

# 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

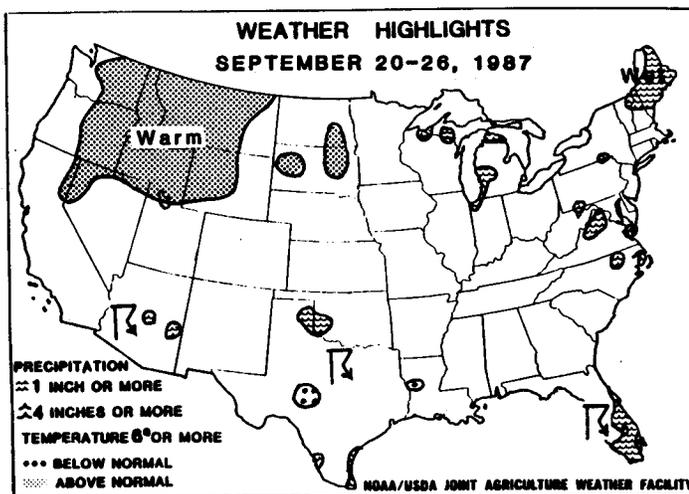
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## National Weather Summary

September 20 to 26, 1987



mostly clear skies; however, a small weather disturbance over the desert southwest brought scattered showers to southern California and Arizona.

**WEDNESDAY...** Mostly dry weather covered the Nation, with generally seasonable temperatures. Scattered showers and thunderstorms again developed over southern California and Arizona, as well as over Florida.

**THURSDAY...** Generally fair weather continued across the Nation. The principal exceptions were southern Florida, southern California, and parts of Nevada and Arizona, where showers and thunderstorms again developed, as in previous days, mostly in the afternoon and evening. Low temperatures were in the forties and fifties across the eastern half of the Nation, except for some seventies over Florida. A cold front approaching the Pacific coast brought a few showers to western Oregon.

**FRIDAY...** Skies were again clear to partly cloudy, except mostly cloudy from the Pacific northwest through the northern and central Rockies. Showers and thunderstorms were mostly confined to New Mexico, west Texas, and extreme southern Florida. Temperatures were slightly below normal in the eastern half of the Nation, mostly above normal in the West.

**SATURDAY...** Fair weather continued to prevail over most of the Nation. Temperatures were generally normal to above normal. A low-pressure system brought scattered light rain showers to the Pacific northwest. Winds were strong from Washington and Oregon to central Montana. Thunderstorms were scattered across southwest Texas. Heavy showers and thunderstorms covered much of southern Florida in the afternoon, with some stations receiving more than 3 inches of precipitation.

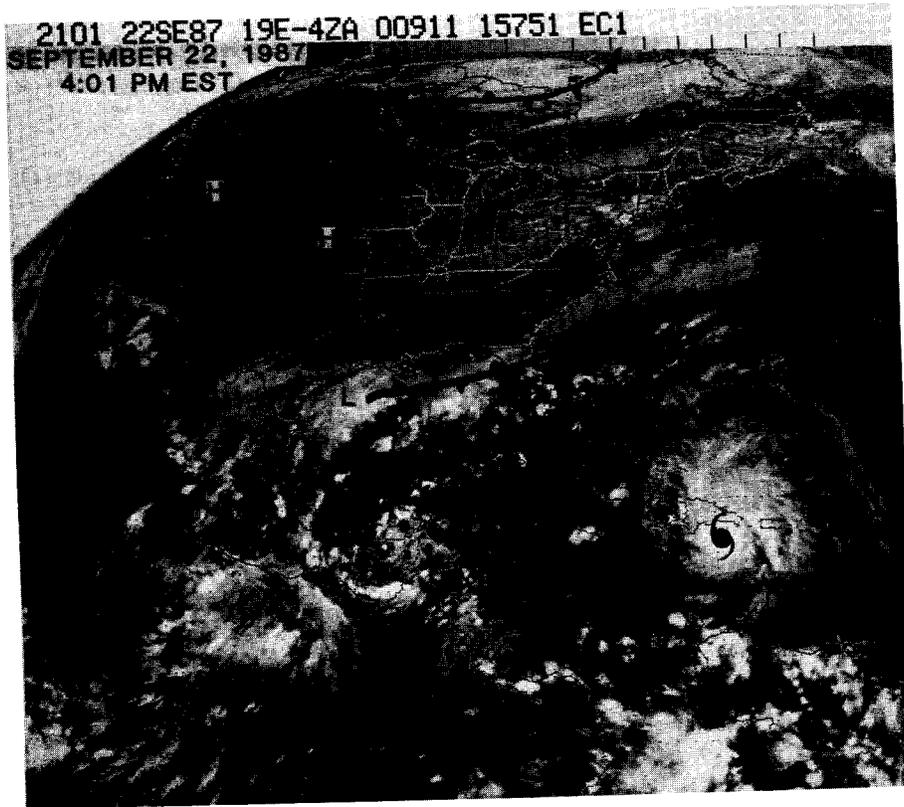
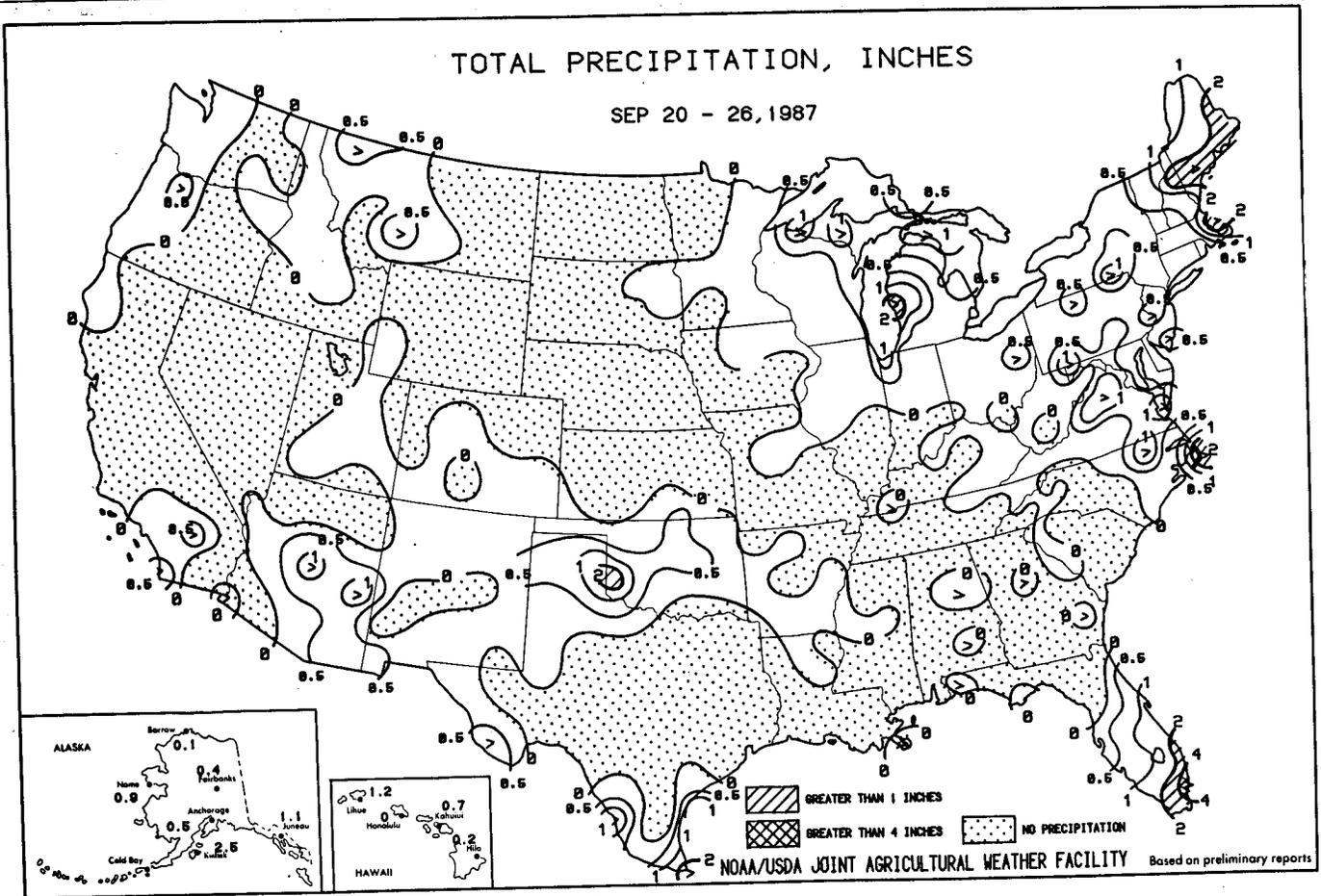
**HIGHLIGHTS:** The week was dry and seasonably warm over most of the Nation. Wet weather, which began the previous week over the Northeast, gradually ended. Showers and thunderstorms were almost a daily occurrence over parts of the desert Southwest. Heavy showers and thunderstorms developed over southern Florida late in the week. A storm brought light showers and strong winds to the Pacific northwest and northern Rockies on Saturday.

**SUNDAY...** Light to moderate rainfall continued in the East, owing to a broad band of low pressure extending from the Great Lakes to the mid-Atlantic coast. Heaviest rain fell in New England and the Great Lakes region. Afternoon and evening thunderstorms developed over Oklahoma and Texas. Hail accompanied thunderstorms at Pueblo, Colorado and near Madison, Wisconsin. Extremely warm weather covered Florida.

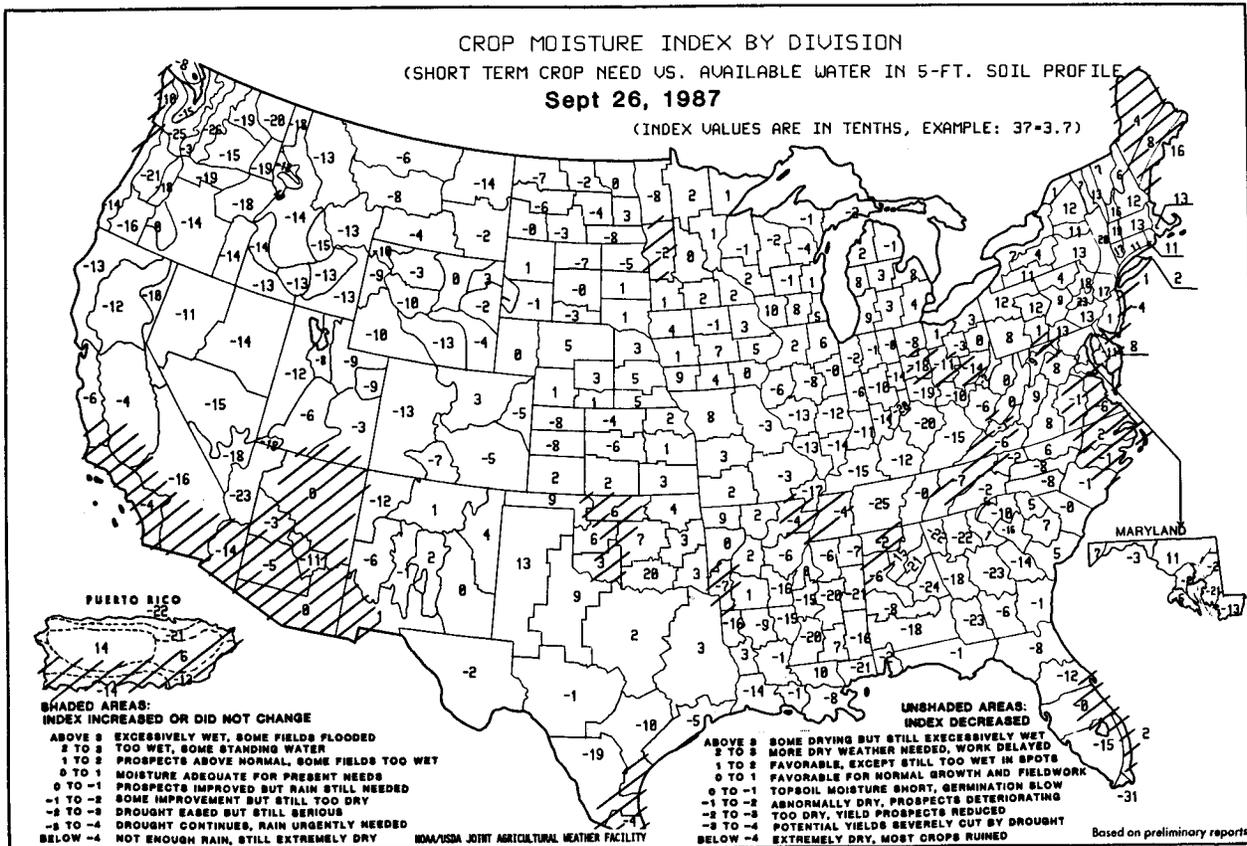
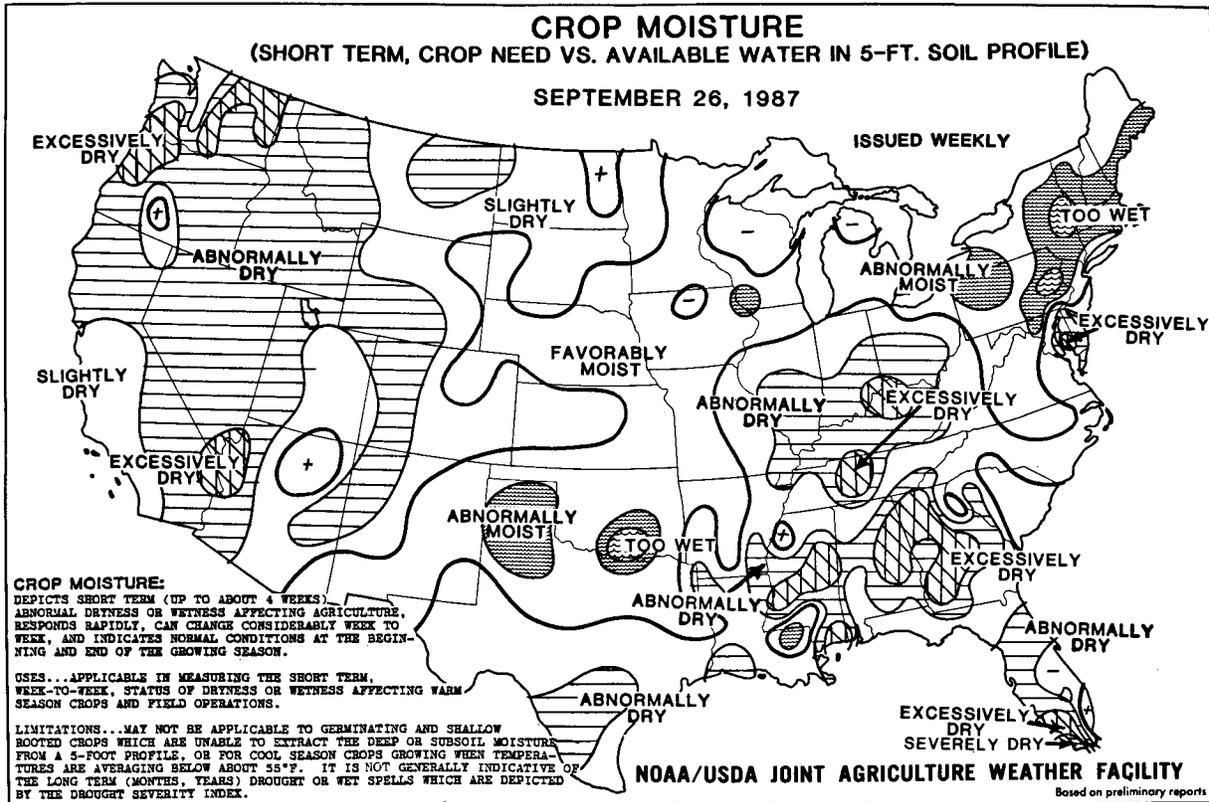
**MONDAY...** Temperatures were seasonable through most of the Nation. Heaviest precipitation continued in Maine. Hail accompanied some heavy thunderstorms over western portions of New York and Pennsylvania. Some showers and thunderstorms continued around the Great Lakes, as well as over Florida.

