

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

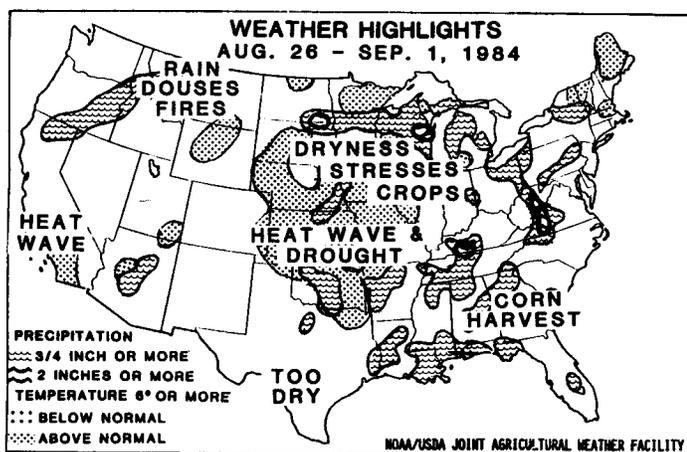
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Sept. 5, 1984

National Weather Summary

August 26 to September 1, 1984



Carolinias. Cooler air moved into Montana, but it was hot through the Plains and into Illinois. Much of the Plains topped 100 degrees.

WEDNESDAY...Cooler air pushed into the northern Plains, but the hot weather reached from the central and southern Plains to the lower Great Lakes. Some moderate showers fell in the central Great Lakes region, but showers were widely scattered and light through the east coast. Scattered showers fell in parts of the central Plains.

THURSDAY...Pleasant, autumn-like weather spread further southward into the Nation's midsection. Rains doused the eastern Great Lakes, parts of central Texas to the mid-Appalachians, and from northern California and Oregon into Montana, where forests had been burning for several days.

FRIDAY...Rains spread over most of the Northwest, bringing relief to drought areas and helping extinguish the Montana forest fires. The Northeast was pleasant, while the central Plains were unusually hot.

SATURDAY...The rains decreased and spread eastward into parts of the Corn Belt, which again was experiencing abnormal heat such as that in the central Plains, most of California, and Arizona.

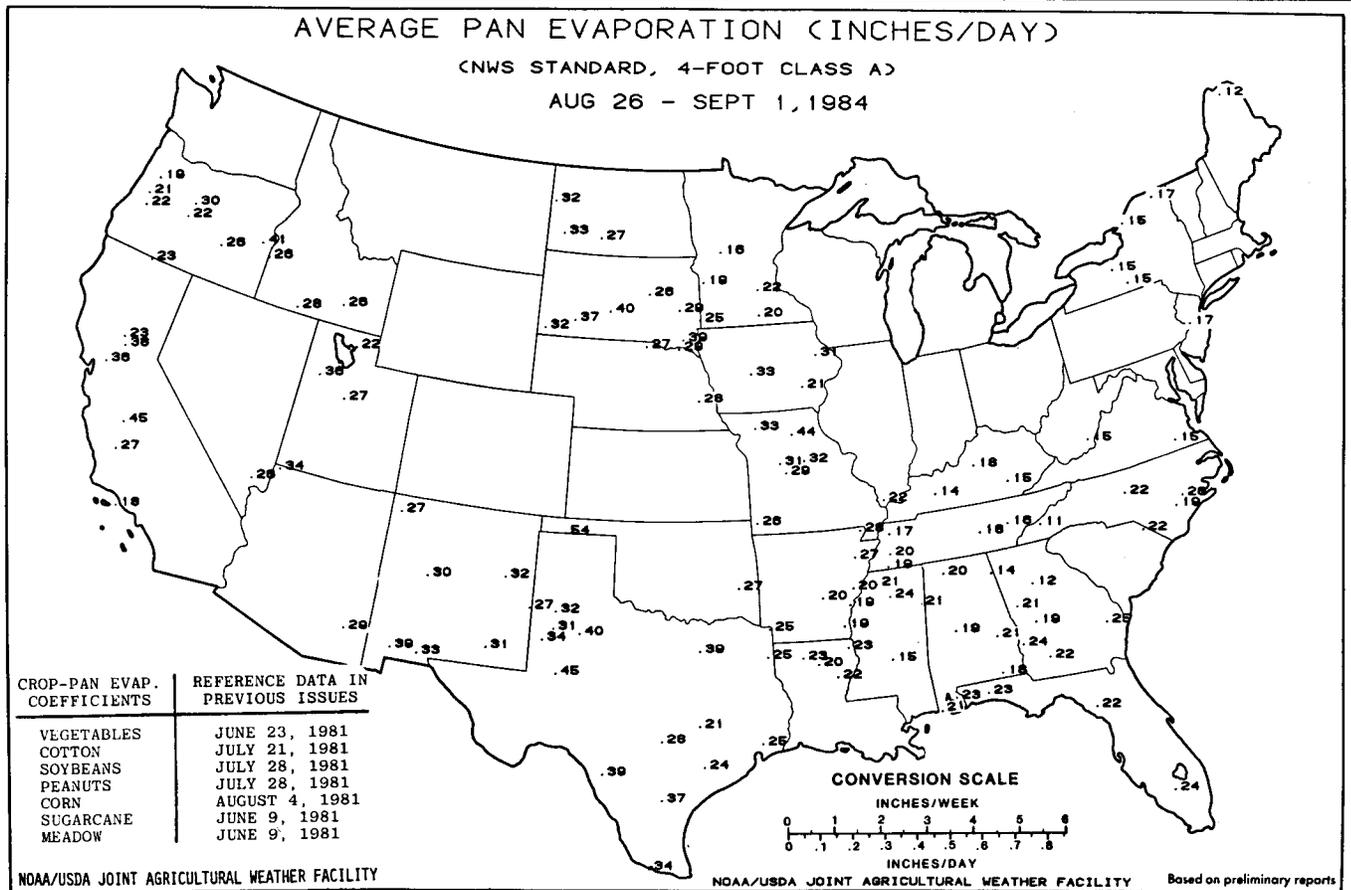
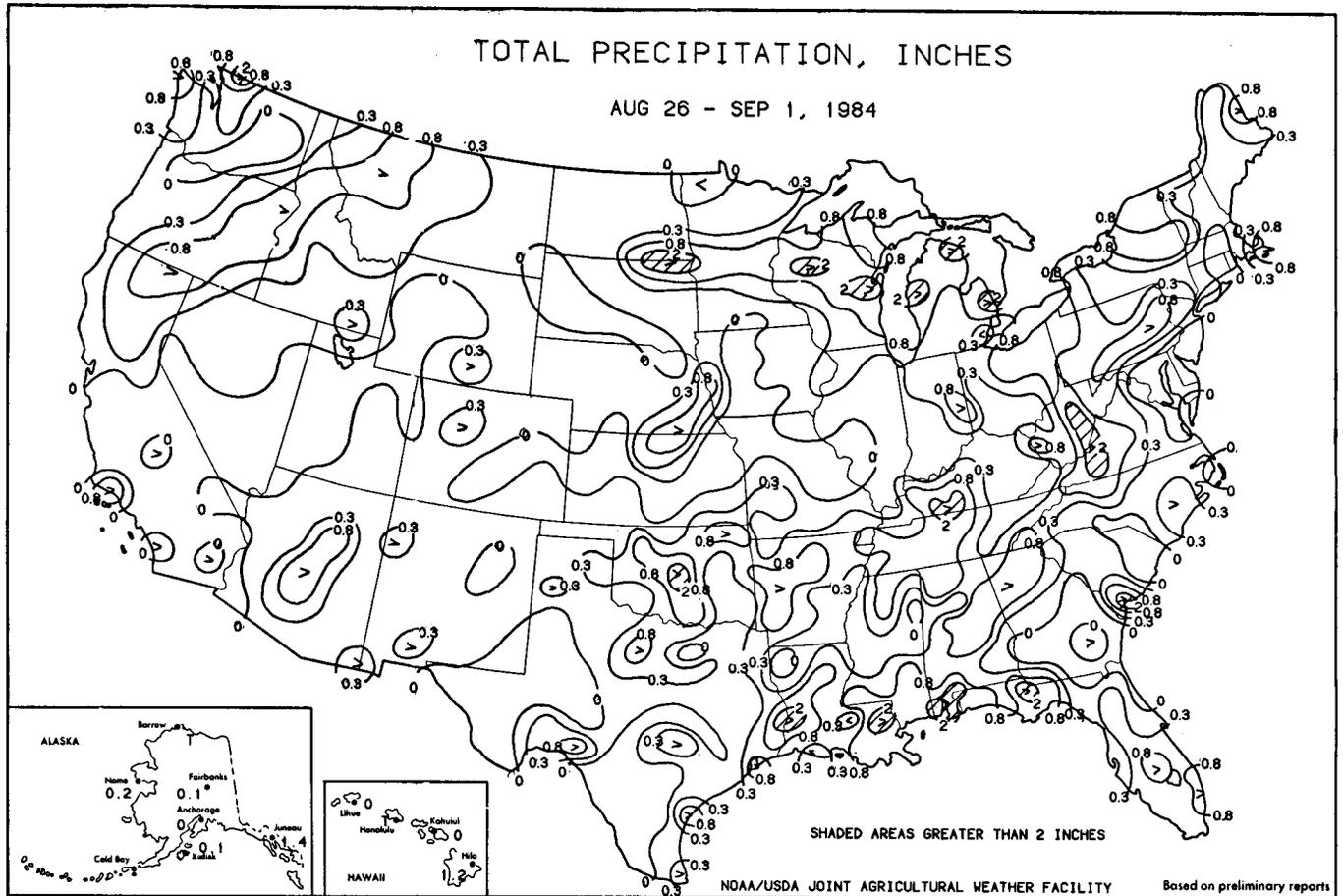
HIGHLIGHTS: Abnormally hot, dry weather blanketed most of the central and southwestern parts of the Nation. Temperatures averaged more than 6 degrees above normal across a large drought area from the central Plains into the southwestern two-thirds of the Corn Belt. The unusual heat also extended into the central Rockies and southwestward into most of California and Arizona. Rains finally pushed into western Montana, smothering some of the widespread forest fires. Heavy thunderstorms also wetted parched fields in central Oklahoma.

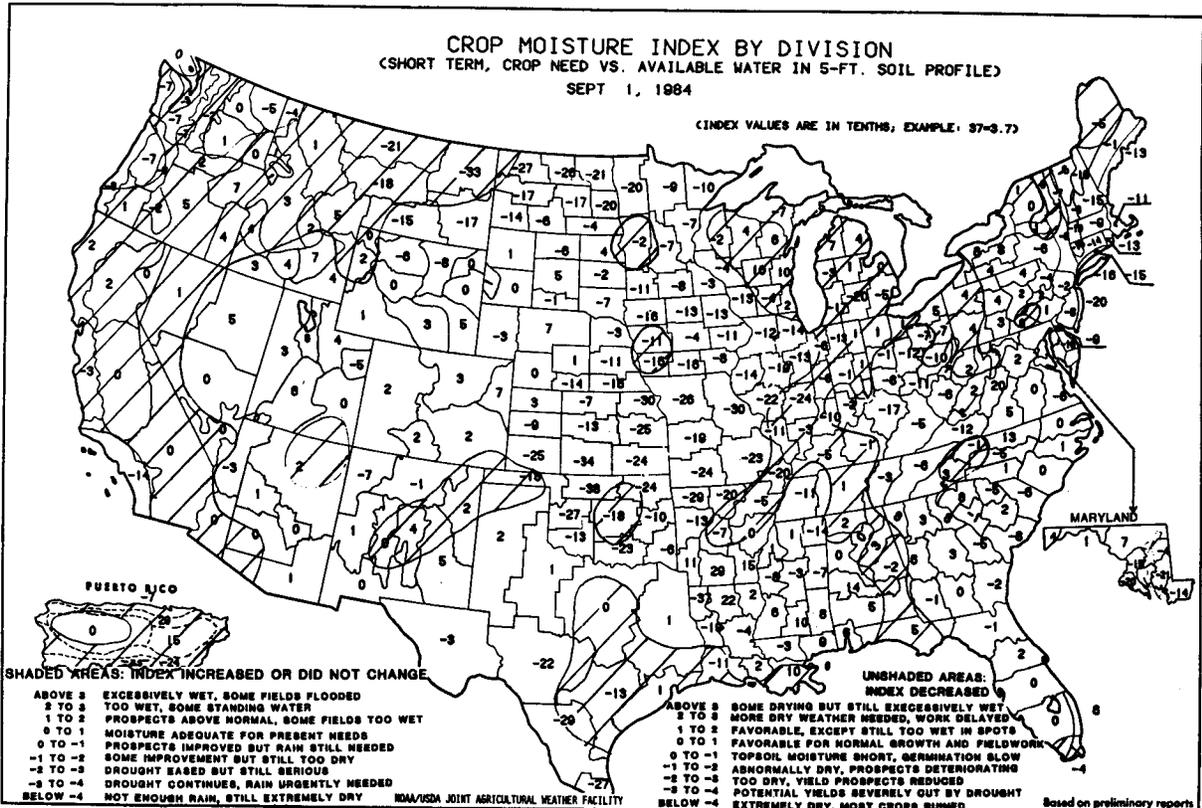
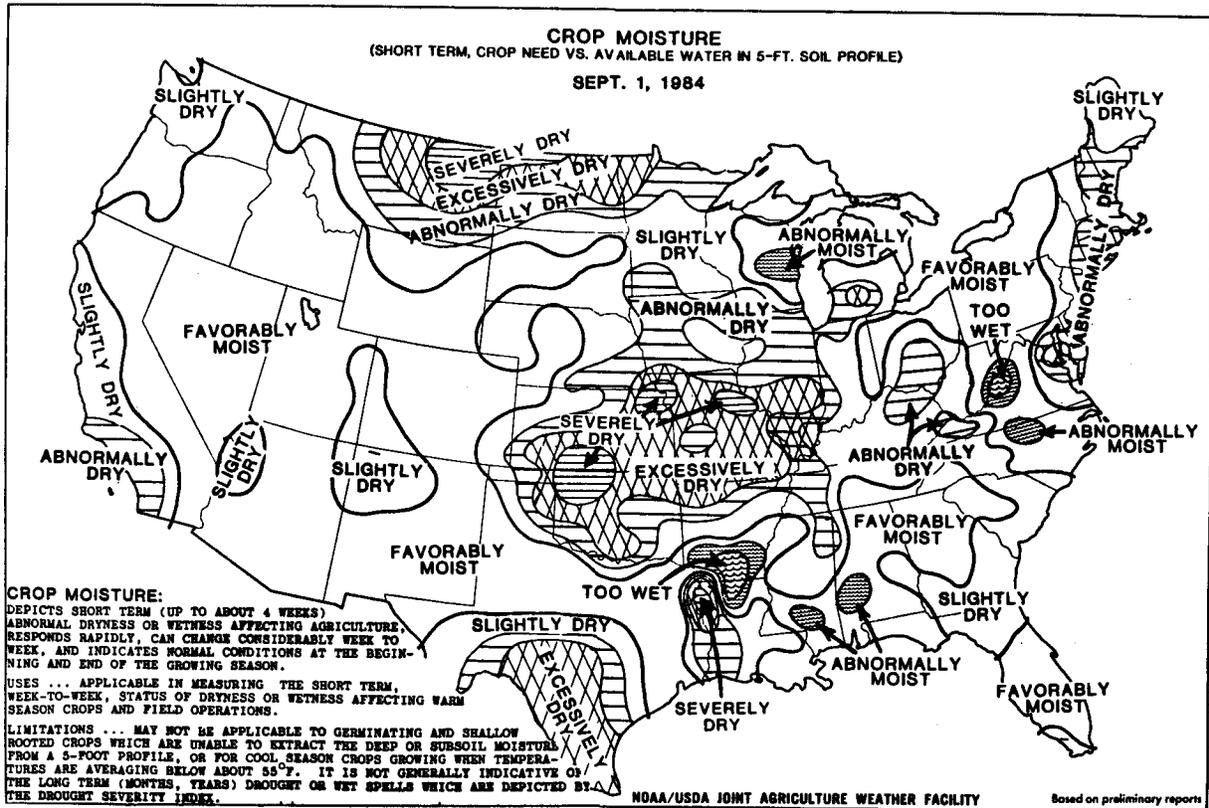
SUNDAY...Thunderstorms caused significant showers from the North and South Dakota border eastward to the north-central Great Lakes. A few showers reached southward through Wisconsin to northeastern Missouri. Afternoon temperatures were above 90 degrees throughout the Plains. Showers fell along the gulf coast and around the Texas Panhandle.

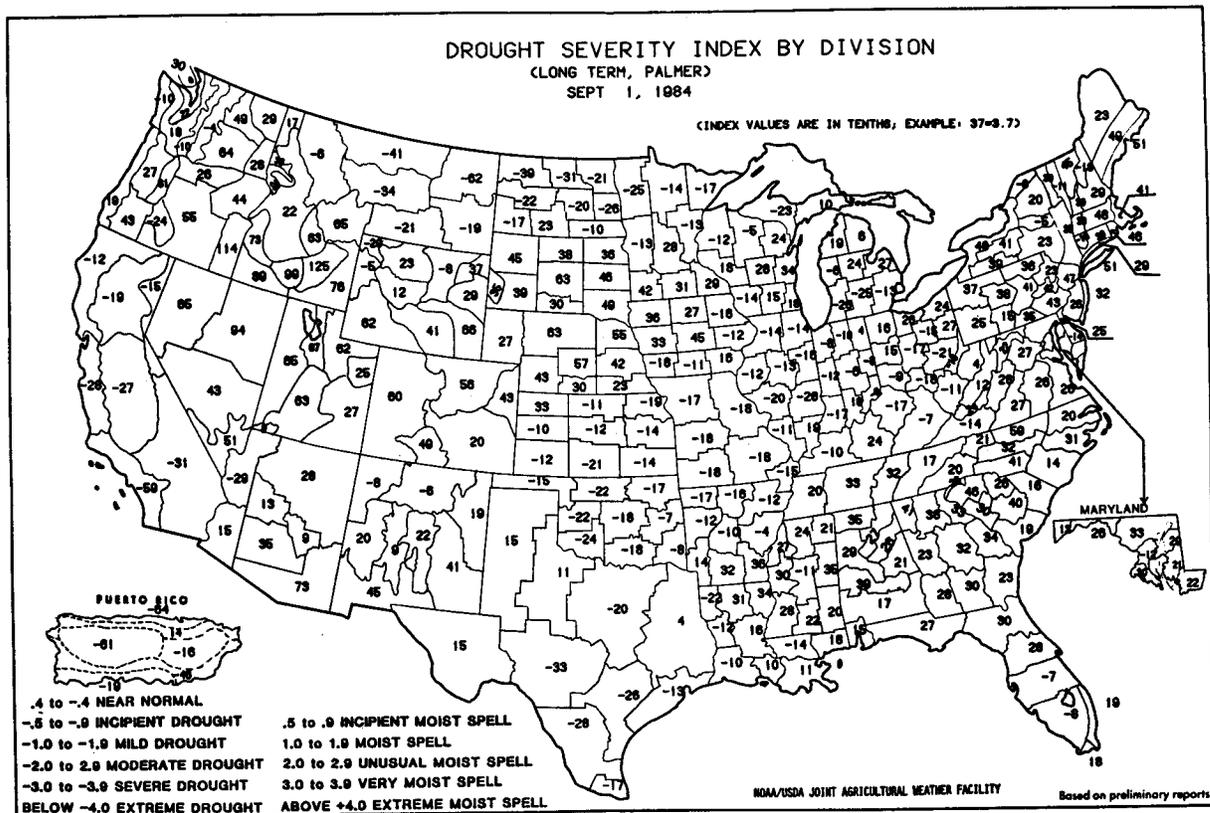
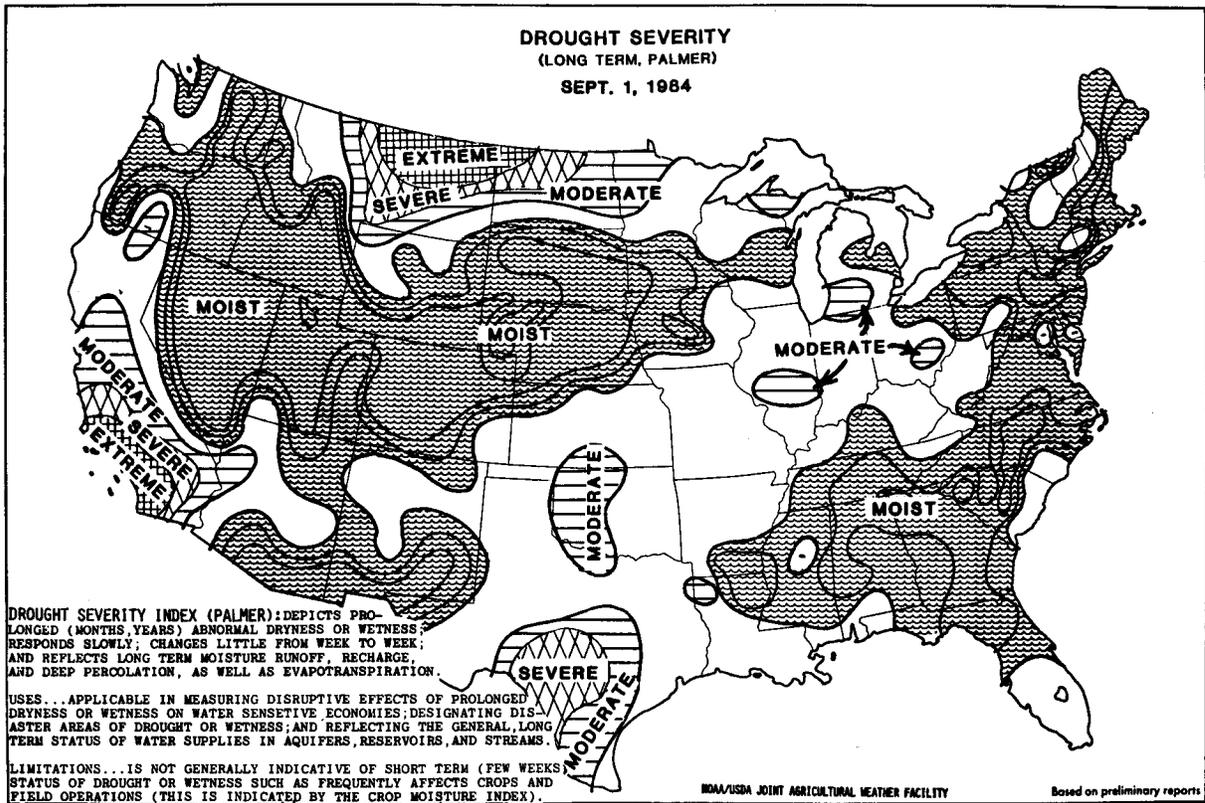
MONDAY...Showers and thunderstorms were light but widespread from the central Great Lakes into Oklahoma, along the central gulf coast, and through Alabama. Hot weather spread through all of the Plains and eastward to the Mississippi River. Temperatures reached above 100 degrees through much of the central and southern Plains.

