

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

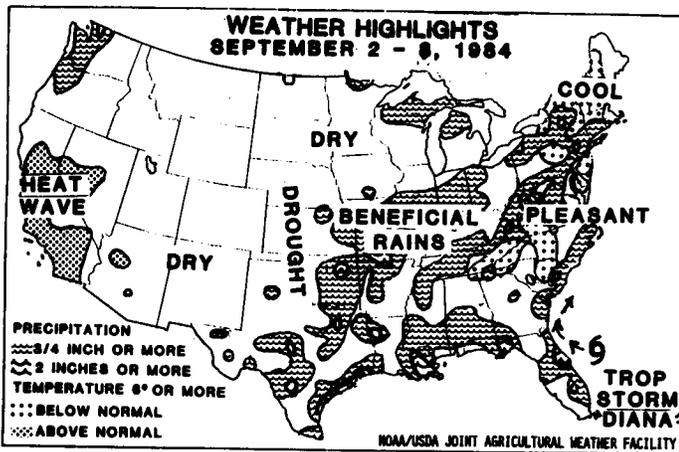
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Sept. 11, 1984

National Weather Summary

September 2-8, 1984



WEDNESDAY...It was chilly during the morning in the northern Plains--International Falls had 31 degrees. In contrast, the heat wave intensified across California--Los Angeles recorded a sweltering 105 degrees. A wet frontal system moved into the Pacific Northwest.

THURSDAY...Pleasant autumn-like weather persisted across the eastern half of the country. Light rains spread from the Northwest into the northern Plains, while central and southern California remained hot. Strong southerly winds blasted the High Plains and brought 100 degree readings into the central Plains.

FRIDAY...Much-needed rain spread from the northern Plains into the western Corn Belt. Temperatures cooled some in the Plains, but California remained hot.

SATURDAY...An unusual morning chill blanketed the east coast, while 100 degree afternoon temperatures continued over California. Heavy rains developed along a cold front, from eastern Oklahoma to southern Illinois. Tropical Storm Diana formed off the east central Florida coast, and continued to intensify while drifting northward.

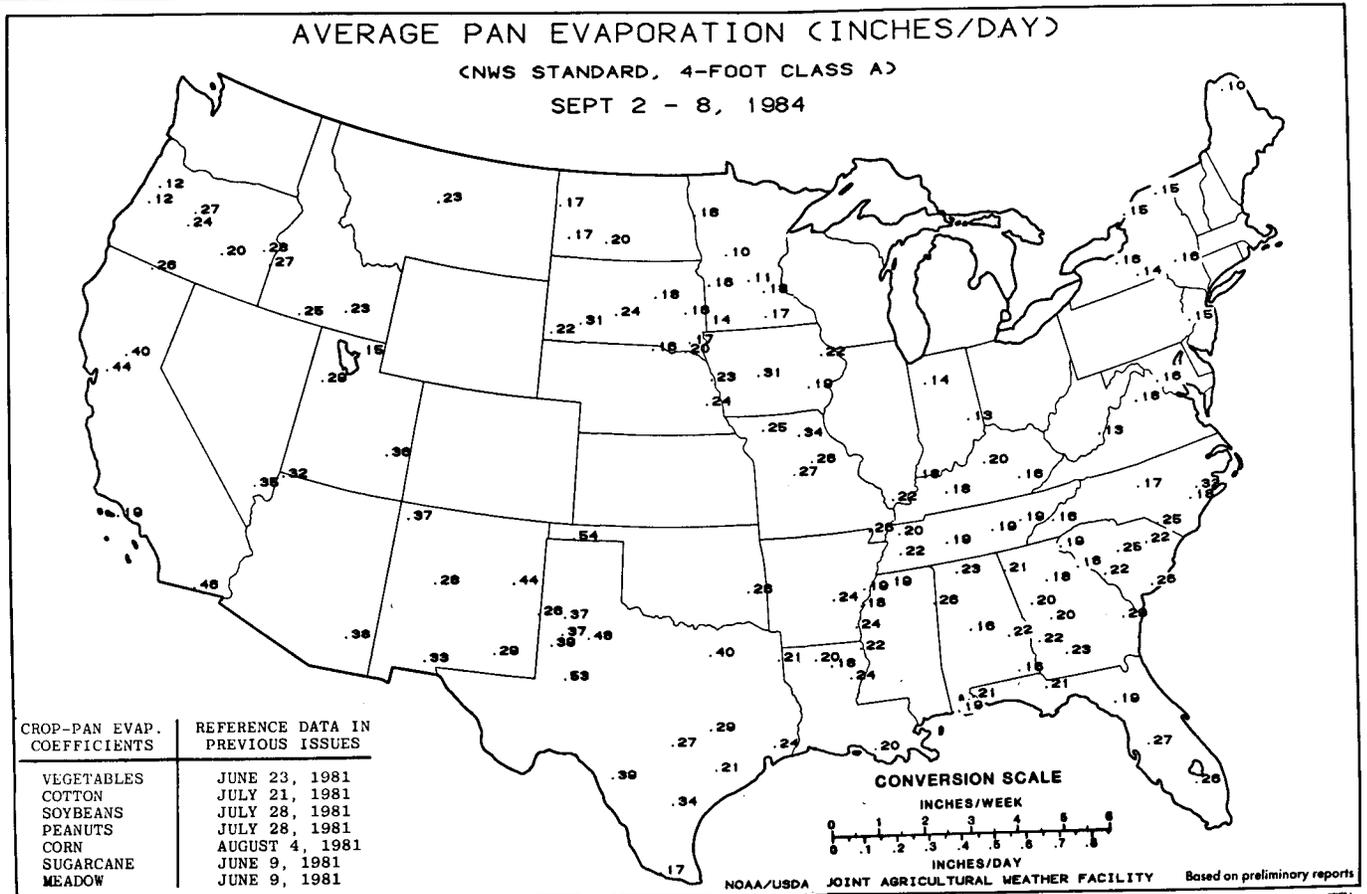
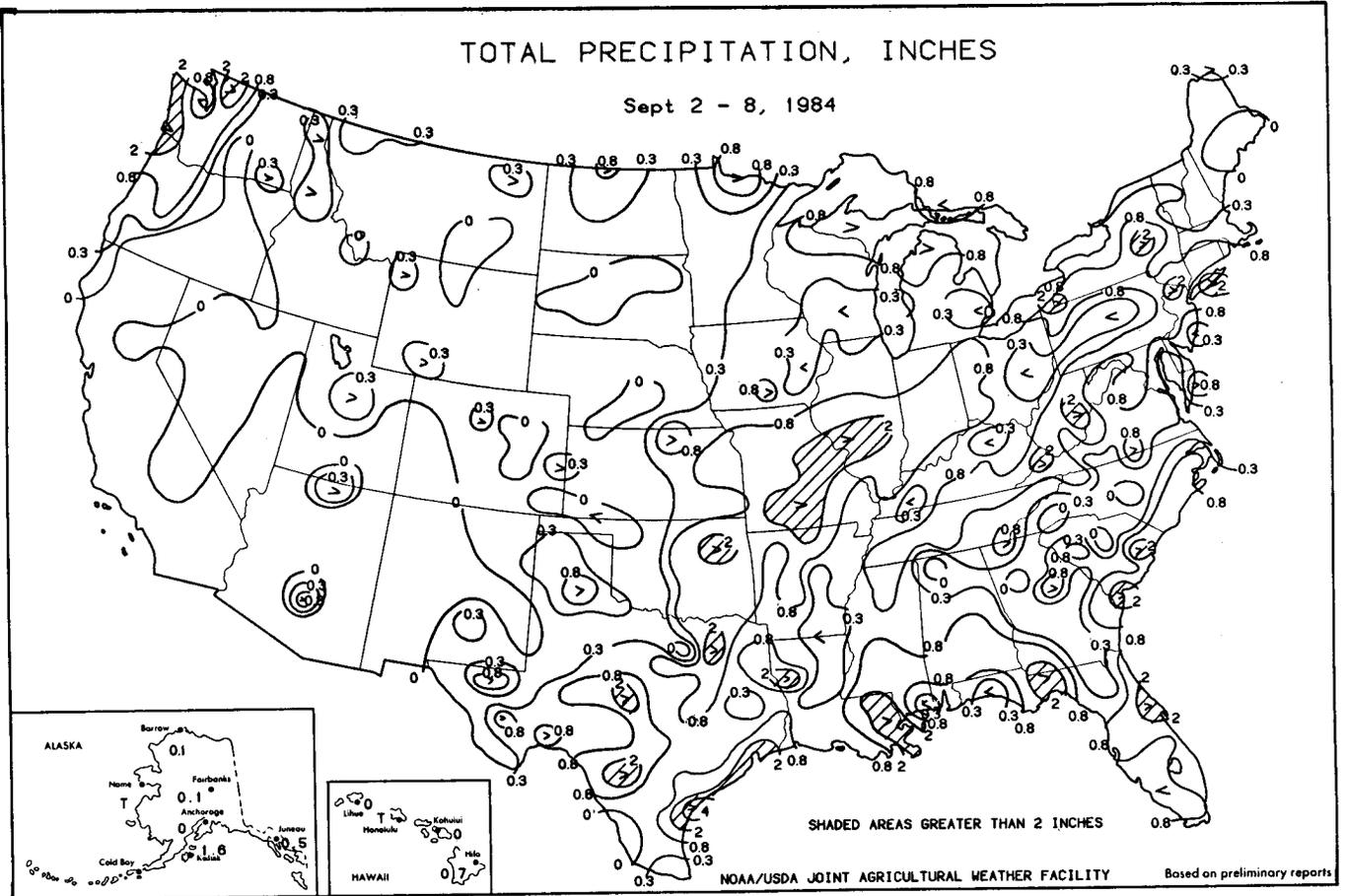
HIGHLIGHTS...Pleasant, autumn-like weather blanketed the Corn Belt and east coast, while a strong heat wave persisted over California. Beneficial, heavy rains scattered from south Texas to Ohio, and scattered widely eastward to the Atlantic Coast. The western half of the Nation was mostly dry. Tropical Storm Diana formed off the east central Florida coast on the 8th, and slowly intensified while drifting northward.

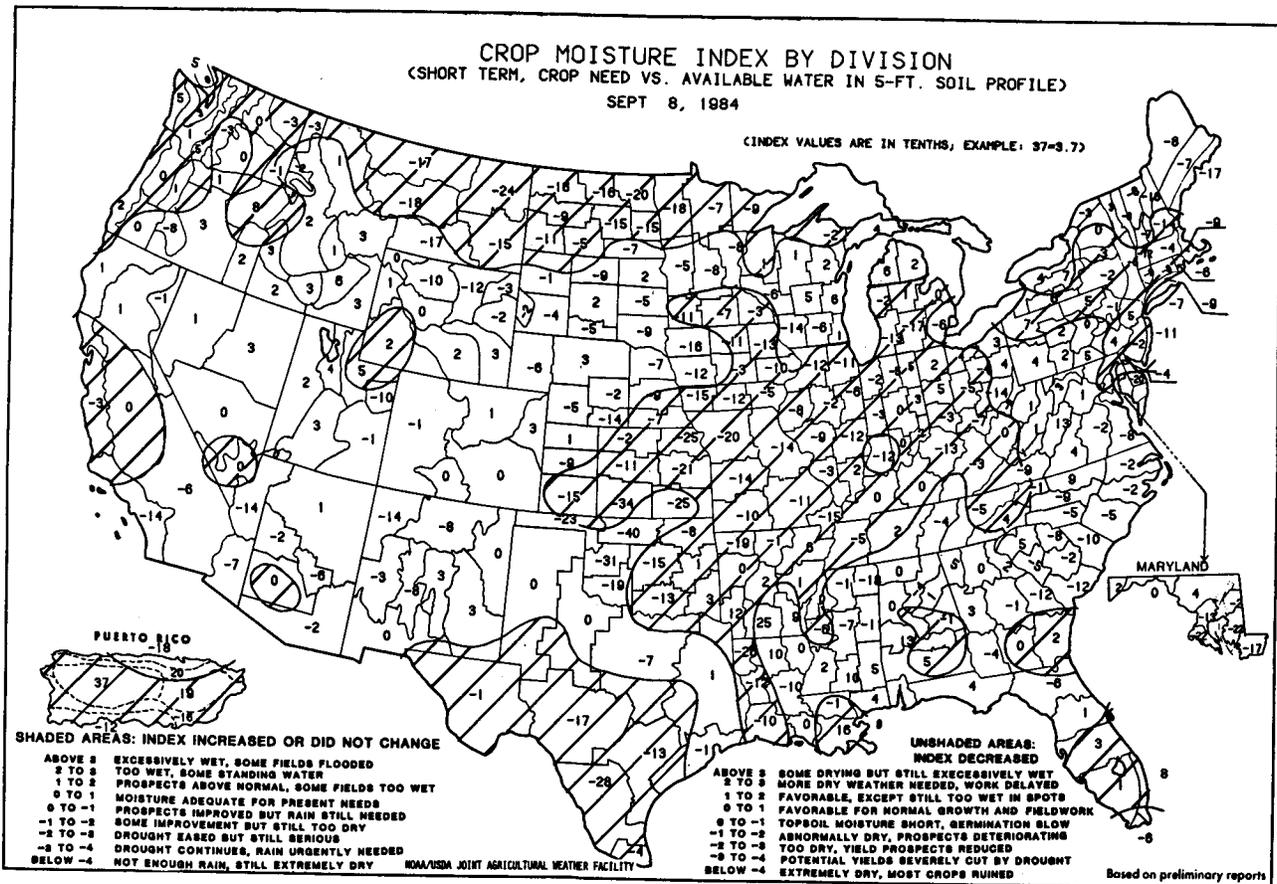
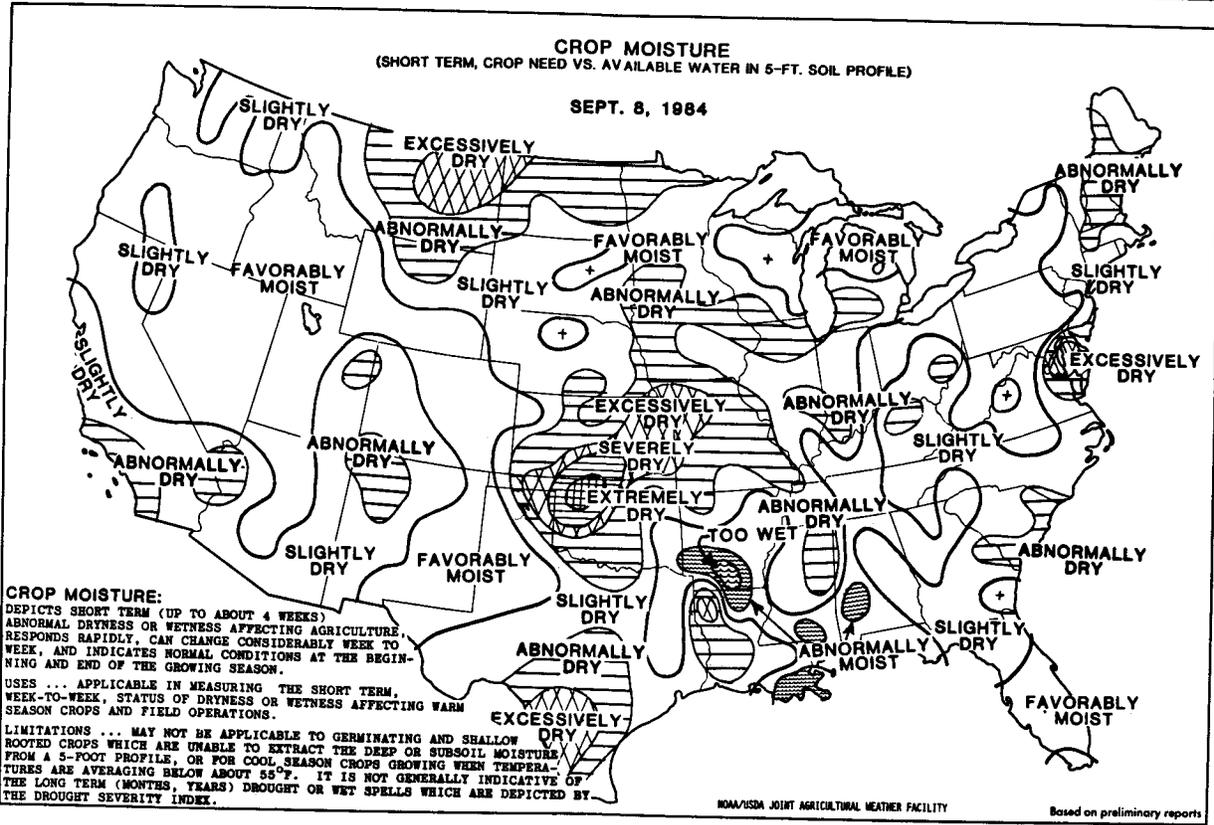
SUNDAY...A stormy, low pressure frontal system generated widespread rains from the Great Lakes to Texas. Over 2 inches of rain fell across parts of northern Missouri and central and south Texas. Much cooler air spread behind the front through the northern and central Plains, ending a heat wave.

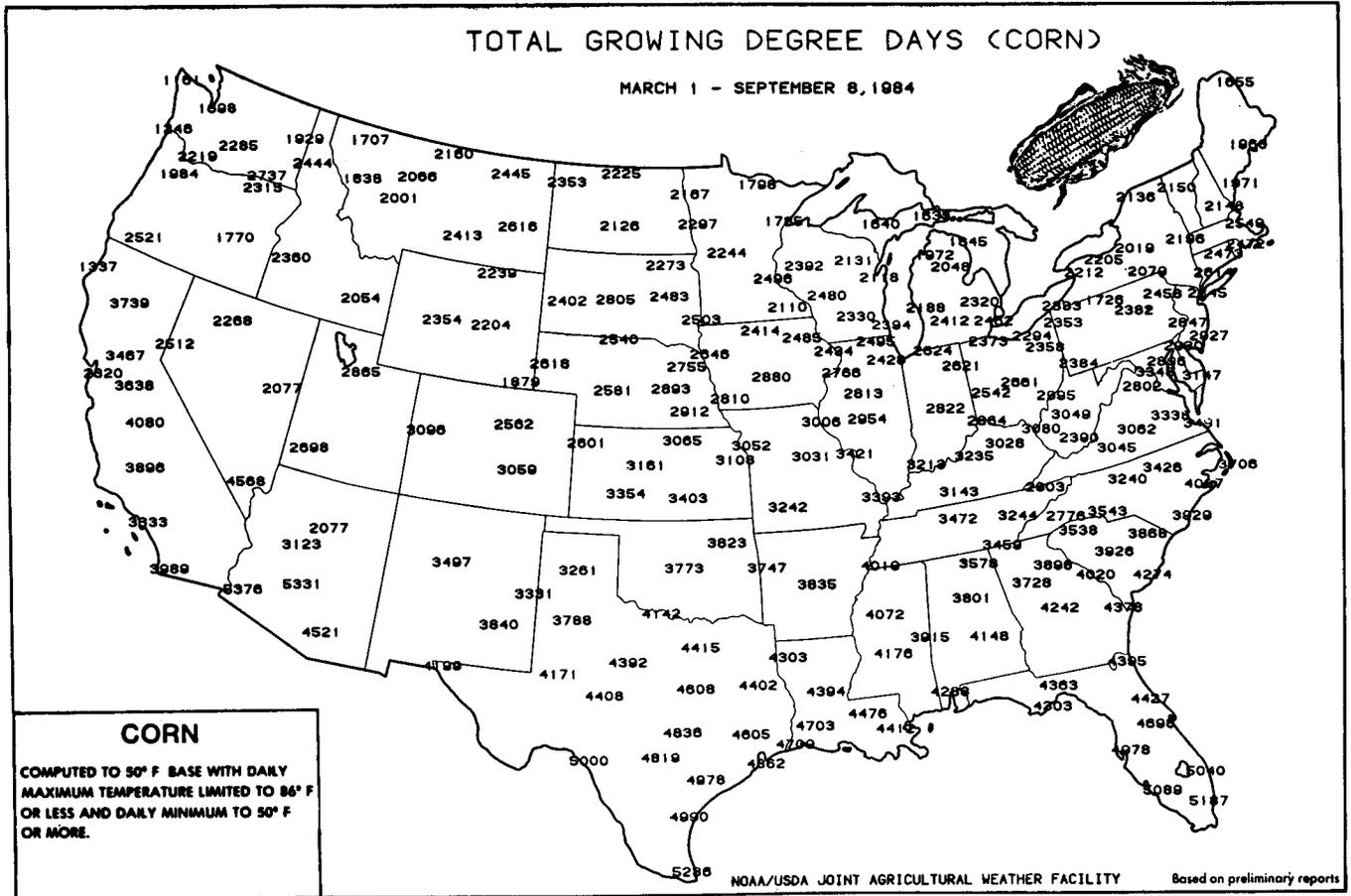
MONDAY...The stormy weather moved into the eastern third of the Nation, but continued across south Texas. Minimum temperatures dipped into the 40's and 50's over the northern tier of States, while abnormally hot weather persisted over the Southeast and central and southern California.

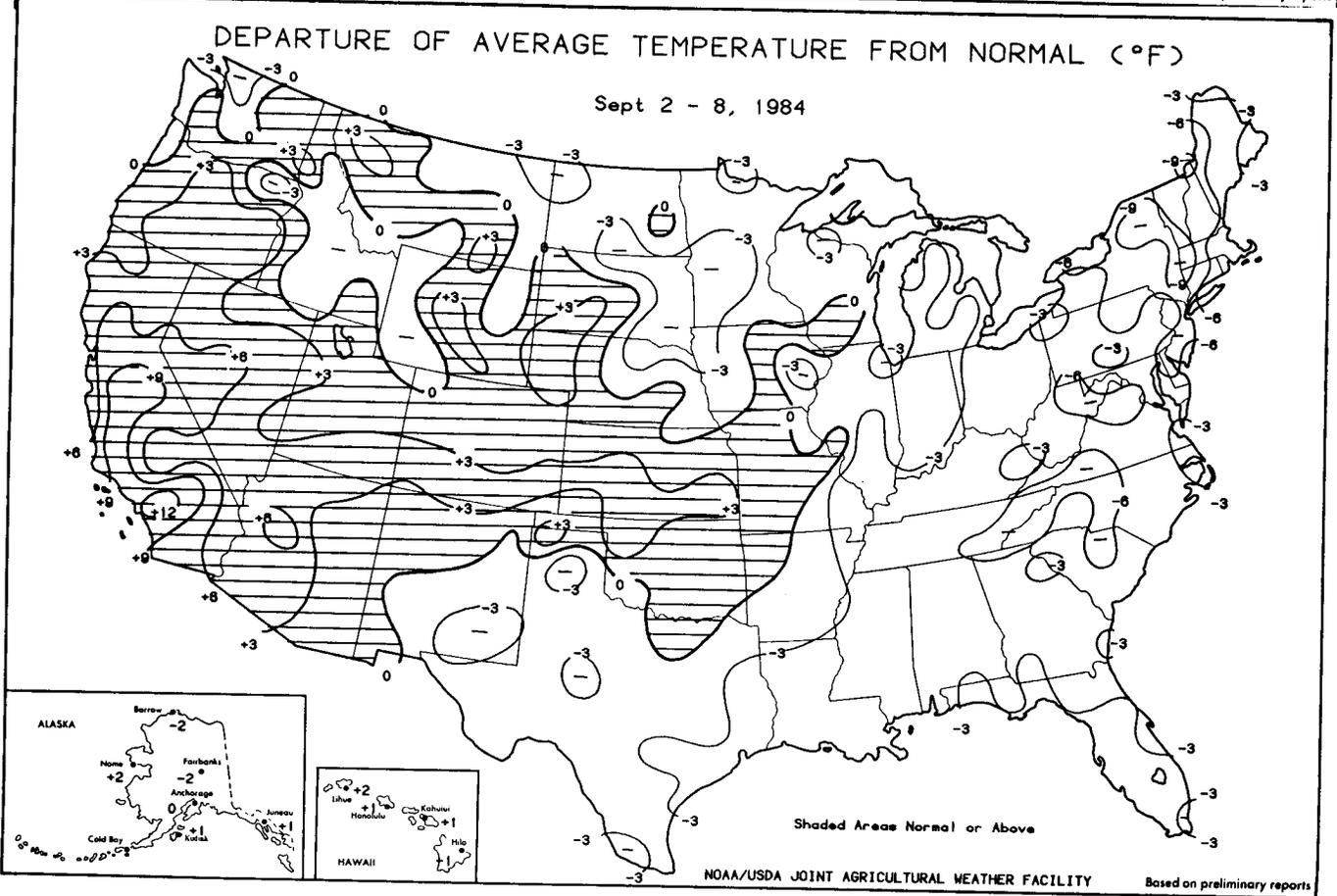
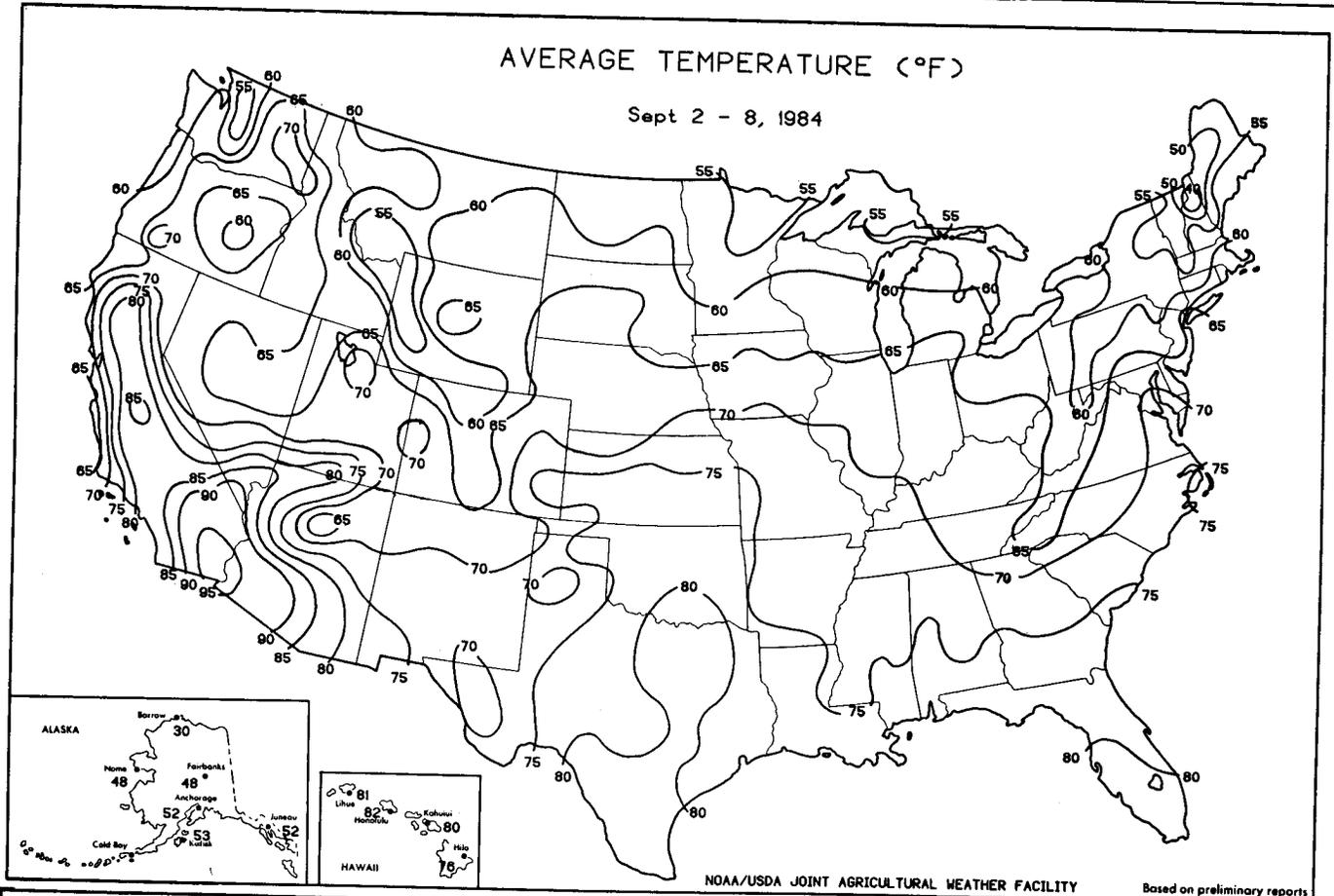
TUESDAY...Rains and cooler weather drifted into the East and southern coast. Light rains also fell over some parched areas of the Corn Belt. California continued hot.

