

WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration, National Weather Service

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service and World Agricultural Outlook Board

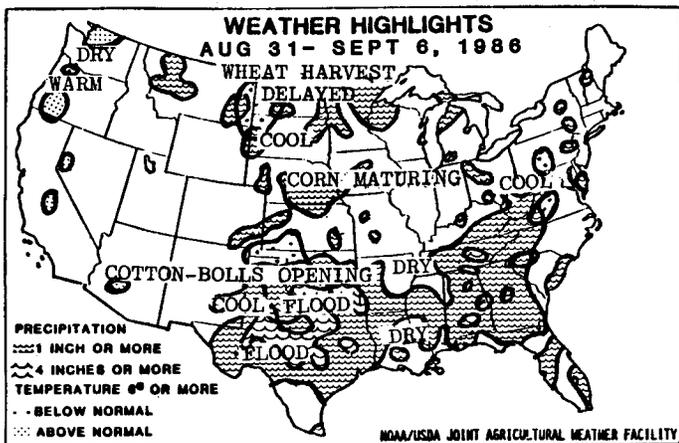
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National Weather Summary

August 31 to September 6, 1986



across northern Louisiana and in parts of the Southeast. Cooler air pushed through the Plains, but warm temperatures persisted in the Midwest.

WEDNESDAY...Cool air pushed slowly from the Rockies into the central and northern Plains. Thunderstorms covered nearly all of eastern United States ahead of the cool air. Severe flooding was a problem in parts of western and central Texas. Heavy thunderstorms were isolated across the Southeast. Only the Northeast coastal area had showers.

THURSDAY...Thunderstorms were widespread through Texas and Oklahoma, across the South, along the Appalachians, and from Nebraska into Montana. Violent storms again drenched parts of west central Texas, north central Texas, southern Oklahoma, and some areas of the Appalachian region. Relatively warm air hung over the Midwest.

FRIDAY...Showers and thunderstorms covered the Plains, the South, and the East Coast States. More heavy showers in central Texas spread northeastward into Louisiana and Arkansas. Strong thunderstorms spread heavy showers in Nebraska and parts of the Dakotas. Cool air covered the northern Plains, the Great Lakes region, and most of the East Coast States.

SATURDAY...Thunderstorms were widespread through the southern Plains and into Louisiana, in Florida, and from the central Plains through the Great Lakes region to western New York and Pennsylvania. Heavy showers again drenched parts of central Texas. Cool air spread into the central Plains and across the lower Great Lakes region to the central and northern Appalachians.

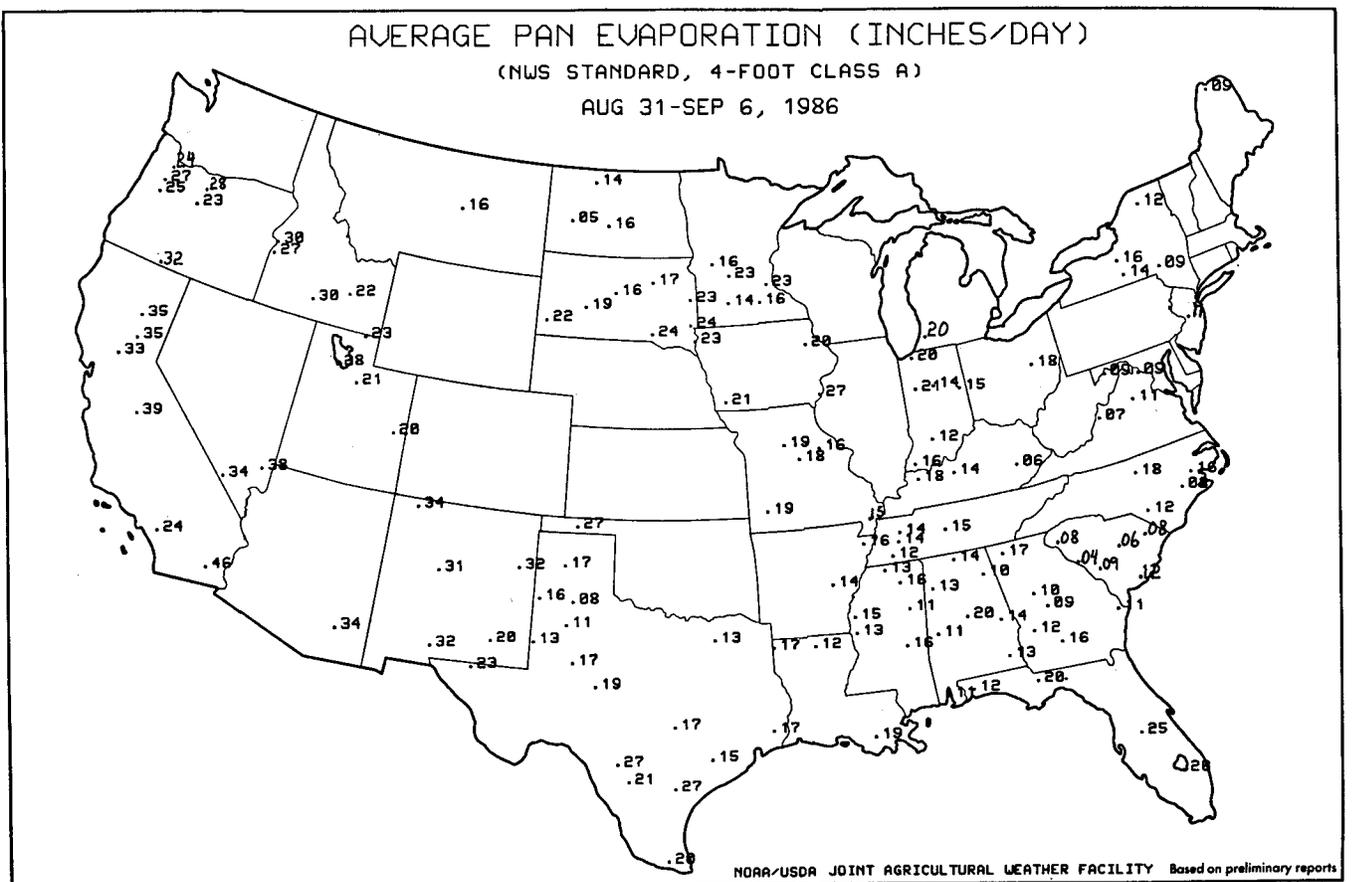
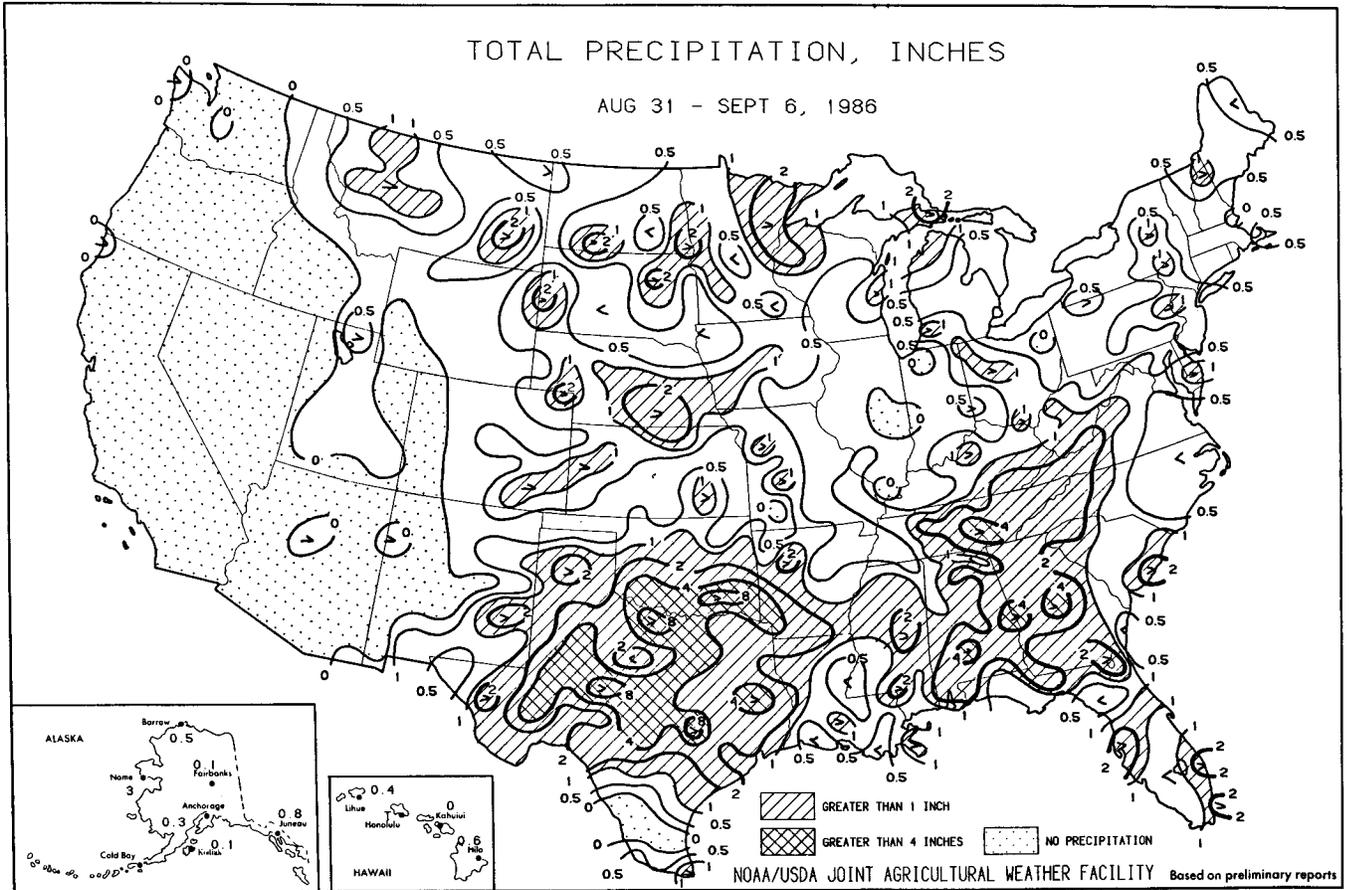
HIGHLIGHTS: Deluges of heavy rain drenched much of Texas, causing severe local flooding. The heavy rain reached into southern Oklahoma and across northern Louisiana and southern Arkansas. Heavy showers also fell from much of Alabama and Georgia to the central Appalachians. Scattered thunderstorms produced some moderate rain in the central and northern Great Plains, but most of the Midwest got only light showers. Most of the Nation was cooler than normal with the coolest areas being the northern Plains, the western part of the central and southern Plains, and through the Appalachians. The far West was warmer than normal.

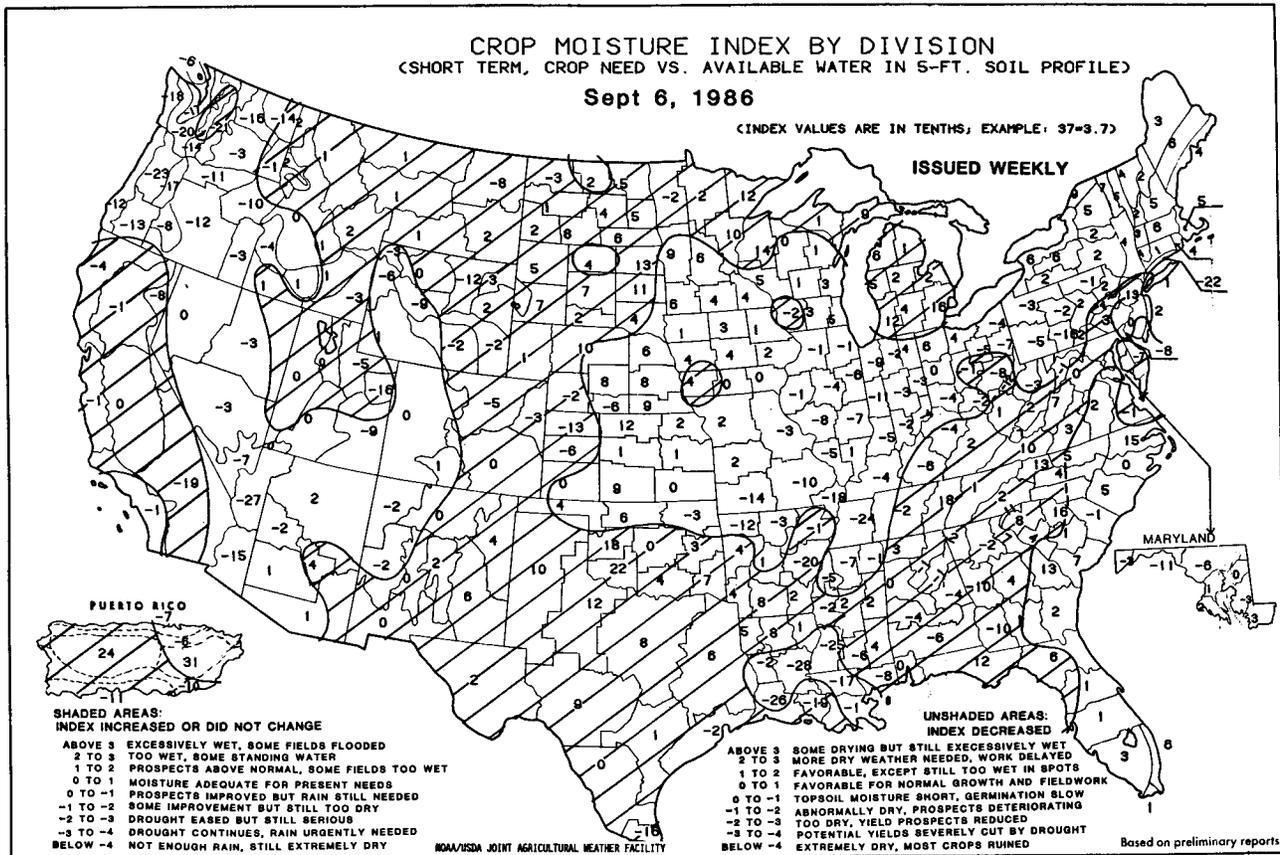
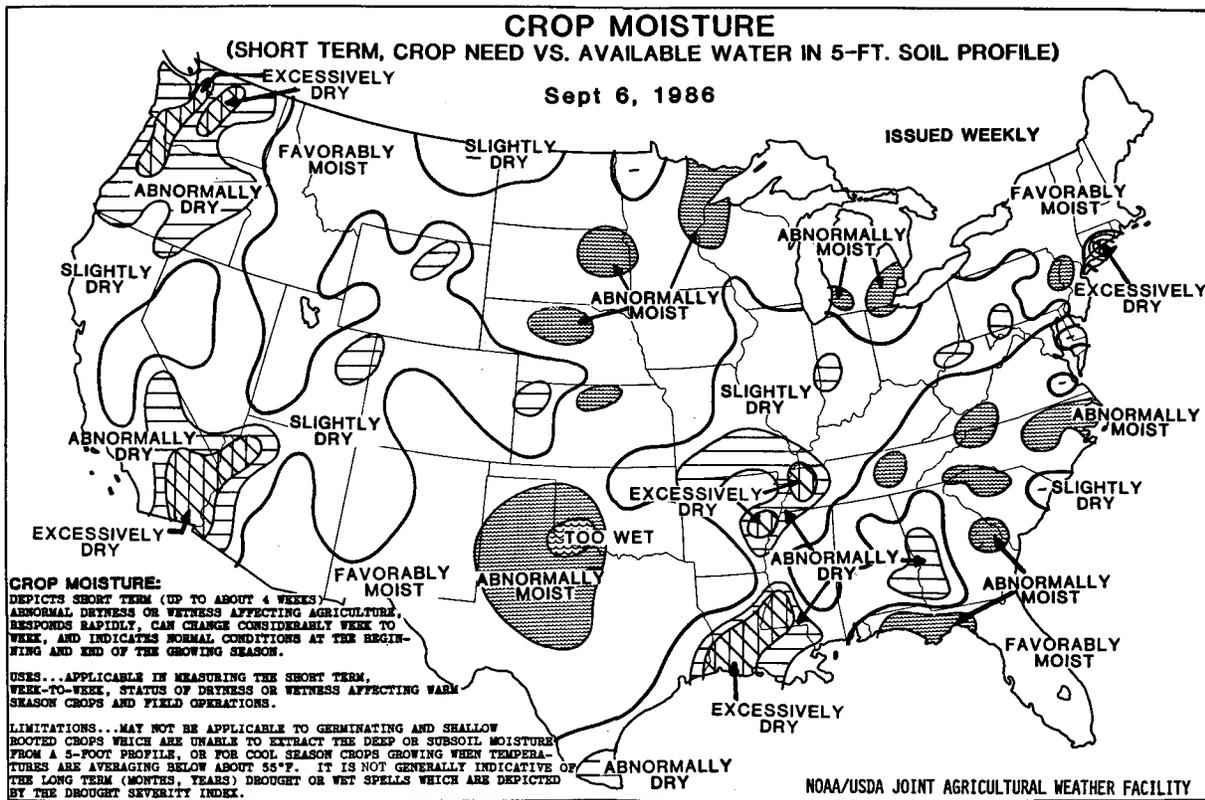
SUNDAY...Thunderstorms were widespread through the Great Plains, the Rockies, and the central and southern Plateau. Heavy showers fell in parts of central and north central Texas and adjacent parts of Oklahoma. Thundershowers were also found from the Carolinas and the Southeast through the Tennessee Valley. The weather was still quite cool east of the Mississippi Valley, but it warmed rapidly from the central Mississippi Valley into Wyoming.

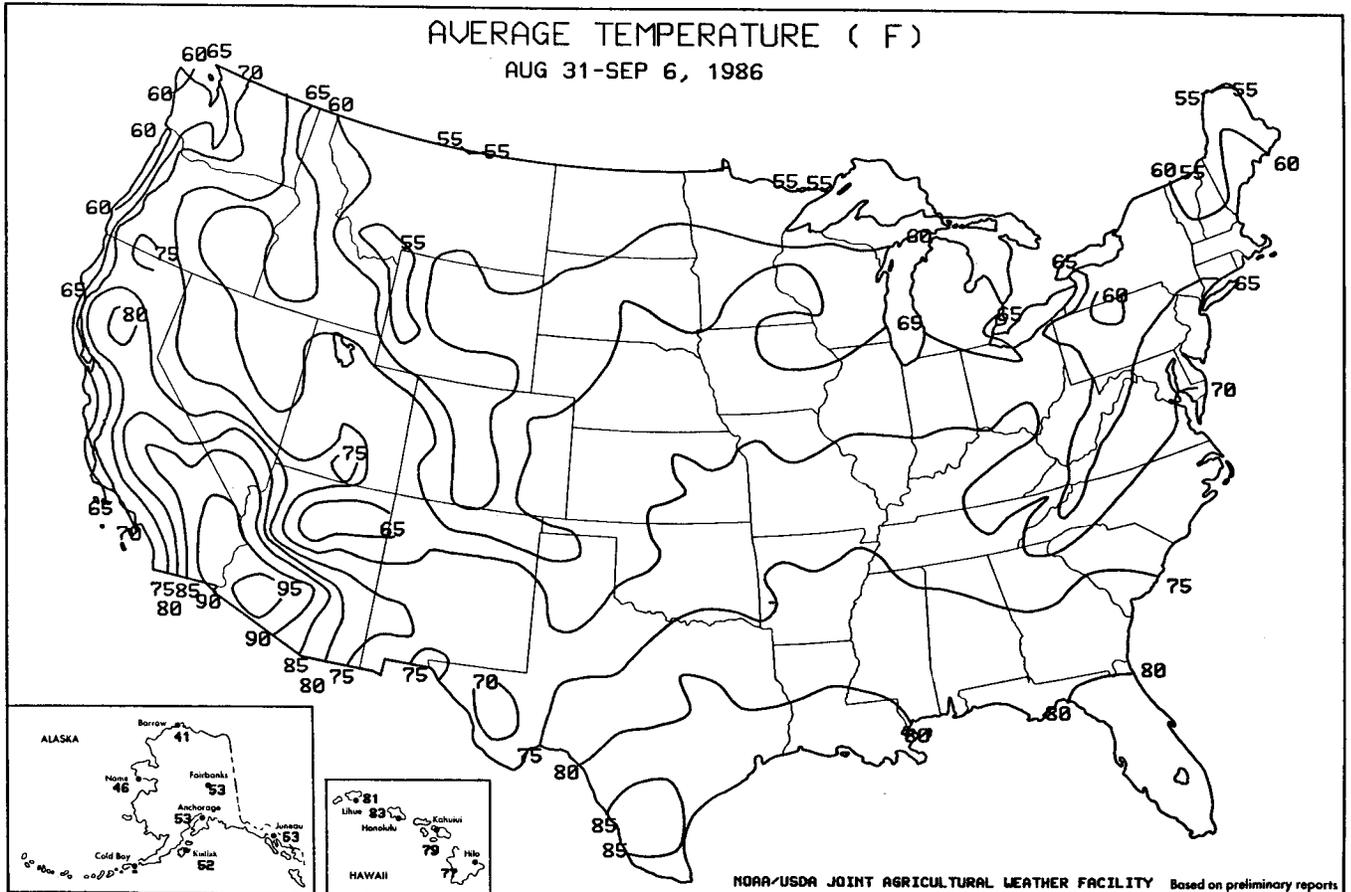
MONDAY...Thunderstorms were more widespread through the Plains, across the South, and from the mid-Atlantic region to the Ohio Valley and southward to the Gulf of Mexico. Heavy storms covered parts of central Texas and along a line from western Virginia to northeastern Georgia. It was much cooler in the northern Plains and upper Mississippi Valley.