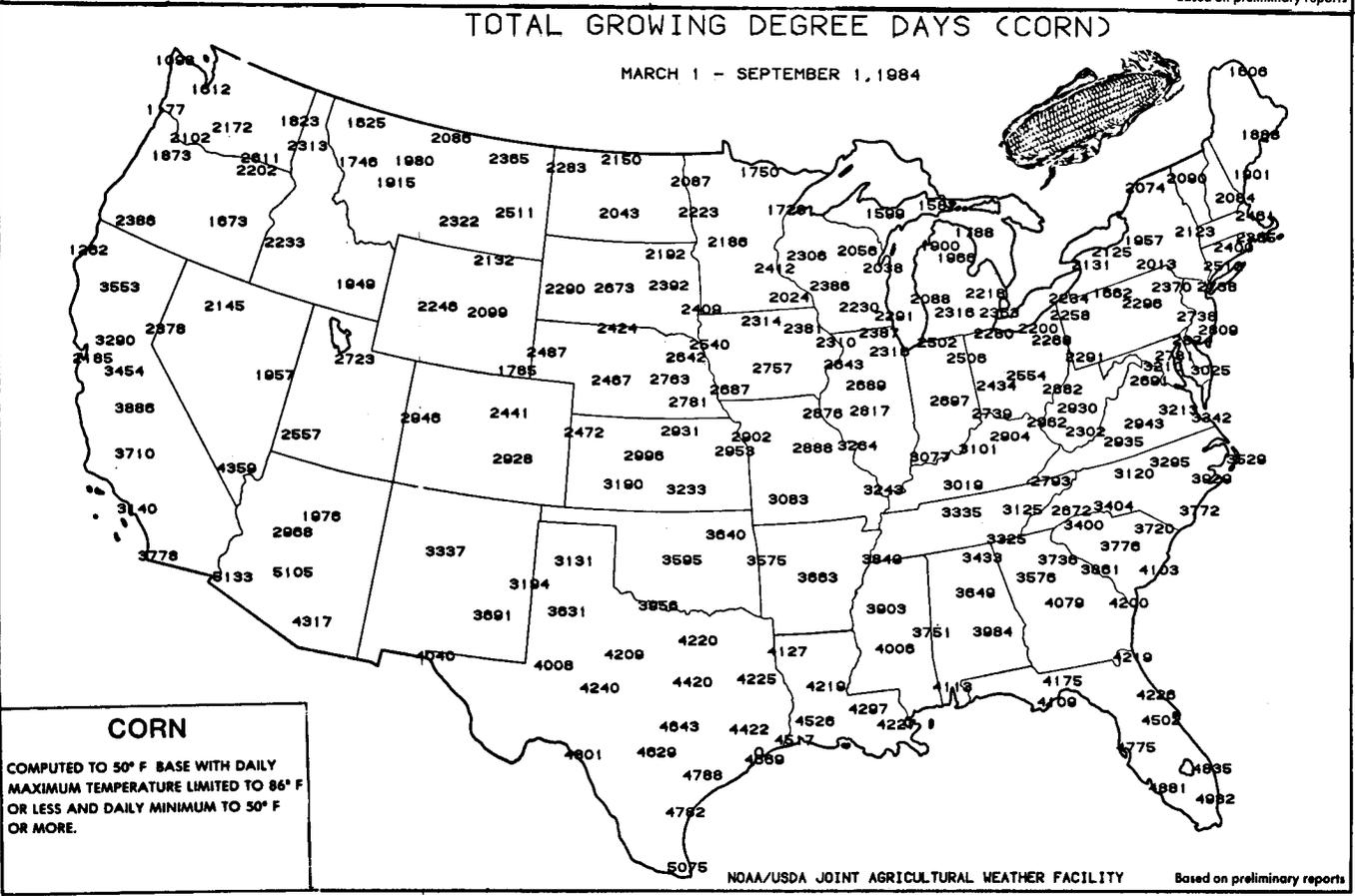
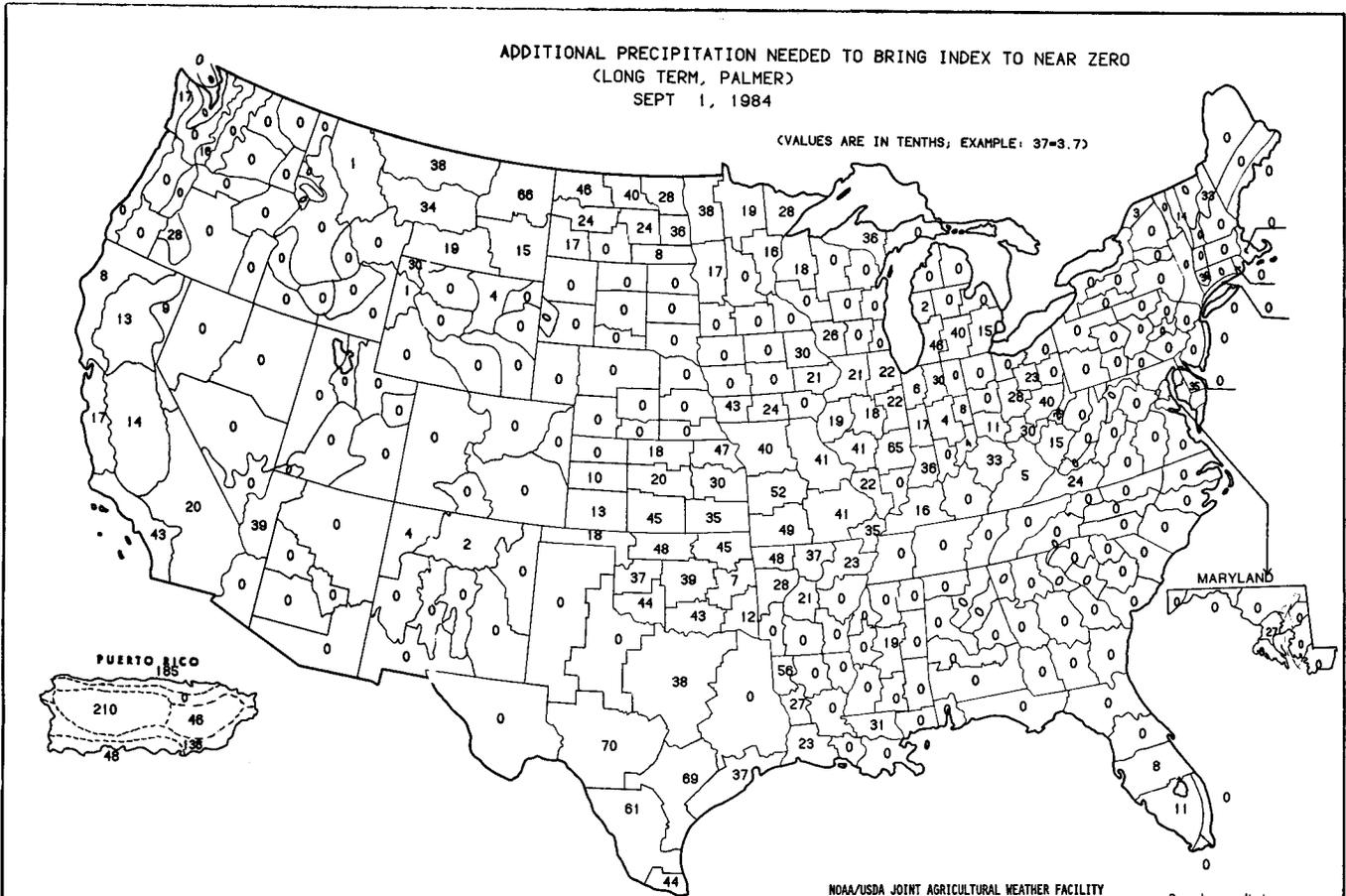
TUESDAY...Showers were generally light but widespread from the eastern Great Lakes to the lower Mississippi Valley. A few showers pushed over the Appalachians, into the Piedmont of Virginia and the

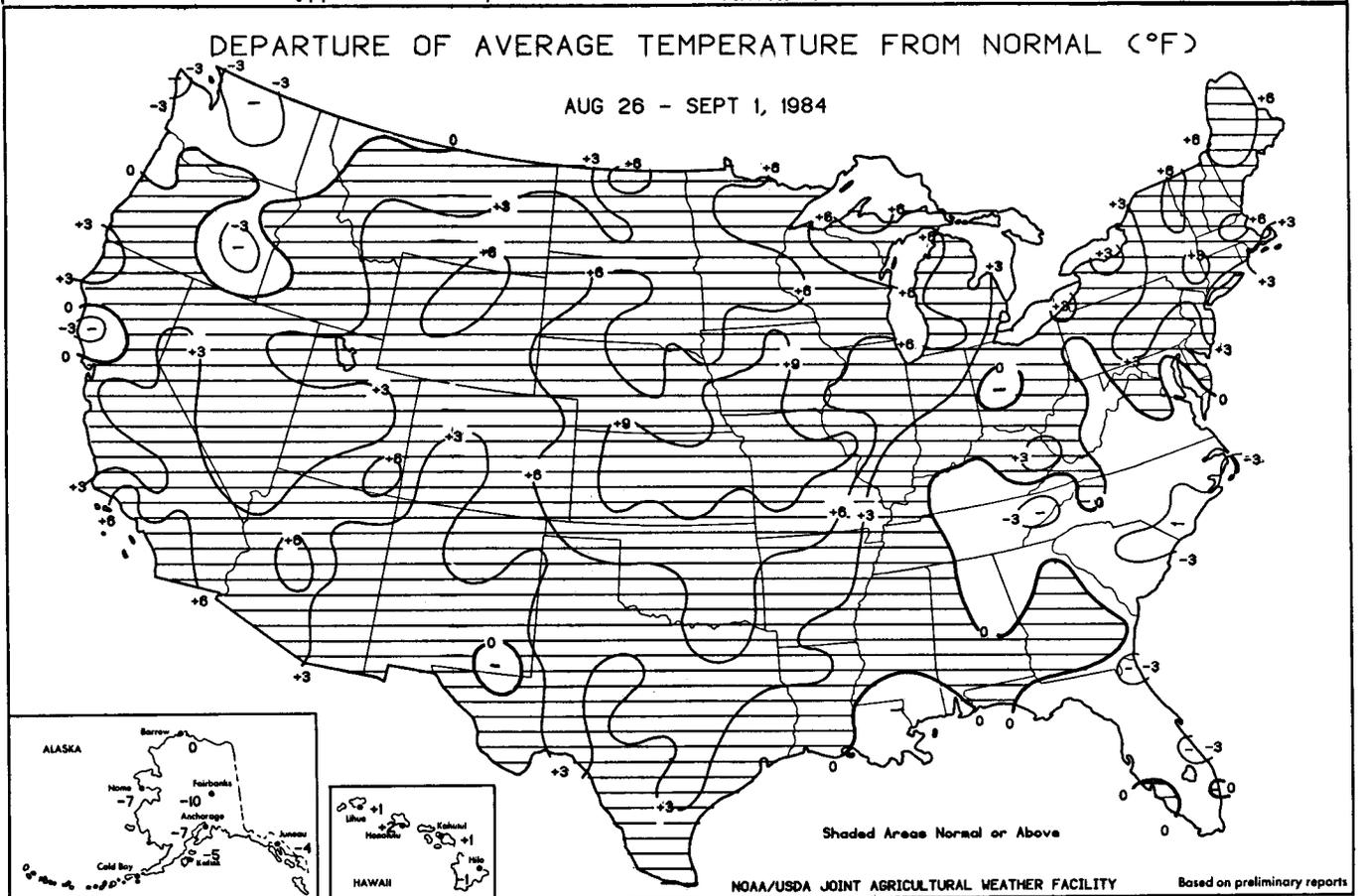
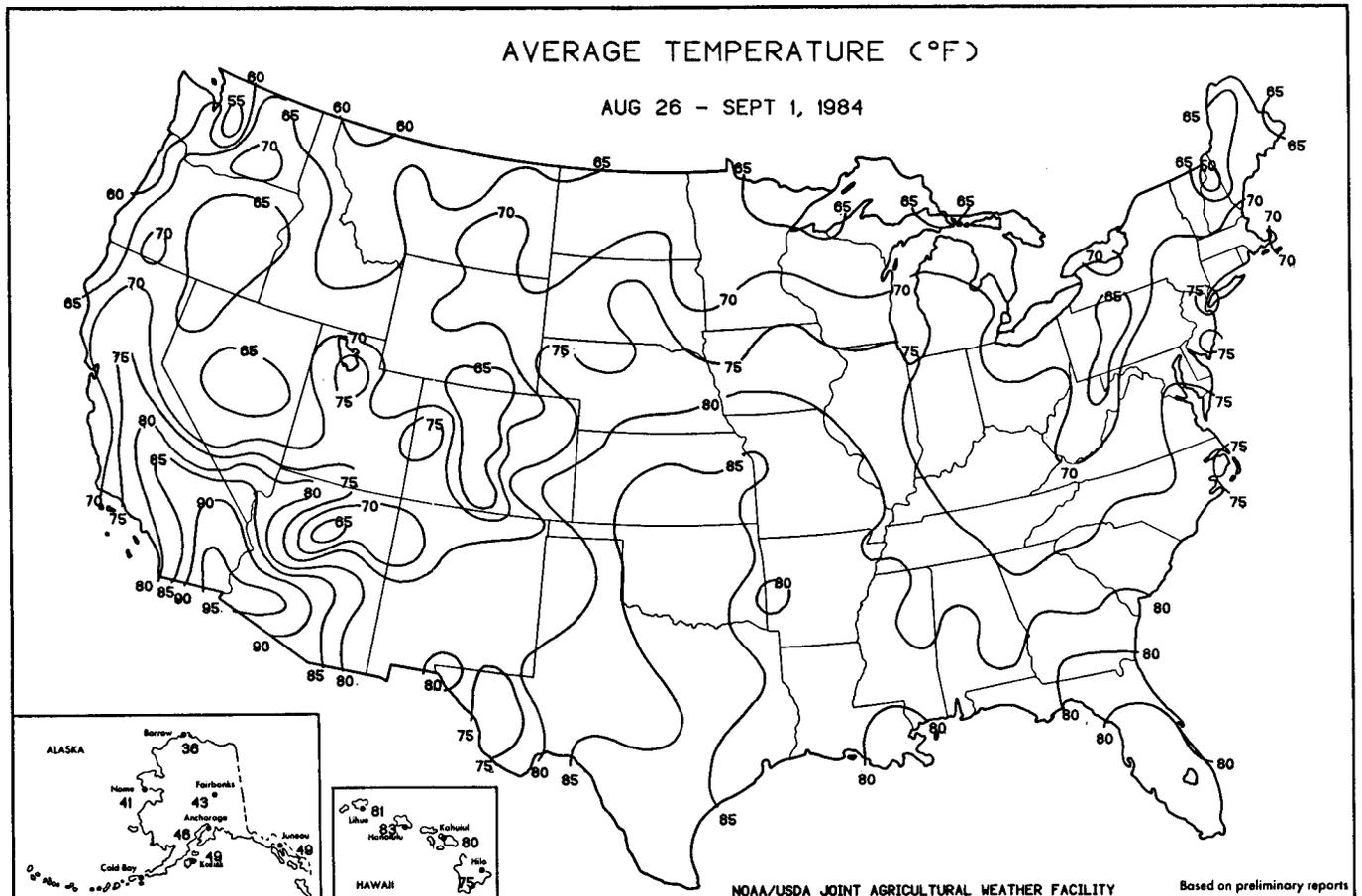
Contents	Page
National Weather Summary	1
Precipitation & Pan Evaporation	2
Crop Moisture & Crop Moisture Index	3
Drought Severity & Drought Severity Index	4
Precipitation Needed to End Drought & Growing Degree Days	5
Average Temperature & Departure	6
Weather Data for Selected Cities	7
Cooling Degree Days Table	10
Tropical Weather Satellite Photos	11
August Weather & Crop Summary	12
August Precipitation & Percent of Normal	13
August Temperature & Departure	14
August Weather Data for Selected Cities	15
National Agricultural Summary	16
Crop Progress Tables	17
State Summaries of Weather & Agriculture	18
International Weather & Crop Summary	25
Subscription & Mailing Permit Information	28











Weather Data for the Week Ending SEPTEMBER 1, 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	
AL BIRMINGHAM	88	66	93	59	77	-1	.2	-.7	.1	0	0	33.8	86	92	54	2	0	2	0	
MOBILE	88	71	91	69	79	-2	2.2	-.6	1.9	0	0	43.1	92	93	56	2	0	4	1	
MONTGOMERY	89	69	92	67	79	-1	1.4	-.5	.9	0	0	39.7	114	96	58	2	0	3	1	
AK ANCHORAGE	56	37	60	31	46	-7	0	-.5	0	0	0	9.7	109	75	36	0	2	0	0	
BARROW	42	30	52	26	36	0	T	-.2	T	0	0	3.3	103	95	67	0	6	1	0	
FAIRBANKS	51	36	58	31	43	-10	.1	-.3	.1	0	0	7.7	107	85	48	0	2	1	0	
JUNEAU	54	44	58	38	49	-4	1.4	-.1	.5	.2	84	34.9	118	99	63	0	0	6	0	
KODIAK	55	43	60	40	49	-5	.1	-.3	.1	0	0	46.4	105	75	50	0	0	1	0	
NOME	48	35	51	26	41	-7	.2	-.5	.2	.2	233	11.0	112	86	60	0	3	2	0	
AZ PHOENIX	106	81	112	74	94	6	1.0	-.8	1.0	1.0	0	8.6	190	57	26	7	0	1	0	
FRESNCO	88	60	94	55	74	5	.1	-.5	T	43	9.5	71	80	31	2	2	2	1	0	
TUCSON	97	73	105	69	85	2	T	-.4	T	T	9.2	123	67	29	7	0	1	0	0	
LUMA	107	84	117	82	96	5	0	-.1	0	0	0	4.0	252	72	31	7	0	0	1	
AR PORT SMITH	98	69	103	61	84	5	.9	-.2	.9	0	0	21.6	79	91	31	7	0	2	0	
LITTLE ROCK	91	70	99	66	81	2	.3	-.5	.2	0	0	27.7	87	92	56	4	0	3	0	
CA BAKERSFIELD	94	67	100	59	80	0	0	-.1	0	0	0	1.3	33	70	32	4	6	0	0	
EUREKA	66	55	68	52	61	4	.1	-.1	.1	0	0	16.8	74	95	75	0	0	1	0	
FRESNO	97	66	103	60	82	5	0	0	0	0	0	2.1	30	63	26	6	0	0	0	
LOS ANGELES	81	70	84	67	75	5	0	-.1	0	0	0	2.0	23	82	51	0	0	0	0	
RED BLUFF	95	63	101	54	79	1	.5	-.4	-.4	0	0	4.8	36	76	27	5	0	2	0	
SACRAMENTO	90	61	98	57	76	2	T	0	T	0	0	3.0	28	81	29	4	0	1	0	
SAN DIEGO	82	74	86	72	78	6	0	0	0	0	0	1.5	23	87	65	0	0	0	0	
SAN FRANCISCO	75	56	90	53	66	2	.1	-.1	.1	0	0	4.1	33	88	50	1	0	1	0	
CO DENVER	86	58	90	52	72	4	.1	-.2	T	80	11.9	100	67	24	1	0	3	0	0	
GRAND JUNCTION	89	62	92	60	76	3	T	-.2	T	T	7.8	147	67	24	3	0	0	0	0	
PUEBLO	92	61	95	58	76	5	T	-.3	T	T	14.0	164	78	23	6	0	0	0	0	
CT BRIDGEPORT	82	66	87	57	74	3	.2	-.6	.2	0	0	33.5	121	87	50	0	0	1	0	
HARTFORD	83	61	86	51	72	4	T	-.1	T	0	0	33.8	117	88	40	0	0	0	0	
DC WASHINGTON	85	67	89	61	76	0	0	-.9	0	0	0	27.5	101	84	49	0	0	0	0	
FL APALACHICOLA	89	71	93	68	80	-1	1.4	-.6	1.1	0	0	50.3	135	97	59	2	0	2	1	
DAYTONA BEACH	88	70	94	67	79	-2	0	-.6	0	0	0	31.1	95	92	53	2	0	0	0	
JACKSONVILLE	89	67	92	63	78	-3	0	-.8	0	0	0	31.7	83	96	49	3	0	0	0	
KEY WEST	86	80	89	76	83	-1	1.2	-.1	1.1	T	0	29.5	125	76	62	0	0	3	1	
MIAMI	89	73	91	71	81	-1	.9	-.9	.6	.3	108	42.9	112	86	52	1	0	5	0	
ORLANDO	90	71	93	68	80	-2	.3	-.1	.3	T	0	35.2	98	99	46	3	0	1	0	
TALLAHASSEE	91	69	95	67	80	-1	.8	-.8	.8	0	0	48.7	102	97	50	5	0	1	1	
TAMPA	90	72	92	68	81	-1	T	-.7	T	0	0	27.0	78	89	49	4	0	1	0	
WEST PALM BEACH	88	73	90	71	80	-2	1.4	-.3	1.2	0	0	44.9	120	92	59	1	0	5	1	
GA ATLANTA	84	68	88	67	76	-1	1.2	-.5	1.2	0	0	48.1	136	89	52	0	0	1	1	
AUGUSTA	88	66	94	64	77	-1	0	-.9	0	0	0	41.1	126	84	45	4	0	0	0	
MACON	91	69	96	65	80	0	.1	-.8	.1	0	0	39.5	118	97	47	5	0	0	0	
SAVANNAH	90	69	95	65	80	0	0	-.4	0	0	0	38.7	102	91	45	3	0	0	0	
HI HILO	81	69	83	67	75	-1	1.2	-.8	.4	.3	115	63.1	75	89	66	0	0	5	0	
HONOLULU	92	74	93	70	83	2	T	-.1	T	0	0	5.1	35	81	44	6	0	0	0	
KAHULUI	90	71	93	66	80	1	0	-.1	0	0	0	6.8	50	72	49	5	0	0	0	
LIHUE	86	76	87	72	81	1	0	-.4	0	0	0	10.5	40	75	58	0	0	0	0	
ID BOISE	83	56	92	47	69	1	.5	-.4	.5	0	0	8.7	112	76	28	3	0	2	1	
LEWISTON	80	55	97	48	68	-1	.8	-.6	.5	0	0	8.0	93	63	25	2	0	2	0	
FOCATELLO	83	53	94	47	68	3	.2	0	.2	0	0	10.3	139	72	25	1	0	1	0	
IL CHICAGO	89	60	96	51	75	5	.2	-.7	.1	.67	21.2	89	87	37	4	0	3	0	0	
MOLINE	91	62	98	50	77	7	.5	-.3	.5	0	0	24.1	89	82	37	4	0	1	1	
PEORIA	90	63	96	51	76	6	.1	-.7	.1	0	0	25.5	102	85	39	3	0	1	0	
QUINCY	94	66	103	55	80	9	.1	-.9	.1	0	0	25.1	94	72	34	5	0	1	0	
ROCKFORD	88	58	96	45	73	5	.3	-.5	.2	.133	19.8	76	94	43	3	0	3	0	0	
SPRINGFIELD	94	65	101	52	79	7	0	-.7	0	0	0	24.8	102	80	37	4	0	0	0	
IN EVANSVILLE	86	61	90	54	74	0	.1	-.5	.1	0	0	26.7	90	79	43	1	0	0	0	
FORT WA.NE	85	59	93	51	72	3	.3	-.4	.3	.3	344	19.5	79	94	46	1	0	2	0	
INDIANAPOLIS	85	60	89	51	73	2	.2	-.6	.1	T	10	25.1	90	99	52	0	0	0	0	
SOUTH BEND	86	63	93	55	75	6	.4	-.5	.2	.2	192	19.6	75	82	38	2	0	3	0	
IA DES MOINES	94	64	100	53	79	9	T	-.9	T	0	0	29.2	125	85	38	6	0	0	0	
SIOUX CITY	88	61	98	53	74	4	.1	-.6	.1	T	11	25.5	130	89	41	2	0	2	0	
WATERLOO	91	58	98	44	75	8	.2	-.7	.2	.2	125	24.2	98	88	33	4	0	2	0	
KS CONCORDIA	98	66	105	60	82	9	1.2	.4	1.2	1.2	0	21.3	103	81	28	6	0	0	1	
DODGE CITY	102	70	106	67	86	11	T	-.5	T	T	0	13.2	80	72	21	7	0	1	0	
GOODLAND	91	60	97	53	76	6	.1	-.4	.1	.1	100	16.8	129	75	24	5	0	1	0	
TOPEKA	100	67	110	59	83	9	T	-.8	T	0	0	26.7	110	86	26	7	0	0	0	
WICHITA	102	72	110	68	87	11	T	-.7	T	0	0	17.6	86	72	25	7	0	0	0	
KY BOWLING GREEN	84	62	89	55	73	-2	1.9	1.2	1.8	0	0	39.3	113	96	52	0	0	3	1	
LEXINGTON	86	61	90	54	74	1	T	-.8	T	0	0	27.0	81	92	44	1	0	1	0	
LOUISVILLE	86	64	89	58	75	0	.2	-.5	.2	0	0	31.5	102	91	49	5	0	2	0	
LA ALEXANDRIA	90	71	92	69	81	-1	.6	0	.6	T	0	43.4	112	92	57	3	0	2	0	
BATON ROUGE	89	72	92	68	80	0	T	-.9	T	0	0	27.9	70	92	55	3	0	0	0	
LAKE CHARLES	91	71	92	69	81	0	.5	-.7	.5	.5	256	36.5	102	100	59	5	0	3	0	
NEW ORLEANS	87	70	89	68	79	-2	1.8	-.4	.9	0	0	40.1	95	96	64	0	0	3	2	