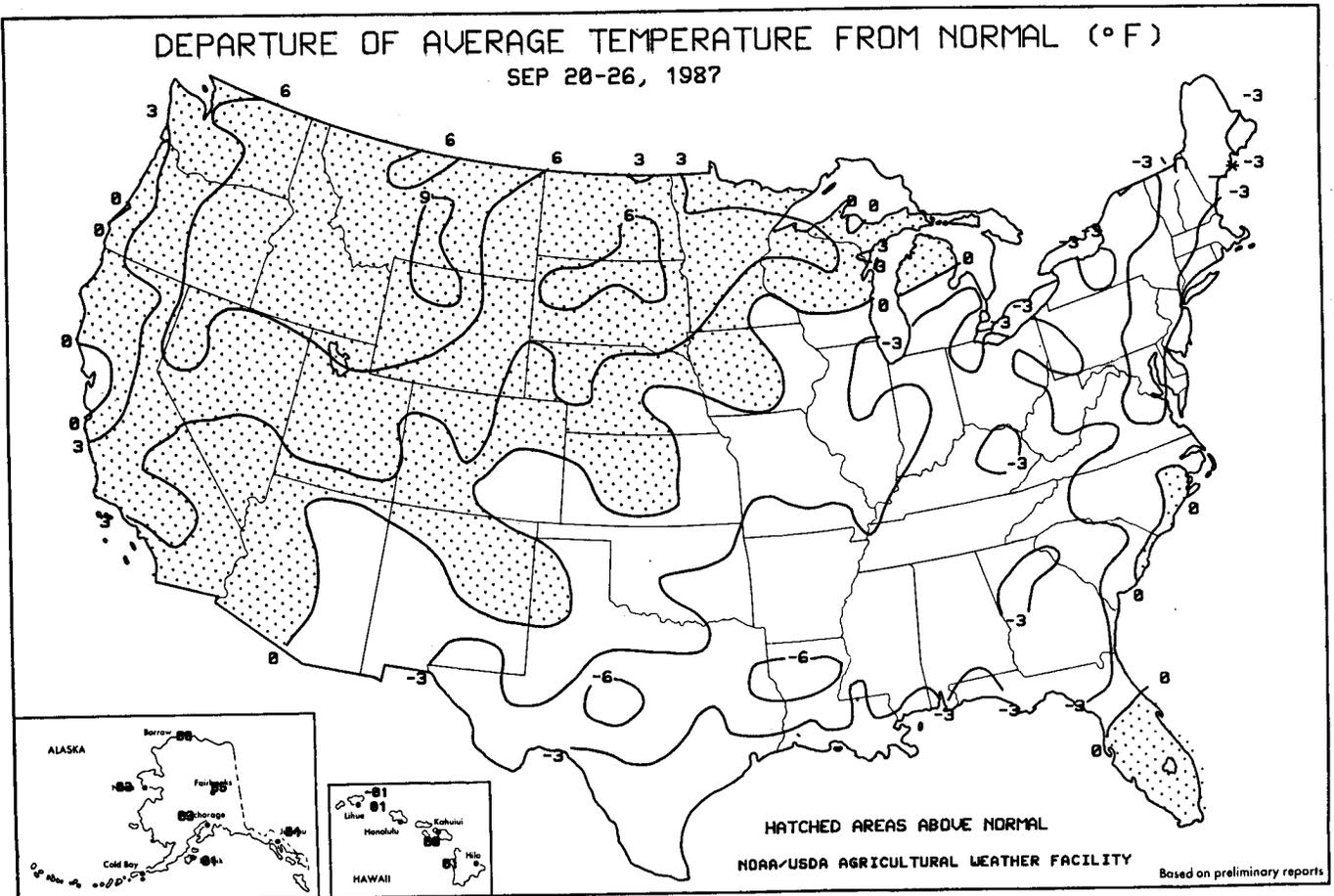
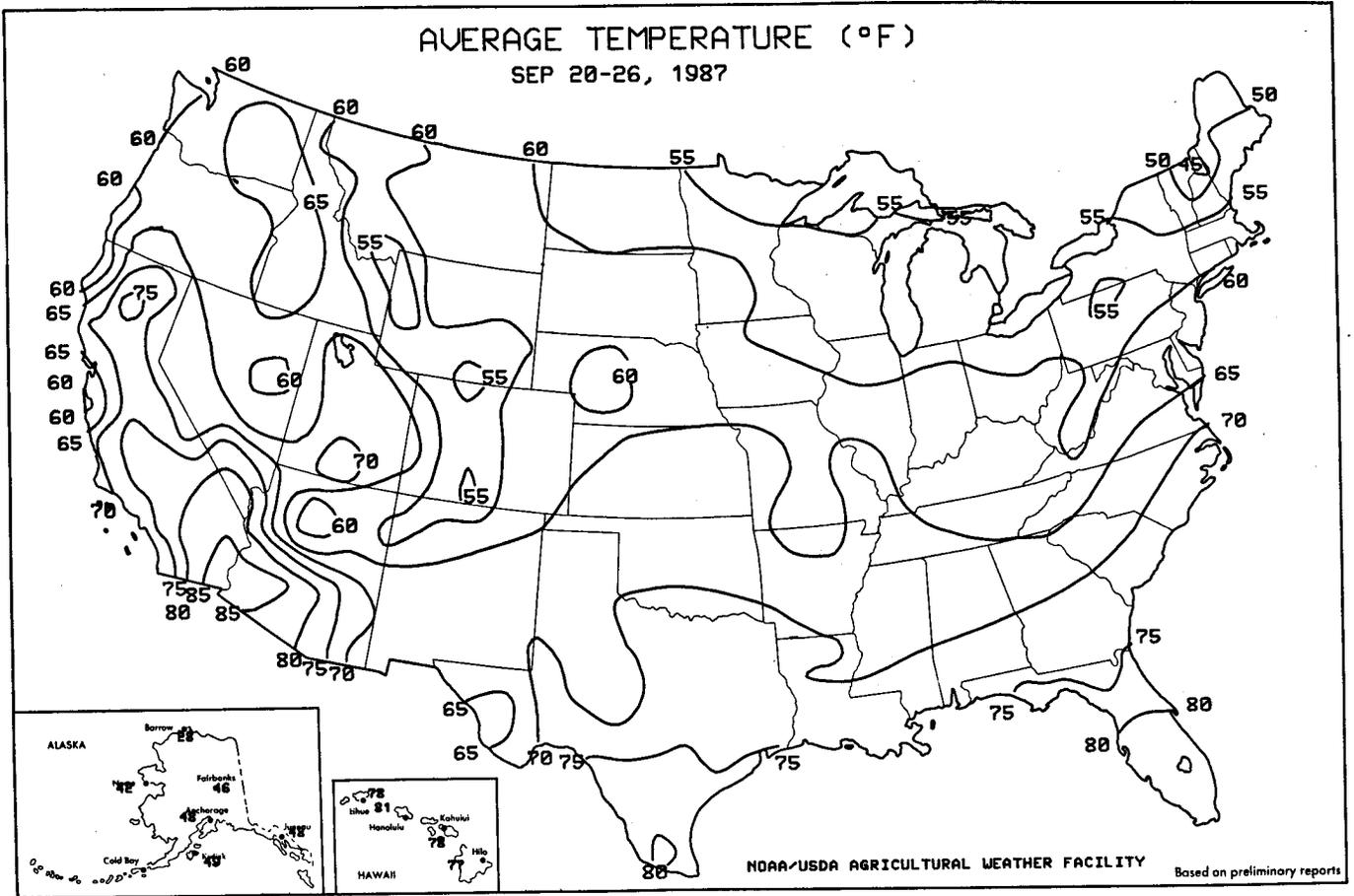
**TUESDAY...** Weakening of the low-pressure system in the East resulted in diminishing showers, although much cloudiness remained. Showers and thunderstorms produced large hail and damaging winds in eastern Pennsylvania and New Jersey, but abated late in the day. Some showers and thunderstorms developed along the south Atlantic coast and the Gulf coast. High pressure dominated the West with

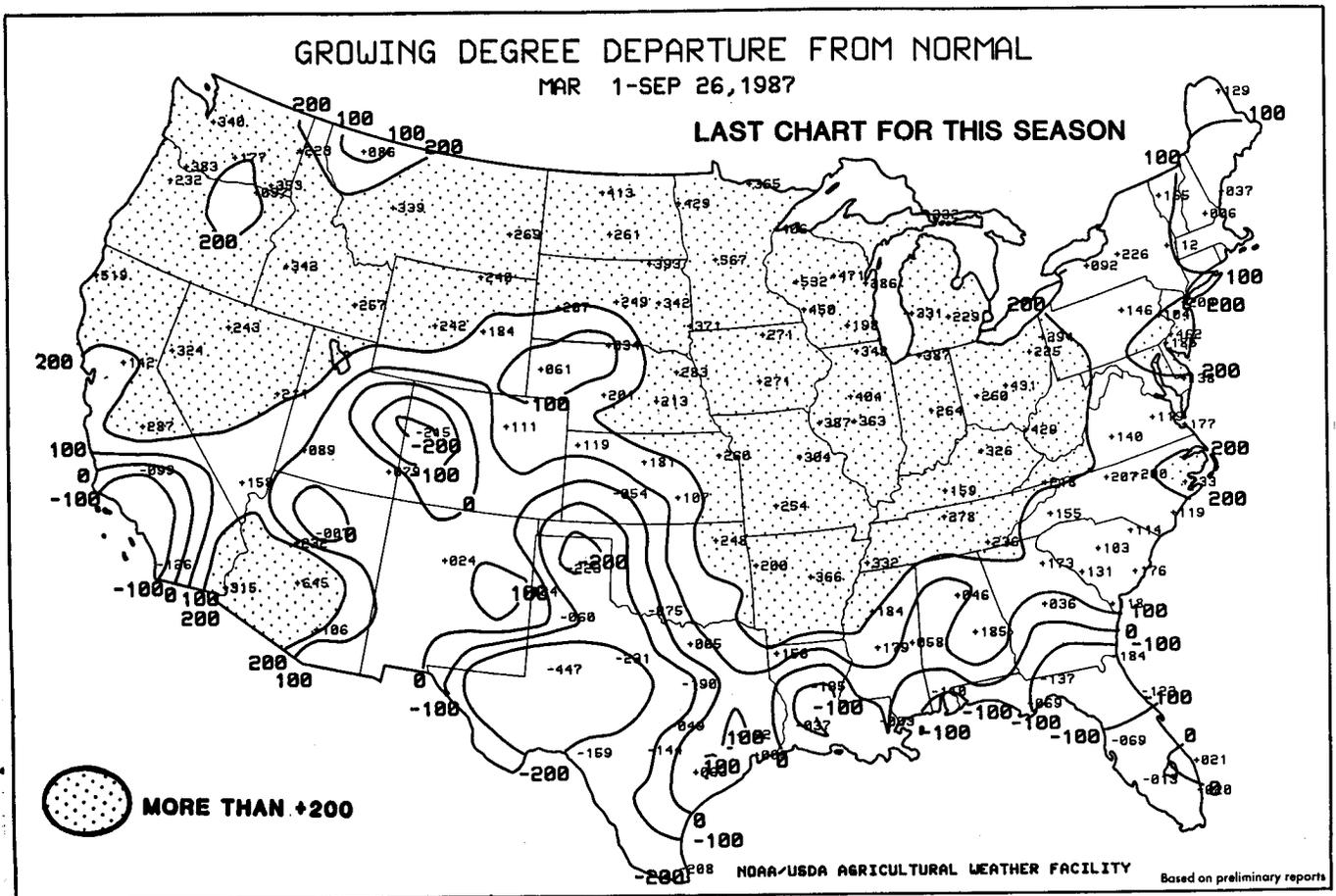
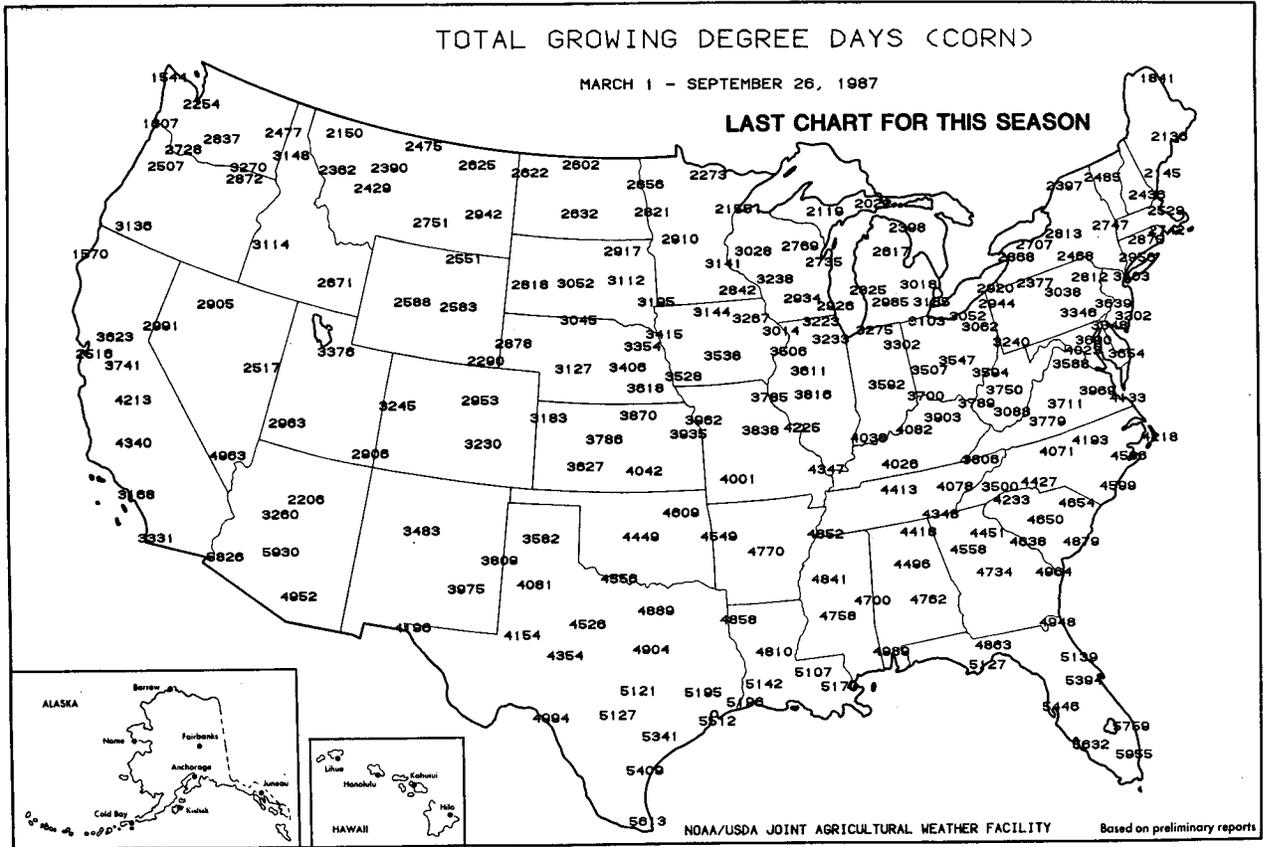
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HURRICANE EMILY APPROACHES THE DOMINICAN REPUBLIC WITH WINDS UP TO 95 KNOTS. SHOWERS AND THUNDERSTORMS DEVELOP OVER PENNSYLVANIA, NEW JERSEY, FLORIDA, AND THE SOUTH-WEST.