TUESDAY...Thunderstorms covered the Plains, the west side of the Mississippi Valley, across the South, and north to the Mid-Atlantic States. Deluges of rain caused local flooding in parts of central Texas. Heavy thunderstorms developed

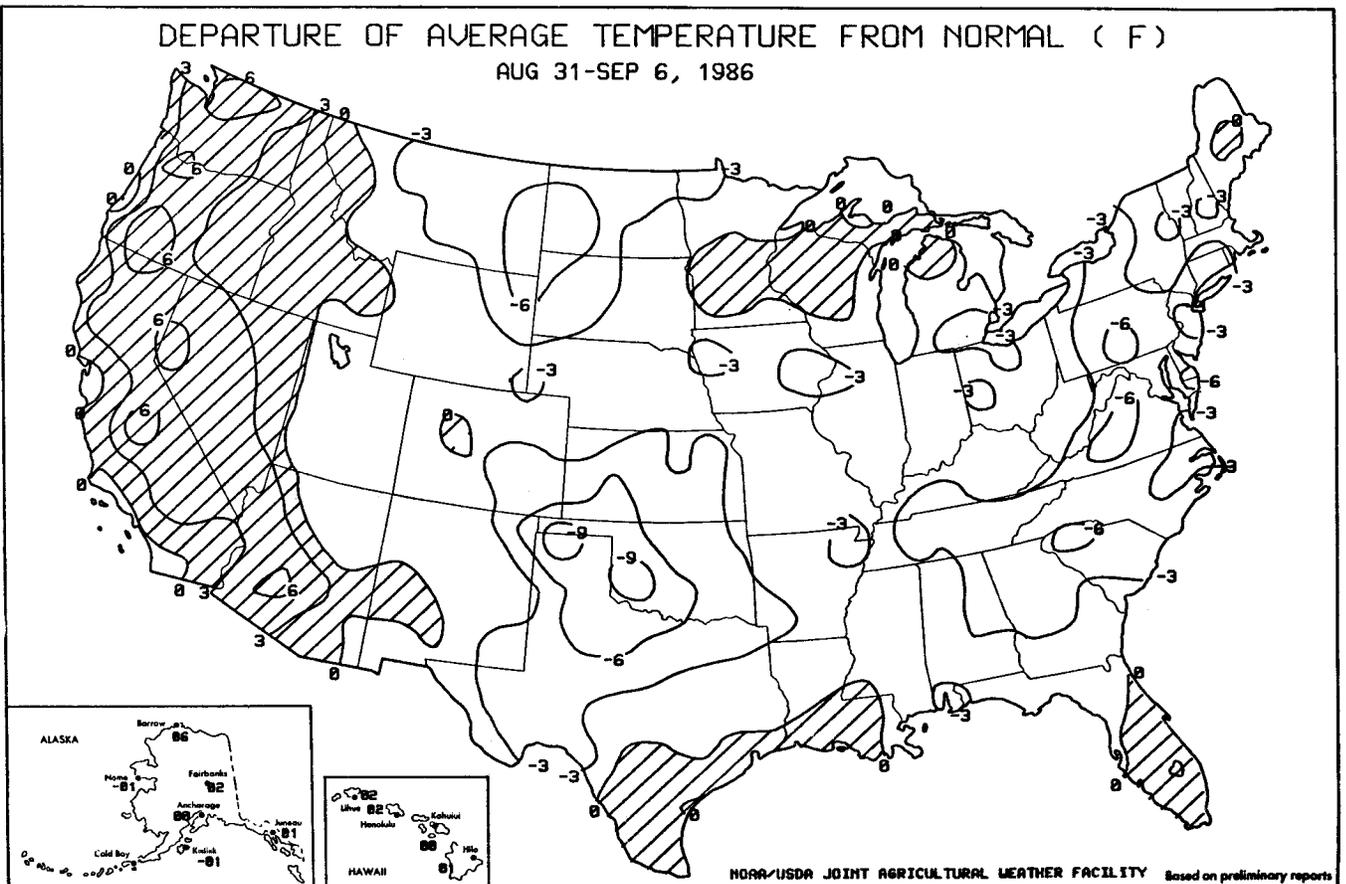
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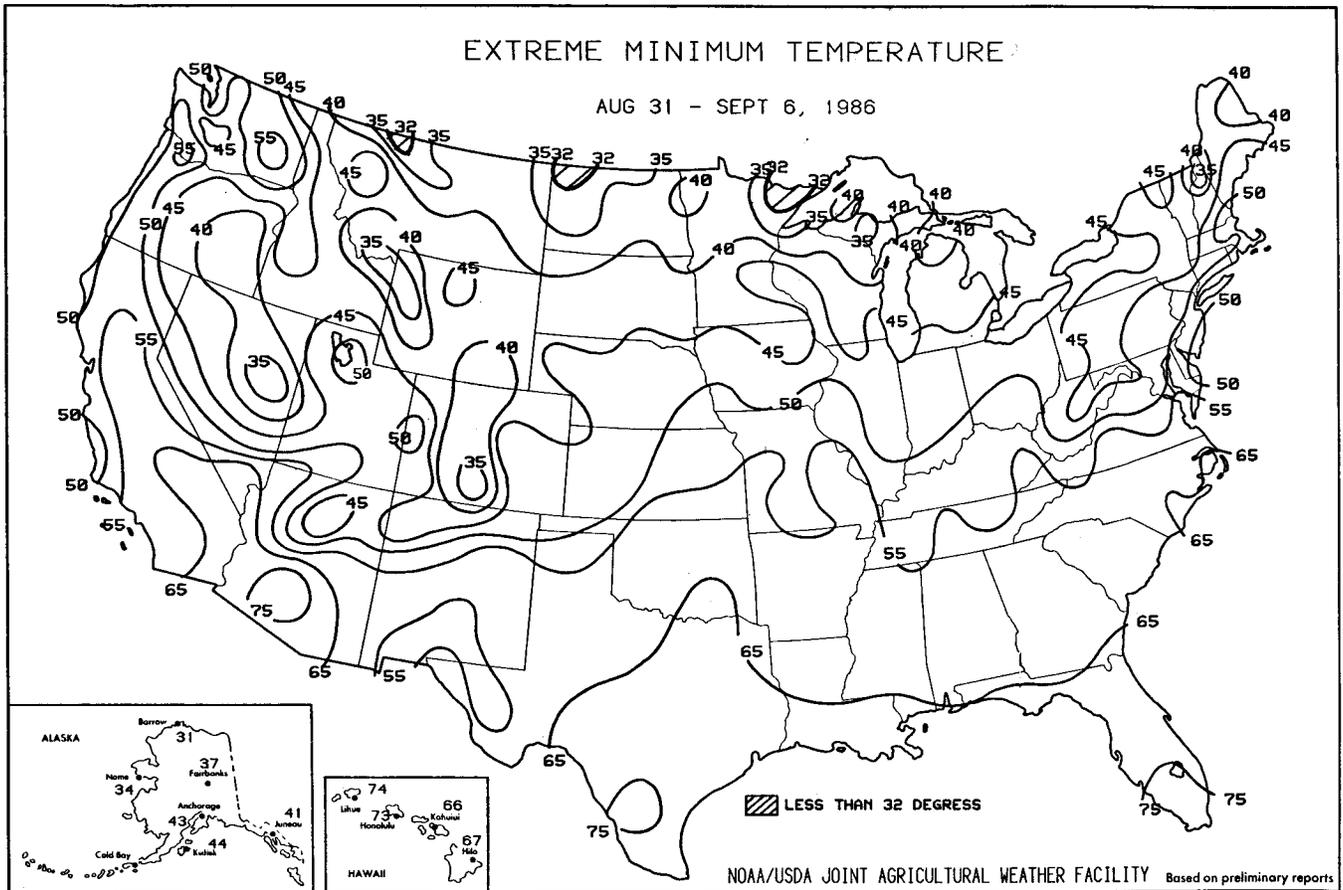




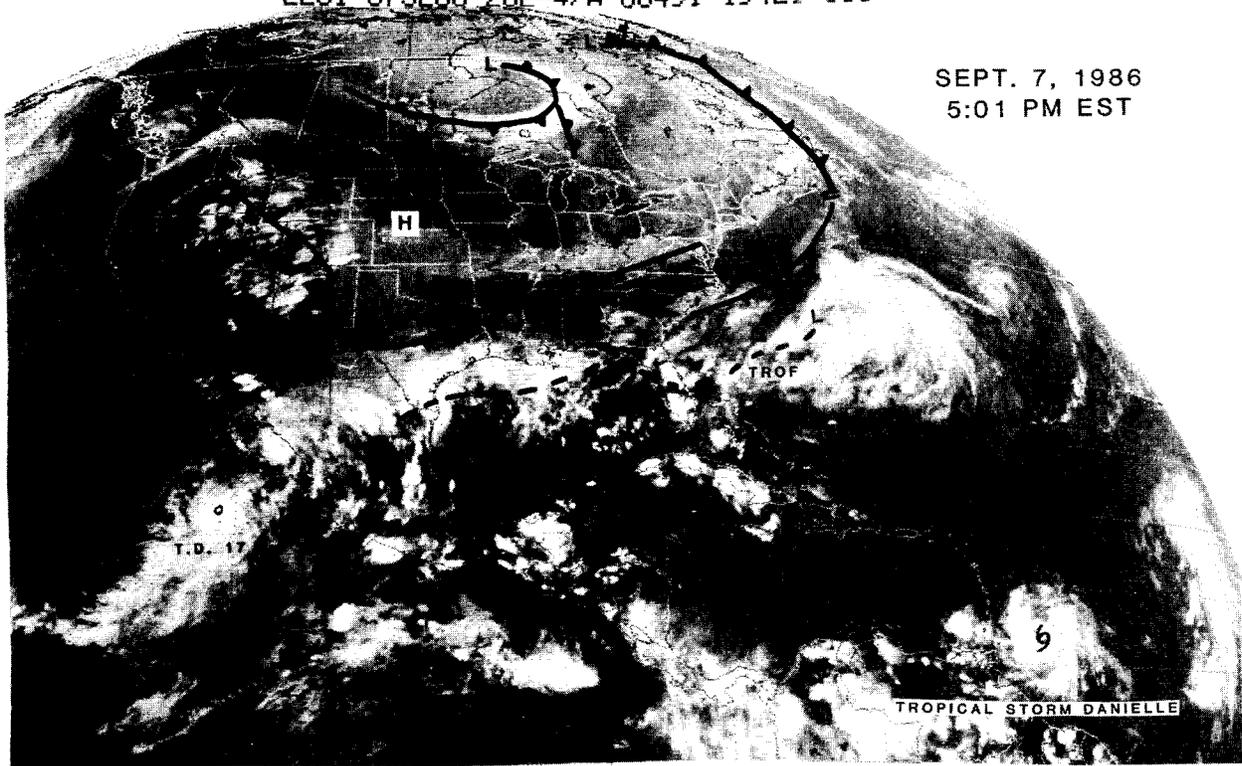


Point values may differ on these computerized maps from the reported values in the tables.

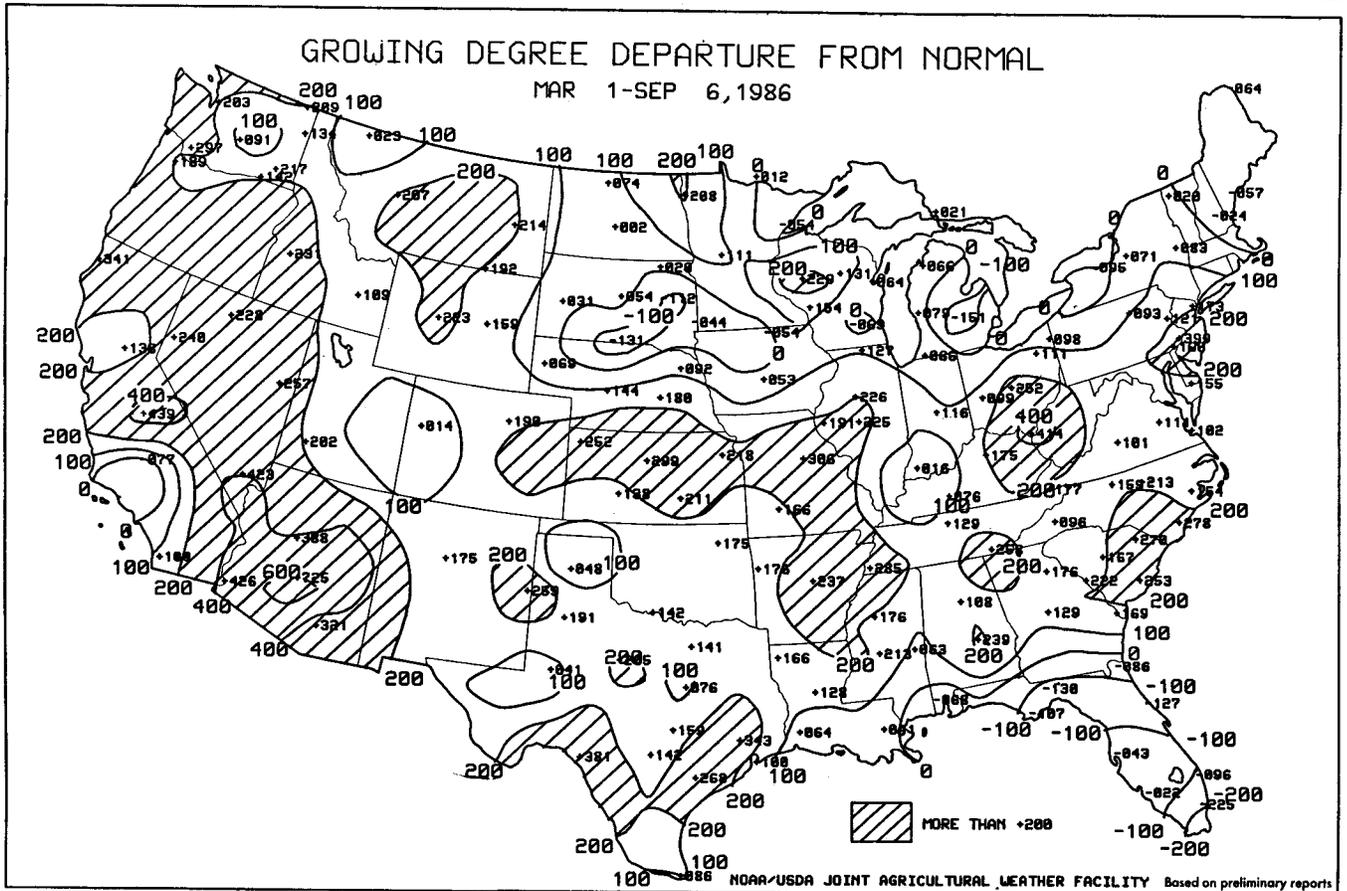
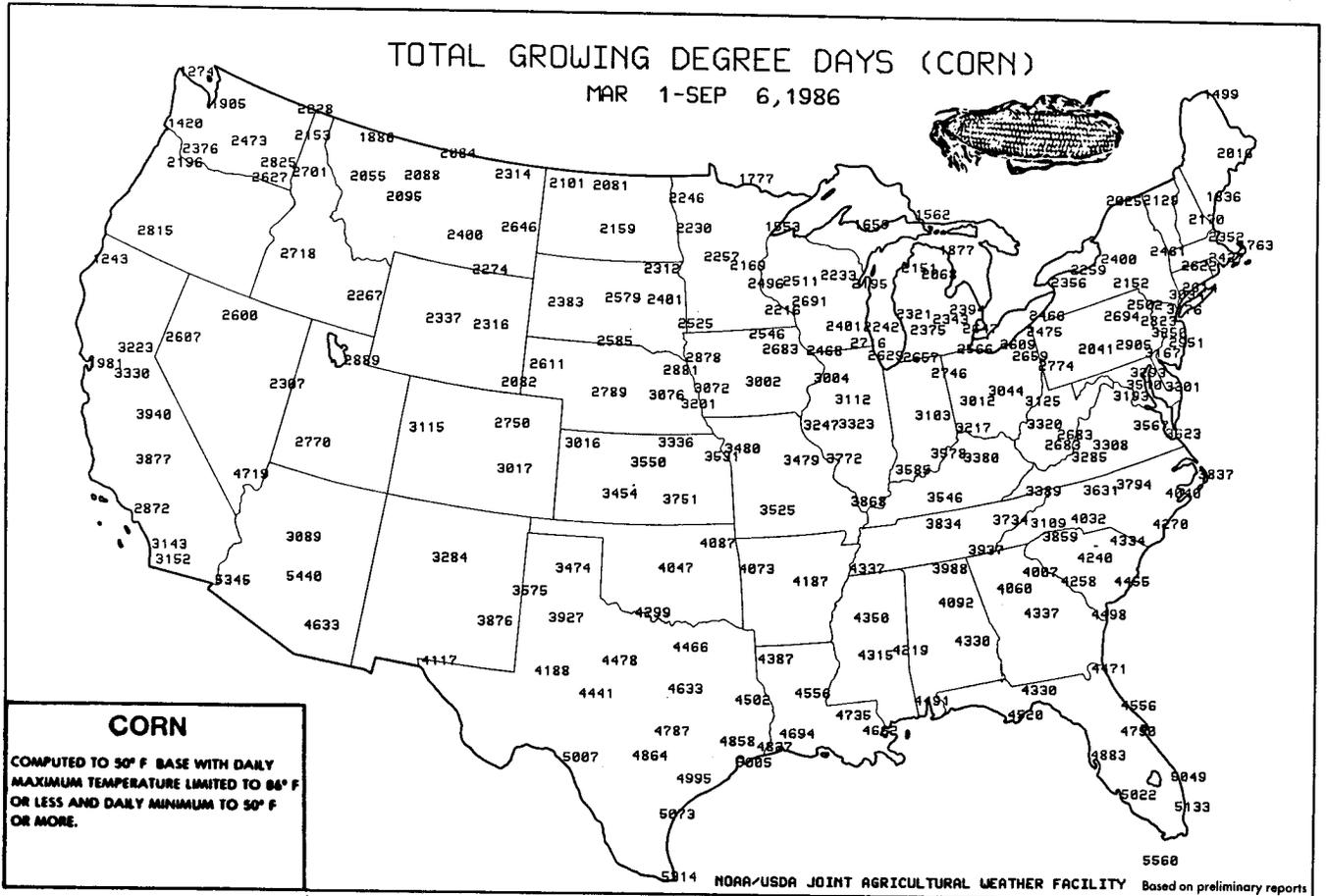




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TROPICAL STORM DANIELLE APPROACHES THE WINDWARD ISLANDS. THE SEASON'S SEVENTH TROPICAL DEPRESSION IN THE EASTERN PACIFIC FORMS SOUTH OF BAJA. A LARGE HIGH PRESSURE SYSTEM CENTERED OVER NEBRASKA BRINGS COOLER AIR INTO CENTRAL AND EASTERN UNITED STATES.



National Weather Data for Selected Cities

Weather Data for the Week Ending September 6, 1986

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	82	67	87	60	75	-3	.7	-.3	.5	.7	80	22.3	56	97	63	0	0	3	0
MOBILE	86	70	93	64	78	-3	2.1	.4	1.1	2.0	144	40.0	84	100	69	1	1	0	0
MONTGOMERY	85	69	90	60	77	-3	1.7	.7	.9	1.4	154	32.0	91	100	67	1	1	1	1
AK ANCHORAGE	58	47	61	43	53	0	.3	-.2	.2	.2	33	9.5	102	95	61	0	0	3	0
BARROW	47	34	58	31	41	0	.5	-.4	.2	.5	417	2.5	76	98	76	0	0	4	0
FAIRBANKS	63	42	72	37	53	2	.8	-.3	0	.1	25	6.7	91	93	48	0	0	1	0
JUNEAU	61	46	68	41	54	2	1	-.5	.8	T	0	34.3	113	97	60	0	0	0	0
KODIAK	56	47	60	44	52	-1	1.1	-1.4	0	.1	5	47.4	105	96	72	0	0	3	0
NOME	50	42	53	34	46	-1	3.0	2.3	1.1	2.9	527	10.4	103	95	75	0	0	7	0
AZ PHOENIX	106	81	111	80	94	6	0	0	0	0	0	5.3	115	47	17	7	0	0	0
PRESCOTT	88	55	94	52	72	4	.2	-.2	.2	.2	40	8.3	61	66	22	3	0	0	0
TUCSON	100	70	105	68	85	2	T	-.4	T	T	0	9.3	121	67	18	7	0	0	0
YUMA	108	79	114	73	94	3	0	-.1	0	0	0	1.1	69	58	17	7	0	0	0
AR FORT SMITH	82	67	86	61	75	-3	.7	-.1	.3	.7	108	28.1	101	95	62	0	0	4	0
LITTLE ROCK	83	66	91	62	75	-3	.2	-.6	-.1	.2	29	27.7	87	86	63	1	0	2	0
CA BAKERSFIELD	98	67	101	63	83	3	0	0	0	0	0	4.3	108	62	24	7	0	0	0
EUREKA	65	51	71	50	58	1	T	-.1	T	T	0	27.4	120	96	74	0	0	0	0
FRESNO	101	67	104	64	84	7	0	0	0	0	0	9.7	137	75	23	7	0	0	0
LOS ANGELES	73	63	77	61	68	-2	0	-.1	0	0	0	13.0	151	90	65	0	0	0	0
RED BLUFF	103	64	106	61	84	6	0	-.1	0	0	0	21.9	166	—	—	7	0	0	0
SACRAMENTO	95	58	98	57	77	3	0	0	0	0	0	16.3	150	85	26	7	0	0	0
SAN DIEGO	74	66	76	65	70	2	0	0	0	0	0	7.7	120	82	66	0	0	0	0
SAN FRANCISCO	71	54	76	50	63	-1	T	0	T	T	0	18.6	148	97	59	0	0	0	0
CO DENVER	78	52	84	46	65	-2	.2	-.2	.1	.2	56	8.6	72	77	32	0	0	2	0
GRAND JUNCTION	85	55	92	51	70	-2	T	-.2	T	T	0	4.5	83	63	18	1	0	0	0
PUEBLO	79	51	85	48	65	-5	.3	0	.1	.2	100	7.3	84	96	40	0	0	5	0
CT BRIDGEPORT	73	60	78	51	67	-3	1.1	-.7	.1	.1	13	20.7	74	98	63	0	0	1	0
HARTFORD	74	55	81	45	64	-3	.3	-.7	.2	.3	35	30.1	102	96	59	0	0	2	0
DC WASHINGTON	75	63	81	53	69	-6	.4	-.5	.3	.4	49	20.1	73	97	64	0	0	2	0
FL APALACHICOLA	86	73	91	70	79	-2	.3	-1.8	.2	.3	15	33.6	87	96	75	2	0	6	0
DAYTONA BEACH	89	73	91	72	81	0	1.5	-.1	1.3	1.5	106	34.0	101	99	66	2	0	4	0
JACKSONVILLE	88	72	91	68	80	0	.3	-1.5	.3	.3	22	33.2	85	99	63	2	0	3	0
KEY WEST	89	78	90	75	83	0	1.3	-.1	.5	.9	72	22.5	92	92	64	2	0	5	0
MIAMI	92	77	93	75	84	1	1.5	-.3	.8	1.2	78	52.0	132	92	55	7	0	4	0
ORLANDO	92	74	93	73	83	1	1.0	-.5	.4	.8	60	35.1	95	98	54	7	0	5	0
TALLAHASSEE	89	70	93	65	80	-1	3.0	1.4	1.5	3.0	211	52.1	107	99	59	4	0	4	0
TAMPA	91	74	93	74	83	1	2.5	.8	1.6	2.4	165	30.3	85	97	61	5	0	4	0
WEST PALM BEACH	91	76	92	74	83	1	2.6	.7	1.4	2.2	137	42.3	109	92	57	6	0	6	0
GA ATLANTA	76	65	86	57	71	-6	2.4	1.7	1.5	2.1	329	24.6	69	100	82	0	0	6	0
AUGUSTA	82	69	88	62	75	-2	.7	-.3	.4	.5	68	33.6	102	98	70	0	0	3	0
MACON	82	68	86	59	75	-5	4.4	3.6	3.9	3.9	540	24.3	71	100	71	0	0	4	0
SAVANNAH	85	70	89	64	77	-2	.4	-1.0	.2	.3	28	34.2	88	95	66	0	0	4	0
HI HILO	85	70	85	67	77	1	.6	-1.1	.3	.6	41	103.2	121	92	63	0	0	5	0
HONOLULU	92	75	94	73	84	3	T	-.1	T	T	22	5.3	37	83	46	7	0	1	0
KAHULUI	88	70	90	66	79	0	0	-.1	0	0	0	10.7	79	84	53	2	0	0	0
LIHUE	85	77	86	74	81	2	.4	0	.3	.4	108	15.0	56	85	65	0	0	2	0
ID BOISE	84	51	90	47	67	0	T	-.1	T	T	0	10.0	127	69	24	1	0	0	0
LEWISTON	81	56	89	51	68	0	.2	-.1	.2	T	0	7.6	87	75	35	0	0	1	0
POCATELLO	80	47	89	43	64	0	T	-.1	T	T	0	9.6	128	77	25	0	0	0	0
IL CHICAGO	78	57	83	49	68	-1	.1	-.7	.1	.1	19	18.5	76	92	39	0	0	1	0
MOLINE	79	53	85	48	66	-3	.2	-.7	.1	.2	21	28.0	101	97	42	0	0	2	0
PEORIA	80	55	84	50	68	-2	T	-.8	T	T	6	22.5	88	93	42	0	0	1	0
QUINCY	80	54	85	40	67	-4	.1	-.9	.1	.1	14	22.9	84	95	46	0	0	2	0
ROCKFORD	77	53	83	44	65	-2	T	-.8	T	T	1	20.2	76	93	41	0	0	1	0
SPRINGFIELD	81	57	85	51	69	-2	.1	-.7	.1	.1	11	20.2	81	93	42	0	0	2	0
IN EVANSVILLE	83	61	90	54	72	-1	.2	-.5	.1	.2	33	26.3	87	95	50	1	0	3	0
FORT WAYNE	78	55	84	50	67	-2	.6	-.1	.5	.6	107	31.9	128	96	48	0	0	0	0
INDIANAPOLIS	81	56	88	47	69	-2	.1	-.6	.1	.1	13	28.9	102	95	45	0	0	2	0
SOUTH BEND	77	54	82	49	66	-2	T	-.8	T	T	0	24.2	91	94	42	0	0	0	0
IA DES MOINES	76	57	83	49	67	-2	.3	-.6	.2	.3	37	30.6	129	91	50	0	0	2	0
SIoux CITY	76	56	86	46	66	-3	.2	-.4	.1	.2	38	23.5	117	94	51	0	0	4	0
WATERLOO	76	52	82	43	64	-2	.7	-.2	.7	.7	96	26.7	106	94	47	0	0	2	0
KS CONCORDIA	78	61	84	51	69	-3	2.1	1.3	1.2	2.1	318	30.3	143	92	58	0	0	2	0
DODGE CITY	74	57	80	49	66	-8	.4	-.1	.4	.4	95	16.9	101	99	65	0	0	1	0
GOODLAND	78	55	86	45	67	-2	.2	-.2	.2	.2	48	12.0	90	91	46	0	0	2	0
TOPEKA	81	57	85	52	69	-4	T	-.8	T	T	0	25.8	104	98	49	0	0	1	0
WICHITA	78	63	84	54	70	-5	.2	-.6	.2	.2	23	22.2	106	96	64	0	0	2	0
KY BOWLING GREEN	80	61	84	53	70	-4	.4	-.3	.2	.4	53	19.4	55	99	57	0	0	3	0
LEXINGTON	79	61	83	54	70	-2	.7	-.2	.5	.7	90	20.5	61	94	54	0	0	0	1
LOUISVILLE	82	63	87	56	72	-1	.8	0	.7	.8	120	25.2	81	92	49	0	0	2	0
LA ALEXANDRIA	90	71	94	63	80	0	.6	.1	.6	.6	131	26.9	69	86	51	5	0	2	0
BATON ROUGE	91	73	94	69	82	2	T	-.1	T	T	1	35.4	87	94	54	5	0	0	0
LAKE CHARLES	91	71	93	68	81	1	.1	-1.2	.1	.1	10	29.4	80	99	56	5	0	2	0
NEW ORLEANS	89	73	93	70	81	0	T	-.1	T	T	2	30.6	71	97	63	4	0	0	0