+100 = NORMAL & ACTUAL NEAR THE SAME

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending SEPTEMBER 1, 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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	97	71	100	63	84	3	T	-7	T	0	0	26.4	86	93	36	7	0	0	0	
ME CARIBOU	77	55	81	45	66	5	.1	-8	T	0	0	17	27.0	114	55	0	0	3	0	
PORTLAND	78	57	81	50	67	4	.1	-6	T	0	0	0	36.9	135	55	0	0	1	0	
MD BALTIMORE	84	61	88	56	72	-1	0	-1.0	T	0	0	0	27.9	96	78	0	0	0	0	
SALISBURY	85	63	90	56	74	-1	0	-1.2	T	0	0	0	35.3	113	96	0	0	0	0	
MA BOSTON	84	66	87	58	75	5	5	-8	T	0	0	0	39.2	137	89	0	0	0	0	
CHATHAM	77	62	78	58	69	4	.9	-1	T	0	0	0	37.7	125	11	0	0	1	1	
MI ALPENA	78	54	88	46	66	5	3.2	2.4	T	0	0	0	20.3	102	96	0	0	4	3	
DETROIT	82	58	88	47	70	2	.2	-4	T	0	0	0	16.5	75	80	0	0	3	3	
FLINT	81	59	87	50	70	4	1.4	-7	T	0	0	0	18.4	89	92	0	0	4	2	
GRAND RAPIDS	82	62	90	54	72	5	.6	-2	T	0	0	0	16.0	69	95	0	0	3	3	
HOUGHTON LAKE	77	57	89	45	67	5	.9	-2	T	0	0	0	18.6	98	94	0	0	3	3	
LANSING	82	60	91	50	71	5	.3	-4	T	0	0	0	17.2	83	90	0	0	3	1	
MARQUETTE	77	54	87	42	66	6	.6	-2	T	0	0	0	21.3	86	94	0	0	5	5	
MUSKOGON	80	64	84	54	72	6	1.3	-6	T	0	0	0	18.5	90	89	0	0	3	1	
SAULT STE. MARIE	74	52	83	39	63	3	.8	-1	T	0	0	0	17.5	83	99	0	0	4	1	
MN ALEXANDRIA	78	58	93	50	68	4	.9	-2	T	0	0	0	21.0	112	84	0	0	2	1	
DULUTH	76	57	92	46	67	7	.6	-4	T	0	0	0	15.4	72	88	0	0	2	0	
INT'L FALLS	76	53	93	42	64	5	.1	-6	T	0	0	0	14.0	80	87	0	0	1	0	
MINNEAPOLIS	81	61	91	50	71	4	.6	-1	T	0	0	0	26.0	129	79	0	0	2	0	
ROCHESTER	84	57	95	45	71	6	.1	-8	T	0	0	0	18.5	88	91	0	0	1	0	
MS GREENWOOD	90	70	93	66	80	1	.1	-6	T	0	0	0	31.5	85	94	0	0	0	0	
JACKSON	92	71	95	68	81	1	.1	-8	T	0	0	0	32.4	87	94	0	0	1	0	
MERIDIAN	92	70	95	69	81	1	.3	-5	T	0	0	0	34.9	91	94	0	0	3	0	
MO CAPE GIRARDEAU	93	66	98	56	80	—	T	-8	T	0	0	0	21.0	67	95	0	0	1	0	
COLUMBIA	98	66	110	57	82	9	.9	-7	T	0	0	0	31.7	125	80	0	0	0	0	
KANSAS CITY	99	69	109	62	84	11	.0	-9	T	0	0	0	24.5	97	73	0	0	0	0	
SAINT LOUIS	97	71	107	61	84	10	.0	-6	T	0	0	0	25.4	104	77	0	0	0	0	
SPRINGFIELD	98	68	106	60	83	9	.5	-3	T	0	0	0	23.6	88	78	0	0	1	0	
MT BILLINGS	84	59	96	50	71	6	.2	-3	T	0	0	0	7.0	63	54	0	0	0	0	
GLASGOW	77	54	95	41	66	1	.2	-1	T	0	0	0	4.7	49	54	0	0	3	1	
GREAT FALLS	78	55	92	47	66	3	.7	-4	T	0	0	0	8.8	74	65	0	0	2	0	
HAVRE	77	50	94	43	64	0	.3	-1	T	0	0	0	4.5	51	68	0	0	2	1	
HELENA	78	51	89	47	65	3	.9	-6	T	0	0	0	6.7	76	74	0	0	2	0	
KALISPELL	73	48	87	37	60	0	.4	-1	T	0	0	0	9.0	81	71	0	0	2	1	
MILES CITY	83	58	98	44	71	3	.3	-3	T	0	0	0	6.8	62	49	0	0	1	0	
MISSOULA	76	52	91	47	64	2	.9	-6	T	0	0	0	10.0	106	79	0	0	4	1	
NE GRAND ISLAND	93	61	102	56	77	7	.2	-5	T	0	0	0	25.3	138	78	0	0	5	0	
LINCOLN	94	62	102	53	78	7	.8	0	T	0	0	0	718	28.5	136	0	0	1	1	
NORFOLK	92	61	100	54	77	7	.7	-6	T	0	0	0	26.0	136	87	0	0	1	0	
NORTH PLATTE	94	55	102	52	75	6	.6	-4	T	0	0	0	16.9	106	81	0	0	1	0	
OMAHA	93	67	100	60	80	10	1.9	1.0	T	0	0	0	26.8	118	76	0	0	1	1	
SCOTTSBLUFF	95	57	100	48	76	9	.9	-2	T	0	0	0	10.8	92	64	0	0	1	0	
VALENTINE	91	54	100	43	73	4	.4	-4	T	0	0	0	17.4	122	71	0	0	1	0	
NV ELY	81	45	87	34	63	0	.0	-1	T	0	0	0	7.9	123	77	0	0	0	0	
LAS VEGAS	99	75	108	67	87	2	.2	-1	T	0	0	0	3.8	129	50	0	0	0	0	
RENO	86	48	92	40	67	3	.3	-1	T	0	0	0	1.9	37	76	0	0	0	0	
WINNEMUCCA	87	48	95	33	67	2	.2	-1	T	0	0	0	8.4	156	60	0	0	1	0	
NH CONCORD	81	53	85	43	67	3	.3	-8	T	0	0	0	31.4	134	98	0	0	0	0	
NJ ATLANTIC CIT.	85	65	89	58	75	4	.0	-9	T	0	0	0	31.9	111	85	0	0	0	0	
NM ALBUQUERQUE	90	64	95	62	77	3	.2	-1	T	0	0	0	6.0	108	76	0	0	2	0	
CLOVIS	90	64	93	61	77	3	.1	-4	T	0	0	0	17.4	138	74	0	0	1	0	
ROSWELL	91	65	94	63	78	1	.1	-5	T	0	0	0	12.6	192	83	0	0	1	0	
NY ALBANY	82	60	85	52	71	4	.9	-1	T	0	0	0	28.4	119	98	0	0	2	1	
BINGHAMTON	78	59	83	53	69	4	.1	-7	T	0	0	0	29.3	119	89	0	0	1	0	
BUFFALO	78	58	82	51	68	2	.8	0	T	0	0	0	26.4	109	92	0	0	3	1	
NEW YORK	83	68	86	65	76	3	.3	-7	T	0	0	0	39.2	136	82	0	0	1	0	
ROCHESTER	81	61	85	54	71	4	.2	-5	T	0	0	0	24.8	118	86	0	0	2	0	
SYRACUSE	76	57	81	49	67	0	.9	0	T	0	0	0	25.3	96	100	0	0	4	0	
NC ASHEVILLE	80	58	84	51	69	-1	.1	-1.0	T	0	0	0	38.9	115	100	0	0	2	0	
CHARLOTTE	84	66	88	62	75	-1	.1	-9	T	0	0	0	38.0	123	94	0	0	0	0	
GREENSBORO	83	60	86	54	72	-3	1.5	.6	T	0	0	0	44.3	148	94	0	0	3	1	
HATTERAS	83	66	85	59	74	-3	.3	-1.4	T	0	0	0	34.1	95	89	0	0	0	0	
NEW BERN	87	64	90	59	76	-2	.4	-1.0	T	0	0	0	41.9	111	89	0	0	2	0	
RALEIGH	84	61	87	55	73	-3	.2	-7	T	0	0	0	39.2	131	92	0	0	2	0	
WILMINGTON	86	63	91	59	75	-4	.6	-9	T	0	0	0	35.8	93	98	0	0	2	1	
ND BISMARCK	81	49	96	40	65	1	.1	-3	T	0	0	0	11.6	95	66	0	0	4	0	
FARGO	83	56	100	47	70	5	.3	-2	T	0	0	0	11.6	77	74	0	0	1	0	
GRAND FORKS	81	53	98	42	67	4	.4	-6	T	0	0	0	16.0	116	78	0	0	0	0	
WILLISTON	77	53	97	46	65	1	.1	-2	T	0	0	0	7.3	67	58	0	0	2	0	
OH AKRON-CANTON	78	57	83	51	68	-1	1.8	1.1	T	0	0	0	24.0	93	92	0	0	2	1	
CINCINNATI	85	61	89	53	73	0	.1	-6	T	0	0	0	24.3	85	86	0	0	2	0	
CLEVELAND	79	58	85	50	68	0	.4	-6	T	0	0	0	29.2	118	88	0	0	2	1	
COLUMBUS	82	58	87	50	70	0	.5	-3	T	0	0	0	21.7	79	86	0	0	2	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending SEPTEMBER 1, 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	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
DAYTON	82	59	88	50	70	0	.1	-.6	0	T	22	22.0	87	86	45	0	0	2	0	
TOLEDO	81	56	89	46	69	1	.9	-.7	.7	T	70	21.5	96	95	52	0	0	5	1	
YOUNGSTOWN	79	58	85	49	69	2	1.5	-.7	.7	T	0	26.0	100	92	56	0	0	3	2	
OK OKLAHOMA CITY	99	71	106	69	85	2	2.1	1.4	1.4	T	0	15.8	71	71	31	0	0	3	1	
TULSA	99	73	107	68	86	7	.3	-.6	.2	T	0	27.5	102	81	32	0	0	2	0	
OR ASTORIA	69	48	75	42	58	-2	-.4	-.1	.2	T	0	35.6	91	82	57	0	0	3	0	
BURNS	77	43	87	35	60	-4	1.1	-.9	1.0	T	0	7.3	160	—	—	0	0	2	1	
MEDFORD	88	55	97	50	71	2	-.4	-.3	.4	T	0	7.6	68	89	32	4	1	2	0	
PENDLETON	81	56	95	49	69	0	-.4	-.3	.4	T	0	8.5	112	64	25	1	1	2	0	
PORTLAND	78	57	91	50	68	2	-.1	-.2	.1	T	250	19.8	82	82	35	1	0	0	0	
SALEM	78	51	94	46	64	0	T	-.3	T	T	1	23.3	103	94	43	1	0	2	1	
PA ALLENTOWN	81	62	85	55	72	2	-.9	-.2	.8	T	0	42.2	141	92	54	0	0	3	0	
ERIE	80	60	86	53	70	4	-.8	-.1	.4	T	0	23.1	91	85	51	0	0	2	1	
HARRISBURG	83	64	86	60	74	2	1.1	-.3	1.1	T	0	34.5	131	—	—	0	0	0	0	
PHILADELPHIA	82	64	85	59	73	0	0	-.9	0	T	0	35.4	123	84	48	0	0	0	0	
PITTSBURGH	79	58	83	50	68	0	.6	-.1	.6	T	0	24.9	95	83	46	0	0	1	0	
SCRANTON	81	61	86	55	71	0	-.4	-.5	.4	T	0	30.1	127	90	51	0	0	1	0	
RI PROVIDENCE	81	64	83	53	72	4	1	-.9	-.4	T	0	37.5	127	80	50	0	0	0	0	
SC CHARLESTON	88	68	91	64	78	-1	T	-.4	T	T	0	37.3	96	89	47	3	0	0	0	
COLUMBIA	87	66	93	64	76	-3	.1	-.1	.1	T	0	40.5	110	98	55	0	0	1	0	
FLORENCE	87	63	91	59	75	-3	T	-.1	T	T	0	36.3	111	97	49	0	0	0	0	
GREENVILLE	83	66	87	63	74	-1	.3	-.7	.1	T	0	49.9	139	90	60	0	0	3	0	
SD ABERDEEN	85	54	99	43	69	3	-.9	-.5	-.9	T	0	17.1	119	91	34	0	0	1	1	
HURON	88	57	100	45	72	5	-.9	-.4	-.9	T	20	24.7	167	84	31	3	0	0	0	
RAPID CITY	89	55	97	44	72	5	-.5	-.3	-.5	T	0	13.0	96	57	17	4	0	1	0	
SIOUX FALLS	87	58	100	47	73	5	-.5	-.7	-.5	T	27	22.8	125	85	37	0	0	0	0	
TN CHATTANOOGA	84	65	89	58	75	-2	.2	-.7	.1	T	0	35.6	98	93	56	0	0	2	1	
KNOXVILLE	83	61	88	53	72	-3	T	-.6	T	T	0	39.1	117	99	57	0	0	0	0	
MEMPHIS	90	72	94	66	81	2	1.1	-.8	1.1	T	0	37.3	101	94	60	4	1	2	1	
NASHVILLE	86	64	90	58	75	-1	1.3	-.4	1.0	T	0	41.0	120	90	48	1	0	0	1	
TX ABILENE	94	73	101	66	84	3	-.4	-.3	.3	T	0	8.5	53	65	30	6	7	2	0	
AMARILLO	93	64	96	59	78	4	T	-.6	-.3	T	0	13.0	86	83	29	7	7	0	0	
AUSTIN	98	74	100	69	86	3	-.4	-.3	-.4	T	20	10.1	49	81	34	7	7	2	5	
BEAUMONT	90	74	92	71	82	0	.8	-.6	-.4	T	181	32.8	95	98	61	5	7	0	0	
BROWNSVILLE	95	75	97	73	85	2	-.5	-.5	-.5	T	0	17.3	120	92	45	7	7	1	0	
CORPUS CHRISTI	94	74	97	72	84	0	0	-.1	0	T	0	10.0	55	72	39	0	0	0	0	
DEL RIO	96	77	99	75	87	3	0	-.5	0	T	0	6.2	56	68	30	7	7	0	0	
EL PASO	94	69	99	63	82	3	T	-.3	T	T	0	10.7	213	77	32	7	7	0	0	
FORT WORTH	99	76	103	70	87	4	T	-.6	T	T	0	17.9	88	70	28	7	7	0	0	
GALVESTON	87	78	89	72	83	0	.8	-.4	-.5	T	100	16.5	65	79	63	0	0	4	0	
HOUSTON	93	73	96	71	83	2	.2	-.8	-.1	T	60	23.4	79	82	44	7	7	0	0	
LUBBOCK	93	68	96	61	80	5	T	-.5	0	T	0	9.7	74	72	33	7	7	0	0	
MIDLAND	96	68	98	65	82	3	0	-.4	0	T	0	9.4	101	68	24	7	7	0	0	
SAN ANGELO	96	71	99	67	84	3	T	-.6	0	T	0	7.8	66	76	31	7	7	0	0	
SAN ANTONIO	95	74	97	70	85	2	T	-.8	0	T	0	12.5	66	82	35	7	7	0	0	
VICTORIA	95	75	96	73	85	2	.1	-.1	-.1	T	0	17.4	75	95	48	7	7	0	0	
WACO	100	76	103	69	88	4	.1	-.1	-.1	T	0	14.4	70	78	34	7	7	0	0	
WICHITA FALLS	99	74	106	68	87	5	.3	-.3	.3	T	0	9.9	54	72	30	7	7	0	0	
UT BLANDING	87	58	91	54	73	5	-.2	0	.2	T	600	5.6	78	60	24	1	0	2	0	
CEDAR CITY	87	54	93	50	71	2	T	-.2	0	T	0	10.2	145	70	21	2	0	0	0	
SALT LAKE CITY	87	63	94	56	75	4	T	-.2	0	T	0	13.8	129	66	24	4	0	0	0	
VT BURLINGTON	80	60	84	49	70	6	.6	-.2	.6	T	0	25.3	112	87	46	0	0	1	0	
VA NORFOLK	83	67	89	61	75	-1	T	-.1	T	T	0	37.4	118	83	47	0	0	0	0	
RICHMOND	89	61	94	55	75	0	T	-.1	T	T	0	37.2	123	92	44	2	0	1	0	
ROANOKE	83	59	86	50	71	-2	2.3	1.5	2.0	T	0	35.0	128	97	47	0	0	2	1	
WA COLVILLE	76	46	88	39	61	-2	T	-.3	0	T	0	17.2	157	65	34	0	0	1	0	
QUILLAYUTE	67	46	72	40	57	-2	1.1	-.3	.4	T	100	66.3	113	99	55	0	0	4	0	
SEATTLE-TACOMA	71	53	84	49	62	-1	.1	-.3	-.1	T	0	20.7	97	83	44	0	0	0	0	
SPOKANE	77	51	92	41	64	-1	T	-.2	0	T	0	10.6	102	69	26	1	1	0	0	
YAKIMA	82	48	96	40	65	0	0	-.1	0	T	0	5.3	107	72	26	1	0	0	0	
WV BECKLEY	78	57	80	48	67	-1	.6	-.2	.4	T	0	29.9	98	98	55	0	0	2	0	
CHARLESTON	85	61	87	53	73	1	.2	-.6	.2	T	0	26.2	85	91	44	0	0	2	0	
HUNTINGTON	85	62	87	54	74	1	.3	-.5	.3	T	0	25.1	85	83	43	0	0	2	0	
PARKERSBURG	83	62	87	55	72	1	.2	-.5	.2	T	0	21.4	69	93	50	0	0	0	0	
WI GREEN BAY	79	58	88	48	69	5	2.8	2.0	1.6	T	1.6	23.2	117	95	52	3	0	5	2	
LA CROSSE	87	61	96	49	74	7	.1	-.8	.1	T	17	20.7	92	90	41	2	0	3	1	
MADISON	86	59	93	45	73	7	.4	-.4	.4	T	0	21.8	97	91	41	2	0	4	1	
MILWAUKEE	84	63	91	56	74	7	1.8	1.1	.9	T	470	24.1	110	90	46	2	0	4	1	
WAUSAU	79	58	94	48	69	5	1.5	-.6	.9	T	0	25.9	114	95	47	1	0	4	0	
WY CASPER	87	51	92	40	69	5	0	-.1	0	T	0	10.7	123	58	14	3	0	2	0	
CHEYENNE	81	52	85	43	66	3	.2	-.1	.1	T	275	15.0	140	77	26	0	0	2	0	
LANDER	86	56	89	46	71	6	T	-.1	0	T	0	10.9	111	52	19	0	0	0	0	
SHERIDAN	86	56	97	43	71	7	T	-.3	0	T	0	10.9	97	53	16	2	0	1	0	
PR SAN JUAN	88	77	92	73	83	1	2.7	1.3	2.4	T	20	26.0	80	85	60	2	0	5	1	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

(continued from p. 16)
 Plains and into the Corn Belt because of hot, dry conditions. Supplemental feeding became more widespread and stock water diminished. Producers actively marketed herds as conditions worsened in some areas. Conditions rated poor to fair in the Corn Belt and southern Plains, and fair to good in most other regions.

