatcom County. Green pea harvest continues in the northwest counties. Dry pea harvest more than 90% complete, with some southeast counties still harvesting. Pastures in many areas of the State remain adequate with several areas reporting short conditions.

WEST VIRGINIA: Temperatures were below normal. High of 90° in Point Pleasant and Spencer, low of 36° in Canaan Valley. Precipitation well below normal. Most rainfall in Clay 1.57 in. least in Lewisburg 0.01 in.

Soil moisture adequate to short. Days suitable for fieldwork: 4.4. Main activities: Harvesting hay, clipping pastures, harvesting gardens.

WISCONSIN: The northern two thirds of the State received from 0.50 to 1.50 in. of rain while the south received less than 0.50 in. Average temperatures were 3 to 40 less than normal, with lows approaching the freezing point in the north in early morning of the 24th.

Virtually all corn was silked. Of the corn acreage 60% was in dough stage or beyond, 65% last year and 63% average. Dented acreage 20%, 30% last year, 23% average. Oats were 88% harvested, 90% last year, 84% average. Second hay was 85% harvested, 84% last year and an 87% average. Soil moisture was 41% dry, 58% adequate and 1% surplus. Dry conditions stressed crops mostly in the southern part of the State.

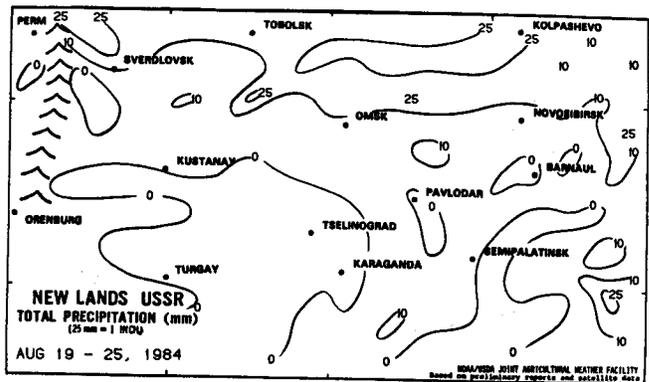
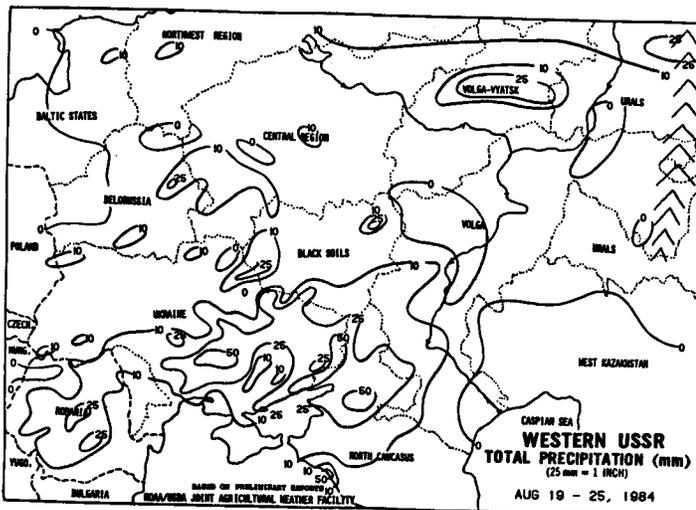
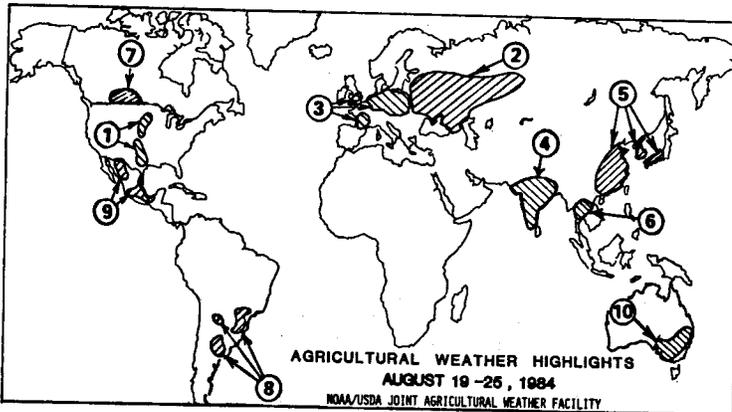
WYOMING: Temperatures 30 above normal. Precipitation; southern drainages 0.25 in. above
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International Weather and Crop Summary

