

# WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE  
Statistical Reporting Service  
and World Agricultural Outlook Board

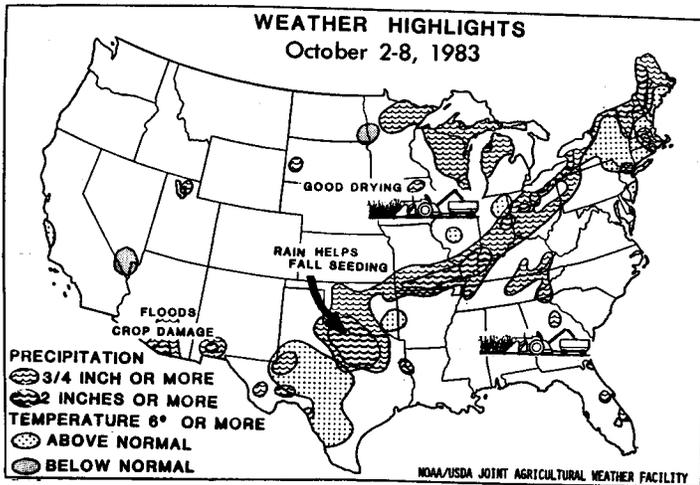
Volume 70, No. 41

WASHINGTON, D.C.

Oct. 12, 1983

## National Weather Summary

October 2 to 8



**TUESDAY...** Showers were light and widely scattered in Arizona but some heavy showers fell in southern California. Light showers fell from eastern Nebraska to Arkansas, but were heavier northeastward into central Pennsylvania. Thunderstorms