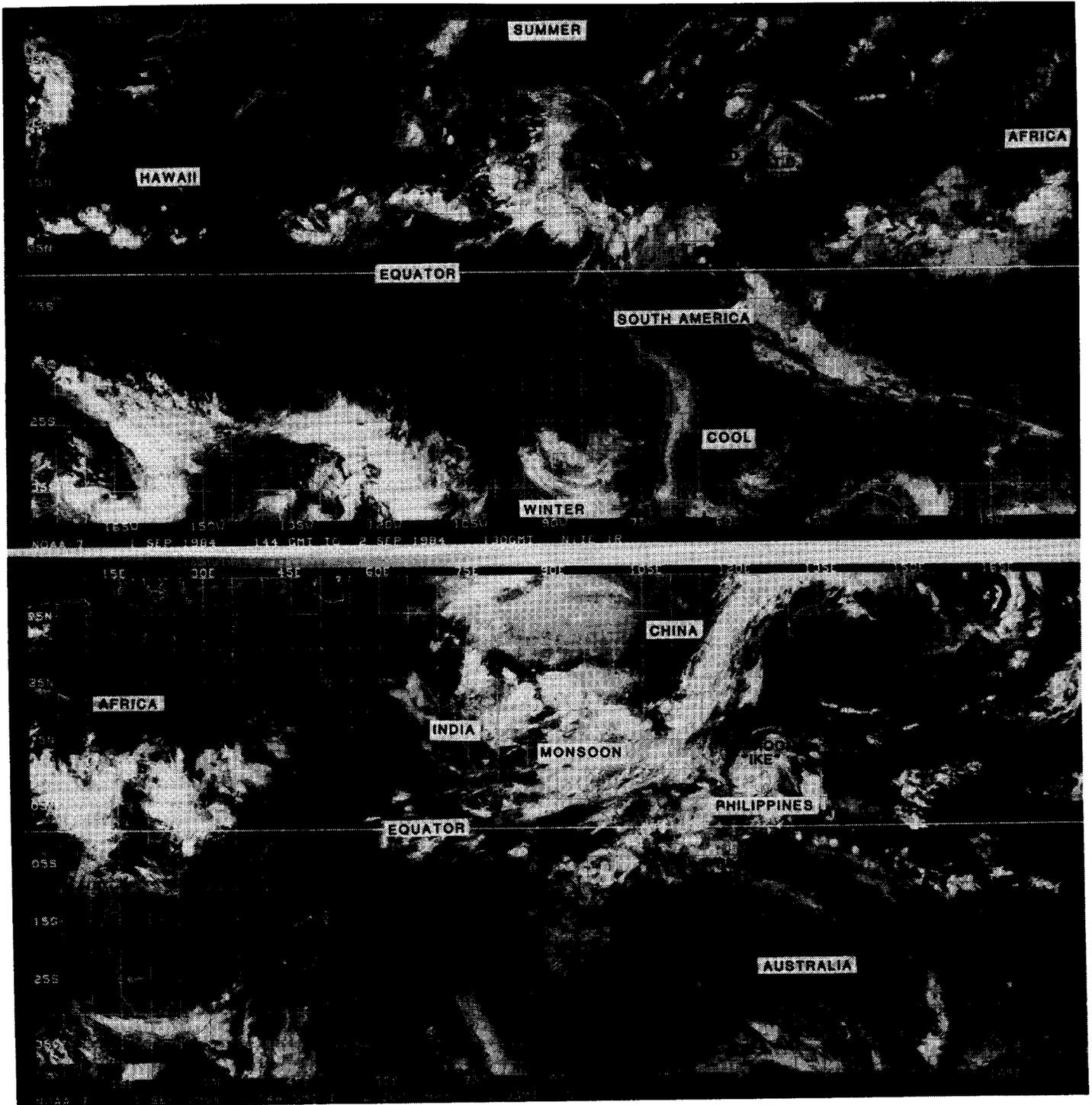
COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

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

Table with columns: STATE CITY, CALL WEEK, 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.

TROPICAL WEATHER

Sept. 1 -2



August Weather and Crop Summary

WEATHER SUMMARY

HIGHLIGHTS: 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.

FIRST FOUR DAYS...Rain was heavy over most of the Southeast, and moderate in parts of the mid-Atlantic States. In the West, moderate showers fell in the central High Plains and along a line from the border of the Dakotas to the central Great Lakes. The Corn Belt had little or no rain. Most of the rain fell in the eastern end. Average temperatures were cooler than normal through the southern part of the Nation, and warmer than normal along the northern tier of States, especially the northern Plains.

FIRST WEEK...Showers and thunderstorms produced beneficial rain in eastern New Mexico, western Texas, eastern Oklahoma, and northeastward to the upper Ohio Valley remained dry. Little or no rain fell in the drought area of Montana, but some helpful rain fell in North Dakota. Much of the western Corn Belt had little rain, but some of the eastern part benefited from moderate showers. Heavy downpours on the eastern side of the Appalachians caused local flooding. Average temperatures were cooler than normal from New Mexico and Colorado, to Alabama and Tennessee. Temperatures were much warmer than normal throughout most of the week in California, but cooled a little as the week ended. The northern Plains were much warmer than normal.

SECOND WEEK...Slow-moving, strong thunderstorms caused local flooding along the eastern slopes of the Appalachians before moving off the east coast at midweek. Scattered showers benefited crops from eastern Iowa and western Illinois, and through the Ohio Valley. Beneficial rains also fell in central Texas. Thunderstorms in the Southwest reached into southern California, causing flash floods from the California desert into Utah. Temperatures averaged much warmer than normal through the northern Plains, but were cooler than normal across most of the South.

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

FOURTH WEEK...Abnormally hot, dry weather blanketed most of the central and southwestern parts of the Nation. Temperatures averaged more than 6 degrees above normal across a large drought area from the central Plains into the southwestern two-thirds of the Corn Belt. The unusual heat also extended into

the central Rockies and southwestward into most of California and Arizona. Rains finally pushed into western Montana, smothering some of the widespread forest fires. Heavy thunderstorms also wetted parched fields in central Oklahoma.

Crop Development

Cool, wet weather was favorable for crop growth and development in the Delta States and Southeast. However, hot, dry conditions persisted through August across most of the Great Plains and through the Corn Belt. The unusual hot, dry weather advanced small grain maturity and promoted rapid harvesting. Row crops suffered from increased moisture stress in portions of the Corn Belt and Great Plains, receiving only limited precipitation this month. Dry conditions caused increased pasture and range deterioration from the Great Plains through the Corn Belt, and also contributed to range fires in Montana.

By the beginning of September, corn conditions declined to fair to good in the Corn Belt, as dry weather advanced crop maturity. Stands rated mostly good in the Delta States and Southeast, and fair to mostly good in the other regions. In the 17 major producing States, 90 percent of the corn was in or past the dough stage, 55 percent was in or past the dent stage, and nearly 10 percent was mature by September 2. Normally, about 88 percent is in or past the dough stage, 54 percent is in or past the dent stage, and 13 percent is mature. Progress was generally ahead of average in the western Corn Belt, and trailing in the eastern Corn Belt. Harvesting moved as far north as Missouri and Virginia as the month ended.

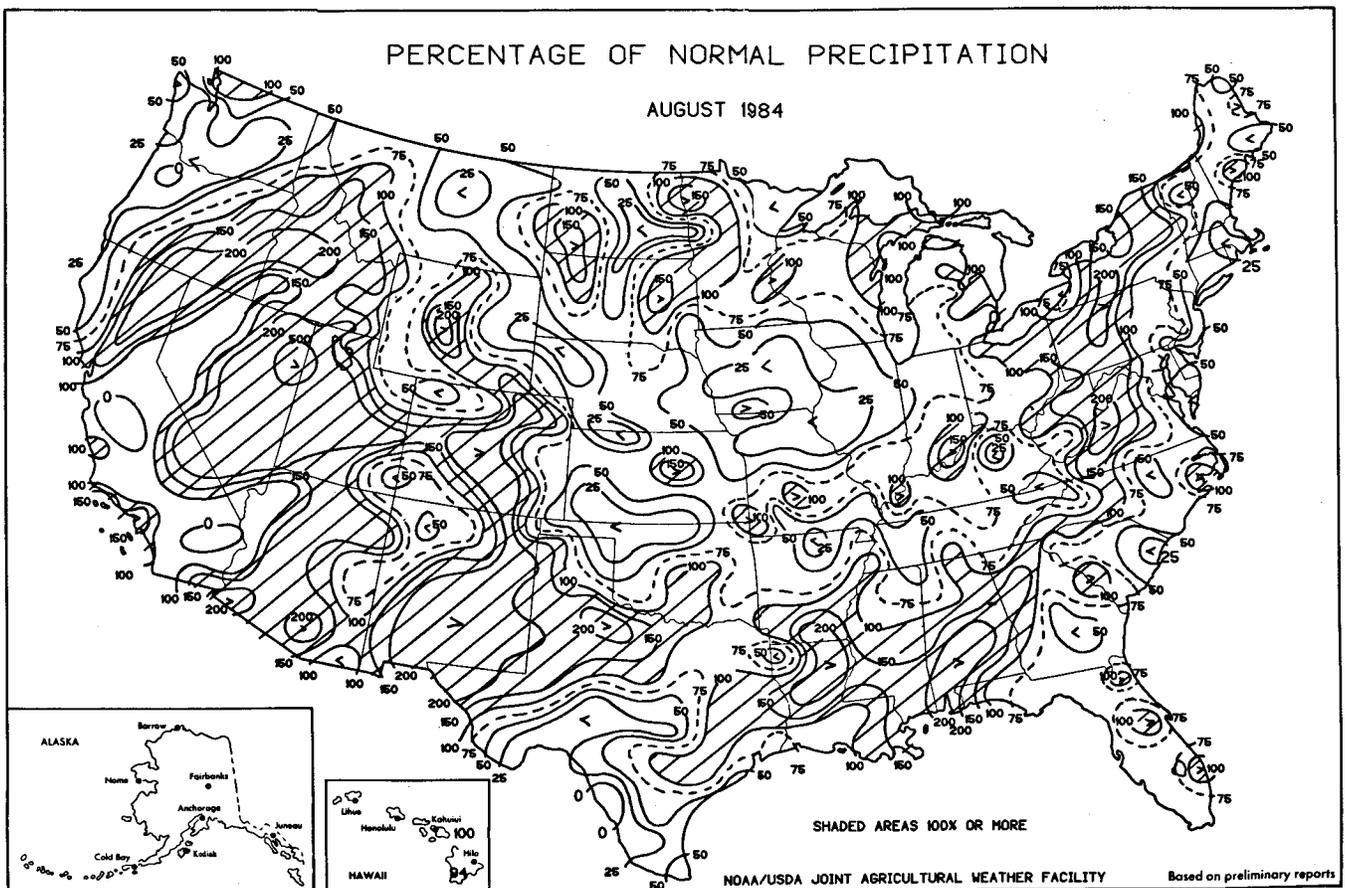
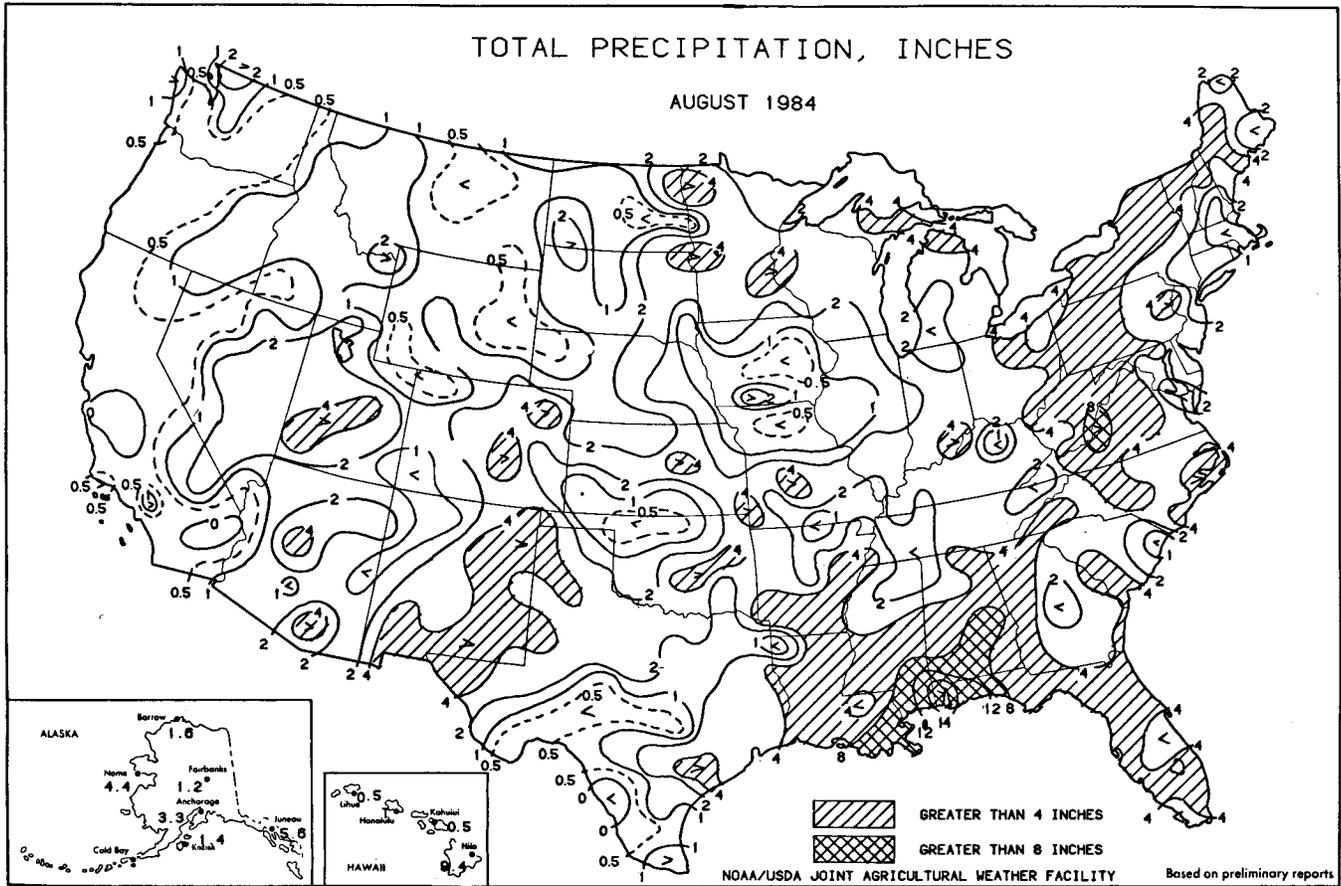
Soybeans were in mostly fair to good condition in the Corn Belt, and mostly good condition elsewhere. Adequate moisture aided pod filling in the South, while dry conditions stressed stands in the Corn Belt. In the 18 major producing States, 98 percent of the crop bloomed by September 2, and 91 percent set pods. Leaves were turning color in early-planted stands, and leaves started shedding in some areas. Unlike corn, soybean development was behind average in the western Corn Belt, and ahead of average in eastern areas. Development was slightly ahead of schedule across much of the South.

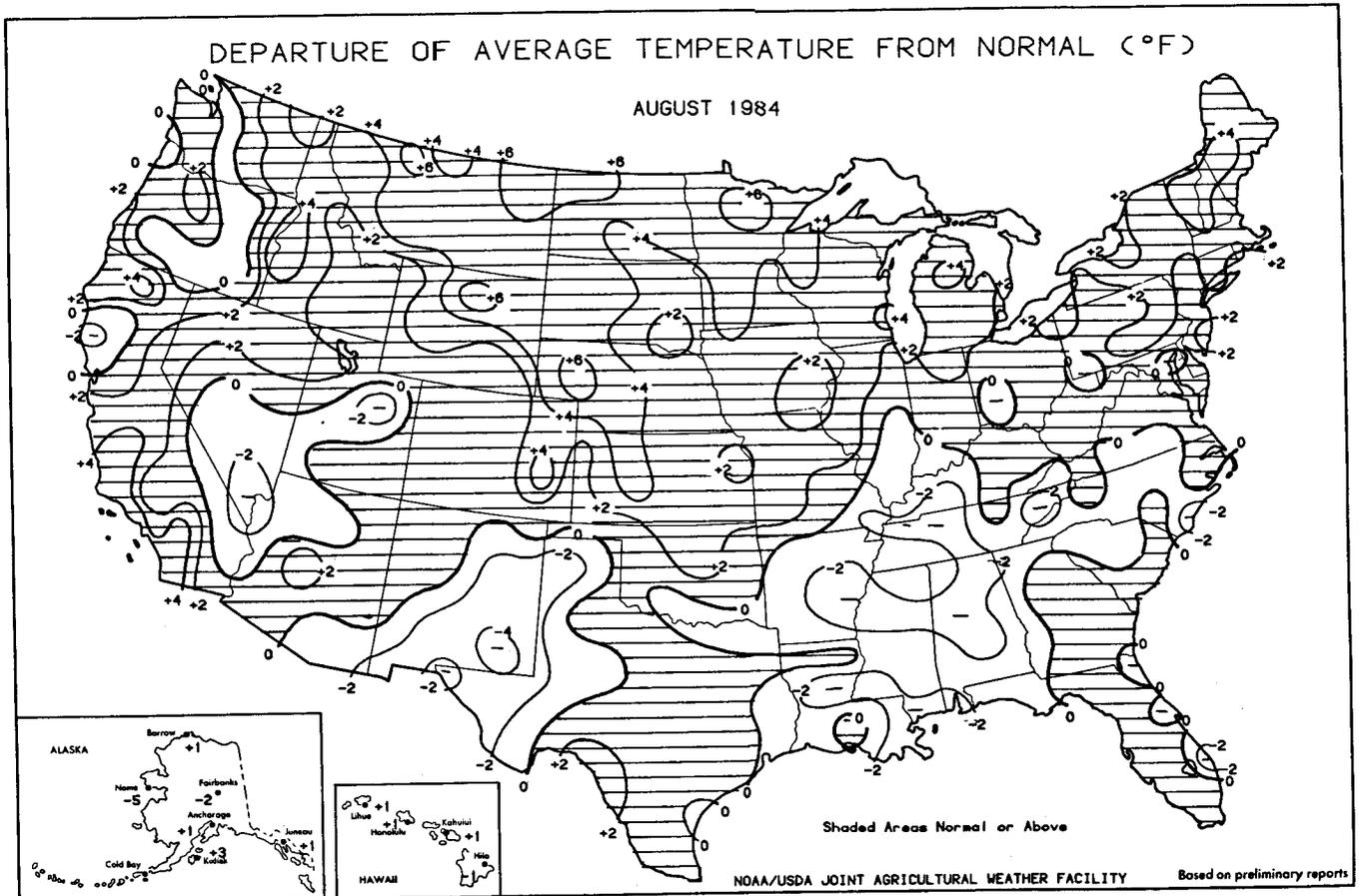
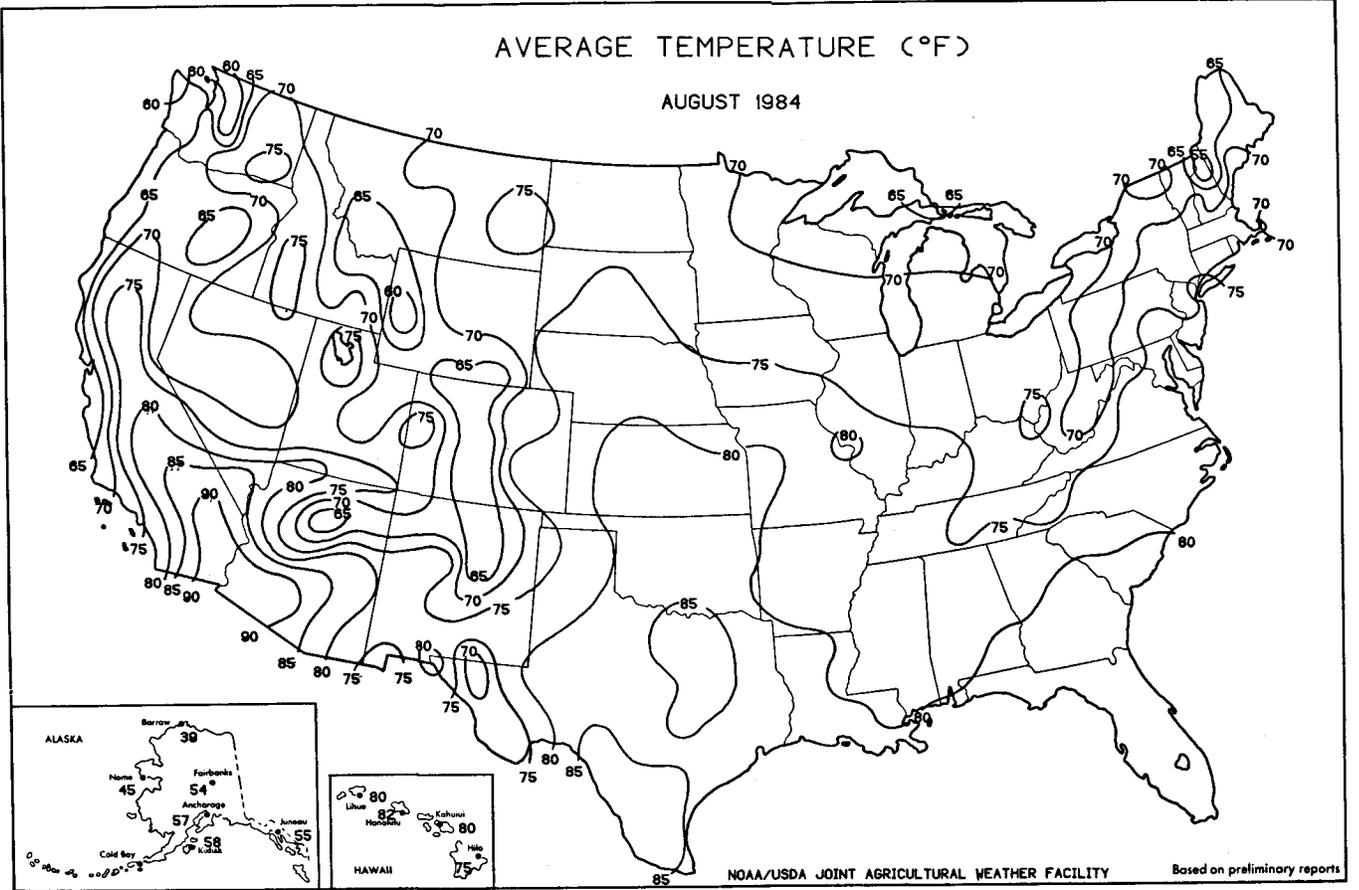
Cotton was in fair to mostly good condition, but Mississippi and Oklahoma conditions were only fair. The boll set was virtually complete by the end of August, and 22 percent of the acreage opened bolls. Harvesting was confined to Texas, where 10 percent of the crop was picked, equaling the average.