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Weather Data for the Week Ending SEPTEMBER 8, 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 Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	84	61	92	53	72	-4	T	-1.0	T	T	3	33.9	84	43	2	2	1	0	
MOBILE	85	66	92	61	76	-5	T	-1.3	T	T	18	43.4	90	88	2	0	1	0	
MONTGOMERY	86	63	93	59	74	-5	T	-1.3	T	T	65	40.5	113	92	0	0	2	0	
AK ANCHORAGE	62	41	63	36	52	0	T	-1.6	T	T	0	9.7	102	79	4	1	0	0	
BARROW	35	31	38	30	33	-2	T	-1.1	T	T	0	3.3	101	97	0	6	2	0	
FAIRBANKS	59	37	66	30	48	-2	T	-2.2	T	T	23	7.8	104	87	1	1	0	0	
JUNEAU	58	46	65	41	52	1	T	-1.1	T	T	44	35.4	114	99	0	0	4	0	
KODIAK	60	47	65	45	53	1	T	-1.1	T	T	91	48.0	105	91	0	0	3	0	
NOME	56	40	66	32	48	2	T	-1.6	T	T	31	11.0	106	76	0	1	1	0	
AZ PHOENIX	103	78	106	68	90	3	T	0	T	T	637	8.8	188	55	23	7	1	0	
PRESCOTT	87	58	90	53	73	5	T	-1.5	T	T	6	9.5	69	72	26	1	0	0	
TUCSON	96	72	99	70	84	1	T	-1.4	T	T	0	9.2	118	48	19	7	0	0	
YUMA	107	84	111	78	95	6	T	-1.1	T	T	0	4.0	242	64	24	7	0	0	
AR FORT SMITH	91	63	97	54	77	0	T	-1.4	T	T	167	23.0	82	86	32	5	0	2	
LITTLE ROCK	86	64	91	57	75	-2	T	-1.6	T	T	25	28.0	86	90	48	1	0	1	
CA BAKERSFIELD	99	67	102	50	83	3	T	0	T	T	0	1.3	33	58	23	7	0	0	
EUREKA	67	54	72	51	60	3	T	-1.1	T	T	19	16.8	73	96	75	0	0	0	
FRESNO	101	69	105	64	85	9	T	0	T	T	0	2.1	30	52	19	7	0	0	
LOS ANGELES	88	71	94	67	80	10	T	-1.1	T	T	0	2.0	23	81	49	4	0	0	
RED BLUFF	97	66	102	59	82	5	T	-1.1	T	T	0	4.8	36	57	21	7	0	0	
SACRAMENTO	97	64	101	57	80	7	T	-1.1	T	T	0	3.0	27	67	19	2	0	0	
SAN DIEGO	88	75	100	71	82	10	T	-1.1	T	T	0	1.5	23	88	56	7	0	0	
SAN FRANCISCO	85	56	100	53	71	2	T	0	T	T	0	4.1	33	85	35	2	0	0	
CO DENVER	83	53	91	47	68	7	T	-1.3	T	T	12	11.9	98	64	19	2	0	0	
GRAND JUNCTION	86	57	92	48	72	2	T	-1.2	T	T	0	7.8	142	46	18	3	0	0	
FURBLO	87	53	96	50	70	1	T	-1.2	T	T	0	14.0	159	76	22	2	0	0	
CT BRIDGEPORT	72	56	80	48	64	-5	T	1.1	T	T	126	34.6	122	76	49	0	0	2	
HARTFORD	69	46	75	37	58	-9	T	-1.5	T	T	83	34.7	116	88	49	0	0	2	
DC WASHINGTON	79	61	93	56	70	-2	T	0	T	T	84	28.3	101	85	47	1	0	3	
FL APALACHICOLA	86	70	91	67	78	-2	T	1.2	T	T	1.1	51.6	131	93	62	2	0	2	
DAYTONA BEACH	86	72	90	70	79	-2	T	3.1	T	T	169	34.2	99	88	59	1	0	5	
JACKSONVILLE	84	67	92	64	76	-4	T	0	T	T	36	32.5	81	97	59	2	0	4	
KEY WEST	87	80	90	75	83	0	T	1.1	T	T	63	30.6	122	75	62	1	0	2	
MIAMI	88	72	90	70	80	-3	T	1.8	T	T	1.5	2.1	97	44.6	111	89	55	1	
ORLANDO	87	70	91	68	79	-3	T	2.2	T	T	1.9	2.2	135	37.5	100	97	59	2	
TALLAHASSEE	88	68	92	65	78	-2	T	2.5	T	T	1.4	2.5	130	51.2	104	95	55	3	
TAMPA	89	72	93	68	81	-1	T	1.6	T	T	1.5	1.6	85	28.7	79	88	54	3	
WEST PALM BEACH	87	73	89	71	80	-2	T	1.6	T	T	1.6	69	46.4	117	92	62	0	0	
GA ATLANTA	81	63	88	56	72	-4	T	-1.8	T	T	0	48.1	133	79	46	0	0	0	
AUGUSTA	86	61	94	54	73	-4	T	-1.9	T	T	2	41.1	123	82	40	2	0	0	
MACON	85	63	93	57	74	-5	T	-1.1	T	T	5	39.6	116	94	47	2	0	1	
SAVANNAH	86	67	93	64	76	-2	T	2.0	T	T	2.0	125	40.7	103	90	51	3	0	
HI HILO	83	68	83	65	76	-1	T	-1.0	T	T	1.0	51	63.8	74	86	61	0	0	
HONOLULU	91	73	93	70	82	1	T	-1.1	T	T	18	5.1	35	80	45	5	0		
KAHULUI	89	71	93	66	80	0	T	-1.1	T	T	0	6.8	50	68	50	2	0		
LIHUE	86	76	87	73	81	2	T	-1.4	T	T	0	10.5	39	75	56	0	0		
ID BOISE	83	54	95	49	68	2	T	0	T	T	2	2	133	8.9	113	65	24	1	
LEWISTON	86	55	107	50	71	4	T	-2	T	T	4	8.0	91	68	27	3	0	0	
POCATELLO	79	48	93	37	63	1	T	-2	T	T	2	2	144	10.5	139	77	26	1	
IL CHICAGO	76	53	90	42	65	-3	T	-4	T	T	0	5	51	21.6	88	92	44	1	
MOLINE	79	57	98	45	68	0	T	-4	T	T	0	4	40	24.5	87	85	42	2	
PEORIA	78	58	90	47	68	-1	T	-1	T	T	0	8	81	26.3	102	82	45	1	
QUINCY	78	60	91	50	69	-1	T	1.0	T	T	1.0	89	26.1	94	89	49	1		
ROCKFORD	75	54	90	44	64	-2	T	-2	T	T	0	3	31	20.0	74	93	49	1	
SPRINGFIELD	83	58	101	47	71	0	T	1.7	T	T	1.7	199	26.5	105	86	44	2		
IN EVANSVILLE	80	60	92	53	70	-3	T	-1.9	T	T	0	9	129	27.6	91	74	44	1	
FORT WAYNE	77	56	93	45	66	-1	T	1.4	T	T	1.7	233	20.8	83	92	53	1		
INDIANAPOLIS	78	57	92	49	68	-2	T	1.0	T	T	1.0	125	26.1	91	96	53	1		
SOUTH BEND	77	57	88	46	67	0	T	0	T	T	0	7	81	20.1	75	85	42	0	
IA DES MOINES	79	57	93	51	68	0	T	0	T	T	0	5	56	29.7	123	92	46	1	
SIOUX CITY	76	53	82	45	65	-3	T	-1.6	T	T	1.1	8	25.5	96	88	49	0		
KS WATERLOO	76	53	91	43	64	-1	T	-4	T	T	0	5	53	24.5	96	88	49	1	
CONCORDIA	83	57	96	50	70	-1	T	1.7	T	T	1.5	2.8	323	23.0	107	92	41	2	
DODGE CITY	93	61	100	53	77	5	T	-3	T	T	0	2	36	13.4	79	66	21	5	
GOODLAND	84	54	97	48	69	1	T	-1.1	T	T	1.1	33	16.9	126	75	24	2		
TOPEKA	90	59	99	50	74	2	T	1.6	T	T	1.6	165	28.3	112	85	31	3		
WICHITA	90	63	98	54	77	3	T	-2	T	T	2	21	17.8	84	75	29	3		
K. BOWLING GREEN	78	57	89	50	68	-6	T	-1	T	T	0	8	92	40.1	113	91	50	0	
LEXINGTON	79	56	93	46	68	-4	T	-3	T	T	0	3	28	27.3	80	89	43	1	
LA LOUISVILLE	80	59	92	52	70	-3	T	-1.6	T	T	0	6	66	32.1	101	85	50	1	
ALEXANDRIA	85	65	89	59	75	-5	T	-1.5	T	T	0	6	43.4	111	90	51	0		
BATON ROUGE	87	66	91	61	76	-4	T	-1	T	T	0	9	68	28.8	70	89	50	2	
LAKE CHARLES	86	65	90	59	76	-4	T	-1	T	T	0	5	37.1	100	99	60	1		
NEW ORLEANS	85	68	89	63	76	-4	T	-2.3	T	T	1.6	2.3	137	42.4	97	90	54	0	

+100 = NORMAL & ACTUAL NEAR THE SAME

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending SEPTEMBER 8, 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 Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	88	65	93	60	77	-3													
ME CARIBOU	63	46	69	33	55	-3													
PORTLAND	69	47	73	39	58	-4													
MD BALTIMORE	78	56	92	48	67	-5													
SALISBURY	79	55	94	46	67	-5													
MA BOSTON	71	54	78	49	62	-5													
CHATHAM	69	56	73	52	62	-2													
MI ALPENA	64	47	78	37	55	-4													
DETROIT	75	50	91	38	63	-4													
FLINT	74	51	88	38	63	-1													
GRAND RAPIDS	72	52	85	40	62	-3													
HOUGHTON LAKE	67	54	75	37	60	0													
LANSING	74	50	90	37	62	-3													
MARQUETTE	63	45	71	32	54	-3													
MUSKOGON	73	53	82	40	63	-2													
MN SAULT STE. MARIE	63	44	76	34	54	-4													
ALEXANDRIA	66	49	73	44	57	-4													
DULUTH	66	46	77	34	56	-1													
INT'L FALLS	63	43	72	31	53	-3													
MINNEAPOLIS	70	53	81	46	61	-3													
ROCHESTER	72	50	86	40	61	-2													
MS GREENWOOD	85	64	91	55	74	-4													
JACKSON	87	63	93	55	75	-4													
MERIDIAN	87	61	94	56	74	-4													
MO CAPE GIRARDEAU	83	60	95	53	72	-1													
COLUMBIA	82	60	93	48	71	-1													
KANSAS CIT.	85	60	97	52	72	2.9													
SAINT LOUIS	83	63	98	55	73	1.0													
SPRINGFIELD	87	61	99	51	74	4.0													
MT BILLINGS	74	51	86	46	62	2.6													
GLASGOW	72	47	88	42	59	0													
GREAT FALLS	74	47	88	43	61	-3													
HAVRE	71	45	91	39	58	0													
HELENA	74	47	84	41	61	-2													
KALISPELL	72	47	85	41	60	0													
MILES CITY	79	51	96	44	65	0													
MISSOULA	76	45	90	38	61	2.1													
NE GRAND ISLAND	83	55	97	48	69	1													
LINCOLN	83	57	100	50	70	-1													
NOFOLK	81	52	92	47	66	0													
NORTH PLATTE	85	46	100	39	66	0													
OMAHA	79	56	93	51	68	0													
SCOTTSDLUFF	86	53	96	46	70	0													
VALENTINE	82	49	98	43	66	0													
NV ELY	83	45	86	36	64	0													
LAS VEGAS	101	73	105	67	87	0													
RENO	87	50	90	42	69	0													
WINNEMUCCA	86	45	93	36	65	0													
NH CONCORD	68	44	74	35	56	-3													
NJ ATLANTIC CITY	79	55	95	46	67	0													
NM ALBUQUERQUE	87	59	90	56	73	0													
CLOVIS	82	57	90	52	70	0													
ROSWELL	84	59	92	54	72	0													
NY ALBANY	69	48	75	41	58	-3													
BINGHAMTON	67	48	75	42	57	-6													
BUFFALO	70	50	82	41	60	-5													
NEW YORK	72	58	79	53	65	-6													
ROCHESTER	68	52	81	43	60	-5													
SYRACUSE	66	48	75	38	57	-8													
NC ASHEVILLE	76	51	85	42	64	-6													
CHARLOTTE	81	59	90	54	70	-5													
GREENSBORO	78	56	89	46	67	-6													
HATTERAS	81	69	87	62	75	-1													
NEW BERN	84	63	93	58	73	-3													
RALEIGH	81	57	90	49	69	-5													
WILMINGTON	84	62	93	56	73	-3													
ND BISMARCK	72	44	79	34	58	-3													
FARGO	70	48	74	40	59	-3													
GRAND FORKS	71	45	76	35	58	-2													
WILLISTON	69	44	86	38	56	-4													
OH AKRON-CANTON	72	51	86	41	62	-5													
CINCINNATI	78	58	93	47	68	-3													
CLEVELAND	72	53	88	42	63	-4													
COLUMBUS	76	54	93	40	65	-4													

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending SEPTEMBER 8, 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 Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	75	55	92	42	65	-5	.8	.2	.7	.8	113	22.8	88	90	48	1	0	4	1
TOLEDO	72	51	86	40	62	-4	.8	.4	.4	.9	119	22.3	96	94	57	0	0	3	0
YOUNGSTOWN	71	53	86	42	62	-3	.3	-.5	.2	.3	30	26.3	98	94	59	0	0	2	1
OK OKLAHOMA CITY	87	66	93	56	77	1	.9	.2	.9	.9	106	16.7	72	66	32	3	3	1	1
TULSA	88	67	96	58	77	0	2.0	1.0	1.5	2.0	179	29.5	106	83	34	3	0	2	2
OR ASTORIA	66	52	73	41	59	-1	2.3	1.7	1.0	2.3	349	37.9	96	91	65	0	0	4	2
BURNS	77	41	84	38	59	-3	0	-1	0	0	0	7.3	155	67	67	0	0	0	0
MEDFORD	88	54	93	50	71	3	0	-1	0	0	0	7.6	88	27	4	0	0	0	0
PENDLETON	79	53	89	49	66	-1	.3	.1	.2	.3	167	8.7	113	76	31	0	0	2	2
PORTLAND	77	56	84	50	66	2	1.0	.7	.6	1.1	285	20.8	96	89	48	0	0	4	1
SALEM	77	51	83	39	64	0	.9	.7	.9	.9	294	24.2	105	93	48	0	0	2	1
PA ALLENTOWN	75	52	85	43	63	-5	.6	-.4	.5	.6	51	42.8	138	95	51	0	0	2	2
ERIE	72	55	84	46	64	-1	2.8	1.8	1.6	2.8	256	25.8	98	83	53	0	0	3	2
HARRISBURG	76	57	86	48	66	-4	T	-9	T	T	0	34.5	126	—	—	0	0	0	0
PHILADELPHIA	75	55	89	49	65	-6	1.0	.2	.8	1.0	105	36.4	123	80	46	0	0	2	1
PITTSBURGH	73	50	87	41	62	-5	.2	-.5	.2	.2	20	25.1	93	84	46	0	0	1	1
SCRANTON	71	51	80	43	61	-5	.8	0	.8	.8	83	30.9	126	88	50	0	0	1	1
RI PROVIDENCE	70	53	75	45	62	-5	.7	-.2	.5	.7	72	38.2	126	80	45	0	0	2	1
SC CHARLESTON	84	66	92	62	75	-3	.6	-.7	.6	.6	38	37.8	94	85	51	3	3	2	1
COLUMBIA	86	58	94	49	72	-5	T	-1	T	T	0	40.5	107	94	44	2	0	0	0
FLORENCE	84	60	91	54	72	-5	.2	-.9	.2	.2	16	36.5	108	97	47	3	0	1	1
GREENVILLE	80	59	88	52	70	-5	.2	-.8	.2	.2	20	50.1	136	82	44	0	0	0	0
SD ABERDEEN	71	48	76	40	60	-3	T	-.4	T	T	0	17.1	116	91	43	0	0	0	0
HURON	73	50	77	44	61	-3	.2	-.2	.1	.2	45	24.9	164	89	43	0	0	2	0
RAPID CITY	81	50	91	44	66	-1	T	-.3	T	T	0	13.0	94	58	22	2	0	0	0
SIoux FALLS	76	46	83	39	61	-4	.1	-.6	.1	.2	19	23.0	121	93	44	0	0	1	1
TN CHATTANOOGA	80	58	89	53	69	-4	.4	-.6	.4	.4	34	36.0	96	90	44	0	0	0	0
KNOXVILLE	80	53	89	46	66	-6	.4	-.3	.4	.4	50	39.5	116	100	47	0	0	1	1
MEMPHIS	84	65	92	59	75	-3	.8	-.1	.8	.8	81	38.2	101	88	54	1	1	1	1
NASHVILLE	81	58	90	51	70	-6	1.0	0	1.0	1.0	93	42.0	119	87	45	0	0	2	1
TX ABILENE	90	66	98	57	78	-1	.7	0	.7	.7	85	9.1	55	67	26	4	0	1	1
AMARILLO	83	54	91	47	69	-4	.6	-.1	.6	.6	111	13.6	87	71	26	0	0	1	1
AUSTIN	91	68	94	63	80	-2	.6	-.2	.6	.6	71	10.7	50	84	40	6	0	1	1
BEAUMONT	85	71	88	63	78	-4	1.5	0	.9	1.9	109	34.3	95	92	62	0	0	4	1
BROWNSVILLE	88	74	92	72	81	-2	1.1	-.1	.6	1.1	83	18.4	118	94	66	2	0	5	1
CORPUS CHRISTI	88	73	91	69	80	-3	2.8	1.4	2.1	2.8	173	12.8	65	93	59	2	0	3	1
DEL RIO	91	70	94	64	81	-2	.8	-.2	.8	.8	124	7.0	60	73	30	6	0	1	1
EL PASO	89	60	95	49	74	-2	.1	-.3	.1	.1	21	10.8	201	60	24	3	0	1	0
FORT WORTH	93	69	96	62	81	0	T	-.7	T	T	0	17.9	85	76	30	6	0	0	0
GALVESTON	81	73	84	68	77	-4	2.2	.8	2.0	2.4	149	18.8	70	89	63	0	0	3	1
HOUSTON	86	68	92	61	77	-4	.7	-.5	.7	.7	57	24.0	79	82	53	1	0	2	1
LUBBOCK	86	61	93	49	73	-1	.1	-.4	.1	.1	14	9.8	72	73	28	1	0	1	0
MIDLAND	90	60	100	51	75	-2	T	-.5	T	T	4	9.4	96	65	21	3	0	1	0
SAN ANGELO	89	62	95	52	76	-3	1.0	.3	.6	1.0	129	8.8	71	84	33	4	0	2	1
SAN ANTONIO	90	68	93	60	79	-3	.8	-.1	.8	.8	80	13.3	67	83	40	3	0	1	1
VICTORIA	88	70	93	62	79	-3	.5	-1.0	.2	.5	29	17.9	72	97	59	4	0	2	0
WACO	93	67	96	57	80	-2	.1	-.6	.1	.1	18	14.6	68	84	36	7	0	1	0
WICHITA FALLS	92	67	99	55	79	0	.1	-.6	.1	.1	14	10.0	52	76	29	4	0	1	0
UT BLANDING	86	50	89	46	68	2	0	-.2	0	.2	75	5.6	76	51	20	0	0	0	0
CEDAR CITY	87	52	92	42	70	3	0	-.2	0	0	0	10.2	141	61	16	2	0	0	0
SALT LAKE CITY	85	58	94	50	71	3	.3	0	.2	.3	104	14.1	129	68	24	3	0	2	0
VT BURLINGTON	66	46	74	39	56	-6	.2	-.6	.2	.2	17	25.5	108	91	46	0	0	1	0
VA NORFOLK	81	63	96	59	72	-3	T	-1.1	T	T	3	37.5	114	78	45	2	0	1	0
RICHMOND	82	56	99	47	69	-4	.6	-.3	.4	.6	60	37.9	121	92	45	2	0	2	0
ROANOKE	77	53	90	46	65	-6	1.2	.4	1.1	1.2	132	36.2	129	96	48	1	0	2	1
WA COLVILLE	76	46	83	34	61	0	.3	.1	.2	.3	113	17.5	157	77	34	0	0	2	0
QUILLA UTE	65	48	70	39	56	-2	2.1	1.2	1.2	2.3	211	68.4	115	99	70	0	0	5	2
SEATTLE-TACOMA	70	54	80	48	62	0	.4	0	.4	.4	88	21.1	97	85	49	0	0	0	0
SPOKANE	78	51	89	44	64	1	.2	0	.1	.2	91	10.8	102	79	26	0	0	4	0
YAKIMA	80	48	87	40	64	0	0	-.1	0	0	5	3	105	72	30	0	0	0	0
WV BECKLE	71	52	83	44	62	-4	.4	-.5	.3	.4	38	30.3	97	89	51	0	0	2	0
CHARLESTON	79	55	91	49	67	-4	1.8	1.0	1.7	1.8	199	28.0	88	90	48	1	0	3	1
HUNTINGTON	79	55	93	48	67	-4	.7	-.1	.7	.7	76	25.7	85	82	44	1	0	2	1
PARKERSBURG	77	56	92	48	66	-4	.1	-.7	.1	.1	8	21.5	67	91	49	1	0	1	0
WI GREEN BAY	69	52	84	45	61	-1	.3	-.5	.2	1.9	213	23.5	114	94	56	0	0	5	0
LA CROSSE	74	52	91	43	63	-2	.5	-.4	.2	.5	52	22.3	96	92	48	1	0	4	0
MADISON	74	51	87	42	63	0	.3	-.5	.1	.3	30	21.0	90	89	49	0	0	3	0
MILWAUKEE	73	56	87	46	64	-1	.1	-.6	.1	.6	76	24.3	107	91	52	0	0	3	0
WAUSAU	68	51	84	43	60	-1	.5	-.4	.2	.6	54	26.4	111	96	57	0	0	5	0
WY CASPER	80	42	90	36	61	-1	.1	0	.1	.1	75	10.8	123	75	19	1	0	1	0
CHEYENNE	76	46	87	41	61	0	T	-.3	T	T	1	15.0	136	81	25	0	0	1	0
LANDER	79	51	89	40	65	3	.1	-.1	.1	.1	29	11.0	110	48	21	0	0	1	0
SHERIDAN	83	44	95	40	64	3	.1	-.2	.1	.1	21	10.9	96	66	21	0	0	1	0
PR SAN JUAN	89	77	92	76	83	1	.5	-.9	.3	.6	26	26.5	78	83	60	2	1	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

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

LAST DATE OF DATA COLLECTION PERIOD IS 9-8-1984
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

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

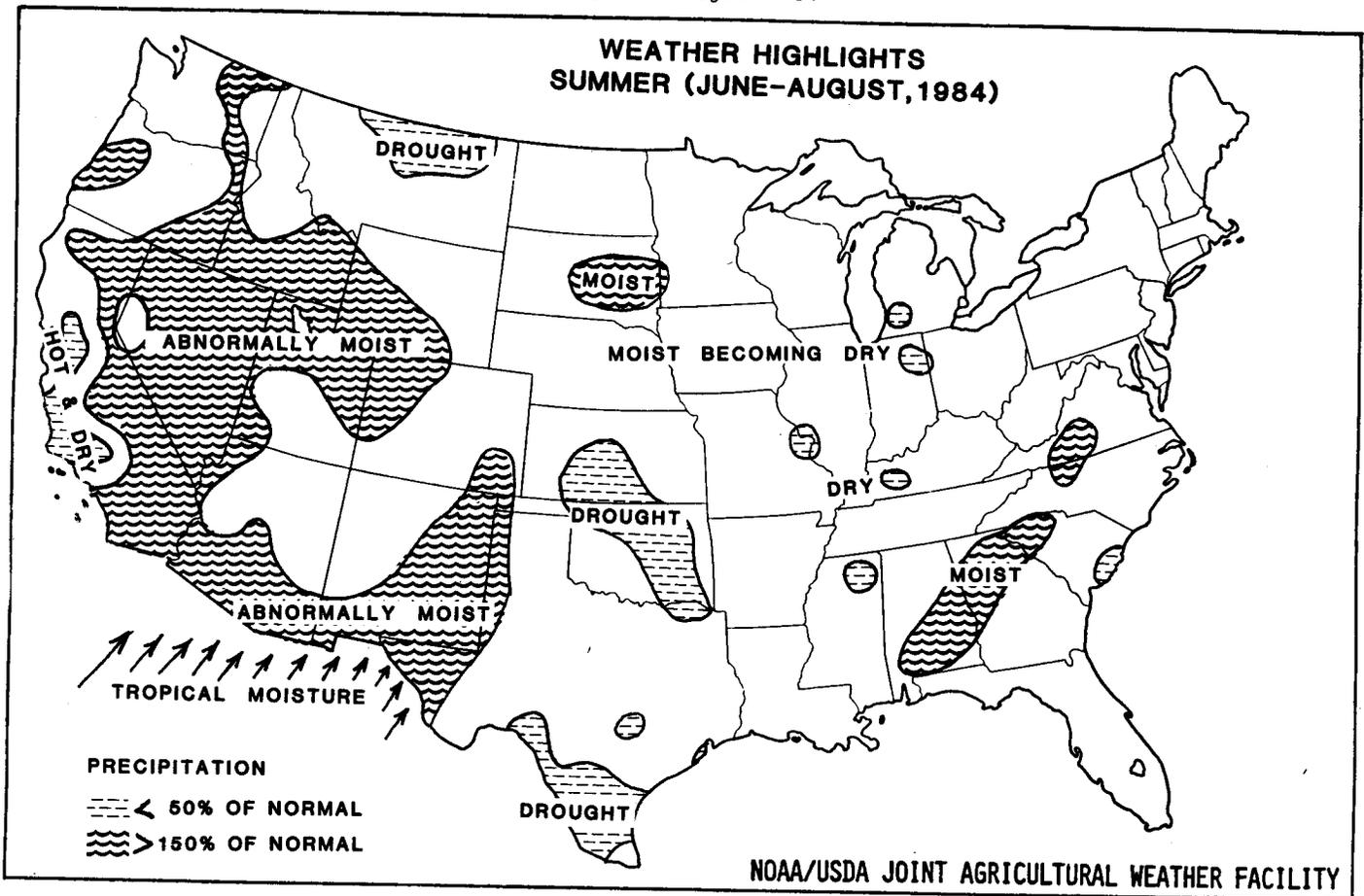
Heating Degree Days (Base 65° F.)