August 19 to 25

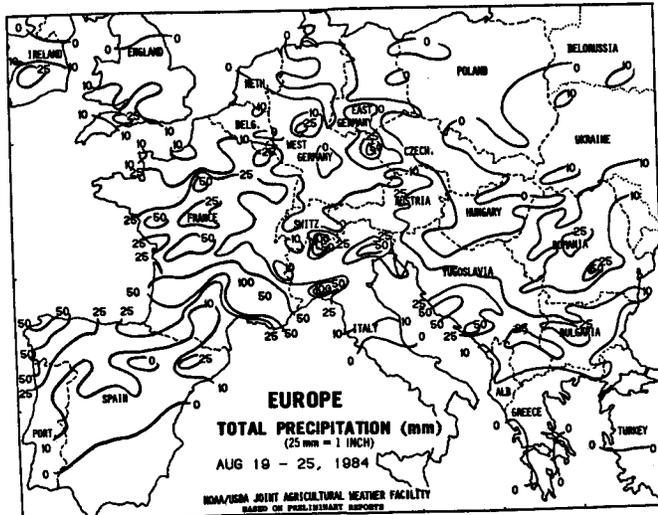
HIGHLIGHTS:

1. UNITED STATES ... Moderate showers from Minnesota to the central Plains help parts of the western end of the Corn Belt, but most of the Corn Belt has little or no rain. Hot weather in the central and southern Plains stress cotton, sorghum, and pastures.
2. USSR ... Mostly favorable harvest weather covers all crop areas. Reports indicate grains are harvested on 50 percent of the fields. Winter grain planting continues at optimum sowing dates in north European crop areas.
3. EUROPE ... Dry weather favors grain maturation and aids harvest in northern crop areas. Wet, cool weather slows corn maturation in France.
4. SOUTH ASIA ... A consistent weather pattern produces favorable moisture for central crop areas, and causes dryness to stress crops in the south.
5. EASTERN ASIA ... Tropical storm Holly possibly causes some flood damage to rice in Korea and southern Japan. Weather is favorable in China for crops in the reproductive and maturing stages.
6. SOUTHEAST ASIA ... Moderate precipitation benefits some rice areas. Drier weather favors corn harvesting, but rain is needed for the south-central rice region.
7. CANADA ... Warm, dry weather aids crop harvests over southern Saskatchewan and Alberta, but showers across the north and east slow harvesting and cause crop lodging, especially in Saskatchewan northwestern crop areas.
8. SOUTH AMERICA ... Rain helps some of Argentina's very dry wheat areas, mostly in Santa Fe, but the showers miss most of Cordoba's chronically dry wheat area. Frontal rains cover Brazil's wheat area and spread into the previously dry citrus/coffee area. The frontal system brings colder air to Argentina and southern Brazil.
9. MEXICO ... Light showers over the southern Plateau corn belt allow harvest to progress. Moderate rain along most of the east coast is beneficial to sugarcane and citrus. Dry weather in the north-central rangelands stress pastures. Beneficial showers continue in the northern mountain watershed.
10. AUSTRALIA ... Showers over most wheat areas continue to improve crop conditions in most areas as generally mild weather promotes early spring growth. Rain in Queensland delays early season wheat harvest.

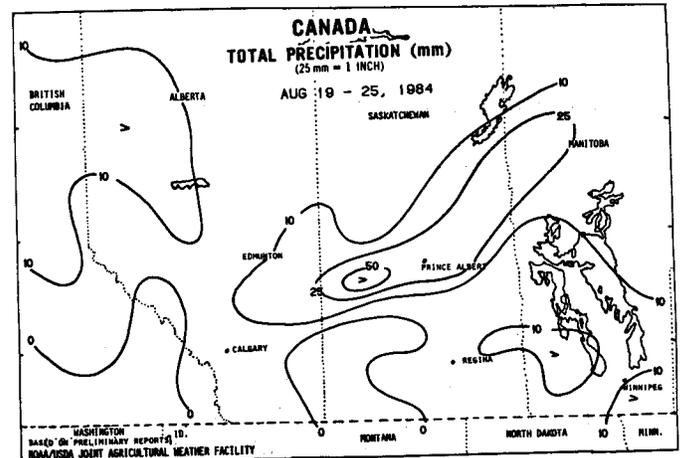


USSR...Mostly favorable harvest weather covered European crop areas. Light, scattered showers covered the northern half of the region, creating the potential for only minor harvest delays. Reports indicate that grains had been harvested on more than 50 percent of the fields, with the small grains harvest complete in the Ukraine and North Caucasus. Winter grains have been sown on 15 percent of the fields, mainly those in the north. The optimum time for winter wheat planting in the south is around mid-September. Wet weather (25-50 mm) covered the eastern Ukraine and northern North Caucasus, providing highly favorable topsoil moisture conditions for the soon to be planted winter wheat.