Prolonged dryness stressed dryland cotton in the Low Plains of Texas and Oklahoma, causing some square and boll shedding late in the month. However, frequent showers provided generally adequate moisture for crop development across the Texas High Plains. Growers in all States actively sprayed to control increasing insect populations during the month.

Sorghum was in fair to good condition. Late August showers benefited critically stressed stands in portions of the southern Plains. However, additional precipitation was needed as hot weather was causing rapid plant maturity. In the 7 major producing States, grain sorghum heading advanced to 92 percent by September 2. Coloring was evident in all States--ranging from 25% in Kansas to 74 percent in Texas. The Texas harvest was 62 percent complete, only 1 point behind average. Combining

(continued on back page)





Temperature and Precipitation Data for August 1984

States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches		States and Stations	Temperature OF		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	78	-2	3.8	-0.1	BATON ROUGE	80	-1	3.9	-1.2	COLUMBUS	73	1	3.0	-0.7
MOBILE	79	-3	15.2	8.4	LAKE CHARLES	81	-1	4.9	-0.5	DAYTON	71	-2	2.1	-1.0
MONTGOMERY	79	-2	10.4	7.0	NEW ORLEANS	79	-3	9.5	3.5	TOLEDO	71	1	3.9	0.7
AK ANCHORAGE	57	1	3.3	1.2	SHREVEPORT	82	0	0.9	-1.7	YOUNGSTOWN	72	3	3.8	0.4
BARROW	39	1	1.6	0.7	ME CARIBOU	66	3	1.7	-1.8	OK OKLAHOMA CITY	83	2	2.4	0.0
FAIRBANKS	54	-2	1.2	-0.7	PORTLAND	69	2	2.1	-0.7	TULSA	83	-1	1.9	-1.1
JUNEAU	55	1	5.6	0.5	MD BALTIMORE	75	-1	4.1	-0.5	OR ASTORIA	60	-1	0.5	-1.1
KODIAK	58	3	1.4	-3.9	MA BOSTON	76	1	1.6	-4.2	BURNS	65	-2	1.2	0.4
NOME	45	-5	4.4	1.3	MA BOSTON	74	3	1.6	-2.1	MEDFORD	72	1	0.5	0.0
AZ FLAGSTAFF	64	0	3.9	1.3	MI CHATHAM	70	2	1.5	-2.6	PENDLETON	72	0	0.4	-0.1
PHOENIX	91	1	0.8	-0.2	MI ALPENA	67	2	5.8	2.6	PORTLAND	69	2	0.1	-1.0
PRESCOTT	72	1	4.2	0.8	DETROIT	73	2	3.0	-0.2	PA SALEM	67	1	0.0	-0.8
TUCSON	83	-1	4.2	2.1	FLINT	72	3	3.7	0.3	PA ALLENTOWN	74	2	4.2	-0.3
WINSLOW	76	0	1.4	0.0	GRAND RAPIDS	73	3	1.5	-2.0	ERIE	72	4	2.1	-1.8
YUMA	92	0	1.2	0.8	Houghton Lake	69	3	3.0	0.1	HARRISBURG	76	2	2.8	-0.5
AR FORT SMITH	81	0	2.0	-1.0	LANSING	72	3	3.2	0.1	PHILADELPHIA	75	0	3.3	-0.8
LITTLE ROCK	79	-2	1.8	-1.3	MAQUETTE	64	2	4.2	1.0	PITTSBURGH	71	0	5.1	1.8
CA BAKERSFIELD	83	0	T	-0.1	MUSKOGON	72	3	2.0	-1.1	SCRANTON	72	3	2.8	-0.7
EUREKA	60	3	0.1	-0.3	Sault Ste. Marie	65	2	3.0	-0.5	RI PROVIDENCE	74	3	0.7	-3.3
FRESNO	83	4	0.0	0.0	MN ALEXANDRIA	72	4	4.3	0.7	SC CHARLESTON	81	1	2.0	-4.5
LOS ANGELES	73	3	0.3	0.2	DULUTH	68	5	2.0	-2.2	COLUMBIA	79	-1	3.2	-2.4
RED BLUFF	79	-1	0.5	0.3	INT'L FALLS	68	5	1.2	-1.8	FLORENCE	79	-1	1.6	-3.1
SACRAMENTO	75	0	T	-0.1	MINNEAPOLIS	73	3	5.1	1.4	GREENVILLE	76	0	4.0	0.3
SAN DIEGO	77	5	0.1	-0.1	ROCHESTER	71	3	1.9	-1.9	SD ABERDEEN	73	2	2.2	0.2
SAN FRANCISCO	64	1	0.1	0.1	ST CLOUD	71	4	2.6	-1.7	HURON	74	2	3.6	1.5
CO DENVER	72	1	3.2	1.7	MS GREENWOOD	78	-2	2.3	-0.4	RAPID CITY	75	4	1.0	-0.4
GRAND JUNCTION	76	1	1.8	0.9	JACKSON	80	-1	4.5	0.8	SIoux FALLS	74	2	0.8	-2.4
FUEBLO	75	1	4.4	2.6	MERIDIAN	79	-1	4.8	1.5	TN CHATTANOOGA	77	-1	2.5	-0.9
CT BRIDGEPORT	75	2	1.2	-2.5	MO COLUMBIA	79	3	0.9	-2.1	KNOXVILLE	74	-3	1.7	-1.3
HARTFORD	73	2	1.3	-2.7	KANSAS CITY	79	2	0.8	-2.8	MEMPHIS	80	-1	5.0	1.3
DC WASHINGTON	78	0	2.3	-2.1	SAINT LOUIS	81	4	0.8	-1.7	NASHVILLE	77	-2	2.5	-0.9
FL APALACHICOLA	81	-1	4.7	-2.9	SPRINGFIELD	79	3	1.3	-1.6	TX ABILENE	83	0	3.2	0.7
DA.TONA BEACH	81	0	4.0	-2.4	MT BILLINGS	75	5	0.6	-0.5	AMARILLO	75	-2	2.3	-0.7
FT. M.ERS	84	1	5.5	-3.1	GLASGOW	75	6	0.4	-1.0	AUSTIN	86	1	0.5	-1.8
JACKSONVILLE	80	-1	3.8	-3.4	GREAT FALLS	72	4	1.0	-0.3	BEAUMONT	82	-1	3.9	-1.5
KEY WEST	84	0	2.6	-2.3	HAVRE	71	3	0.5	-0.7	BROWNSVILLE	84	1	1.8	-1.0
MIAMI	82	0	5.4	-1.7	HELENA	70	4	1.1	-0.1	CORPUS CHRISTI	84	-1	0.9	-2.7
ORLANDO	81	-1	7.9	1.6	KALISPELL	66	2	0.9	-0.6	DEL RIO	86	2	0.5	-1.1
TALLAHASSEE	81	0	4.3	-3.0	MILES CITY	77	5	0.8	-0.4	EL PASO	80	0	5.6	4.4
TAMPA	82	0	5.7	-2.0	MISSOULA	68	2	1.5	0.5	PORT WORTH	86	0	1.5	-0.3
WEST PALM BEACH	81	-2	6.4	0.5	NE GRAND ISLAND	77	2	1.2	-1.4	GALVESTON	82	-1	3.1	-1.4
GA ATLANTA	80	0	6.5	3.1	LINCOLN	78	3	1.4	-2.0	HOUSTON	83	0	3.5	-0.2
AUGUSTA	80	0	4.4	0.5	NORFOLK	76	3	1.5	-1.1	LUBBOCK	78	0	3.7	1.5
MACON	82	1	1.5	-2.1	NORTH PLATTE	76	4	1.4	-0.5	MIDLAND	80	-1	2.4	0.8
SAVANNAH	81	1	3.5	-3.2	OMAHA	77	3	0.9	-3.3	SAN ANGELO	83	0	0.3	-1.6
HI HILO	75	-1	9.4	-0.6	SCOTTSBLUFF	76	4	0.4	-0.5	SAN ANTONIO	85	1	3.0	0.2
HONOLULU	82	1	T	-0.6	VALENTINE	75	3	1.3	-1.1	VICTORIA	84	0	4.2	0.7
KAHULUI	80	1	0.5	0.0	NV ELKO	71	3	0.5	-0.1	WACO	87	1	1.3	-0.7
LIHUE	80	1	0.5	-1.4	ELY	65	0	2.1	1.5	WICHITA FALLS	84	0	3.1	0.9
ID BOISE	76	4	1.2	0.8	LAS VEGAS	85	-3	1.0	0.5	UT BLANDING	72	1	0.6	-0.8
LEWISTON	75	3	0.9	0.1	RENO	70	3	T	-0.3	MILFORD	72	0	3.8	3.1
POCATELLO	70	1	0.7	0.1	WINNEMUCCA	71	2	0.2	-0.2	CEDAR CITY	72	1	3.1	2.0
IL CAIRO	78	-1	1.1	-2.9	NH CONCORD	69	2	1.0	-2.3	SALT LAKE CITY	77	2	1.5	0.6
CHICAGO	73	1	2.1	-1.4	NJ ATLANTIC CITY	77	4	2.4	-2.3	VT BURLINGTON	71	4	3.3	-0.6
MOLINE	75	2	1.3	-2.4	NM ALBUQUERQUE	76	0	2.8	1.3	VA NORFOLK	78	0	2.3	-3.1
PEORIA	75	2	0.8	-2.6	CLOVIS	75	-2	2.8	0.3	RICHMOND	77	0	4.6	-0.4
QUINCY	76	2	0.3	-3.6	ROSWELL	76	-3	4.7	2.5	ROANOKE	74	-1	9.5	5.6
ROCKFORD	73	2	1.6	-2.1	ALBANY	72	3	3.3	-0.1	WA COLVILLE	68	1	0.3	-0.9
SPRINGFIELD	77	3	0.6	-2.6	BINGHAMTON	70	3	3.1	-0.3	QUILLA.UTE	59	0	1.5	-1.4
EVANSVILLE	76	0	2.7	-0.3	BUFFALO	70	1	4.1	-0.1	SEATTLE-TACOMA	65	1	0.1	-1.2
FORT WA.NE	73	2	1.1	-2.1	NEW YORK	76	1	1.2	-3.1	SPOKANE	70	2	0.3	-0.5
INDIANAPOLIS	74	1	3.3	-0.2	ROCHESTER	72	2	6.1	2.9	WALLA WALLA	76	2	0.2	-0.5
SOUTH BEND	74	3	1.5	-2.4	SYRACUSE	69	0	5.1	1.3	YAKIMA	69	0	T	-0.3
IA DES MOINES	78	4	0.3	-3.9	NC ASHEVILLE	72	-1	5.0	0.2	WV BECKLE	69	0	2.7	-1.0
DUBUQUE	72	2	1.4	-3.1	CHARLOTTE	77	-1	4.0	0.2	CHARLESTON	75	1	4.6	0.5
SIoux CITY	75	2	0.8	-2.4	GREENSBORO	75	-1	5.6	1.4	HUNTINGTON	76	2	4.7	1.0
WATERLOO	72	2	0.4	-3.3	HATTERAS	79	0	4.7	-1.4	PARKERSBURG	75	2	5.4	1.9
KS CONCORDIA	79	2	1.8	-1.5	NEW BERN	80	2	3.6	-2.7	WI GREEN BAY	69	2	3.8	0.6
DODGE CITY	83	4	1.3	-1.3	RALEIGH	76	-1	1.1	-3.3	LA CROSSE	73	2	2.1	-1.6
GOODLAND	75	2	1.1	-0.8	WILMINGTON	78	-2	4.8	-1.8	MADISON	71	2	1.8	-2.0
TOPEKA	78	1	1.0	-2.7	ND BISMARCK	72	3	0.9	-0.8	MILWAUKEE	73	4	3.0	-0.1
WICHITA	83	3	0.8	-2.1	FARGO	73	4	0.2	-2.5	WUSAU	70	3	3.1	-1.0
KY BOWLING GREEN	75	-2	2.8	-0.5	GRAND FORKS	71	4	3.6	1.0	WY CASPER	71	2	0.3	-0.4
JACKSON	74	2	2.6	-1.0	WILLISTON	74	6	0.7	-0.8	CHEYENNE	67	0	2.8	1.5
LEXINGTON	75	0	0.6	-3.4	OH AKRON-CANTON	70	0	3.8	0.5	LANDER	72	3	1.3	0.8
LOUISVILLE	76	0	5.1	1.8	CINCINNATI	74	0	3.3	0.3	SHERIDAN	73	5	1.0	0.0
LA ALEXANDRIA	80	-2	7.3	4.4	CLEVELAND	71	1	5.5	2.1	PR SAN JUAN	83	1	6.1	0.1

Based on 1951-80 normals.

National Agricultural Summary

August 27 to September 2, 1984

HIGHLIGHTS: Hot, dry conditions advanced corn maturity, delayed winter wheat seeding, and stressed soybeans from the central Plains through most of the Corn Belt. Montana range fires destroyed much of the winter grazing area and some hay supplies. However, livestock losses were minimal. Showers benefited pastures and some crops across portions of the southern Plains, but additional precipitation is needed for continued growth. Soil moisture was short to mostly adequate, but very dry conditions persisted in portions of the northern and southern Plains and in the Corn Belt where supplies were mostly short. Farmers had 5-7 days suitable for fieldwork across the Nation.

Showers slowed completion of winter wheat combining in portions of the Northwest. Spring wheat was 95% combined, 23 percentage points ahead of the average. Ninety percent of the corn was in or past the dough stage, and 55% was dent. Only 10% of the crop reached maturity, compared with the 13% average. Harvesting moved northward; reaching 4% completion in Missouri and 6% in Virginia. Soybeans bloomed on 98% of the acreage and 91% set pods; just slightly ahead of normal. Sorghum was headed on 92% of the acreage and turned color on 49% of the acreage, both equaling the average. Cotton bolls opened on 22% of the acreage, 3 points behind average. Rice was 91% headed and 28% harvested. The Texas harvest was finished. Peach and apple picking continued active in northern areas, while harvesting of summer vegetables declined. Pastures and ranges rated poor to fair in portions of the Corn Belt and southern Plains, and fair to good elsewhere in the Nation. Livestock marketings continued active as forage supplies tightened across portions of the Plains. Herds were in good condition but supplemental feeding was necessary in some areas.

SMALL GRAINS: Showers in the Northwest slowed completion of winter wheat combining. Seeding reached 8% completion in Colorado, and 1% in Nebraska. Hot, dry conditions delayed planting from the southern Plains through much of the Corn Belt.

Spring wheat harvesting reached 95% completion in the five major producing State, slightly ahead of last year's 93%, but well ahead of the 72% average. Hot, dry weather caused rapid maturity and early combining in most areas. The only State behind normal was Idaho with 58% of the crop harvested.

CORN: Hot, dry weather advanced corn maturity from the Great Plains through most of the Corn Belt. Stands continued to deteriorate, but were in fair to good condition, except in Missouri, poor to fair conditions prevailed. In the 17 major producing States, 90% of the corn was in or past the dough stage, 55% reached the dent stage, and 10% was mature. Normally, about 88% reached the dough stage, 54% reached the dent stage, and 13% was mature. Harvesting became more widespread, reaching 4% finished in Missouri and 6% completed in Virginia. The Georgia crop was 54% harvested, well behind the 63% average.

SOYBEANS: Showers across much of the Delta States and Southeast aided soybean pod filling while dry conditions caused stand deterioration in the Corn Belt and Great Plains. Stands rated mostly fair to good in most producing areas. In the 18 major producing states, 98% of the crop bloomed, 1 point ahead of both last year and the average. Ninety-one percent of the crop set pods, compared

with 89% a year earlier. Fields began shedding leaves in portions of the Corn Belt.

COTTON: Cotton rated fair to mostly good. However, hot, dry weather caused some poor conditions in portions of the southern Plains. Showers aided the crop in portions of the southern Plains, but additional precipitation is needed in most areas. The boll set was virtually complete in all States. Bolls opened on 22% of the acreage in the 14 major producing States, compared with the 25% average. Picking was confined to Texas, where 10% of the acreage was harvested.

SORGHUM: Rains benefited sorghum across portions of the southern Plains, but some dryland areas remain severely stressed. Sorghum was in fair to good condition in most areas. In the seven major producing States, heading was complete on 92% of the acreage, equaling to the average. Sorghum was colored on 49% of the acreage, equaling both last year and the average. Coloring ranged from 25% in Kansas to 74% in Texas. Harvesting slowed in the Texas Blacklands where combining reached 62% completion, 1 point behind normal.

OTHER CROPS: Tobacco harvesting was active in all producing areas, but trailed normal in all States except South Carolina and Virginia. The Kentucky burley crop was 28% cut, compared with the 34% average. Twelve percent of the burley crop and 77% of the flue-cured crop was harvested in North Carolina.

Peanut digging increased in the Southeast, reaching 34% complete in Mississippi, and 3% finished in both Alabama and Georgia. The crop was in mostly good condition in the Southeast. In Texas, recent rains benefited the crop on the Plains, but dryland stands were still stressed across most of the State.

In the five major rice producing States, 91% of the acreage headed, and harvesting was 28% finished. In the Southern States, harvesting ranged from 3% finished in Arkansas to completed in Texas. Stands were in mostly good condition. California harvesting began.

VEGETABLES: Harvesting of summer vegetables continued to decline seasonally, while fall vegetable harvesting gained momentum in northern regions. Florida growers planted and transplanted winter vegetables between showers. California producers continued to harvest and plant a wide variety of vegetables. The processing tomato harvest declined in the San Joaquin Valley, but continued active in the Sacramento Valley and along the coast. Potato harvesting gained momentum in the Northeast and Northwest as growers continued killing potato vines.

FRUITS AND NUTS: Apple picking increased as peach picking declined in the Northeast. Fall apples began coloring. Florida's citrus groves made very good progress with adequate moisture. Rehabilitation of Texas citrus groves remained slow as growers determined to fate of freeze-damaged groves. Arizona lemon harvesting increased. California stone fruit harvesting neared completion. Valencia orange picking slowed. Producers prepared for the walnut harvest. Fifty-five percent of the Thompson seedless raisins were laid on the ground to dry in Fresno County.

PASTURES AND LIVESTOCK: Pasture and ranges continued to deteriorate across much of the Great
(continued on p. 9)

CROP PROGRESS

FOR WEEK ENDING SEPT 2, 1984

**SPRING WHEAT
% HARVESTED**

	1984	1983	AVG.
IDAHO	58	48	62
MINN	98	97	77
MONT	95	95	55
N D	96	92	70
S DAK	100	100	98
5 STATES	95	93	72

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

**SOYBEANS
% BLOOMING**

	1984	1983	AVG.
ALA	95	96	97
ARK	91	91	90
GA	98	97	98
ILL	100	100	100
IND	100	100	100
IOWA	100	100	100
KANS	99	100	95
KY	95	93	97
LA	99	95	97
MICH	100	100	100
MINN	100	100	100
MISS	96	90	100
MO	96	98	89
NEBR	100	100	100
N C	88	86	87
OHIO	100	100	100
S C	95	94	95
TENN	97	98	100
18 STATES	98	97	97

**SOYBEANS
% SETTING PODS**

	1984	1983	AVG.
ALA	77	84	87
ARK	75	68	72
GA	87	85	86
ILL	100	100	99
IND	98	97	95
IOWA	100	100	99
KANS	90	80	75
KY	75	73	78
LA	94	84	88
MICH	100	100	100
MINN	99	99	99
MISS	78	59	83
MO	85	85	79
NEBR	94	100	100
N C	72	63	66
OHIO	100	100	100
S C	79	69	79
TENN	84	87	89
18 STATES	91	89	90

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

**SORGHUM
% HEADED**

	1984	1983	AVG.
COLO	90	90	90
KANS	90	80	85
MO	94	89	88
NEBR	93	100	100
OKLA	97	95	95
S DAK	93	89	93
TEX	94	95	97
7 STATES	92	90	92

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

**SORGHUM
% COLORING**

	1984	1983	AVG.
COLO	37	46	32
KANS	25	25	25
MO	68	62	57
NEBR	35	45	40
OKLA	55	40	65
S DAK	44	43	42
TEX	74	73	76
7 STATES	49	49	49

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

**RICE
% HEADED**

	1984	1983	AVG.
ARK	84	92	93
CALIF	95	70	79
LA	97	96	96
MISS	93	93	93
TEX	100	100	100
5 STATES	91	91	92

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

**RICE
% HARVESTED**

	1984	1983	AVG.
ARK	3	3	5
CALIF	1	0	0
LA	65	55	68
MISS	4	3	8
TEX	92	85	94
5 STATES	28	24	29

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

**COTTON
% BOLLS OPENING**

	1984	1983	AVG.
ALA	16	13	20
ARIZ	70	50	60
ARK	11	23	26
CALIF	55	15	24
GA	24	29	41
LA	17	10	29
MISS	22	26	43
MO	16	23	28
N MEX	25	6	11
N C	19	36	36
OKLA	3	0	5
S C	15	62	55
TENN	9	20	15
TEX	14	14	21
14 STATES	22	17	25

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

**CORN
% DOUGH**

	1984	1983	AVG.
COLO	87	82	77
GA	100	100	100
ILL	95	98	98
IND	96	96	94
IOWA	88	91	85
KANS	96	85	90
KY	97	93	98
MICH	90	90	93
MINN	93	91	76
MO	95	97	92
NEBR	92	85	85
N C	96	99	98
OHIO	90	95	90
PA	77	82	82
S DAK	70	76	80
VA	87	93	94
WIS	75	75	77
17 STATES	90	91	88

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

**CORN
% DENT**

	1984	1983	AVG.
COLO	48	37	36
GA	100	100	100
ILL	71	80	74
IND	50	50	55
IOWA	60	66	54
KANS	50	40	55
KY	76	65	73
MICH	30	30	36
MINN	51	56	40
MO	89	81	75
NEBR	35	45	40
N C	88	96	93
OHIO	50	60	50
PA	25	24	31
S DAK	40	47	45
VA	70	72	79
WIS	35	45	35
17 STATES	55	59	54

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

**CORN
% MATURE**

	1984	1983	AVG.
COLO	0	1	0
GA	95	97	98
ILL	10	15	21
IND	5	5	8
IOWA	7	11	6
KANS	15	10	25
KY	15	11	21
MICH	0	0	0
MINN	3	3	2
MO	21	33	26
NEBR	0	1	2
N C	65	78	77
OHIO	5	5	10
PA	0	0	1
S DAK	9	15	12
VA	36	49	56
WIS	5	10	5
17 STATES	10	12	13

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN 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 1 to 2° below normal. Rainfall scattered 0.00 to 2.21 in.