were also scattered from eastern Texas to Georgia and the Tennessee Valley. Cool weather spread through the Rockies, the Plains, and the Lakes area, but it was warming through the East.

**WEDNESDAY...** Showers or rain fell throughout the upper Ohio Valley, the upper Great Lakes, and all of the East Coast States except Florida. Some heavy amounts fell in the St. Lawrence Valley. More showers fell in Arizona and New Mexico but this time they were confined to the northern part of the States. Cooler weather was spreading eastward but warm weather hung over most of the east coast. Warmer temperatures pushed northward into the southern Plains.

**THURSDAY...** Moderate to heavy thunderstorms were scattered from north-central Texas through central Oklahoma. Hail and high wind were damaging to some activities but the rain helped winter grains. Light rain fell from the upper Mississippi Valley to New England and a few light showers fell in southern California. Cooler air spread over all of the northern States; only the southern tier of States exceeded 80° in the late afternoon.

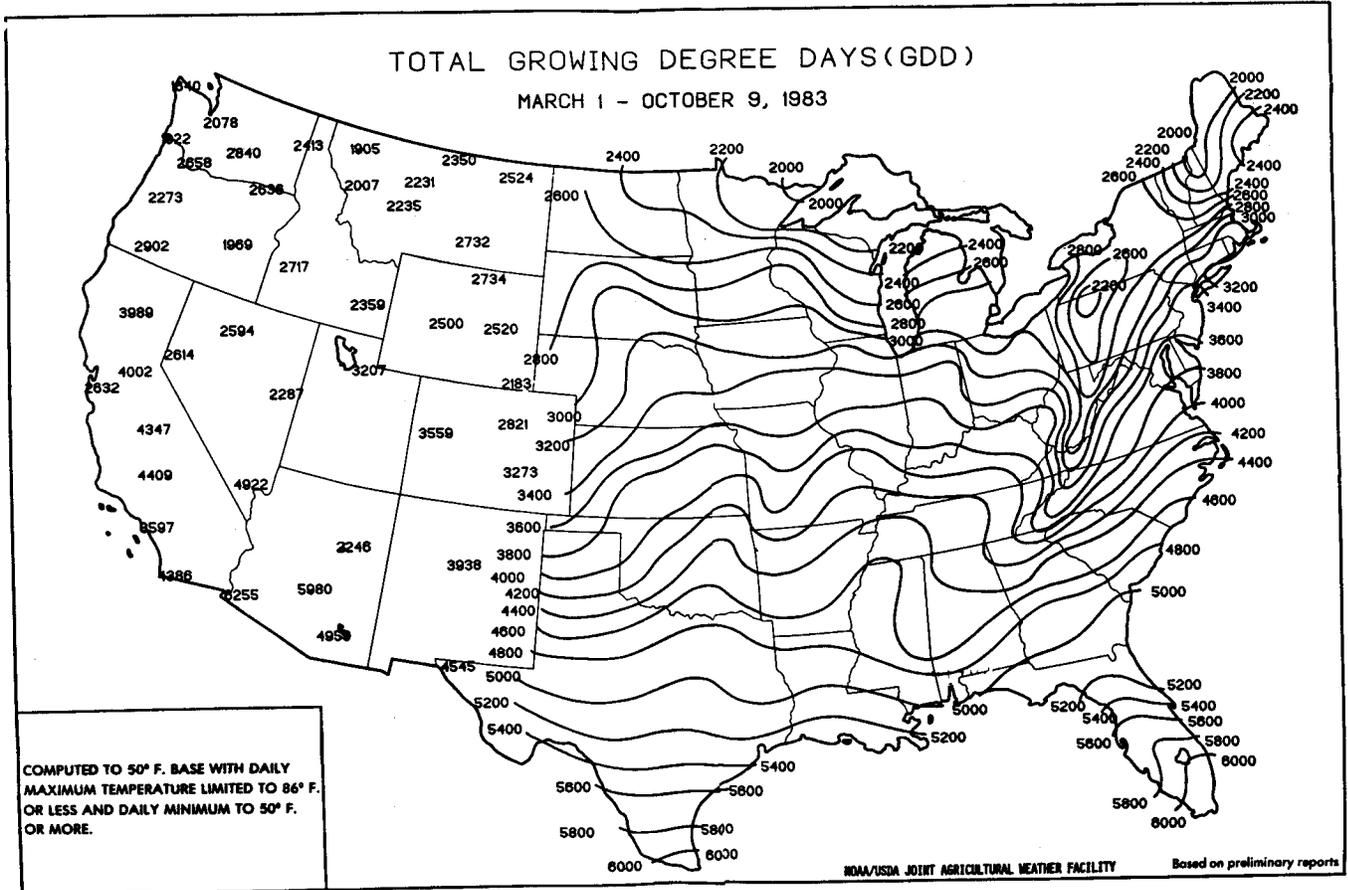
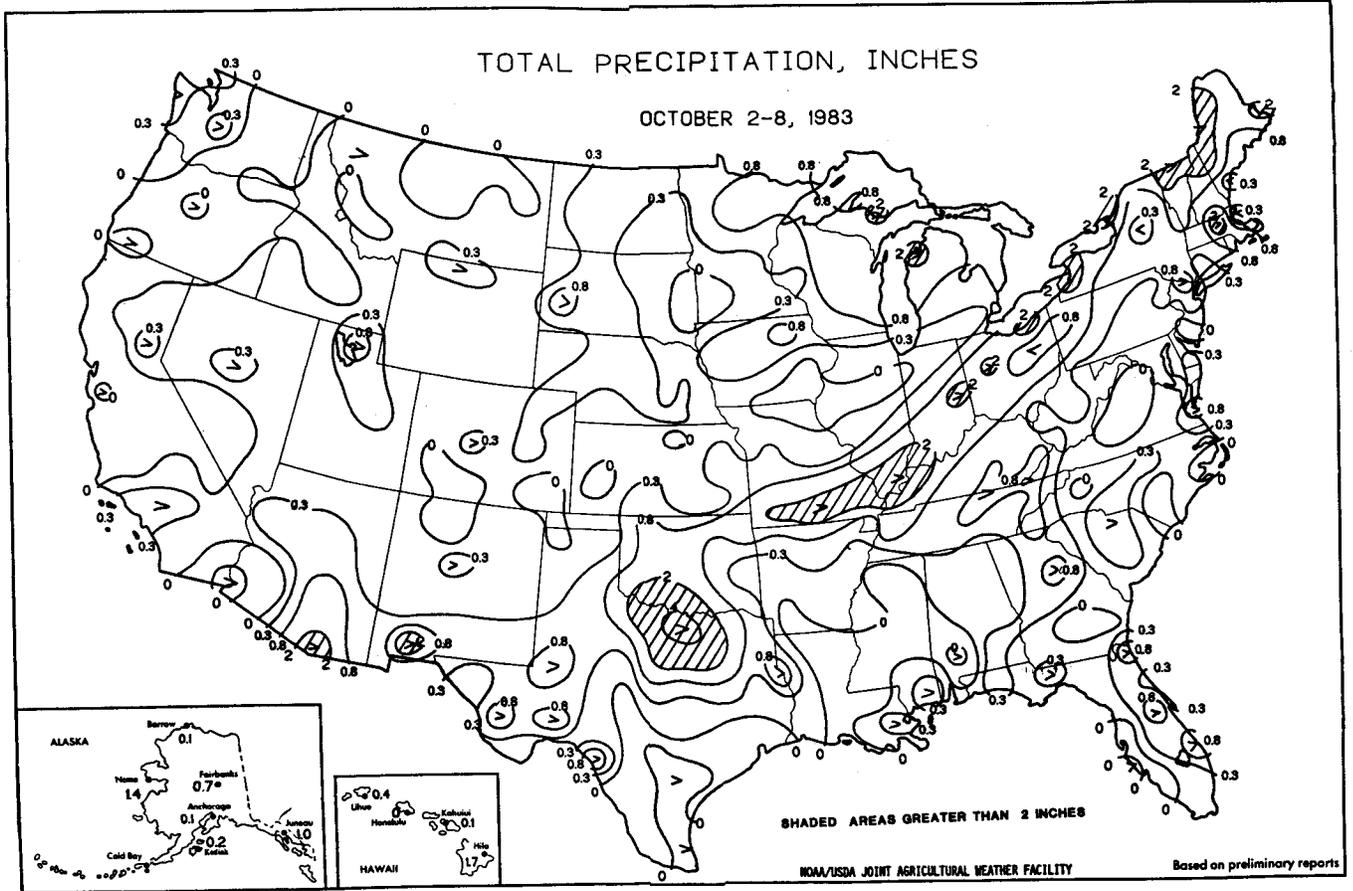
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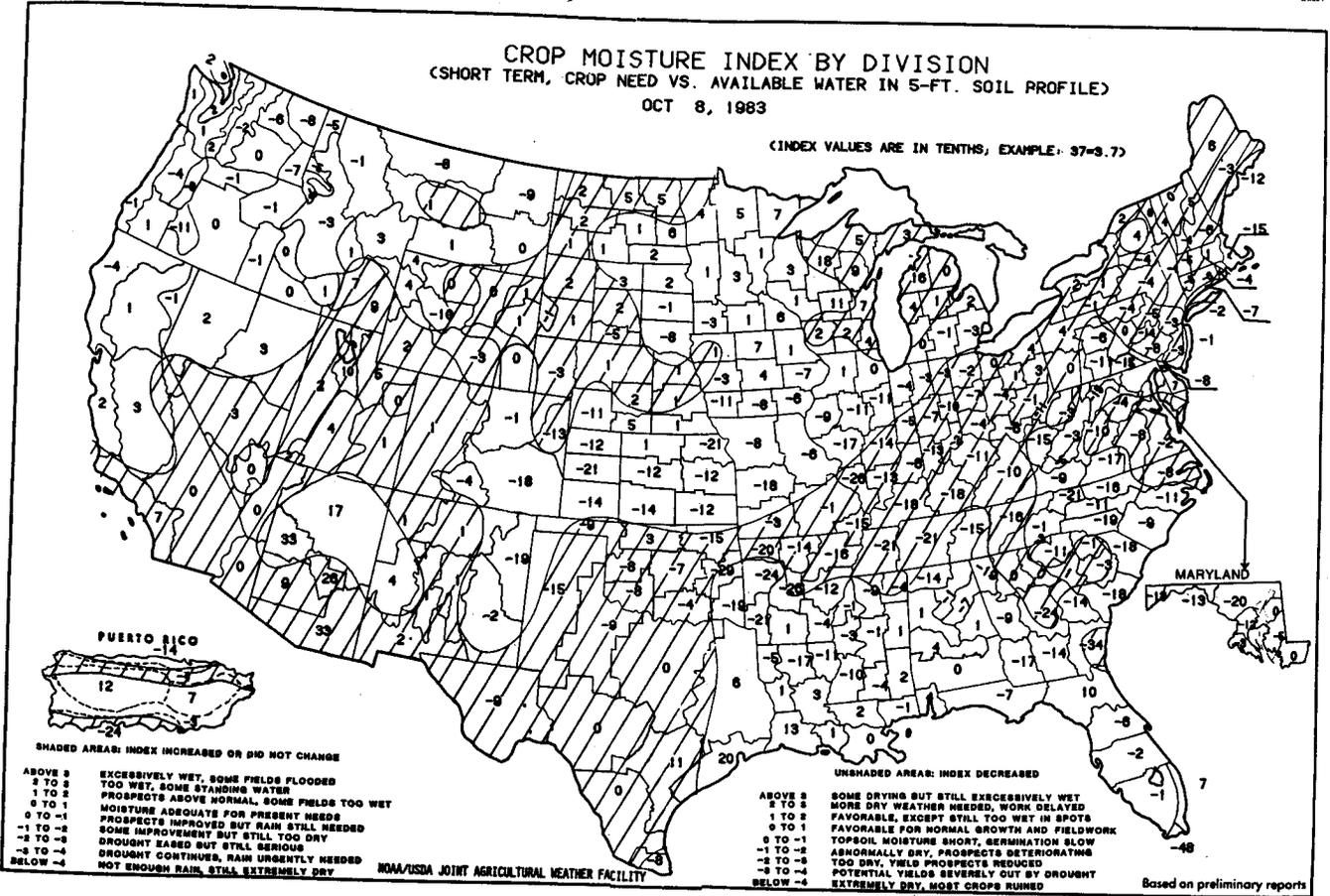
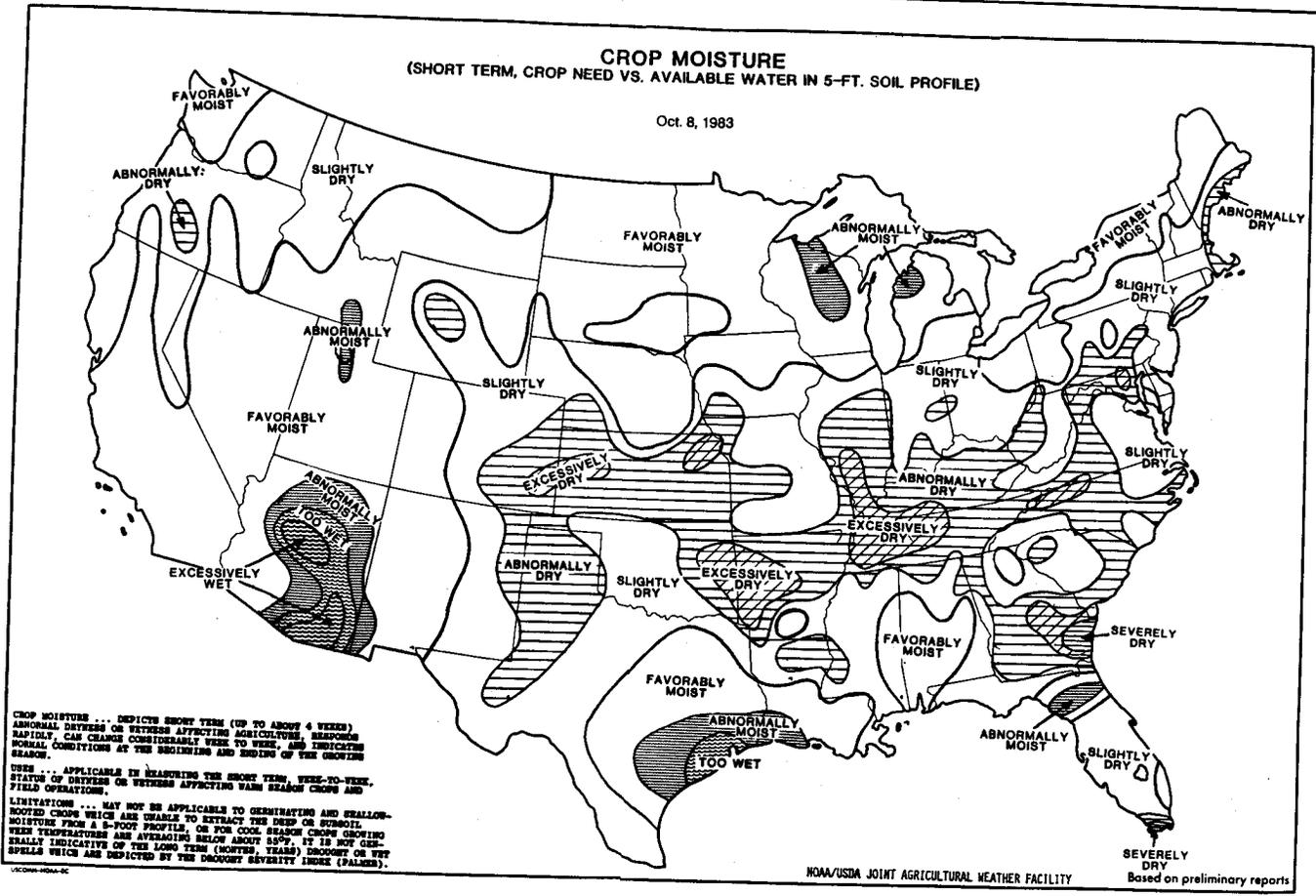
**HIGHLIGHTS:** Showers and thunderstorms continued in southern Arizona and New Mexico early in the week exacerbating flood conditions there. As the moisture moved eastward, moderate showers fell in southwest Texas and then heavy showers and thunderstorms occurred from central Texas through central Oklahoma. Moderate rain or showers extended northeastward to western New York and into Canada. Dry weather prevailed over most of the Corn Belt during much of the week. Average temperatures for the week were much warmer than normal from southwestern Texas to New England. Average temperatures were 6° to 8° warmer than normal in New England and Texas. Cooler than normal temperatures prevailed over the northern Plains and in the Southwest.