Based on 1951-80 normals.

Weather Data for the Week Ending September 6, 1986

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	
ME SHREVEPORT	88	69	93	60	79	-2	2.3	1.6	1.1	2.3	373	36.5	118	95	57	4	0	5	2	
ME CARIBOU	67	45	76	38	56	-2	.1	-.7	.1	.1	15	23.9	98	99	57	0	0	0	0	
MD PORTLAND	70	53	77	48	61	-1	-.4	-.3	.4	.4	59	29.0	104	96	63	0	0	3	0	
MD BALTIMORE	75	60	81	49	68	-5	-.5	-.5	-.4	.5	57	20.1	68	94	58	0	0	2	0	
MA SALISBURY	76	59	82	47	67	-5	1.3	-.2	1.2	1.3	141	21.4	67	99	62	0	0	3	1	
MA BOSTON	74	58	82	56	66	-2	T	-.8	T	T	0	27.6	95	93	53	0	0	0	0	
MA CHATHAM	72	59	83	57	66	0	0	-.6	-.6	.6	77	33.8	110	95	72	0	0	0	1	
MI ALPENA	72	48	83	40	60	0	.3	-.3	.3	.3	41	19.3	95	99	53	0	0	2	0	
MI DETROIT	78	55	84	49	67	0	T	-.6	T	T	4	22.8	102	97	41	0	0	1	0	
MI FLINT	77	51	83	43	64	-1	.1	-.6	.1	.1	9	21.7	103	95	45	0	0	1	0	
MI GRAND RAPIDS	76	52	82	42	64	-2	.1	-.7	0	0	9	31.1	132	96	48	0	0	2	0	
MI HOUGHTON LAKE	73	52	82	42	62	1	.7	0	.6	.7	110	21.9	113	95	48	0	0	2	1	
MI LANSING	77	50	82	41	63	-2	.2	-.4	.2	.2	43	24.3	117	95	46	0	0	0	0	
MI MARQUETTE	67	47	79	32	57	-1	.5	-.4	.2	.5	65	21.9	86	93	61	0	0	1	0	
MI MUSKOGON	75	53	82	42	64	-1	T	-.7	T	T	2	17.3	83	90	47	0	0	0	0	
MI SAULT STE. MARIE	66	50	78	41	58	-1	2.7	1.8	1.4	2.7	345	27.2	125	94	63	0	0	4	2	
MN ALEXANDRIA	71	56	79	44	63	1	.3	-.4	.3	.3	55	28.1	148	93	54	0	0	2	0	
MN DULUTH	66	48	77	33	57	-1	1.9	1.0	.8	1.6	225	28.6	130	96	63	0	0	5	2	
MN INT'L FALLS	64	48	75	35	56	-1	1.2	.4	.6	1.2	182	14.8	83	98	63	0	0	4	2	
MN MINNEAPOLIS	74	57	83	48	66	1	.8	-.1	.8	.8	140	27.8	136	90	50	0	0	1	1	
MN ROCHESTER	72	52	80	40	62	-1	-.4	-.4	-.4	-.4	62	25.2	117	94	54	0	0	2	0	
MS GREENWOOD	87	68	93	61	78	-1	1.4	.7	1.3	1.4	227	21.5	57	99	56	2	2	1	1	
MS JACKSON	88	69	93	61	79	-1	.7	-.2	.6	.7	94	28.7	76	97	57	3	3	1	1	
MS MERIDIAN	86	69	92	63	78	-1	1.8	1.0	1.0	1.8	257	29.3	76	98	63	3	3	4	0	
MO CAPE GIRARDEAU	82	62	88	55	72	-1	T	-.9	T	T	0	30.1	95	94	52	0	0	0	0	
MO COLUMBIA	83	58	86	53	70	-2	.3	-.5	.2	.3	47	22.0	85	94	42	0	0	2	0	
MO KANSAS CITY	80	59	84	51	70	-3	.2	-.8	.2	.2	20	23.5	91	95	47	0	0	3	0	
MO SAINT LOUIS	84	62	88	56	73	-1	.1	-.6	.1	.1	13	19.0	77	88	42	0	0	2	0	
MO SPRINGFIELD	83	62	86	54	72	-1	0	-.9	0	0	0	20.3	74	95	46	0	0	0	0	
MT BILLINGS	68	51	78	42	60	-4	.1	-.2	.1	.1	25	11.4	101	85	45	0	0	3	0	
MT GLASGOW	69	49	80	39	59	-3	.3	0	.2	.3	125	8.3	86	85	37	0	0	3	0	
MT GREAT FALLS	66	49	78	39	57	-4	.8	.5	.6	.2	67	10.3	85	88	46	0	0	1	0	
MT HAVRE	66	49	78	41	57	-4	.5	.2	.3	.4	182	11.0	122	87	41	0	0	2	0	
MT HELENA	68	49	82	43	59	-1	1.3	1.1	.9	.4	216	9.0	101	83	41	0	0	2	1	
MT KALISPELL	70	49	80	44	59	1	.7	.4	.3	.4	156	12.3	110	87	42	0	0	4	0	
MT MILES CITY	67	50	78	38	59	-7	2.2	2.0	1.4	1.5	633	13.0	116	91	47	0	0	3	2	
MT MISSOULA	72	53	83	48	62	-2	1.1	.8	.8	.8	146	11.3	118	88	43	0	0	3	1	
NE GRAND ISLAND	77	58	88	49	67	-2	2.2	1.6	1.1	2.2	409	19.6	104	92	54	0	0	3	2	
NE LINCOLN	78	59	86	50	69	-1	1.4	.7	.8	1.4	218	27.8	130	94	53	0	0	4	0	
NE NORFOLK	76	58	87	49	67	-1	.5	-.1	.3	.5	94	24.2	124	93	54	0	0	4	0	
NE NORTH PLATTE	77	56	88	48	67	0	.8	.4	.4	.4	122	14.3	88	93	50	0	0	4	0	
NE OMAHA	76	59	83	49	68	-1	1.9	1.0	.8	1.9	249	26.0	112	92	62	0	0	4	2	
NE SCOTTSSBLUFF	76	51	85	45	64	-2	.1	-.1	.1	.1	56	17.4	146	94	43	0	0	3	0	
NE VALENTINE	77	52	90	44	64	-2	.2	-.3	.1	.2	44	15.0	103	86	43	1	1	2	0	
NV ELY	84	41	90	33	63	2	T	-.1	T	T	0	5.6	86	67	16	0	0	0	0	
NV LAS VEGAS	103	73	107	71	88	4	0	-.1	0	0	0	1.3	43	25	10	7	7	0	0	
NV RENO	90	50	95	47	70	6	0	-.1	0	0	0	8.4	165	68	14	4	3	0	0	
NV WINNEMUCCA	89	46	96	41	68	4	0	-.1	0	0	0	3.8	70	56	14	3	0	0	0	
NH CONCORD	72	49	79	42	60	-3	.3	-.5	.3	.3	45	27.8	116	96	55	0	0	1	0	
NJ ATLANTIC CITY	76	58	82	49	67	-4	.5	-.3	.3	.5	71	25.1	86	99	65	0	0	3	0	
NM ALBUQUERQUE	86	58	89	55	72	0	T	-.2	T	T	0	9.3	163	71	21	0	0	0	0	
NM CLOVIS	82	62	85	57	72	-1	.3	-.2	.3	.3	69	12.2	95	81	42	0	0	2	0	
NM ROSWELL	84	62	89	57	73	-3	3.5	3.0	1.6	3.3	795	15.1	222	95	43	0	0	4	3	
NY ALBANY	73	53	78	44	63	-2	.2	-.6	.2	.2	27	30.9	128	99	60	0	0	1	0	
NY BINGHAMTON	72	53	77	46	63	-1	.9	-.1	.9	.9	130	31.3	124	93	54	0	0	1	1	
NY BUFFALO	76	55	81	47	66	-2	.2	-.7	.2	.2	29	24.5	98	91	43	0	0	2	0	
NY NEW YORK	74	63	79	59	69	-3	1.0	.1	1.0	1.0	123	25.1	85	89	58	0	0	1	1	
NY ROCHESTER	75	52	80	45	63	-3	.2	-.5	.2	.2	27	22.3	104	98	47	0	0	1	0	
NY SYRACUSE	75	52	79	46	63	-3	.2	-.6	.2	.2	27	27.2	102	97	52	0	0	1	0	
NC ASHEVILLE	71	60	81	54	65	-5	2.9	1.9	1.3	2.7	310	20.4	59	100	76	0	0	3	0	
NC CHARLOTTE	76	65	84	60	71	-5	.8	-.1	.5	.7	95	16.6	53	97	67	0	0	6	0	
NC GREENSBORO	75	63	82	59	69	-5	1.0	.1	.9	1.0	132	19.4	64	98	75	0	0	5	1	
NC HATTERAS	79	69	82	67	74	-2	T	-.4	T	T	0	35.8	97	95	67	0	0	0	0	
NC NEW BERN	80	66	83	64	73	-4	T	-.4	T	T	1	34.9	91	96	62	0	0	2	0	
NC RALEIGH	78	64	82	58	71	-4	.2	-.7	.1	.2	27	29.1	95	95	63	0	0	2	0	
NC WILMINGTON	81	68	85	65	74	-3	.4	-.1	.4	T	2	44.1	112	92	65	0	0	2	0	
ND BISMARCK	66	50	78	38	58	-5	.9	.6	.7	.9	310	18.3	146	94	55	0	0	4	1	
ND FARGO	69	53	79	39	61	-2	1.7	1.2	1.6	1.7	398	19.7	128	95	63	0	0	3	1	
ND GRAND FORKS	68	49	81	38	59	-3	.7	.1	.7	.7	135	12.0	85	94	57	0	C	3	0	
ND WILLISTON	65	47	79	32	56	-6	.5	.2	.5	.5	170	17.2	156	91	45	0	1	4	0	
OH AKRON-CANTON	78	55	81	49	67	-1	.1	-.7	.1	.1	0	18.5	71	96	44	0	0	0	0	
OH CINCINNATI	79	59	81	49	69	-2	.1	-.6	.1	.1	23	20.8	71	93	50	0	0	1	0	
OH CLEVELAND	77	58	82	49	67	0	.2	-.6	.2	.2	24	25.8	102	92	45	0	0	1	0	
OH COLUMBUS	79	57	83	50	68	-1	1.0	.2	1.0	1.0	148	22.6	82	94	49	0	0	1	1	

Based on 1951-80 normals.

Weather Data for the Week Ending September 6, 1986

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	
DAYTON	79	56	84	48	67	-3	T	-6	T	T	4	27.6	107	96	49	0	0	1	0	
TOLEDO	78	50	83	46	64	-3	.3	-4	.3	.3	51	25.9	113	98	49	0	0	2	0	
YOUNGSTOWN	77	52	80	45	64	-2	.1	-7	.1	.1	9	31.0	116	99	50	0	0	1	0	
OK OKLAHOMA CITY	76	66	80	62	71	-6	1.6	-9	.9	1.5	24.5	23.4	103	96	70	0	0	7	0	
TULSA	79	67	85	64	73	-5	.2	-8	.1	.2	22	25.1	92	99	68	0	0	4	0	
OR ASTORIA	70	53	74	49	61	1	.1	-5	T	T	0	35.7	91	98	71	0	0	0	0	
BURNS	83	50	91	37	67	4	0	-2	0	0	0	7.6	162	91	1	1	0	0	0	
MEDFORD	96	55	101	51	76	7	0	-1	0	0	0	10.2	91	87	20	0	0	0	0	
PENDLETON	83	57	90	49	70	2	0	-1	0	0	0	7.5	97	62	27	0	0	0	0	
PORTLAND	85	59	91	55	72	2	0	-3	0	0	0	18.2	85	88	36	2	2	0	0	
SALEM	86	54	93	50	70	6	T	-3	T	T	0	22.5	90	97	59	0	0	0	0	
PA ALLENTOWN	74	56	77	44	65	-4	1.4	-4	1.4	1.4	162	28.9	94	97	59	0	0	0	0	
ERIE	76	58	82	52	67	-2	.1	-8	.1	.1	14	27.3	105	88	47	0	0	3	0	
HARRISBURG	73	58	76	47	65	-6	1.2	-4	1.1	1.2	168	30.4	113	99	67	0	0	0	1	
PHILADELPHIA	77	61	81	51	69	-3	.4	-5	.2	.4	54	24.1	83	93	59	0	0	2	0	
PITTSBURGH	77	57	81	50	67	-3	.3	-4	.3	.3	52	25.1	94	83	43	0	0	0	0	
SCRANTON	72	55	77	45	64	-3	.2	-7	.2	.2	26	32.8	136	93	56	0	0	1	0	
RI PROVIDENCE	73	55	79	50	64	-3	T	-9	T	T	5	28.8	96	97	59	0	0	0	0	
SC CHARLESTON	82	69	86	63	75	-3	2.7	1.3	2.3	2.7	235	34.2	86	98	70	0	0	1	1	
COLUMBIA	81	67	84	61	74	-4	.7	-5	.3	.5	55	19.4	52	96	62	0	0	6	0	
FLORENCE	80	66	86	60	73	-8	.8	-2	.6	.3	32	19.7	59	97	66	0	0	5	1	
GREENVILLE	74	64	85	59	69	-6	2.6	1.6	.8	2.4	282	23.5	65	100	80	0	0	6	3	
SD ABERDEEN	71	53	84	42	62	-3	.9	-5	.7	.9	258	23.9	164	96	56	0	0	2	1	
HURON	74	53	86	40	64	-2	1.1	-7	1.0	1.1	342	23.5	157	99	55	0	0	2	1	
RAPID CITY	71	51	84	42	61	-5	1.7	-4	.7	1.7	704	17.0	124	94	49	0	0	3	2	
SIOUX FALLS	73	55	83	41	64	-4	.3	-5	.2	.3	42	19.4	104	90	52	0	0	3	0	
TN CHATTANOOGA	76	65	86	60	71	-3	4.4	3.5	3.0	3.8	455	21.3	58	99	79	0	0	5	3	
KNOXVILLE	78	65	85	58	71	-3	2.7	2.0	1.7	2.4	400	19.7	58	97	69	0	0	5	2	
MEMPHIS	85	68	90	61	77	-1	.1	-8	.1	.1	13	21.3	57	95	52	2	0	3	0	
NASHVILLE	79	66	85	57	72	-3	1.6	-7	.6	1.4	188	17.9	51	97	63	0	0	3	1	
TX ABILENE	82	67	87	62	75	-5	1.4	-7	.5	.9	150	18.4	113	98	61	0	0	5	0	
AMARILLO	74	58	80	54	66	-7	2.8	2.3	2.4	.4	98	19.8	129	100	65	0	0	4	1	
AUSTIN	90	73	95	69	82	-1	3.4	2.7	2.5	3.4	540	18.1	87	97	54	0	0	3	2	
BEAUMONT	90	74	94	72	82	0	1.4	0	1.3	1.4	113	36.3	103	98	57	4	0	3	1	
BROWNSVILLE	91	75	96	72	83	0	1.4	.3	1.2	1.4	145	12.7	85	96	58	0	0	2	1	
CORPUS CHRISTI	91	75	93	74	83	-1	1.0	-3	.3	.7	59	17.7	93	97	60	5	6	4	0	
DEL RIO	86	74	93	71	80	-3	2.1	1.6	1.0	2.1	451	15.4	135	89	53	3	0	4	2	
EL PASO	91	64	93	60	77	-3	.3	-1	.2	.3	89	8.5	163	90	30	5	0	3	0	
FORT WORTH	84	70	91	66	77	-5	4.1	3.4	2.0	4.1	716	24.4	117	91	59	2	1	5	3	
GALVESTON	88	78	90	73	83	-9	.9	-5	.6	.9	73	17.1	65	84	62	1	0	3	1	
HOUSTON	89	73	92	67	81	-5	3.0	1.9	2.0	2.8	300	24.9	83	95	61	4	0	6	1	
LUBBOCK	76	63	81	60	69	-6	3.2	2.7	2.7	2.9	686	16.6	125	100	77	0	0	4	1	
MIDLAND	83	65	88	63	74	-3	6.4	6.0	3.4	6.2	19.0	19.0	198	100	66	0	0	6	3	
SAN ANGELO	85	68	90	66	77	-3	8.3	7.7	3.8	7.5	22.7	188	98	57	1	0	0	4	4	
SAN ANTONIO	92	75	96	73	83	1	2.0	1.1	1.3	.6	89	25.0	128	95	50	6	0	5	1	
VICTORIA	90	75	93	73	82	0	1.6	.3	.7	1.5	127	23.3	97	97	61	4	0	5	1	
WACO	90	72	96	66	81	-2	3.7	3.0	1.7	3.7	647	23.4	111	96	55	5	0	6	3	
WICHITA FALLS	80	67	89	63	73	-7	5.7	5.0	2.0	4.7	750	24.1	129	99	66	0	0	6	4	
UT BLANDING	82	50	87	47	66	-1	.1	-1	.1	.1	78	9.8	132	78	38	0	0	1	0	
CEDAR CITY	83	52	89	48	67	0	T	-2	T	T	6	8.0	111	70	23	0	0	1	0	
SALT LAKE CITY	81	57	91	54	69	-1	.1	-1	.1	.1	39	15.1	139	72	26	1	0	1	0	
VT BURLINGTON	73	54	78	47	63	0	.1	-7	.1	.1	14	28.6	123	95	53	0	0	0	0	
VA NORFOLK	77	65	80	63	71	-5	.1	-1	.1	.1	7	19.6	60	94	67	0	0	2	0	
RICHMOND	77	60	82	51	69	-5	.1	-8	.1	.1	16	26.0	84	99	62	0	0	3	0	
ROANOKE	71	60	80	58	66	-6	2.9	2.1	1.0	2.9	425	21.6	78	99	76	0	0	5	4	
WA COLVILLE	80	53	88	44	67	-2	T	-2	T	T	6	14.9	134	76	44	0	0	1	0	
QUILLAYUTE	70	50	77	46	60	0	.1	-8	0	.1	7	65.3	110	100	61	0	0	2	0	
SEATTLE-TACOMA	79	58	88	54	69	6	0	-4	0	0	0	20.6	95	75	38	0	0	0	0	
SPOKANE	77	52	86	49	65	1	.1	-1	.1	T	0	10.1	95	79	34	0	0	1	0	
YAKIMA	84	51	91	47	68	-3	0	-1	0	0	0	5.4	108	84	27	1	0	0	0	
WV BECKLEY	70	57	77	50	64	-3	1.3	.5	.5	1.3	181	25.6	83	94	70	0	0	5	1	
CHARLESTON	77	60	81	50	69	-3	.8	.1	.6	.8	126	30.1	96	99	65	0	0	4	1	
HUNTINGTON	78	61	82	52	70	-2	.8	0	.7	.8	121	24.4	81	98	59	0	0	3	1	
PARKERSBURG	77	59	82	50	68	-3	.1	-7	.1	.1	12	23.2	73	100	58	0	0	1	0	
WI GREEN BAY	72	51	80	39	62	-1	.1	-7	.1	.1	14	20.2	100	93	50	0	0	2	0	
LA CROSSE	76	56	84	45	66	0	.4	-4	.4	.4	59	19.7	86	91	46	0	0	1	0	
MADISON	74	53	81	44	64	0	T	-8	T	T	4	21.4	93	94	48	0	0	1	0	
MILWAUKEE	74	56	79	49	65	0	T	-7	T	T	3	30.4	136	90	48	0	0	1	0	
WAUSAU	72	54	82	42	63	1	.3	-7	.3	.3	38	17.4	75	91	46	0	0	2	0	
WY CASPER	74	47	83	41	61	-2	.2	-1	.1	.2	150	10.6	122	91	34	0	0	4	0	
CHEYENNE	71	46	78	40	59	-4	.5	-2	.2	.5	208	9.9	91	92	40	0	0	3	0	
LANDER	73	49	81	43	61	-2	.1	-1	.1	.1	58	7.6	77	76	32	0	0	2	0	
SHERIDAN	69	50	81	41	60	-3	.6	-3	.3	.5	265	10.9	97	95	50	0	0	4	0	
PR SAN JUAN	89	76	91	73	82	0	.4	-1.1	.3	.3	25	34.9	105	95	59	2	0	3	0	

Based on 1951-80 normals.