August 1984

ALA. Birmingham	0	MAINE, Caribou	57	OKLA. Okla. City	0
Mobile	0	Portland	13	Tulsa	0
Montgomery	0	MD. Baltimore	1	OREG. Astoria	155
ALASKA, Anchorage	254	MASS. Boston	0	Burns	42
Barrow	799	Chatham	0	Medford	0
Fairbanks	336	MICH. Alpena	39	Pendleton	0
Nome	615	Detroit	4	Portland	2
ARIZ. Flagstaff	51	Flint	12	Salem	12
Phoenix	0	Grand Rapids	4	PA. Allentown	1
Tucson	0	Houghton Lake	28	Erie	5
Winslow	0	Lansing	13	Harrisburg	0
Yuma	0	Marquette	72	Philadelphia	0
ARK. Fort Smith	0	S. Ste. Marie	51	Pittsburgh	7
Little Rock	0	MINN. Duluth	40	Scranton	6
CALIF. Bakersfield	0	Internatl Falls	50	R.I. Providence	0
Eureka	142	Minneapolis	12	S.C. Charleston	0
Fresno	0	Rochester	18	Columbia	0
Los Angeles	0	St. Cloud	29	Greenville	0
Red Bluff	0	MISS. Jackson	0	S. DAK. Aberdeen	15
Stockton	0	Meridian	0	Huron	7
San Diego	0	MO. Columbia	0	Rapid City	0
San Francisco	34	Kansas City	0	Sioux Falls	12
COLO. Denver	1	St. Louis	0	TENN. Chattanooga	0
Grand Junction	0	Springfield	0	Knoxville	0
Pueblo	0	MONT. Billings	3	Memphis	0
CONN. Bridgeport	0	Glasgow	20	Nashville	0
Hartford	3	Great Falls	18	TEX. Abilene	0
D.C. Washington	0	Havre	27	Amarillo	0
FLA. Apalachicola	0	Helena	7	Austin	0
Ft. Myers	0	Kalispell	50	Beaumont	0
Jacksonville	0	Miles City	2	Brownsville	0
Key West	0	Missoula	18	Corpus Christi	0
Miami	0	NEBR. Grand Island	0	Del Rio	0
Orlando	0	Lincoln	0	El Paso	0
W. Palm Beach	0	Norfolk	1	Fort Worth	0
Tallahassee	0	North Platte	0	Galveston	0
Tampa	0	Omaha	1	Houston	0
GA. Atlanta	0	Valentine	0	Lubbock	0
Augusta	0	NEV. Ely	21	Midland	0
Macon	0	Las Vegas	0	San Angelo	0
Savannah	0	Reno	8	San Antonio	0
IDAHO, Boise	8	Winnemucca	11	Victoria	0
Lewiston	7	N.H. Concord	27	Waco	0
Pocatello	7	N.J. Atlantic City	0	Wichita Falls	0
ILL. Cairo	0	N. MEX. Albuquerque	0	UTAH, Milford	0
Chicago	1	N.Y. Albany	8	Salt Lake City	0
Moline	4	Binghamton	19	VT. Burlington	24
Peoria	1	Buffalo	22	VA. Lynchburg	0
Rockford	9	New York	0	Norfolk	0
Springfield	0	Rochester	7	Richmond	0
IND. Evansville	0	Syracuse	33	Roanoke	0
Fort Wayne	1	N.C. Asheville	0	WASH. Colville	-
Indianapolis	0	Charlotte	0	Quillayute	185
South Bend	0	Greensboro	0	Seattle-Tacoma	42
IOWA, Des Moines	0	Hatteras	0	Spokane	18
Dubuque	8	Raleigh	0	Walla Walla	0
Souix City	5	Wilmington	0	Yakima	23
KANS. Concordia	0	N. DAK. Bismarck	27	W. VA. Beckley	14
Dodge City	0	Fargo	13	Charleston	0
Goodland	0	Williston	25	Huntington	0
Topeka	0	OHIO. Akron-Canton	16	WIS. Green Bay	20
Wichita	0	Cincinnati	0	Madison	21
KY. Lexington	0	Cleveland	17	Milwaukee	7
Louisville	0	Columbus	3	WYO. Casper	0
LA. Baton Rouge	0	Dayton	8	Cheyenne	0
Lake Charles	0	Toledo	15	Lander	15
New Orleans	0	Youngstown	13	Sheridan	3
Shreveport	0				

Based on 1951-80 normals.

Summer Weather Review
June, July, and August 1984



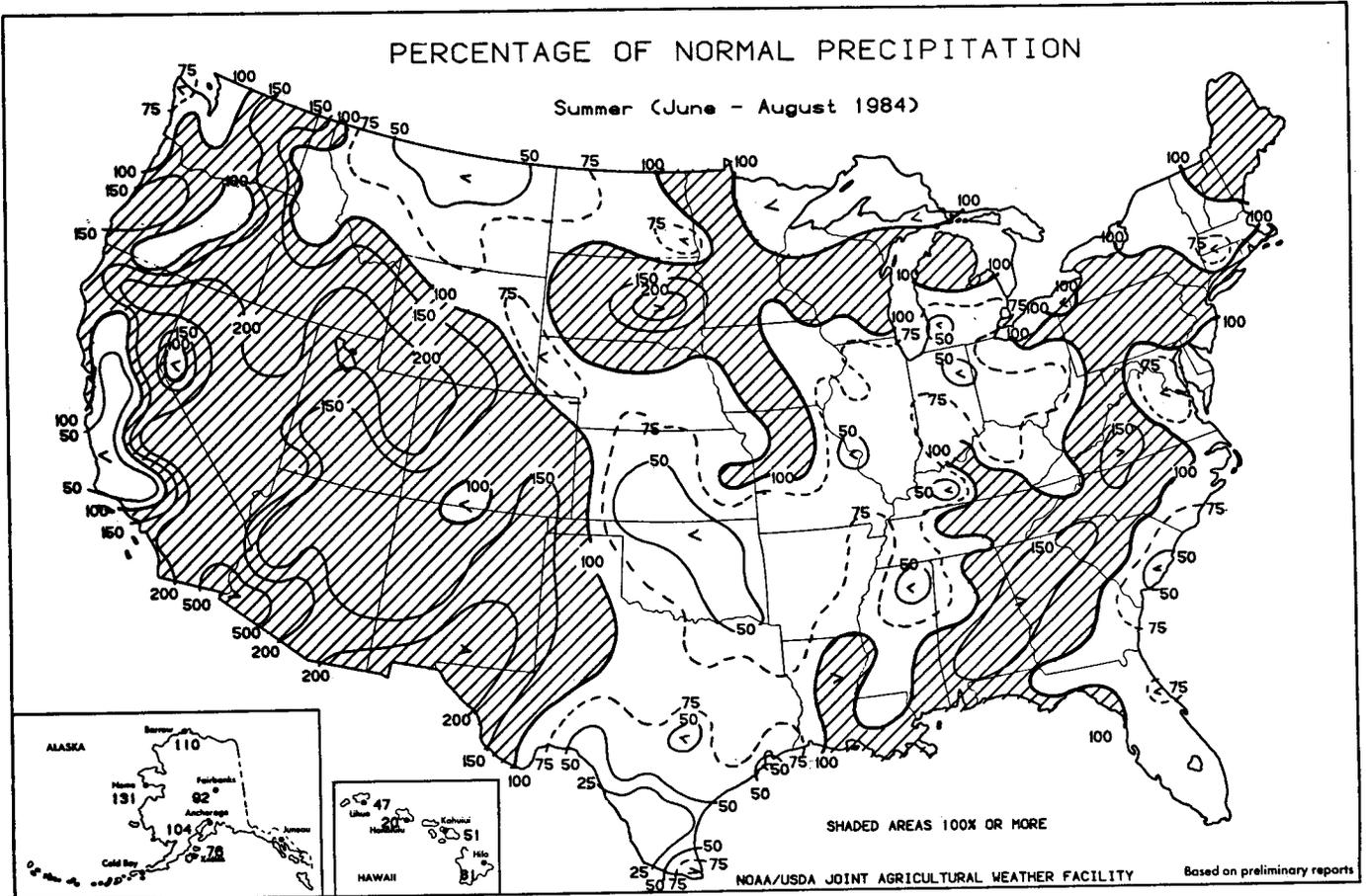
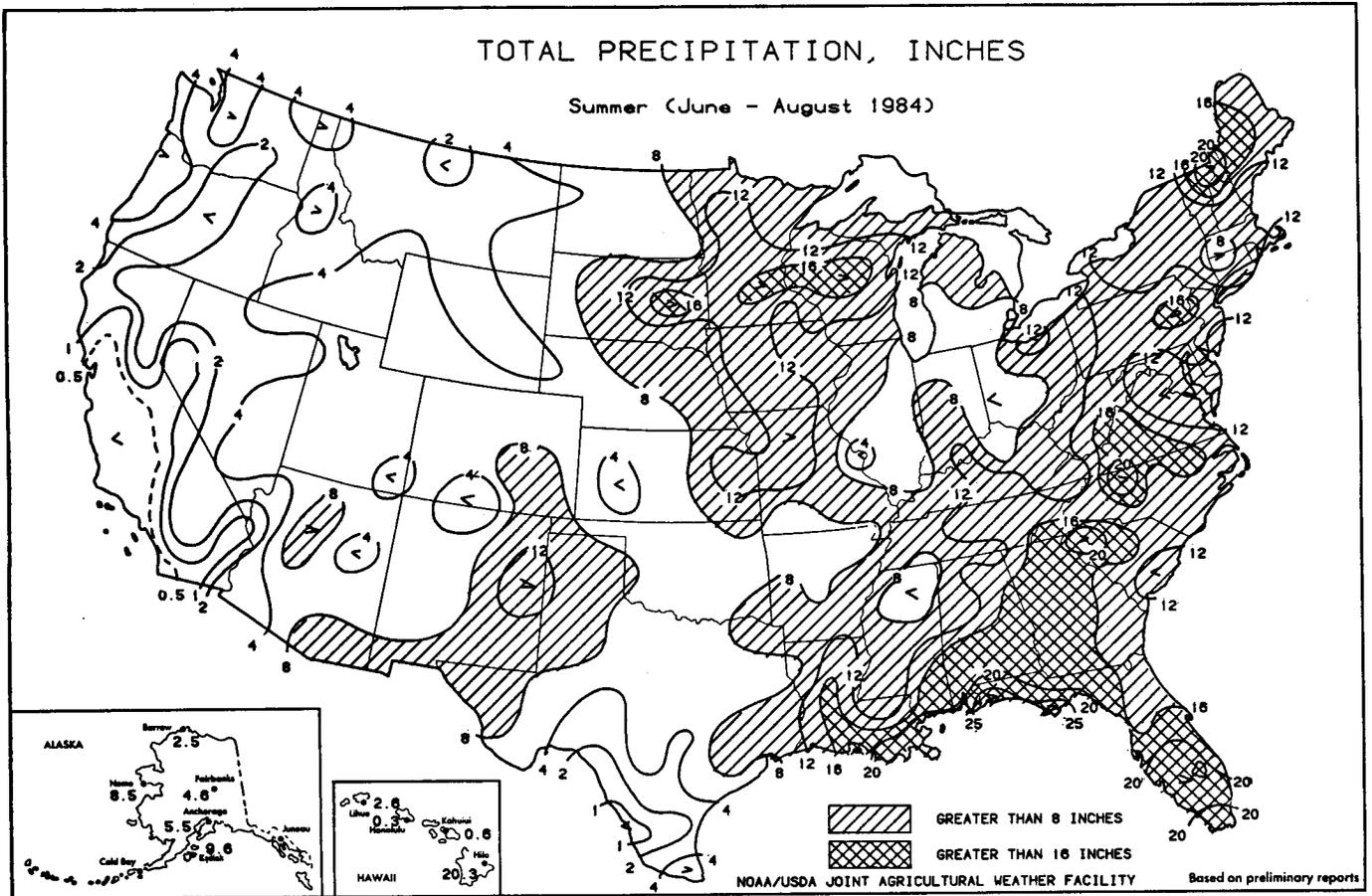
HIGHLIGHTS... Abnormal dryness prevailed over much of the central Nation, stressing crops and forcing water conservation. Less than half the normal rainfall was measured in parts of the central Plains, south Texas, north central Montana, the Corn Belt, and central California. Wetness in the western Corn Belt changed to dryness as the season progressed, and some crops suffered. In contrast, it was unusually moist over the southeastern Piedmont and parts of the Southwest and Great Basin, where abundant tropical moisture flowed northward out of western Mexico. Yuma, Arizona saw more than 5 times its normal amount of rain as showers were unusually frequent in July and August.

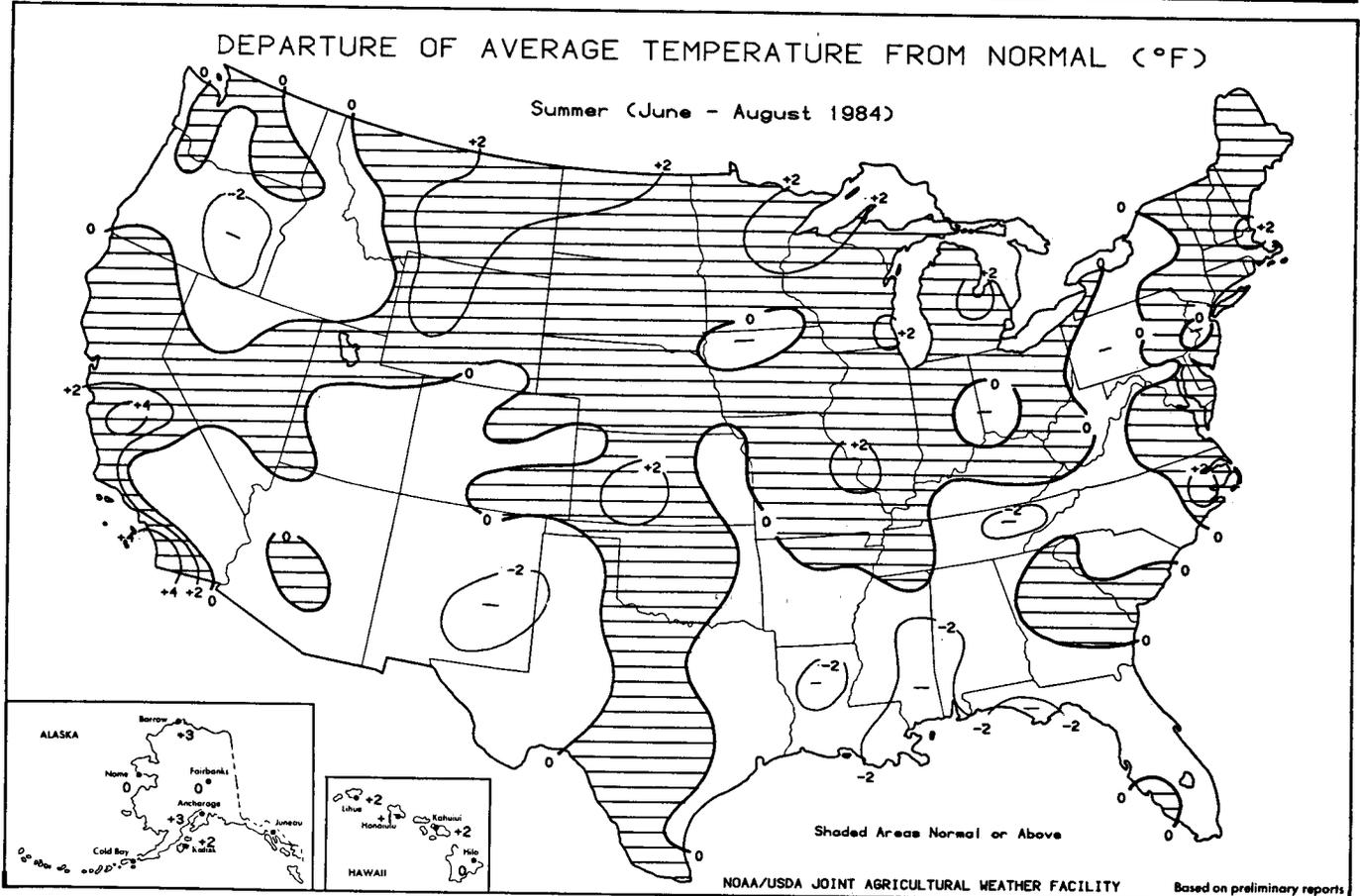
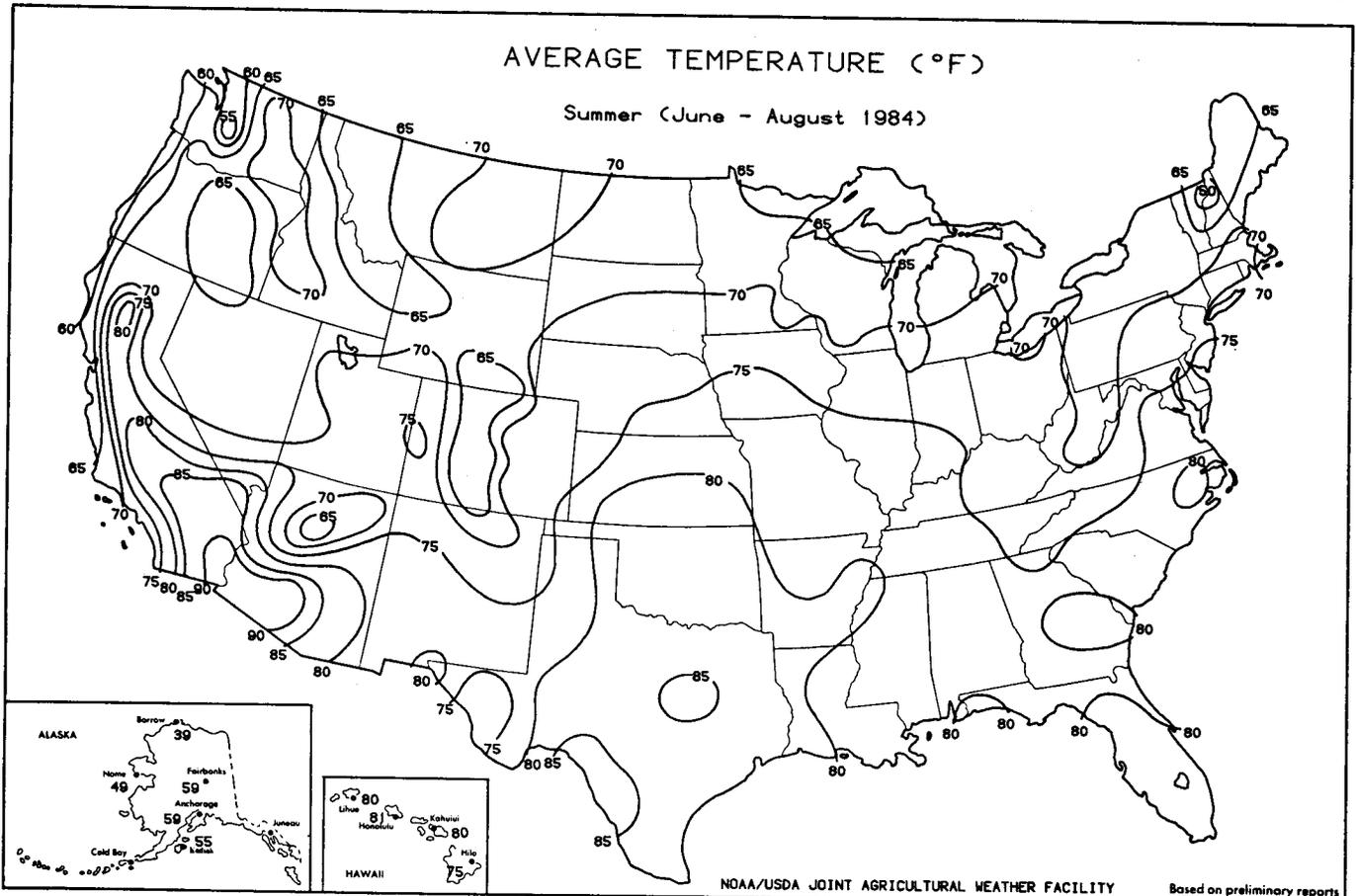
JUNE... Earlier, a near stationary ridge of high pressure was established over the Southeast, causing warm, moist air to flow northward through the Plains, and finally over all of the East. At the same time, an unusually cold mass of air moved over the Rockies and into the northern Plains, resulting in severe weather and heavy downpours of rain, causing widespread flooding along the lower Missouri River Valley from South Dakota to northern Missouri. Through this area, the river rose out of its banks flooding and washing out many newly planted fields. Rain was less than normal from South-central Texas to Michigan; and the eastern Corn Belt and parts of Texas began to show moisture stress. Moisture was also short in parts of the Southeast and mid-Atlantic States, but rain fell at the end of the month. Western Texas experienced beneficial showers during most of the month. Average temperatures were cooler than normal over the Rockies and Plateau, parts of the northern Plains, and the southern Florida coast. Average

temperatures were 2-4 degrees warmer than normal from Illinois into the mid-Atlantic States.

JULY... Drought covered the area from south-central Texas through Oklahoma, central Kansas, and parts of Nebraska. Relief came to parts of central Texas late in the month; but the drought worsened in the north, and began to spread eastward through southern Missouri. Drought also covered parts of the Pacific Northwest through Montana, and parts of the northern Plains. A heat wave dominated California until cooler air moved in later in the month. Showers and thunderstorms produced well-above normal rain in the Southwest, the Plateau, and the central Rockies. Showers and thunderstorms kept the east coast wet for most of the month. The Corn Belt had adequate moisture in most areas, but southern Michigan, southern Illinois, and parts of Ohio were too dry. Cooler than normal weather kept moisture demand low, and helped corn and soybean pollination. Much of the Nation was cooler than normal, but most of California and the dry areas of the northern Plains were warmer than normal.

AUGUST... Abnormal dryness dominated much of the Nation. Less than half the normal rainfall was recorded over parts of the Great Plains, Corn Belt, mid-Mississippi Valley, eastern seaboard, and west coast. In contrast, a few areas measured twice the usual rainfall, such as the central and southern Rockies, and parts of the Great Basin and Delta States. Hot Temperatures, up to 4 degrees above normal, blanketed much of the central and northern Plains, northern Corn Belt, as well as central and southern California. Unusual cloudiness and wetness kept southeastern New Mexico much cooler than normal.





National Agricultural Summary

September 3-9, 1984

HIGHLIGHTS: Moderate to heavy showers benefited soybean sizing from eastern Oklahoma through most of the southern Corn Belt; but the benefit to the corn crop was limited because of the late development stage in many areas. Dry conditions continued to limit the Great Plains winter wheat seeding. Many northern areas reported scattered midweek frosts, but crop damage was minimal. Hot, dry California weather was ideal for raisin drying. Farmers had 5-7 days available for fieldwork in all regions. Soil moisture supplies were generally short to mostly adequate, except supplies were mostly short in the northern Plains and western Corn Belt.

Winter wheat seeding of the 1985 crop reached 8% completion, trailing the normal in most States. Spring wheat harvesting was 98% complete, 14 points above average. Corn harvesting began in parts of the Corn Belt. Cotton picking began in the Delta States and continued active in Texas. Sorghum harvesting was confined to Texas where 63% of the acreage was combined. Rice was 32% harvested, 3 points below average. Fall vegetable harvesting and apple picking gained momentum. Range fires continued in portions of Montana and Oklahoma. Dry conditions caused further pasture and range deterioration across the northern and central Plains and the western Corn Belt. Herds began moving to lower elevations in the western mountains.

SMALL GRAINS: The 1984 winter wheat harvest neared completion in the Northwest. Dry conditions delayed seeding of the 1985 crop across most of the Great Plains. In the 15 major producing States, seeding was 8% complete, 2 points ahead of last year but 1 point behind average. Planting was underway in all States, except California, Illinois, Missouri, and Ohio, will begin seeding at a later date. Idaho and Washington were the only States equal to or ahead of schedule. Progress ranged from 1% seeded in Indiana to 28% in Washington. Kansas and Oklahoma producers seeded 3% of their acreage, and Texas growers planted 8%.

Spring wheat was 98% harvested, 1 point ahead of last year and 14 points above average. Fair Idaho weather during the week allowed 14% of the acreage to be combined, but progress was 6 points behind normal.

CORN: Corn continued in fair to good condition, but poor to fair stands were reported in Missouri. Rain across the southern Corn Belt provided limited benefit because of the advanced maturity. In the 17 major producing States, 96% reached the dough stage, 78% the dent stage, and 22% matured. Normally, about 96% reach the dough stage, 72% in or past the dent stage, and 27% is mature. Harvesting was just getting underway in the Corn Belt; Missouri producers harvested 8% of their crop. Harvesting continued active across the South, advancing to 87% complete in Louisiana and 63% in Georgia.

SOYBEANS: Heavy showers benefited soybean pod filling from eastern Oklahoma through the southern Corn Belt. However, dry conditions persisted in the northern Corn Belt. The remainder of the eastern half of the Nation received scattered showers, helping some stands. Soybeans rated mostly fair to good in most producing regions. In the 18 major producing States, 96% of the acreage set pods and 13% dropped leaves. Normally, 95% sets pods and 13% drops leaves.

COTTON: Cotton rated fair to mostly good condition, but some areas of the southern Plains reported poor stands. In the 14 major producing

States, bolls opened on 31% of the acreage, 3 points behind the average for this date. Harvesting just began in Louisiana, and was 11% complete in Texas. Cooler temperatures slowed development on the Texas High Plains. Showers benefited stands on the Low Plains, but additional moisture is needed. Harvesting was active in the Blacklands and central Texas.

SORGHUM: Warm, dry weather continued to stress dryland fields across the central and northern Plains. However, rains benefited portions of Texas and from eastern Oklahoma through Missouri. The crop was in generally fair to good condition. In the 7 major producing States, 65% was turning color and 32% was mature. This compares with 62% turning color, and 28% mature last year. Harvesting was concentrated in Texas where 63% of the acreage was combined.

OTHER CROPS: Tobacco growers actively topped and harvested their crop. Kentucky burley growers cut 50% of their acreage, while North Carolina producers harvested 33%. Maryland growers cut 70% of their tobacco, while Georgia farmers were 97% finished.

Southeast peanuts rated fair to mostly good. Digging was widespread; progress ranged from just beginning in Virginia and Texas, to 34% dug in Mississippi. Georgia producers were 13% finished, trailing the 22% average.

Rice harvesting gained momentum in all producing areas. In the five major producing States, 32% was harvested, 3 points behind the average. Progress ranged from 5% combined in Arkansas and California to 97% complete in Texas.