# National Weather Data for Selected Cities

Weather Data for the Week Ending September 26, 1987

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	PRECIPITATION	
																		.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	81	52	84	49	67	-5	T	-1.0	T	3.7	96	33.4	78	96	38	0	0	1	0
MOBILE	85	60	88	56	72	-4	0	-1.4	0	3.2	54	57.7	111	91	38	0	0	0	0
MONTGOMERY	86	54	89	50	70	-4	0	-1.1	0	3.0	72	44.9	117	95	31	0	0	0	0
AK ANCHORAGE	54	41	58	37	48	2	.5	-1	.4	1.9	89	9.2	86	92	60	0	0	3	0
BARROW	31	26	35	23	28	1	.1	0	0	1.2	244	4.6	132	95	84	0	7	3	0
FAIRBANKS	58	34	64	30	46	5	.4	.1	.2	.6	60	5.0	61	91	41	0	3	3	0
JUNEAU	52	43	55	37	48	0	1.1	-.5	.9	6.8	125	34.3	99	98	78	0	0	5	1
KODIAK	54	44	61	35	49	2	2.5	1.0	1.4	6.2	116	54.1	130	97	74	0	0	6	0
NOME	47	37	56	30	42	1	.9	.4	.2	2.3	111	8.2	71	94	68	0	2	6	0
AZ PHOENIX	96	73	102	69	84	2	.6	.4	.4	.6	102	5.3	107	64	24	7	0	3	0
PRESCOTT	81	50	88	46	66	3	.8	.5	1.1	78	10.4	72	68	24	0	0	3	3	0
TUCSON	92	64	98	61	78	0	.9	.6	.7	2.3	197	10.5	123	75	26	6	0	4	1
YUMA	100	76	105	72	88	2	T	-1	T	T	5	1.1	68	58	22	7	0	0	0
AR FORT SMITH	84	53	91	47	68	-4	T	-7	T	T	1.1	40	27.1	100	38	1	0	1	0
LITTLE ROCK	79	59	85	55	69	-3	T	-1.0	T	T	3.9	104	28.1	76	73	43	0	0	0
CA BAKERSFIELD	93	62	101	58	78	2	0	0	0	T	10	4.1	103	61	22	5	0	0	0
EUREKA	60	53	64	50	56	0	0	-3	0	T	3	18.0	77	94	82	0	0	1	0
FRESNO	92	59	98	56	76	3	0	-1	0	T	0	6.7	94	73	25	5	0	0	0
LOS ANGELES	78	65	85	62	71	2	.1	.1	.1	.1	80	3.1	37	95	64	0	0	1	0
REDDING	95	55	108	50	75	1	0	-3	0	0	0	19.3	74	63	18	5	0	0	0
SACRAMENTO	90	53	100	52	72	1	0	-1	0	0	0	8.8	81	89	25	4	0	0	0
SAN DIEGO	74	65	77	64	70	-1	.6	.6	.5	.6	394	5.8	90	89	76	0	0	2	0
SAN FRANCISCO	71	54	77	52	63	-1	T	-1	T	T	0	8.5	68	93	56	0	0	0	0
CO DENVER	79	46	84	40	62	2	0	-3	0	.7	64	15.9	125	71	19	0	0	0	0
GRAND JUNCTION	83	49	85	44	66	2	T	-2	T	T	.1	21	142	48	13	0	0	0	0
PUEBLO	83	43	87	39	63	-1	.1	-1	0	.3	40	9.4	102	86	21	0	0	2	0
CT BRIDGEPORT	69	53	75	43	61	-3	.2	-.5	.2	2.6	93	25.8	86	88	53	0	0	0	0
HARTFORD	69	48	75	37	58	-3	T	-9	T	6.8	199	35.5	111	95	53	0	0	1	0
DC WASHINGTON	74	58	78	51	66	-3	.4	-.3	.3	4.7	167	26.7	90	90	50	0	0	2	0
FL APALACHICOLA	85	65	88	59	75	-3	.2	-1.7	.2	4.2	54	40.4	91	92	46	0	0	1	0
DAYTONA BEACH	87	68	92	63	78	-1	.7	-.8	.7	5.2	89	36.3	95	94	52	1	0	1	0
JACKSONVILLE	87	62	91	58	75	-3	0	-1.4	0	6.8	118	37.5	88	95	39	1	0	0	0
KEY WEST	92	79	93	76	85	2	.6	-.9	.3	3.0	56	28.1	99	88	60	7	0	5	0
MIAMI	91	75	94	74	83	2	5.7	3.8	2.4	7.2	104	33.8	76	96	58	5	0	4	4
ORLANDO	90	73	96	68	81	1	.8	-.6	.6	6.6	116	40.4	97	90	50	4	0	5	1
TALLAHASSEE	85	57	87	51	71	-5	0	-1.4	0	3.6	63	60.0	114	96	39	0	0	1	0
TAMPA	89	72	92	67	80	0	.1	-1.1	.1	2.0	36	40.1	101	91	56	5	0	1	0
WEST PALM BEACH	90	75	93	72	83	2	3.5	1.2	2.4	7.7	96	38.9	87	97	59	4	0	6	2
GA ATLANTA	81	58	85	52	70	-1	0	-.7	0	1.7	61	37.7	100	80	32	0	0	0	0
AUGUSTA	86	55	87	51	70	-2	T	-.8	T	1.6	51	35.1	100	98	33	0	0	1	0
MACON	85	53	87	51	69	-5	0	-.7	0	1.5	50	32.9	91	97	32	0	0	0	0
SAVANNAH	84	62	87	58	73	-2	0	-1.1	0	7.8	168	52.4	124	92	41	0	0	0	0
HI HILO	85	69	87	66	77	1	.2	-1.3	.1	8.2	143	86.2	96	93	61	0	0	3	0
HONOLULU	89	73	92	68	81	1	T	-.2	T	.5	100	4.1	28	84	51	3	0	0	0
KAHULUI	86	70	90	66	78	0	.7	.7	.6	.8	386	21.8	176	89	58	1	0	2	1
LIHUE	83	72	85	69	78	-1	1.2	.5	1.2	2.6	143	18.0	64	88	63	0	0	1	1
ID BOISE	84	51	94	42	68	7	0	-1	0	0	0	6.5	81	45	16	3	0	0	0
LEWISTON	83	54	92	49	68	7	T	-.2	T	T	0	8.0	86	44	19	2	0	0	0
POCATELLO	83	41	89	38	62	6	0	-.2	0	0	0	8.4	107	56	13	0	0	0	0
IL CHICAGO	71	49	85	44	60	-2	.2	-.7	.1	.8	22	33.1	122	95	53	0	0	2	0
MOLINE	72	48	83	42	60	-2	T	-.8	T	.8	24	28.8	96	94	50	0	0	1	0
PEORIA	72	47	83	43	60	-3	T	-.8	T	1.0	32	19.1	68	96	47	0	0	1	0
QUINCY	75	51	85	48	63	-2	.3	-.7	.3	1.7	45	22.0	73	91	42	0	0	1	0
ROCKFORD	70	46	83	40	58	-3	.1	-.8	.1	1.4	43	32.4	112	98	54	0	0	1	0
SPRINGFIELD	76	48	86	44	62	-4	T	-.7	T	.4	15	19.3	72	91	39	0	0	1	0
IN EVANSVILLE	79	49	88	45	64	-3	0	-.6	0	1.3	55	23.5	74	98	35	0	0	0	0
FORT WAYNE	71	47	79	37	59	-3	.3	-.3	.3	.9	42	24.8	94	98	46	0	0	2	0
INDIANAPOLIS	74	48	82	43	61	-3	T	-.6	T	2.8	39	24.3	81	96	39	0	0	1	0
SOUTH BEND	69	47	80	40	58	-4	.2	-.6	.1	2.8	99	24.3	85	96	49	0	0	2	0
IA DES MOINES	75	50	84	47	63	0	T	-.7	T	1.4	51	30.1	118	92	44	0	0	0	0
SIoux CITY	78	48	89	44	63	2	0	-.5	0	1.4	65	22.9	106	95	38	0	0	1	0
WATERLOO	72	45	83	41	58	-1	T	-.7	T	1.8	61	26.9	99	97	50	0	0	0	0
KS CONCORDIA	82	52	90	46	67	2	0	-.7	0	1.2	44	30.4	131	83	30	2	0	0	0
DODGE CITY	81	52	87	44	67	0	0	-.4	0	1.5	92	22.0	124	84	31	0	0	0	0
GOODLAND	83	45	89	38	64	2	0	-.3	0	1.5	121	18.2	130	77	20	0	0	0	0
TOPEKA	80	51	87	44	65	-1	0	-.8	0	1.8	60	31.4	116	95	39	0	0	1	0
WICHITA	82	55	88	48	68	0	.1	-.8	.1	.9	28	32.7	140	88	32	0	0	0	0
KY BOWLING GREEN	78	49	83	45	64	-4	T	-.7	T	2.6	94	31.8	85	97	41	0	0	0	0
LEXINGTON	76	50	84	46	63	-3	0	-.7	0	.3	10	26.7	74	89	36	0	0	0	0
LOUISVILLE	77	52	85	50	64	-3	T	-.7	T	.7	23	24.5	73	92	37	0	0	1	0
LA ALEXANDRIA	84	55	87	51	70	-6	0	-.6	0	1.5	56	39.9	100	95	39	0	0	0	0
BATON ROUGE	84	61	87	58	73	-4	0	-1.0	0	.4	9	52.4	120	90	40	0	0	0	0
LAKE CHARLES	85	61	86	58	73	-3	0	-1.3	0	3.8	75	48.0	119	92	40	0	0	0	0
NEW ORLEANS	85	60	88	57	73	-4	0	-1.3	0	.4	8	53.2	113	94	38	0	0	0	0

Based on 1951-80 normals.

Weather Data for the Week Ending September 26, 1987

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
ME SHREVEPORT	86	56	90	-52	71	-4	0	-8	0	.7	25	29.5	89	93	31	1	0	0	0	
ME CARIBOU	55	41	63	29	48	-3	1.3	-3	1.0	4.1	132	21.4	81	99	69	0	0	0	6	
MD PORTLAND	63	44	68	33	53	-3	2.1	1.3	2.1	4.3	154	32.1	108	97	58	0	0	3	1	
MD BALTIMORE	73	54	77	47	63	-3	.1	-6	.1	6.7	222	31.1	98	95	51	0	0	2	0	
MA SALISBURY	75	53	80	43	64	-2	.1	-7	.1	3.8	109	28.9	84	95	47	0	0	0	0	
MA BOSTON	67	55	75	48	61	-1	1.1	-3	1.0	7.0	238	37.0	119	87	59	0	0	3	1	
MA CHATHAM	64	54	71	47	59	-1	1.7	-9	1.7	7.7	237	39.8	120	90	71	0	0	3	1	
MI ALPENA	68	46	76	36	57	2	1.2	.5	4	2.6	94	17.6	79	99	49	0	0	3	0	
MI DETROIT	70	48	75	43	59	-2	T	-5	T	2.1	108	27.9	119	98	44	0	0	1	0	
MI FLINT	67	44	73	38	56	-3	.5	0	.3	4.8	235	20.8	93	99	57	0	0	0	0	
MI GRAND RAPIDS	67	47	74	38	57	-3	.3	-4	.3	3.7	132	24.3	97	97	56	0	0	2	0	
MI HOUGHTON LAKE	66	48	71	36	57	2	.2	-4	.1	2.7	110	17.0	80	93	53	0	0	2	0	
MI LANSING	67	45	75	36	56	-3	.6	-1	.4	3.2	125	20.8	91	96	55	0	0	2	0	
MI MARQUETTE	64	43	72	34	53	-2	.5	-3	.3	2.2	69	24.0	104	94	51	0	0	3	2	
MI MUSKOGON	67	48	72	38	58	-2	2.1	1.5	1.2	3.6	142	23.7	104	92	58	0	0	2	0	
MI SAULT ST. MARIE	64	43	68	31	53	1	.2	-7	.2	1.6	46	19.1	79	95	58	0	1	3	0	
MN ALEXANDRIA	73	48	85	44	60	5	T	-5	T	2.4	120	14.8	72	92	47	0	0	0	0	
MN DULUTH	67	43	76	29	55	3	.3	-4	.3	2.9	101	16.8	70	96	45	0	1	1	0	
MN INT'L FALLS	67	39	73	28	53	3	T	-7	T	1.3	48	17.8	90	95	39	0	0	0	0	
MN MINNEAPOLIS	73	48	84	43	61	3	.1	-4	.1	1.4	61	28.4	130	94	45	0	0	1	0	
MS ROCHESTER	69	45	79	40	57	1	.1	-7	.1	2.0	69	22.1	95	96	53	0	0	2	0	
MS GREENWOOD	85	53	87	49	69	-5	0	-8	0	1.0	35	31.5	79	95	32	0	0	0	0	
MS JACKSON	84	53	88	49	69	-6	0	-8	0	1.5	49	39.3	113	100	37	0	0	0	0	
MS MERIDIAN	84	53	87	51	69	-5	0	-8	0	4.2	135	46.5	82	93	40	0	0	0	0	
MO CAPE GIRARDEAU	79	51	85	48	65	-1	0	-8	0	2.8	83	28.2	82	90	41	0	0	0	0	
MO COLUMBIA	78	52	87	48	65	-2	T	-9	T	2.1	61	22.2	77	90	42	0	0	1	0	
MO KANSAS CITY	78	53	86	46	65	-2	0	-1.0	0	3.6	97	28.6	98	90	41	0	0	0	0	
MO SAINT LOUIS	78	54	85	50	66	-1	0	-6	0	.5	21	24.0	91	80	36	0	0	0	0	
MO SPRINGFIELD	78	51	83	44	64	-3	0	-1.0	0	3.9	105	35.5	117	95	43	0	0	0	0	
MT BILLINGS	80	47	88	41	64	7	T	-3	T	.7	61	11.8	98	66	21	0	0	1	0	
MT GLASGOW	79	45	88	40	62	7	0	-2	0	.3	35	8.8	92	70	22	0	0	0	0	
MT GREAT FALLS	77	42	84	38	60	5	T	-2	T	1.1	124	13.2	105	80	24	0	0	1	0	
MT HAVRE	80	41	88	35	60	6	0	-2	0	.5	58	7.5	76	83	23	0	0	0	0	
MT HELENA	80	43	86	38	61	8	T	-2	T	.8	110	9.5	99	78	25	0	0	0	0	
MT KALISPELL	79	37	84	31	58	7	.6	.3	.6	.6	57	13.3	113	90	23	0	1	1	1	
MT MILES CITY	79	45	87	42	62	6	0	-3	0	.4	42	11.5	97	59	21	0	0	0	0	
MT MISSOULA	81	39	88	36	60	7	.1	-2	.1	.1	8	8.8	87	77	21	0	0	2	0	
NE GRAND ISLAND	79	45	88	39	62	0	0	-5	0	1.2	54	23.0	114	92	30	0	0	0	0	
NE LINCOLN	78	47	87	44	63	0	0	-6	0	3.0	115	28.7	123	98	43	0	0	0	0	
NE NORFOLK	78	47	90	41	63	2	0	-5	0	3.2	174	25.4	123	94	34	1	0	0	0	
NE NORTH PLATTE	81	38	87	34	60	1	0	-4	0	1.2	79	16.7	97	96	23	0	0	0	0	
NE OMAHA	76	52	86	47	64	1	0	-8	0	1.2	40	28.8	112	85	48	0	0	0	0	
NE SCOTTSBLUFF	83	38	90	34	60	2	0	-3	0	1.5	167	21.7	172	88	16	1	0	0	0	
NE VALENTINE	81	40	92	34	61	2	0	-3	0	.3	26	18.3	120	79	21	1	0	0	0	
NV ELY	81	36	84	32	58	4	T	-2	T	T	7	8.7	126	61	17	0	1	0	0	
NV LAS VEGAS	94	65	99	62	80	2	T	-1	T	T	0	3.4	115	42	15	5	0	0	0	
NV RENO	87	42	91	40	65	7	0	-1	0	T	5	6.1	120	61	12	3	0	0	0	
NV WINNEMUCCA	87	37	93	31	62	5	0	-1	0	T	0	6.9	126	36	15	3	1	0	0	
NH CONCORD	63	42	70	27	52	-4	.6	-1	.5	3.9	144	28.6	110	98	57	0	2	3	1	
NJ ATLANTIC CITY	71	50	77	39	61	-4	.5	-1	.5	3.2	126	34.1	110	95	54	0	0	1	0	
NM ALBUQUERQUE	81	54	84	50	67	0	T	-2	T	.1	15	7.1	116	67	22	0	0	1	0	
NM CLOVIS	81	56	86	53	69	2	.2	-3	.2	3.3	204	22.1	158	81	32	0	0	1	0	
NM ROSWELL	84	54	88	48	69	0	T	-4	T	.8	50	13.9	162	85	29	0	0	1	0	
NY ALBANY	66	46	70	36	56	-3	.1	-6	.1	6.2	222	28.2	108	98	57	0	0	0	0	
NY BINGHAMTON	62	46	70	39	54	-4	.7	0	.6	4.1	141	27.5	101	99	62	0	0	0	0	
NY BUFFALO	67	50	70	44	59	-1	.4	-4	.2	4.5	151	31.5	117	95	55	0	0	5	0	
NY NEW YORK	69	56	75	51	63	-4	.4	-3	.4	3.2	107	34.9	111	91	57	0	0	2	0	
NY ROCHESTER	65	46	69	40	56	-4	.4	-2	.2	2.8	121	25.3	109	99	61	0	0	3	0	
NY SYRACUSE	66	48	73	42	57	-3	.4	-4	.3	5.3	186	24.9	87	96	56	0	0	3	0	
NC ASHEVILLE	74	46	79	41	60	-5	0	-8	0	6.3	189	37.0	109	97	41	0	0	0	0	
NC CHARLOTTE	79	59	82	55	69	-1	T	-8	T	6.2	196	30.4	91	85	38	0	0	0	0	
NC GREENSBORO	78	55	81	48	67	-1	0	-8	0	6.8	214	39.6	121	94	42	0	0	0	0	
NC HATTERAS	80	63	84	55	71	-2	2.2	.9	1.5	6.7	134	51.6	126	95	53	0	0	3	2	
NC NEW BERN	83	62	86	55	73	1	T	-1.2	T	2.4	46	43.9	110	98	44	0	0	2	0	
NC RALEIGH	80	56	82	51	68	-1	.2	-5	.2	5.1	177	35.6	110	98	44	0	0	1	0	
NC WILMINGTON	84	61	88	55	73	0	.1	-1.1	.1	5.7	112	43.0	100	99	43	0	0	0	0	
ND BISMARCK	75	38	82	34	57	2	0	-3	0	.3	21	16.9	128	97	36	0	0	0	0	
ND FARGO	73	44	81	38	58	3	0	-4	0	1.4	87	13.4	81	92	45	0	0	0	0	
ND GRAND FORKS	72	42	77	32	57	3	0	-4	0	1.6	90	17.7	114	90	41	0	1	0	0	
ND WILLISTON	76	41	84	34	59	5	0	-3	0	.4	36	11.1	95	85	28	0	0	2	0	
OH AKRON-CANTON	68	48	73	42	58	-4	T	-7	T	1.7	67	23.5	84	96	50	0	0	2	0	
OH CINCINNATI	74	47	80	44	61	-5	T	-7	T	.8	33	25.6	83	95	38	0	0	0	0	
OH CLEVELAND	68	48	75	41	58	-4	.3	-3	.3	1.9	73	30.4	113	96	49	0	0	2	0	
OH COLUMBUS	73	46	79	39	59	-4	.3	-3	.2	.9	36	20.0	68	96	40	0	0	2	0	

Based on 1951-80 normals.