Cooling Degree Day Data Weekly Summary

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

LAST DATE OF DATA COLLECTION PERIOD IS 9-6-1986
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL, WEEK TOTAL, WEEK DEV FROM NORM, WEEK DEV 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 cooling degree day data.

August Weather Summary

AUGUST WEATHER SUMMARY

AUGUST CROP DEVELOPMENT

HIGHLIGHTS...The month began with hot, dry weather across the South and through the Southeast. However, scattered thundershowers began in the drought areas of the Southeast, and before the month was over most of the dry areas were relieved of stress. However, much of the Mississippi Delta and central Alabama were still too dry. At midmonth Tropical Storm Charlie developed off the coast of South Carolina coast. After remaining stationary for 2 days, the storm intensified and became a hurricane as it moved northward along the coast dropping heavy rain from North Carolina to New Jersey. As the storm weakened it veered sharply and moved eastward south of Long Island, New York. Thunderstorms were frequent from the Rockies and Great Basin to the Atlantic Ocean. Surges of cool air began to push into the East early in the month. In the last week, the coldest air of the season moved into the upper Mississippi Valley and spread southward and eastward to cover the East from the eastern part of the Great Plains to the Atlantic and into northern Florida.

In the first 2 days of the month a heat wave continued across the South into the Southeast, broken only by isolated thundershowers.

FIRST WEEK...Thunderstorms were nearly everywhere east of the Rocky Mountains. Heavy rain fell from the eastern part of the central Great Plains to the middle Mississippi Valley and in much of the very dry parts of the Southeast. However, the area from the southern two-thirds of Mississippi to central South Carolina remained very dry. Temperatures were cooler than normal from the Appalachians to the Rockies. Unusually warm weather covered the West Coast States and reached into Canada.

SECOND WEEK...Nearly all of the Nation east of the Rockies and the central and southern Plateau had some rain or showers. Temperatures soared to the high nineties in the West Coast States, and forest fires were rampant in the Northwest. Moderate to heavy rain fell in much of the drought area of the Southeast. Tropical Storm Charlie developed in the Atlantic off the South Carolina coast. The storm remained stationary Friday and most of Saturday before intensifying and moving along the coast. As the week ended, wind and rain began along the North Carolina coast.

THIRD WEEK...Thunderstorms were frequent through the East Coast States. Much of the previously dry areas received well-above-normal rain. The heaviest fell along the coast of North Carolina where Tropical Storm Charlie became a hurricane and moved northeastward before weakening and veering eastward south of Long Island, New York. Thunderstorms were frequent along the gulf coast and moderate to heavy thundershowers fell from the Texas Panhandle to the upper Mississippi Valley. Little rain fell from the Mississippi Delta through the Midwest. Temperatures were cool in the northern Great Plains and warm in the Northwest.

FOURTH WEEK...Autumn-like weather pushed into the upper Mississippi Valley, and by midweek the coldest air of the season plunged southward from Canada. The cold air covered the Nation east of the eastern Great Plains and into Florida. Many record-cold temperatures were reported. Showers and thunderstorms developed along the edge of the cold air as it moved southward and eastward. Scattered thunderstorms spread from the Southwest through the Rockies and Plateau to the Northwest.

The extreme heat and dryness in the Southeast and in the Delta continued during the first half of August. At midmonth, rain and cooler temperatures eased crop stress across the Delta and in the Southeast. The cooler temperatures slowed crop development across the eastern half of the Nation which benefited late planted soybeans and peanuts. Above-normal temperatures returned to the Delta and the Southeast causing stress. The last week of August, rain and cool temperatures blanketed most of the eastern half of the Nation and again slowed crop development. Crops ended the month mostly good to excellent in the Corn Belt and in the northern and central Great Plains. During August crop condition was mostly fair to poor in the Delta and in the Southeast but began improving near the end of the month. Soil moisture was mostly adequate except in the Delta, the Southeast, and in some western States where moisture was short.

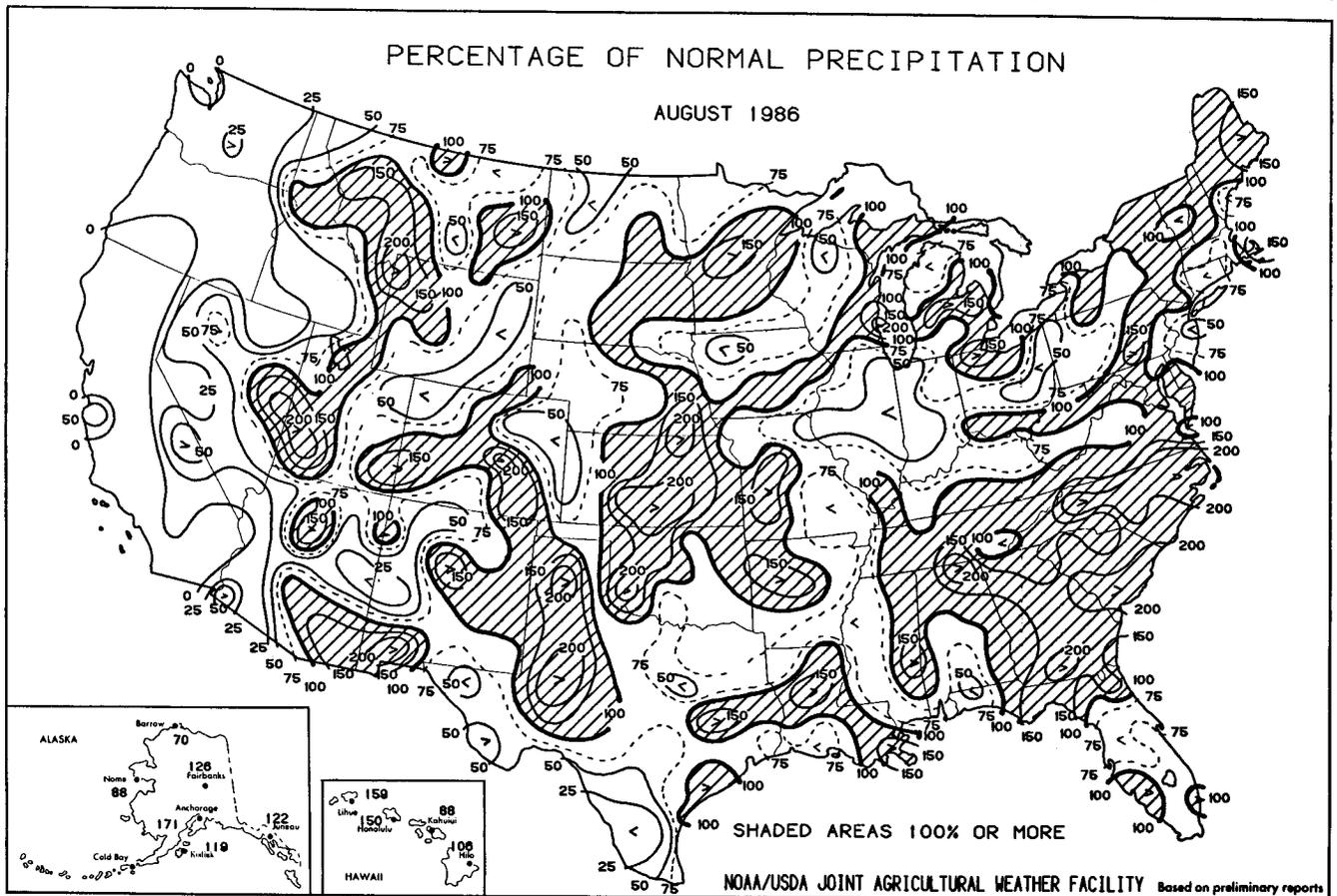
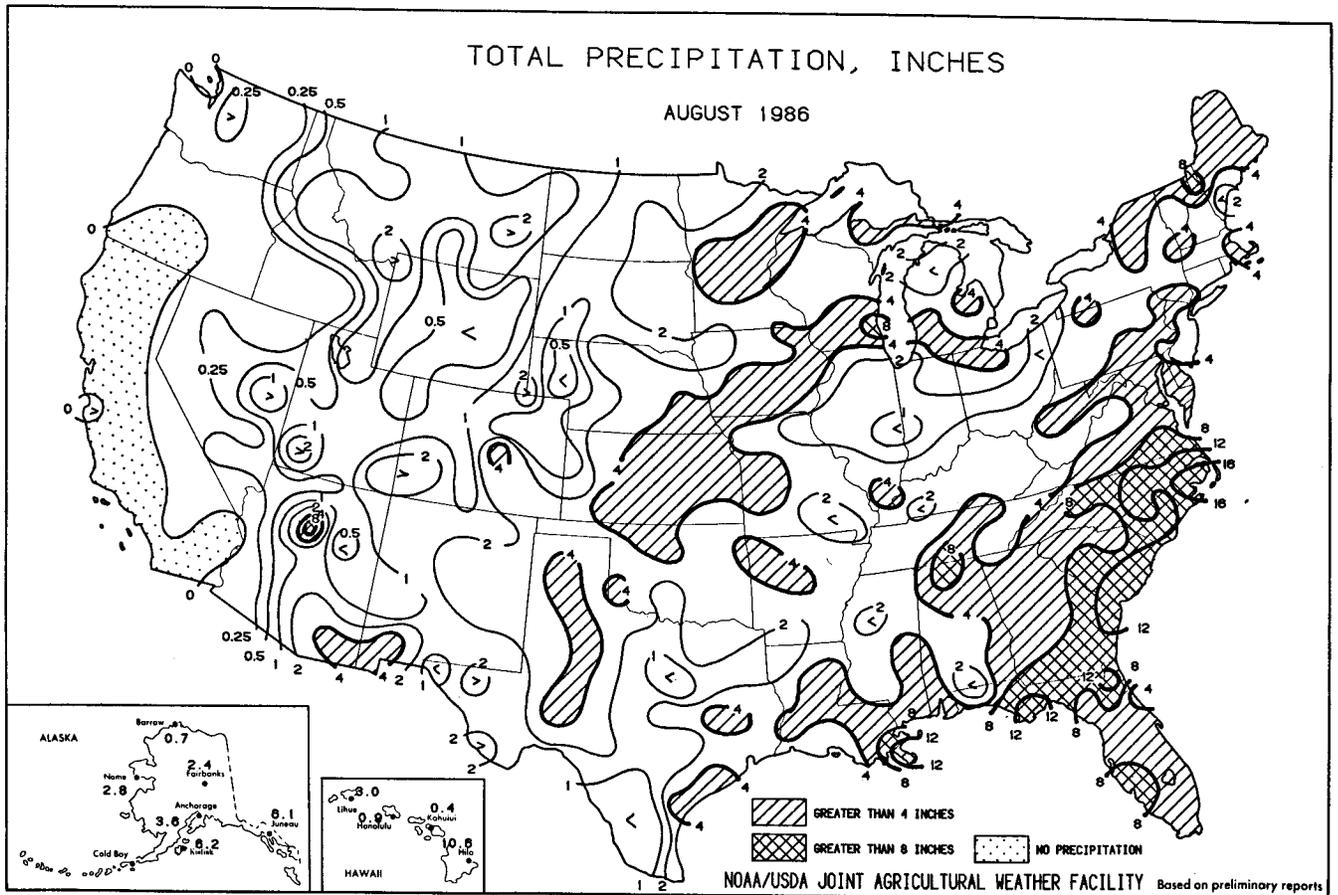
Corn ended the month in mostly good to excellent condition. On August 31, 93 percent of the acreage reached the dough stage and 66 percent reached dent. Corn mature was 10 points ahead of last year and average with 19 percent of the acreage ready for harvest. Harvest was underway as far north as Illinois but was confined mostly to the Delta, the Southeast, and the Appalachian States.

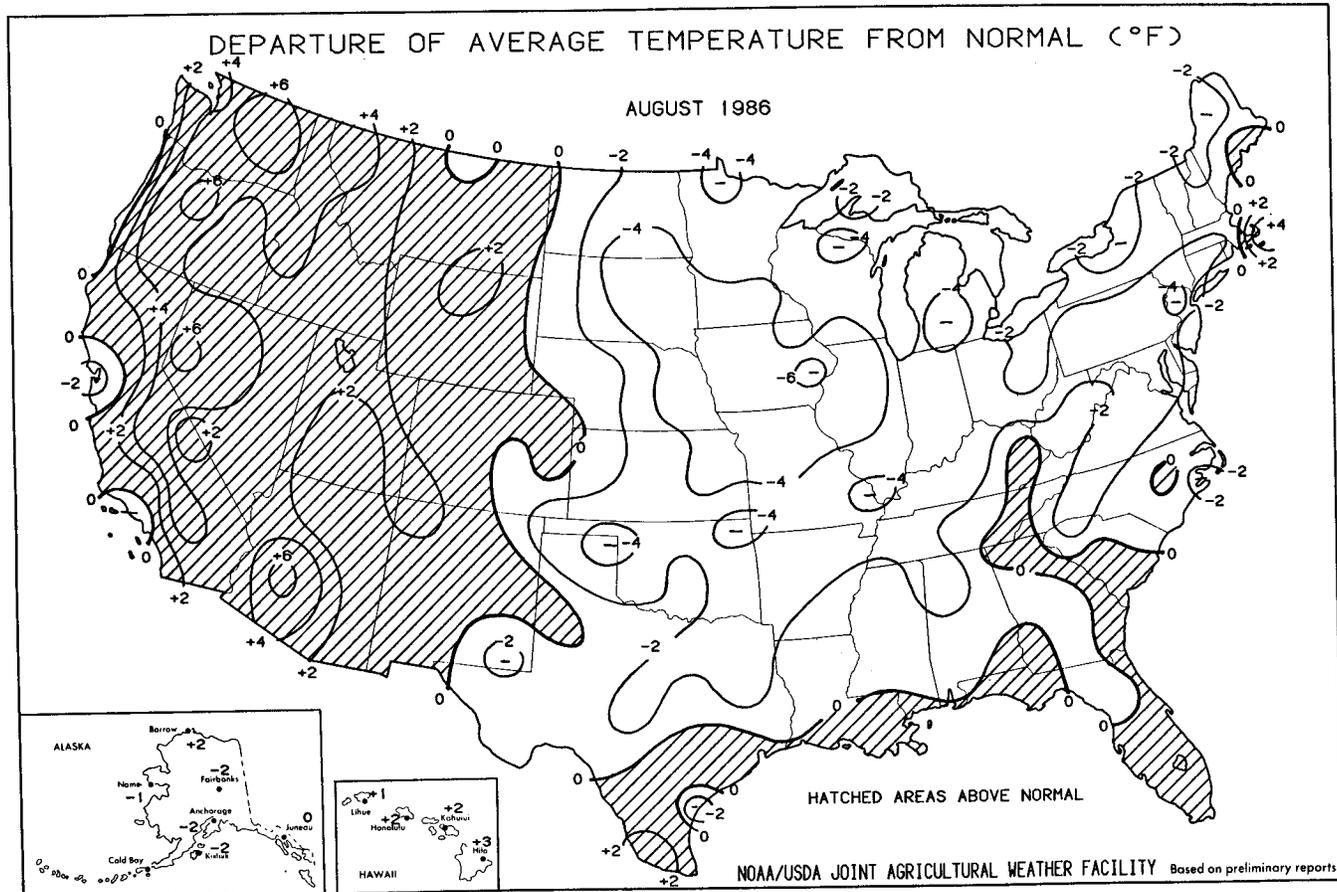
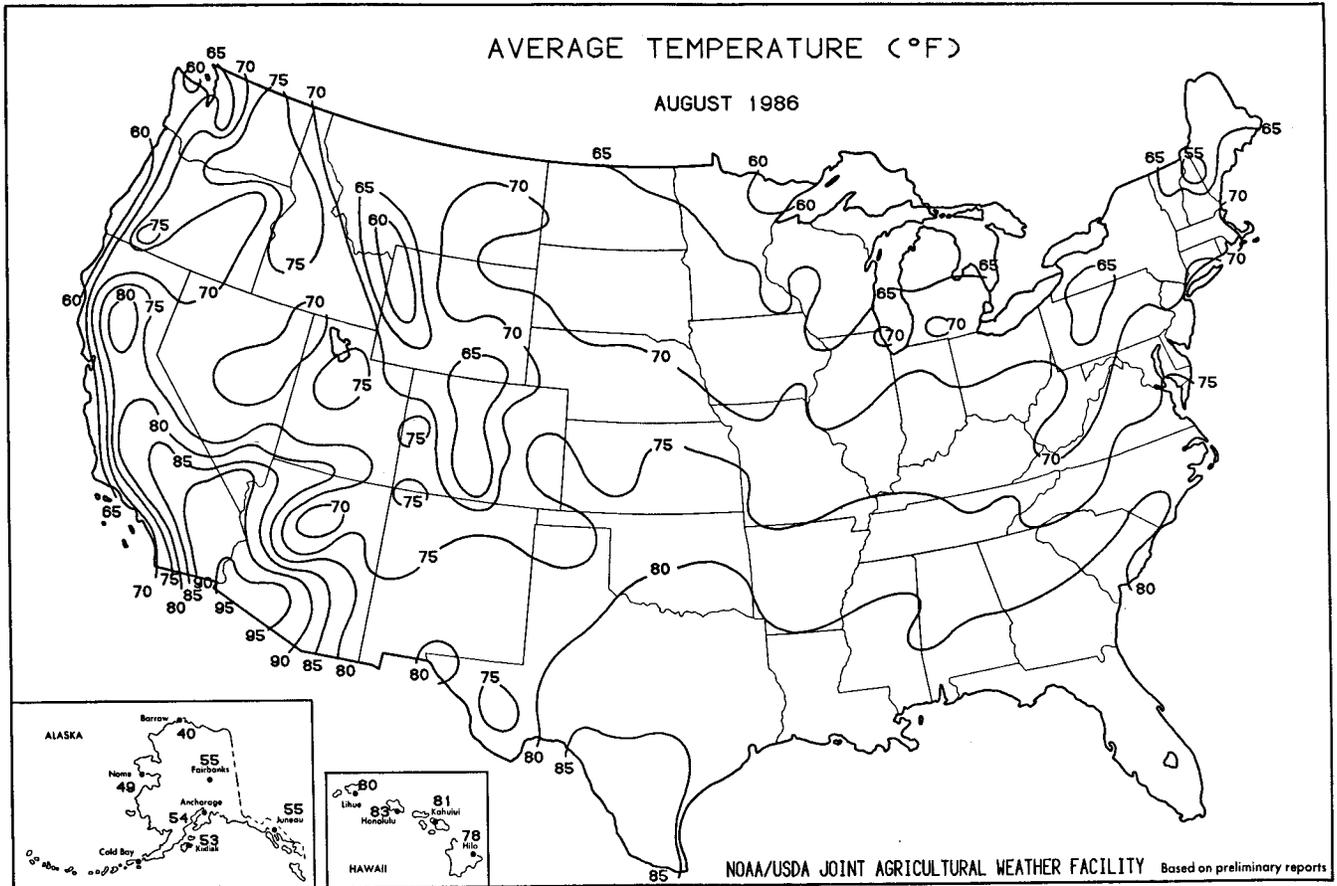
At month's end, soybeans were setting pods on 92 percent of the acreage compared with 89 percent normally. Pod setting was ahead of normal in all States except Alabama, Arkansas, Michigan, Mississippi, South Carolina, and South Dakota. Soybeans were shedding leaves on 5 percent of the acreage, 3 points ahead of normal. Soybeans were shedding leaves in 14 of the 19 major producing States. The lack of moisture restricted growth and development in the Delta and in the Southeast during most of August.

Overall cotton was mostly fair to good during August. However, condition was mostly poor in the Southeast. Dryness limited growth through the Delta and Southeast nearly the entire month. At the end of August, rain induced growth causing cotton to bloom at the same time bolls were opening in some Delta States. Bolls were open on 30 percent of the acreage, equalling 1985 but 8 points ahead of the average. At month's end, harvest was underway in Arizona, Louisiana, and in Texas.

Sorghum was 23 percent harvested, exceeding 1985 and the average by 3 points. Harvest advanced rapidly across the Delta and equaled or exceeded the average in all major producing States except Texas. Sorghum turning color at 61 percent completion was 15 points above average. Maturity slowed and ended the month only 3 points ahead of normal. Heading was virtually finished in all States except Oklahoma.

Winter wheat harvest neared completion in the Pacific Northwest at the end of August. Plowing for seeding the 1987 crop was active during most of August. Winter wheat seeding was underway in Kansas, Oklahoma, Minnesota, and Texas on August 31. Spring wheat harvest lagged behind normal in all States except Idaho. Harvest was 72 percent finished compared with the 80 percent average. Last year, only 68 percent was harvested by this time. Wetness and cool temperatures slowed maturity which hampered harvest in most States during August.