VEGETABLES: Fall vegetable harvesting gained momentum as summer crop picking neared completion. Potato vine-killing was active in Idaho and Maine, where harvesting got underway. Showers reduced Florida irrigation. Planting and transplanting continued very active. Early sweet corn silked and tomatoes formed small fruits. Showers interrupted planting in the Texas Rio Grande Valley High Plains. Potato and onion harvesting wound down. California growers harvested good volumes of broccoli, cauliflower, celery, lettuce, and market tomatoes. Processing tomato harvesting was active but declining.

FRUITS AND NUTS: Northern area apple picking gained momentum, while peach harvesting neared completion. Florida's citrus groves continued in generally good condition with sufficient soil moisture. Packers tested grapefruit for early fruit shipments. Citrus groves in the Texas Rio Grande Valley showed fair regrowth. California table grape harvesting reached the half-way mark. Raisins had good drying weather and were being rolled. Nectarine and peach picking neared completion. New citrus sized well. Almond harvesting was in full swing.

PASTURE AND RANGES: Pastures and ranges improved after rains crossed portion of the southern Plains and southern Corn Belt. However, conditions remained dry across the remainder of the Plains and Corn Belt. Conditions were mostly fair to good across the Nation. Livestock began moving to lower elevations in the West. Range fires burned large areas in Montana and Oklahoma.

CROP PROGRESS
FOR WEEK ENDING SEPT 9, 1984

	CORN % DOUGH		
	1984	1983	AVG.
COLO	92	92	86
GA	100	100	100
ILL	100	100	100
IND	100	99	98
IOWA	95	97	94
KANS	99	95	96
KY	99	100	100
MICH	95	100	100
MINN	98	98	94
MO	100	100	98
NEBR	98	90	96
N C	97	100	100
OHIO	98	98	98
PA	87	95	93
S DAK	83	89	88
VA	96	98	99
WIS	85	85	87
17 STATES	96	96	96

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

	CORN % DENT		
	1984	1983	AVG.
COLO	70	59	54
GA	100	100	100
ILL	89	92	85
IND	90	80	75
IOWA	79	82	72
KANS	80	60	70
KY	90	78	84
MICH	60	65	61
MINN	81	81	64
MO	91	94	85
NEBR	75	80	65
N C	91	97	96
OHIO	75	85	75
PA	33	51	52
S DAK	57	70	67
VA	87	86	89
WIS	55	59	55
17 STATES	78	80	72

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

	CORN % MATURE		
	1984	1983	AVG.
COLO	8	7	8
GA	97	99	99
ILL	22	35	40
IND	20	20	20
IOWA	21	50	25
KANS	40	30	35
KY	30	23	34
MICH	5	10	13
MINN	14	16	9
MO	40	52	41
NEBR	10	10	10
N C	84	85	86
OHIO	20	25	25
PA	1	6	7
S DAK	16	33	27
VA	62	66	71
WIS	15	33	26
17 STATES	22	32	27

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

	WINTER WHEAT % PLANTED		
	1984	1983	AVG.
CALIF	0	0	0
COLO	20	11	25
IDAHO	8	6	7
ILL	0	0	0
IND	1	0	1
KANS	3	2	5
MO	0	0	0
MONT	5	10	10
NEBR	15	15	20
OHIO	0	0	0
OKLA	3	5	5
OREG	2	2	3
S DAK	25	24	27
TEX	8	1	9
WASH	28	34	28
15 STATES	8	6	9

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

	SORGHUM % HEADED		
	1984	1983	AVG.
COLO	95	91	94
KANS	95	85	90
MO	100	100	100
NEBR	100	100	100
OKLA	100	99	98
S DAK	97	94	99
TEX	98	98	99
7 STATES	97	94	96

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

	SORGHUM % COLORING		
	1984	1983	AVG.
COLO	53	47	43
KANS	45	40	45
MO	80	75	70
NEBR	65	80	65
OKLA	85	60	80
S DAK	57	67	63
TEX	80	75	80
7 STATES	65	62	63

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

	SORGHUM % MATURE		
	1984	1983	AVG.
COLO	7	5	8
KANS	10	5	10
MO	52	37	34
NEBR	4	6	8
OKLA	30	10	30
S DAK	11	17	13
TEX	65	61	68
7 STATES	32	28	32

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

	SPRING WHEAT % HARVESTED		
	1984	1983	AVG.
IDAHO	72	75	78
MINN	99	98	88
MONT	95	95	75
N D	100	98	83
S DAK	100	100	100
5 STATES	98	97	84

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

	SOYBEANS % SETTING PODS		
	1984	1983	AVG.
ALA	89	91	95
ARK	88	80	83
GA	93	93	92
ILL	100	100	100
IND	100	100	100
IOWA	100	100	100
KANS	96	95	90
KY	95	92	95
LA	99	93	94
MICH	100	100	100
MINN	100	100	100
MISS	85	80	93
MO	96	93	89
NEBR	100	100	100
N C	85	79	77
OHIO	100	100	100
S C	91	82	89
TENN	97	97	96
18 STATES	96	95	95

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

	SOYBEANS % DROPPING LEAVES		
	1984	1983	AVG.
ALA	0	4	6
ARK	0	11	12
GA	6	15	14
ILL	20	28	20
IND	15	15	15
IOWA	15	17	11
KANS	25	25	15
KY	11	10	13
LA	3	14	10
MICH	15	10	12
MINN	16	16	16
MISS	2	1	8
MO	36	31	20
NEBR	4	10	8
N C	0	0	0
OHIO	5	15	15
S C	0	0	0
TENN	2	2	6
18 STATES	13	16	13

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

	RICE % HEADED		
	1984	1983	AVG.
ARK	96	98	97
CALIF	100	80	86
LA	99	96	98
MISS	100	97	97
TEX	100	100	100
5 STATES	98	95	96

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

	RICE % HARVESTED		
	1984	1983	AVG.
ARK	5	5	12
CALIF	5	0	1
LA	74	64	76
MISS	7	5	14
TEX	97	96	98
5 STATES	32	29	35

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

	COTTON % BOLLS OPENING		
	1984	1983	AVG.
ALA	28	24	30
ARIZ	75	60	70
ARK	28	50	42
CALIF	70	35	39
GA	32	45	55
LA	33	28	44
MISS	41	46	61
MO	76	58	46
N MEX	35	10	18
N C	59	70	55
OKLA	20	2	10
S C	48	72	67
TENN	15	38	26
TEX	16	20	25
14 STATES	31	29	34

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 averaged 5 to 10° below normal. Rainfall scattered 0.00 to 1.76 in.

Soil moisture short to adequate. Fieldwork: 5.9 days. Corn mature 96%, 93% 1983. Corn harvested 46%, 53% 1983, 54% average. Soybeans setting pods 89%, 91% 1983, 95% average. Soybeans turning yellow 11%, 17% 1983, 25% average. Soybeans dropping leaves 0%, 4% 1983, 6% average. Cotton bolls open 28%, 24% 1983, 30% average. Peanuts dug 10%, 5% 1983, 12% average. Sorghum harvested 25%, 34% 1983. Activities: Harvesting corn, sorghum, and vegetables; cutting hay and silage; disease and insect control in field crops; preparing for fall planting; and routine care of livestock and poultry. Conditions: Corn fair to mostly good; cotton, sorghum, and pasture mostly good; soybeans and peanuts good.

ALASKA: Northerly flow caused unseasonably cold temperatures in northern valleys, some rain or snow falling midweek while southern valleys enjoyed fair weather.

Cooler than normal temperatures, rains, heavy dew and frost delayed harvest, Tanana Valley. Up to 7.0 days available, cool, sunny skies, Matanuska Valley. Hard frost September 1st and 2nd ended growing season, Delta, Tanana Valley. Matanuska Valley; scattered heavy frost damaged tender vegetables, potato vines. Second crop hay harvest half way point. Small grain harvest delayed wet conditions, barley for grain over 45% ripe. Swathing underway. Potato harvest full swing, early varieties, 25 to 50% complete. Soil moistures adequate.

ARIZONA: Sunny skies dominated weather except for lingering thundershowers over central part early 9th. Few thundershowers afternoon of 8th between Organ Pipe Cactus National Monument and Yuma as hurricane Marie increased moisture. Much drier air 5th, 6th ending 72 days of high humidities. Average temperatures varied from 10° below normal to 40° above.

Cotton 75% open bolls, 60% last year, 70% average. Crop condition deteriorated some, mostly average. Growers insect, disease problems increased. Bud worms, pink boll worms continued to plague many growers. Some growers beginning harvest. Alfalfa good condition, harvest active. Fall lettuce planting active Yuma County. Apple packing continued. Some bell, chili peppers harvested. Lemon picking increased Yuma County. Few lemons picked Hyder area. Picking expected to start Salt River Valley 17th.

ARKANSAS: Pleasant week, temperatures ranged from 40° below to 20° above normal. High 98°, low 47°. Locally heavy thunderstorms mainly in northwest at end of week. Most rainfall 5.30 in., least 0.

Soil moisture slightly below adequate northeast and southwest. Short elsewhere. Days favorable for fieldwork: 6.5. Cotton good condition; open bolls 28%, 50% 1983, 42% average; less than 5% harvest this year, 1983 and average. Rice good condition; headed 96%, 98% 1983, 97% average; ripe 24%, 22% 1983, 41% average; harvested 5%, 5% 1983, 12% average. Soybeans good condition; blooming 95%, 96% 1983, 94% average; setting pods 88%, 80% 1983, 83% average; yellowing 3%, 15% 1983, 18% average; no shedding of leaves this year, 11% 1983, 12%

average. Corn good; harvested 67%, 66% 1983, 51% average. Sorghum good; harvested 25%, 31% 1983, 36% average. Pastures slightly below average. Livestock condition is good to fair.

CALIFORNIA: Weekly mean temperatures again above normal statewide except for headwaters of the Sacramento river and extreme northeast corner. Statewide, the weekly mean temperature about 5° above normal. Greatest departures from normal along the south and central coasts. All divisions except Cascade-Sierra with at least one locality with temperatures 100° or higher. First week since the beginning of August with no rain reported from any division.

Rice 100% headed, 80% last year, 86% average; 5% harvested, 0% last year, 1% average. High yields expected. Good progress field corn; grain drying, silage harvesting. Sugarbeets harvesting, nematode problems. Good weather continued cotton development; 70% open bolls, 35% last year, 39% average. Defoliation underway. Alfalfa cutting active, seed harvested. Dry bean harvesting, blackeyes drying. Safflower harvest near complete. Wheat, barley stubble worked fall planting. Rain damage hay quality desert areas. Apple harvest continues. Hass avocado continues, low prices. Table grape harvest at half-way point. Raisins being rolled. Wine grapes have high sugar content. Nectarine and peach harvest nearly complete, good prices. Bartlett pear harvest complete. Prune quality excellent. Summer grapefruit has good quality. Desert lemons have good quality, prices. New citrus sizing well. Spraying citrus for Red Scale. Almond harvest full swing. Walnut hulls splitting. Processing snap bean harvest full swing. Broccoli fairly heavy supply. Cantaloupe harvest decreasing, fall desert crop blooming. Cauliflower good supply wide range quality. Celery good supply large sizes, small sizes scarce. Lettuce fairly heavy supply wide range quality and size. Harvest summer potatoes continues, very light harvest fall Norgolds. Market tomato harvest active. Processing tomato harvest active but decreasing. Hot dry weather caused fire danger to be extremely high. Supplemental feeding increasing central, southern districts. Movement livestock from summer ranges gaining momentum. Stock water supplies being depleted.

COLORADO: Warm and very dry with no significant weather systems. Temperatures mostly 1 to 30° above normal; maximum 50° above normal in the southeast.

Winter wheat 20% planted, slowed by shortage of soil moisture; 1983, 11%; average, 25%. Plant emergence at 4%; 1983 and average, 5%. About 92% of corn in dough stage; 1983, 92%; average, 86%, 70% denting; 1983, 59%; average, 54%. Silage harvest at 18%; 1983 and average, 10%. About 53% of sorghum turning color; 1983, 47%; average, 43%, 7% mature; 1983, 5%; average 8%. Second cutting alfalfa 91% complete; 1983, 84%; average, 90%. Third cutting at 41%; 1983, 38%; average, 45%. Barley harvest 84% complete; 1983, 79%; average, 82%. Spring wheat harvest at 42%; 1983, 51%; average, 57%. Fall potato harvest just started. Summer potato harvest 62% complete; 1983, 37%; average, 47%. Dry beans 41% cut; 1983, 36%; average, 31%, 26% threshed; 1983, 14%; average, 11%. Onion harvest 21%

complete; 1983, 22%; average, 24%. Average 6.5 days of fieldwork.

FLORIDA: The first fairly strong cool front of the season moved into the State 4th and 5th, spreading showers, thunderstorms followed by cool, drier air, on the 7th, a lower pressure system from the Bahamas developed into Tropical Storm Diana. Because of the northerly flow of the west side of this storm, several record low temperatures were set around the State. At weekend the storm had a slow northwest track, spreading showers, thunderstorms over northern half of State. Sunny skies prevailed, south.

Soil moisture adequate south, central areas; short, parts of north, Panhandle areas. Corn harvest continued for late planted corn but majority of crop harvested. Soybeans fair to good condition, early beans beginning to mature. Insect pressure increased, pesticide application active. Peanut harvest in full swing. Early cotton opening rapidly, but replanted cotton later than normal. Hay making active in dry areas. Sugarcane good condition cutting for seed underway. Pasture condition declined slightly but remains mostly good to excellent; south; fair to good, north, Panhandle. Calves being moved to market. Cattle generally good condition statewide. Commercial citrus groves generally in good condition. Soil moisture sufficient all areas. Packers conducting maturity tests on grapefruit for early fruit shipments. Afternoon thundershowers prevailed vegetable areas during week. Fieldwork very active. Plantings increasing snap beans, cucumbers, cabbage, eggplant, peppers, celery, sweet corn, squash, tomatoes. Plantings getting underway escarole, endive, radishes. Early crops sweet corn in silking stage, early fields of tomatoes growing well, forming small fruit.

GEORGIA: Average temperatures near normal southeast, 5 to 10° below normal north. Warm early in week and cooler 4th into weekend of 8th and 9th. Rain most of State on 4th with amounts over 2.00 in. some spots in south.

Soil moisture 37% adequate, 48% short, 13% very short. Average days suitable for fieldwork: 6.1. Main activities: Haying, harvesting corn, tobacco, peanuts, apples, spraying soybeans, pecans for insects and disease. Corn mature 97%, 99% last year and average; harvest 62%, 67% last year, average 72%; condition 6% excellent, 60% good, 28% fair, 5% poor. Cotton bolls open 32%, 45% last year, average 55%; condition 10% excellent, 74% good, 14% fair. Peanuts dug 13%, 15% last year, average 22%. Threshed 6%, 5% last year, average 11%; condition 9% excellent, 72% good, 19% fair. Soybeans 98% blooming, 99% last year and average; setting pods, 93% this year and last year, 92% average; 6% dropping leaves, 15% last year, average 14%; condition 8% excellent, 63% good, 23% fair, 5% poor. Tobacco harvested 97%, 98% last year and average. Watermelons 100% harvested this year, last year and average. Apples 70% picked, 71% last year, average 76%; condition 10% excellent, 58% good, 32% fair. Pecans 65% good, 31% fair. Grain sorghum 67% good, 26% fair, 4% poor. Wheat 2% planted this year and average. Rye 2% planted this year and average. Other small grains 1% planted, average 3%. Hay condition 4% excellent, 68% good, 24% fair. Pastures 4% excellent, 65% good, 27% fair. Cattle 76% good, 18% fair. Hogs 78% good, 17% fair.

HAWAII: Hot, dry weather continued for most parts of the State. Brief showers provided relief from the heat in the windward areas at

the southern end of the Island Chain. Mandatory and voluntary water conservation programs still in effect on Oahu, Maui, and Kauai Islands.

Some farmers dependent on above-ground reservoirs out, or almost out, of irrigation water. Chinese cabbage, head cabbage, and semi-head lettuce supplies moderate with irrigation maintaining crop progress. Papaya harvesting very active. A double dip hot water treatment of papayas for fruit flies is operation in all plants exporting fruit to the mainland. Culling reportedly heavier due to strict color (maturity) requirements associated with the new method. Banana supplies light to moderate.

IDAHO: Scattered rain showers and cool temperatures dominated the State weather picture. Temperature averaged from 3° below to 3° above normal statewide. The coldest spot was in the east with temperatures in the upper 20's recorded. Nearly all areas of the State received measurable amounts of precipitation. The north received from 0.10 to 0.30 in. below normal, while the south averaged near normal to slightly above normal rainfall.

Harvesting progress was slowed by rainfall as 5.4 days were suitable for fieldwork. Potato progress continued to trail last year with 64% of the crop turning color, 25% of vines dying and 3% harvested. This compares with 82% turning, 38% vine dying and 3% harvested in 1983. Winter wheat was 88% harvested versus 91% in 1983 and 90% average. Winter wheat seeding was 8% in the ground compared to 6% last year and 7% average. Spring wheat advanced to 72% harvested compared to 75% a year ago and 78% average. Spring barley was 66% harvested versus 73% in 1983 and 78% average. The second cutting of alfalfa hay was nearing completion at 92% harvested. The third cutting was 7% harvested compared to 11% last year and 14% average. Dry beans were 6% harvested compared to 14% a year ago and 15% average. Sweet corn for processing was 83% harvested versus 74% in 1983 and 76% average. Corn silage was 7% chopped compared to 5% last year and 8% average.

ILLINOIS: Temperatures 3 to 6° below normal. Precipitation 0.00 to 3.35 in., heaviest central and south.

Soil moisture 6% adequate, 94% short. Corn in dough 100%, last year 100%, average 100%; dented 89%, last year 92%, average 86%; mature 22%, last year 35%, average 40%. Corn condition 51% good, 46% fair, 3% poor. Soybeans setting pods 100%, last year 100%, average 100%; turning yellow 46%, last year 56%, average 48%; shedding leaves 20%, last year 28%, average 20%. Soybean condition 33% good, 61% fair, 6% poor. Alfalfa third crop cut 90%, last year 92%, average 82%. Alfalfa condition 3% excellent, 42% good, 43% fair, 12% poor. Pasture condition 7% good, 44% fair, 46% poor, 3% failure. Days suitable for fieldwork: 6.5.

INDIANA: High temperatures a couple degrees below normal north to 4 to 6° below central and south. Lows averaged in 50's. Precipitation from 0.10 in. west to over 2.00 in. northeast. Most areas 0.50 in.

Fieldwork 5.3 days. Topsoil moisture short to adequate. Subsoil moisture mostly short to adequate. Corn condition 3% poor, 38% fair, 57% good, and 2% excellent. Corn 100% in dough, 1983 99%, average 98%. Corn 90% dented, 1983 80%, average 75%. Corn 20% mature, 1983 20%, average 20%. Soybean condition 5% poor, 44% fair, 49% good, and 2% excellent. Soybeans 100% setting pods, 1983 100%, average 100%. Soybeans 15% dropping leaves, 1983 15%, average 15%.

Wheat land 28% plowed, 1982 28%, average 33%. Wheat 1% seeded, 1983 0%, average 1%. Rye 6% seeded, 1983 4%, average 2%. Tobacco 20% harvested, 1983 15%, average 35%. Silos 25% filled, 1983 30%, average 25%. Pastures fair.

IOWA: Temperatures near seasonal normals. Precipitation again subnormal in most areas.

Days suitable for fieldwork: 6.6. Corn crop condition 2% excellent, 49% good, 39% fair, 10% poor to very poor. Corn acreage in dough stage 95% complete; 97% last year; 94% normal. Corn acreage in dent stage 79% complete; 82% last year; 72% normal. Corn acreage matured 21% complete; 50% last year; 25% normal. Soybean crop condition 1% excellent, 34% good, 53% fair, 12% poor to very poor. Soybean acreage leaves turning color 49% complete; last year 55%; normal 45%. Soybean acreage shedding leaves 15% complete; last year 17%; normal 11%. Soybean acreage reaching maturity 8% complete; last year 14%; normal 4%. Third crop alfalfa hay 76% complete; 73% last year; 78% normal. 2nd crop clover hay harvest virtually complete. Hay crop condition 3% excellent, 31% good, 38% fair, 28% poor to very poor. Topsoil moisture conditions 97% short, 3% adequate. Subsoil moisture conditions 22% adequate, 78% short. Livestock mostly fair to good condition. Pasture conditions 2% excellent, 11% good, 22% fair, 44% poor, 21% very poor.

KANSAS: Precipitation averaged 0.50 to 0.75 in. over the northeast and southwest and generally less than 0.25 in. elsewhere. Temperatures averaged 71° northwest, 77° southwest, and 78° south central and 72 to 75° elsewhere. These were 4° above normal southwest and south central and 3° above normal elsewhere.

Sorghum 95% headed, 85% last year, 90% average; 45% turning color, 40% last year, 45% average; 10% mature, 5% last year, 10% average. Corn dough 99%, 95% last year, 96% average; 80% dented, 60% last year, 70% average; 40% mature, 30% last year, 35% average. Soybeans 96% podding, 95% last year, 90% average; 25% dropping leaves, 25% last year, 15% average. Winter wheat 3% planted, 2% last year, 5% average. Soil moisture mostly short. Pasture and rangeland mostly poor to fair. Some supplemental feeding. Days suitable for fieldwork: 6.5.

KENTUCKY: Slightly below normal temperatures and near normal precipitation. Temperatures 2 to 4° below normal. Precipitation occurred early and at end of week with middle portion mostly dry. Rainfall totals reached 2.00 in. some west locations with rest of State recording between 0.25 to 1.00 in.

Days suitable 5.3. Soil moisture 70% short, 30% adequate. Burley tobacco 50% cut, 31% last year, 54% average yields and quality generally good. Curing conditions favorable. Dark types 46% cut, corn 30% mature, 23% last year, 34% average. Harvest underway some areas, expected to become active this week in south and west; 90% dent or beyond, 78% last year, 84% average. Silage 20% cut. Soybeans 95% setting pods, 92% year ago, average 95%, 11% shedding leaves or beyond, 10% last year, 13% average; 25% leaves turning yellow, 64% entirely green. Double crop acreage harvest hit by dry weather. Pastures dry.

LOUISIANA: Rainfall amounts ranged from none to 5.29 in. Average temperatures ranged from normal to 3° below normal. High 94°; low 54°.

Soil moisture ranged from short to adequate northwest to adequate to surplus southeast.

Days suitable for fieldwork: 5.5. Activities included harvesting hay, rice, corn, sorghum, sweetpotatoes, and vegetables; fall vegetable and sugarcane planting; and pesticide application. Rice ripe 83% 1984, 77% 1983, 86% average; harvested 74% 1984, 64% 1983, 76% average. Corn harvested 87% 1984, 76% 1983, 77% average. Cotton open bolls 33% 1984, 28% 1983, 44% average; harvest just beginning 1984, 1% 1983, 2% average; condition good. Soybeans setting pods 99% 1984, 93% 1983, 94% average; leaves turning color 20% 1984, 35% 1983, 25% average; leaves shedded 3% 1984, 14% 1983, 10% average; condition good. Sorghum turning color 99% 1984, 91% 1983, 92% average; ripe 88% 1984, 77% 1983, 74% average; harvested 75% 1984, 67% 1983, 55% average. Sweetpotatoes harvested 45% 1984, 40% 1983, 39% average; condition good. Sugarcane planting 15% 1984, 25% 1983, 24% average; condition fair. Vegetable condition fair. Hay final cutting 58% 1984, 54% 1983, 44% average. Pasture and livestock condition good.

MARYLAND AND DELAWARE: Maryland: The week was cool with scattered showers averaging 0.50 in. High temperatures mid 90's, lows mostly in the mid 40's.

The cool, dry week enabled farmers to work 6.2 days winding up vegetable harvest, harvesting corn silage, and tobacco. Topsoil and subsoil moisture supplies short on the Eastern Shore and lower west of the Bay. Adequate elsewhere. Corn 100% dough stage; 95% 1983 and average. Corn dented 65%, 1983 75%, average 80%. Corn 15% mature, 1983 40%, average 35%. Silage 50% harvested, 45% 1983 and average. Corn grain harvest just beginning. Soybean 100% bloomed, equal to 1983 and average. Podded beans 85%, 95% for 1983, 90% average. Soybeans turned 20%, equal to the average, but behind 1983's 35%. Tobacco 100% bloomed and 85% topped. Tobacco harvested 70%, 50% 1983, 70% average. Apples 35% picked, 25% 1983 and average. Peaches 95% picked, 90% 1983, 95% average. Third cutting of alfalfa hay complete, 1 week ahead of schedule. Fourth cutting of alfalfa hay 25%, 1983 and average 40%. Third cutting of other hay 90%, 1983 85%, average 80%.

Delaware: Light showers early in the week allowed 6.5 days suitable for fieldwork. Topsoil and subsoil moisture supplies remain short. Corn in good condition. Corn 100% dough stage, 1983 and average 90%. Corn dented 85%, 1983 70%, average 75%. Mature corn 20%, 1983 45%, average 35%. Silage harvest 35%, 1983 and average 50%. Grain harvest 5% complete, average 5%. Soybeans fair condition. Soybeans 100% bloomed, 100% 1983, 95% average. Podded 95% complete; 95% 1983, 90% average. Soybeans 5% turned, 15% 1983, average 20%. Leaves shedding in some fields. Apple picking 15% complete, 40% 1983, 20% average. Peaches 95% picked, 1983 90%, average 95%. Fourth cutting of alfalfa hay 35%, 25% 1983 and average. Barley and rye were being planted in some fields.

MICHIGAN: This was a cool and wet week across the State. Temperatures averaged 2° below normal. Moderate amounts of precipitation fell over the entire State.

Cooler temperatures during the week with measurable amounts of rain in most areas of the State. Statewide 4.5 days suitable for fieldwork. Corn 95% in dough, 100% last year, 100% average. Corn 60% dented, 65% last year, 61% average. Corn 5% mature, 10% last year, 13% average. Soybeans 100% setting pods, 100% last year, 100% average. Soybeans 60% turning, 60% last year, 65% average. Soybeans 15% shedding leaves 10% last year, 12% average. Dry beans 5% harvested, 5% last year, 11% average. Third cut

hay 40% complete, 50% last year, 42% average. Fruit and vegetable harvest continues over the State.

MINNESOTA: Weekly average temperatures fell to below normal across the State and the dry spell continued. Temperatures averaged 1 to 5° below normal. High: 88°, low: 31°. Precipitation averaged 0.29 to 0.52 in. below normal. Greatest weekly total: 0.90 in.

Cool and continuing dry conditions have slowed crop maturity and added to the stress of pasturelands. The corn crop was expected to soon be out of danger from frost in most areas. Many fields of corn and soybeans still needed more rain along with warmer weather to fully mature. Fall fieldwork has continued to be limited by the dryness. Pasture conditions were very dry and short, forcing farmers to increase supplemental feeding. Days suitable for fieldwork: 5.9. Topsoil moisture: 24% very short, 54% short, 22% adequate. Field corn: Denting 81%, 1983 81%, normal 64%; mature 14%, 1983 16%, normal 9%; condition 5% poor, 40% fair, 47% good, 8% excellent. Soybeans: Turning yellow 69%, 1983 65%, normal 57%; shedding leaves 16%, 1983 16%, normal 57%; mature 1%, 1983 1%, normal 1%; condition 5% poor, 38% fair, 52% good, 5% excellent. Sunflowers: Dropping ray petals 92%, 1983 91%, normal 78%; bracts turning yellow 68%, 1983 67%, normal 54%; bracts turning brown 22%, 1983 23%, normal 24%. Potatoes: Harvested 70%, 1983 14%, normal 12%.