Weather Data for the Week Ending September 26, 1987

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	74	47	80	40	61	-3	.1	-.5	.1	.1	6	18.6	68	91	34	0	0	1	0	
TOLEDO	70	45	77	37	58	-3	.1	-.5	0	2.0	91	21.9	90	99	47	0	0	2	0	
YOUNGSTOWN	67	46	74	37	57	-3	.2	-.5	.1	2.9	106	30.6	107	98	55	0	0	2	0	
OK OKLAHOMA CITY	81	58	89	54	70	-1	.5	-.4	.4	3.6	119	36.1	145	86	39	0	0	2	0	
TULSA	81	58	89	52	70	-2	.1	-1.0	.1	2.9	77	33.2	110	88	38	0	0	1	0	
OR ASTORIA	66	51	74	45	59	1	.1	-.7	.1	1.0	36	33.6	82	98	72	0	0	1	0	
BURNS	81	41	89	31	61	5	0	-.1	0	T	5	7.1	95	***	***	0	1	0	0	
MEDFORD	87	47	102	42	67	4	0	-.2	0	0	0	9.4	82	76	21	3	0	0	0	
PENDLETON	81	53	89	48	67	6	T	-.1	T	6	5.7	72	51	22	0	0	1	0	0	
PORTLAND	78	53	93	50	66	5	.2	-.3	.2	.3	23	19.8	89	97	45	1	0	2	0	
PA SALEM	78	48	93	44	63	3	.1	-.4	0	.1	11	22.0	93	95	41	1	0	2	0	
ALLENTOWN	69	49	74	39	59	-3	.1	-.8	.1	8.7	245	38.0	115	98	55	0	0	2	0	
ERIE	67	54	74	49	60	0	.3	-.6	.2	4.6	134	32.6	113	87	53	0	0	2	0	
HARRISBURG	70	51	75	43	60	-4	.6	-.2	.4	8.1	256	29.7	101	96	55	0	0	3	0	
PHILADELPHIA	72	54	76	45	63	-3	.3	-.4	.2	2.6	86	26.9	86	91	52	0	0	2	0	
PITTSBURGH	69	49	75	39	59	-3	.5	-.2	.4	3.6	151	33.3	117	97	49	0	0	2	0	
SCRANTON	66	47	70	40	57	-4	.1	-.6	.1	7.6	271	33.0	127	98	61	0	0	3	0	
RI PROVIDENCE	68	51	74	43	60	-2	.4	-.4	.3	7.0	229	32.3	100	91	55	0	0	2	0	
SC CHARLESTON	84	64	89	58	74	1	0	-1.0	0	13.8	315	49.6	116	93	42	0	0	0	0	
COLUMBIA	84	55	86	50	69	-3	0	-.9	0	4.9	130	46.8	117	97	36	0	0	0	0	
FLORENCE	83	59	86	54	71	-1	0	-.9	0	3.6	100	31.1	86	97	38	0	0	0	0	
GREENVILLE	80	54	83	51	67	-3	0	-1.1	0	3.0	75	36.7	92	94	38	0	0	0	0	
SD ABERDEEN	79	44	91	38	62	5	0	-.3	0	1.3	102	11.2	73	94	33	1	0	0	0	
HURON	80	48	95	41	64	6	0	-.3	0	1.4	114	17.0	108	93	34	1	0	0	0	
RAPID CITY	84	45	91	34	64	6	0	-.2	0	.7	76	11.5	81	68	16	2	0	0	0	
SIoux FALLS	76	46	89	40	61	3	0	-.6	0	2.1	84	15.3	75	93	38	0	0	0	0	
TN CHATTANOOGA	80	51	85	49	65	-5	0	-1.0	0	2.5	66	38.3	96	99	35	0	0	0	0	
KNOXVILLE	78	49	84	46	64	-6	0	-.7	0	1.9	75	29.4	82	100	41	0	0	0	0	
MEMPHIS	82	57	86	54	69	-3	0	-.8	0	1.0	31	28.4	72	89	40	0	0	0	0	
NASHVILLE	80	51	86	48	65	-5	0	-.8	0	1.2	35	20.2	54	96	37	0	0	0	0	
TX ABILENE	83	58	86	55	71	-3	0	-.7	0	2.0	77	21.1	115	82	34	0	0	0	0	
AMARILLO	80	54	84	51	67	-1	.6	-.2	.5	3.3	217	18.6	114	91	37	0	0	2	1	
AUSTIN	85	63	88	59	74	-3	0	-.9	0	4.4	142	31.3	135	83	38	0	0	0	0	
BEAUMONT	84	62	86	57	73	-4	0	-1.2	0	7.6	162	48.2	116	98	45	0	0	0	0	
BROWNSVILLE	88	70	92	63	79	-2	1.8	.6	1.4	1.9	42	17.3	94	97	56	3	0	3	1	
CORPUS CHRISTI	88	66	90	57	77	-3	T	-1.5	T	.4	6	25.9	104	84	42	1	0	0	0	
DEL RIO	87	64	92	58	75	-3	T	-.7	T	.1	6	20.3	154	71	32	1	0	0	0	
EL PASO	84	57	88	52	70	-3	.1	-.3	.1	.9	73	7.6	125	86	31	0	0	1	0	
FORT WORTH	86	59	92	53	72	-3	0	-.9	0	1.4	46	20.0	84	89	34	2	0	0	0	
GALVESTON	83	71	84	67	77	-2	0	-1.4	0	1.3	24	28.9	95	76	47	0	0	0	0	
HOUSTON	85	61	88	55	73	-4	0	-1.2	0	2.2	49	31.4	91	95	42	0	0	0	0	
LUBBOCK	82	56	87	53	69	0	.1	-.3	.1	2.7	150	17.0	117	93	37	0	0	2	0	
MIDLAND	86	55	89	53	71	-1	.1	-.4	.1	1.4	76	13.3	123	85	27	0	0	1	0	
SAN ANGELO	82	53	85	50	68	-6	0	-.7	0	3.9	147	28.7	206	92	40	0	0	0	0	
SAN ANTONIO	87	60	89	55	74	-4	0	-.9	0	1.9	59	32.4	148	87	35	0	0	0	0	
VICTORIA	87	64	89	57	76	-3	T	-1.5	T	2.0	37	33.8	119	91	39	0	0	1	0	
WACO	86	58	90	52	72	-5	0	-.8	0	5.2	191	25.7	111	94	35	2	0	0	0	
WICHITA FALLS	86	58	91	56	72	-2	.4	-.4	.4	1.3	44	27.2	130	88	33	2	0	1	0	
UT BLANDING	80	51	84	48	65	5	T	-.2	T	.7	95	14.2	178	64	27	0	0	1	0	
CEDAR CITY	81	50	85	46	66	5	.1	-.1	.1	.3	32	7.7	99	55	20	0	0	2	0	
SALT LAKE CITY	83	53	87	48	68	6	0	-.2	0	.1	7	9.1	80	52	17	0	0	0	0	
VT BURLINGTON	60	48	66	39	54	-3	.6	-.1	.3	3.4	123	20.6	82	93	60	0	0	5	0	
VA NORFOLK	77	60	83	53	69	-2	.6	-.3	.5	5.8	154	35.9	103	92	54	0	0	2	0	
RICHMOND	75	55	79	48	65	-2	.8	0	.8	4.0	131	32.6	99	97	50	0	0	1	1	
ROANOKE	76	51	79	47	63	-3	T	-.7	T	10.4	384	42.7	144	94	44	0	0	1	0	
WA COLVILLE	81	45	88	41	63	7	.2	0	.2	.4	47	12.9	110	67	26	0	0	1	0	
QUILLAYUTE	69	48	80	42	59	3	.2	-1.5	.1	1.7	34	56.6	88	99	63	0	0	3	0	
SEATTLE-TACOMA	74	53	83	46	63	5	.3	-.2	.3	.9	54	20.3	89	92	48	0	0	1	0	
SPOKANE	79	48	88	43	63	7	T	-.2	T	2	11.3	104	71	22	0	0	0	0		
YAKIMA	82	45	89	41	63	5	0	-.1	0	0	0	4.6	90	82	24	0	0	0	0	
WV BECKLEY	67	48	73	42	58	-3	0	-.8	0	2.3	73	30.8	93	93	48	0	0	0	0	
CHARLESTON	72	51	77	40	61	-4	.1	-.6	.1	3.3	125	28.9	87	97	43	0	0	1	0	
HUNTINGTON	75	50	80	42	63	-3	0	-.7	0	1.4	54	24.9	78	99	39	0	0	0	0	
PARKERSBURG	74	51	79	42	62	-3	.1	-.6	.1	1.7	68	19.3	65	95	40	0	0	1	0	
WI GREEN BAY	69	48	77	40	59	2	.6	-.1	.5	1.6	57	16.3	74	93	53	0	0	2	0	
LACROSSE	72	48	82	38	60	1	.1	-.7	.1	2.1	68	28.5	114	96	49	0	0	1	0	
MADISON	68	46	79	35	57	-1	.4	-.3	.4	3.6	132	24.8	100	96	55	0	0	2	0	
MILWAUKEE	68	49	80	44	59	-1	.5	-.1	.4	2.0	80	29.8	123	91	52	0	0	3	0	
WAUSAU	69	47	78	37	58	3	T	-.8	T	2.1	62	18.7	72	95	43	0	0	1	0	
WY CASPER	81	41	86	34	61	6	0	-.2	0	.6	94	11.2	123	57	12	0	0	0	0	
CHEYENNE	76	42	81	36	59	4	0	-.2	0	.9	99	13.7	118	65	16	0	0	0	0	
LANDER	81	48	87	42	64	9	0	-.2	0	.3	45	12.3	118	45	13	0	0	0	0	
SHERIDAN	80	43	88	36	62	7	0	-.3	0	1.4	144	12.5	103	77	22	0	0	0	0	
PR SAN JUAN	93	77	96	75	85	3	.3	-1.1	.2	1.6	31	43.6	116	91	73	6	0	3	0	

Based on 1951-80 normals.

## National Agricultural Summary

September 21 to 27, 1987

**HIGHLIGHTS:** Weather conditions were ideal for row crop harvest across most of the eastern half of the Nation. Harvest progressed significantly in most areas. Dry conditions impeded winter wheat seeding in a few areas. Fieldwork averaged 5 to 6 days in most areas. Rain limited fieldwork to less than 5 days in Oklahoma, New York, Pennsylvania, Virginia, and West Virginia.

Winter wheat seeding reached 50 percent (%) completion, 11 percentage points above the 5-year average. Twenty-nine percent of the acreage was emerged, compared with 21% normally. Corn was 27% harvested, 15 points above the average and 14 points above 1986. Harvest was ahead of normal in all States. Corn was mostly mature except in a few Northern States. Soybean harvest reached 20% completion, 11 and 12 points ahead of the average and 1986, respectively. Harvest neared the halfway mark in some Corn Belt States. Sorghum harvest was 40% finished, compared with 34% normally. Cotton harvest increased 9 points above the previous week to 23% completion. Normally, 14% of the acreage would be harvested by this date. Bolls opened at a much slower pace because of the slow development in New Mexico, Oklahoma, and Texas. Rice was 75% harvested, 16 points above normal. Livestock was mostly good.

**SMALL GRAINS:** Winter wheat seeding advanced to 50% completion, 15 points above the previous week and 11 points above average. Emergence was 29% finished, 8 points above normal. Planting was ahead of normal in 11 of the 20 major producing States. Planting increased 20 points or more from the previous week in Colorado, Idaho, Kansas, Montana, and Nebraska. Seeding was ahead of normal by 15 points or more in Montana, Oklahoma, and Texas. Wheat seeding was behind normal in Colorado as farmers delayed planting to combat Russian wheat aphids and awaited additional moisture. Rain is needed for proper germination and growth in some Corn Belt States. Kansas farmers were dusting in and planting deeper to reach adequate moisture for germination in central and western counties. Seeding progressed well and emergence was good.

**CORN:** Corn was maturing 13 points faster than normal at 93% completion. Maturity was finished or near completion in all States except Colorado, Michigan, Pennsylvania, and Wisconsin. Harvest surged 11 points above the previous week and was 15 points ahead of normal. Harvest reached 27% completion, compared with 13% in 1986. The warm, dry weather was ideal for dry-down and harvest in the Corn Belt and central and northern Great Plains.

**SOYBEANS:** Soybeans dropping leaves increased 15 points to 75% completion. This compares with 66% dropping leaves in 1986 and 62% normally. Soybeans were just beginning the process in the Carolinas but were nearing completion in the Corn Belt. Harvest was 20% finished, more than doubling last year and the average. Significant gains were registered from the previous week in Illinois, Indiana, Minnesota, and Ohio. Rain brought relief to late maturing soybeans in Arkansas.

**SORGHUM:** Sorghum reaching maturity totaled 69% of the acreage, compared with 67% in 1986 and the 58% average. Forty percent of the acreage was harvested, 6 points above the average. Harvest was progressing 3 times slower than normal in Oklahoma but nearly doubled the average in Tennessee and was 5 times greater than normal in South Dakota. Illinois harvest was 52 points ahead of normal. In Kansas, most sorghum turned color, but late planted fields were susceptible to early freeze damage. Sorghum suffered heavy hail damage in the Panhandle of Oklahoma.

**COTTON:** Cotton bolls opened slowly, climbing 4 points ahead of the previous week to 64% completion. Bolls opening continued lagging behind normal in New Mexico, Oklahoma, and Texas. Cotton harvest reached 23% completion, 9 points ahead of normal and 3 points ahead of 1986. Harvest increased 20 points ahead of the previous week in both Arkansas and Missouri and was 25 and 38 points ahead of normal, respectively. Mississippi harvest surged 28 points in 1 week to 45% completion, 23 points ahead of normal. Cotton needed warm, sunny weather for maturity in Oklahoma. Warmth aided cotton development in Texas, but additional warm weather is needed for the crop to reach full maturity.

**OTHER CROPS:** Rice was 75% harvested, 16 points above the 59% average. Harvest neared completion in Louisiana. Harvest was 20 and 26 points ahead of normal in Mississippi and Arkansas, respectively.

Peanut harvest trailed behind normal in Alabama, Georgia, North Carolina, South Carolina, and Texas. Mississippi harvest was 8 points ahead of normal at 70% completion.

Burley tobacco harvest was winding in most States. Harvest was virtually finished in Kentucky and Tennessee. Flue-cured harvest continued in the Southeast and lagged behind normal in most States.

**FRUIT AND NUTS:** Florida's citrus groves were good. Shorter days and dryness slowed new foliage growth. New crop fruit began moving to packing houses. Early orange harvest increased in Texas. Red delicious and Granny Smith apples were picked in southeast Arizona. Golden delicious harvest was finished. Table and wine grape harvest neared completion in California. Most of the raisin crop was rolled or picked with generally very good quality. Nectarine, pear, peach, plum harvests were mostly finished except for a few late varieties remaining. Lemons and grapefruit were packed.

**VEGETABLES:** Winter vegetable planting was active in Florida. Radishes were dug in the Everglades and Zellwood areas. Sweet corn harvest gained momentum. Fall vegetable planting continued in the Rio Grande Valley. Wet fields limited harvest and planting in the High Plains. Fall lettuce harvest was underway in southwest Arizona. Broccoli, carrots, cauliflower, celery, lettuce, and melons were harvested in California. Celery planting continued along the southern coast. Fall lettuce matured rapidly at Westside.

**PASTURES AND LIVESTOCK:** Pastures were mostly fair to good. Livestock was mostly good. Movement from summer pastures increased in Northern States.

Crop Progress

FOR WEEK ENDING SEPTEMBER 27, 1987

GRAIN SORGHUM  
% COLORING

	1987	1986	AVG.
ARK	100	99	NA
ILL	100	94	NA
KANS	95	90	80
LA	100	100	100
MISS	100	100	100
MO	99	98	96
NEBR	100	100	92
OKLA	95	99	97
S DAK	100	88	91
TENN	100	99	96
TEX	98	91	93

11 STATES	98	94	NA
EXCL. STATES WITH NA	97	93	89

THESE 11 STATES PRODUCED 96% OF THE 1986 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

GRAIN SORGHUM  
% MATURE

	1987	1986	AVG.
ARK	98	94	NA
ILL	98	74	NA
KANS	50	55	35
LA	100	100	98
MISS	97	100	95
MO	87	76	76
NEBR	90	82	54
OKLA	40	50	55
S DAK	88	40	55
TENN	97	89	75
TEX	73	71	74

11 STATES	71	68	NA
EXCL. STATES WITH NA	69	67	58

THESE 11 STATES PRODUCED 96% OF THE 1986 GRAIN SORGHUM CROP.

NA - NOT AVAILABLE.

GRAIN SORGHUM  
% HARVESTED

	1987	1986	AVG.
ARK	93	86	74
ILL	65	15	13
KANS	20	10	10
LA	94	98	92
MISS	89	96	68
MO	52	30	34
NEBR	6	2	4
OKLA	5	5	15
S DAK	25	2	5
TENN	85	65	45
TEX	59	59	64

11 STATES	40	33	34
THESE 11 STATES PRODUCED 96% OF THE 1986 GRAIN SORGHUM CROP.			

COTTON  
% BOLLS OPENING

	1987	1986	AVG.
ALA	94	84	80
ARIZ	92	93	93
ARK	96	90	88
CALIF	100	95	83
GA	76	66	70
LA	96	98	86
MISS	98	100	93
MO	100	75	89
N MEX	70	100	97
N C	97	95	94
OKLA	20	25	40
S C	89	90	87
TENN	92	91	89
TEX	37	27	41

14 STATES	64	58	63
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THESE 14 STATES PRODUCED 100% OF THE 1986 COTTON CROP.