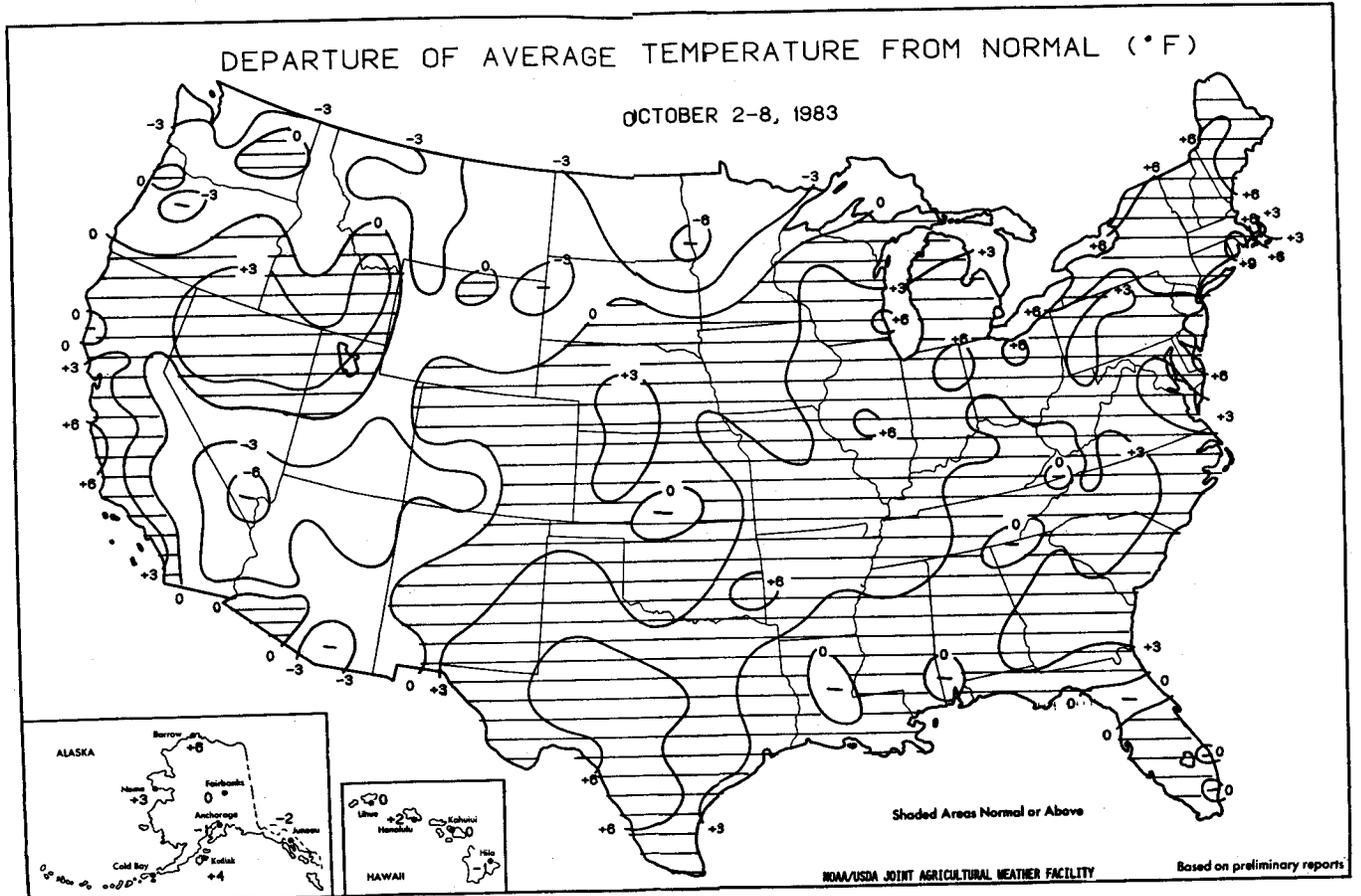
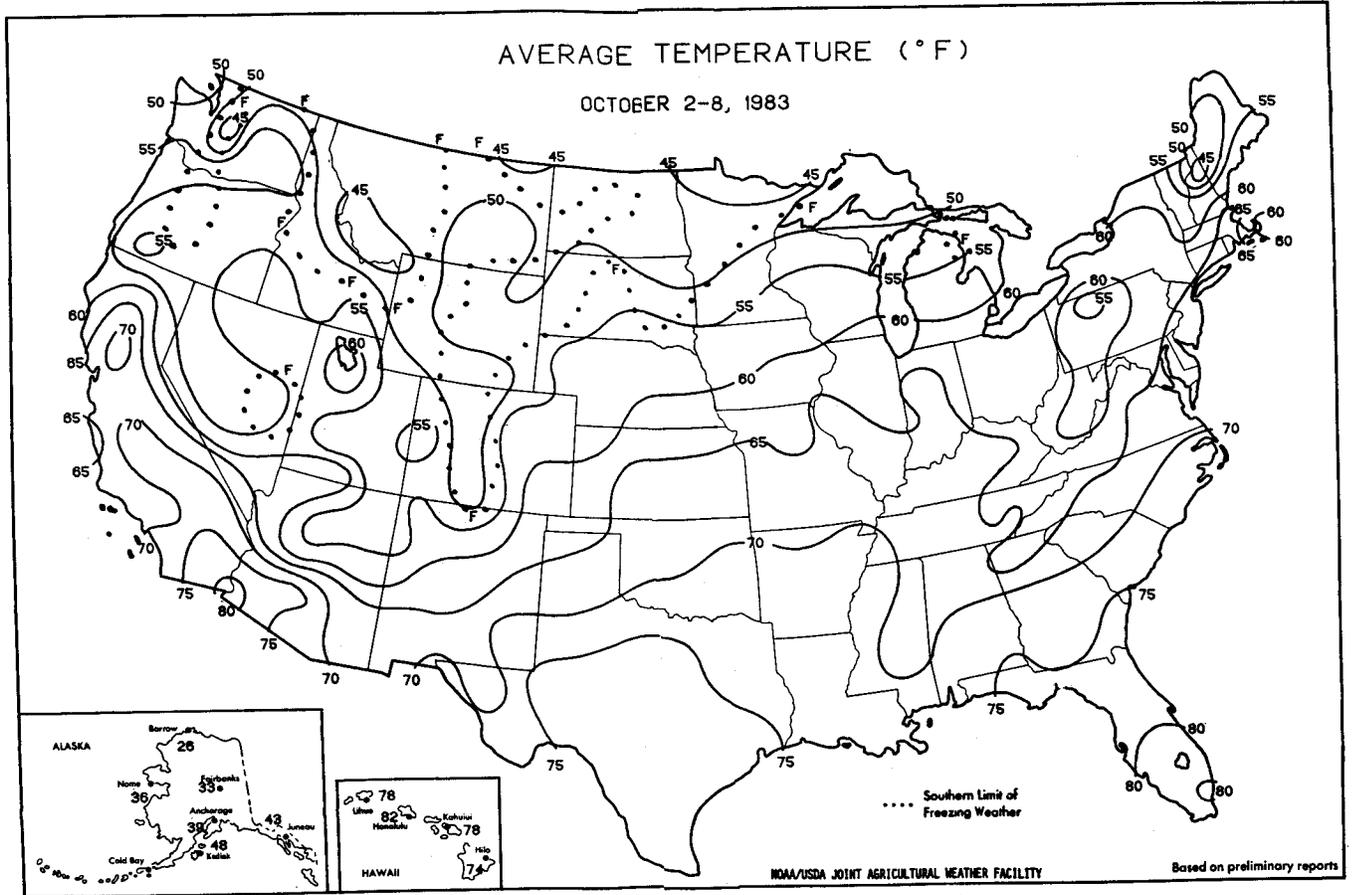
**SUNDAY...** A cold front pushed thunderstorms across the Great Basin into the Southwest. Severe flooding plagued Arizona and New Mexico. Light showers extended into western Texas and Oklahoma benefiting newly-seeded winter grains. Showers also reached over the northern Plains to the northern Great Lakes region. Cool weather settled into the Rockies and northern Plains and continued over the East Coast States.

**MONDAY...** Rain was not as heavy or widespread in the Southwest but showers and thunderstorms occurred from southeastern Arizona to southwestern Texas, exacerbating the flooding in Arizona and New Mexico. There were moderate showers and thunderstorms from Wyoming through the Great Lakes to New England. Another band of thunderstorms broke out from central Oklahoma through southern Missouri and the Ohio Valley.