MISSISSIPPI: Average temperatures 1 to 5° below normal, extremes 47 and 95°. Greatest 24-hour rainfall 2.49 in.

Soil moisture adequate to short. Fieldwork 5.5 days suitable, 6.0 1983, 5.7 average. Main activities: harvesting hay, rice and milo, and preparing for cotton and soybean harvest. Cotton condition fair to good; 41% open bolls, 46% 1983, 61% average. Soybeans good; 85% podding, 80% 1983, 93% average; 2% dropping leaves, 1% 1983, 8% average. Rice fair to good; 100% headed, 97% 1983, and average; 7% harvested, 5% 1983, 14% average. Sorghum good; 23% harvested, 23% 1983, 27% average. Corn good; 26% harvested, 21% 1983, 30% average. Wheat acreage 2% planted. Hay 80% harvested; watermelons 95%; peaches 98%; sorghum silage 63%; corn silage 81%. Peanuts 34% harvested, 42% 1983, 28% average. Sweetpotatoes 19% harvested, 18% 1983, 19% average. Pasture condition fair to good.

MISSOURI: Near normal temperatures prevailed as scattered, heavy rains fell on the weekend. Heaviest rain was in central and east.

Days suitable for fieldwork: 6.5. Soybeans setting pods 96%, 93% last year, 89% normal. Soybeans turning color 36%, 31% last year, 20% normal. Condition of soybeans 10% good, 38% fair, 51% poor. Corn dent 91%, 94% last year, 85% normal. Corn mature 40%, 52% last year, 41% normal. Corn harvested 8%, 13% last year, 10% normal. Condition of corn 1% excellent, 9% good, 46% fair, 44% poor. Sorghum mature 52%, 37% last year, 34% normal. Sorghum harvested 10%, 0% last year, 8% normal. Condition of sorghum, 29% good, 52% fair, 18% poor. Cotton with bolls opening 76%, 58% last year, 46% normal. Condition of cotton 78% good, 22% fair, 0% poor. Alfalfa hay 3rd cutting 78%, 88% normal. Condition of pasture 0% good, 14% fair, 86% poor. Topsoil moisture supply 0% surplus, 3% adequate, 97% short.

MONTANA: Rather cool first of week, warming at midweek, then cool again at end of week. Temperatures ranged from 20° above normal to 20° below normal. Heaviest precipitation fell

west of Divide and over northern mountains. Amounts ranged from 0.25 to more than 2.00 in. Most of remainder of State had some rain ranging from less than 0.10 to 0.03 in.

Soil moisture short except west of Continental Divide. Fieldwork, days suitable: 6.0. Crops harvested compared with last year and average: Winter wheat 100, 100, 95; spring wheat 95, 95, 75; barley 95, 90, 75; oats 95, 90, 80; dry beans 25, 20, 10; corn silage 10, 15, 10. Second cutting of alfalfa hay 85% complete, last year 85%, average 80%. Winter wheat seeded 5% complete, last year 85%, average 80%. Winter wheat seeded 5% complete, 10% last year, 10% average. About 35% of sheet and cattle moved to winter pastures. Very little contracting of livestock as yet.

NEBRASKA: Average temperatures ranged from 30° below normal northeast to 40° above normal west. Precipitation ranged from a trace to a few tenths statewide.

Corn condition was mostly good. Irrigated corn was in good to excellent condition and non-irrigated corn was in fair to good condition. Corn in dough was 98%, 90% last year, 96% average. Corn in dent was 75%, 80% last year, 65% average. Corn mature was at 10%, 10% last year and 10% average. Soybeans were mostly fair to good. Soybeans podded were 100% this year, last year and average. Soybeans turning color were 20%, 45% last year and 35% average. Leaves dropping reached 4%, 10% last year, 8% average. Sorghum was mostly fair to good, 100% was headed this year, last year and average. Sorghum turning color was 65%, 80% last year and 65% average. Sorghum ripe reached 4%, 6% last year and 8% average. Wheat planted was 15% this year and last year and 20% average. Third cutting of alfalfa was 70%, 80% last year and 90% average. Topsoil and subsoil moisture was mostly short. Days suitable for fieldwork: 6.1.

NEVADA: Mostly dry and warm. Temperatures above normal all areas ranging from 2 to 50°. Low pressure system produced light precipitation midweek north and central. Remainder of week mostly sunny.

Russet potato digging gaining momentum main producing area. Relatively dry weather during week aided harvesting remaining acreages hay, small grains, alfalfa seed, and various vegetables. Cattle starting to drift down from high elevation pastures. Movement cattle to local auction slow to date.

NEW ENGLAND: Temperatures averaged 6 to 10° below normal. Low in the 30's from the 5th through the 8th with frost in low lying areas. Most precipitation fell in southern areas, averaging 0.50 in.

Soil moisture conditions and grazing availability short to adequate. Days suitable for fieldwork averaged 6.0. Silage corn 5% chopped, on schedule with last year. Maine potatoes 2% harvested. Rhode Island potatoes 40% harvested, 80% last year. Sweet corn 95% picked. Tobacco 95% picked. Third cut hay 55% harvested. Apples 10% picked, fair to good color, small to medium size.

NEW JERSEY: Temperatures averaged 6° below normal. Extremes were 30° on the 7th and 95° on the 4th. Weekly rainfall averaged 1.52 in. north, 1.36 in. central, and 0.97 in. south. The heaviest 24-hour total was 2.12 in. on the 3rd to 4th. Estimated soil moisture, in percent of field capacity, averaged 95% north, 87% central and 71% south. Four inch soil temperatures averaged 65° north, 68° central and 70° south.

Fieldwork: 6.0 days suitable. Irrigation in use of fall vegetables. Summer vegetable supplies tapering off. Light harvest of Irish potatoes continues. Sweetpotato digging light to moderate. Light harvest of late season peach varieties continues. Fall apple crop coloring well, light harvest has begun. Some early field corn being harvested for silage. Soybeans in good condition.

NEW MEXICO: Average temperatures little below normal in south, little above in north. Widely scattered showers central and eastern locations. Rainfall totals generally less than 0.25 in.

Soil moisture supplies short to adequate. Alfalfa fair to good condition; fourth cutting continues. Cotton fair to good. Corn fair to good, excellent in some locations; silage cutting continues. Barley planting in progress. Wheat planting over 50% complete. Irrigated, dryland grain sorghum good to excellent; silage harvesting continues. Pecans good to excellent; quality very good. Chile fair to good; red chile harvest started. Lettuce fair to good; thinning in progress. Cattle and sheep in good condition. Range good to excellent. Cotton open bolls: 35%, last year 10%, average 18%.

NEW YORK: Much of the State received rain early in the week, with heavier amounts in the western and southern sections. The week was also unseasonably cool. Individual communities were 5 to 15° cooler than normal. Isolated areas of frost were noted in the Adirondacks and the eastern plateau. Temperatures began to recover by the end of the week.

Most field crops could use a warm spell. Corn ranges from the milk stage to dent. Oat harvest 84% complete, compared to 92% last year and the average of 95%. More of the hay crops going to haylage because of the weather. Second cutting of alfalfa 90% complete, while historically it has been virtually finished at this time. Third cutting of alfalfa 32% complete, behind last year's 54% and the average of 45%. Cool weather has slowed ripening of tomatoes, peppers, eggplant and most vine crops. Cabbage in good to very good condition. Snap beans in good condition but harvest is about 2 weeks late.

NORTH CAROLINA: Temperatures averaged 4 to 7° below normal across the State. Precipitation was spotty and ranged from none to 1.67 in.

Soil moisture: 5% very short, 37% short, 58% adequate. Days suitable for fieldwork: 6.0. Condition: Tobacco 26% fair, 73% good, 1% excellent. Corn 13% fair, 72% good, 15% excellent. Cotton 8% fair, 92% good. Peanuts 22% fair, 78% good. Soybeans 20% fair, 77% good, 3% excellent. Sweetpotatoes: 11% fair, 89% good. Apples 9% fair, 73% good, 18% excellent. Sorghum 13% fair, 85% good, 2% excellent. Phenological stages: Cotton open bolls: 59%, 1983 70%, 55% average. Corn soft-dough: 97%, 1983 100%, 100% average. Corn dent: 91%, 1983 97%, 96% average. Corn mature: 84%, 1983 85%, 86% average. Soybeans blooming: 90%, 1983 95%, 90% average. Soybeans setting pods: 85%, 1983 79%, 77% average. Harvest: Flue-cured tobacco: 88%, 1983 77%, 85% average. Burley tobacco 33%, 1983 15%, 39% average. Corn for silage 47%, 1983 71%, 72% average. Corn for grain 17%, 1983 18%, 27% average. Sweetpotatoes 5%, 1983 3%, 10% average. Apples 19%, 1983 18%, 32% average. Major farm activities: Flue-cured and burley tobacco harvest, baling hay, corn grain and silage harvest, spraying crops, harvesting apples, marketing tobacco, working ground for small grain and general farm maintenance.

NORTH DAKOTA: Generally cool with brief warm spell midweek. Cold front brought showers and thunderstorms with light to moderate precipitation to a large portion of the State late in the week. There were isolated reports of sub-freezing temperatures on the 4th and 5th. Average temperatures were 2 to 4° below normal. Extremes were 89° southwest on the 6th and 26° northwest on the 4th. District precipitation totals ranged from 0.03 in. southeast to 0.42 in. northwest with the remainder of the State averaging around 0.20 in. for the week.

Light rain did little to improve topsoil moisture supplies. To date, 100% of State short or very short of topsoil moisture. Row crops continue to suffer from lack of moisture. Fall tillage very difficult with hard, dry soils. Percent of each row crop in very good, good, fair or poor condition was: sunflower 0, 27, 70, 3; corn 0, 24, 52, 24; soybeans 0, 92, 8, 0; potatoes 0, 24, 76, 0; and dry beans 0, 43, 57, 0. Percent of each crop harvested vs. last year and average: flax 66, 59, 33; dry beans 52, 15, 13; potatoes 20, 7, 9. Potato crop with 65% of vines killed vs. 42% average. Winter wheat seeding 34% complete vs. 58% last year and 38% average. Rye seeding 38% complete compared to 59% last year and 45% average.

OHIO: High temperatures low to mid-70's, 3 to 8° below normal, lows low to mid-50's, lowest reading 37°. Precipitation range from less than 0.10 to 1.50 in., most in excess of 0.50 in. Base 50 growing degree day accumulations 15 to 30 below normal.

Soil moisture 20% short, 75% adequate, 5% surplus; 5.0 days suitable for fieldwork. Main activities baling hay, cutting corn for silage, fall plowing. Corn dough 98% 1984, 98% 1983, 98% average; dent 75% 1984, 85% 1983, 75% average; mature 20% 1984, 25% 1983, 25% average; condition good. Soybeans setting pods or beyond 100% 1984, 1983, average; leaves shedding 5% 1984, 15% 1983, 15% average; condition good. Winter wheat planted 0% 1984, 1983, average. Pasture condition fair to good.

OKLAHOMA: Temperatures averaged 1° below normal southeast to 2.5° above normal northeast. Precipitation averaged from zero Panhandle to 1.99 in. southeast.

Rainfall early in week boosted row crop development and encouraged wheat seedings. Hot, dry weather remainder of week kept row crops under stress. Dryland row crop yields may be below average due to prolonged dryness. Over 300,000 acres of grass burnt during massive fire Osage County. Some producers starting to purchase hay for winter feeding. Sorghum fair, cotton and pastures fair to poor condition. Sorghum headed: 100%, 99% 1983, 98% average. Sorghum turning color: 85%, 60% 1983, 80% average. Sorghum mature: 30%, 10% 1983, 30% average. Cotton setting bolls: 97%, 98% 1983, 95% average. Cotton open bolls: 20%, 2% 1983, 10% average. Wheat planted: 3%, 5% 1983, 5% average.

OREGON: North was wet: Over 2.00 in. at coast; up to 1.00 in. in north central and northeastern areas. South and center was dry: less than 0.10 in. West of Cascades, temperatures were 1 to 3° above normal. Eastward, temperatures were 2 to 3° below normal.

Rains aided preparations for fall seeding. Grain harvest nearly all complete. 1985 winter wheat 2% seeded; 2% last year, 3% average. In the east, some field burning to control disease may delay seeding. Corn silage harvest in Hermiston-Boardman region. Early dry beans in windrows in Malheur County. In Willamette

Valley: Red clover harvest begun; hops harvest near complete; ryegrass and Crimson Clover being seeded. Jackson County alfalfa seed harvest. Bartlett pear harvest near done in upper Hood River Valley. In lower valley, Anjou harvest to start this week. Wasco County apples not sizing well. Near Milton-Freewater, Golden Delicious apple harvest started; and some plums picked. Medford area Bartlett harvest finished; Seckel harvest nearly finished; winter pears have begun; these crops look very good. Willamette Valley: Evergreen blackberry and blueberry harvesting; peach harvest; prunes look light; filbert flailing with good crop. Potato harvest in full swing Hermiston-Boardman and Malheur. Some Norgolds dug in Klamath Basin. Sweet corn harvest in Malheur and western areas. Harvest of peppers, broccoli, cauliflower. Onion harvest progressing at Milton-Freewater, Jackson County, Willamette Valley. Livestock in good condition. Western pastures in fair condition. In east, low elevations rangeland poor; mountain ranges excellent.

PENNSYLVANIA: After a stormy Labor Day evening, the State enjoyed cool and clear weather. Temperatures midweek were well below normal. The end of the week was sunny with temperatures moderating over the weekend, but still cooler than the seasonal norm. Late 9th moist air from the coast brought increased cloudiness. Average temperatures was 61°, 40° below normal. Greatest negative temperatures departure was in the Upper Susquehanna and the Pocono Mountains. Precipitation was 0.68 in, 0.17 in. below normal. Driest areas were the middle and lower Susquehanna.

Days suitable: 5.0. Moisture mostly adequate to surplus. Activities: Plowing; baling straw; seeding small grains; making hay; harvesting tobacco, corn silage, apples, peaches, potatoes, tomatoes, sweet corn and peppers. Tobacco 70% harvested, last year 48%. Potatoes 42% harvested, last year 45%. Corn silage 10% harvested, last year 19%. Corn for grain 87% in dough or past, 33% dented and less than 5% mature; last year 95% in dough or past, 51% dented and 6% mature; average 93% in dough or past, 52% dented and 7% mature. Fall plowing 42% complete; last year 45%; average 45%. Barley 20% planted, last year 10%. Wheat 19% planted, last year 6%. Third crop alfalfa 63% harvested, last year 76%. Fourth crop alfalfa 23% harvested, last year 14%. Second cutting clo-tim 91% harvested, last year 90%. Quality of hay made fair to mostly good. Feed from pastures mostly average to above average.

PUERTO RICO: Island average rainfall 2.06 in. or 0.24 in. above normal. Highest weekly total 9.41 in. Highest 24-hour total 4.14 in. Temperature averaged about 83 to 81° on coasts and 76 to 75° interior divisions. Mean station temperature ranged from 83.7 to 68.1°. Extremes 94 and 59°.

SOUTH CAROLINA: Weather underwent a temperatures change from above normal in early week to cool during end of week. Record low temperatures were recorded late week. Rainfall was very light. Formation of a tropical storm caused a general cloudiness over the State.

Soil moisture mostly short. Days available for fieldwork: 5.9. Corn condition good: 96% mature, 98% last year, 98% average; 54% harvested, 49% last year, 61% average. Cotton condition good: 48% open bolls, 72% last year, 67% average. Soybean condition fair to good; 97% blooming, 98% last year, 97% average; 91% setting pods, 82% last year, 89% average; 2% leaves turning, 5% last year, 10% average. Tobacco condition good: 98% harvested, 93% last

year, 94% average; 45% stalks destroyed, 25% last year. Apple condition excellent; 53% harvested, 32% last year, 48% average. Grape harvest continues, condition good to excellent. Fall hay harvested continues, condition good.

SOUTH DAKOTA: Average temperatures were 0 to 6° above normal. Extremes 99 and 26°. Outside the Black Hills the low was 34. Precipitation was scattered and light across the State.

Days suitable for fieldwork: 6.0. Topsoil moisture short and critically short over most of the State. Adequate supplies scattered in the east. Grasshoppers continue to plague areas of the State. Bean leaf beetles feeding on soybean pods in southeast. Range and pastures in fair condition southwest and west central, fair to good elsewhere. Footrot and pinkeye bothering some cattle in central. Spring wheat harvested 100%, 1983 100%, average 100%. Sorghum headed 97%, 1983 94%, average 99%. Sorghum turning color 57%, 1983 67%, average 63%. Sorghum mature 11%, 1983 17%, average 13%. Corn dough 83%, 1983 89%, average 88%. Corn dented 57%, 1983, 70%, average 67%. Corn mature 16%, 1983 33%, average 27%. Winter wheat seeded 25%, 1983, 24%, average 27%.

TENNESSEE: A strong cold front crossed the State on the 3rd and 4th accompanied by widespread rainfall. Unseasonable cool weather persisted throughout the week. Record low temperatures were common during the latter part of the week in the east. Temperatures were well below normal in the middle and slightly below normal in the west.

Farmers averaged 6.0 days suitable for fieldwork. Soil moisture levels: 4% surplus, 65% adequate, 31% short. Corn dented: 95%, 1983 98%, average 99%; mature: 35%, 1983 67%, average 57%; harvested: 6%, 1983 8%, average 8%. Cotton open bolls; 15%, 1983 38%, average 26%. Soybeans setting pods: 97%, 1983 97%, average 96%; yellowing leaves: 8%; shedding leaves: 2%, 1983 2%, average 6%. Tobacco harvested; burley: 56%, 1983 54%, average 64%; dark-fired: 60%, 1983 40%, average 58%; dark air-cured: 65%, 1983 40%, average 61%. Sorghum acreage coloring: 41%. Wheat acreage sown; 3%, 1983 1%, average 5%. Pastures and livestock in good conditions.

TEXAS: Weak cold front moved through State first part week, producing scattered showers, thunderstorms. Midweek high pressure settled over State, bringing mostly fair weather. Tropical wave over southwest Gulf produced widely scattered showers Lower Valley. End of week, cold front moved into northwestern Texas, moist, low level southerly flow increased eastern half State. Rainfall below normal most of State, except near normal Trans-Pecos, Lower Valley. Temperatures averaged below normal High Plains, Trans-Pecos, Edwards Plateau, South Texas, Lower Valley. Near normals elsewhere.

Crops: Land preparation small grains continued. Some early fields sown many areas. Cooler night time temperatures prevailed nearly statewide. Additional scattered showers accompanied cooler temperatures. Heaviest along Upper Coast, into Coastal Bend. Growing conditions High Plains remain good progress. Ranges picked up slightly some drought areas. Livestock marketings remain steady. Cotton development plains continued good. Cooler temperatures affect progress. Low Plains, recent showers brightened prospects, additional rainfall would improve yields. Harvest activities continue Blacklands, Central Texas. Good grades. Current condition 74% of normal, compared with 62% a year ago. Reported condition 4% excellent, 59% good, 22% fair, and

15% poor. Grain sorghum High Plains continues good progress. Irrigated fields receiving last watering. Dryland, irrigated crops expecting good yields. Many fields continue turn color. Harvest activities virtually completed Blacklands. Current condition 65% of normal compared with 67% a year ago. Reported conditions 6% excellent, 42% good, 27% fair, 19% poor and 6% failure. High moisture corn harvest begun many areas High Plains. High winds, warm days aided drying. Silage harvest continuing. Currently, crop looks good. Harvest Low Plains virtually completed, poor yields reported. Condition, 69% of normal, compared with 81% a year ago. Reported conditions 7% excellent, 40% good, 35% fair, 17% poor and 1% failure. Peanuts make good progress Plains region. Cross Timbers crop holding up well under lack of moisture. Heavy irrigation continues most areas. Some wilting occurring due lack of moisture. Soybean progress continued good. Pods filling High Plains. Infestations podworms decreased. Harvest Upper Coast halted intermittent showers. Harvest this area ahead previous years. Rice stubble second crop showing good growth. Recent rains help alleviate flooding of fields.

Cotton setting bolls 99%, 100% 1983, 100% average; open bolls 16%, 20% 1983, 25% average; harvested 11%, 11% 1983, 12% average. Rice harvested 97%, 96% 1983, 98% average. Sorghum headed 98%, 98% 1983, 99% average; turning color 80%, 75% 1983, 80% average; mature 65%, 61% 1983, 68% average; harvested for grain 63%, 57% 1983, 65% average. Wheat planted all purposes 8%, 1% 1983, 9% average. Corn harvested for grain 60%, 64% 1983, 47% average. Peanuts harvested 2%, 1% 1983, 11% average. Soybeans harvested 3%, 1% average. Sunflowers harvested 0%, 1% 1983, 5% average. Oats planted for all purposes 1%, 2% 1983, 4% average.

Commercial vegetables: Rio Grande Valley, good progress fall vegetables. Planting interrupted by showers. Citrus regrowth fair in rehabilitating groves. Rain beneficial to regrowth. High Plains, onion harvest virtually completed, some onions left in fields due to rotting. Potato harvest also windind down. Harvest cucumbers, peppers, tomatoes, cabbage, melons, carrots continues. Trans-Pecos, very good pepper crop progressing well. Cabbage crop average yields. East Texas, sweetpotato harvest begun larger scale. Quality fair at present due to dry summer. Prices good. Planting fall vegetables begun. Pecan prospects varied statewide. Plains, West Texas, crop seems in good condition, limited insect populations. Other areas poor prospects, moderate aphid populations. Spraying to alleviate problem.

Range and livestock: Range, pasture conditions look good areas receiving rainfall; poor in other areas. High Plains ranges looking good. Harvesting, irrigation alfalfa hay continue. Some rangeland received rain Cross Timbers, showing some greening. Upper Coast, pastures look good. Livestock conditions holding steady. Some producers Trans-Pecos increasing herds as pastures come back. Shearing goats nearing completion.

UTAH: Recurring thunderstorm and shower activity desposited light to moderate precipitation in northern half of State except Uinta Basin. Precipitation in southern half and Uinta Basin generally zero with isolated light accumulations. Maximum temperatures averaged 10 above normal northern parts except Uinta Basin. Southern parts and Uinta Basin averaged 40 above normal. Maximums ranged from 40 below normal to 70 above. Minimums averaged 10 above normal, ranging from 30 below to 60 above.

Days suitable for fieldwork: 6.5. Winter wheat seeding 35% completed. Some will have to be reseeded, however. Barley harvest 83% complete, spring wheat 80%, oats 70%. Third cutting alfalfa hay 20% cut. Alfalfa seed harvest beginning, rated fair to good. Peaches 38% picked, yield and quality varied. Pear harvest also well along 33%. Apple picking and dry bean harvest just starting. Harvest of onions started September 8.

VIRGINIA: Except for 3rd and 4th. Temperatures averaged well below normal. With arrival of cool air, 15 to 20° drops in daytime highs and nighttime low were common. Central areas had record high 99 on 3rd followed by record low 47 on 7th. Some rain accompanied drop. Ranging from 0.25 in. to slightly more than 1.00 in. Most days clear.

Crop conditions remained stable during mostly dry week. Light rain early week benefitted crops needing moisture. Topsoil moisture ratings were 33% short, 67% adequate. Harvest of fieldwork advanced normally with 5.6 days suitable for fieldwork. Corn condition remains excellent. Development slightly behind normal with 96% in or beyond dough stage, 98% last year, 99% average. Corn 87% in or beyond dent stage, 86% last year, 89% average. Corn 62% mature, 66% last year, 71% average. Harvest a week or more behind normal. Silage 45% cut, 55% last year, 50% average. Corn for grain harvest 13% complete, 14% last year, 15% average. Soybean conditions good to excellent. Some fields need rain, no major insect problems yet but potential exists. Almost all crop blooming or beyond; 87% setting pods, 92% last year. Tobacco rated good to excellent, no abnormal problems reported. Flue-cured tobacco harvest 62% complete, 64% last year, 69% average. Dark-fire tobacco harvest 76% complete, 67% last year, 74% average. Burley tobacco harvest 40% complete, 30% last year, 53% average. Sun-cured harvest progress normal. Peanut conditions good to excellent. Rain needed in many fields. Digging has begun on some farm; crop maturing early this year. Peach harvest almost complete. Apple harvest advancing well, 22% complete, 13% last year, 17% average. Sweetpotato harvest slightly ahead of normal. Small grain planting beginning in many areas. Pasture and hay land reseeding active. Cattle marketing increasing in many areas.

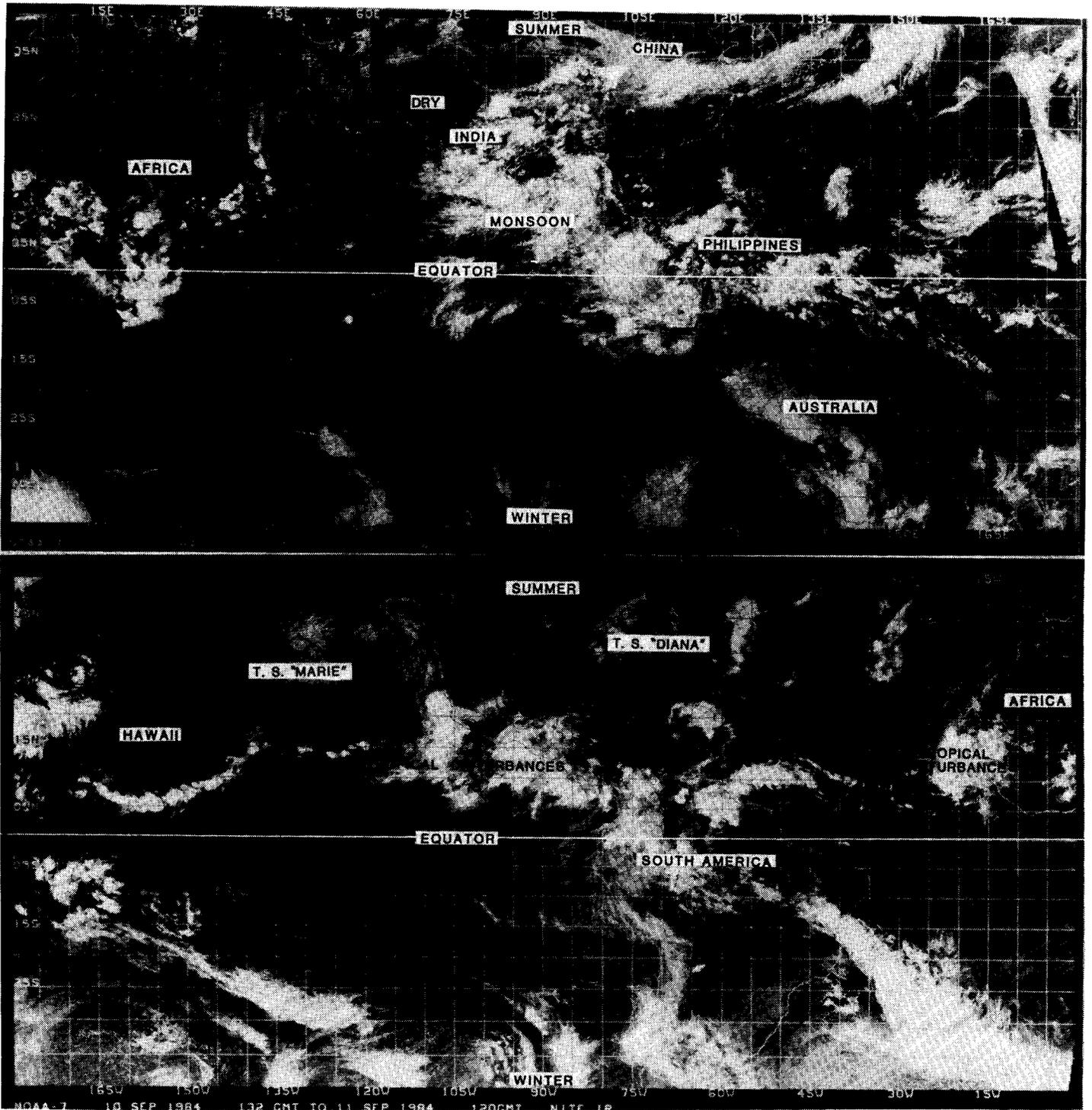
WASHINGTON: A weak front crossed the State on 1st but produced only slight amounts of rain over the northwest corner and the northern Cascades. Following the front, high pressure brought dryer air and cooler temperatures with many reports of minimums in the 30's and low 40's. Unsettled weather associated with fronts on 5th and 7th resulted in significant rainfall west of the Cascades during the last three days of the week, although little or no rain was observed over most of the east.