COTTON  
% HARVESTED

	1987	1986	AVG.
ALA	35	9	12
ARIZ	7	5	4
ARK	44	26	19
CALIF	5	0	0
GA	15	9	9
LA	41	50	25
MISS	45	54	22
MO	60	23	22
N MEX	0	1	1
N C	6	3	5
OKLA	0	0	1
S C	13	11	11
TENN	40	25	15
TEX	17	15	15

14 STATES	23	20	14
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THESE 14 STATES PRODUCED 100% OF THE 1986 COTTON CROP.

WINTER WHEAT  
% PLANTED

	1987	1986	AVG.
ARK	1	3	5
CALIF	0	0	0
COLO	77	85	87
GA	3	6	4
IDAHO	49	51	44
ILL	10	8	7
IND	12	7	11
KANS	55	60	40
MICH	15	5	15
MO	16	9	10
MONT	77	19	51
NEBR	90	78	81
N MEX	75	65	NA
N C	1	3	4
OHIO	10	4	10
OKLA	45	50	25
OREG	15	12	12
S DAK	94	66	86
TEX	51	48	34
WASH	58	61	58

20 STATES	51	48	NA
EXCL. STATES WITH NA	50	48	39

THESE 20 STATES PRODUCED 91% OF THE 1986 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

WINTER WHEAT  
% EMERGED

	1987	1986	AVG.
ARK	0	0	NA
CALIF	0	0	0
COLO	43	56	57
GA	0	3	NA
IDAHO	27	17	18
ILL	3	3	1
IND	4	4	2
KANS	20	35	NA
MICH	10	3	NA
MO	5	3	2
MONT	42	11	20
NEBR	55	62	50
N MEX	63	50	NA
N C	0	0	NA
OHIO	0	0	0
OKLA	20	20	5
OREG	2	2	2
S DAK	75	61	59
TEX	30	27	11
WASH	36	46	43

20 STATES	26	29	NA
EXCL. STATES WITH NA	29	28	21

THESE 20 STATES PRODUCED 91% OF THE 1986 WINTER WHEAT CROP.

NA - NOT AVAILABLE.

SOYBEANS  
% DROPPING LEAVES

	1987	1986	AVG.
ALA	36	32	31
ARK	22	21	19
GA	34	28	36
ILL	97	89	80
IND	98	86	78
IOWA	95	75	77
KANS	60	75	55
KY	59	47	40
LA	43	37	36
MICH	85	55	80
MINN	99	72	85
MISS	41	68	49
MO	63	59	50
NEBR	75	72	58
N C	8	7	11
OHIO	97	87	80
S C	9	14	12
S DAK	100	69	81
TENN	55	40	35

19 STATES	75	66	62
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THESE 19 STATES PRODUCED 96% OF THE 1986 SOYBEANS CROP.

SOYBEANS  
% HARVESTED

	1987	1986	AVG.
ALA	13	4	4
ARK	2	3	2
GA	2	0	2
ILL	48	23	20
IND	48	11	13
IOWA	12	1	9
KANS	10	10	5
KY	12	4	3
LA	8	8	7
MICH	5	1	2
MINN	24	3	5
MISS	7	12	5
MO	10	7	6
NEBR	5	2	5
N C	0	0	0
OHIO	34	14	14
S C	0	0	0
S DAK	14	1	8
TENN	0	0	0

19 STATES	20	8	9
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THESE 19 STATES PRODUCED 96% OF THE 1986 SOYBEANS CROP.

CORN % MATURE				CORN % HARVESTED				RICE % HARVESTED			
	1987	1986	AVG.		1987	1986	AVG.		1987	1986	AVG.
COLO	34	69	65	COLO	4	1	3	ARK	79	80	53
GA	100	100	100	GA	90	92	89	CALIF	15	8	7
ILL	100	100	93	ILL	50	20	13	LA	96	97	89
IND	100	93	76	IND	35	12	7	MISS	80	95	60
IOWA	99	92	85	IOWA	16	4	8	TEX	100	100	100
KANS	90	90	75	KANS	45	40	20	5 STATES	75	76	59
KY	98	93	80	KY	57	36	25	THESE 5 STATES PRODUCED			97%
MICH	80	35	65	MICH	7	1	3	OF THE 1986 RICE CROP.			
MINN	97	40	61	MINN	10	0	2				
MO	99	99	91	MO	50	32	30				
NEBR	90	88	70	NEBR	10	4	4				
N C	99	100	98	N C	48	61	61				
OHIO	92	81	75	OHIO	24	11	9				
PA	50	44	33	PA	6	8	3				
S DAK	92	64	79	S DAK	11	0	3				
TEX	98	96	97	TEX	78	79	76				
WIS	75	48	62	WIS	6	1	1				
17 STATES	93	80	78	17 STATES	27	13	12				
THESE 17 STATES PRODUCED	94%			THESE 17 STATES PRODUCED	94%						
OF THE 1986 CORN CROP.				OF THE 1986 CORN CROP.							

Crop Condition

FOR THE WEEK ENDING SEPTEMBER 27, 1987

SOYBEANS						CORN						COTTON						
STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX	STATE	VP	P	F	G	EX	
ALA	4	20	63	13	0	COLO	0	1	12	72	15	ALA	0	8	65	25	2	
ARK	0	15	40	45	0	GA	0	4	26	61	9	ARIZ	0	0	0	95	5	
GA	1	6	44	44	5	ILL	0	1	13	68	18	ARK	0	1	1	76	22	
ILL	0	2	33	59	6	IND	0	1	7	70	22	CALIF	0	0	0	35	65	
IND	0	5	19	68	8	IOWA	0	1	9	61	29	GA	0	4	40	55	1	
IOWA	1	1	6	68	24	KANS	0	0	26	52	22	LA	0	1	17	68	14	
KANS	0	0	4	19	77	MICH	3	12	30	40	15	MISS	0	1	21	73	5	
KY	10	25	53	9	3	MINN	0	1	15	64	20	N MEX	0	0	29	71	0	
LA	0	11	40	45	4	NEBR	0	2	13	70	15	N C	0	11	43	39	7	
MICH	2	13	25	45	15	PA	3	8	24	41	24	OKLA	0	0	35	65	0	
MINN	0	0	10	65	25	S DAK	0	2	12	71	15	S C	1	24	75	0	0	
MISS	3	16	64	14	3	TEX	0	3	26	52	19	TENN	0	0	46	44	10	
MO	1	11	32	51	5	WISC	0	0	9	59	32	TEX	0	2	24	64	10	
NEBR	0	0	14	76	10													
N C	0	5	50	42	3													
OHIO	2	9	31	49	9													
S C	0	1	46	48	5													
S DAK	0	0	8	79	13													
TENN	4	32	51	13	0													

GRAIN SORGHUM

STATE	VP	P	F	G	EX
ARK	0	2	30	61	7
ILL	0	0	17	73	10
KANS	0	6	4	45	45
MISS	0	3	42	52	3
NEBR	0	0	7	80	13
OKLA	0	1	7	90	2
S DAK	0	1	21	72	6
TEX	0	2	13	62	23

WINTER WHEAT

STATE	VP	P	F	G	EX
IDAHO	0	1	12	72	15
MICH	0	5	25	60	10
MONT	0	0	18	61	21
NEBR	0	0	8	86	6
N MEX	0	0	25	50	25
OKLA	0	0	5	90	5
S DAK	0	0	0	73	27
WASH	0	0	30	70	0

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:** No rainfall. Temperatures averaged 3 to 5° below normal.

Days suitable for fieldwork 6.5. Soil moisture 64% short, 36% adequate. Harvest conditions favorable; moisture needed for small grains, pastures. Corn 82% harvested, 77% 1986, 78% avg. Sorghum 58% harvested, 60% 1986, 59% avg.; 8% poor, 65% fair, 27% good. Cotton 94% bolls opened, 84% 1986, 80% avg.; 35% harvested, 9% 1986, 12% avg.; 8% poor, 65% fair, 25% good, 2% excellent. Soybeans 62% turning color, 61% 1986, 59% avg.; 36% dropping leaves, 32% 1986, 31% avg.; 25% mature, 17% 1986, 18% avg.; 13% harvested, 4% 1986, 4% avg.; 4% very poor, 20% poor, 63% fair, 13% good. Peanuts 33% dug, 25% 1986, 54% avg.; 24% combined, 11% 1986, 39% avg.; 6% poor, 76% fair, 18% good. Wheat 14% seeded, 11% 1986, 8% avg. Pastures mostly fair; livestock mostly good. Primary activities: Harvesting row crops, fall vegetables, hay, catfish; defoliating cotton; preparing land, seeding small grains; spraying cotton, soybeans for insect control; maintaining pecan orchards; routine care of livestock, poultry.

**ALASKA:** Warmer than normal temperatures, scattered rain showers. Temperature lows ranged 1 to 9° warmer than normal, highs ranged normal to 8° warmer than normal. Seasonal precipitation ranged 3.00 in. drier than normal to 3.00 in. wetter than normal.

Days suitable for making hay or harvesting grain 4.0. Topsoil moisture 2% short, 95% adequate, 3% surplus. Subsoil moisture 8% short, 89% adequate, 3% surplus. Barley for grain harvest virtually complete, 95% 1986. Second cutting hay 80%. Cabbage, carrot harvest continued. Commercial potato harvest generally finished. Winter straw availability mostly adequate to surplus.

**ARIZONA:** Sunny, warm weather prevailed 20th, except few thunderstorms extreme southeast. Activity increased 21st east central, southeastern portions; rainfall very light. Very moist, unstable air 22nd set off large thunderstorms southern deserts, central mountains. Showers, thunderstorms continued 23rd. Activity more scattered 24th, 25th; limited to isolated showers mountains 26th. Elsewhere, sunny, warmer, drier conditions returned. Moisture mostly 0.10 to 1.00 in., except less than 0.10 in. extreme west. Temperatures 4° below to 2° above normal.

Cotton defoliation harvest continued large scale west; yields good. Whiteflies present but less active. Defoliation, limited harvesting southeast. New boll weevil infestations detected central, impact unknown. Alfalfa hay good; renovation, new stand establishment west. Low prices caused hay to be stacked. Sorghum good west, aphids numerous. Progress good central. Corn harvested southeast. Lemons harvested west, movement active. Grapefruit harvest expected shortly west, grapefruit central areas undergoing maturity testing. Other citrus fruits developed satisfactorily. Lettuce, cauliflower, broccoli good progress west; planting continued. Fall lettuce stand establishment good La Paz County. Harvest limited scale southeast. Green onions, greens shipped central valley. Green chili harvested southeast; few bell peppers picked. Celery good west; asparagus harvested. White corn movement southeast light. Sweet corn tasseled, good. Red delicious, granny smith picked southeast; golden delicious complete, quality good. Pistachio harvest complete, some trees shook twice.

Fall honeydews, cantaloups picked central areas; new crop watermelons picked small amounts. Pumpkin, squash movement light southeast; shipments increased through month. Cattle, calves 23% fair, 59% good, 18% excellent.

**ARKANSAS:** Temperatures near to slightly above normal. Locally heavy rains midweek, weekend. Temperature extremes 48°; 98°. Rainfall 0.09 to 5.75 in.

Days suitable for fieldwork 5.0. Soil moisture 40% short, 54% adequate, 6% surplus. Major farming activities: Harvesting sorghum, rice, corn, cotton; irrigating soybeans; applying cotton defoliant; baling hay; fertilizing pastures; preparing fall seedbeds. Cotton 1% poor, 4% fair, 76% good, 19% excellent. Blast, sheath blight affected rice yields some counties. Rains brought relief to late maturing soybeans. Sorghum progressed; 100% turning color, 94% mature, 85% harvested. Corn mostly good, 92% harvested. Livestock still being fed; marketings up.

**CALIFORNIA:** High pressure ridge over west coast resulted in above normal temperatures midweek, upper level low formed off southern coast. Low brought showers southern coastal areas as much as 0.60 in.

Warm temperatures accelerated crop progress. Harvest activity increased. Rice fields drained. Cotton defoliant applied. Harvest continued field corn, sugarbeets, dry beans, alfalfa seed, grain sorghum, safflower, sunflower. Ground preparation. Apple harvest full swing. Granny smith apples packed Fresno, Stanislaus Counties. Hass avocado harvest nearly finished Riverside County. Soft date harvest continued Coachella Valley. Table grape, wine grape harvests neared completion. Ideal weather for raisin production, most crop rolled or picked up, quality generally very good. Nectarine, pear, peach, plum harvests complete with only late varieties remaining. Hachiya persimmons, pomegranate harvests very active. Olive harvest underway. Valencia oranges packed, some pulp damage from January's frost Fresno County. Navel oranges continued to size, mature. Lemons, grapefruit packed. Harvest of almonds, pistachios, walnuts continued. Almonds stockpiled as hullers could not keep up with larger crop. Artichokes light, good quality Salinas. Broccoli moderate Salinas, good quality. Santa Maria fairly light, good quality going to freezing. Carrot fairly heavy Salinas, good quality. Production from Kern-Tulare continued to increase with fall marketing season. Cauliflower moderate both Salinas, Santa Maria variable to good quality. Planting south coast continued. Celery fairly heavy, increasing Salinas-Watsonville, fairly light Santa Maria-Oceano, good quality. Planting continued south coast. Lettuce fairly heavy, continued to decrease Salinas, moderate Santa Maria variable weight, quality. Fall plantings Westside maturing rapidly. Harvest expected first week in October. Planting continued south coast. Watermelon, cantaloup, honeydew, mixed melon harvests continued. Cantaloup harvest active Westside, good quality should continue to end of October. Honeydew melon picking continued. Pepper fairly heavy Salinas, moderate Santa Maria, good quality. Harvest active central valley, south coast, good quality. Russet, burbank fall potato growers harvesting few fields. Harvest to increase considerably next few weeks. Digging early variety potatoes continued. Sweetpotato harvest continued

Merced-Atwater. Processing, fresh market tomato production continued good quality. Harvest continued active Delta, central valley. Few fields remained to be harvested for processing Westside. Fire danger high. Some fires still burning out of control. Rain southern area reduced fire danger. Supplemental feeding remained active. Stockwater supplies short.

**COLORADO:** Temperatures 1 to 4° below normal. Some shower activity southern area 27th. Precipitation normal to 0.10 in.

Days suitable for fieldwork 6.4. Soil moisture adequate. Corn, small grains good. Corn maturity behind average; harvest just underway. Wheat seeding behind average as farmers delay planting to combat russian wheat aphid, to obtain more moisture, or to await cooler soil temperatures. Livestock, pastures good.

**FLORIDA:** Cold front moved through Peninsula spreading showers, thunderstorms while Panhandle generally dry. Front stalled near southeast coast, dropping 5.00 to 6.00 in. rain late week. Moist, easterly surface flow behind front returned weekend thunderstorms to Peninsula. Front caused cooling trend; however, weekly temperatures averaged near normal.

Soil moisture generally adequate; few upper Peninsula areas short, some lower east coast localities surplus. Harvesting peanuts, hay active. Cotton harvest started. Early soybeans started to ripen. Sugarcane planting active. Pastures mostly good to excellent. Some upper, central Peninsula localities poor to fair. Cattle mostly good to excellent. Most citrus trees good. Drying conditions; caretakers irrigating. Shorter days, drying weather slowed new foliage growth. New crop fruit began moving to packing houses, awaiting shipment; grapefruit first, followed by k-early citrus fruit, hamlin oranges. Volume very small, expected to gain considerably next few weeks. Caretakers cutting cover crops, watering, fertilizing young tree resets many locations. Generally cooler daytime temperatures prevailed over vegetable producing areas. Planting winter crops active. Harvest sweet corn gained. First radishes dug Everglades, Zellwood.

**GEORGIA:** No rain across. Temperatures below normal. Extremes 38° Blairsville, 92° Blakely.

Days suitable for fieldwork 6.3. Soil moisture 20% very short, 53% short, 27% adequate. Cotton defoliation, picking progressed. Sorghum grain 9% poor, 44% fair, 41% good, 6% excellent; 56% harvested, 40% 1986. Peanuts 2% poor, 71% fair, 27% good; 55% dug, 22% 1986, 59% avg.; 37% threshed, 15% 1986, 45% avg. Peanut harvest progressed rapidly. Dry weather caused maturity problems non irrigated nuts. Soybean insects continued to cause problems. Tobacco 99% harvested, 100% 1986, 100% avg. Rye 8% planted, 11% 1986, 10% avg. Other small grains 7% planted, 1% 1986, 6% avg. Apples 5% poor, 6% fair, 86% good, 3% excellent; 77% harvested, 76% 1986, 83% avg. Pecans 2% poor, 30% fair, 67% good, 1% excellent. Spraying for insect control. Pastures, hay crops fair to good. Cattle, hogs mostly good. Other activities included harvesting corn, sorghum grain; spraying for insects, preparing seedbeds for small grains.

**HAWAII:** Frontal cloud band brought light to heavy showers early week. Cloudy skies helped keep temperatures near normal. Record high temperatures over weekend, light winds. Most crops benefited from last week's weather. Irrigation remained heavy to ensure crop progress. Water restrictions continued one major vegetable region. Some crops adversely affected by limits on water use.

Temperatures low 90s to high 60s. Variable winds 5 to 15 mph. Rainfall ranged none to 4.10 in.

Days suitable for fieldwork 7.0. Banana production steady. Papaya production heavy. Chinese, head cabbage supplies steady. Watermelon output lower, weather slowed growth.