Temperature and Precipitation Data for August 1986

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	5.6	1.8	LA ALEXANDRIA	82	-1	5.9	2.9	DAYTON	70	-3	2.0	-1.1
MOBILE	81	-1	5.6	-1.2	BATON ROUGE	82	1	6.4	1.3	TOLEDO	67	-3	6.0	2.8
MONTGOMERY	80	-1	2.7	-0.5	LAKE CHARLES	82	0	4.9	-0.5	YOUNGSTOWN	67	-2	1.7	-1.8
AK ANCHORAGE	55	-2	3.6	1.5	NEW ORLEANS	82	0	6.8	0.8	OK OKLAHOMA CITY	80	-1	3.3	0.9
BARROW	40	-2	0.7	-0.3	SHREVEPORT	81	-2	1.7	-0.8	TULSA	78	-4	4.0	1.0
FAIRBANKS	55	-2	2.4	0.5	ME CARIBOU	61	-1	4.9	1.0	OR ASTORIA	61	1	0.1	-1.4
JUNEAU	55	-2	6.1	1.1	PORTLAND	66	-1	1.9	-1.0	BURNS	69	2	T	-0.8
KODIAK	53	0	6.2	1.0	MD BALTIMORE	73	-3	4.2	-0.4	MEDFORD	77	6	0.0	-0.5
NOME	49	-2	2.8	-0.4	SALESBURY	73	-3	6.3	0.6	PENDLETON	76	4	T	-0.5
AZ FLAGSTAFF	66	1	8.1	5.5	MA BOSTON	70	-2	3.3	-0.4	PORTLAND	72	5	0.1	-1.0
PHOENIX	94	5	1.3	0.2	CHATHAM	74	6	7.8	3.7	SALEM	70	4	T	-0.8
PRESCOTT	74	3	1.7	-1.8	MI ALPENA	62	-2	1.8	-1.4	PA ALLENTOWN	70	-3	3.8	-0.7
TUCSON	86	2	3.6	1.4	DETROIT	69	-2	3.5	0.3	ERIE	69	1	1.8	-2.0
WINSLOW	77	0	0.4	-1.0	FLINT	66	-2	5.2	1.8	HARRISBURG	72	-2	6.3	3.0
YUMA	95	3	0.2	-0.2	GRAND RAPIDS	66	-4	5.3	1.9	PHILADELPHIA	74	-1	3.7	-0.4
AR FORT SMITH	78	-3	5.6	2.6	HOUGHTON LAKE	64	-2	1.8	-1.2	PITTSBURGH	68	-2	3.0	-0.3
LITTLE ROCK	73	-2	4.3	1.8	LANSING	65	-2	2.8	-0.2	SCRANTON	67	-3	4.0	0.5
CA BAKERSFIELD	84	1	0.0	-0.1	MARQUETTE	60	-4	4.6	1.4	RI PROVIDENCE	69	-2	3.3	-0.8
EUREKA	57	0	T	-0.4	MUSKOGEE	65	-3	3.0	-0.2	SC CHARLESTON	80	0	13.4	6.9
FRESNO	84	5	0.0	0.0	SAULT STE. MARI	60	-3	4.6	1.1	COLUMBIA	80	0	9.6	4.0
LOS ANGELES	69	-1	T	-0.1	MN ALEXANDRIA	65	-2	7.2	3.6	FLORENCE	79	-1	5.1	0.3
RED BLUFF	81	0	0.0	-0.2	DULUTH	61	-2	5.3	1.2	GREENVILLE	76	-2	5.9	2.3
SACRAMENTO	75	0	0.0	-0.1	INT'L FALLS	61	-2	1.5	-1.4	SD ABERDEEN	66	-5	2.8	0.9
SAN DIEGO	72	0	0.0	-0.1	MINNEAPOLIS	67	-4	4.4	0.7	HURON	67	-5	2.8	0.8
SAN FRANCISCO	61	-2	0	-0.1	ROCHESTER	64	-4	3.2	-0.7	RAPID CITY	70	-2	1.3	-0.1
STOCKTON	76	-1	T	-0.1	ST. CLOUD	64	-3	5.2	0.9	SIoux FALLS	66	-5	2.8	-0.4
CO DENVER	72	0	0.5	-1.0	MS GREENWOOD	80	-1	1.9	-0.8	TN CHATTANOOGA	78	0	2.7	-0.7
GRAND JUNCTION	76	1	1.0	0.1	JACKSON	80	-1	2.0	-1.7	KNOXVILLE	77	0	3.4	0.4
FUEBLO	73	-1	2.4	0.6	MERIDIAN	80	-1	5.5	2.2	MEMPHIS	79	-1	2.7	-1.0
CT BRIDGEPORT	71	-2	2.4	-1.3	MO COLUMBIA	72	-4	3.0	0.1	NASHVILLE	77	-2	3.4	0.0
HARTFORD	69	-2	3.4	-0.6	KANSAS CITY	72	-5	3.3	-0.3	TX ABILENE	82	-1	2.5	0.0
DC WASHINGTON	74	-3	5.3	0.9	SAINT LOUIS	74	-3	2.2	-0.3	AMARILLO	74	-3	7.1	4.1
FL APALACHICOLA	81	0	12.0	4.5	SPRINGFIELD	74	-3	4.8	2.0	AUSTIN	85	0	1.2	-1.0
DAYTONA BEACH	81	0	3.4	-2.9	MT BILLINGS	70	0	0.5	-0.6	BEAUMONT	82	0	4.0	-1.5
FT. MYERS	83	0	11.0	2.4	GLASGOW	70	1	0.8	-0.6	BROWNSVILLE	85	1	2.2	-0.7
JACKSONVILLE	81	1	9.6	2.4	GREAT FALLS	69	2	0.8	-0.5	CORPUS CHRISTI	83	-2	4.9	1.4
KEY WEST	84	-1	5.7	0.9	HAVRE	67	-1	1.3	0.2	DEL RIO	84	-1	0.8	-0.8
MIAMI	83	1	7.7	0.6	HELENA	68	2	1.8	0.7	EL PASO	80	0	0.8	-0.5
ORLANDO	83	0	5.9	-0.4	KALISPELL	68	5	0.7	-0.8	FORT WORTH	83	-2	1.6	-0.1
TALLAHASSEE	80	-1	11.6	4.3	MILES CITY	72	0	2.1	0.8	GALVESTON	84	0	3.4	-1.0
TAMPA	83	0	5.5	-2.2	MISSOULA	69	4	1.7	0.7	HOUSTON	83	0	3.3	-0.4
WEST PALM BEACH	83	0	4.8	-0.9	NE GRAND ISLAND	70	-4	2.5	-0.1	LUBBOCK	78	0	3.6	1.4
GA ATLANTA	77	-1	6.1	2.7	LINCOLN	71	-4	6.0	2.5	MIDLAND	79	-1	3.9	2.3
AUGUSTA	79	0	11.3	7.3	NORFOLK	69	-4	2.8	0.2	SAN ANGELO	81	-2	2.5	0.7
MACON	80	-1	6.6	3.0	NORTH PLATTE	71	-1	1.2	-0.7	SAN ANTONIO	86	1	1.8	-0.9
SAVANNAH	82	1	12.3	5.7	OMAHA	71	-4	3.4	-0.8	VICTORIA	84	0	3.6	0.3
HI HILO	78	3	10.6	0.6	SCOTTSBLUFF	70	-1	0.9	-0.1	WACO	85	-1	0.7	-1.3
HONOLULU	83	2	0.9	0.3	VALENTINE	69	-4	2.5	0.1	WICHITA FALLS	82	-2	2.1	0.0
KAHULUI	80	1	0.4	-0.1	NV ELKO	71	3	T	-0.6	UT BLANDING	72	2	2.4	1.0
LIHUE	80	1	3.0	1.1	ELY	69	3	1.2	0.6	CEDAR CITY	73	1	3.3	2.2
ID BOISE	76	4	0.1	-0.3	LAS VEGAS	91	3	T	-0.5	MILFORD	74	2	1.5	0.8
LEWISTON	78	5	0.8	0.1	REMO	73	6	0.1	-0.2	SALT LAKE CITY	78	3	1.3	0.4
POCATELLO	71	2	0.1	-0.5	WINNEMUCCA	73	5	0.3	-0.1	VT BURLINGTON	66	-1	5.8	1.9
IL CAIRO	75	-4	3.2	-0.8	NH CONCORD	66	-1	3.7	0.5	VA NORFOLK	77	-1	4.9	-0.5
CHICAGO	68	-4	1.1	-2.4	NJ ATLANTIC CITY	72	-1	3.4	-1.4	RICHMOND	74	-3	6.8	1.8
MOLINE	68	-5	3.2	-0.5	NM ALBUQUERQUE	76	0	2.3	0.8	ROANOKE	72	-2	4.3	0.4
PEORIA	69	-4	1.7	-1.7	CLOVIS	77	1	3.0	0.5	WA COLVILLE	73	7	0.2	-1.0
QUINCY	69	-5	1.1	-2.8	ROSWELL	79	-1	3.0	0.8	QUILLAYTTE	61	2	0.3	-2.6
ROCKFORD	67	-4	2.4	-1.3	NY ALBANY	68	-2	4.1	0.7	SEATTLE-TACOMA	68	4	0.1	-1.2
SPRINGFIELD	70	-4	1.1	-2.1	BINGHAMTON	66	-1	3.0	-0.3	SPOKANE	73	5	0.1	-0.6
IN EVANSVILLE	73	-3	2.1	-1.0	BUFFALO	68	-1	2.7	-1.4	WALLA WALLA	79	5	0.1	-0.6
FORT WAYNE	68	-4	2.8	-0.5	NEW YORK	73	-2	4.6	0.3	YAKIMA	73	4	0.1	-0.3
INDIANAPOLIS	70	-3	1.2	-2.3	ROCHESTER	66	-4	3.3	0.1	WV BECKLEY	68	-1	2.9	-0.8
SOUTH BEND	67	-3	1.9	-2.0	SYRACUSE	67	-3	3.4	-0.4	CHARLESTON	72	-2	4.7	0.6
IA DES MOINES	69	-5	4.5	0.4	NC ASHEVILLE	71	-2	6.2	1.4	ELKINS	67	-1	5.0	0.8
DUBUQUE	65	-5	4.3	-0.2	CHARLOTTE	77	-1	5.4	1.7	HUNTINGTON	73	-1	3.6	-0.2
SIOUX CITY	69	-5	1.9	-1.3	GREENSBORO	74	-3	8.0	3.8	PARKERSBURG	71	-2	3.0	-1.0
KS WATERLOO	66	-4	2.3	-1.4	HATTERAS	77	-1	16.1	10.3	WI GREEN BAY	64	-3	3.9	0.7
CONCORDIA	73	-4	7.6	4.3	NEW BERN	77	-1	12.7	6.4	LA CROSSE	68	-3	2.4	-1.3
DODGE CITY	75	-4	5.6	3.1	RALEIGH	76	-1	12.2	7.7	MADISON	65	-4	4.4	0.6
GOODLAND	74	0	0.8	-1.1	WILMINGTON	79	-1	11.4	4.8	MILWAUKEE	67	-2	8.8	5.7
TOPEKA	72	-5	5.5	1.8	ND BISMARCK	65	-3	1.6	-0.1	WAUSAU	64	-3	2.4	-1.8
WICHITA	76	-4	6.0	3.2	FARGO	66	-3	1.7	-1.0	CASPER	67	1	0.3	-0.3
WY BOWLING GREEN	73	-4	1.4	-1.9	GRAND FORKS	65	-2	1.6	-1.1	CHEYENNE	67	0	1.6	0.2
JACKSON	74	2	2.5	-1.1	WILLISTON	67	-1	1.1	-0.4	LANDER	70	1	0.6	0.2
LEXINGTON	73	-2	2.7	-1.3	OH AKRON-CANTON	69	-2	1.2	-2.1	SHERIDAN	70	2	1.0	0.1
LOUISVILLE	74	-2	2.2	-1.1	CINCINNATI	72	-2	3.8	0.8	PR SAN JUAN	82	0	5.2	-0.7
PADUCAH	74	-3	4.3	1.2	CLEVELAND	69	-2	3.6	0.2					
					COLUMBUS	71	-1	1.6	-2.1					

National Agricultural Summary

September 1 to 7, 1986

HIGHLIGHTS: Cool temperatures slowed crop development across much of the eastern half of the Nation. Rain promoted growth in the central Great Plains, most of the Southeast, and the Delta, but warmer weather is needed for proper development of some crops. Soil moisture continued improving in the Delta and the Southeast. In the Southeast, soil moisture was mostly adequate but was a little short in the Delta. Soil moisture was mostly adequate in the Corn Belt and in the Great Plains. Farmers were able to work 4 to 6 days except most of the Southeast that averaged slightly more than 3 days.

Spring wheat harvest advanced 10 percentage points to 82 percent (%) completion. Harvest was 8 points behind the 80% 5-year average. Winter wheat harvest was near its end in the Pacific Northwest. A few isolated fields remained to be harvested. Winter wheat was 7% seeded, 1 point above the average and 1985. Corn harvest reached 5% completion compared with 3% normally. Eighty-one percent of the acreage reached the dent stage, and 33% was mature. Most soybeans reached the pod setting stage except in the Southeast and the Delta where development is behind normal. Fifteen percent of the acreage was dropping leaves compared with 9% average. Harvest was underway in Illinois and Ohio. Cotton with bolls open was 8 points ahead of normal. Harvest was 8% finished, 3 points above normal. Sorghum was 27% harvested, compared with 23% normally. Rice was 43% harvested, up 10 points from the previous week and 13 points above the average. Flue-cured tobacco harvest lagged behind normal in North Carolina and in Virginia. Livestock was mostly good. Rain improved pastures in the Southeast.

SMALL GRAINS: Spring wheat harvest jumped 10 points to 82% completion. This was 5 points ahead of 1985 but 8 points below normal. Harvest increased 15 points from the previous week in both Idaho and Montana. Harvest was up 8 and 11 points from the previous week in Minnesota and North Dakota, respectively. Despite the rapid harvest progress, harvest was still behind normal in all States except Idaho.

Winter wheat was 7% planted, just slightly ahead of last year and the average. Seeding was underway in 10 of the 20 major producing States ranging from 3% seeded in Georgia to 22% seeded in Washington. Seeding equaled or exceeded the average in nearly all States. Winter wheat harvest was nearly finished in the Pacific Northwest.

CORN: Corn was mostly good to excellent throughout the Corn Belt and the central and northern Plains. Below-normal temperatures slowed maturity in most areas. In the 17 major producing States, 33% of the acreage was mature, nearly doubling 1985 and average. Most of the corn was mature in the Southeast. Harvest was 5% finished, compared with 3% last year and average. Harvest was underway as far north as Iowa and surpassed the average in 7 of the 8 major producing States with harvest underway. Although harvest was underway in the Corn Belt, it was concentrated mostly in the southern half of the Nation.

SOYBEANS: Rain provided moisture in the Southeast, but below-normal temperatures slowed development in most areas. Soybeans were mostly good except in the Delta and in the Southeast where condition was mostly fair to poor. Pod setting was complete or neared completion in most States except Arkansas, Georgia, Kentucky, Mississippi, North

Carolina, and South Carolina. Soybeans were dropping leaves in all major producing States except North Carolina. Leaf droppage advanced to 15% of the acreage, compared with 7% in 1985 and 9% normally. Harvest was just beginning in Illinois and in Ohio.

SORGHUM: Sorghum turning color was 14 points ahead of normal at 74% finished. Despite turning color at a rapid pace, sorghum mature and harvested were only 5 and 4 points above average, respectively. Maturity slowed in most States because of cool temperatures. Harvest began moving further north spreading into Illinois, Kansas, and Oklahoma.

COTTON: Cotton was mostly fair to poor in the Delta and in the Southeast. In the Southwest, cotton was mostly good. In Arizona, short staple acreage was ahead of normal maturity while long staple acreages set bolls rapidly. Rain benefited late planted cotton in Texas. Warmer, drier weather is needed for cotton to develop properly in Texas and Oklahoma. Cotton with open bolls was 8 points ahead of normal, totaling 41% completion. Eight percent of acreage was harvested compared with 5% normally. Harvest was underway in Arizona, Arkansas, Louisiana, Mississippi, and in Texas.

OTHER CROPS: Rice was 43% harvested compared with 30% average. Harvest increased 10 points from the previous week. In Texas, rice harvest was nearing completion. Blast, sheath blight, and birds hampered rice in Arkansas.

Flue-cured tobacco harvest lagged severely behind normal in North Carolina and in Virginia. Less than a third of Virginia's crop was harvested when two-thirds normally would have been harvested by this time. North Carolina's harvest was 21 points slower than normal. Burley tobacco harvest exceeded the normal pace in most States.

Peanuts were mostly fair to good. Late planted peanuts benefited from rain and cooler temperatures. However, with the rain some crop diseases developed. Peanuts were 1% harvested in South Carolina, 3% in Georgia, 7% in Alabama, 9% in Texas, and 54% in Mississippi.

FRUIT AND NUTS: In Florida, growers began irrigating citrus as rain decreased. New crop fruit size was good. Packing houses tested fruit for maturity. California's raisin grape harvest continued, and 90% were on trays. Thompson, flame, and ruby seedless grapes were picked. Stone fruit harvest was virtually finished, but a few peaches were packed. Navel oranges progressed well and showed color. Valencia harvest slowed.

Apple harvest gained momentum. Red and golden delicious apples were packed in Arizona. Golden delicious apples were picked in Oregon. Michigan's apples sized and colored well. New York producers harvested McIntosh apples.

VEGETABLES: Rain provided adequate moisture in Florida. Land preparation and planting fall vegetable crop was active. Early planted vegetables were good. In Texas, wetness limited vegetable harvest. Early planted vegetables were up to good stands in the Rio Grande Valley. Lettuce, broccoli, and cauliflower were planted in western Arizona. California vegetable harvest consisted mostly of artichokes, snap beans, broccoli, cauliflower, celery, sweet corn, cucumbers, melons, and lettuce. Lettuce planting continued in the Palo Verde Valley. Fall sweet corn was tasseling in Fresno.

PASTURES AND LIVESTOCK: Livestock was mostly good and movement from summer pastures continued. Rain improved pastures in the Southeast. Condition was fair to good in the Delta and in the Southeast. Pastures were mostly good elsewhere.

CROP PROGRESS

FOR WEEK ENDING SEPTEMBER 7, 1986

	SOYBEANS % SETTING PODS			SOYBEANS % DROPPING LEAVES		
	1986	1985	AVG.	1986	1985	AVG.
ALA	93	91	91	5	2	4
ARK	85	85	84	9	0	3
GA	88	93	88	8	8	8
ILL	100	100	100	35	13	15
IND	100	100	98	20	9	10
IOWA	100	100	100	8	10	8
KANS	98	95	90	20	15	15
KY	88	86	87	23	12	11
LA	95	95	94	11	2	4
MICH	100	96	99	5	3	10
MINN	99	98	99	6	4	9
MISS	85	96	88	21	6	8
MO	99	97	88	14	2	8
NEBR	100	100	100	8	3	3
N C	85	78	80	0	0	0
OHIO	100	100	100	15	8	8
S C	70	80	83	1	0	0
S DAK	93	97	100	20	12	25
TENN	90	94	97	9	7	6
19 STATES	96	96	95	15	7	9

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

THESE 19 STATES PRODUCED 96% OF THE 1985 SOYBEANS CROP.

	COTTON % BOLLS OPENING			COTTON % HARVESTED		
	1986	1985	AVG.	1986	1985	AVG.
ALA	44	56	35	0	0	0
ARIZ	60	75	65	1	NA	NA
ARK	67	50	38	4	0	0
CALIF	55	50	38	0	0	0
GA	37	43	32	0	1	2
LA	85	76	50	6	4	2
MISS	97	60	57	8	1	0
MO	29	23	38	0	0	0
N MEX	53	40	42	0	0	0
N C	55	60	55	0	0	0
OKLA	20	20	10	0	1	0
S C	47	72	59	0	2	0
TENN	45	55	30	0	0	0
TEX	16	27	22	13	13	11
14 STATES	41	42	33	7	NA	NA

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

EXCL. STATES WITH NA 8 7 5

THESE 14 STATES PRODUCED 100% OF THE 1985 COTTON CROP.

NA - NOT AVAILABLE.

	SPRING WHEAT % HARVESTED			RICE % HARVESTED			
	1986	1985	AVG.	1986	1985	AVG.	
IDAHO	85	81	76	23	13	8	
MINN	76	61	88	0	0	0	
MONT	85	90	90	85	67	71	
N DAK	78	73	89	56	22	12	
S DAK	95	90	98	95	69	90	
5 STATES	82	77	90	5 STATES	43	29	30

THESE 5 STATES PRODUCED 95% OF THE 1985 SPRING WHEAT CROP.

THESE 5 STATES PRODUCED 97% OF THE 1985 RICE CROP.

	CORN % MATURE			CORN % HARVESTED		
	1986	1985	AVG.	1986	1985	AVG.
COLO	5	6	9	0	0	0
GA	100	99	96	76	65	62
ILL	50	23	25	4	0	0
IND	60	25	15	2	0	0
IOWA	25	12	17	1	0	0
KANS	55	35	30	5	3	4
KY	60	34	27	10	5	1
MICH	5	3	10	0	0	0
MINN	8	4	7	0	0	0
MO	79	68	42	12	7	7
NEBR	15	2	6	0	0	0
N C	95	92	83	18	22	22
OHIO	24	20	19	0	0	0
PA	10	8	3	0	0	0
S DAK	20	8	21	0	0	0
TEX	77	74	NA	67	58	52
WIS	14	9	14	0	0	0
17 STATES	34	20	NA	5	3	3

EXCL. STATES WITH NA 33 19 19
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

NA - NOT AVAILABLE.

	CORN % DOUGH		
	1986	1985	AVG.
COLO	88	94	91
GA	100	100	100
ILL	100	100	100
IND	100	100	97
IOWA	98	97	91
KANS	100	97	95
KY	100	100	100
MICH	85	90	96
MINN	97	94	95
MO	100	100	97
NEBR	100	100	94
N C	100	100	100
OHIO	100	100	100
PA	98	86	88
S DAK	81	74	83
TEX	100	98	NA
WIS	89	75	81
17 STATES	97	95	NA

EXCL. STATES WITH NA 81 71 69
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

EXCL. STATES WITH NA 97 95 94
THESE 17 STATES PRODUCED 93% OF THE 1985 CORN CROP.

NA - NOT AVAILABLE.

NA - NOT AVAILABLE.