Planting of winter wheat continues in dryland areas of the State, 28% complete for the State. Winter wheat harvest essentially complete. The harvest of spring wheat and barley also nearing completion in most areas of the State. Whitman County still has 10% of its small grain acreage to harvest. Third cutting alfalfa continues. Second cutting timothy hay continues. Bartlett and D'Anjou pear harvest underway Chelan County. Early harvest Red Delicious apples started Yakima County. Prune harvest almost complete while the peach and hop harvest continues. Blueberry harvest nearly complete. The potato harvest continues. Harvest of carrots, onions, cucumbers and sweet corn continues. Broccoli and cauliflower harvest

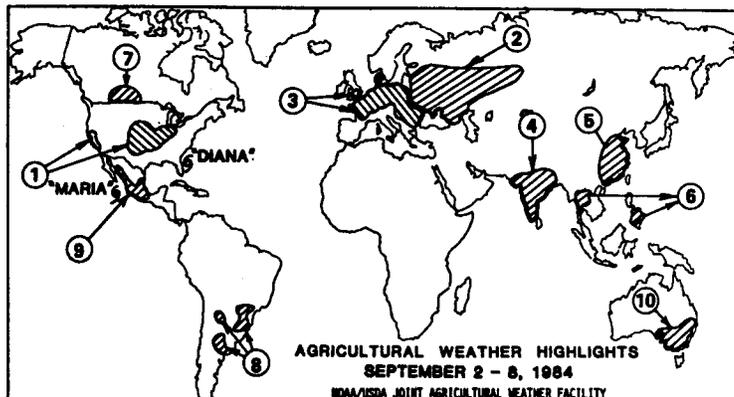
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TROPICAL WEATHER

SEPT. 10 - 11 1984

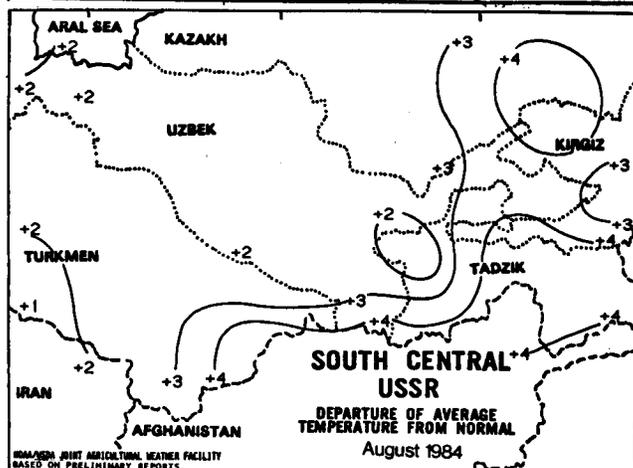
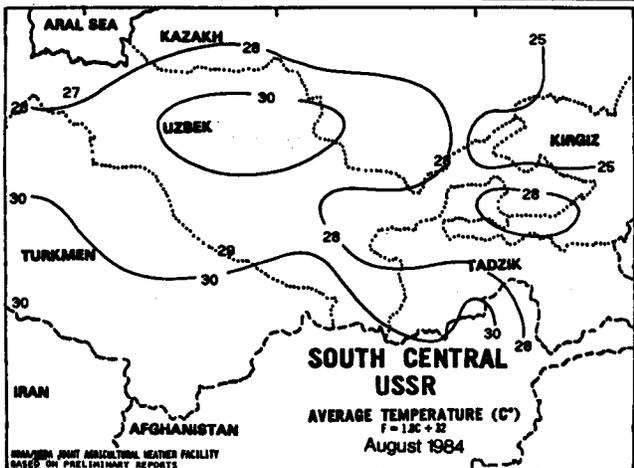
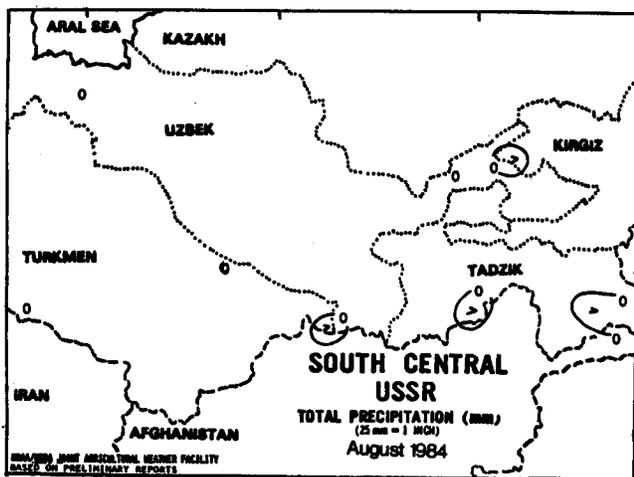


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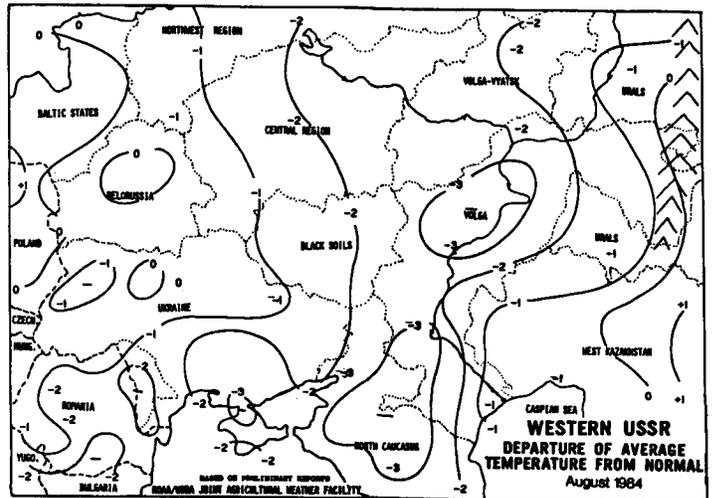
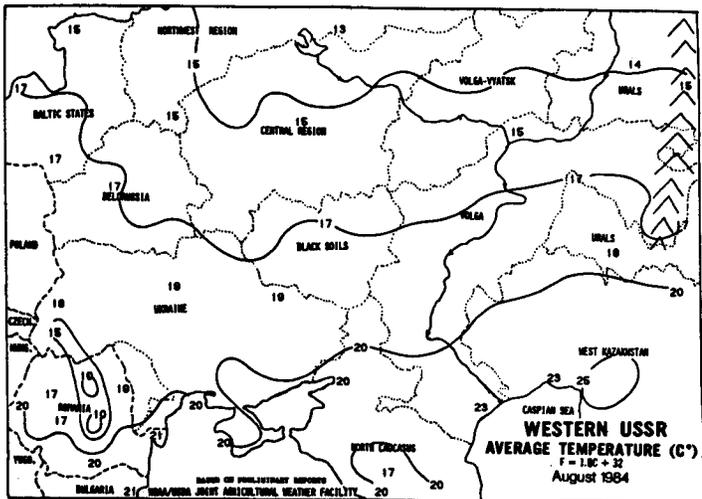
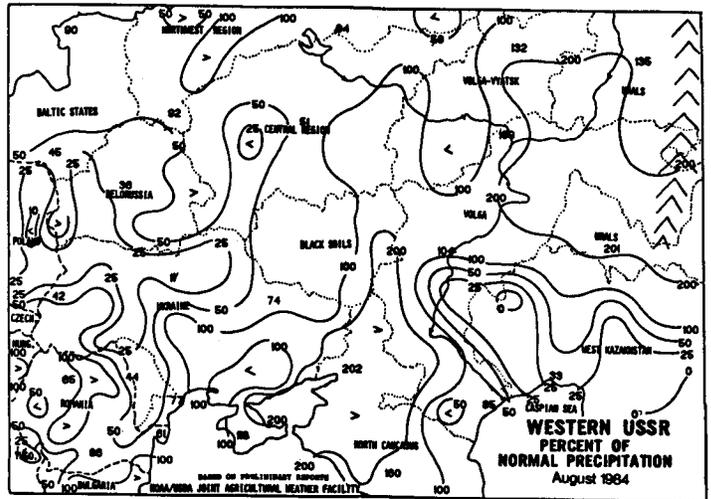
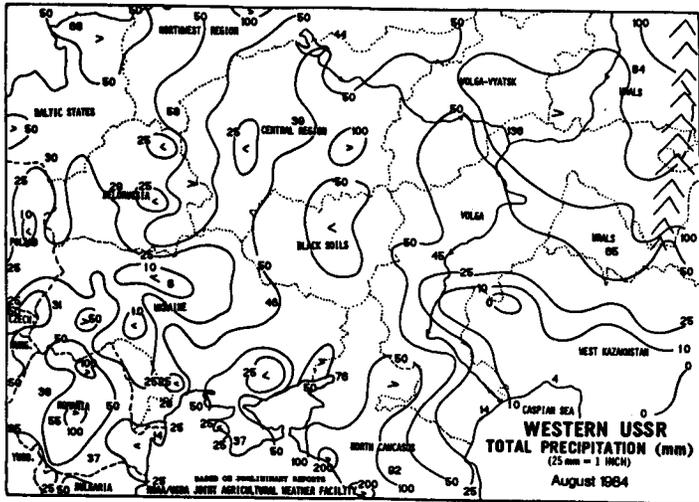
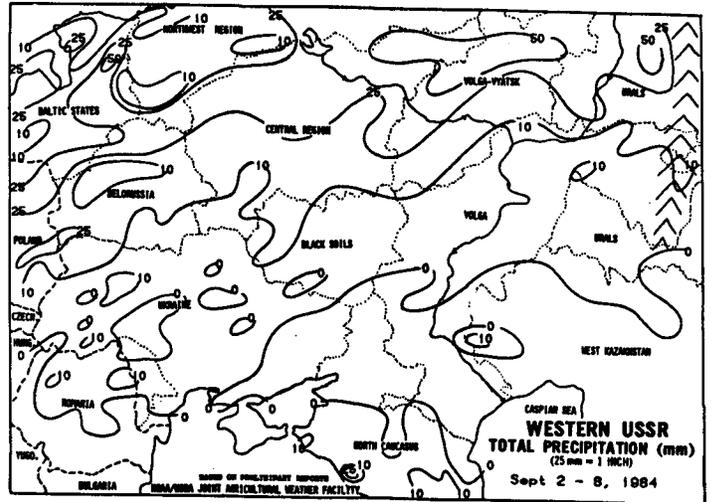


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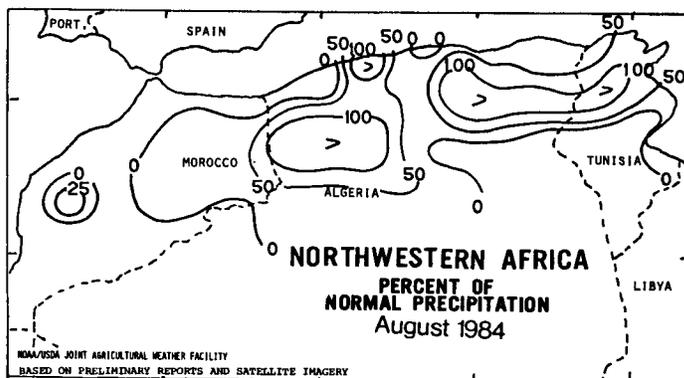
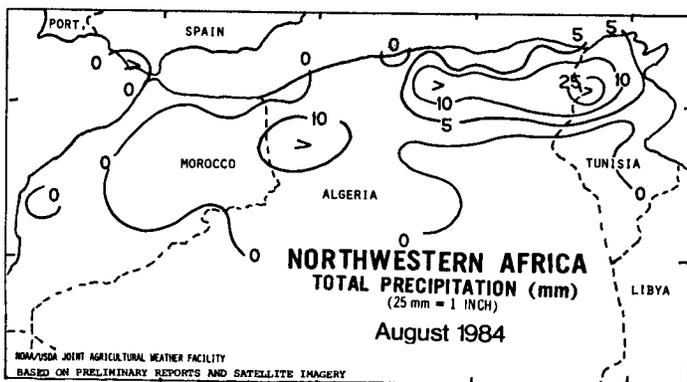
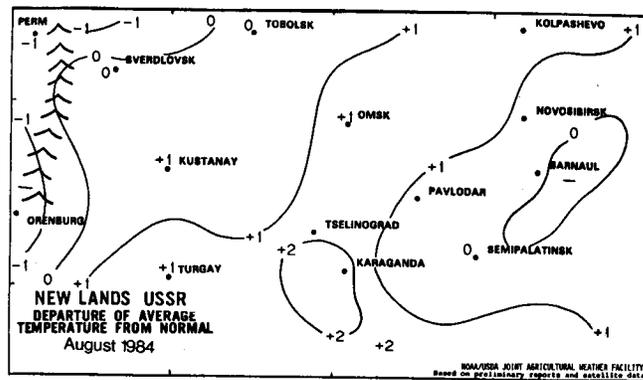
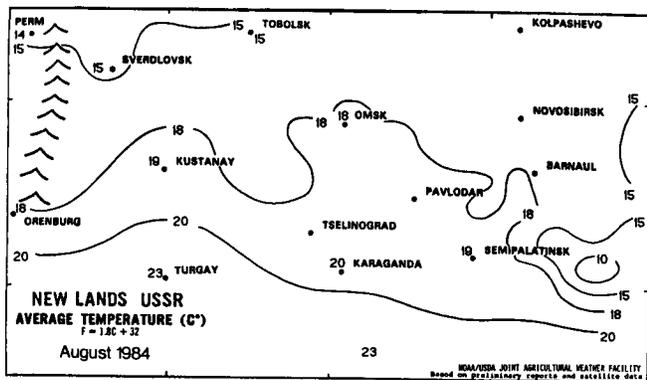
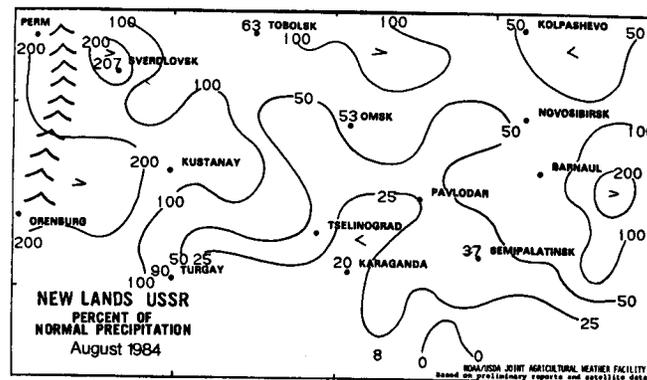
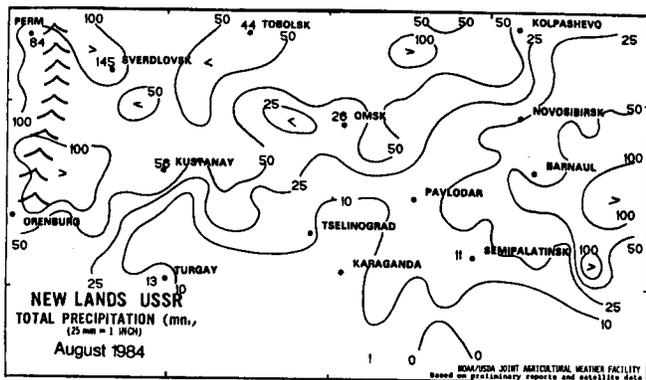
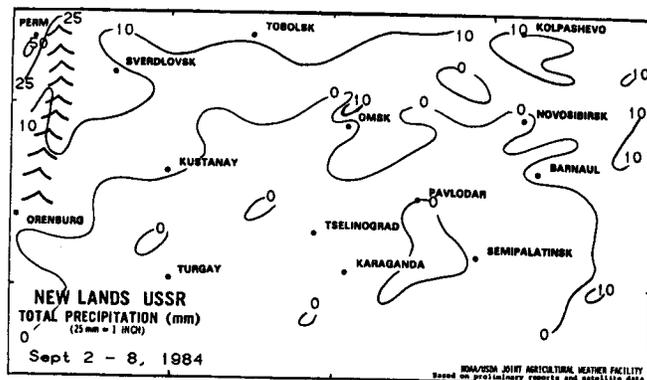
- UNITED STATES** ... Rains benefit soybeans in the southern Corn Belt and wheat planting in eastern Oklahoma. However, dryness continues delaying wheat planting elsewhere in the central Plains. The California heat wave makes excellent rain drying weather. Tropical Storm Diana forms east of the Florida coast.
- USSR** ... Weather conditions for harvesting are mostly favorable, except north European USSR's wet weather creates some delays. Reports indicate 75 percent of the total grain crop is harvested.
- EUROPE** ... Showers in northern crop areas moisten topsoils, providing good winter grain planting conditions. Mostly dry weather in the southeast aids harvesting.
- SOUTH ASIA** ... Monsoon activity continues benefiting rice. Dry weather in the south stresses cotton and groundnuts.
- EASTERN ASIA** ... Scattered precipitation benefits the southern late rice area. A band of heavy rain probably lowers cotton quality in the southern North China Plain.
- SOUTHEAST ASIA** ... Moisture conditions are favorable for most rice areas. Precipitation interrupts Thai corn harvesting. Typhoon Ike damages sugarcane and coconuts in the southern Philippines.
- CANADA** ... Recent wet weather delays the crop harvest in the northern Prairie grain belt. Locally heavy showers in northern Alberta likely cause maturing crop lodging. Harvesting is nearly complete in the southern grain belt.
- SOUTH AMERICA** ... Substantial rain falls over the previously dry wheat areas of Argentina, promoting vegetative growth. Mostly dry weather in Brazil's wheat area aids the maturing crop in the north and grain filling in the south.
- MEXICO** ... Heavy tropical showers over much of the east and south generally benefit agriculture, but a few torrential downpours may damage some crops. West coast soybeans dry as rains decrease. Hurricane Marie stays off the west coast.
- AUSTRALIA** ... Favorable weather for vegetative growth of winter-sown crops continues over much of Australia's wheat belt. Light showers fall over northern wheat where it approaches the heading stage, while light to moderate showers fall over southern wheat in the jointing stage.

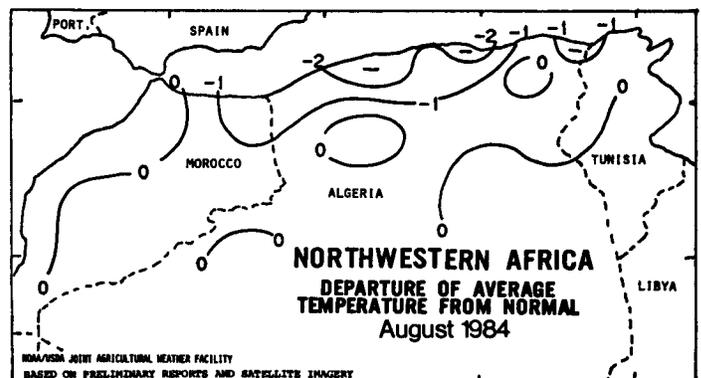
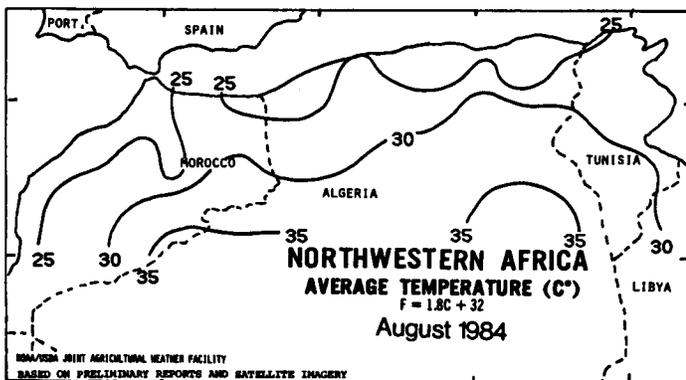
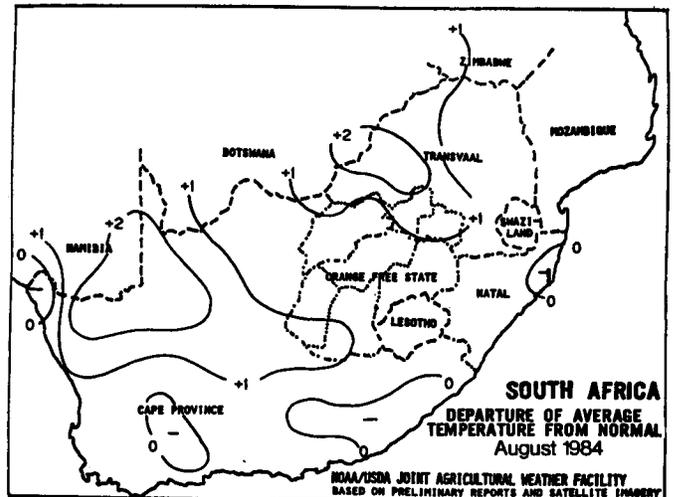
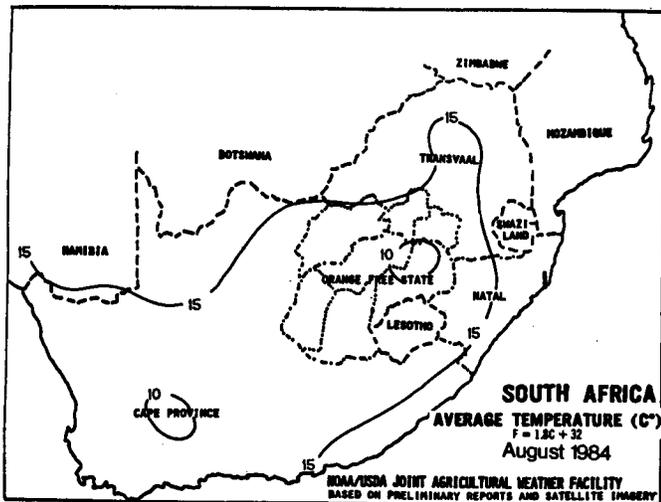
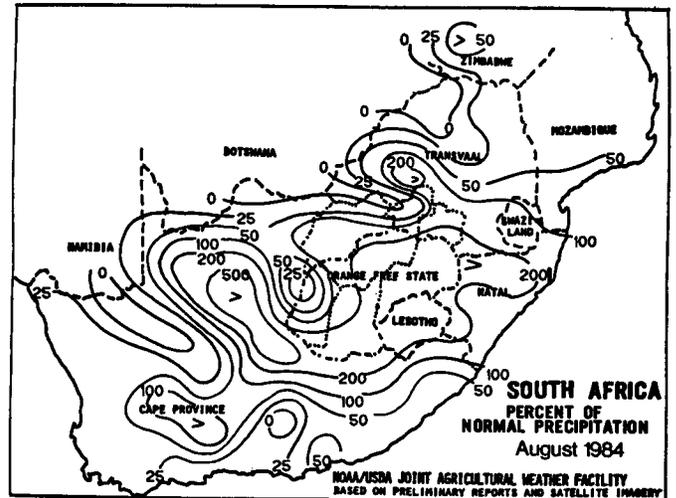
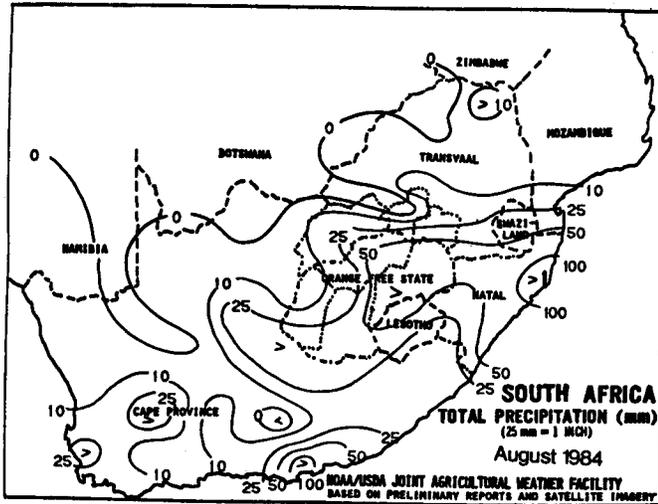


WESTERN USSR... Wet weather continued to slow harvesting in the northern crop areas of the Central Region, Volga Vyatsk, and northern Urals. The wet weather in these areas followed a period of generally dry, cool weather in mid-August, aiding fieldwork for both grain harvesting and winter grain planting. Reports indicate northern winter grain emergence. Mostly dry weather covered crops across the southern half of the region, reversing August's above normal precipitation pattern in the eastern Ukraine, lower Volga Valley, and the North Caucasus. The wet weather in these areas provided favorable topsoil moisture for winter wheat planting, normally beginning around mid-September. However, winter grain in the western Ukraine received little precipitation since August, and showers are needed to boost topsoil moisture. The corn in most of the Ukraine and North Caucasus is maturing. Crop progress in some areas, particularly in the west, is behind normal due to continued below normal temperatures.