**IDAHO:** Temperatures above normal statewide. Dry week, rainfall below normal.

Days suitable for fieldwork 7.0. Winter wheat 49% seeded, 51% 1986, 44% avg. Winter wheat 27% emerged, 17% 1986, 18% avg. Potatoes 40% harvested, 25% 1986, 28% avg. Dry beans 76% harvested, 63% 1986, 59% avg. Onions 72% harvested, 59% 1986, 64% avg. Apples 36% harvested, 36% 1986, 26% avg. Sugarbeets 8% harvested, 12% 1986, 11% avg. Third cutting alfalfa hay 76%, 55% 1986, 54% avg. Livestock good. Range, pasture dry, short, providing limited grazing.

**ILLINOIS:** Temperatures averaged 1° above to 1 to 2° below normal. Precipitation light, spotty north; little or none central, south.

Days suitable for fieldwork 6.3. Soil moisture 53% short, 43% adequate, 4% surplus. Harvesting corn, soybeans continued to progress well ahead of average. Harvest most active southern two-thirds of State. Pastures 3% very poor, 16% poor, 33% fair, 40% good, 8% excellent.

**INDIANA:** Temperatures at or slightly below normal. Lows mid-30s north, highs 90s south. Precipitation light. Totals none to 0.25 in.

Days suitable for fieldwork 6.2. Topsoil moisture 51% short, 48% adequate, 1% surplus. Subsoil moisture 48% short, 51% adequate, 1% surplus. Corn mostly good to excellent. Soybeans mostly good. Corn 20% moisture content, soybeans 13% moisture content. Soybeans 88% mature, 58% 1986, 50% avg. Tobacco 99% harvested, 94% 1986, 79% avg. Wheatland 48% plowed, 44% 1986, 48% avg. Rye 43% seeded, 20% 1986, 22% avg. Pastures 7% very poor, 24% poor, 34% fair, 35% good. Ideal week for corn, soybean harvest. Rain needed for pastures, seeded wheat.

**IOWA:** Warm, dry week. Temperatures 1 to 2° above normal east central to 6° northwest. Precipitation 1.04 Hancock, 1.48 in. Oakland. Cool early, warm weekend 37° Cresco 25th, 89° Sioux City 26th.

Days suitable for fieldwork 5.2. Topsoil moisture 2% short, 90% adequate, 8% surplus; subsoil moisture 9% short, 81% adequate, 10% surplus. Winter wheat 30% seeded, 14% 1986, 28% avg. Third crop alfalfa 96% harvested, 93% 1986, 97% avg. Livestock mostly good. Excellent weight gains in cattle. Feed lots drying out. Pastures 3% poor, 7% fair, 63% good, 27% excellent.

**KANSAS:** Days suitable for fieldwork 6.0. Soil moisture 40% short, 58% adequate, 2% surplus. Wheat seeding, fall crop harvest excellent progress under near ideal weather condition. Corn harvest excellent progress, well ahead of schedule, especially eastern counties. Most corn mature, well past susceptibility to early freeze. Sorghum harvest rapid progress eastern areas, generally ahead of schedule elsewhere. Most stands turning color but late stands still susceptible to early freeze damage. Soybean shedding leaves, rapidly reaching maturity. Harvest good progress. Wheat seeding excellent progress, good early emergence. Topsoil moisture getting short, central, western counties, some farmers dusting in or planting deeper to reach adequate moisture for germination. Pastures falling off as dry weather prevails, adequate grazing available most localities.

**KENTUCKY:** Mild with almost no rainfall. Mean daily temperatures averaged low to mid 60s. Rainfall ranged few 100ths east to none west.

Days suitable for fieldwork 5.7. Soil moisture 67% very short, 27% short, 6% adequate. Corn harvest progressed at record pace. Yields good to excellent. Soybeans maturing rapidly. Double crop beans hurt by dry conditions. Only 3% of tobacco not yet in barn. Housed tobacco fair to mostly good. Burley 3% stripped. Pastures 37% very poor, 26% poor, 30% fair, 6% good, 1% excellent. Moisture needed for fall seedings.

**LOUISIANA:** Temperature 4 to 5° below normal. Temperature extremes 49°, 90°. Rainfall averaged none to 0.12 in.

Days suitable for fieldwork 6.2. Soil moisture 31% short, 65% adequate, 4% surplus. Corn 99% harvested, 100% 1986, 96% avg. Rice 99% ripe, 100% 1986, 97% avg. Soybeans 68% turning color, 68% 1986, 65% avg. Hay final cutting 88%, 89% 1986, 83% avg. Winter wheat 1% planted, 3% 1986, 2% avg. Sweetpotatoes 76% harvested, 72% 1986, 67% avg. Sugarcane good; 87% planted, 91% 1986, 66% avg. Livestock good; pastures fair to good; vegetables fair. Main activities: Harvesting cotton, rice, sorghum, sweetpotatoes, vegetables; baling hay; planting sugarcane, fall vegetables, winter pastures.

**MARYLAND & DELAWARE:** Maryland: Average temperature 65°, normal 65°. Highs 86°, lows 42°. Precipitation averaged 0.43 in.

Days suitable for fieldwork 6.6. Topsoil moisture adequate. Subsoil moisture adequate to short, mostly adequate. Corn fair. Corn 98% dent, 97% avg. Corn 80% mature, 75% avg, 70% 1986. Corn 45% harvested, 35% avg, 30% 1986. Soybeans fair to poor, mostly fair. Soybeans 99% set pods, 99% avg. Soybeans 70% turned color, 65% avg. Soybeans 40% shed leaves, 30% avg. Tobacco fair; 85% harvested, 85% avg. Apples good; 40% harvested, 55% avg.

Delaware: Average temperature 65°, normal 66°. Highs 80°, lows 40°. Precipitation averaged 0.54 in.

Days suitable for fieldwork 6.5. Topsoil moisture short to adequate. Subsoil moisture very short to short, mostly short. Soybeans poor to fair, mostly poor. Soybeans 15% shedding leaves, 30% avg. Corn poor to fair. Corn 95% mature, 90% avg.

**MICHIGAN:** Temperatures ranged 4° below to 4° above normal. Temperature extremes 29°; 83°. Precipitation ranged 0.02 to 3.66 in. across State.

Days suitable for fieldwork 4.0. Soil moisture 60% adequate, 40% surplus. Corn 80% mature, 35% 1986, 65% avg.; 7% harvested, 1% 1986, 3% avg.; 3% very poor, 12% poor, 30% fair, 40% good, 15% excellent. Soybeans 85% shedding, 55% 1986, 80% avg.; 5% harvested, 1% 1986, 2% avg.; 2% very poor, 13% poor, 25% fair, 45% good, 15% excellent. Winter wheat 15% planted, 5% 1986, 15% avg.; 10% emerged, 3% 1986, none avg.; 5% poor, 25% fair, 60% good, 10% excellent. Dry beans 15% harvested, 5% 1986, 30% avg. Major activities: Hay, corn silage 1986, 30% avg. Major activities: Hay, corn silage, cutting, wheat planting, corn for grain, sugarbeet, soybean harvesting, potato digging. Warm dry weather brightened harvest prospects. Apple, vegetable harvest continued.

**MINNESOTA:** Temperatures averaged 3 to 6° above normal for State. Temperature extremes 26°; 89°. Precipitation averaged 0.42 to 0.72 in. below normal for State. Precipitation totals averaged normal to 0.07 in.

Warm temperatures, dry weather advanced maturity, harvesting. Corn borer problem persist west central, southwest, southeast. Farmers advised to harvest soon to reduce loss. Field corn 97%

mature, 40% 1986, 61% avg.; 10% picked, none 1986, 2% avg. Soybeans 95% mature, 27% 1986, 46% avg.; 24% combined, 3% 1986, 5% avg. Sunflowers 12% harvested, none 1986, 2% avg. Sugarbeets 15% harvested, 13% 1986, 13% avg. Potatoes 83% harvested, 56% 1986, 52% avg. Flax 95% harvested, 55% 1986, 64% avg. Dry beans 88% harvested, 43% 1986, 44% avg. Winter wheat 98% planted, 78% 1986, 83% avg. Rye 98% planted, 71% 1986, 82% avg.

**MISSISSIPPI:** Temperatures 3 to 7° below normal; extremes 44°; 92°. High pressure brought cool, dry days with low humidity during week. Greatest 24-hour rainfall 0.24 in.; greatest weekly rainfall 0.24 in.

Days suitable for fieldwork 6.4, 6.3 1986, 5.9 avg. Soil moisture 18% very short, 64% short, 18% adequate. Corn 100% dented, 100% 1986; 99% mature, 100% 1986, 98% avg.; 81% harvested, 93% 1986, 70% avg.; 1% very poor, 2% poor, 20% fair, 61% good, 16% excellent. Hay 92% harvested, 92% 1986, 91% avg. Sorghum silage 95% harvested, 100% 1986, 92% avg. Peanuts 70% harvested, 80% 1986, 62% avg. Sweetpotatoes 43% harvested, 70% 1986, 49% avg. Corn silage 98% harvested, 100% 1986, 97% avg. Wheat 9% planted, 13% 1986, 8% avg. Pecans 2% harvested. Soybeans 99% podding, 100% 1986, 100% avg.; 75% coloring, 75% 1986; 41% shedding, 68% 1986, 49% avg.; 19% mature, 44% 1986; 7% harvested, 12% 1986, 5% avg.; 3% very poor, 16% poor, 64% fair, 14% good, 3% excellent. Sorghum 100% coloring, 100% 1986; 100% avg.; 97% mature, 100% 1986, 95% avg.; 89% harvested, 96% 1986, 68% avg.; 3% poor, 42% fair, 52% good, 3% excellent. Rice 100% heading, 100% 1986, 100% avg.; 97% mature, 100% 1986, 86% avg.; 80% harvested, 95% 1986, 60% avg.; 15% very poor, 20% poor, 47% fair, 18% good. Cotton 98% open bolls, 100% 1986, 93% avg.; 45% harvested, 54% 1986, 22% avg.; 1% poor, 21% fair, 73% good, 5% excellent.

**MISSOURI:** Temperatures averaged 1° below normal north to 5° below normal south. Virtually no rain.

Days suitable for fieldwork 6.3. Topsoil moisture 27% short, 71% adequate, 2% surplus. Moisture mostly short east to central, south to central, southeast. Corn harvest varied 27% northwest to virtual completed southeast. Soybean harvest varied 6% northwest to 20% east central. Winter wheat seeding ahead of normal all areas. Pasture 1% very poor, 11% poor, 33% fair, 52% good, 3% excellent.

**MONTANA:** Temperatures 3 to 10° above normal. Record highs some areas with readings in 80s, 90s. Showers west, north central amounts 0.25 to 0.50 in. Dry elsewhere.

Days suitable for fieldwork 6.9. Topsoil moisture 42% short, 55% adequate, 3% surplus. Subsoil moisture 15% short, 82% adequate, 3% surplus. Spring wheat 97% harvested, 87% 1986, 93% avg. Barley 96% harvested, 86% 1986, 90% avg. Dry beans 74% harvested, 70% 1986, 66% avg. Potatoes 39% harvested, 29% avg. Corn silage 68% harvested, 70% 1986, 73% avg. Sugarbeets 9% harvested, none 1986, 7% avg. Cattle, calves moved from summer pastures 38%, 42% 1986, 47% avg. Sheep, lambs moved from summer pastures 38%, 53% 1986, 52% avg.

**NEBRASKA:** Temperatures averaged 3° above normal. Extremes 28°; 94°. Little or no precipitation during week; up to 1.00 in. late night of 27th, east central, east, southeast counties.

Days suitable for fieldwork 6.7. Topsoil moisture 14% short, 81% adequate, 5% surplus. Subsoil moisture 12% short, 81% adequate, 7% surplus. Hot, dry conditions advance crop maturity. Irrigated corn 97% good to excellent, dryland corn 61% good to excellent. High moisture corn harvested for livestock feed. Soybeans, sorghum moisture levels generally within adequate

range for harvest. Dry bean, sugarbeet, corn silage, hay harvest continued. Range, pasture feeds adequate. Cattle moved to stubble fields, volunteer wheat fields. Hay moved to winter pastures. Branding, vaccinations, weaning active.

**NEVADA:** Warm, mostly dry weather continued. Temperatures averaged 2 to 10° warmer than normal. Only trace amounts precipitation south midweek.

Dry weather ideal for harvesting potatoes, hay, remaining acreages alfalfa seed.

**NEW ENGLAND:** Temperatures slightly below normal ranging upper 40s near Canadian Border to near 60s along southern coast. Precipitation averaged 1.50 to 3.00 in. across State of Maine, highest amounts along coast. Amounts ranging 0.25 to 0.75 in. across remainder of New England.

Days suitable for fieldwork 5.0. Soil moisture 78% adequate, 22% surplus. Grazing availability 20% short, 73% adequate, 7% surplus. Fieldwork progress 1.5 days ahead. Maine potatoes good; 40% harvested, 30% 1986, 47% avg. Maine oats 96% harvested, 62% 1986, 78% avg.; good to excellent. Field corn 42% harvested, 34% 1986, 36% avg.; fair to good. Sweet corn 92% picked, 92% 1986, 94% avg.; fair to good south, good to excellent north. Second crop hay 95% cut, 95% 1986, 98% avg.; poor to fair south, good to excellent north. Third crop hay 65% harvested, 69% 1986, 73% avg.; fair to good south, good to excellent north. Apples 42% picked, 41% 1986, 37% avg.; fair to good, size small to large, color fair to good. Cranberry size average, color good. Major farm activities: Haying, harvesting fruits vegetables; repairing, servicing machinery; fall clean-up chores.

**NEW JERSEY:** Temperatures averaged slightly below normal. Extremes 32°; 80°. Rainfall averaged 0.21 in. north, 0.20 in. central, 0.32 in. south. Heaviest 24-hour total 0.68 in. on 22nd, 23rd. Estimated soil moisture percent field capacity averaged 94% north, 84% central, 79% south. Four inch soil temperatures averaged 63° north, 65° central, 67° south.

Soil moisture levels, temperatures continued favorable for growth, maturity of late season crops. Some hail occurred. Crop damage unknown. Fall vegetable harvest increased. Apple picking, cranberry harvest active. Irish potato digging well advanced. Sweetpotato harvest progressed. Corn silage making continued active. Grain corn combining continued light. Soybeans matured. Pasture growth continued good.

**NEW MEXICO:** Temperatures over State ranged 27° Quemado, 93° Carlsbad; showers, thundershowers many areas. Negligible precipitation extreme northwest, southeast.

Days suitable for fieldwork 6.8. Soil moisture 25% short, 62% adequate, 13% surplus. No hail damage. Cotton 29% fair, 71% good; crop still behind average. Barley 25% fair, 50% good, 25% excellent; planting continued. Irrigated, dryland wheat fair to excellent; planting continued; good moisture aiding germination. Irrigated grain sorghum 17% fair, 50% good, 33% excellent; good yields anticipated. Dryland sorghum 25% fair, 50% good, 25% excellent; good yields also anticipated. Corn 29% fair, 57% good, 14% excellent; light harvest activity continued. Some very good yields. Pecans 33% fair, 67% good. Lettuce 100% good; cool nights favorable; some light harvest activity underway. Chile harvest heavy; crop poor to good. Cattle 100% good; sheep 100% good. Range 86% good, 14% excellent.

**NEW YORK:** Wet conditions continued to delay harvest. Soil moisture surplus to excessive.

Days suitable for fieldwork 3.5. Third cut alfalfa 69%, 64% 1986, 68% avg. Corn silage 19%

harvested, 20% 1986, 17% avg. Trace of grain corn harvested. Potato harvest advanced slowly. Apple harvest full swing; hampered by rain, fruit drop, poor color. Vegetable harvest virtually complete. Average temperatures near normal. Frost several locations. Precipitation mostly below normal.

**NORTH CAROLINA:** Temperatures averaged 5° below normal, mountain region; 1° below normal across remainder of State. Temperature extremes 39°; 90°. Precipitation ranged none to 2.07 in. across State.

Days suitable for fieldwork 6.0. Soil moisture 14% short, 83% adequate, 3% surplus. Pasture 1% very poor, 6% poor, 37% fair, 56% good. Flue-cured tobacco 88% harvested, 82% 1986, 91% avg. Burley tobacco 90% harvested, 85% 1986, 82% avg. Peanuts mostly fair to good; 6% dug, 16% 1986, 23% avg.; 2% threshed, 5% 1986, 11% avg. Sorghum 38% harvested, 31% 1986, 33% avg. Sweetpotatoes 3% poor, 46% fair, 48% good, 3% excellent; 29% harvested, 23% 1986, 26% avg. Corn for silage 93% harvested, 91% 1986, 89% avg. Apples fair to mostly good; 67% harvested, 60% 1986, 62% avg. Oats 5% planted, 4% 1986, 6% avg. Barley 6% planted, 5% 1986, 5% avg. Rye 5% planted, 8% 1986, 8% avg. Major farm activities: Harvesting tobacco, corn for grain and silage, cotton, sweetpotatoes, hay, apples, sorghum, vegetables; preparing pastures; seeding small grains; curing, marketing tobacco; conservation work; tending livestock; shearing Christmas trees; general farm maintenance.