WINTER WHEAT % PLANTED			GRAIN SORGHUM % MATURE			GRAIN SORGHUM % HARVESTED			GRAIN SORGHUM % COLORING						
1986	1985	AVG.	1986	1985	AVG.	1986	1985	AVG.	1986	1985	AVG.				
ARK	0	0	0	ARK	80	NA	NA	ARK	67	37	30	ARK	93	NA	NA
CALIF	0	0	0	ILL	30	NA	NA	ILL	2	0	0	ILL	75	NA	NA
COLO	15	10	12	KANS	15	4	5	KANS	3	1	2	KANS	65	35	35
GA	3	1	0	LA	99	91	83	LA	90	71	67	LA	100	99	95
IDAHO	0	0	0	MISS	91	91	75	MISS	60	33	26	MISS	99	NA	NA
ILL	0	0	0	MO	40	42	37	MO	13	9	8	MO	83	79	76
IND	0	0	0	NEBR	5	5	2	NEBR	0	0	0	NEBR	80	55	55
KANS	4	4	3	OKLA	15	15	20	OKLA	3	5	3	OKLA	85	90	70
MICH	0	0	0	S DAK	13	4	9	S DAK	0	0	0	S DAK	66	34	55
MO	0	0	0	TENN	60	55	NA	TENN	30	12	NA	TENN	90	91	NA
MONT	5	15	5	TEX	63	70	66	TEX	56	60	62	TEX	75	84	80
NEBR	10	4	10												
N MEX	20	NA	NA	11 STATES	39	NA	NA	11 STATES	27	23	NA	11 STATES	77	NA	NA
N C	0	0	0	EXCL. STATES				EXCL. STATES				EXCL. STATES			
OHIO	0	0	0	WITH NA	36	34	31	WITH NA	27	23	23	WITH NA	74	61	60
OKLA	5	5	5	THESE 11 STATES PRODUCED 94%				THESE 11 STATES PRODUCED 94%				THESE 11 STATES PRODUCED 94%			
OREG	0	0	2	OF THE 1985 GRAIN SORGHUM CROP.				OF THE 1985 GRAIN SORGHUM CROP.				OF THE 1985 GRAIN SORGHUM CROP.			
S DAK	19	10	18												
TEX	11	7	5												
WASH	22	22	24												
20 STATES	7	NA	NA												
EXCL. STATES															
WITH NA	7	6	6												
THESE 20 STATES PRODUCED 91%															
OF THE 1985 WINTER WHEAT CROP.															
NA - NOT AVAILABLE.															

For Information Call: (202) 447-7310

WEEKLY CROP WEATHER CONDITION PERCENT REPORT

GRAIN SORGHUM

STATE	VP	P	F	G	EX
ARK	0	5	77	18	0
ILL	0	0	0	78	22
KANS	0	2	11	29	58
MISS	4	14	62	20	0
MO	4	6	30	52	8
NEBR	0	1	3	59	37
OKLA	0	0	40	60	0
S DAK	0	0	23	75	2
TEX	0	0	36	48	16

RICE

STATE	VP	P	F	G	EX
ARK	0	0	22	78	0
CALIF	0	0	10	80	10
MISS	6	10	29	55	0
TEX	0	0	23	62	15

SOYBEANS

STATE	VP	P	F	G	EX
ALA	3	24	68	5	0
ARK	10	36	42	12	0
GA	7	23	50	20	0
ILL	0	0	11	64	25
IND	0	3	38	53	6
IOWA	0	0	7	60	33
KANS	0	0	2	9	89
KY	1	4	44	49	2
LA	0	10	64	26	0
MICH	1	4	20	55	20
MINN	1	2	30	62	5
MISS	22	52	20	6	0
MO	3	6	32	49	10
NEBR	0	0	6	58	36
N C	0	15	53	32	0
OHIO	0	0	26	72	2
S C	4	19	65	12	0
S DAK	0	0	22	60	18
TENN	7	14	76	3	0

COTTON

STATE	VP	P	F	G	EX
ALA	3	30	65	2	0
ARIZ	0	0	0	85	15
ARK	4	20	24	52	0
CALIF	0	0	5	85	10
GA	9	25	51	15	0
LA	0	0	63	37	0
MISS	15	19	56	10	0
MO	8	25	56	5	6
N MEX	0	0	29	71	0
N C	5	5	53	32	5
OKLA	0	0	10	90	0
S C	44	37	19	0	0
TENN	2	12	50	36	0
TEX	0	3	59	35	3

CORN

STATE	VP	P	F	G	EX
COLO	1	8	15	60	16
GA	10	48	33	9	0
ILL	0	0	2	49	49
IND	0	0	29	60	11
IOWA	0	0	5	47	48
KANS	0	0	7	19	74
KY	2	9	48	38	3
MICH	1	4	15	55	25
MINN	1	2	16	61	20
MO	1	7	13	53	26
NEBR	0	2	5	56	37
N C	23	27	34	16	0
OHIO	0	0	15	66	19
PA	1	3	16	50	30
S DAK	1	1	13	63	22
TEX	0	0	15	60	25
WISC	2	2	4	46	46

VP - VERY POOR P - POOR F - FAIR G - GOOD EX - EXCELLENT

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 NASS State Statistical Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures averaged 1° below normal. Rainfall totals mostly 1.00 to 2.00 in.; over 3.00 in. Calhoun, Monroe counties.

Days suitable for fieldwork 4.0. Soil moisture 43% short, 52% adequate, 5% surplus. Showers, thunderstorms continued to help most row crops throughout State. Peanuts dug 7%, 16% 1985, 11% avg.; 86% fair, 14% good. Primary activities: Harvesting corn, sorghum, hay; applying fungicides to peanuts; controlling insects on row crops; preparing land for winter grazing; routine care of livestock, poultry.

ALASKA: Weather conditions varied throughout Railbelt. Temperature highs generally warmer than normal, lows normal to cooler than normal. Seasonal precipitation ranged from just below normal few areas to above normal showers continued to add surplus to already wet areas.

Days suitable for fieldwork 4.5. Topsoil moisture 1% short, 89% adequate, 10% surplus. Barley for grain harvest over 60% complete. Second crop hay harvest nearing half-way point most areas. Commercial potato harvest for storage began on several farms. Commercial vegetable harvest continued with excellent quality available.

ARIZONA: Precipitation confined to Mogollon Rim, White Mountains, southeast; amounts from traces to 0.50 in. No rain reported 4th, 6th. By 7th, afternoon temperatures reached 80s high country, 90s at 5000 ft., 105 to 114° lower deserts. Averages 2° below normal to 7° above.

Cotton harvest west. Water shutoff common. Defoliant sprayed. Many short staple acreages ahead of normal maturity central. Long staple acreages setting bolls rapidly. Insect populations heavier than normal central. Controls applied. Alfalfa hay cut. Weeds heavy isolated areas. Sudan grass cutting advanced. Corn, sorghum good. Corn tasseled, approaching maturity southeast. Western corn emerged, silage harvested. Sorghum headed, turning color. Peanuts good, sesame harvested. Lettuce, cauliflower, broccoli planted west. Lettuce seeding advanced central. Fall melons, sweet corn good. Green onions, potatoes shipped. Honeydew, cantaloup movement continued. Lemons packed. Citrus groves good. Red, golden delicious apples packed.

ARKANSAS: Very cool week, record low temperatures. Weak cold front brought widely scattered showers midweek. Temperature extremes 49°; 93°. Rainfall none to 4.74 in.

Days suitable for fieldwork 6.0. Soil moisture 49% short, 46% adequate, 5% surplus. Crop growth moderate. Major activities: Harvesting apples; seeding fall pastures; baling hay; draining rice; defoliating cotton; harvesting rice, sorghum, corn; irrigating, spraying soybeans; preparing land for winter wheat planting; vaccinating for Brucellosis. Worms caused problems in soybeans. Recent rains, cool weather beneficial to soybeans, pastures. Rice hampered by blast, sheath blight, birds. Charcoal rot caused lodging in sorghum. Flies, ticks problem in livestock. Anaplasmosis reported in two areas.

CALIFORNIA: Temperatures warmed as high pressure system drifted eastward. Coastal areas, sea breezes offset warm air near normal temperatures. High pressure prevented penetration marine air, central valley temperatures 4 to 5° above normal.

Warm, open weather resulted in rapid crop development. Many cotton fields receiving final irrigation. Defoliation expected mid-September. Rice harvest expected by 15th. Late wheat, barley harvests north State, about complete. Considerable damage from July frosts. Wild rice, safflower, sesame, sunflowers, silage corn, sugarbeets, alfalfa seed, dry beans, hay harvests made good progress. Seedbed preparations, fall grains active. Granny Smith apples, figs picked. Raisin grape harvest continued, 90% on trays. Table grape varieties picked Thompson Seedless, Flame Seedless, Ruby Seedless. Wine grape harvest active most areas, many varieties; one of earliest seasons ever; some powdery mildew. Kiwi harvest begin few weeks. Stone fruit, prune harvest virtually complete; few peaches packed. Pomegranates picked. Navel oranges progressed, showing color. Summer grapefruit, desert lemons, picked. Valencia oranges harvested; slow pace, granulation reported. Almond harvest continued; some areas 50% complete. Pistachio harvest underway, growers look to large crop. Walnut harvest began, full swing expected 1 to 2 weeks. Artichoke moderate, variable quality; central coast. Snap beans harvested, Coachella Valley, Merced County. Broccoli moderate, good quality; Salinas, Santa Maria. Fall fields, Huron districts sprayed insects. Blueberries finished, raspberries picked; Calaveras County. Carrot fairly heavy, good quality; Salinas. Cauliflower, celery, moderate good quality; Salinas, Santa Maria. Sweet corn harvest active, Riverside County. Fall sweet corn tasseling, Fresno. Cucumbers packed, fall fields normal growth, Tulare County. Lettuce moderate, variable quality, Salinas. Fall fields, Westside progressed well. Early planting Palo Verde Valley continued. Melon harvest, Madeira County active, honeydew harvest, Sacramento Valley, full swing. Harvest watermelon, cantaloup, other melons winding down. Dry onion digging active, Perris-Hemet, dehydrator onion harvest full swing, Westside. Summer potatoes harvested, Hemet-San Jacinto, fall planted fields good growth. Early fall potato fields harvested, Siskiyou County. Packing shed completed shipping 1985 crop. Sweetpotato harvest active, San Joaquin Valley. Pumpkin plantings good growth, fruit set, Riverside County. Processing, fresh market tomato harvest progressed well statewide. Pastures continued dry. Risk of fire high most districts. Water supplies low. Supplemental feeding gained momentum. Calving underway some areas.

COLORADO: Temperatures averaged from 11° below to 1° above normal. Precipitation totals averaged trace to 2.24 in.

Days suitable for fieldwork 5.0. Soil moisture 6% very short, 30% short, 55% adequate, 7% surplus. Barley harvested 90%, 90% 1985, 88% avg. Dry beans cut 34%, 46% 1985, 38% avg. Sorghum turning color 40%, 30% 1985, 41% avg. Livestock, range, pasture good.

FLORIDA: Cool northwest early week, then turning very warm, 7th. Near normal elsewhere. Scattered thunderstorms statewide with variable rainfall.

Soil moisture adequate, except surplus low lying areas. Corn harvest virtually complete. Peanuts good, harvest beginning. Tobacco harvest virtually complete, marketing active. Cotton good progress; open bolls present. Soybeans good. Hay harvest curtailed by frequent rain. Sugarcane excellent progress. Some upper Peninsula pastures fair to good; others good to excellent. Armyworm

controls applied to hay, pastures. Cattle good to excellent. Some growers irrigating citrus as rains decreased. Groves very good. Excellent new growth, trees of all ages. Fruit sizes good. Packing houses testing fruit for September harvest. Typical summertime weather vegetable areas; daytime highs 90s, nighttime lows 70s. Afternoon, evening rains provided adequate moisture. Land preparation, planting fall crops continued active. Early planted fields, good condition.

GEORGIA: Rainfall exceeded 2.00 in. north, less than 1.00 in. most of south. Habersham County heaviest, 4.00 in. range. Totals 3.00 in. range Macon, Byron, Columbus. Highest temperatures low 80s mountains to low 90s extreme south. Lowest readings 50s north, 60s central, south. Temperatures 3 to 5° below normal north, 1 to 2° below normal central, south.

Days suitable for fieldwork 3.0. Soil moisture 3% very short, 19% short, 63% adequate, 15% surplus. Sorghum grain 1% very poor, 29% poor, 56% fair, 14% good. Peanuts 2% very poor, 9% poor, 55% fair, 34% good; 3% dug, 23% 1985, 9% avg.; 2% threshed, 9% 1985, 4% avg. Tobacco 10% poor, 40% fair, 50% good; 95% harvested, 96% 1985, 95% avg. Rye 1% planted, 1% 1985. Apples 5% very poor, 20% poor, 65% fair, 10% good; 50% harvested, 47% 1985, 60% avg. Pecans 5% very poor, 17% poor, 61% fair, 17% good. Pasture 3% very poor, 22% poor, 42% fair, 30% good, 3% excellent. Hay 6% very poor, 27% poor, 43% fair, 23% good, 1% excellent. Cattle 7% poor, 51% fair, 41% good, 1% excellent. Hogs 3% poor, 26% fair, 66% good, 5% excellent. Main activities: Harvesting, land preparation, spraying for insects, disease.

HAWAII: Skies mostly clear. Northeasterly winds averaged 10 to 20 mph. Record high temperatures 4th, 7th. Irrigation active most areas; light showers windward, mountain areas. Temperatures ranged upper 60s to lower 90s. Rainfall ranged none to 8.40 in.

Days suitable for fieldwork 7.0. Weather mostly favorable for crop development. High temperatures slowed progress some vegetable crops. Pineapple, sugarcane harvesting active. Papaya orchards good; output continued seasonal low.

IDAHO: Fair weather over most of State during week, showers late week. North temperatures below normal, rainfall above normal. Southern half, cool somewhat dryer.

Days suitable for fieldwork 6.0. Harvest of small grains wrapping up. Potatoes mostly good condition, some hollow heart problems appearing. Harvest underway, progressing slowly. Second cutting alfalfa hay virtually complete, 3rd cutting underway. Range, pastures improved with showers, milder temperatures. Livestock good.

ILLINOIS: Temperatures averaged normal to 7° below normal. Precipitation none to 1.37 in. Heaviest southwest. Most stations less than 0.25 in.

Days suitable for fieldwork 6.5. Soil moisture 63% short, 37% adequate. Soybeans turning yellow 60%, 40% 1985, 39% avg.; harvested 3%, none 1985, none avg. Alfalfa 1% poor, 22% fair, 65% good, 12% excellent; alfalfa 3rd crop cut 90%, 86% 1985, 83% avg. Pasture 1% very poor, 2% poor, 38% fair, 43% good, 6% excellent. Major farm activities: Harvesting corn for silage and seed, tending livestock, harvesting hay.

INDIANA: Average temperatures ranged from 1 to 4° below normal. Maximums ranged 80s to near 90°. Minimums mid and upper 30s. Precipitation quite light. Most totals generally less than 0.25 in., with northeast receiving largest amount.

Fieldwork averaged 5.4 days. Topsoil moisture

58% short, 42% adequate. Subsoil moisture 52% short, 47% adequate, 1% surplus. Corn mostly good. Soybeans fair to mostly good. Soybeans 60% turning yellow, 20% 1985, 40% avg. Tobacco 45% harvested, 40% 1985, 20% avg. Winter wheat cropland 31% plowed, 30% 1985, 21% avg. Silos 40% filled, 20% 1985, 20% avg.

IOWA: Cool, dry week. Precipitation normal to 1.60 in. Temperature extremes 35°; low 80s.

Days suitable for fieldwork 6.0. Topsoil moisture 9% short, 89% adequate, 2% surplus; subsoil moisture 2% short, 95% adequate, 3% surplus. Hay 1% poor, 14% fair, 65% good, 20% excellent. Third crop alfalfa harvested 80%, 78% 1985, 75% avg. Seed corn harvest underway, some silage chopped. Soybeans good to excellent. Soybean with leaves turning 34%, 41% 1985, 35% avg.; soybeans mature 3%, 7% 1985, 3% avg. Livestock mostly good; no major disease problems. Pastures mostly good.

KANSAS: Temperatures averaged 66 to 70°, 2 to 4° below normal north, 5 to 7° below normal south. Precipitation averaged less than 0.10 in. central and east central, 0.50 to 1.00 in. southwest, west central, north central and 0.20 to 0.40 in. elsewhere.

Days suitable for fieldwork 5.5. Topsoil moisture 19% short, 77% adequate, 4% surplus. Sorghum maturing rapidly, some harvest underway eastern counties. Corn earworm infestations present many areas, levels not as high as expected. Corn rapid maturity, harvest underway most areas, no problems noted. Soybeans good progress, no problems. Wheat seeding underway western areas, seedbed preparation nearing completion. Range, pasture good to excellent except for west.

KENTUCKY: Beginning and end of week cool, midweek very warm. Maximum readings mid 80s to lower 90s, lows upper 40s to mid 50s. Rainfall varied from light west to heavy east. Amounts ranged from 0.50 in. or less west to nearly 3.00 in. extreme east. Central areas averaged 1.00 to 2.00 in.

Days suitable fieldwork 4.5. Soil moisture 23% very short, 50% short, 26% adequate, 1% surplus. Burley 58% cut, 64% 1985, 49% avg. Dark tobacco 58% cut, 62% 1985. Tobacco still in field mostly fair. Corn for grain harvest 10% complete; silage harvest 55% complete. Recent rains helped late soybeans. Half of all soybeans leaves entirely green. Pastures poor to fair. Winter hay supply below normal most areas.

LOUISIANA: Temperature 3° below to 2° above normal. Temperature extremes 49°; 98° Rainfall averaged 0.20 to 2.90 in.

Days suitable for fieldwork 5.6. Soil moisture 50% short, 40% adequate, 10% surplus. Cotton 6% harvested, 4% 1985, 2% avg. Corn 97% harvested, 87% 1985, 80% avg. Rice 94% ripe, 85% 1985, 82% avg. Soybeans 33% leaves turning color, 16% 1985, 19% avg. Sugarcane good; 45% planted, 7% 1985, 20% avg. Sweetpotatoes fair to good; 46% harvested, 45% 1985, 41% avg. Hay final cutting 70% complete, 62% 1985, 47% avg. Vegetables good; pasture, livestock fair to good. Main activities: Baling hay; harvesting corn, rice, sorghum, sweetpotatoes, cotton; planting sugarcane.

MARYLAND & DELAWARE: **Maryland:** Temperatures averaged 5° below normal over State; lowest temperature 33° Oakland; highest temperature 82° Bel Air, Royal Oak, Cambridge, Salisbury, Snow Hill. Precipitation averaged 0.41 in., ranging from 0.02 in. Salisbury to 0.79 in. Frederick.

Days suitable for fieldwork 4.8. Topsoil moisture mostly adequate. Subsoil moisture short. Field corn fair. Field corn 3% harvested, 7% 1985, 3% avg.; 36% corn for silage harvested, 41% 1985, 44%

avg. Soybeans mostly good. Soybeans 86% podding, 91% 1985, 87% avg.; 9% turning, 16% 1985, 18% avg.; 1% shedding, 1% 1985. Tobacco good. Tobacco 42% harvested, 65% 1985, 66% avg. Watermelons 88% harvested, 100% 1985, 88% avg. Tomatoes 92% harvested, 96% 1985, 92% avg. Pasture mostly fair. Apples good. Apples 31% harvested, 37% 1985, 28% avg. Peaches good. Peaches 90% harvested. Alfalfa 29% 4th cutting harvested, 36% 1985, 34% avg.

Delaware: Temperatures averaged 6° below normal over State; lowest temperature 42° Georgetown; highest temperature 81° Dover, Milford. Precipitation averaged 0.28 in., ranging from 0.08 in. Georgetown to 0.50 in. Wilmington.

Days suitable for fieldwork 5.5. Topsoil moisture mostly adequate. Subsoil moisture mostly short. Field corn mostly fair. Field corn 92% dent, 84% 1985, 77% avg.; 52% mature, 34% 1985, 28% avg.; 3% harvest complete for grain, 6% 1985, 5% avg.; 75% harvested complete for silage, 33% 1985, 40% avg. Soybeans mostly good. Soybeans 99% blooming, 100% 1985, 97% avg.; 74% podding, 88% 1985, 89% avg.; 12% turning, 19% 1985, 13% avg. Vegetables, melons harvested. Watermelons 99%, 95% 1985, 94% avg.; cantaloupes 99%; tomatoes 86%. Pasture mostly fair. Alfalfa 4th cutting 90% harvested, 74% 1985, 36% avg. Apples 30% harvested. Peaches 99% harvested.

MICHIGAN: Temperatures ranged 3° below to 1° above normal. Temperature extremes 34°; 84°. Precipitation ranged from none to 2.70 in. across State.

Days suitable for fieldwork 6.0. Soil moisture 25% short, 75% adequate. Corn 85% dough, 90% 1985, 96% avg.; dent 40%, 45% 1985, 50% avg.; mature 5%, 3% 1985, 10% avg.; 1% very poor, 4% poor, 15% fair, 55% good, 25% excellent. Soybeans 100% setting pods, 96% 1985, 99% avg.; turning 35%, 35% 1985, 45% avg.; 1% very poor, 4% poor, 20% fair, 55% good, 20% excellent. Dry beans 40% shedding, 35% 1985, 55% avg. Corn silage harvest underway. Dry bean harvest underway. Apple color, sizing excellent. Stanley plum picking northwest.

MINNESOTA: Temperatures averaged near normal to 3° below normal for State. Temperature extremes 30°; 87°. Precipitation averaged 0.61 to 0.94 in. above normal for northern third of State and east central, near normal to 0.46 in. below normal elsewhere. Greatest weekly total 2.89 in.

Days suitable for fieldwork 3.6. Topsoil moisture 2% short, 64% adequate, 34% surplus. Cool, wet week across State. Weekly rains continued to hold off completion of small grain harvest. Very little harvest or fieldwork done during week. Warm, dry weather necessary to complete small grain harvest and push row crop development past the danger of a killing frost. Some frost damage to corn, soybeans, potatoes reported northwest. Some farmers worrying about wet conditions not allowing them to chop silage to fill silos. Spring wheat 92% cut, 84% 1985, 95% avg. Oats 99% cut, 98% 1985, 99% avg.; 94% combined, 89% 1985, 96% avg. Barley 98% cut, 94% 1985, 98% avg.; 92% combined, 82% 1985, 95% avg. Field corn 3% cut for silage, none 1985, 5% avg. Soybeans 47% yellowing, 38% 1985, 48% avg. Sweet corn 76% harvested for processing, 63% 1985, 71% avg. Flax 21% harvested, 19% 1985, 39% avg. Potatoes 14% harvested, 12% 1985, 13% avg. Dry edible beans 14% harvested, 9% 1985, 14% avg. Winter wheat 40% seeded for 1987 crop, 15% 1985, 35% avg. Rye 37% seeded for 1987 crop, 20% 1985, 34% avg. Small grain, hay 40% stubble plowed, 28% 1985, 46% avg.

MISSISSIPPI: Temperatures slightly below normal, extremes 51°; 94°. Considerable cloudiness and

southerly winds kept State warm and humid, scattered thunderstorms each evening. Cold front moved thru over weekend. Greatest 24-hour total 2.30 in.