Soil moisture short northwest; adequate remainder of the State. Fieldwork: 6.4 days. Corn mature 92%, 85% 1983. Corn harvested 34%, 34% 1983, 47% average. Soybeans blooming 95%, 96% 1983, 97% average. Soybeans setting pods 77%, 84% 1983, 87% average. Soybeans turning yellow 8%, 7% 1983. Cotton bolls 1984 16%, 13% 1983, 20% average. Peanuts dug 3%, 3% 1983. Sorghum harvested 16%, 16% 1983. Activities: Harvesting corn, sorghum, and vegetables; peach harvest complete; cutting hay and silage; disease and insect control in field crops; preparing for fall planting; and routine care of livestock and poultry. Conditions: Corn mostly good; soybeans, cotton, sorghum, pasture, and livestock good; peanuts fair to good.

ALASKA: No Report Available.

ARIZONA: Dramatic decrease thunderstorm activity, warming by 29th as high pressure aloft built. Maximum readings middle 80's high country, middle 90's at 5,000 ft. 110 to 117° lower deserts. Marked increase in thunderstorms on 1st over central areas. Locally very heavy rains, hail, strong winds producing flash flooding, wind damage. Weekly amounts mostly 0.25 to 1.00 in. except 1.00 to 2.00 in. Salt River Valley. Western one-third very little or none. Average temperatures mostly 1 to 5° above seasonal normal.

Ranges, pastures improve with rainfall, seasonally moderate temperatures. Northern portion received frequent spotty rainfall leaving stock water supplies, range feed above average. Cattle, sheep good condition. Rainfall increased soil moisture, range forage mid-elevations, central stock water supplies abundant, cattle in good, sheep fair condition. Southern, most desert areas stock water supplies adequate; soil moisture, range forage above average. Cattle, sheep good to excellent. Light insect damage, predominantly grasshoppers, occurred mid-to-lower elevations. Cotton 70% open bolls, 50% last year, 60% average. Boll rot problem most areas. Many growers using insect control measures. Crop above average west, average to above average other areas. Alfalfa harvest continued active with some delays by rain. The market was generally steady with moderate trading. There was an abundant supply of rain damaged hay. Planting fall lettuce active. Green onion harvest expected to begin 8th. Planting of cauliflower continued, harvest expected by 19th. Apple, peach harvest full swing. Lemon harvest increasing gradually Yuma area, other citrus sizing normally. Groves good condition.

ARKANSAS: Very warm week, especially north central and northwest. Midweek cool fronts brought generally light rain. Temperatures up to 10° above normal. High 109°, low 48°. Most rain 1.78 in., least 0 at several locations. Soil moisture adequate to short. Days favorable for fieldwork: 6.3.

Cotton good condition; open bolls 11%, 23% 1983, 26% average; none harvested this year, 1983, or average. Rice good condition; headed 84%, 92% 1983, 93% average; ripe 10%, 14% 1983, 26% average; harvested less than 5% this year and 1983, 5% average. Soybeans good condition;

blooming 91% 1984 and 1983, 90% average; setting pods 75%, 68% 1983, 72% normal; yellowing just starting, 14% 1983, 12% average; no shedding of leaves this year, 1983, or average. Corn good; harvested 29%, 54% 1983, 38% normal. Sorghum good; harvested 11%, 22% 1983, 21% normal. Pastures slightly below average. Livestock good condition.

CALIFORNIA: Weekly mean temperatures warmer than normal statewide except west side of Sacramento Valley where the average was 2° below normal. Cooler readings from the cloudiness and precipitation over the northern third of the State. Largest rain totals in northern mountains near the Oregon border. Sacramento Valley averaged nearly 0.50 in. and north coast a little more than 0.33 in. Rainfall developed as moisture surge pinwheeled away from "Lowell". Warm air from the tropical system had weekly means over the south coast and southeastern desert well above normal.

Cotton 55% open bolls, 15% last year, 24% average. Final irrigation complete or underway in most fields. Spraying active for armyworms, mites. Rice 95% headed, 70% last year, 79% average. Harvested 1%, 0% last year and average. Fields continue to be drained in preparation for harvest. Sugarbeets are being treated for armyworms, mites. Young sugarbeets being thinned, weeded. Some harvest continues. Grain corn and corn for silage being harvested. Dry beans, safflower, alfalfa seed harvests remain active. Alfalfa hay cutting continues. Apple, grape, nectarine, Clingstone and Freestone peach, Bartlett pear, plum pomegranate, prune, summer grapefruit, desert lemon, Valencia orange, and almond harvests active. Fifty-five percent Thompson Seedless raisins on ground in Fresno County. Kiwifruit sizing well. Stonefruit harvest near completion. Rain last week caused little damage Clingstone peaches. Valencia orange harvest slowing down. Walnuts being prepared for harvest. Artichoke volume light. Broccoli fairly heavy supply central coast. Brussels sprouts harvest started. Carrots light supply. Cauliflower volume light. Celery fairly light supply central coast. Harvest honeydew, mixed melons active. Lettuce fairly heavy supply. Harvest summer potatoes continued. Very light harvest fall Norgold russets started. Market tomato harvest continued coastal, San Joaquin Valley areas. Processing tomato harvest declined central San Joaquin Valley, continuing active Sacramento Valley, coastal districts. Showers northern, north central areas reduced fire hazard. Dry feed value lowered by leaching nutrients. Supplemental feeding continued active some areas. Some movement livestock from summer ranges beginning.

COLORADO: Mostly dry, except the weekend where thunderstorms left up to 0.50 in. in the southeast. Temperatures averaged 2 to 5° above normal.

Winter wheat seeding has begun with 8%; 1983, 6%; average, 11%. Plant emergence at 3%; 1983, 5%; average, 4%. Corn in good condition; 87% at dough stage; 1983, 82%, average, 77%; 48% dented; 1983, 37%; average, 36%. Sorghum in good condition with 90% headed; 1983 and average, 90%; turning color at 37%; 1983, 46%;

average, 32%. Barley harvest 67% complete; 1983 and average, 73%. Spring wheat harvest at 27%; 1983, 22%; average, 35%. Alfalfa 2nd cutting at 80%; 1983, 79%; average, 85%. Third cutting 27% complete; 1983, 28%; average, 35%. Summer potato harvest at 46%; 1983, 30%; average, 34%. Onion harvest 14% complete; 1983, 18%; average, 20%. Dry beans 24% cut; 1983 and average, 16%; 8% threshed; 1983, 5%; average, 4%. Average 6.0 days of fieldwork.

FLORIDA: A relatively dry air mass remained over the State with only spotty, mainly afternoon thunderstorms. Rainfall mostly light. Early week morning temperatures dropped into the 60's north; record lows set in a few areas. A warming trend occurred beginning late week and extending through weekend.

Numerous thunderstorms provided adequate soil moisture with surplus, low lying areas. Light corn harvest continues but winding down. Soybeans good condition, late beans blooming, early beans pod filling stage. Peanut harvest underway, average yield on early diggings. Cotton fair to good condition, bolls opening rapidly. Sugarcane, good condition. Hay harvest active between thunderstorms. Good to excellent pasture conditions continue to prevail across the State due to relatively favorable weather. Grasses remain plentiful in most pastures as moisture is adequate. Cattle in good to excellent condition. Commercial citrus groves progressed very well. Moisture adequate. Abundance of new foliage. New crop fruit testing continues. Caretakers very active cleaning up overgrown cover crops. Partly cloudy skies, hot days, generally warm nights prevailed vegetable areas. Scattered afternoon thundershowers occurred most areas, land preparation, laying plastic very active. Planting cucumbers, cabbage, sweet corn, snap beans, squash gaining. Transplanting celery, peppers, eggplant continues to increase. Small acreage of watermelons making good growth west central area.

GEORGIA: Temperatures averaged 70° in mountains, mid 70's over northern counties and upper 70's to 40° central and south. Temperatures averaged about 10° below normal most locations. Maximum temperatures 90 or above nearly statewide with 97° highest reported reading. A minimum of 50° in mountains was coolest reading for week. Most other minimum in 60's. Rainfall heaviest over northern counties, but most totals under 0.50 in. Many central and southern areas had no rain. Rain fell on one to two days.

Soil moisture 4% surplus, 55% adequate, 35% short, 6% very short. Average days suitable for fieldwork 5.2. Main activities: Haying, harvesting tobacco and apples, spraying cotton, soybeans and pecans for insects and disease. Corn dent 100% this year, last year, average; mature 95%, 97% last year, average 98%; harvested 54%, 59% last year, average 63%; condition 10% excellent, 61% good, 25% fair. Cotton setting bolls 100% this year, last year, average; bolls open 24%, 29% last year, average 41% condition 11% excellent, 70% good, 19% fair. Peanuts 5% dug, 7% last year, average 10%; 2% threshed this year and last, average 3%; condition 12% excellent, 77% good, 9% fair. Some reports of white mold. Soybeans 98% blooming this year and average 97% last year, 87% setting pods, 85% last year, average 86%; 5% dropping leaves, 15% last year, average 11%; condition 12% excellent, 69% good, 17% fair. Tobacco 93% harvested, 94% last year, average 96%; condition 10% excellent, 53% good, 53% fair. Watermelons 99% harvested this

year and last, average 100%. Apples 64% picked, 63% last year, average 65%; condition 14% excellent, 66% good, 20% fair. Pecans 4% excellent, 61% good, 32% fair. Hay 8% excellent, 67% good, 23% fair. Pastures 10% excellent, 75% good, 14% fair. Cattle 6% excellent, 81% good, 13% fair. Hogs 6% excellent, 83% good, 11% fair.

HAWAII: Most areas of the State experienced record high temperatures during the week as previous highs were matched or surpassed on each day. Irrigation, however, insured normal crop growth in the major vegetable growing regions. A couple of tropical storms swirled around the State, but neither had any significant effect on the weather other than producing overcast skies late in the week.

Spraying heavy to control an increasing insect population. Rainfall was very light, except at the southern end of the island chain where showers fell daily in some areas. Production of head cabbage and Chinese cabbage will be moderate to heavy and of good quality. Most other vegetables in light supply. Papaya production in its seasonal peak. Banana production will remain steady.

IDAHO: A pacific low pressure system brought moderate temperatures and above normal rainfall to most of the State. Temperatures in the north ranged from near normal to slightly below normal. Temperatures in the southern portion of the State ranged from near normal to 5° above normal. Average rainfall for the week with the exception of the extreme north and southeastern parts of the State was from 0.10 to 0.50 in. above normal. The extreme north recorded from 0.25 to 0.30 in. below normal rainfall, while the extreme southeast received 0.10 in. below normal.

Despite rain shower, small grain harvest made good progress as 6.0 days were suitable for fieldwork. Winter wheat was 77% harvested compared to 74% last year and 80% average. The spring wheat crop was 58% harvested versus 48% in 1983 and 62% average. Spring barley advanced to 54% harvested compared to 55% a year ago and 62% average. Potatoes were turning color on 40% of the acreage compared to 64% last year. Dry pea harvest was coming to an early end with 96% of the crop in versus 86% in 1983 and 89% average. Sweet corn for processing was 70% harvested compared to 52% a year ago and 60% average. Dry beans were 5% harvested versus 4% for both last year and the average. The second cutting of alfalfa hay was 85% harvested compared to 78% in 1983 and 87% average.

ILLINOIS: Temperatures 7° above normal to 4° below normal. Precipitation 0.06 to 1.70 in.

Soil moisture 3% adequate, 97% short. Corn in dough 95%, last year 98%, average 98%; dented 71%, last year 80%, average 74%; mature 10%, last year 15%, average 21%. Corn condition 1% excellent, 55% good, 40% fair, 4% poor. Soybeans setting pods 100%, last year 100%, average 99%, turning yellow 21%, last year 24%, average 22%; shedding leaves 5%, last year 8%, average 6%. Soybean condition 1% excellent, 43% good, 48% fair, 8% poor. Alfalfa third crop cut 79%, last year 76%, average 70%. Alfalfa condition 52% good, 37% fair, 11% poor. Pasture condition 12% good, 42% fair, 40% poor, 6% failure. Days suitable for fieldwork: 6.8.

INDIANA: Temperatures 6 to 9° above normal north and 3 to 6° above south. Highs low to mid 90s. Lows upper 40s north to lower 50s south. Precipitation northern half of State

0.75 to 1.50 in. with heaviest in east. Rainfall variable with readings ranging from 0.25 in. to above 2.00 in. southern half.

Fieldwork averaged 6.3 days. Topsoil moisture mostly short to adequate. Subsoil moisture short to adequate. Corn condition fair to mostly good. Corn 96% in dough, 1983 96%, average 94%. Corn 50% dented, 1983 50%, average 55%. Corn 5% mature, 1983 5%, average 8%. Soybean condition fair to good. Soybeans 100% blooming, 1983 100%, average 100%. Soybeans 98% podding, 1983 97% average 95%. Soybeans 10% turning color, 1983 45%, average 10%. Wheat land 25% plowed, 1983 20%, average 25%. Tobacco 10% harvested, 1983 5%, average 15%. Silos 15% filled, 1983 15%, average 15%. Pastures poor to fair.

IOWA: A warm and dry week, 100° temperatures reported 27th, 28th and 29th.

Days suitable for fieldwork; 7.0. Corn crop condition 5% excellent, 44% good, 43% fair, 8% poor to very poor. Corn acreage in dough stage 88% complete; 91% last year; 85% normal. Corn acreage in dent stage 60% complete; 66% last year; 54% normal. Corn acreage matured 7% complete; 11% last year; 6% normal. Soybean crop condition 1% excellent, 33% good, 53% fair, 23% poor to very poor. Soybean acreage leaves turning color 20% complete; last year 18%; normal 18%. Soybean acreage shedding leaves 4% complete; last year 3%; normal 2%. Third crop alfalfa 62% complete; 61% last year; 63% normal; 2nd crop clover hay harvested 95% complete; 95% last year; 99% normal. Hay crop condition 2% excellent, 30% good, 47% fair, 21% poor to very poor. Topsoil moisture conditions 100% short. Subsoil moisture conditions 25% adequate, 75% short. Livestock mostly fair to good condition. Pasture conditions 2% excellent, 9% good, 27% fair, 45% poor, 17% very poor.

KANSAS: Precipitation averaged generally less than 0.10 in. Temperatures averaged 77° northwest, 81 to 87° elsewhere, 7 to 10° above normal.

Sorghum 90% headed, 80% last year, 85% average; 25% turning color, 25% last year average. Corn 96% dough, 85% last year, 90% average; about 50% dented, 40% last year, 55% average; 15% mature, 10% last year, 25% average. Soybeans 99% blooming, 100% last year, 95% average; setting pods 90%, 80% last year, 75% average. Topsoil and subsoil moisture mostly short. Pasture and rangeland fair to good. Days suitable for fieldwork: 6.5.

KENTUCKY: Temperatures averaged near seasonable normals and rainfall was generally light. Rainfall amounts averaged around 1.00 in. over west half downward to 0.10 to 0.20 in. in east. Mean temperatures were mostly in mid and upper 70's.

Days favorable for fieldwork averaged 5.2 out of 6 with cutting and housing tobacco, clipping pastures, haying and putting up silage primary activities. Burley yield prospects favorable in most areas and with a normal curing season quality should be good. Burley 28% cut, last year 15%, average 34%. Dark types nearly one-third cut. Corn for grain 15% mature with a few early fields being harvested. A year ago 11% mature and 21% is average. Corn 97% in or beyond the dough stage with 76% in the dent or later. Maturity ahead of last year, but about comparable with average. Soybeans 95% blooming or beyond compared with 93% last year and 97% average. Pods set or setting on 75%, compared 73% last year, 78% average. Pastures short many areas.

LOUISIANA: Rainfall heavy southeast and light northwest. Amounts ranged from none to 3.81 in. Temperatures averaged between 2° above normal and 2° below normal. High 100°; low 61°.

Soil moisture very short to short northwest, adequate elsewhere. Days suitable for fieldwork: 5.0. Activities included harvesting hay, rice, corn, sorghum, sweetpotatoes, and vegetables; fall vegetable and sugarcane planting; and insecticide and fungicide application. Rice headed 97% 1984, 96% 1983, 96% average; ripe 73% 1984, 70% 1983, 79% average; harvested 65% 1984, 55% 1983, 68% average; condition good. Corn mature 97% 1984, 97% 1983, 98% average; harvested 72% 1984, 50% 1983, 63% average; condition good. Cotton open bolls 17% 1984, 10% 1983, 29% average; leaves turning color 9% 1984, 7% 1983, 16% average; condition good. Sorghum turning color 98% 1984, 86% 1983, 89% average; ripe 76% 1984, 63% 1983, 67% average; harvested 50% 1984, 46% 1983, 43% average; condition fair to good. Sweetpotatoes harvested 31% 1984, 33% 1983, 33% average; condition good. Sugarcane planting 6% 1984, 15% 1983, 15% average; condition fair to good. Vegetable condition fair to good. Hay final cutting 52% 1984, 38% 1983, 32% average. Pasture condition fair to good. Livestock condition good.

MARYLAND AND DELAWARE: **Maryland:** The dry week enabled farmers to work 7.0 days in their fields. Topsoil moisture in short supply. Subsoil moisture remains adequate. Early planted corn in good condition late planted in fair condition. Corn in dough stage 95%, last year and average 90%. Corn dented 50%; 65% last year, average 70%. Five percent of corn mature; 20% mature 1983 and average. Silage 25% harvested; 1983 and average 35%. Soybeans 95% bloomed, 80% podded; equal to both 1983 and the average. Soybeans turning color in a few fields. Tobacco 95% bloomed, 75% topped and 60% harvested. Vegetables harvest nearing completion. Apples 25% harvested; 1983 and average 20%. Peaches 80% picked. Fourth cutting of alfalfa hay 20%; 35% 1983, average 30%.

Delaware: Near normal temperatures with no rain.

Seven days suitable for fieldwork. Topsoil and subsoil moisture in short supply for the second consecutive week. Corn in the dough stage 95%; last year and average 85%. Corn dented 80%; last year 35%, average 60%. Mature corn 10%; last year zero, average 10%. Soybeans fair condition. Ninety-five percent bloomed; 1983 95%, average 90%. Soybeans podded 90%; 70% 1983, average 75%. Soybeans turning color 5%; 1983's 10%, equal to the average. Alfalfa hay 95% cut three times; 1983 100%, average 95%. Fourth cutting of alfalfa hay 5%; 1983 and average 20%.

MICHIGAN: Temperatures averaged 5° above normal across the State. Highs were in the upper 80's to lower 90's with lows ranging from the upper 40's to mid 50's. Precipitation was moderate to heavy.

Statewide 5.0 days suitable for fieldwork. Corn 90% in dough, 90% last year, 93% average. Corn 30% dented, 30% last year, 36% average. Corn 0% mature, 0% last year, 0% average. Oats 95% harvested, 100% last year, 95% average. Soybeans 100% blooming, 100% last year, 100% average. Soybeans 100% setting pods, 100% last year, 100% average. Soybeans 25% turning, 25% last year, 31% average. Dry beans 80% turning, 80% last year, 84% average. Second cut hay

virtually finished, while third cut 30% complete, 35% last year, 28% average. Fruit and vegetables are of good quality as harvest continues over the State.

MINNESOTA: The week began by breaking several high temperature records across the State and then ended with temperatures falling below normal. Temperatures averaged 4 to 6° above normal. High: 102°, low 36°. Precipitation averaged 0.54 to 0.83 in. below normal. Greatest weekly total: 0.69 in.

Another very dry week continued to push row crops toward early maturity causing some premature, uneven filled ears in field corn and some rapid yellowing, wilt and leaf dropping in soybeans. Only the central area had adequate topsoil moisture. Fall fieldwork has been limited by the dryness. Pasture conditions continued to deteriorate and supplemental feeding has increased. Days suitable for fieldwork: 5.9. Topsoil moisture: 25% very short, 45% short, 33% adequate.

Field corn: Denting 51%, 1983 56%, normal 40%; nature 3%, 1983 3%, normal 2%; condition 8% poor, 35% fair, 49% good, 8% excellent. Soybeans: Turning yellow 26%, 1983 31%, normal 22%; shedding leaves 3%, 1983 4%, normal 4%; condition 5% poor, 37% fair, 51% good, 7% excellent. Spring wheat: Harvested 98%, 1983 97%, normal 77%, normal. Sunflowers: Dropping ray petals 70%, 1983 75%, normal 60%; bracts turning yellow 20%, 1983 43%, normal 34%. Potatoes: Harvested 11%, 1983 6%, normal 6%.

MISSISSIPPI: Temperatures slightly above normal, extremes 56 and 97°. Rainfall averaged about 0.10 in. in the north and 1.00 in the south. Greatest weekly total 3.71 in.

Soil moisture adequate. Fieldwork: 4.9 days suitable, 6.4 1983, 5.2 average. Main activities cutting milo and rice; preparing to harvest cotton and beans; and insect control measures. Soybean condition good; 96% blooming, 90% 1983, 100% average; 78% podding, 59% 1983, 83% average; 4% turning color, 4% 1983. Cotton fair; 22% open bolls, 26% 1983, 43% average. Rice fair; 93% headed, 93% 1983 and average; 4% harvested, 3% 1983, 8% average. Corn condition good; 20% harvested, 16% 1983, 22% average. Sorghum good; 10% harvested, 18% 1983 and average. Wheat planting 1% completed.