**NORTH DAKOTA:** Temperatures averaged 2 to 4° above normal. Extremes 27° northeast, 89° northwest. Precipitation light, spotty.

Days suitable for fieldwork 6.7. Topsoil moisture near normal; 4% very short, 40% short, 56% adequate. Subsoil moisture above normal; 2% very short, 32% short, 66% adequate. Late season crop development generally ahead of normal pace. Sunflower 62% bracts brown and beyond, 42% 1986, 55% avg.; soybeans 37% combined, 4% 1986, 18% avg.; corn grain 3% harvested, none 1986, 6% avg.; corn for silage 67% cut, 51% 1986, 70% avg.; potatoes 90% dug, 66% 1986, 60% avg.; flax 81% combined, 31% 1986, 65% avg.; dry beans 77% combined, 34% 1986, 51% avg.; sugarbeets 15% lifted, 11% 1986, 12% avg. Fall planting nearly complete. Winter wheat 98% planted, 72% 1986, 89% avg.; rye 98% planted, 77% 1986, 91% avg. Pastures mostly fair.

**OHIO:** Average temperatures 2 to 3° subnormal. Extremes ranged 30s to 80s. Precipitation widespread, light ranging 0.10 to 0.25 in.

Days suitable for fieldwork 5.5. Soil moisture 41% short, 52% adequate, 7% surplus. Corn, soybean harvests far ahead of normal. Crops drying down rapidly except northeast. Wheat seeding activity increased; Hessian fly free date past northern area. Grasslands fair to good statewide; poor to fair south.

**OKLAHOMA:** Temperatures averaged 1° below normal Panhandle, northeast to 5° below normal southeast. Precipitation averaged 0.08 in. southeast to 1.18 in. north central.

Days suitable for fieldwork 4.5. Topsoil moisture 2% short, 78% adequate, 20% surplus. Subsoil moisture 2% short, 98% adequate. Wheat 5% fair, 90% good, 5% excellent; 45% planted, 50% 1986, 25% avg.; 20% emerged, 20% 1986, 5% avg. Farmers reseeding washed out fields from recent heavy rains. Sorghum 1% poor, 7% fair, 90% good, 2% excellent; 95% coloring, 99% 1986, 97% avg.; 40% mature, 50% 1986, 55% avg.; 5% harvested, 5% 1986, 15% avg. Heavy hail damage Panhandle. Cotton 35% fair, 65% good; 20% open bolls, 25% 1986, 40% avg.; none harvested, none 1986, 1% avg. Development slow, need warm, sunny weather for maturity. Pastures, cattle good. Marketings, prices stable. Insect activity decreased.

**OREGON:** Week began with temperatures well above normal. State high Medford 102°. By weekend temperatures below normal over most of State. Light, spotty rainfall late week. Coastal areas up to 0.20 in. Lesser amounts inland.

Soil moisture 93% short, 7% adequate. Many cereal grain growers awaiting moisture before seeding, field preparation continued. Barley 9% seeded. Grass seed planting continued, Red clover harvest continued, Crimson clover seeded Willamette Valley. Silage corn harvested Medford, Hermiston areas. Spring grain harvest neared completion, Klamath Basin, southeastern high desert, Blue Mountains. Hay harvesting continued many eastern locales. Pear harvest complete, some apples picked Medford. Poor red delicious apple coloring increased processing quantities Hood River. Anjou pear harvest neared completion, other winter varieties harvested; yields, quality, size good to excellent Hood River. Winter pears, mid to late season apple varieties picked Willamette Valley. All berry picking completed; spraying, training underway west. Cranberry harvest began about Sept. 20th, good condition south coast. Filbert, walnut drop began Willamette Valley. Fresh vegetables continued good supply, much irrigation needed west. Sweet corn for processing harvest continued Willamette Valley, Medford. Onion harvest continued Malheur County, Medford area. Potato digging continued west, Klamath Basin. Vegetable seed harvest neared completion central area. Livestock mostly good. Some ranchers gathered animals off rangeland, shipment of yearling cattle continued east. Range, pasture poor to fair except southeast good. New pasture seedings waiting for rain or being irrigated up west. Little autumn green up on most eastern grassland.

**PENNSYLVANIA:** Cooler, drier than normal. Average temperature 57°, 3° below normal. Temperature extremes 25°, 77°. Average precipitation 0.26 in., 0.55 in. below normal.

Days suitable for fieldwork 3.0. Soil moisture 45% adequate, 55% surplus. Corn 90% dent, 96% 1986, 87% avg.; 50% mature, 44% 1986, 33% avg.; 6% harvested, 8% 1986, 3% avg. Corn 3% very poor, 8% poor, 24% fair, 41% good, 24% excellent. Ensilage corn 60% harvested, 58% 1986, 48% avg. Soybean 1% very poor, 5% poor, 24% fair, 42% good, 28% excellent. Potatoes 64% harvested, 82% 1986. Tobacco 99% harvested, 100% 1986. Third cutting alfalfa 73%, 93% 1986. Fourth cutting alfalfa 37%, 41% 1986. Second cutting clover-timothy 94%, 100% 1986. Quality of hay poor to fair. Apples 48% harvested, 56% 1986. Peaches 98% harvested, 100% 1986. Fall plowing 56%, 70% 1986. Winter wheat 30% planted, 39% 1986. Barley 45% planted, 55% 1986. Activities: Harvesting hay, haylage, corn for grain and silage, early soybeans, fruit, potatoes, other vegetables, tobacco; seeding wheat, barley; hauling manure; installing conservation practices; machinery maintenance, caring for livestock.

**PUERTO RICO:** Island average rainfall 1.10 in., 0.75 in. below normal. Highest weekly total rainfall 2.52 in. San Lorenzo farm, to 2.46 in. Corral Viejo, 2.30 in. Puerto Real. Highest 24-hour total 2.20 in. Puerto Real. San Juan mean temperature 85°, 3° above normal. Total rainfall 0.29 in., 1.11 in. below normal. Divisional temperature averaged about 81 to 84° on coasts, 76 to 79° interior with mean station temperature ranging 73° Adjuntas to 86° San Juan City. Lowest minimum temperature 53° Adjuntas, highest maximum temperature 96° San Juan City.

**SOUTH CAROLINA:** Temperatures slightly below normal. No measurable rainfall except few widely scattered showers.

Days suitable for fieldwork 6.1. Soil moisture 3% very short, 30% short, 67% adequate. Cotton 89% open bolls, 90% 1986, 87% avg.; 13% harvested, 11% 1986, 11% avg.; 1% very poor, 24% poor, 75% fair. Soybeans 26% leaves turning, 34% 1986, 32% avg.; 9% leaves shedding, 14% 1986, 12% avg.; 2% mature, 2% 1986, 4% avg.; 1% poor, 46% fair, 48% good, 5% excellent. Corn 77% harvested, 86% 1986, 85% avg. Peanuts fair; 15% harvested, 8% 1986, 22% avg. Pastures fair to good. Livestock good.

**SOUTH DAKOTA:** Average temperatures 1° below to 7° above normal. Extremes 28°, 98°. Black Hills low 20°.

Days suitable for fieldwork 5.7. Topsoil moisture short for much of State; 10% critically short, 42% short, 45% adequate, 3% surplus.

**TENNESSEE:** Cool dry week. No significant rainfall. Temperatures 3 to 9° below normal. Extremes 43°, 87°.

Days suitable for fieldwork 5.8. Soil moisture 12% very short, 60% short, 28% adequate. Corn 97% mature, 90% 1986, 87% avg. Corn grain 55% harvested, 45% 1986, 30% avg. Burley 96% harvested, 85% 1986, 90% avg. Dark fired 94% harvested, 80% 1986, 85% avg. Dark air-cured 96% harvested, 75% 1986, 85% avg. Winter wheat 13% seeded, 11% 1986, 11% avg. Cattle, pastures mostly fair.

**TEXAS:** Early week cool front triggered thunderstorms Panhandle, upper air disturbance brought showers south, Lower Valley. Temperatures started mild across State, warmed gradually. Middle, late week dry weather, warm days, mild nights most sections. Below normal precipitation most State, except Lower Valley. Temperatures below normal because cold front early week.

**Crops:** Corn harvest resumed High Plains following last week's rains. Excellent yields irrigated crop. Harvest wind down Blacklands. Grain sorghum harvest limited progress. Dryland, irrigated sorghum Plains looking good, reaching maturity. Cotton development aided by warm, open weather conditions Plains. Additional favorable conditions needed for crop to reach full maturity. Limited harvest progress. Stalk destruction underway southern areas where harvest completed. Small grain seeding active under favorable conditions. Emerged fields making excellent progress. Forage growth began to provide good cover, some stockers placed on wheat pastures. Southern areas missed by rain, seeding delayed, producers waiting for better moisture conditions. Soybeans maturing Plains. Some drying needed before harvest begins. Some harvest Upper Coast. Peanuts looking good after last week's rain, some disease present. Harvest early varieties started Cross-Timbers. Some harvest south. Other field crops: Peanuts 11% harvested, 19% 1986, 14% avg. Pecans 1% harvested, 5% 1986, 1% avg. Soybeans 23% harvested, 31% 1986, 13% avg. Sugarbeets none harvested, 3% 1986, 2% avg. Sunflowers 9% harvested, 9% 1986, 18% avg. Oats 26% planted, 36% 1986, 24% avg.

**Commercial Vegetables:** Rio Grande Valley planting fall vegetables continued. Some supplies cucumbers available. Tomatoes, carrots, cabbage, peppers good progress. Harvest early oranges increased. Citrus fruit increased in size. San Antonio-Winter Garden some cabbage neared maturity. Young carrots making good growth. East sweetpotato harvest active. High Plains, supplies peppers, cucumbers, watermelons, carrots available. Wet fields early week limited fieldwork. Trans-Pecos, bell peppers mature approximately 2 weeks, crop looking good. Pecan harvest expand scattered areas south. Other areas nuts splitting shucks or dough stage.

Range and Pasture: Ranges, pastures provide excellent forage having benefited from recent moisture, cooler temperatures. Calves marketed with better than normal weights. Stockers placed wheat pastures High Plains. Cattle markets very strong.

UTAH: Precipitation extremely light. Temperature maximums 5 to 7° above normal. Minimums 2° below to 3° above normal.

Days suitable fieldwork 6.6. Soil moisture 50% short, 42% adequate, 8% surplus. Winter wheat 82% seeded, 80% 1986, 66% avg. Alfalfa 3rd cutting 81% cut, 59% 1986, 65% avg. Fourth cutting underway. Corn 88% dented, 88% 1986, 76% avg.; 52% mature, 72% 1986, 57% avg. Corn silage 69% harvested, 48% 1986, 33% avg. Onions 59% harvested, 42% 1986, 30% avg. Potatoes 47% harvested, 28% 1986, 23% avg. Apple harvest continued. Winter range condition varied widely. Cattle, sheep began to move from summer range north. Livestock good to excellent.

VIRGINIA: Temperatures normal, precipitation above normal. Temperatures range 36 to 90°. Precipitation range 0.33 to 2.12 in.

Days suitable for fieldwork 4.7. Topsoil moisture 12% short, 76% adequate, 12% surplus. Grain corn 61% harvested, 43% 1986, 44% avg. Silage 90% harvested, 66% 1986, 83% avg. Soybeans poor. Late planted soybeans helped some by rain. Peanuts good. No significant peanuts harvested yet. Flue-cured tobacco 61% harvested, 65% 1986, 84% avg. Burley tobacco 88% harvested, 77% 1986, 89% avg. Fire-cured tobacco 75% harvested, 66% 1986, 92% avg. Pastures improved fair to good. Reseeding pastures, hay land. Harvested hay. Wheat 7% seeded, 8% 1986, 7% avg. Barley 14% seeded, 17% 1986, 20% avg. Oats 9% seeded, 17% 1986, 16% avg.

WASHINGTON: Early week dry, hot temperatures prevailed, later rain, cooler temperatures dominated. Precipitation light west; negligible elsewhere. Southeastern area especially dry. Temperature extremes 37° Goldendale, 93° Ritzville.

Days suitable for fieldwork 6.8. Soil moisture 70% short, 30% adequate. Winter wheat 58% planted, 61% 1986, 58% avg. Winter wheat 36% emerged, 46% 1986, 43% avg. Potatoes 40% harvested, movement of potatoes to storage underway. Seed potato harvest continued Whatcom County. Alfalfa seed harvest completed Walla Walla County. Dry bean, 4th cutting alfalfa nearly completed quality excellent. Warm weather continued to delay coloring of red apples. Some red apples being picked, but many growers continued to wait. Western area daytime temperatures cooler, apple growers harvesting

midseason varieties. Fields being fumigated for plantings of raspberries, strawberries Whatcom County. Caning raspberries, harvest of grapes also in progress same area. Range, pasture conditions continued to decline; 70% short, 30% adequate. Fire danger high Stevens County. Stockmen continued bringing in livestock from range areas. Dairymen continued to harvest field corn for silage. Statewide feed supplies 70% adequate, 30% surplus. Fresh, processing carrot harvest continued Franklin County. Lima bean harvest that area nearly completed. West of Cascades broccoli, cabbage, lettuce, potatoes, pumpkins being picked.

WEST VIRGINIA: Average temperature 60°. Extremes 28° Greenbank; 87° Creston. Precipitation averaged 0.13 in.

Days suitable for fieldwork 4.5. Soil moisture 5% very short, 31% short, 64% adequate. Farm activities: Farm maintenance, harvesting corn, hay, tobacco; livestock care. Corn, hay fair to poor. Apples good to fair. Tobacco poor to fair. Fall seedings: Wheat 37%, barley 46%.

WISCONSIN: Temperatures averaged 59°, 2° above normal. Extremes 25°; 88°. Rainfall trace to 0.40 in. Heavy frost north on 25th. Soils dried nicely.

Days suitable for fieldwork 5.9. Soil moisture 11% short, 75% adequate, 14% surplus. Crops 1% poor, 11% fair, 77% good, 11% excellent. Corn 75% mature, 48% 1986, 62% avg. Corn for grain 6% harvested, 1% 1986, 1% avg. Mostly high moisture corn harvest, little in cribs. Corn silo filling 69%, 16% 1986, 22% avg. Soybeans 92% leaves turned, 80% 1986. Soybeans 56% leaves shed, 39% 1986, 45% avg. Harvest expected to start soon. Third crop hay 75% cut, 56% 1986, 67% avg. Fall plowing 15%, 7% 1986, 8% avg. Cranberry harvest started north.

WYOMING: Temperatures above normal. No measurable precipitation.

Days suitable for fieldwork 7.0. Topsoil moisture 75% short, 25% adequate. Subsoil moisture 45% short, 55% adequate. Barley most harvested, 95% 1986, 95% avg. Spring wheat most harvested, 95% 1986, 95% avg. Oats most harvested, 95% 1986, 95% avg. Corn silage 75% harvested, 75% 1986, 80% avg. Corn 10% dough, 5% 1986; 30% dented, 60% 1986, 45% avg.; 55% mature, 30% 1986; 40% avg.; 5% harvested, 10% avg. Potatoes 50% harvested, 60% 1986, 65% avg. Dry beans 75% windrowed, 45% 1986, 65% avg.; 55% combined, 70% 1986, 70% avg. Sugarbeets 15% dug, 25% 1986, 10% avg.; average 16% sugar content. Winter wheat 85% planted, 90% 1986, 90% avg.; 50% emerged, 60% 1986, 65% avg.; fair to good. Livestock moved to winter ranges; cattle, calves 35%; sheep, lambs 40%.

# Global Weather Satellite Image

September 26, 1987



International Weather and Crop Summary

September 20-26, 1987

HIGHLIGHTS:

**UNITED STATES** ... Weather conditions are favorable for row crop harvest across the eastern half of the Nation. Dry conditions impede winter wheat seeding in a few areas.

**U.S.S.R.** ... In Western U.S.S.R., winter wheat planting progresses southward with only minor delays. In the New Lands, rain, snow, and gusty winds cause significant harvest delays.

**EUROPE** ... Heavy rains disrupt late harvest and fall planting activities in the west, north, and central crop areas. Warm, dry weather favors corn harvest in the south.

**SOUTH ASIA** ... Showers help reproductive to filling crops in southern India and continue to improve conditions in parts of the north for filling rice and wheat planting.

**SOUTHEAST ASIA** ... Moderate to heavy rain continues in Thailand's rainfed rice areas. Scattered showers cover the Philippines.

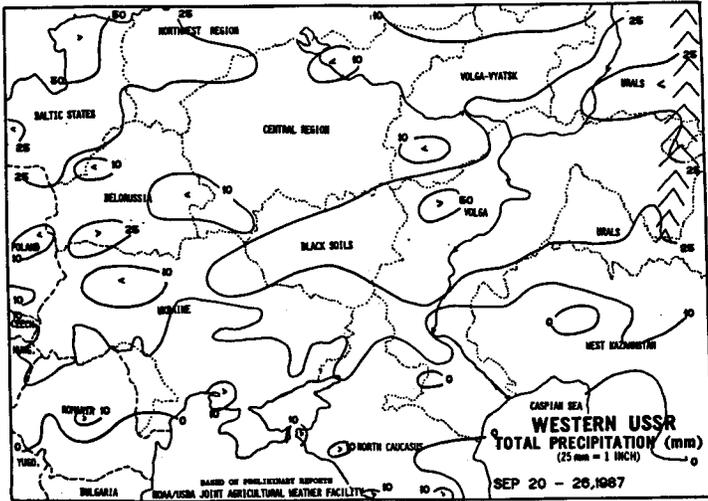
**EASTERN ASIA** ... Dry weather benefits fieldwork in the North China Plain. Late-week showers in the Manchurian Valley delay harvest. Rain in southern China benefits filling rice.