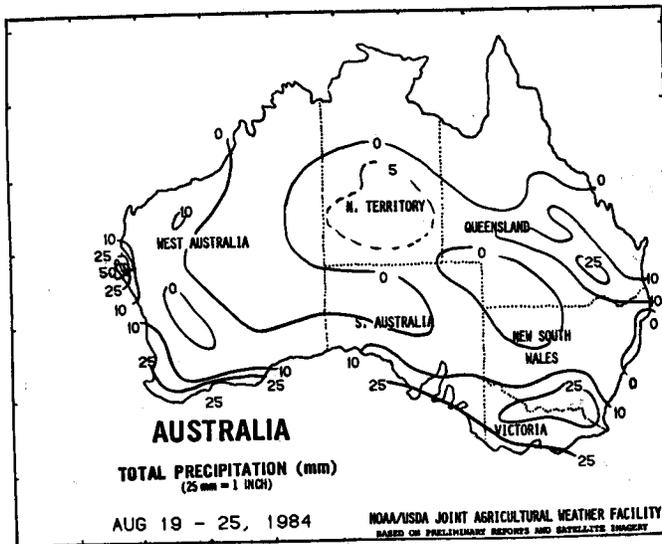
In the New Lands, harvest conditions were mostly favorable, as dry weather covered most fields during the week. Spring wheat areas in the extreme north, which received 10-25 mm of precipitation, were an exception. Spring wheat is mature over most of the region, except a small portion of the crop is probably still maturing in fields around Novosibirsk. Normally, the spring wheat harvest is nearly complete by mid-September. In south central USSR cotton areas, most of the cotton is irrigated. Weekly temperatures during June and July were much above normal in the cotton areas, especially in eastern Uzbekistan. Temperatures continued much above normal across the region this past week. In the Far East USSR soybean areas, excessive wetness continued to be unfavorable for the crop, particularly soybean areas in the Amur Valley.



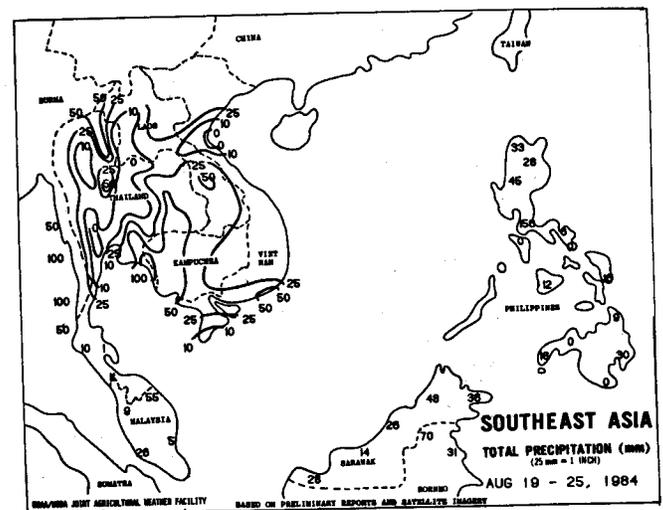
EUROPE... Dry weather continued to cover northern crop areas, favoring grain maturation and aiding harvest activity. Winter grain planting begins in the north in early September, and rain is needed, particularly in Poland, to replenish topsoil moisture required for germination and early plant establishment. Substantial rains (25-50 mm) fell over much of southern France, and drier weather is needed for the corn crop which is normally maturing. Mostly dry weather benefited grain maturation in Czechoslovakia and Hungary. Light showers created the potential for minor fieldwork delays in Romania, Yugoslavia, and Bulgaria. Weekly temperatures were above normal in the north, and below normal across the south.