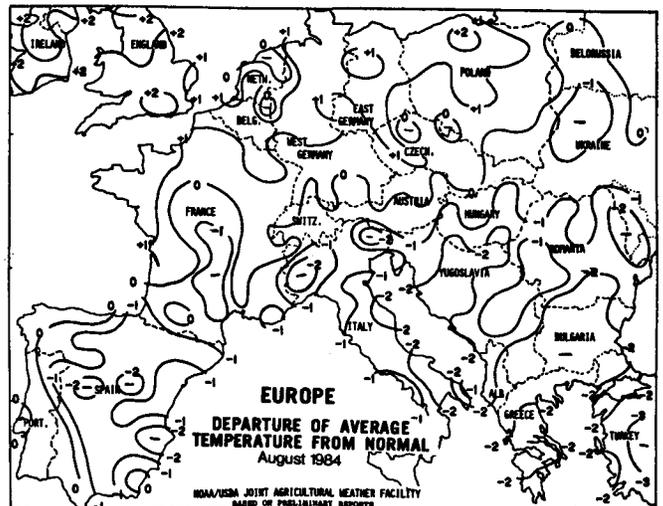
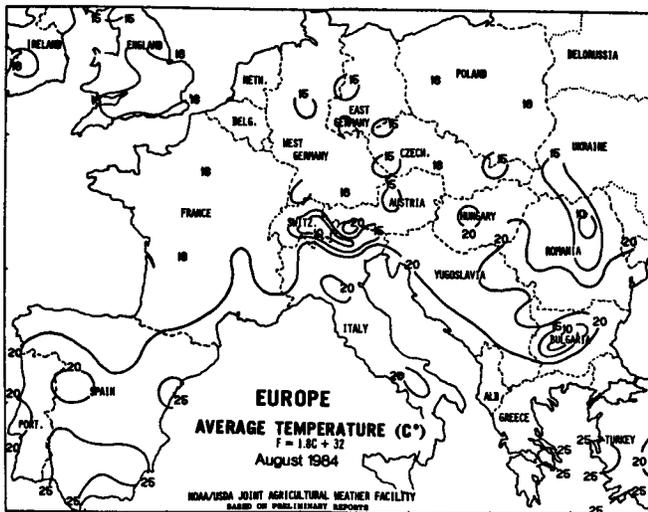
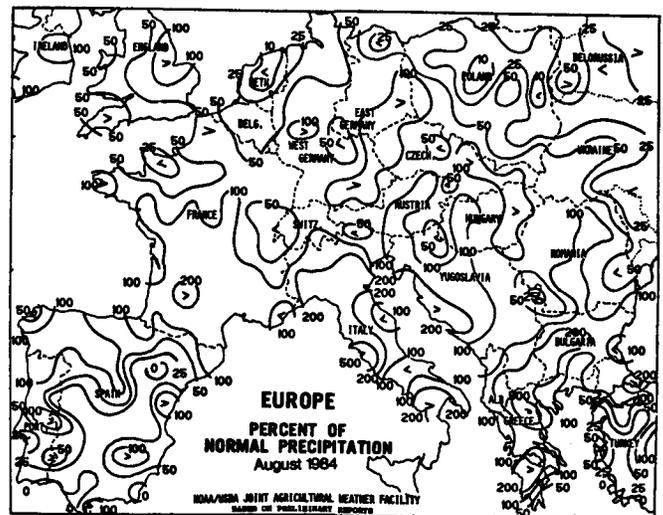
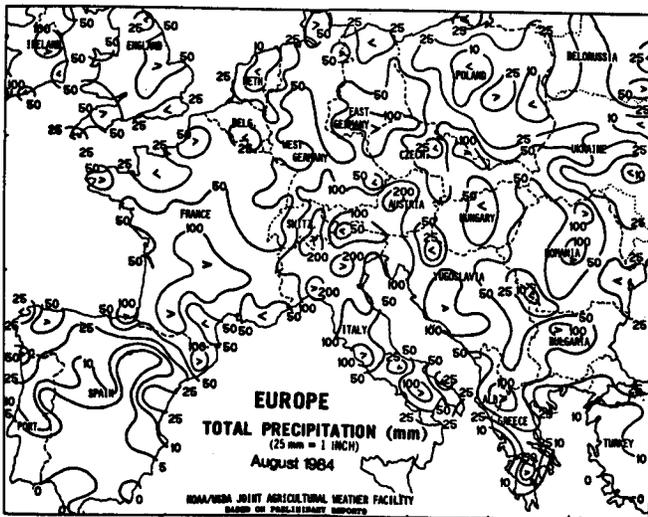
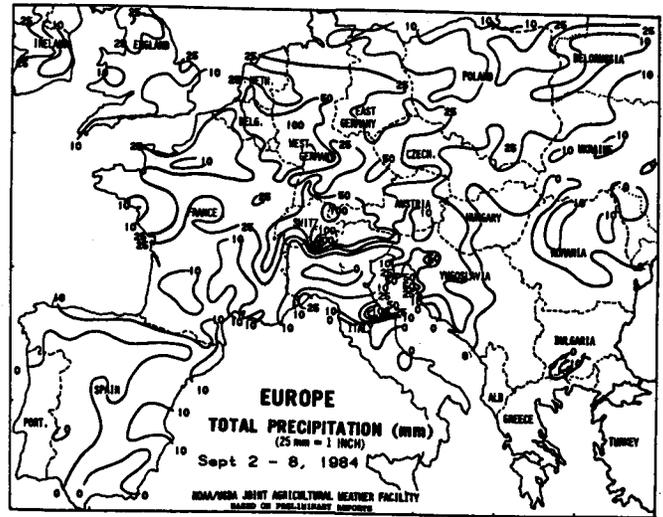


NEW LANDS... Generally favorable weather conditions for grain maturation and harvesting covered the region since August. However, some harvesting delays may have occurred for western spring wheat around the Ural Mountains. Spring wheat in these areas received twice the normal amounts of rain during August. In eastern spring wheat areas around Barnaul and Novosibirsk, wet, cool conditions in early August were replaced by unseasonably warm, dry conditions which continue to the present. These extremely favorable weather conditions promoted crop maturity, and allowed harvesting to progress with few delays. Reports indicate that as of September 3, the total USSR grain crop is harvested on about 75 percent of the fields. In South Central USSR cotton areas, hot, dry weather continued during August. The cotton harvest is taking place over many areas under cool weather and light showers.

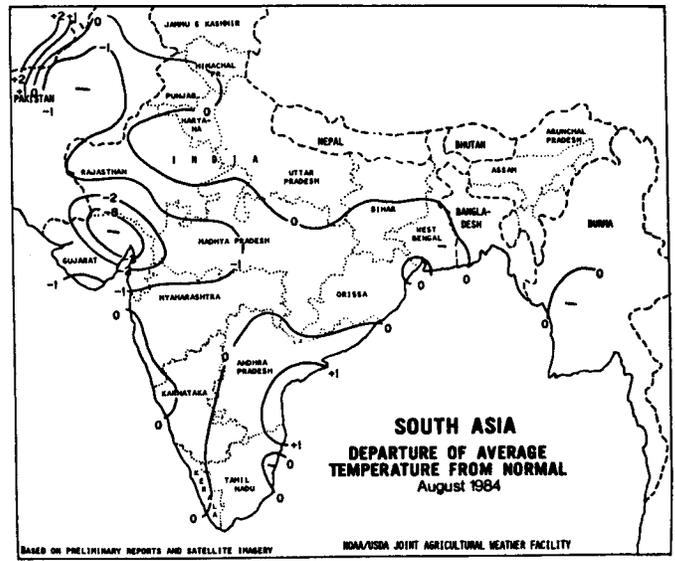
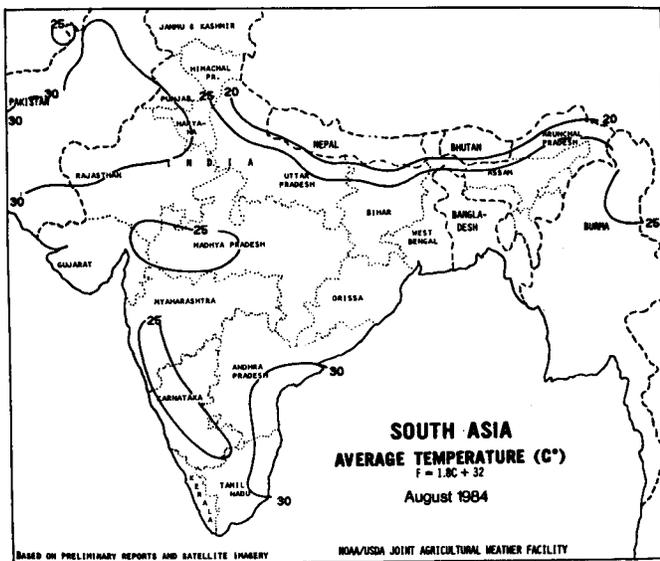
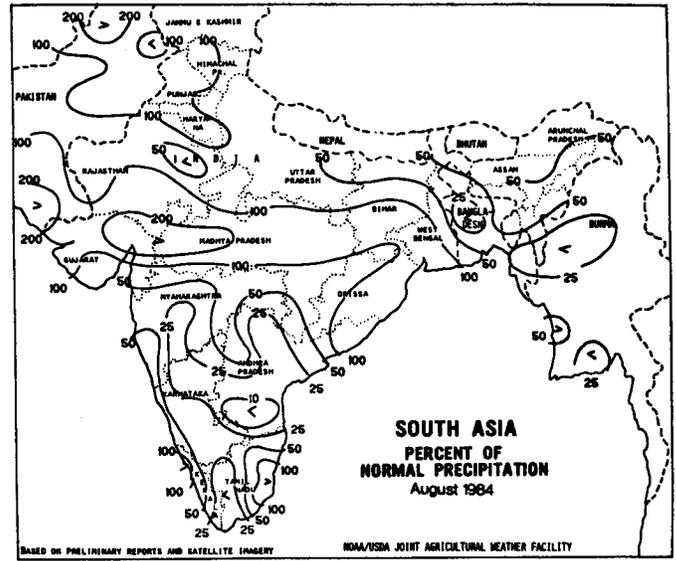
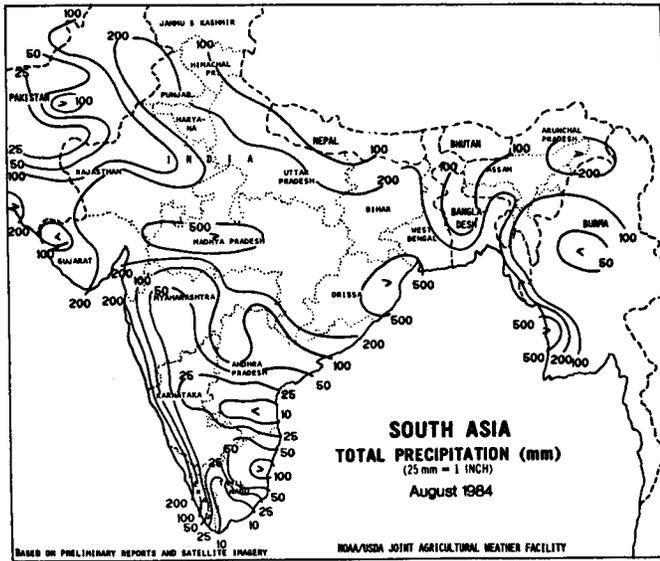
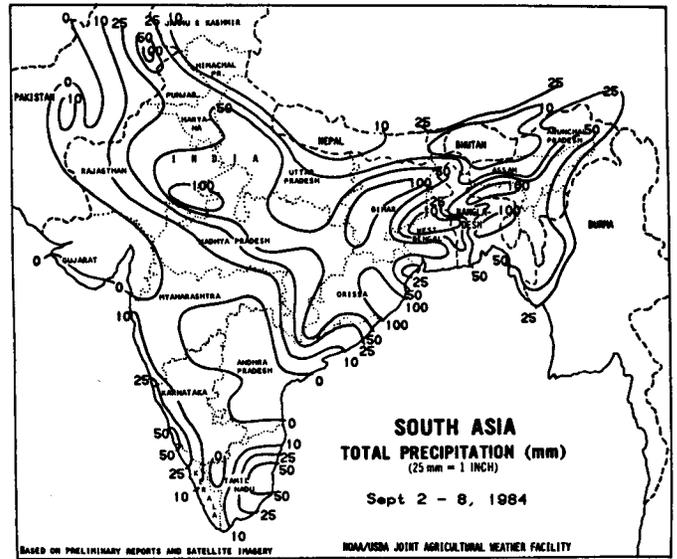




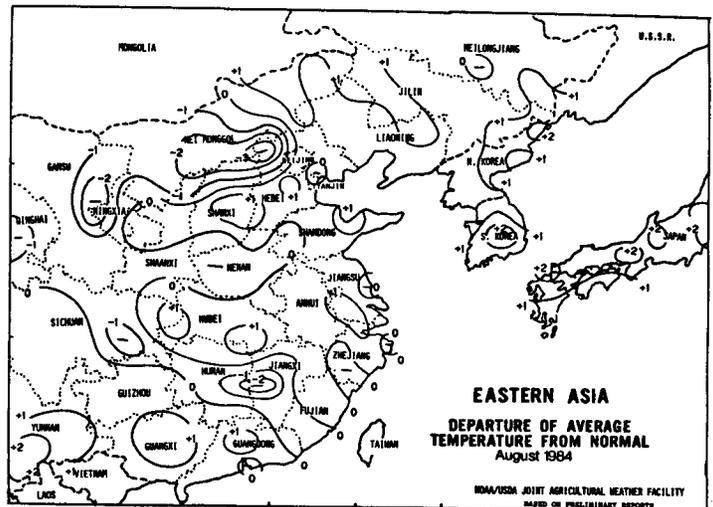
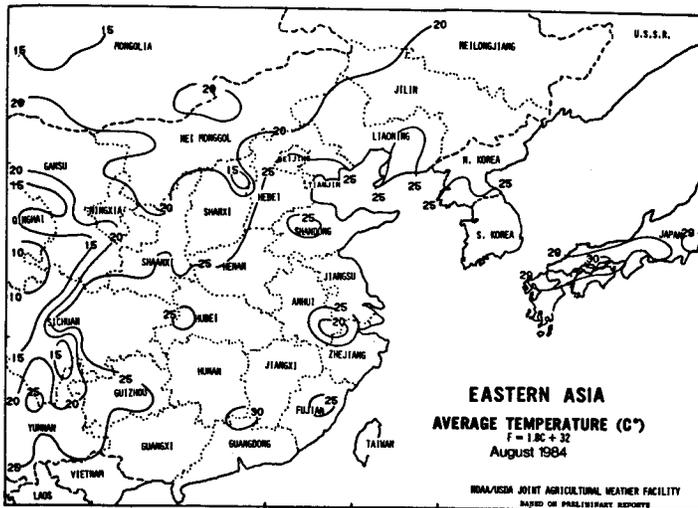
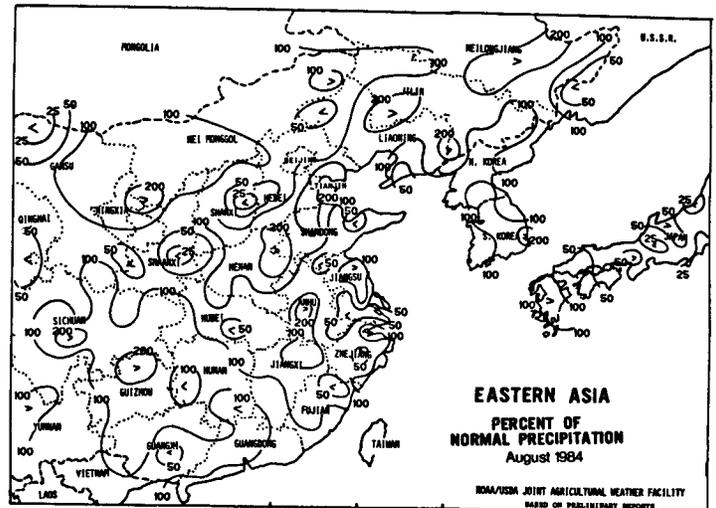
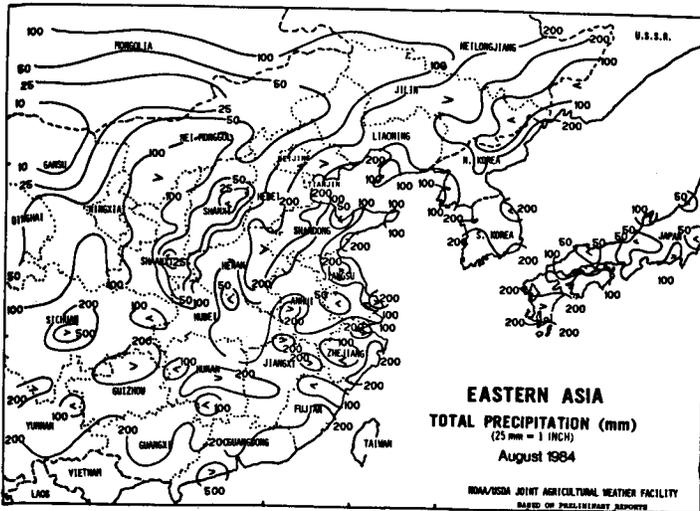
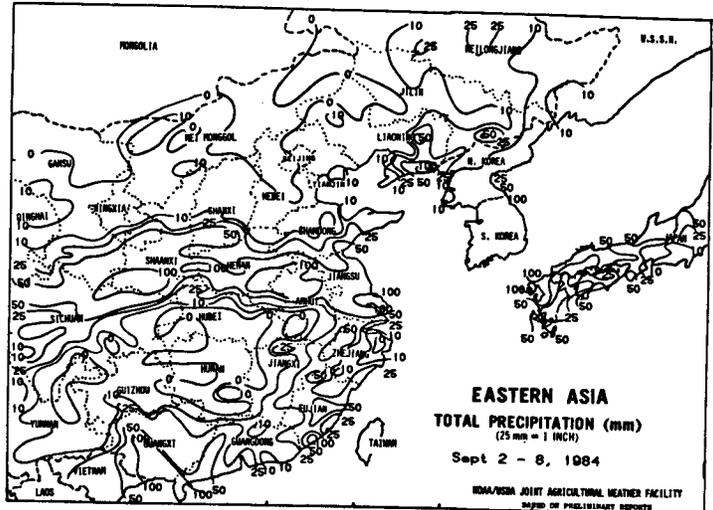
EUROPE...Showers recently covered the northern crops which received below normal August precipitation. The favorable August weather conditions favored grain maturation and aided harvest activity. The recent showers moistened topsoils, providing good winter grain planting conditions. In southern France, northern Italy, and western Yugoslavia, wet August weather was unfavorable for maturing crops, probably delaying the harvest. Recently, drier weather covered these areas, allowing fieldwork to resume. Generally dry weather in eastern Czechoslovakia, Hungary, and Romania continued August's below normal precipitation pattern. The favorably dry conditions aided harvest activity, but below normal temperatures slowed corn and sunflower maturation.



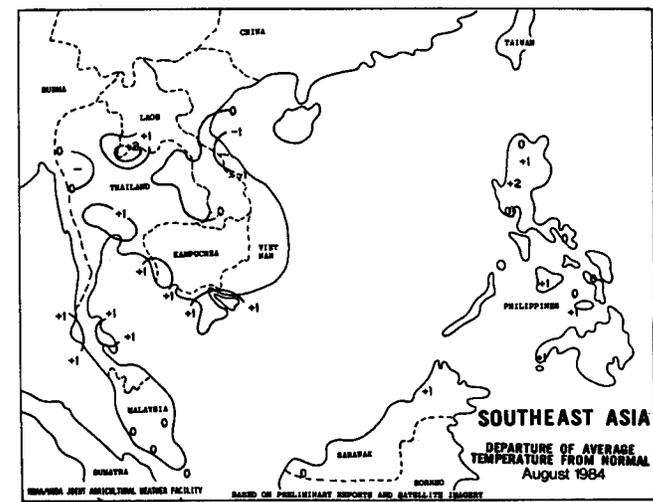
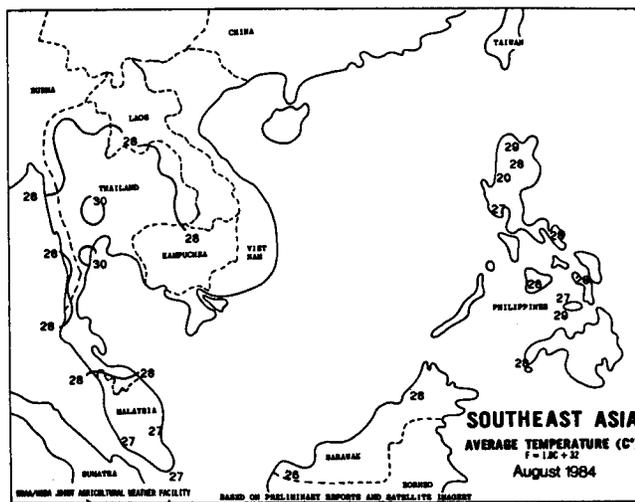
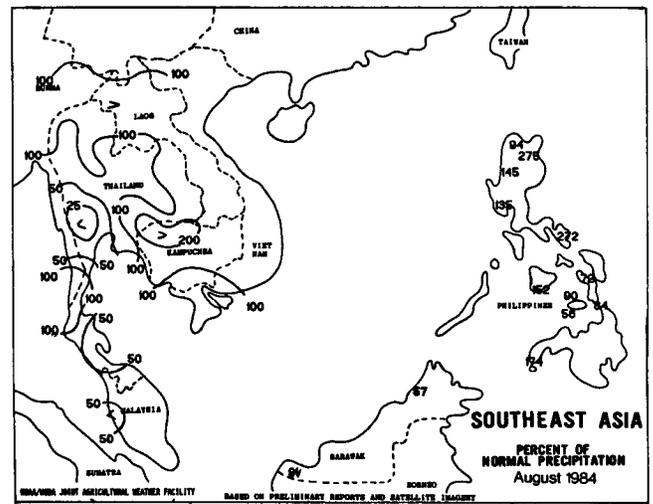
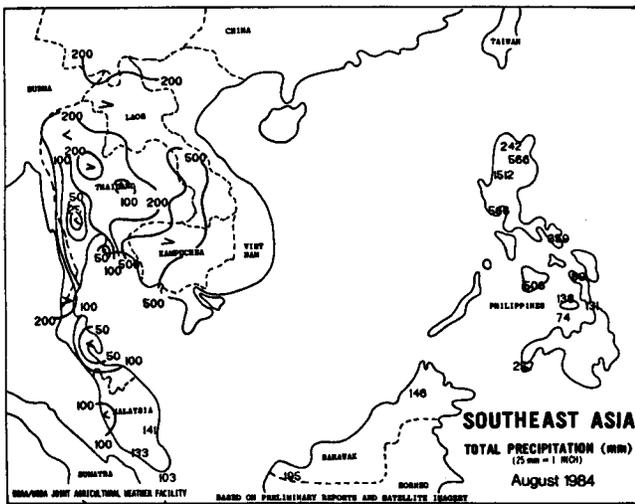
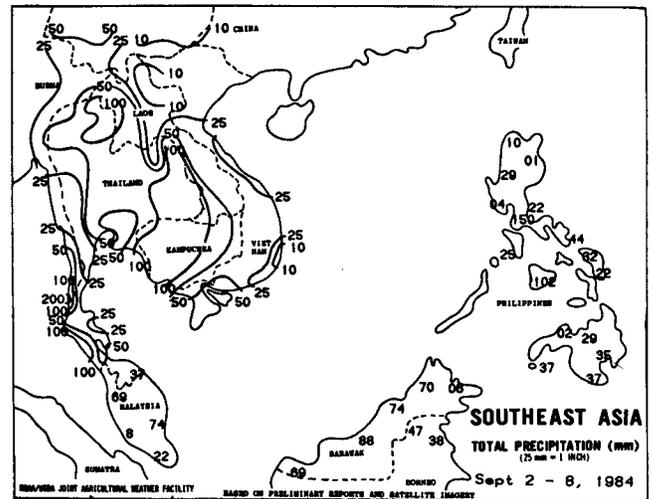
SOUTH ASIA...The rain pattern has not changed significantly since early August. Moisture conditions are mostly favorable in the north, while persistent dryness threatens crops in the south. Limited moisture in Maharashtra, Andhra Pradesh, Karnataka, and Tamil Nadu has been unfavorable for cotton and groundnuts in the reproductive stages. Temperatures remained mostly near normal in the south, but slightly above normal in Andhra Pradesh. Precipitation recently decreased in Gujarat and western Madhya Pradesh; but moisture supplies should be adequate for cotton and groundnuts entering the reproductive stages, following above-normal August rain. Most autumn rice received adequate precipitation as the crop progresses into the late filling and maturing stages. Above-normal rain in the east benefited winter rice entering the heading stage. Heavy August rain and flooding may have damaged parts of the winter rice, autumn rice, and cotton/groundnut areas in Orissa, eastern Madhya Pradesh, and western Madhya Pradesh, respectively.