Days suitable for fieldwork 4.8, 3.5 1985, 5.4 avg. Soil moisture 15% very short, 42% short, 41% adequate, 2% surplus. Corn 5% poor, 26% fair, 55% good, 14% excellent; 99% mature, 97% 1985; 67% harvested, 33% 1985, 26% avg. Watermelons 100% harvested, 89% 1985. Hay 86% harvested, 78% 1985, 84% avg. Sorghum silage 87% harvested, 82% 1985, 69% avg. Corn silage 97% harvested, 84% 1985, 80% avg. Sweetpotatoes 43% harvested, 27% 1985, 19% avg. Peanuts 54% harvested, 40% 1985, 31% avg. Wheat 1% planted.

MISSOURI: Temperatures continued unseasonably cool, averaging 2° below normal. Precipitation light, less than 0.25 in.

Days suitable for fieldwork 6.2. Soil moisture 69% short, 30% adequate, 1% surplus. Soybeans 5% mature, 1% 1985, 2% avg. Alfalfa 3rd cutting 95%, 90% 1985, 81% avg. Pasture 4% very poor, 28% poor, 46% fair, 21% good, 1% excellent.

MONTANA: Heavy rain 1.50 to 3.00 in. parts north central, central, southeast early week. Most other areas 0.25 to 0.50 in. Rain late week 0.25 in. plains. Mild west temperatures averaged few degrees above normal. Late week 1 to 3° below normal southwest, 3 to 8° below normal elsewhere.

Days suitable for fieldwork 4.6. Topsoil moisture 39% short, 59% adequate, 2% surplus. Subsoil moisture 38% short, 62% adequate. Barley harvested 80%, 85% 1985, 85% avg. Corn silage, dry bean harvest started. Sugarbeet harvest expected to start September 21. Second cutting alfalfa hay harvested 80%, 90% 1985, 85% avg. Cattle moved from summer ranges 15%, 40% 1985, 20% avg.

NEBRASKA: Amounts averaged few tenths Panhandle to 2.00 in. central, east. Temperatures averaged 2 to 6° below normal. Temperature extremes 33°; 88°.

Days suitable for fieldwork 6.0. Topsoil moisture 27% short, 66% adequate, 7% surplus. Subsoil moisture 21% short, 75% adequate, 4% surplus. Corn good to excellent. Evidence of corn borer damage appears minor. Sorghum, soybeans good to excellent. Soybeans turning color 35%, 25% 1985, 20% avg. Alfalfa mostly good. Third cutting 85%, 80% 1985, 80% avg. Pasture, range feed supplies mostly adequate. Cool season grasses good growth for fall grazing.

NEVADA: Slightly above normal temperatures recorded first week September. Extreme southern division warmest 4° above normal while 64° average northeast 2° above normal. Precipitation very sparse, resulted from scattered thunderstorms. Trace amounts recorded several central, northern areas. Wendover recorded 0.03 in. Several northern, central areas reported trace amounts.

High pressure protected State skies during week producing mostly sunny days, fair nights. Consistent maximum temperatures above 100° reported extreme south. Highs 90s typical central, northern areas. Overnight lows ranged from 60s extreme south to freezing mark higher station north.

NEW ENGLAND: Temperatures near normal eastern areas, slightly below normal elsewhere. Average temperatures upper 50s Canadian border, near 60s central, upper 60s coastal. Precipitation 0.30 to 0.50 in. southern Maine, New Hampshire, eastern Vermont, western Massachusetts; trace to 0.20 in. elsewhere.

Days suitable for fieldwork 5.5. Soil moisture 85% adequate, 15% surplus. Grazing availability 10% short, 70% adequate, 20% surplus. Fieldwork progress 4.0 days behind schedule north, on schedule south. Maine potatoes good; less than 5%

harvested; 1% 1985, 3% avg. Field corn less than 5% chopped; 1% 1985, 4% avg. Field corn good to fair north, good to excellent south; slow to mature. Oats 20% combined; 40% 1985, 60% avg. Condition good, lodging evident. Sweet corn 85% picked; 75% 1985, 80% avg. Shade, havana seed tobacco harvest complete. Broadleaf good; 95% picked. Second crop hay 75% cut; 90% 1985, 90% avg. Third crop hay 40% cut; 65% 1985, 50% avg. Heavy crop, quality fair. Maine wild blueberry harvest complete; size excellent, quality poor due to wet conditions. Apple harvest active; size medium to large, color good to fair. Late vegetable season due to cool, cloudy weather. Major field activities: Haying, haylage making, potato, vegetable, sweet corn harvest, fall seedings.

NEW JERSEY: Temperatures averaged slightly below normal. Extremes 43°; 83°. Rainfall averaged 1.48 in. north, 0.68 in. central, 0.55 in. south. Heaviest 24-hour total 2.18 in. on 5th, 6th. Estimated soil moisture percent field capacity averaged 79% north, 72% central, 66% south. Four inch soil temperatures averaged 62° north, 65° central, south.

Cool temperatures continued to slow growth of late season crops. Summer vegetable marketings continued in light to moderate volume. Irish potato harvest active. Sweetpotato digging increased. Late season variety peach harvest active. Harvest of Red Delicious and other fall variety apples increased. Corn silage making general. Early planted soybeans, corn for grain rapidly maturing. Pasture growth good.

NEW MEXICO: Weekly average temperatures near normal over central, western areas, about 4° below normal elsewhere. Temperatures 33° northern mountains to 92° southern desert. Rain over most of State. Precipitation none northwestern plateau, western mountains to above 3.00 in. southeastern plains, northeastern plains.

Days suitable for fieldwork 4.8. Soil moisture 87% adequate, 13% surplus. Hail damage 60% none, 20% moderate, 20% severe. Alfalfa 33% fair, 67% good. Corn 14% fair, 72% good, 14% excellent. Irrigated wheat 100% good. Dryland wheat 33% fair, 67% good. Pecans 20% fair, 60% good, 20% excellent. Chile 75% good, 25% excellent. Cattle 86% good, 14% excellent. Sheep 83% good, 17% excellent. Range 29% fair, 57% good, 14% excellent.

NEW YORK: Temperatures 1 to 6° below normal. Highs 70s, lows 40 to 50s. High pressures through midweek. First half week dry. Frontal system moved across State 5th, 6th bringing showers. Rainfall averaged under 0.25 in. across most of State. Above 0.75 in. received Southern Tier, Catskills, Long Island.

Days suitable for fieldwork 6.0. Corn crop remains good to excellent. Oat harvest 94%, 89% 1985, 93% avg. Second cutting alfalfa 87%, 92% 1985, 3rd cutting alfalfa 31%, 34% 1985, 41% avg. Pastures good. Soil moisture adequate. McIntosh harvest now underway. Bartlett pear harvest continued, Black rot and mildew still problem on grapes along Lake Erie, Finger Lakes regions.

NORTH CAROLINA: Temperatures averaged 2 to 3° below normal Coastal Plain Region, 4 to 6° below normal Piedmont, Mountain Regions. Temperature extremes 43°; 85°. Precipitation ranged from 0.02 to 5.11 in.

Days suitable for fieldwork 3.7. Soil moisture 2% very short, 23% short, 63% adequate, 12% surplus. Corn very poor to fair, maturing. Grain harvest slightly behind average. Corn for silage harvested 73%, 58% 1985, 63% avg. Cotton fair to good, bolls opening. Soybeans fair to good, setting pods.

Corn earworm problem soybeans, peanuts, cotton. Sorghum 4% very poor, 37% poor, 50% fair, 9% good; harvested 14%, 19% 1985, 14% avg. Tobacco 8% poor, 47% fair, 43% good, 2% excellent. Flue-cured tobacco harvested 60%, 71% 1985, 80% avg. Burley tobacco harvested 42%, 40% 1985, 32% avg. Peanuts 39% fair, 61% good. Sweetpotatoes 35% fair, 60% good, 5% excellent; harvested 7%, 10% 1985, 9% avg. Apples 6% very poor, 29% poor, 41% fair, 18% good, 6% excellent; harvested 20%, 27% 1985, 28% avg. Hay 5% very poor, 20% poor, 63% fair, 12% good. Pasture 1% very poor, 17% poor, 47% fair, 35% good. Major farm activities: Harvesting tobacco, corn, vegetables, sweetpotatoes, fruits, hay; cutting corn silage; spraying soybeans, peanuts, cotton; marketing tobacco; tending livestock; mowing; shearing Christmas trees; general farm maintenance.

NORTH DAKOTA: Cool with showers. Temperatures averaged 1 to 5° below normal. Locations north central, central, west central districts reported low 29°, 6th. Widespread showers with amounts of 0.26 in. northwest to 1.12 in. east central.

Days suitable for fieldwork 4.7. Topsoil moisture levels continued to be good; 27% short, 73% adequate. Cool, moist weather delayed combining progress, but progressed late in week. Combining progress thus far: Hard red spring wheat 78%, 73% 1985, 89% avg.; durum wheat 68%, 55% 1985, 82% avg.; barley 91%, 92% 1985, 97% avg.; flax 11%, 15% 1985, 37% avg.; dry beans 6%, 1% 1985, 17% avg. Late season crops at least 84% good or better. Row crops hit by frost many areas. Many fields escaped damage but late fields sustained some damage not been fully appraised. Some corn cut for silage. Potatoes dug 11%, 3% 1985, 8% avg.; sunflower bracts brown and beyond 13%, 5% 1985, 12% avg. Other activities include fall tillage, weed control, seeding of winter wheat and rye.

OHIO: Temperatures 1 to 4° below normal. Highs mid 80s. Lows upper 30s north, low 40s south. Precipitation mostly 0.10 to 0.40 in.

Days suitable for fieldwork 5.7. Soil moisture 44% short, 51% adequate, 5% surplus. Activities include beginning of corn and soybean combining, baling hay, preparing land for wheat planting, tobacco housing, silo filing, fresh market vegetables and processing tomato harvest, apple picking.

OKLAHOMA: Temperatures averaged 3° below normal northeast to 8° below normal southwest. Precipitation averaged 0.11 in. Panhandle to 3.32 in. southwest.

Days suitable for fieldwork 3.6. Topsoil moisture 8% short, 65% adequate, 27% surplus. Subsoil moisture 15% short, 85% adequate. Wheat 5% planted, 5% 1985, 5% avg. Sorghum 40% fair, 60% good; 85% coloring, 90% 1985, 70% avg.; 15% mature, 15% 1985, 20% avg.; 3% harvested, 5% 1985, 3% avg. Cotton 10% fair, 90% good; 20% open bolls, 20% 1985, 10% avg.; none harvested, 1% 1985, none avg. Warm, sunny days needed. Pastures mostly good; forage supplies increasing. Cattle 5% poor, 5% fair, 80% good, 10% excellent; prices increased over preceding week.

OREGON: Temperatures ranged near normal to 8° above normal interior areas. Central, south central coast slightly cooler than normal. Extreme north, south coast 3 to 8° above normal, respectively. Temperatures heated up midweek with maximum readings near or above 100° southwest interior. Almost no precipitation during week. Slightly less than 0.10 in. in widely scattered areas northeast, northern Cascades.

Soil moisture 98% short, 2% adequate. Grain harvest complete, except eastern high country. Fall grain seeding just started by a few growers Columbia Basin. Much field preparation activity

all areas; most growers awaiting rain. Some rape seed being seeded Umatilla County. Red clover seed harvest winding down west. Harvesting hops Willamette Valley. Grass seed field burning west, central areas; some early planting west. Vegetable, other seed crops harvested central area, Malheur County. Hay cutting ranges from 2nd crop high country to 4th crop southwest, Hermiston area. Bartlett pear harvest completed. Winter pear harvest over 50% complete Medford, underway Hood River. Some Golden Delicious apples picked Milton-Freewater. Late Evergreen blackberry harvest continued Willamette Valley. Fertilizing, irrigating strawberries west. Cranberries sizing, coloring well. Filbert trees show good crop set Willamette Valley. Onion harvest continued Willamette Valley, southwest, Malheur County. Sweet corn harvest continued same areas. Snap bean harvest continued west. Potato harvest full swing Malheur County. Watermelon harvest neared completion Hermiston. Walla Walla sweet onions seeded Milton-Freewater. Livestock fair to good. Range, pasture fair except where irrigated. Ground preparations for pasture reseeding west. Some yearling cattle shipments. Fire danger remains extreme.

PENNSYLVANIA: Sunny, dry across western part of State and cloudy, rainy across eastern part of State. Cold front moved across State late week producing scattered showers. Average temperature 66°, 2° below normal. Temperature extremes 32°; 82°. Average precipitation 0.38 in., 0.47 in. below normal.

Days suitable for fieldwork 4.0. Soil moisture 32% short, 61% adequate, 7% surplus. Corn 98% dough, 60% dented, 10% mature; 1985 86% dough, 50% dented, 8% mature; average 88% dough, 43% dented, 3% mature. Corn 1% very poor, 3% poor, 16% fair, 50% good, 30% excellent. Silage corn harvested 20%; 12% 1985; 13% avg. Soybean 1% very poor, 4% poor, 14% fair, 55% good, 26% excellent. Potato harvest 60% complete; 58% 1985. Tobacco harvest 61% complete; 67% 1985. Apple harvest 39% complete; 34% 1985. Peach harvest 92% complete; 96% 1985. Fall plowing 46% complete; 44% 1985. Fall barley planting 19% complete; 14% 1985. Fall wheat planting 20% complete; 14% 1985. Third cutting alfalfa 78% complete; 74% 1985. Fourth cutting alfalfa 19% complete; 25% 1985. Second cutting clover-timothy 91% complete; 91% 1985. Quality of hay made fair to good. Amount of feed being obtained from pastures average to below average. Activities: Making hay and haylage; harvesting peaches, apples, potatoes, tobacco, corn silage; fall plowing; fall planting wheat, barley.

PUERTO RICO: Island average rainfall 1.09 in., 0.76 in. below normal. Highest weekly total 4.48 in. Highest 24-hour total 3.43 in. Temperature averaged about 80 to 81° on coasts and 73° interior divisions. Mean station temperature ranged from 68 to 82°. Extremes 56°; 93°. Mean temperature 82° minus 0.20 in. Total rainfall 0.59 in., minus 0.81 in.

SOUTH CAROLINA: Temperatures 3 to 10° below normal. Rainfall widespread across State, heavier upstate. Days available for fieldwork 3.3. Soil moisture 2% very short, 31% short, 59% adequate, 8% surplus. Cotton open bolls 47%, 72% 1985, 59% avg.; none harvested; 44% very poor, 37% poor, 19% fair. Soybeans blooming 92%, 98% 1985, 98% avg.; 70% setting pods, 80% 1985, 83% avg.; 4% leaves turning, 2% 1985, 4% avg.; 1% shedding leaves; 4% very poor, 19% poor, 65% fair, 12% good. Tobacco fair; 90% harvested, 93% 1985, 94% avg.; 26% stalks destroyed, 21% 1985, 29% avg. Peanuts fair; 1% harvested; 4% 1985. Apples fair to good; 21% harvested, 41% 1985, 43% avg. Grapes fair; 29% harvested. Pastures fair to good, hay fair.

Overall condition of crops improved. Rains causing some disease, boll rot problems, slowing corn harvest activity.

SOUTH DAKOTA: Average temperatures ranged 6° below to 3° above normal. Extremes 39°; 93°. Black Hills low 32°. Rainfall widespread; largest amounts southwest, northeast. Snow reported Black Hills.

Days suitable for fieldwork 4.2. Topsoil moisture short western 3rd, surplus northeast and east central, adequate elsewhere; 3% critically short, 33% short, 52% adequate, 12% surplus. Crops mostly good. Silage cutting beginning. Small grain harvest nearing completion. Winter grain seeding progressing. Range, pastures, livestock good to excellent. Feed, stockwater supplies adequate.

TENNESSEE: Temperatures averaged 3 to 6° subnormal. General rains mostly 0.25 in.

Days suitable for fieldwork 5.5. Soil moisture 22% very short, 62% short, 16% adequate. Corn 90% dent, 90% 1985, 90% avg.; 55% mature, 35% 1985, 30% avg.; 6% harvested, 5% 1985, 3% avg.; 7% very poor, 22% poor, 56% fair, 14% good, 1% excellent. Tobacco 80% topped, 95% 1985; 35% burley harvested, 45% 1985, 45% avg.; 35% dark fired harvested, 45% 1985, 40% avg.; 30% dark air-cured harvested, 45% 1985, 40% avg.; 2% very poor, 31% poor, 65% fair, 2% good. Cattle fair. Pastures mostly fair to poor. Rains continued but still dry. Crops improved middle, eastern areas.

TEXAS: Tropical air dominated much week. Early week, frontal boundary triggered storms Permian Basin, far west. Upper level brought rain west central to north 4th, 5th. Weekend cold front pushing well into interior State with significant rains across north, east into south central. Below normal temperatures, above normal rain totals recorded all areas.

Crops: Corn harvest delayed by rain portions Blacklands, east, although most harvesting activity completed by this time. Many fields continued to reach maturity Plains, ready for harvest as soon as producers can enter fields. Outlook for good yields continued. Some minor lodging areas of heavy rainfall. Grain sorghum harvest delayed Cross-Timbers, fields remaining for harvest Blacklands, east. Most fields Plains benefit from rain. Increase of headworms occurred this area. Most fields continued show good potential Plains. Headed 98%, 98% 1985, 98% avg. Cotton fields Plains continued need drier, warmer weather to develop properly. Most plants loading up with bolls. Rain not too late for later planted fields this area. Harvest activities slowed Blacklands, central. Most harvest completed Upper Coast, with some 2nd picking begin as fields dry out. Plow up stalks continued Rio Grande Valley. Rain Trans-Pecos alleviated irrigation needs. Setting bolls 98%, 100% 1985, 99% avg. Small grain seedings little progress over State last week. Moisture conditions for planting improved most areas. Land preparation minimum because of rain. Harvest 1st crop rice just about complete along Upper Coast. Outlook second crop good. Peanuts benefited from scattered moisture; fields Plains, Cross-Timbers could use open, warmer weather. Some leafspot problems. Disease pressure increased south because moisture. Harvest stalled Cross-Timbers, continued with normal yields between showers south. Peanuts 9%, 5% 1985, 5% avg. Soybeans good moisture conditions Plains, but could use some open weather for further progress. Some harvesting continued Upper Coast. Soybeans 10%, 6% 1985, 2% avg. Other crops harvested: Sunflowers 3%, 8% 1985, 5% avg. Other crops planted: Oats 4%, 5% 1985, 2% avg.

Commercial Vegetables: Rio Grande Valley, early planted vegetables up good stands.

Cultivating, some irrigating continued. Planting, land preparation continued. East, sweetpotato harvest slow because rain; quality remains good. Other planting slow. High Plains, rain slowed melon, carrot harvest. Pepper harvest nearing. Trans-Pecos, wet ground limited harvest of most vegetables. Rain should help fill out pecans, possibly slow droppage of nuts. Most nuts water or dough stage, maturing well. Some nuts opening south.

Range and Livestock: Ranges, pastures improving across State as added rainfall increased growth, greening. Going into fall, good amount of forage available many areas. Livestock good, does marketed. Stock tank levels good. Shearing goats, sheep winding down Hill Country.

UTAH: Temperatures maximums near normal; minimums 1° below to 5° above normal. Precipitation light to moderate.

Days suitable fieldwork 6.4. Topsoil moisture 33% short, 62% adequate, 5% surplus. Spring wheat 86% harvested, 93% 1985, 88% avg.; oats 82% harvested, 85% 1985, 73% avg.; winter wheat 49% seeded, 24% 1985, 34% avg.; corn 80% dough, 75% 1985, 67% avg.; alfalfa 3rd cutting 42%, 39% 1985, 33% avg.; pears 97% harvested, 96% 1985, 55% avg.; peaches 75% harvested, 65% 1985, 57% avg.; apples 12% harvested, 9% 1985, 9% avg. Onions, dry beans, alfalfa seed harvests underway. Early potatoes beginning extreme south. Ranges slow recovering, no livestock movement from summer range. Livestock good to excellent.

VIRGINIA: Wet, very cool. Rain all but last 2 days. Average rainfall 1.00 in. Temperature averaged 6° below normal. New record lows occurred.

Days suitable for fieldwork 2.4. Soil moisture 2% short, 72% adequate, 26% surplus. Corn 82% in or beyond dent stage, 86% 1985, 89% avg. Corn 59% mature, 63% 1985, 69% avg. Silage harvest 28% complete, 30% 1985, 50% avg. Grain corn harvest 16% complete, 26% 1985, 19% avg. Aflatoxin levels high in corn. Soybeans poor, some fair. Better moisture, but corn earworm damage high. More rain inhibited spraying. Soybeans 80% setting pods, 90% 1985, 90% avg. Peanuts good to excellent. Spraying to control leafspot. Flue-cured tobacco harvest 27% complete, 48% 1985, 67% avg. Burley tobacco harvest 13% complete, 68% 1985, 53% avg. Fire-cured harvest 47% complete, 73% 1985, 78% avg. Continued rain delayed tobacco maturity. Pasture, hay land continued improving. Good conditions returned many areas. Too wet to cut hay many areas. Seeding pasture, hay land. Livestock good to excellent. Small grain land preparation.

WASHINGTON: Warm, dry statewide. Temperatures averaged 1 to 7° above normal. Scattered thundershowers, precipitation minimal.

Days suitable for fieldwork 7.0. Soil moisture 70% short, 30% adequate. Winter wheat 22% planted, 22% 1985, 24% avg. Potatoes mostly good, 27% harvested. Hop harvest continued, 50% early varieties harvested. Vegetable harvest full swing. Fruit harvest continued; D'Anjou pears underway, Golden Delicious apples completed. Hay supplies 80% surplus, 20% adequate. Range, pasture 60% adequate, 40% short.

WEST VIRGINIA: Temperatures averaged 1 to 3° below normal. Temperature extremes 43° Weston, Romney; 88° Wheeling, Gary. Average temperature 66°. Precipitation above normal south, near or below normal elsewhere. Average precipitation 0.82 in.

Days suitable for fieldwork 3.7. Soil moisture 39% short, 50% adequate, 11% surplus.

WISCONSIN: Temperatures again below normal, averaged 61°, 3° below normal, low 29°, high 85°. Rainfall 0.10 to 2.20 in. Heavy downpour, tornado, hail northwest.

Days suitable for fieldwork 4.6. Soil moisture 5% short, 84% adequate, 11% surplus. Crops 2% very poor, 2% poor, 6% fair, 63% good, 27% excellent. Corn 2% very poor, 2% poor, 4% fair, 46% good, 46% excellent. Corn development ahead of normal. Corn in dough 89%, 75% 1985, 81% avg. Corn in dent 62%, 40% 1985, 45% avg. Corn mature 14%, 9% 1985, 14% avg. Corn silo filling 7%, 3% 1985, 3% avg. Soybeans leaves turning 26%, 24% 1985, 24% avg. Third cutting hay 38%, 38% 1985, 33% avg. Abundant supply hay. Tobacco harvest nearing completion, quality, yields mostly good. Potato harvest active, generally good quality.