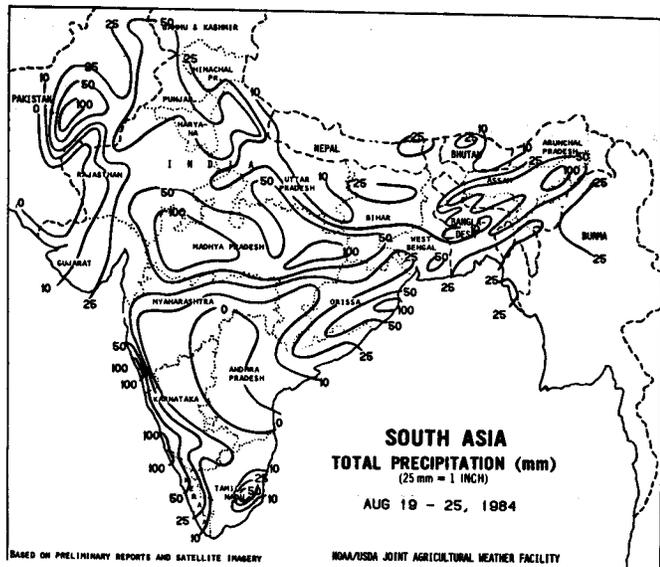
CANADA... Dry, warm weather aided harvests across the southern two-thirds of Saskatchewan, the southern half of Alberta, and scattered portions of Manitoba's grain area. Locally heavy showers, producing 20-50 mm of weekly rain, delayed harvesting across the crop areas of northwestern Saskatchewan and northeastern Alberta. Lodging of mature crops will make the harvest more difficult in this area, where only a small percentage of the crops have been harvested. Showers over Manitoba's crop area produced about 10 mm of rain for the week, slowing the harvest in the east. In Saskatchewan, the spring wheat and barley harvests are about 50 percent complete, while rapeseed is about 30 percent harvested. The quality of the harvest is generally good to excellent, resulting from the warm, dry weather in the south during maturation and harvesting. Alberta's spring wheat and barley crops are about 30 percent harvested.



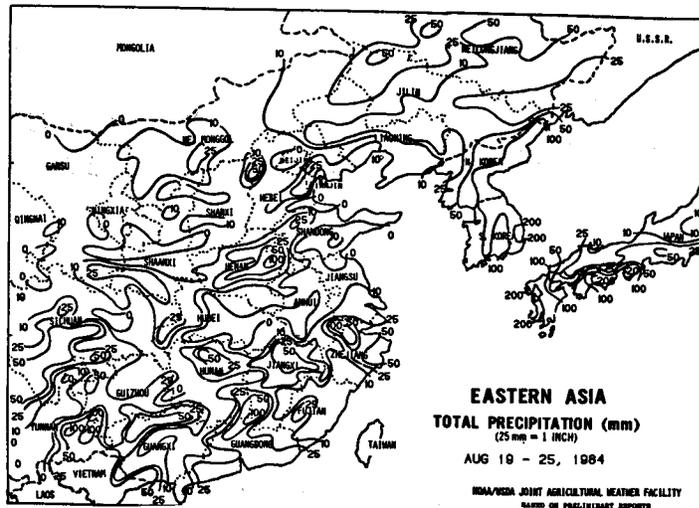
AUSTRALIA... Showers covered most wheat areas of Australia. Locally heavy showers in southeastern Queensland slowed harvesting of the early season wheat. Very light showers (2-7 mm) fell over the northern two-thirds of New South Wales, but heavier rain (10-47 mm) further replenished soil moisture supplies over wheat areas of southern New South Wales, Victoria, and South Australia. Weekly rain of 10-35 mm also fell over the western half of Western Australia's wheat area. Further inland, rainfall dropped off sharply. Generally mild weather, along with frequent showers since mid-July, have greatly improved crop conditions in Australia's wheat belt. The major portion of wheat is either in the jointing stage (early-sown) or tillering stage (delayed sown).



SOUTHEAST ASIA... Somewhat drier conditions developed in Thailand this week, following 2 weeks of good monsoon activity. Moderate rain (25-50 mm) fell in parts of eastern and northern Thailand, benefiting rice in the filling stage. The moisture also helped maintain reservoir levels. Drier weather in the central corn region was favorable for harvesting. The south-central rice area has been relatively dry and would benefit from increased rainfall. Moderate to heavy rain favored corn and rice in the northern Philippines, while drier conditions continued in the central and southern islands.