**CANADA** ... Favorable harvest weather prevails over the Prairie grain belt.

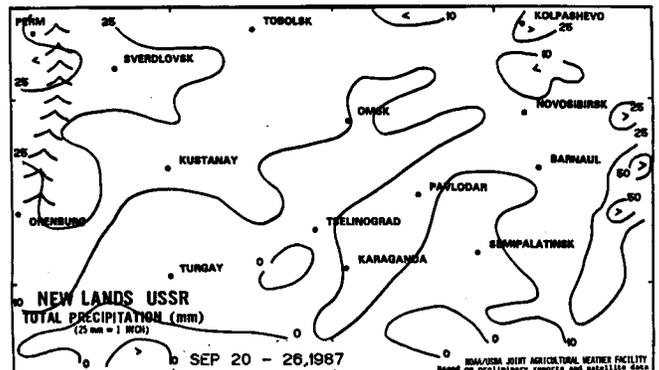
**SOUTH AMERICA** ... Dryness favors fieldwork in Argentina and in extreme southern Brazil. Showers benefit Brazil's coffee and northern soybean areas.

**AUSTRALIA** ... Showers bring some relief to previously dry wheat in Western Australia. Mostly warm, dry weather benefits winter grains in the east and south.

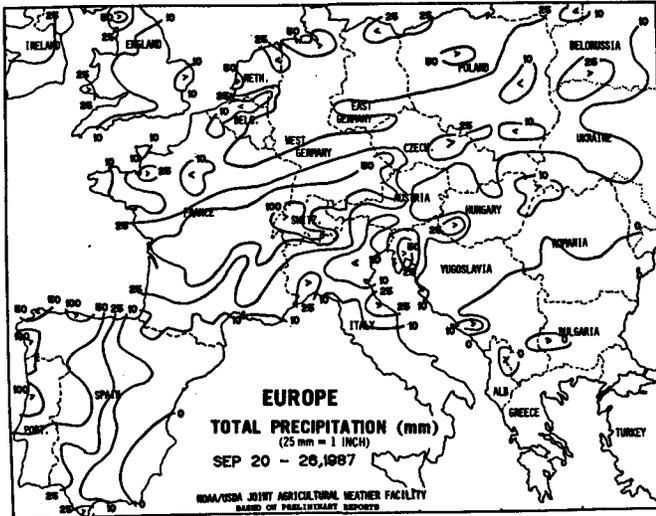
**MEXICO** ... Widespread rain benefits immature crops but delays harvesting.



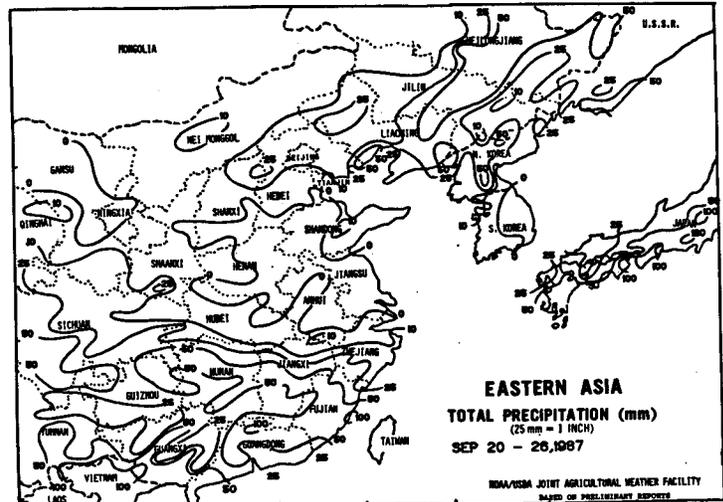
**U.S.S.R.**... In Western U.S.S.R., intermittent showers over the Ukraine and North Caucasus caused only minor delays in summer crop harvesting and winter wheat planting. Additional precipitation is needed in the southern Ukraine and central North Caucasus for uniform winter wheat emergence and early plant establishment. Moderate rain (25-50mm) fell over the Black Soils Region and the upper Volga, providing abundant moisture for winter grains. Variable amounts of rain (10-30mm) covered the Baltic States, Belorussia, and the western Ukraine, providing adequate topsoil moisture for winter grain emergence. However, some planting delays may have occurred. Early-week cold weather over the region was followed by rapid warming. Scattered frost likely occurred over extreme western areas on September 22, when minimum temperatures dropped to around 0 degrees C.



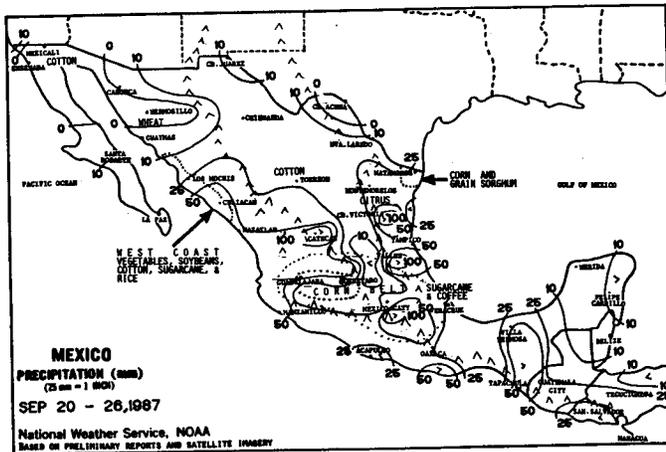
In the New Lands, frequent showers over the Urals, northern Kazakhstan, and Western Siberia continued to cause significant harvest delays. Rain and snow covered the Urals where precipitation amounts ranged from 18-30mm. In addition, gusty winds ushered in unseasonably cold air, further aggravating the unfavorable harvest conditions. Weekly temperatures were below normal over most areas.



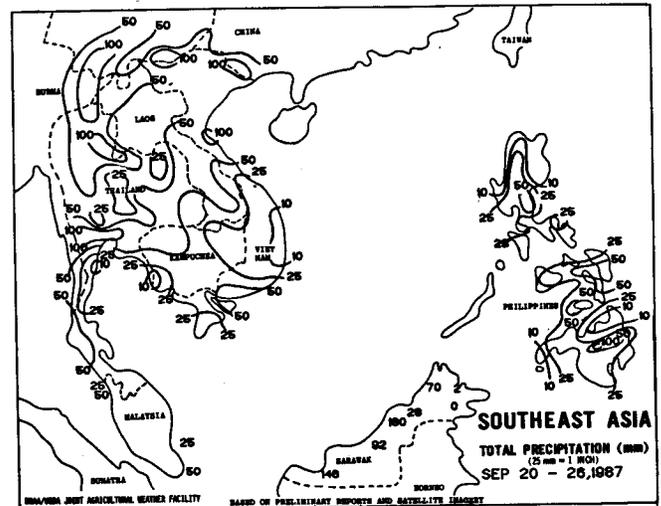
**EUROPE** ... A combination of strong westerly flow aloft and residual tropical moisture brought heavy rain (up to 154mm) to large areas of western, central, and northern Europe, disrupting late harvest and fall planting activities. Drier weather developed late in the period over northern areas, encouraging a resumption of the fall harvest and planting of next year's crops, which are nearly a month behind schedule. Problems with the late harvest were further compounded by frost and freezing temperatures in eastern Poland early in the period. In sharp contrast, warm and dry weather persisted over most of south-central and southeastern Europe, continuing the trend started earlier this summer. The dry conditions favored corn harvesting and winter grain planting, although moisture for emerging crops may be limited in some areas of the Balkans.



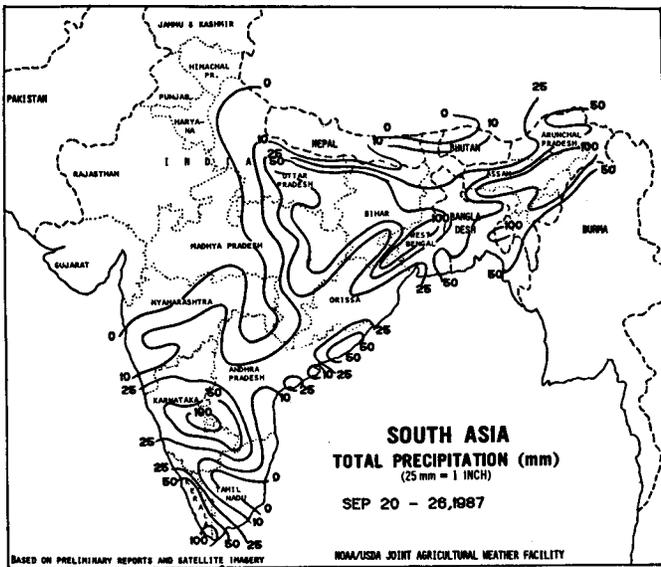
**EASTERN ASIA** ... Beneficial dryness continued over North China Plain crop areas in Shandong, Henan, southern Hebei, Shanxi, Anhui, and Jiangsu, helping fieldwork for corn, soybean, and cotton harvesting and winter wheat planting. Widespread showers (25-70mm) covered southern China rice areas in Guizhou, Hunan, Jiangxi, Fujian, Guangdong, and Guangxi, benefiting late double cropped rice in the filling stage. In the Manchurian Valley, early-week fair weather was followed by rain and colder weather. Precipitation amounts ranged from 40-80mm, causing harvest delays. The rain over Heilongjiang turned to wet snow by week's end. In Korea, dry weather over South Korea favored crop harvest. In Hokkaido, Japan, generally dry weather early in the week was followed by showers (10-30mm) at week's end.



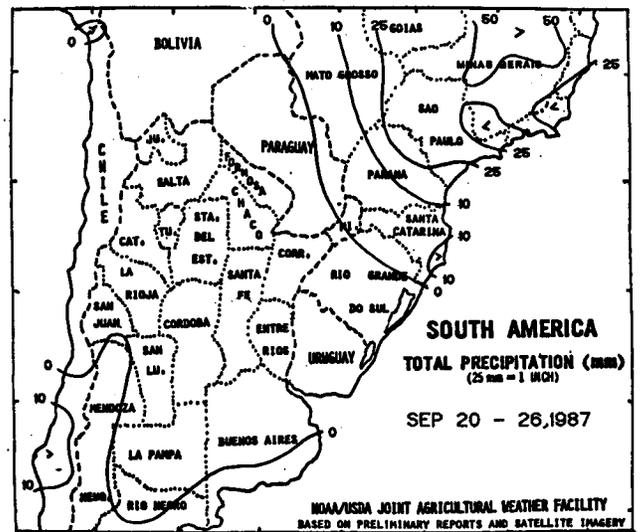
**MEXICO** ... Widespread rain covered much of the country. Locally heavy showers (50-188mm) halted fieldwork in the northeast from Ciudad Valles to Montemorelos. Showers covered much of north-central and west coast farming areas, benefiting immature crops but slowing cotton and corn harvesting. Substantial rain also fell over the Southern Plateau corn belt, providing additional moisture for immature corn. Locally heavy showers (50-150mm) scattered throughout the major corn growing region caused delays. Variable showers fell over southern Mexico, but rainfall diminished over the Yucatan peninsula where weekly totals averaged less than 10mm.



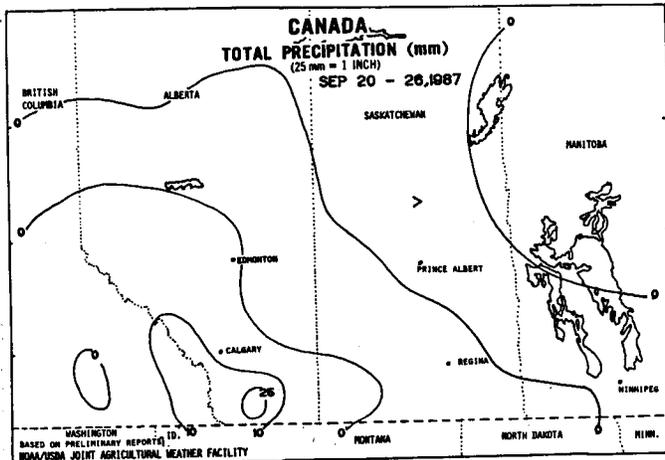
**SOUTHEAST ASIA** ... Heavy showers (50-100mm or more) continued over most Thai grain regions and reached into Laos and northern Vietnam. Moisture levels favored vegetative to reproductive rice, planted late due to hot, dry weather in June and July. Since early August, frequent, heavy showers provided adequate moisture but caused some local flooding and crop damage. Light to moderate rain (10-50mm) fell in most areas of Kampuchea and southern Vietnam. An increase in tropical activity brought moderate to heavy showers (50-100mm) to the western Malay Peninsula, eastern Malaysia, and Sumatra, but Java remained dry. Rainfall increased in the southern Philippines, but dry pockets continued in grain regions of northern Luzon.



**SOUTH ASIA** ... Variable showers (10-133mm) continued for the second straight week over southern India from southwestern Maharashtra to western Tamil Nadu, benefiting reproductive to filling summer crops. Periodic, stressful growing conditions have affected most areas of southern India this season, as the monsoon circulation, normally beginning its withdrawal from southern Maharashtra by early October, has been continuously weak. Hot, dry weather continued in the northwest, but moderate to heavy showers (25-128mm) lingered over north-central India from eastern Uttar Pradesh and eastern Madhya Pradesh to West Bengal, improving conditions for filling rice and the upcoming planting of winter wheat. Mostly dry weather along the southeast coast favored rice harvesting. Heavy rain (50-100mm or more), however, returned to Bangladesh and continued in the eastern states, maintaining the unfavorable wet weather pattern since June.



**SOUTH AMERICA** ... Mostly dry weather covered Argentina's crop areas, except for a few light showers in extreme southern Buenos Aires. Dryness favored fieldwork in preparation for corn, sorghum, sunflower and soybean planting which will begin soon in the major growing areas. Some summer crop planting is already underway in the northern crop areas, including Formosa, Chaco, and northern Santa Fe. Moisture is adequate for vegetative wheat. However, crop moisture usage has begun to increase more rapidly as the crop nears reproduction. In Brazil, dry weather in Rio Grande do Sul favored grain filling wheat. Shower activity increased further north. Light rain (1-5mm) fell in southern Parana while heavier showers (10-46mm) delayed fieldwork in northern Parana and Sao Paulo. Widespread rain covered coffee areas of Minas Gerais. The moisture was beneficial for summer crop planting.



**CANADA** ... Favorable harvest weather prevailed over most of the Canadian Prairies grain belt. Light showers (1-8mm) caused minor delays in Manitoba. Sunny skies dominated over most all of Saskatchewan's crop areas and the northern half of Alberta's grain area. Light showers (3-7mm) fell in southern Alberta, with locally heavier rain (10-26) in extreme southwestern Alberta. The dry weather across northern Prairie grain areas allowed rapid harvesting. The grain harvest is mostly complete in the south. Saskatchewan, the leading grain-producing province, harvested about 95 percent of its crops. This is reportedly the second earliest harvest in the last 5 years, slightly behind 1984's pace. The harvest pace compares with 60 percent completion last year and a 70-percent 5-year average. The harvests were nearing completion in Manitoba and Alberta as well.

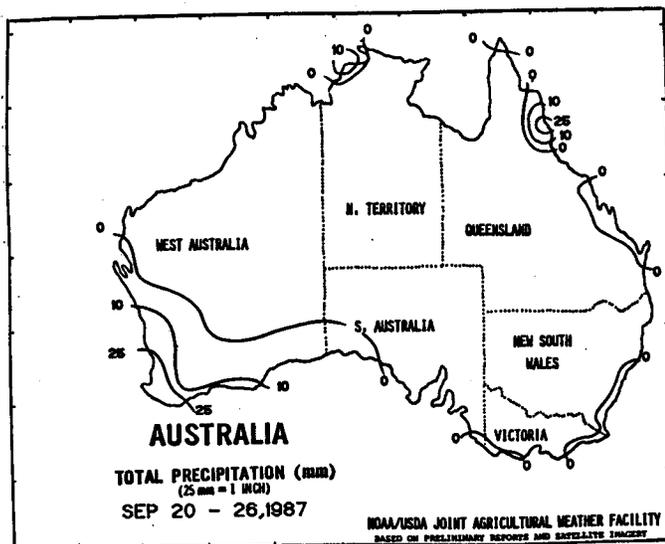
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**AUSTRALIA** ... A strong frontal system spread moderate to heavy showers (up to 66mm) over coastal areas of Western Australia, with lighter amounts inland. The rain brought some relief to vegetative and reproductive wheat and barley crops, which have been under increasing stress due to below-normal rainfall for much of the growing season thus far. Elsewhere, a few light showers (less than 10mm) fell over coastal areas of South Australia, Victoria, New South Wales, and Queensland, while most interior production areas remained warm and dry. Most of the southern and eastern grain production areas have received sufficient rainfall for crops thus far, except in southeastern Queensland, where precipitation has been well below normal. Winter wheat is now normally in the heading stage in northern crop areas and entering the heading stage in the south.

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