Hay harvest 78% completed, 86% 1983, 83% average. Watermelons 89% harvested; peaches 95%; corn 57%; and sorghum silage 46% harvested. Peanuts 32% harvested, 34% 1983, 19% average. Sweet potatoes 17% harvested, 15% 1983, 13% average. Pasture condition good to fair.

MISSOURI: Warm day week as temperatures averaged 7° above normal. Rainfall was very spotty with about 0.75 in. fall in over the Bootheel and less than 0.50 in. over southwest, while the rest of the State had less than 0.10 in.

Days suitable for fieldwork: 6.5. Soybeans blooming 96%, 98% last year, 89% normal. Soybeans setting pods 85%, 85% last year and 79% normal. Condition of soybeans 0% excellent, 8% good, 45% fair, 47% poor. Corn dent 89%, 81% last year, 75% normal. Corn mature 21%, 33% last year, 26% normal. Harvested 4%, 6% last year, 5% normal. Condition of corn 0% excellent, 12% good, 44% fair, 44% poor. Grain sorghum headed 94%, 89% last year, 88% normal. Mature 29%, 23% last year 23% normal. Sorghum condition 0% excellent, 36% good, 46% fair, 18% poor. Cotton with bolls opening 16%, 23% last year, 28% normal. Condition of cotton 7% excellent, 57% good, 29% fair, 7% poor. Alfalfa

hay 3rd cutting 73% this year, 68% last year, 77% normal. Condition of pasture 0% excellent, 1% good, 10% fair, 89% poor. Topsoil moisture supply 0% surplus, 3% adequate, 97% short.

MONTANA: Very warm first of week turning cooler in west at midweek, over remainder of State by end of week. Temperatures averaged 1 to 6° above normal. Precipitation widespread over most of States. Heaviest rains fell over west and southwest with amounts from 0.30 to 1.50 in. Northeast and southeast received less than 0.10 in.

Soil moisture short except in southwest. Fieldwork, days suitable: 6.3. Crops harvested compared with last year and average: Winter wheat 100, 95, 90; spring wheat 95, 95, 55; barley 90, 80, 60; oats 90, 90, 65; dry beans 5, 0, 0. Second cutting of alfalfa hay 80% complete, last year 70%, average 70%.

About 25% of cattle and 20% of sheep moved to winter pastures. Range feed and stockwater supplies short except in west. Livestock losses from fires minimal, but much winter grazing and some hay supplies lost, especially in the east.

NEBRASKA: Hot week ending with thundershowers. Rainfall 1.00 to 2.00 in. southeast, trace to 0.25 in. remainder of State. Average temperatures were 3 to 8° above normal.

Corn condition rated mostly good to fair, 92% in dough, 85% both last year and average. Corn dented 35%, 45% last year, 40% average. Soybeans turning color 8%, 10% last year, 15% average. Sorghum condition rated mostly fair to good. Heading at 93%, 100% both last year and average; 35% of crop turning color, 45% last year, 40% average. Winter wheat seeding 1%, 5% last year, 4% average. Alfalfa third cutting at 55%, 75% last year and average. Topsoil and subsoil moisture mostly short to adequate. Average days suitable for fieldwork was 6.9.

NEVADA: Temperatures averaged above normal all sections. Week started warm but strong cold front middle portion of period caused strong, gusty winds and heavy thundershowers. Temperatures rebounded end of week as sunny skies returned.

Rain slowed small grain and hay harvests most areas. Alfalfa seed and potato harvesting progressing. Range good to excellent and furnishing adequate grazing.

NEW ENGLAND: Precipitation averaged 0.25 in. in most of the six States. Vermont averaged closer to 1.00 in., and 1.78 in. fell in northern Maine. Temperatures near normal during the week, slightly below normal over the weekend, dropping to the 40's in northern sections early morning.

Driest August on record in many areas. Second crop hay 90% cut; third crop, 40% out. Potato harvest in full swing in southern areas with 40% dug. Field corn harvest uperway on a limited basis. Oats 20% harvested, tobacco 90% harvested, sweet corn 75% picked.

NEW JERSEY: Temperatures averaged 2° above normal. Extremes were 45° on the 28th and 91° on the 1st. Weekly rainfall averaged 0.31 in. north, 0.03 in. central, and 0.12 in. south. The heaviest 24-hour total was 0.84 in. on the 30th to 31st. Estimated soil moisture, in percent of field capacity, averaged 90% north, 56% central and 48% south. Four inch soil temperatures averaged 71° north, 74° central and 77° south.

Fieldwork: 6.0 days suitable. Summer vegetable harvest continues to decline. Irish potato digging increasing. Sweetpotato harvest

getting underway in some areas. Light peach harvest of mid to late season varieties continues. Harvest of some fall apples has started. Hay making continues. All crops benefited from recent rain.

NEW MEXICO: Average temperatures little above normal most locations. Minimum temperature: 34° northern mountains. Maximum temperature: 98° southeastern plains. No rainfall for week reported southeastern. Weekly rainfall totals less than 0.50 in. rest of States.

Soil moisture supplies short to adequate. Alfalfa fair to good condition. Third cutting nearing completion, fourth continues. Cotton fair to good. Corn fair to excellent: Silage cutting in progress. Wheat seeding in progress. Irrigated grain sorghum good to excellent, dryland fair to good. Pecans good to excellent; light to average drop. Apples fair to good; harvest expected to start this week. Chile fair to good; green chile harvest continues. Lettuce fair. Potato harvest virtually complete. Cattle fair to good, sheep good to excellent. Range fair to excellent; brush and weeds increasing due to rains. Cotton open bolls: 25%, last year 6%, average 11%.

NEW YORK: The week began on the cool side and the weather turned warm and humid by midweek. Cool weather and rain returned near the end of the week. Rainfall was variable, with heavy amounts north of the Mohawk Valley. Rainfall was light from the southern tier into the extreme southeast part of the State.

Oat harvest and hay cutting continues, but progress was delayed by the rains. Oat harvest advanced to 76% complete, compared to 82% last year and the average of 86%. Corn in good shape but more warm weather is needed. Second cutting alfalfa 85% complete, compared with 93% a year ago and the average of 90%. Third cutting alfalfa inched along to 19% complete, far behind the 37% a year ago and the average of 34%. Limited harvest of early onions underway in all areas of the State. Sweet corn harvest moving ahead rapidly. The apple crop remains in good condition with good size and color expected. Pickers in the western part of the State have finished Jersey Macs and have started harvesting Paul Reds and early Macs. Bartlett pear harvest underway.

NORTH CAROLINA: Temperatures averaged near normal in the mountain and piedmont regions. Coastal plain region varied from normal to 4° below. Precipitation was widely scattered and ranged from 0.00 to 2.03 in.

Soil moisture: 1% very short, 32% short, 64% adequate, 3% surplus. Days suitable for fieldwork: 5.8. Condition: Tobacco 21% fair, 69% good, 10% excellent. Corn 9% fair, 78% good, 13% excellent. Cotton 5% fair, 95% good. Peanuts 26% fair, 74% good. Soybeans 18% fair, 79% good, 3% excellent. Sweetpotatoes: 18% fair, 62% good. Apples 5% fair, 75% good, 20% excellent. Sorghum 17% fair, 80% good, 3% excellent. Phenological stages: Cotton open bolls: 19%, 1983 36%, 36% average. Corn soft-dough: 96%, 1983 99%, 98% average. Corn dent: 88%, 1983 96%, 93% average. Corn mature: 65%, 1983 78%, 77% average. Soybeans blooming: 88%, 1983 86%, 87% average. Soybeans setting pods: 72%, 1983 63%, 66% average. Harvest: Flue-cured tobacco: 77%, 1983 68%, 78% average. Burley tobacco 12%, 21% average. Corn for silage 38%, 1983 60%, 58% average. Corn for grain 8%, 1983 5%, 15% average. Major farm activities: Flue-cured and burley tobacco harvest, baling hay, corn grain and silage harvest, spraying crops, harvesting apples,

tomatoes and vegetables, planting fall vegetables and general farm maintenance

NORTH DAKOTA: First half of week was hot and dry with several stations reporting temperatures of 100 and above. A cold frontal passage midweek brought a rapid return to cooler, more seasonable temperatures as some mornings fell into the 30's. The southeast experienced some widespread light rains late in the week from a developing low pressure system over South Dakota. Temperatures averaged 3 to 5° above normal.

Extremes were 102° east central on the 28th and 34° west central on the 30th. Precipitation averaged zero to 0.05 north and west to around 0.25 south and east.

Row crops continue to be stressed by drought despite light rain and cooler temperatures. Corn crop showing most visible damage, sunflower showing good drought tolerance. Progress of all row crops being pushed well ahead of normal. Winter wheat and rye seeding and fall tillage delayed by hard, dry soils.

Percent of each row crop in very good, good, fair or poor condition was: Sunflower 0, 30, 67, 3; corn 1, 22, 59, 18; soybeans 0, 92, 8, 0; potatoes 0, 24, 76, 0; and dry beans 0, 39, 61, 0. Percent of each crop harvested vs. average: Flax 44, 21; dry beans 22, 4; potatoes 7, 3.

Harvest of hard red spring wheat, durum and oats being concluded ahead of earliest date on record and at least two weeks ahead of normal. Percent combined vs. last year and average: Hard red spring 96, 92, 70; durum 95, 86, 57; and oats 98, 96, 80.

OHIO: Temperatures 2 to 5° above normal. Lows upper 40's to mid 50's; highs upper 80's to mid 90's. Precipitation widespread but variable ranging from 0.10 to 0.33 in. south to 1.00 to 2.00 in. north.

Fieldwork: 6.0 days suitable. Soil moisture 60% short, 40% adequate. Main activities: Harvesting hay, tomatoes, silage, potatoes. Crop conditions fair to mostly good. Soybeans 100% blooming 1984, 1983 and average; 100% setting pods 1984, 1983, and average; 75% pods set 1984, 1983 and average; leaves turning 15% 1984, 1983, average. Corn dough 90% 1984, 95% 1983, 90% average; dent 50% 1984, 60% 1983, 50% average; mature 5% 1984, 1983, 10% average.

OKLAHOMA: Temperatures averaged 5° above normal southeast to 8° above normal northeast. Precipitation averaged 0.15 in. west central to 0.90 in. central.

Hot temperatures caused crop stress and cattle discomfort. Good general rains fell during weekend central and east. Cotton burning in parts of southwest. Spraying initiated on cotton to counteract bollworm activity. Sorghum severely stressed Panhandle. Pastures deteriorating as under 20% of counties reporting adequate forage. Livestock marketing increased over last week. Ponds low and some cattle supplement fed. Cotton and sorghum fair, pastures poor to fair condition. Cotton open bolls: 3%; 0%, 1983; 5%, average. Sorghum headed: 97%; 95%, 1983; 95%, average. Sorghum turning color: 55%; 40%, 1983; 65%, average.

OREGON: Rain on 30th and 31st in all areas of State. In south central and northeastern areas over 0.80 in.; remainder of State less than 0.40 in. Temperatures 2 to 3° above normal.

Winter wheat all harvested except at high elevations in northeast and south central areas. The rain slowed haying in many areas. Corn silage harvest this week in Malheur County and Hermiston area. Mint harvest nearly complete. Willamette Valley: Red clover seed

harvest beginning; grass seed harvest complete; harvest of sugarbeets for seed and hops continues; sugarbeet seed planting near complete. Hood River Valley Bartlett pear harvest in full swing; yields down but fruit size and quality good. Douglas County pear picking underway. Wasco County Gravenstein apple picking; peach picking soon. Willamette Valley: Veteran and Suncrest peach picking, early varieties about finished; filberts maturing normally; prunes ripening normally, light crop; picking Evergreen blackberries. Cranberries growing well at coast. Potato harvesting in Hermiston-Boardman area and Malheur County. Norgold harvest to begin in central areas next week. All Willamette Valley fresh market vegetables being harvested. Snap beans for processing nearly all harvested. Sweet corn for processing harvest underway in Willamette Valley, nearly complete in Malheur County. Onion pulling in both regions. Rangeland in good condition at high elevations of east; very dry in west and at low elevations. Livestock in mostly good condition.

PENNSYLVANIA: Early in the week weather was clear, midweek was warmer and more humid. On 30th showers and thunderstorms occurred across the State, with high winds, moderate to heavy rainfall, and some small hail. The end of the week was partly sunny and somewhat cooler. Average mean temperature statewide was 69°, 3° above normal, and average precipitation was 0.45 in. below normal.

Days suitable: 5.0. Moisture mostly adequate to surplus. Activities: Plowing; baling straw; seeding wheat, rye and alfalfa; making hay; harvesting tobacco, corn silage, green chop, apples, peaches, potatoes, tomatoes, sweet corn, snap beans, watermelon, cantaloupe, and peppers. Tobacco 53% harvested, last year 26%. Potatoes 28% harvested, last year 41%. Corn silage less than 5% harvested, last year 12%. Corn for grain 77% in dough or past, 25% dented and less than 5% mature; last year 82% in dough or past, 24% dented and less than 5% mature; average 82% in dough or past, 31% dented and less than 5% mature. Fall plowing 28% complete; last year 31%; average 33%. Barley 7% planted, last year 5%. Wheat 7% planted, last year less than 5%. Second crop alfalfa 93% harvested, last year virtually complete. Third crop alfalfa 53% harvested, the same as last year. Second cutting CLO-TIM 83% harvested, last year 86% harvested. Quality of hay made mostly fair to good. Feed from pastures mostly average to above average.

PUERTO RICO: Island average rainfall 2.09 in. or 0.33 in. above normal. Highest weekly total 8.95 in. Highest 24° hour total 6.90 in. Temperature averaged about 81 to 80° on coasts and 79 to 76° interior divisions. Mean station temperature ranged from 68.4 to 84.2°. Extremes 62 and 95°.

SOUTH CAROLINA: Weather was cool for late August. Temperatures edged upward by weekend. Scattered thunderstorms occurred early week, scattered activity later. No significant rainfall for most of State.

Soil moisture short to adequate. Days available for fieldwork: 5.9. Corn condition good; 90% mature, 96% last year, 94% average; 35% harvested, 38% last year, 46% average. Cotton condition good: 15% open bolls, 62% last year, 55% average. Soybean condition good: 95% blooming, 94% last year, 95% average; 79% setting pods, 69% last year, 79% average; 1% leaves turning. Tobacco condition good: 95% harvested, 85% last year, 91% average; 34%

stalks destroyed, 16% last year. Apple condition excellent: 40% harvested, 22% last year, 37% average. Grape harvest continues, condition good to excellent. Fall hay harvested continues, condition good.

SOUTH DAKOTA: Average temperatures were 5° above normal. Extremes: 105 and 35°. Precipitation was below normal over most of the State.

Days suitable for fieldwork: 6.0 Topsoil moisture short and critically short over most of the State. Adequate supplies scattered east. Subsoil moisture short west and north, mostly adequate east and south. Stress on row crops showing due to dry conditions. Greenbugs and grasshoppers eating on crops. Range and pastures, good condition central, east central and southeast; fair across remainder of State. Livestock good condition; some supplemental feeding in west due to poor pasture condition. Spring wheat harvested 100%, 1983 100%, average 98%. Sorghum headed 93%, 1983 89%, average 93%. Sorghum turning color 44%, 1983 43%, average 42%. Corn dough 70%, 1983 76%, average 80%. Corn dent 40%, 1983 47%, average 45%. Corn mature 9%, 1983 15%, average 12%.

TENNESSEE: A high pressure system dominated the State's weather pattern most of the week but by weekend a weak cold front moved in. Rainfall occurred on the 28th and 30th. Heavy showers were received locally in some areas but rainfall was mostly below normal. Temperatures ranged from near normal in the east to 3 to 5° above normal in the west. Average temperatures were in the lower 70's in the northeast and in the low 80's over the west.

Farmers averaged 5.5 days suitable for fieldwork. Soil moisture levels: 4% surplus, 56% adequate, 40% short. Corn: dent 90%, 1983 90%, average 92%; mature 30%, 1983 30%, average 33%; harvested 4%, 1983 4%, average 4%. Cotton open bolls 9%, 1983 20%, average 15%. Soybeans setting pods 84%, 1983 87%, average 89%. Tobacco harvested: Burley 39%, 1983 37%, average 47%; dark-fired 43%, 1983 23%, average 41%; air-cured 40%, 1983 24%, average 42%. Pastures and livestock remain in good condition.

TEXAS: Skies clear first part week, midweek, upper air disturbance brought widely scattered showers and thunderstorms Panhandle, western portions North Texas. Rainfall amounts were meager. End week, upper air trough brought widely scattered, heavy thunderstorms portions north and central Texas. Early week, temperatures 90's and 100's, cloudiness and rain brought cooling trend latter half of the week. Most State drier than usual for the week, except south central Texas, Uper Coast, above normal.

Crops: Relatively hot, dry conditions much of week most areas. Southern High Plains, rain, some hail fell, causing minor damage scattered areas. Rain Cross Timbers helping rangeland condition improve slightly. Land preparation small grains began many areas. Spraying insects continues Plains. Livestock marketings continue steady, lack grazing and water many areas. Cotton progress well Plains. Boll sets good. Insect populations stabilize; however, still big problem many areas. Where rainfall received Low Plains, Cross Timbers, crop fair, but other areas where moisture limited, crop poor. Harvesting continues East Texas, yields better than expected. Harvest continues Central Texas. Stalk destruction Rio Grande Valley. Current condition 72% of normal compared with 61% a year ago. About 5% excellent, 56% good, 23% fair, 12% poor and 4% failure. Grain Sorghum continues turn color High Plains,

spraying continues for headworms, green bugs. Currently, crop looks good in area. Harvest began winding down Blacklands with widely ranging yields. Current reported condition 67% of normal compared with 65% a year ago. Reported conditions 6% excellent, 39% good, 38% fair, 12% poor and 5% failure. Corn drying rapidly under hot temperatures Plains. Crop looks good currently. Low Plains crop still poor due dry weather. Current condition at 67% of normal compared with 80% a year ago. About 5% excellent, 41% good, 36% fair, 16% poor and 2% failure. Peanuts look good Plains after recent moisture. Dryland peanuts still stressed most of State. Spraying leaf spot continues some areas. Good general rain greatly benefit crop. Soybeans progressing well, pod setting continues Plains. Some minor infestations podworms. Harvest underway along Upper Coast, yields better than expected. Rice harvest first crop virtually complete, few fields still remaining. Average yields reported. Regrowth second cutting begun to head.

Cotton setting bolls 97% 1984, 100% 1983, 99% average; open bolls 14% 1984, 14% 1983, 21% average; harvested 10% 1984, 9% 1983, 10% average. Rice harvested 92% 1984, 85% 1983, 94% average. Sorghum headed 94% 1984, 95% 1983, 97% average, turning color 74% 1984, 73% 1983, 76% average; mature 63% 1984, 57% 1983, 67% average; harvested for grain 62% 1984, 55% 1983, 63% average. Wheat planted all purposes 1% 1984, 0% 1983, 4% average. Corn harvested for grain 56% 1984, 47% 1983, 41% average. Peanuts harvested 0% 1984, 0% 1983, 8% average. Soybeans harvest 3% 1984.

Commercial Vegetables: Rio Grande Valley, land preparation fall vegetables continues. Peppers celery tomatoes progressing well under irrigation. Citrus grove rehabilitation remains slow. Producers remain undecided as to the fate of groves. Plains, carrot harvesting picked up, good supplies reported. Onion, potato harvest winding down. Harvest cabbage, cucumbers, melons continues. Trans-Pecos, land preparation continues onions, cabbage. Good crop peppers reported. East Texas, sweetpotato harvest continues scattered areas. Where moisture received early, yields should be good. Dry soil conditions limited fall land preparation. Pecans continue mostly fair to poor statewide. High Plains, good conditions exist, good prospects present. Elsewhere, heavier than normal drop continues, insects, dry conditions.

Range and Livestock: Range, pasture conditions declining many areas State. Plains, ranges look good; water sources beginning to decline. Liquidation herds continues almost statewide. Prices steady. Producers short of hay this year, baling maize stalks to supplement limited supplies. Tank water short. Livestock remained fair to good condition.

UTAH: Scattered thunderstorms first part of week. Accumulations generally light to moderate over mountainous areas and southeast, light rest of State. Maximum temperatures 20° above normal, ranging 40° below to 80° above. Minimums 40° above normal, ranging 20° below to 90° above.

Nearly 6.0 days available for fieldwork last week. Remaining 2nd crop alfalfa hay removed from field, value cut in half. Some damage to 3rd crop coming on. Winter wheat harvest resumed--only about 17% remains unharvested. Barley 73% harvested, spring wheat 66%, oats 53%. Tomato harvest about 2 weeks late. Sweet corn and snap bean harvest 40 to 48% complete. Harvest of peaches in progress. Most field crop yield average to slightly below.

VIRGINIA: Near normal temperatures for period with extremes from 97 to 46°. Precipitation varied from over 1.00 in. in western sections to less than 0.20 in. most other locations.

For the second week in a row, dry weather was prevalent across State with days suitable for fieldwork averaging 5.0. Topsoil moisture ratings were 33% short, 59% adequate, 8% surplus. Corn condition good to excellent although development continues a lag with 89% in or beyond dough, 92% last year, 94% average. Corn 70% in or beyond dent, 72% last year, 78% average. Corn 40% mature, 48% last year, 55% average. Harvest delayed because of previous rain with 37% of silage and 6% of grain corn harvested. Soybeans good to excellent with 98% in bloom stage or beyond, 88% last year. Soybeans setting pods 77%, 71% last year. Insect and disease spraying continues--corn earworms presenting problems. Tobacco rated good to excellent. Flue-cured tobacco harvest 48% complete, 44% last year and 58% average. Fire-cured tobacco harvest 64% complete, 54% last year and 61% average. Sun-cured tobacco 62% complete, 36% last year, 50% average. Burley tobacco harvest 17% complete, 13% last year, 33% average. Peanuts in good to excellent condition. Scouting and spraying reported on regular basis for disease control. Peach harvest 94% complete, 84% last year. Apple harvest 21% complete, 11% last year, 11% average. Pasture and hay fields good to excellent with numerous multiple cuttings reported. Weather aiding hay making efforts. Sweet potato harvest just beginning. Livestock condition good to excellent with cattle and feeder cattle marketing increasing.