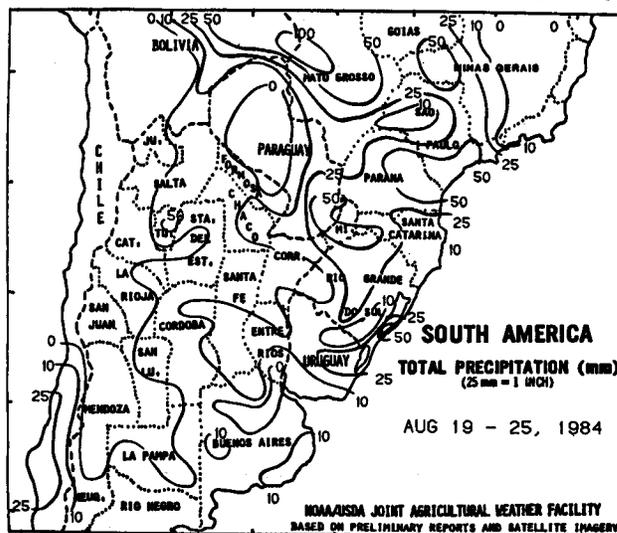
SOUTH ASIA...A persistent rain pattern has developed over the last several weeks. Abundant precipitation fell across central India for the fourth consecutive week, benefiting autumn and winter rice in the east, and the western cotton and groundnut region. Autumn rice is in the heading stage, but most other crops in central India are in the vegetative stage. Dry weather in peninsular India is causing concern for crops in the reproductive stage. Below-normal rain in Myaharashtra, Andhra Pradesh, Karnataka, and Tamil Nadu has offered limited moisture for cotton, groundnuts, and autumn rice. Temperatures in the south averaged above normal, increasing the evaporative demand. The western coast has received below-normal, but adequate rain for autumn rice.



EASTERN ASIA...During the week, Tropical Storm Holly brushed eastern China before producing heavy rain (more than 100 mm) in southern Japan and eastern Korea. Some floods may have damaged rice in the heading and filling stages. Holly weakened over the sea of Japan, and brought favorably moderate rain to Hokkaido. Rain associated with Holly fell in the Manchurian Valley, benefiting corn and soybeans in the late filling stages. The North China Plain was beneficently dry for cotton, corn, and soybeans during most of the week. Temperatures averaged above-normal, also favoring crop development. However, late in the week, heavy rain in eastern Henan was unfavorable for cotton in the open boll stage. Scattered rain in the south benefited intermediate rice in the late filling stage and late rice in the heading stage.



MEXICO...Precipitation was light over most of the southern Plateau corn belt but moderate rain fell near each coast. Moderate showers fell over most of the east coast, benefiting sugarcane, corn, and citrus. Dry weather continued over the northwestern coast north of Mazatlan. Showers again fell over the northern mountain watershed, but the north-central rangeland was dry.



SOUTH AMERICA...In Argentina, substantial showers produced 10-24 mm of weekly rain over Santa Fe, extreme eastern Cordoba, and extreme northern Buenos Aires. The moisture greatly benefited sown winter wheat in these very dry crop areas. Western wheat areas of Cordoba and northwestern Buenos Aires missed any significant rain, further aggravating the very dry conditions. Wheat sowing is still underway in southern Buenos Aires, but showers in the southeast slowed progress. Frontal systems pushed northeastward into southern Brazil, spreading rain throughout the wheat areas, and bringing substantial moisture to the citrus/coffee areas of Parana, Sao Paulo, southern Minas Gerais, and Mato Grosso do Sul. Contrasting air masses of

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normal, central and northern drainages 0.17 in. below normal.

Topsoil moisture adequate 72% State. Days suitable for fieldwork: 6.0. Winter wheat, 95% harvested. Last year 99% harvested. Barley, 70% harvested. Last year 66% harvested. Spring wheat 70% harvested. Last year 45% harvested. Oats 35% harvested. Last year 35% harvested. Alfalfa, second cutting 60% complete. Other hay harvest 80% complete. Corn: 30% dough, 10% dented. Dry beans 45% leaves turning color. Winter wheat seeded in a few fields. Stock water 95% State. Weights of calves, lambs mostly same as last year.

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warm tropical air to the north and cold polar air to the south were responsible for the frontal rains. Sub-freezing minimum temperatures occurred late in the week over most of Argentina as cold air pushed northward.

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