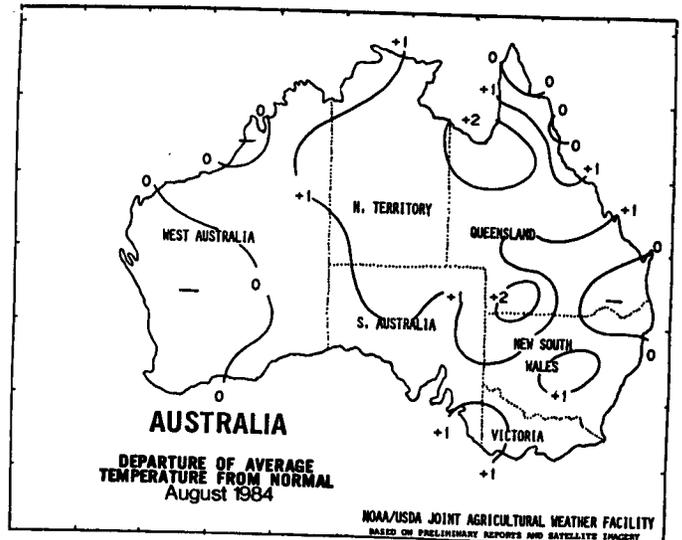
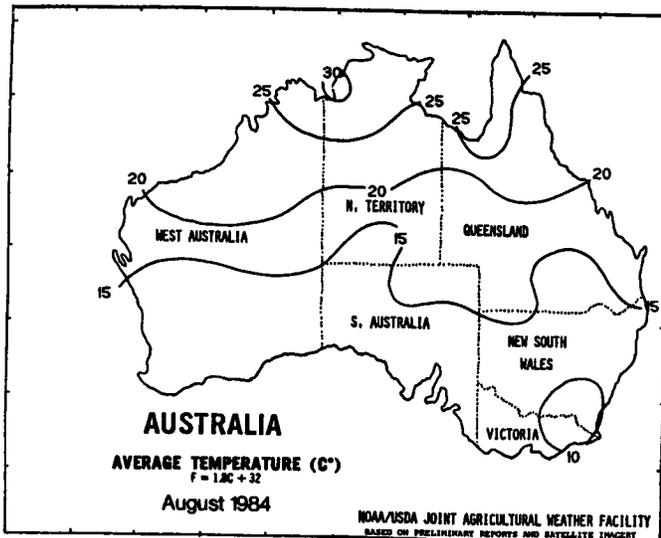
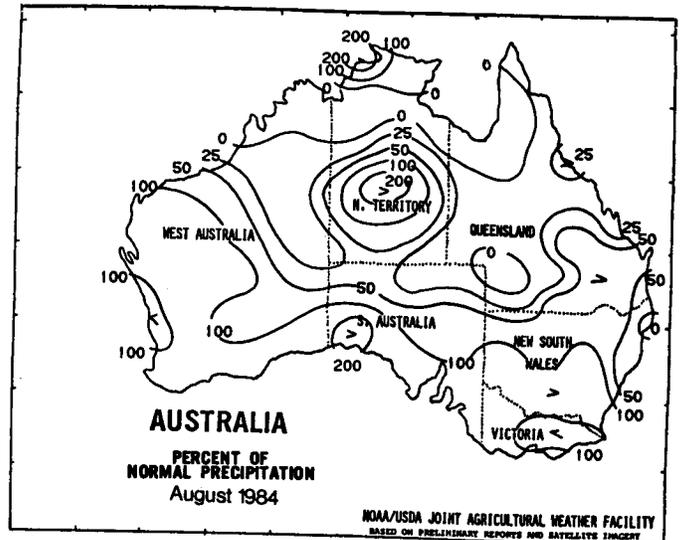
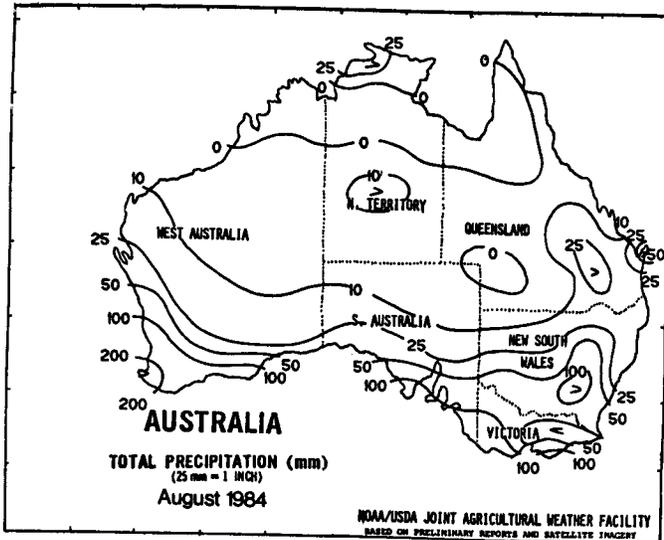
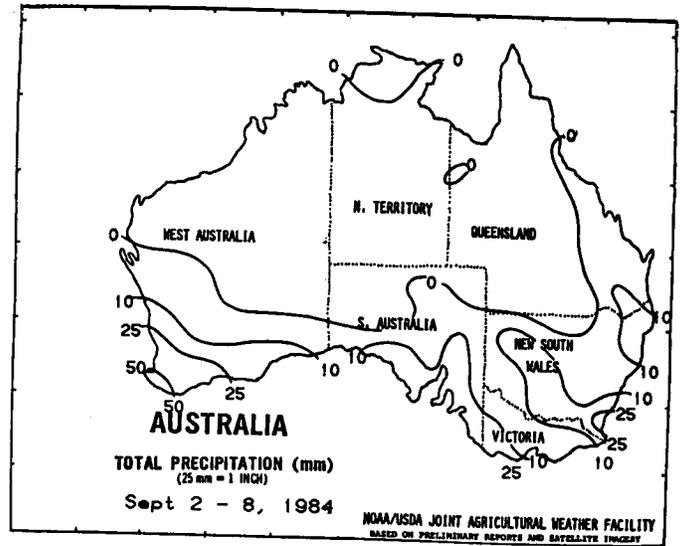
EASTERN ASIA... August precipitation increased in southern China, benefiting late rice in the heading and filling stages. In early August, the remnants of a tropical storm produced a band of heavy rain from southeastern China through Henan, Shandong, and Hebei. The inundative rain was unfavorable for southern cotton in the open boll stage, and cotton, corn, and soybeans in the reproductive and filling stages in the North China Plain. Mostly drier weather followed, favoring maturing crops in the North China Plain. Recent heavy rain (100-200 mm) returned to Jiangsu, northern Anhui, and Henan where cotton quality could be reduced. Moderate rain continued during August in northern Manchuria, favoring soybeans. Precipitation may have arrived too late to significantly improve corn conditions in Liaoning and Jilin. Heavy rain and flooding in Korea likely damaged rice in the filling stage.



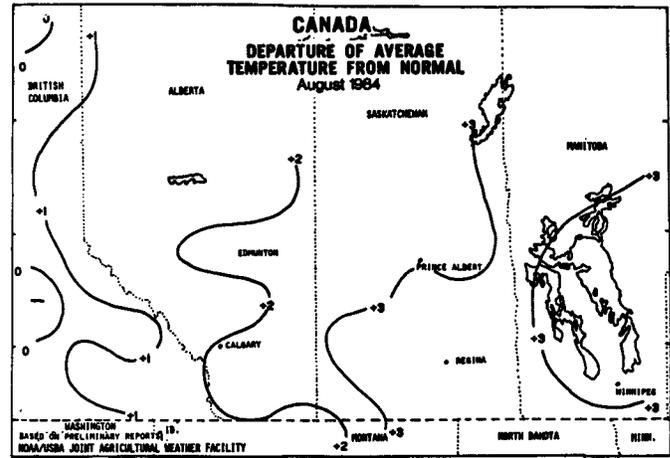
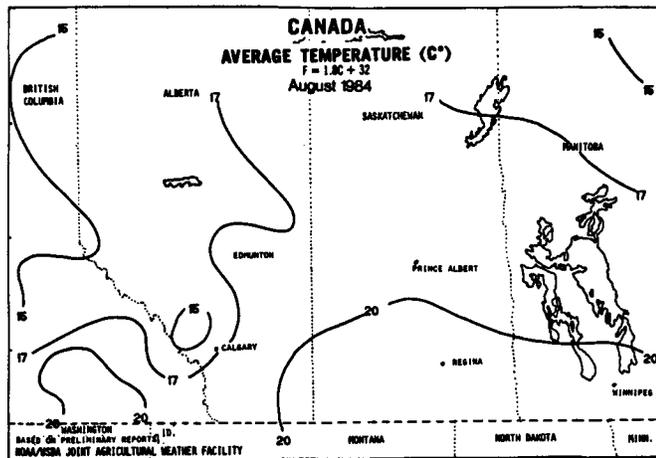
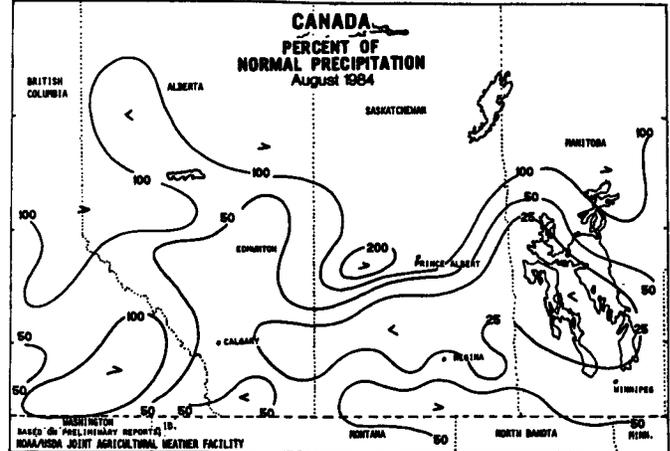
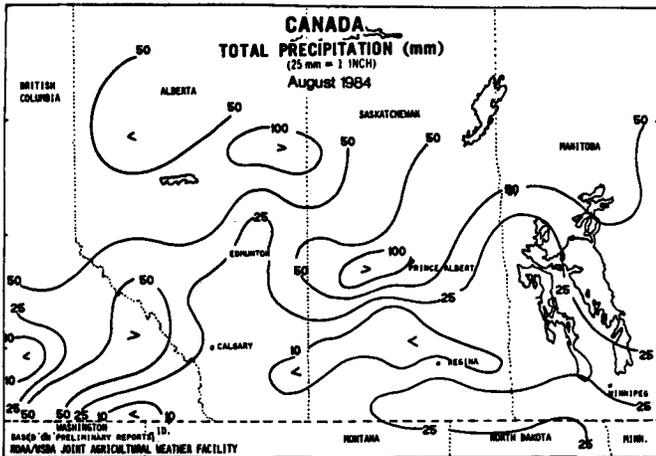
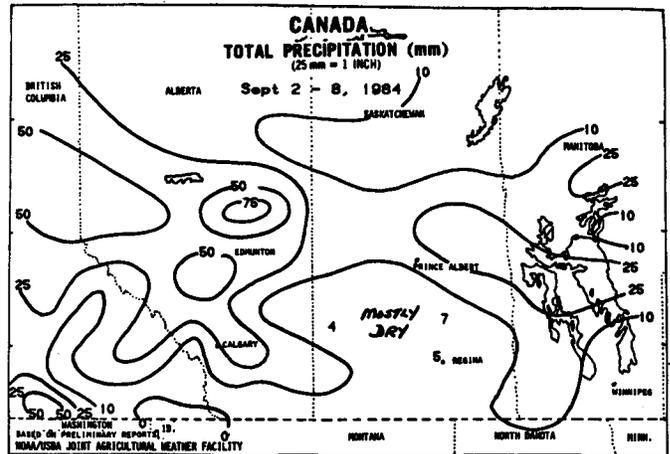
SOUTHEAST ASIA...Moderate to heavy rain in much of Laos, Kampuchea, and Thailand has maintained mostly favorable moisture. Near to above-normal August precipitation favored rice in the filling stage. Below-normal rain in western Thailand extended into part of the south-central rice region. The dry weather was unfavorable for rice in the filling stage. Recently, moderate to heavy rain (50-100 mm) benefited Thai rice, but interrupted corn harvesting. Temperatures were slightly above normal in most of Indochina and the Philippines. During the past few weeks, two typhoons crossed over the Philippines. Typhoon June damaged parts of the northern Philippines, but the much stronger Typhoon Ike recently affected the central and southern islands. Heavy rain and high wind (up to 125 knots) damaged coconuts and sugarcane, as Ike crossed northeastern Mindanao and the major sugar producing island of Negros.



AUSTRALIA...Favorable weather for vegetative growth continued benefiting winter-sown crops across the grain belt. Periodic showers and generally mild weather during August and September promoted wheat and barley development, planted very late due to the earlier dry spell. Some early season wheat was harvested in central Queensland, but the bulk of the crop ranges from jointing to the boot stage, depending on the planting time. Above average August rain and mostly near average monthly temperatures occurred throughout much of the wheat area; except rainfall was somewhat below average in northern New South Wales and southeastern Queensland. Seasonally warmer spring weather will soon advance the wheat through the heading stage. Rainfall during the heading and grain filling stages is an important factor for the Australian wheat crop.



CANADA...Recent wet weather delayed harvesting across the northern Prairie grain belt. In Alberta, locally heavy rain (20-81mm) likely caused some lodging and adversely affected the quality of mature crops. While over 80 percent of the harvest was complete in southern areas, only about 10 percent of the wheat and 50 percent of the rapeseed were harvested in northern Alberta. Wet weather also hampered harvesting across northern portions of Saskatchewan. Above normal August rain in the northwest slowed maturity and harvesting, contrasting sharply with mostly warm, dry weather during August and early September over the remainder of Saskatchewan and Manitoba. Harvests were about 90 percent complete over the southern two-thirds of Saskatchewan. A late August cold spell posed another potential hazard to the maturing crop in northern areas, bringing an end to the heat wave, but producing scattered frost.



(continued from p. 22)

continues west side. Dry pea harvest essentially complete. Dry bean harvest continues. Harvest of vegetable seeds continues. Pastures on the west side of the State received some needed rain. Pastures and range on the east side could still use some rain.

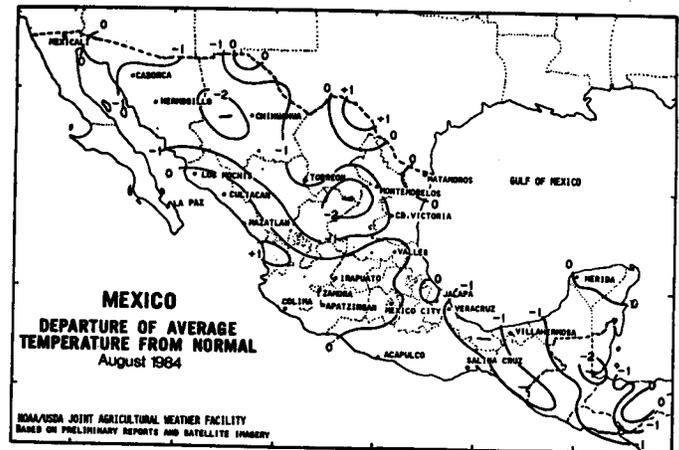
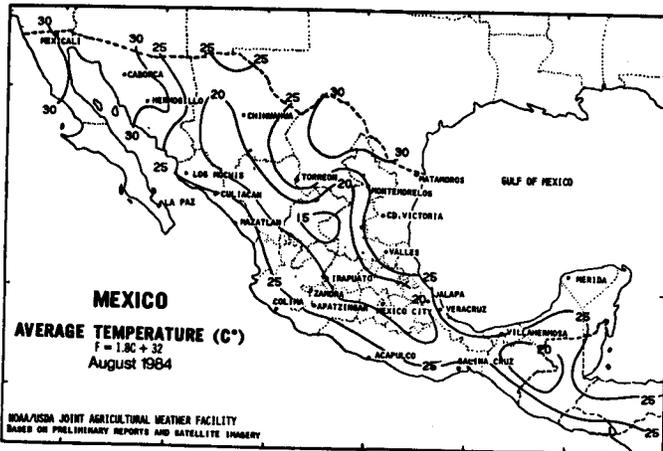
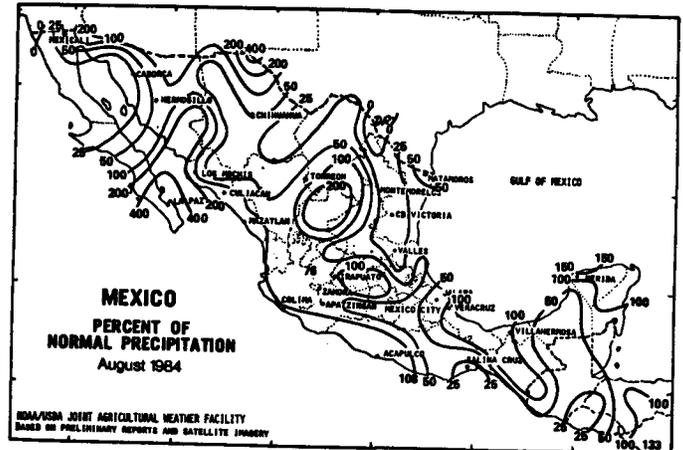
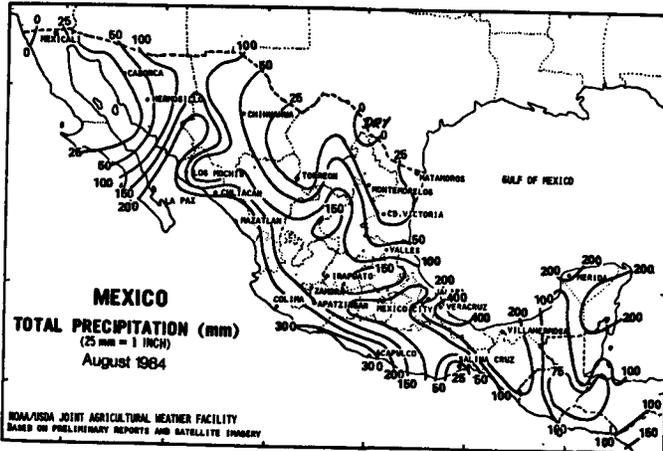
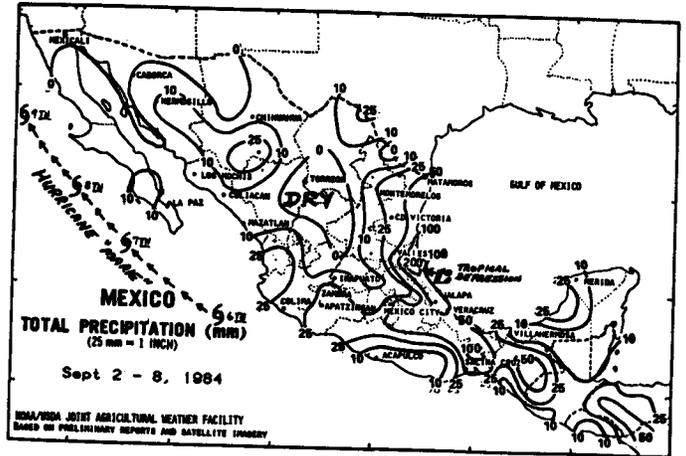
WEST VIRGINIA: Temperatures averaged 3 to 4° below normal. High of 94° in Burlington, Pt. Pleasant and Spencer. Low of 31° in Canaan Valley. Precipitation near normal except central portion below normal, southwest above normal. Least rainfall in Parkersburg 0.07 in., most in Clay 2.04 in.

Soil moisture adequate to short. Days suitable for fieldwork: 4.5. Main activities: Harvesting hay, clipping pasture and general maintenance.

WISCONSIN: The week was characterized by unsettled weather patterns which featured several weather systems moving through the State. Rainfall varied from 0.40 to 1.00 in. Light frost was noted in widely scattered location in the north.

There were 5.3 days suitable for fieldwork. Soil moisture was 30% dry, 62% adequate and 8% surplus. Corn 55% dented, 59% last year, 55% average. Corn 15% mature, 33% last year, 26% average. Moisture received in the week added to that of the Labor Day weekend perked up some crops but yield prospects were still being discounted by reporters in the dry areas for corn and soybeans. Silo filling had started, a few had picked corn for grain for livestock. Soybean pods were filling, leaves were turning and falling in a few areas. Third crop hay was 42% harvested, 33% last year, 32% average. (continued to p. 34)

MEXICO...Stormy, tropical weather dominated the southern half of Mexico and Central America. A tropical depression moved inland midway between Tampico and Veracruz, triggering heavy rains over most of the east coast. Torrential amounts up to 200 mm deluged a few spots south of Valles. The moisture benefited orchards, rangeland vegetation, sugarcane, and crops; however, some areas were excessively wet, and certain crops could be damaged. Hurricane Marie, off the southwestern Mexican coast, generated beneficial rains inland, to parts of the southern Plateau corn belt where dryness had become a problem. The excessively moist soybean area in northern Sinaloa and southern Sonora dried some as only light rains fell during the past few days. Dryness persisted over the north central region, stressing rangeland vegetation and livestock. Heavy rains were scattered across Central America as tropical activity increased.



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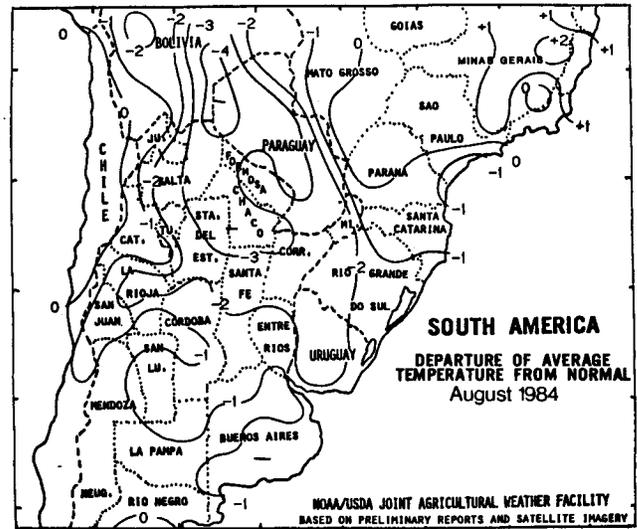
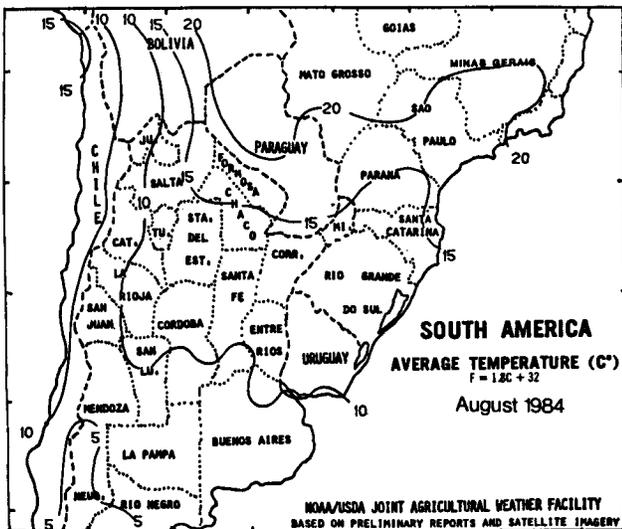
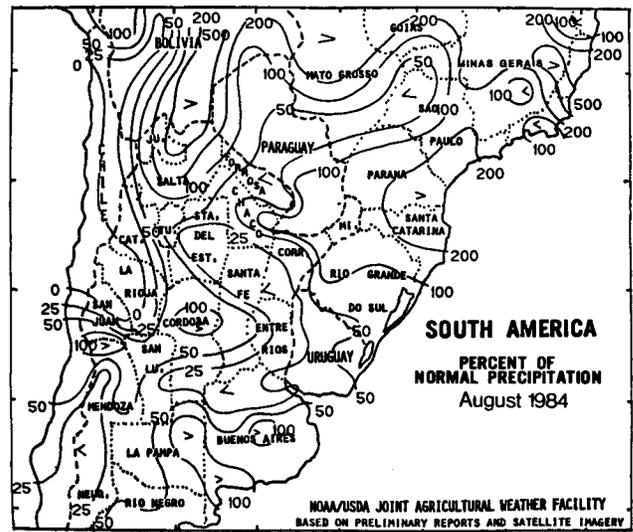
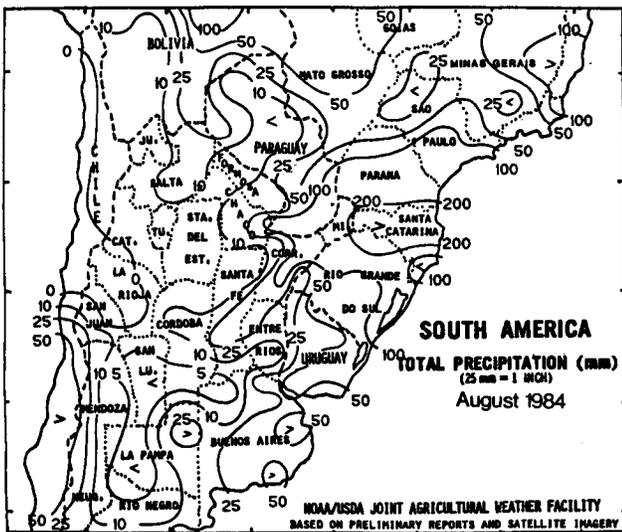
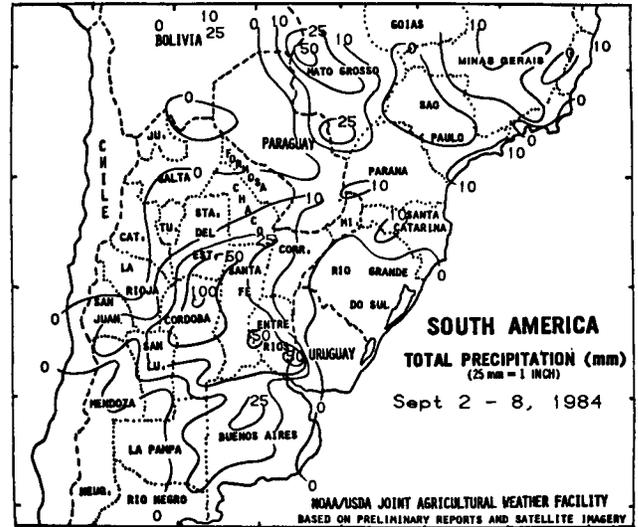
3rd crop was too short to take, other areas it was doing very well.

WYOMING: Temperatures about 10 above normal. Lowest temperature 26°. Highs in 90's. Most areas some rain. Season's first snows dusted mountains.

Topsoil moisture short 54% State. Days suitable for fieldwork: 7.0. Barley 80% harvested, last year 75% harvested. Spring wheat 85% harvested, last year 75% harvested. Oats 70% harvested, last year 65%. Alfalfa, second cutting 75% complete, third cutting

underway few areas. Other hay harvest 90% complete. Corn: 40% dough, 45% dented, 5% mature. Harvest prospects fair to good. Corn silage 14% harvested. Dry beans: 45% windrowed, 15% harvested. Normally 9% harvested. Potatoes harvested, 5%; harvest prospects mostly good. Sugarbeet harvest prospects fair to good, harvest will start mid-September Big Horn Basin area, October 1 southeastern areas. Winter wheat seeded 40%, emerged 5%. Grasshoppers a major concern to wheat growers in eastern areas. Livestock mostly good condition.

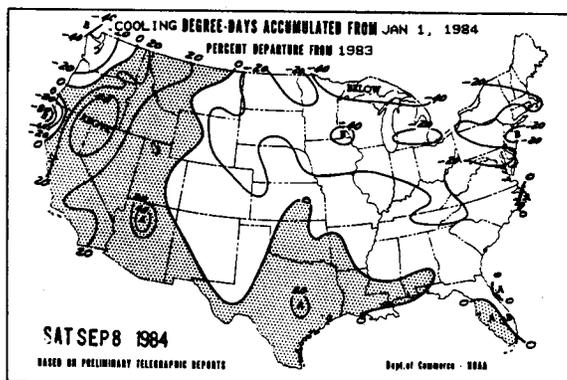
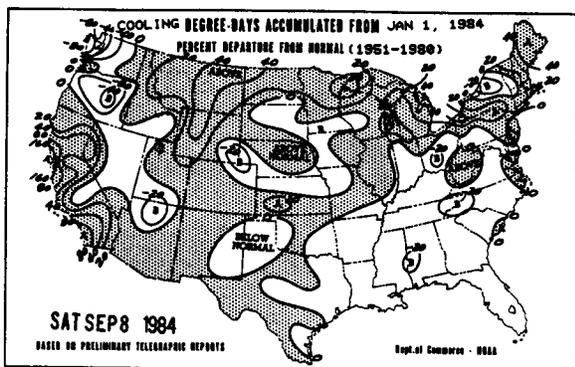
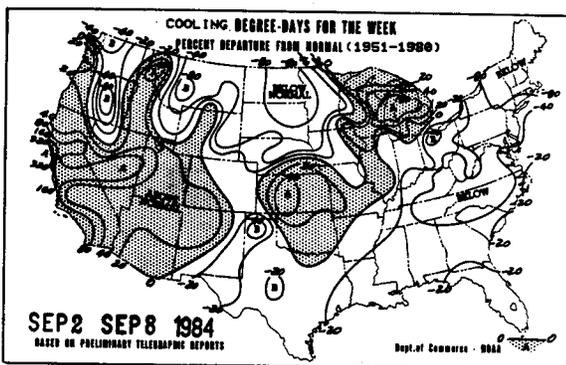
SOUTH AMERICA...Substantial rain fell over the previously dry Argentine wheat in Cordoba, Santa Fe, and northern Buenos Aires. Weekly amounts ranged from 20-73 mm in the primary growing areas. The moisture broke a long dry spell that lasted through the planting season. August rainfall was much below average, creating unfavorable conditions for wheat germination and emergence. Southern wheat areas had ample moisture for crop establishment. In Brazil, near to above average rain, persisted for several months over the southern states, and extended northward into the coffee region during August. Recent dry weather favored maturing wheat in the north, and aided grain filling in the south. Monthly temperatures were below average in Argentina and southern Brazil, but near average in Brazil's coffee area, despite a late August frost in northern Parana.





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