WASHINGTON: A large high pressure system centered about 2,000 miles west of the Oregon-California border was the dominating system through most of the week. The high extended northeast into British Columbia through most of 26th, but a weak front reached northwest Washington late in the day and produced some rain west of the Cascades 26th and 27th. The high intensified after the front crossed the State only to recede again late 30th as another front approached. Rain accompanied this front to the west of the Cascades and over the southeast corner of the State where measurements of 0.25 to 0.50 were reported.

Planting of winter wheat started in dryland areas. The percent of winter wheat harvested statewide at 95%. Average yields look good. Spring wheat harvest over three-quarters complete, ranges from 70% Kittitas County to 100% Grain County. Barley harvest ranges from 80% Stevens County to nearly 100% complete in most of the southeast counties. Third cutting alfalfa continues. Second cutting of timothy hay continues. Bartlett pear harvest complete earlier areas, O'Anjou pear harvest will begin next week, Red Delicious apples will be harvested after Labor Day. Apple and pear crops in Franklin County damaged by high winds on 27th. Blueberry harvest nearing completion. Grapes beginning to ripen. Harvest of potatoes, carrots, onions and corn continues. Green pea harvest nearing completion. Dry pea harvest nearly complete; however, some fields in Whitman County still being harvested. Vegetable seed harvest continues. Pastures remain adequate several areas reporting short conditions.

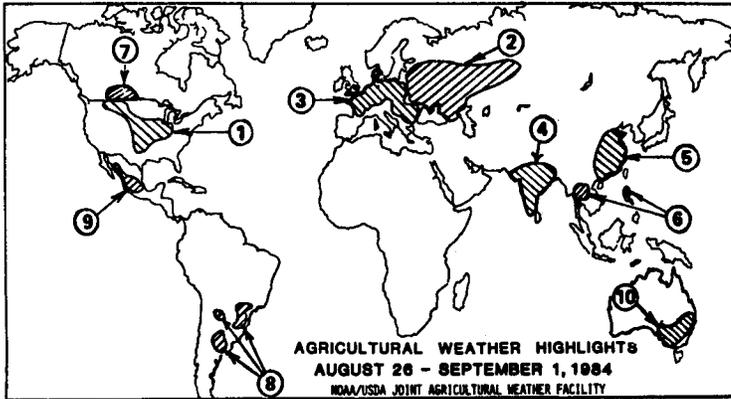
WEST VIRGINIA: Temperatures averaged from normal to 2 degrees above normal. High of 92° in Burlington and Charles Town. Low of 39° in Canaan Valley. Precipitation a little above normal in north central, normal or a little

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International Weather and Crop Summary

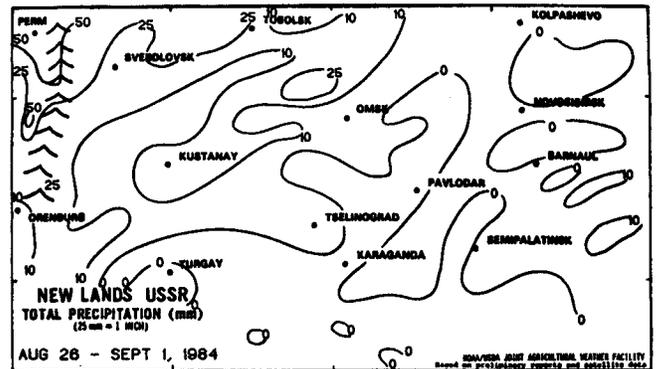
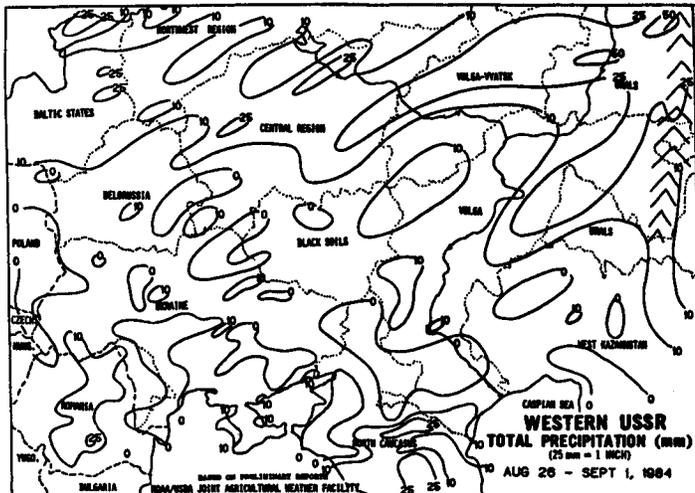
Aug. 26 to Sept. 1

AUGUST 26 - SEPTEMBER 1, 1984



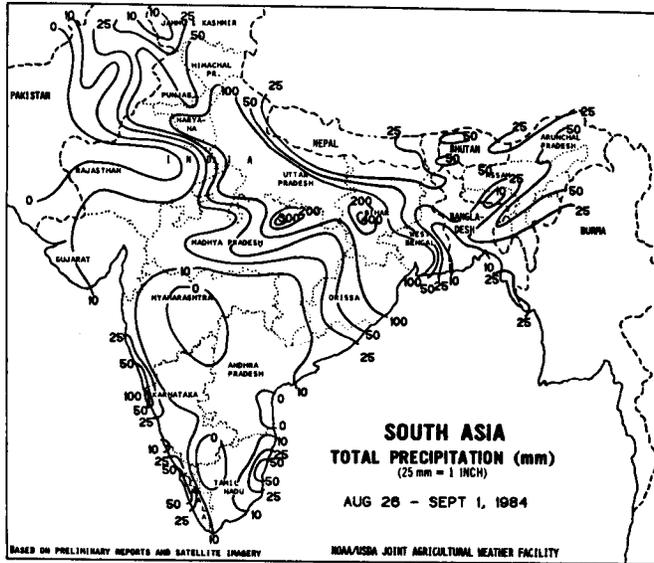
HIGHLIGHTS:

1. UNITED STATES ... Hot, dry weather over most of the Great Plains and Corn Belt advances corn and sorghum maturation, but stresses soybeans. Rains finally arrive over the Montana forest fires.
2. USSR ... Mostly favorable harvest weather continues. Reports indicate 65 percent of the total grain is harvested.
3. EUROPE ... Generally favorable weather covers most areas, favoring corn maturation and aiding small grain harvest.
4. SOUTH ASIA ... Unfavorable dry weather continues for southern cotton and groundnuts. Moisture is adequate for most rice.
5. EASTERN ASIA ... Drier weather favors maturing crops in the North China Plain. Increasing rain in the south benefits late rice in the filling stage.
6. SOUTHEAST ASIA ... Moderate rain benefits Thai rice, while dry weather favors corn harvesting. Tropical Storm June crosses the northern Philippines, possibly damaging some crops.
7. CANADA ... Mostly dry, cooler weather aids crop harvests over most of the Prairie grain belt. Some showers slow harvesting in western areas. Harvests are nearly complete in the south. Sub-freezing minimum temperatures occur late in the week over scattered locations.
8. SOUTH AMERICA ... Warmer weather returns to Brazil and Argentina following the early week frost which caused some damage to the 1985 coffee flower buds and possibly to Brazil's wheat. Dry weather persists over Argentina's western wheat.
9. MEXICO ... Excessive rains may hurt some west coast soybeans, while dryness stresses southern Plateau corn and dry beans.
10. AUSTRALIA ... Dry, mild weather in the northern half of the grain belt aids vigorous wheat growth as the crop approaches the heading stage. Light showers and mild weather provides favorable growing conditions for the late sown crop across the south.

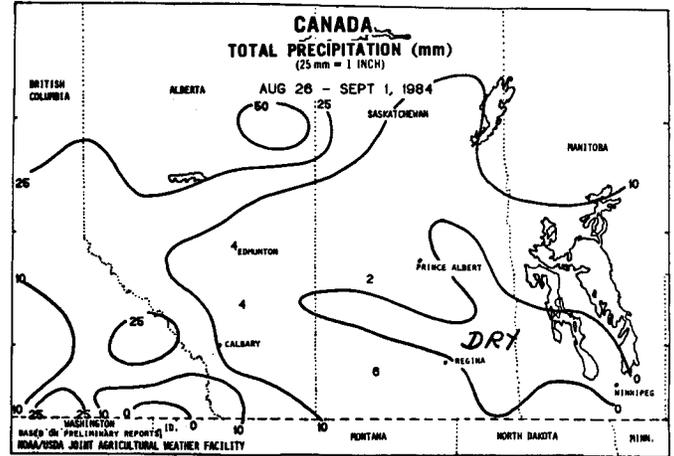


USSR...Mostly favorable harvest weather continued for Western USSR crops. However, the northeastern crop area in the eastern Central Region, Volga Vyatsk, and northern Urals received moderate amounts of rain (25-50 mm). The wet weather in the northeast delayed the spring grain harvest and winter grain planting. Unseasonably cold air pushed southward into crop areas of Western USSR, producing some light, scattered nightly frosts as far south as the northern Ukraine. Overall, the impact of the cold weather on northern crops was minimal because most crops are mature. However, southern corn and sunflowers are still maturing, and the cold weather will slow maturation. Fieldwork in preparation for winter grain planting continued in the south under favorably dry weather.

In the New Lands, harvest conditions continued generally favorable, as dry weather covered most areas. Light showers fell in a northeastward band, extending from Orenburg through Kustanay into crop areas around Tobolsk, creating only minor harvest delays. Unseasonably warm, dry weather for eastern spring wheat was highly beneficial, promoting grain maturity and aiding the harvest. Reports indicate that as of August 27, the total USSR grain crop is harvested on about 65 percent of the fields.



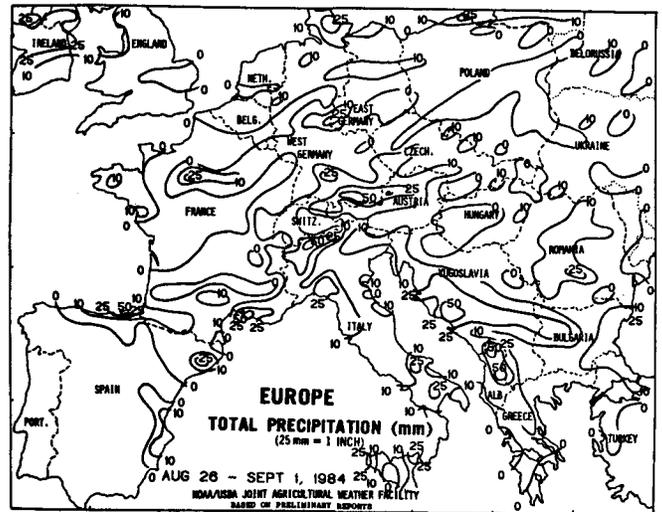
SOUTH ASIA... Persistent dryness in interior peninsular India has been unfavorable for crops in the reproductive stage. However, temperatures in the south averaged near normal. Below-normal rain in Myaharashtra, Andhra Pradesh, Karnataka, and Tamil Nadu has been unfavorable for cotton and groundnuts entering the flowering and pod formation stages, respectively. However, the last several weeks' rain in Gujarat and western Madhya Pradesh favored cotton and groundnuts. Below-normal rain along the western coast supplied adequate moisture for autumn rice in the filling stage. A recent precipitation increase in the north favored autumn rice in Uttar Pradesh. Heavy rain in the winter rice region caused some flooding, but the moisture was mostly beneficial for rice in the vegetative stage.



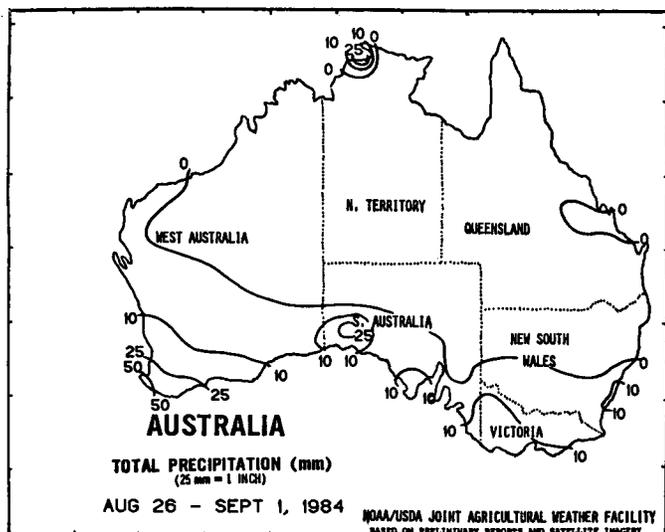
CANADA... Dry weather over most of the Prairie grain belt aided crop harvests. Saskatchewan's crop acreage is over 80 percent combined, with harvest activity in the southern two-thirds of the province nearly completed. Alberta's harvest is about 60 percent complete, but showers in the western and northern portions of Alberta's grain area slowed harvesting. Some lodging of mature crops may also cause harvest difficulty in the northwest. In contrast, Alberta's southern crop harvest is nearly complete. Cooler weather in late August brought sub-freezing minimum temperatures to scattered locations across the grain belt, alleviating heat stress on maturing crops throughout the region.



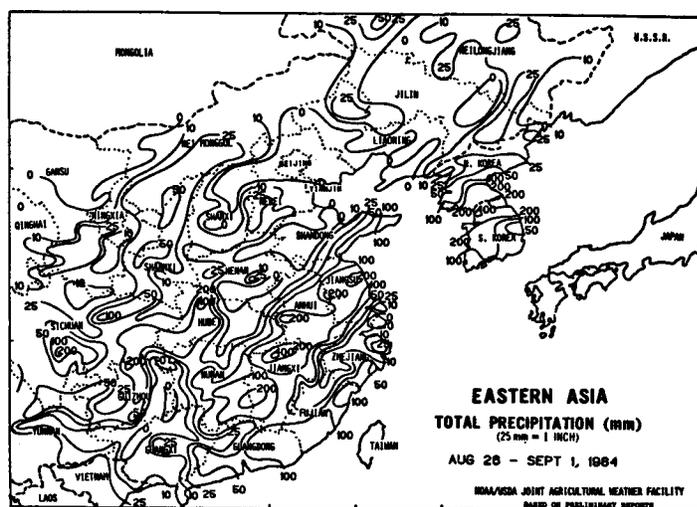
MEXICO... Contrasting weather covered Mexico; it was too dry in the northeast and too wet in parts of the west coast farming areas. Hot, dry weather stressed livestock, rangeland vegetation, and nonirrigated orchards from Tamaulipas into the state of Chihuahua. In contrast, heavy rains doused a considerable amount of the Sinaloa and Sonora soybeans, possibly unfavorable for some of the crop. Only light rains dotted most of the southern Plateau corn belt. Soil moisture probably continues unfavorably short across parts of this area, stressing late maturing corn and dry beans. It was wet over much of Central America as tropical activity resumed.



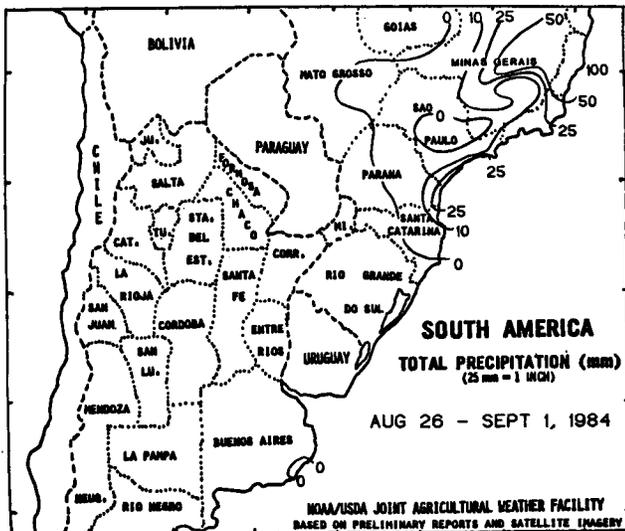
EUROPE... Generally light precipitation covered crops in France and much of northern Europe, creating few harvest delays. Winter grain planting is normally just beginning in these areas; and rain is needed, particularly in England and Poland, to replenish topsoil moisture required for germination. Showers in northern Italy and western Yugoslavia continued in an above normal precipitation pattern. The wet weather in these areas has been unfavorable for maturing corn and is likely delaying the small grain harvest. In Czechoslovakia, Hungary, and Romania, widely scattered showers caused few harvest delays. Temperatures were above normal across the northwestern half of the region, but were below normal in the southeastern portion.



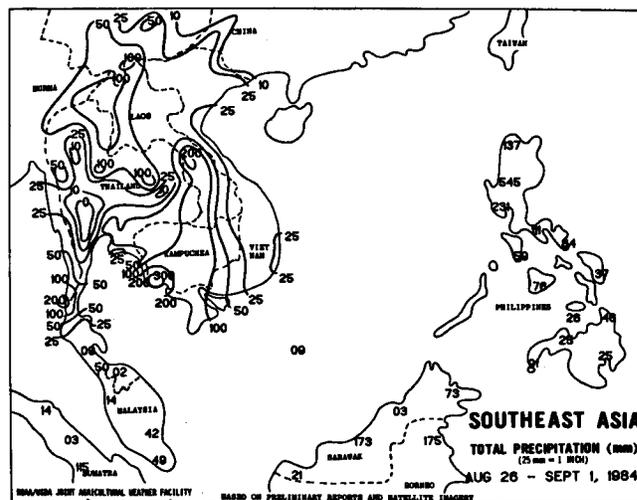
AUSTRALIA...Recent dry, mild weather aided vigorous wheat growth in southeastern Queensland and northern New South Wales. The crop approaches the heading stage in this area, but some early season wheat in south-central Queensland is maturing. Periodic light showers across the remainder of Australia's wheat belt provided favorable growing conditions for wheat and barley. The range of crop development varies from tillering and jointing of the delayed sown crop, to booting of the earlier sown crop. Generally mild weather promoted vegetative growth, improving the potential of the winter sown crops planted very late in the season. The weather during the next two months will play a key role in final yield prospects.



EASTERN ASIA...Recent drier and warmer weather in Henan and Shandong was favorable for cotton in the open boll stage, and early corn and soybeans which are maturing. Soil moisture is adequate in much of the North China Plain for late corn and soybeans in the filling stages. Increased rain in Liaoning and Jilin slightly improved conditions for corn in the late filling stage, but earlier dryness stressed the crop during the reproductive and early filling stages. Favorable moisture in Heilongjiang continued for soybeans through the reproductive and filling stages, but dry weather is needed now for maturation. Precipitation increased during the last several weeks in the south, favoring late rice in the filling stage, but drier weather in Jiangsu would benefit maturing intermediate rice and cotton harvesting. Heavy rain in Korea caused flooding and likely damaged rice in the filling stage.



SOUTH AMERICA...Recent dry weather covered most crops in Argentina and southern Brazil. Warmer weather returned following the cold wave in late August which pushed into Parana, Brazil's southern most coffee-producing state. Sub-freezing minimum temperatures as far north as northern Parana caused some damage to the 1985 coffee crop's flower buds, but the severity of frost damage is still uncertain. Wheat, which ranges from heading to grain filling in southern Brazil, may also have been damaged by frost. In Argentina, unfavorably dry weather persists for western wheat in Cordoba. While the recent cold weather kept moisture needs at a minimum during the vegetative growth period, warmer spring weather will increase the urgency for rain.



SOUTHEAST ASIA...Moderate to heavy rain benefited rice in much of Kampuchea and southern Laos. Relatively drier weather occurred over Vietnam. Moderate rain favored most Thai rice in recent weeks. Seasonal rain continued in northern and eastern Thailand, benefiting rice in the filling stage. Most of the south-central rice received adequate rain, however, dry weather may have affected the western portion of this area. Dry weather in central Thailand has been favorable for corn harvesting. Recent heavy rain in the northern Philippines from Tropical Storm June may have damaged cotton, corn, and tobacco in northern Luzon. Lighter rain was beneficial for the central and southern islands.



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**WEEKLY NEWS BULLETIN
SECOND CLASS**

(Continued from p. 24)
below normal in remaining portions of the State. Most rainfall in Green Bank 3.01 in., various areas reporting no precipitation.

Soil moisture adequate to short. Days suitable for fieldwork 4.8. Main activities: Harvesting hay, harvesting gardens and general maintenance.

WISCONSIN: Temperatures averaged above normal statewide with the hottest recordings of the summer. The week as a whole found the most widespread and heaviest rainfall over the northeast half, while the southwest quarter remained quite dry with excessive heat on the 28th, 29th and the 1st. Rainfall ranged from between 0.20 to 2.00 in.

Corn and soybeans were stressed in the southern section especially in light soils and on knolls due to dryness. Pastures were drying up over much of the State. Second haying was 89% complete, 92% last year, 95% average. Third haying was 32% complete, 26% last year and a 24% average. Some were taking a 4th cutting. Corn acreage in dough stage or beyond was 75%, last year 75%, average of 77%. Corn dented was 35%, 45% last year and an average of 38%. Oat acreage was 98% harvested, 100% last year and 94% average. Yields were good.

WYOMING: Temperatures above normal. Below normal precipitation.

Topsoil moisture adequate 50% State. Days suitable for fieldwork: 7.0. Winter wheat harvest wind-up stages. Barley 80% harvested, last year 64% harvested. Spring wheat 75% harvested, last year 54% harvested. Oats 45% harvested, last year 49% harvested. Alfalfa,

second cutting 70% complete. Other hay harvest 85% complete. Corn: 35% dough, 15% dented. Dry beans: leaves turning color 70%; windrowed 10%. Winter wheat seeded, 20%. Fall grazing mostly good. Ranges and pastures fair to good condition. Livestock mostly good condition.

(continued from p. 12)
was winding down in the Texas Blacklands as the month ended.

Winter wheat harvesting was complete, except in the Northwest where combining was finishing at the beginning of September. Plowing for the 1985 crop became more widespread, but dry conditions delayed progress across most of the Great Plains. Seeding of the 1985 crop started on a limited basis, with 1 percent or less planted in most of the major producing States. Hot, dry weather advanced spring wheat maturity, and promoted rapid harvesting in most areas. In the 5 major producing States, spring wheat was 95 percent harvested by September 2, 2 points ahead of last year's rapid progress, and well ahead of the 72 percent average. Combining was finished in South Dakota. Progress was ahead of schedule in all States, except Idaho where only 58 percent of the crop was combined, compared with the 62 percent average.

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