WYOMING: Temperatures mostly above normal. Precipitation well above normal.

Days suitable for fieldwork 6.0. Topsoil moisture 37% short, 63% adequate. Subsoil moisture 48% short, 52% adequate. Barley mature 15%, 15% 1985; harvested 85%, 85% 1985, 80% avg. Spring wheat mature 15%, 10% 1985; harvested 85%, 90% 1985, 80% avg. Oats turning color 5%, 5% 1985; mature 15%, 15% 1985; harvested 80%, 80% 1985, 70% avg. Dry beans leaves turning color 75%, 70% 1985; windrowed 40%, 30% 1985, 35% avg.; combined 20%, 10% 1985, 10% avg. Corn milk stage 5%, 15% 1985, 20% avg.; dough 35%, 50% 1985, 45% avg.; dented 45%, 30% 1985, 30% avg.; mature 15%, 5% 1985, 5% avg. Corn silage harvested 15%, 5% 1985. Potatoes harvested 5%, 5% 1985. Alfalfa 2nd cutting complete 90%, 85% 1985, 80% avg.; 3rd cutting 15%, 10% 1985. Other hays harvested 95%, 95% 1985. Sugarbeet prospects good. Corn prospects fair to good. Potato prospects good to excellent. Livestock mostly good.

Global Weather Satellite Image

September 4, 1986



International Weather and Crop Summary

August 31 to September 6, 1986

HIGHLIGHTS:

UNITED STATES ... Cool temperatures slow crop development across much of the eastern half of the Nation. Rain promotes growth in the central Great Plains, most of the Southeast, and the Delta, but some crops need warm weather for proper development.

U.S.S.R. ... In Western U.S.S.R., the southern Ukraine, North Caucasus, and the Volga Valley need rain for winter grain planting. Dry weather in the south helps summer crop harvesting. In the New Lands, subfreezing temperatures likely have minimal impact on nearly mature spring grains.

EUROPE ... Dry weather in France, Italy, and the southeast helps harvesting. Rain is needed in France for winter grain planting.

SOUTH ASIA ... Unseasonable dry weather persists in northwestern and southern India.

EASTERN ASIA ... Moderate to heavy rain returns to corn and soybean areas of the Manchurian Valley. Dry weather in the North China Plain helps harvesting, but rain is needed for winter grain planting which begins in mid-September.

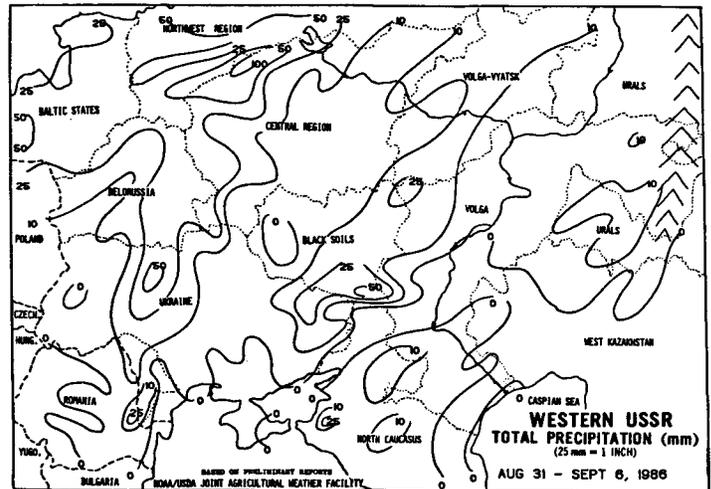
MEXICO ... Locally heavy showers delay crop harvesting in the northeast. Light to moderate rain falls elsewhere.

CANADA ... Rain and cold weather slows the Prairie grain harvest.

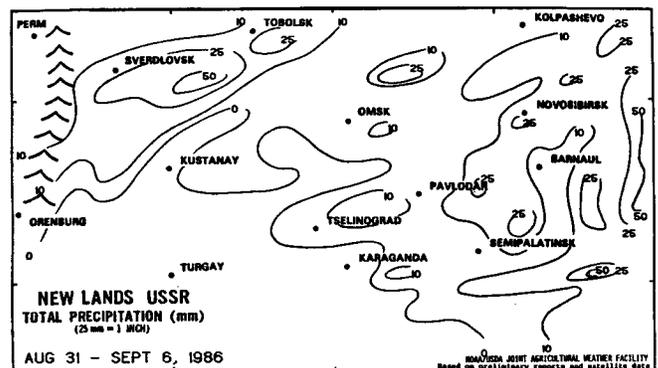
SOUTHEAST ASIA ... Typhoon Wayne brings heavy rain and flooding to the northern Philippines. In Thailand, moderate rain benefits northern and eastern upland rice.

SOUTH AMERICA ... Widespread, beneficial rain helps Argentina's wheat establishment. Showers favor immature wheat in Brazil.

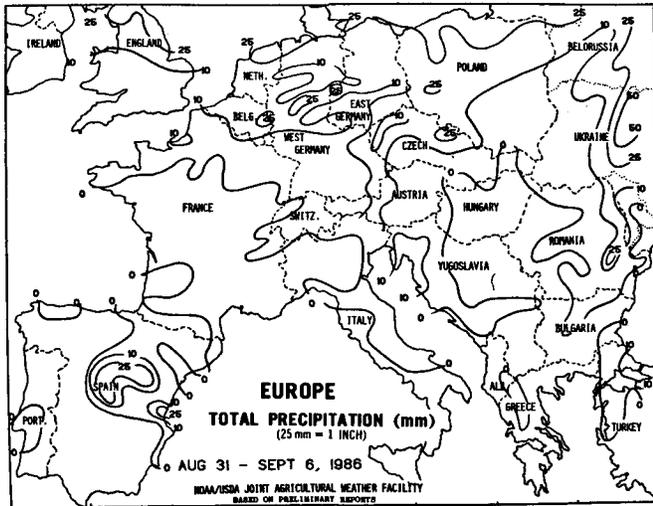
AUSTRALIA ... Light rain and mild temperatures benefit wheat throughout Australia.



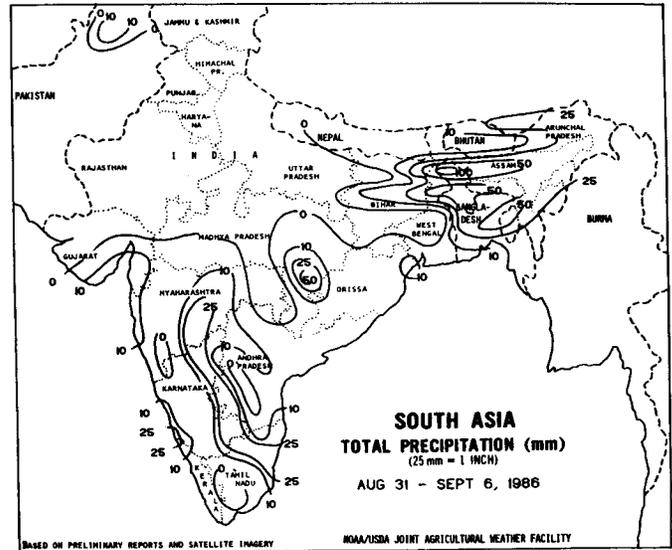
U.S.S.R. ... In Western U.S.S.R., winter grain planting progressed southward. Moderate rain (25 to 50mm) fell in a narrow band from the northwestern Ukraine, through eastern Belorussia, the Baltic States, and the western portion of the Central Region. The rain in these areas caused some delays in winter grain planting but increased soil moisture for crop emergence. Dry weather in the central Ukraine, western Black Soils, and the middle of the Central Region followed the previous week's heavy rainfall pattern, aiding winter grain planting. Mostly dry weather in the south aided summer crop harvesting. Light showers in the extreme western Volga Valley increased soil moisture, but widespread significant rain is needed throughout the Volga, the North Caucasus, and the southern Ukraine for winter grain planting. Based on normal weather conditions, the optimum time for winter grain planting is mid-August in the north and mid-September in major wheat producing areas of the south.



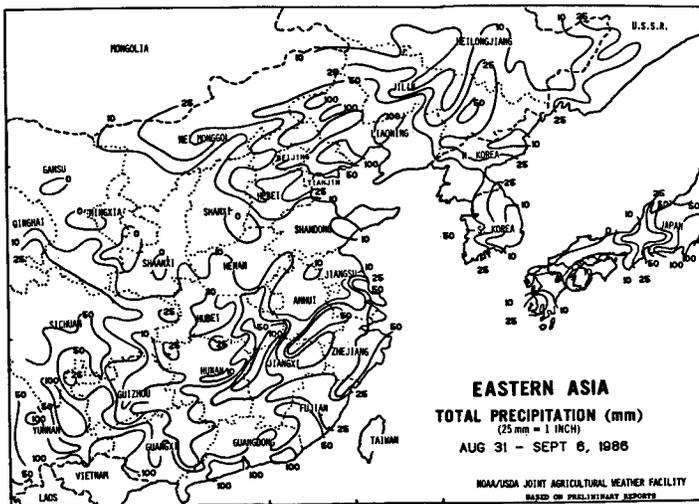
In the New Lands, mostly dry weather in central spring grain areas aided harvesting. Early-week, minimum temperatures fell below freezing, ranging from 0 to -2 degrees C with isolated locations reporting temperatures as low as -4 degrees C. Damage to spring grains should have been minimal, as most of the crop was mature or nearing maturity. In the north, where spring grains were maturing, the freeze likely caused premature ripening, lowering grain quality.



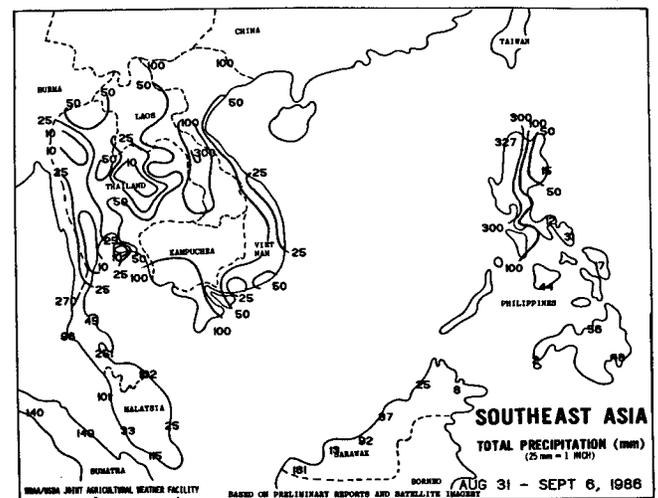
EUROPE ... Summer crop harvesting was underway over much of the region. In addition, land was prepared for winter grain planting in the north. Dry weather covered France, Italy, Hungary, Yugoslavia, Romania, and Bulgaria, aiding summer crop harvesting. Rain is needed in France to increase soil moisture for winter grain planting. Early-week light showers accompanied unseasonable cool weather in England, West Germany, East Germany, and Poland, slowing crop maturation and harvesting. Dry weather by week's end in these areas allowed the harvest pace to increase.



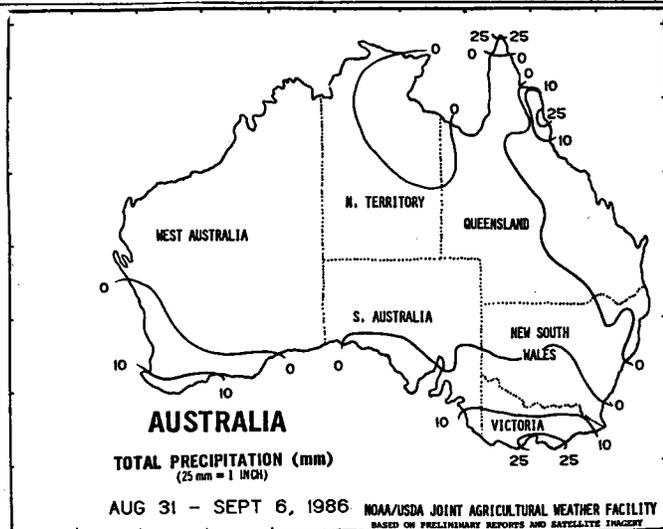
SOUTH ASIA ... The monsoon circulation continued to be weak throughout India. Light to moderate rain (10 to 36mm) fell from Maharashtra to northern Tamil Nadu and along Gujarat's southern coast. However, generally minimal rain (less than 10mm) fell elsewhere from southern Andhra Pradesh and West Bengal to Punjab. The persistent, unseasonable dry weather was unfavorable for crops in their peak moisture-sensitive stages of development. Groundnuts were mostly pod forming to filling, cotton was flowering to boll setting, and rice was heading to filling. The far eastern states continued to receive near-normal rainfall.



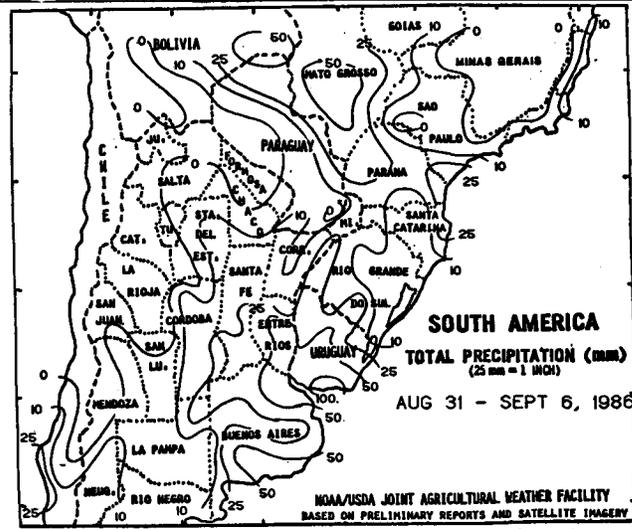
EASTERN ASIA ... An eastward moving storm produced moderate to heavy rain in corn and soybean areas of the Manchurian Valley. Heaviest rainfall (50 to 100mm) covered crop areas in Liaoning, producing local flooding and delaying early harvesting. Lesser amounts (15 to 28mm) covered Jilin and Heilongjiang. Dry weather over the North China Plain helped early corn and soybean harvesting and favored cotton maturation. Widespread rain is needed in the North China Plain for winter grain planting that begins in mid-September. Widespread rain in Hunan, Jiangxi, and Zhejiang benefited late double-cropped rice in the filling stage.



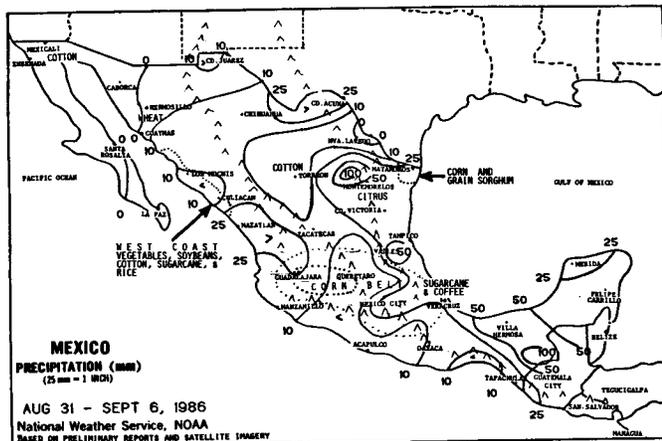
SOUTHEAST ASIA ... Heavy tropical showers (greater than 100mm) from Typhoon Wayne fell throughout the northern Philippines. Rainfall averaging more than 300mm covered western Luzon, likely flooding rice and sugarcane areas. Moderate shower activity covered the southern islands. In Thailand, light to moderate rain (25 to 70mm) benefited upland rice in the east and in the west from Bangkok to the northern highlands. Light rain (less than 25mm) continued in rainfed crop areas of central Thailand. Heavy showers (100 to more than 300mm) persisted in central Laos, likely causing flooding. Mostly light to moderate showers fell in Vietnam, Kampuchea, and northern and southern Laos.



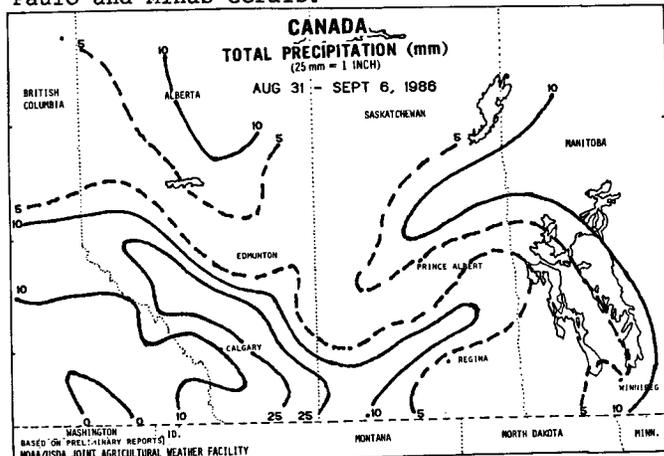
AUSTRALIA ... Light rain fell throughout Australia's wheat areas. Rainfall averaged less than 10mm in crop areas of Western Australia, South Australia, Victoria, and southeast Queensland. No rain fell in southeastern New South Wales while areas to the north and west generally received less than 5mm. Throughout the wheat belt, temperatures averaged 12 to 16 degrees C, promoting wheat growth. Moisture was adequate in the south and west for wheat advancing through the vegetative stage. However, moisture may be limited in northern New South Wales and southeast Queensland. Seasonal warming will raise the moisture demands of crops throughout Australia, necessitating increased rainfall.



SOUTH AMERICA ... Widespread rain broke the long dry spell in Argentina's wheat areas, improving topsoil conditions for wheat establishment. Rainfall had been deficient throughout most the planting season. The lack of moisture was beginning to stress emerging wheat. In the major wheat-producing province of Buenos Aires, rainfall averaged 25 to 60mm in the wheat areas. Substantial showers (10 to 50mm) also produced beneficial topsoil moisture in northeastern La Pampa, Cordoba, and Santa Fe which will help wheat advance through vegetative growth. In Brazil, showers (10 to 45mm) extended from western Rio Grande do Sul to Parana. The moisture promoted wheat development in the south but delayed wheat harvesting in the north. Locally heavier rain (50 to 95mm) fell in southern Mato Grosso do Sul, replenishing moisture for summer crop planting. Dry weather prevailed in the citrus and coffee areas of Sao Paulo and Minas Gerais.



MEXICO ... A tropical depression developed midweek off Mexico's northeastern coast producing substantial rainfall. Locally heavy showers, in excess of 100mm, fell in the mountains. The rain delayed grain, cotton, and vegetable harvesting in the northeast while providing moisture for eastern wheat planting that begins in September. Showers fell along the east coast and throughout southern Mexico, favoring corn growth. Rainfall in the Southern Plateau corn belt was similar to the previous week, with moderate to locally heavy showers (10 to 60mm) in both eastern and western extremes and light rain (less than 10mm) elsewhere. Several days of dry weather allowed corn harvesting while the moisture helped immature corn. Showers in the western mountains provided moisture for irrigation along the west coast farming area. Light showers caused only minimal interference to the cotton harvest in the north-central region.



CANADA ... Showers fell over the Prairie grain belt, slowing the grain harvest. The heaviest rain (10 to 34mm) fell over central and southwestern Saskatchewan and southern Alberta, interrupting fieldwork for a few days. Light showers (less than 10mm) over northern and eastern grain areas hampered harvest progress. A cold front brought significantly cooler air to the region during the latter half of the week. Extreme minimum temperatures late in the week dropped to -1 to -2 degrees C throughout most of Saskatchewan and Alberta, and western Manitoba. The freeze may lower the quality of immature crops. Saskatchewan's total crop harvest was estimated at 75 percent swathed and 40 percent combined by week's end, ahead of the previous year's pace by about 15 percentage points.

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Heating Degree Days (Base 65° F.)

August 1986

ALA. Birmingham	1	147	OKLA. Okla. City	0
Mobile	0	52	Tulsa	119
Montgomery	1	73	OREG. Astoria	0
ALASKA, Anchorage	325	73	Burms	19
BARBADOS	782	25	Bedford	0
BARRINAMANGALA	312	105	Bereton	0
BARRONIA	312	105	Bethland	0
BONAIRE	0	33	Salmon	3
BONIN	0	62	PA. Allentown	35
BRIT. FLAGSTAFF	28	56	Erie	17
PHOENIX	0	46	Harrisburg	17
TUCSON	0	63	Philadelphia	21
Winslow	0	169	Pittsburgh	40
Yuma	0	189	Scranton	50
ARK. Fort Smith	0	151	R.I. Providence	23
Little Rock	0	144	S.C. Charleston	2
CALIF. Bakersfield	252	81	Camden	7
Beaumont	0	85	Greenville	59
Merced	0	0	Huron	55
Red Bluff	0	0	Rapid City	12
Stockton	0	15	Sioux Falls	12
San Diego	113	12	TENN. Chattanooga	54
San Francisco	0	11	Knoxville	2
COLO. Denver	0	12	Memphis	0
Grand Junction	0	12	Nashville	1
Pueblo	23	15	TEX. Abilene	0
CONN. Bridgeport	32	25	Austin	1
Hartford	13	25	Fort Worth	0
Meriden	13	23	Galveston	0
FLA. Apalachicola	0	13	Houston	0
Ft. Myers	0	0	Lubbock	0
Jacksonville	0	0	Madison	0
Key West	0	7	Midland	0
Miami	0	17	San Antonio	0
Orlando	0	15	Victoria	0
W. Palm Beach	0	26	Waco	0
Tallahassee	0	14	Wichita Falls	0
Tampa	11	17	UTAH, Milford	0
GA. Atlanta	11	17	Salt Lake City	0
Augusta	5	5	VT. Burlington	60
Macon	5	0	VA. Lynchburg	18
Savannah	8	0	Rochester	1
IDAHO, Boise	2	6	Richmond	23
Lewiston	3	47	Rockford	20
Pocatello	5	30	St. Louis	134
ILL. Cairo	7	46	Seattle-Tacoma	12
Chicago	29	58	Spokane	4
McJannet	30	42	Walla Walla	0
Peoria	26	62	Yakima	2
Rockford	19	62	W. VA. Beckley	46
Springfield	19	62	Charleston	23
IND. Indianapolis	15	50	Huntington	49
Fort Wayne	46	32	WIS. Green Bay	46
IOWA, Des Moines	24	6	Madison	59
South Bend	25	17	Milwaukee	54
Dubuque	56	11	Minneapolis	7
Des Moines	56	11	St. Paul	20
Scoux City	27	0	WYO. Casper	6
KANS. Concordia	5	0	Cheyenne	54
Dodge City	9	69	Lander	6
Topeka	9	69	Sheridan	2
Wichita	9	48		
WYOMING, Cheyenne	3	23		
Laramie	15	23		
KY. Lexington	15	28		
Louisville	12	40		
LA. Baton Rouge	10	26		
Lake Charles	0	32		
New Orleans	0	54		
Shreveport	0	64		

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