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Weather Data for the Week Ending Oct. 8, 1983

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 AUG 28	PCT. NORMAL SINCE AUG 28	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	81	56	86	50	68	1	.1	-.6	-.1	7.9	50	46.1	101	89	39	0	0	2	0	
AL MOBILE	82	61	87	57	72	-1	.5	-.4	-.3	8.9	103	66.7	119	87	51	0	0	2	0	
AL MONTGOMERY	86	58	91	50	72	2	.1	-.6	-.1	6.9	113	57.3	141	94	43	3	0	2	0	
AK ANCHORAGE	45	32	51	24	39	-1	-.1	-.4	-.1	2.4	75	9.1	78	72	42	0	3	2	0	
AK BARROW	30	22	35	13	26	6	-.1	-.1	-.1	1.1	127	2.6	57	95	80	0	7	3	0	
AK FAIRBANKS	37	30	45	24	33	0	-.7	-.5	-.4	2.6	186	8.1	93	91	67	0	6	5	0	
AK JUNEAU	47	40	50	31	43	-2	1.0	-.9	-.5	7.0	75	35.6	90	100	84	0	1	7	0	
AK KODIAK	53	43	61	40	48	4	-.2	2.1	-.1	3.4	31	53.8	106	73	41	0	0	3	0	
AK NOME	42	30	46	24	36	3	1.4	1.1	-.8	4.0	125	11.0	79	92	71	0	5	5	0	
AZ PHOENIX	87	70	92	66	78	0	-.2	-.1	-.1	3.2	400	11.3	202	82	40	1	0	0	1	
AZ PRESCOTT	69	46	74	43	57	-2	-.6	-.3	-.6	10.2	443	18.3	120	96	48	0	0	2	1	
AZ TUCSON	80	60	89	59	70	-5	2.0	1.8	1.2	9.4	495	19.7	203	85	43	0	0	1	1	
AZ YUMA	91	70	96	67	81	0	-.1	-.1	-.1	.3	75	2.2	110	63	33	4	0	2	0	
AR FORT SMITH	85	56	93	48	71	4	-.2	-.4	-.2	1.7	33	28.3	74	75	40	0	0	1	0	
AR LITTLE ROCK	83	59	89	56	71	4	-.2	-.4	-.2	1.7	33	28.3	74	75	40	0	0	1	0	
CA BAKERSFIELD	83	60	87	54	72	0	0	-.1	0	.3	100	8.2	210	86	41	0	0	0	0	
CA EUREKA	62	52	67	49	57	2	0	-.4	0	4.1	293	41.0	167	93	74	0	0	0	0	
CA FRESNO	82	59	86	56	71	2	0	-.1	0	1.2	400	17.5	250	87	41	0	0	0	0	
CA LOS ANGELES	75	63	83	59	69	-1	.4	-.4	-.2	2.8	933	24.6	293	84	61	0	0	3	0	
CA RED BLUFF	81	57	84	54	69	1	0	-.1	0	1.4	200	31.0	230	89	35	0	0	0	0	
CA SACRAMENTO	84	57	87	54	70	3	0	-.1	0	.7	140	24.5	227	84	34	0	0	1	0	
CA SAN DIEGO	76	66	84	62	71	2	-.2	-.2	-.2	.4	400	15.0	238	84	61	0	0	1	0	
CA SAN FRANCISCO	75	56	83	52	66	3	0	-.1	0	.6	200	26.0	213	85	47	0	0	1	0	
CO DENVER	73	42	78	37	58	1	-.2	0	-.2	.3	18	16.8	124	75	25	0	0	0	0	
CO GRAND JUNCTION	71	48	76	43	60	0	-.1	-.1	-.1	1.3	118	10.9	170	72	31	0	0	2	0	
CO PUEBLO	77	41	84	34	59	0	-.1	-.1	-.1	.5	42	11.4	110	71	20	0	0	1	0	
CT BRIDGEPORT	74	56	81	47	65	6	-.1	-.6	-.1	3.0	65	41.7	132	92	55	0	0	1	0	
CT HARTFORD	77	52	83	38	64	8	-.6	-.2	-.5	4.0	73	29.9	87	85	44	0	0	2	1	
DC WASHINGTON	78	57	85	51	68	4	0	-.7	0	3.8	84	36.7	114	83	47	0	0	0	0	
FL APALACHICOLA	85	66	89	62	75	1	0	-.1	0	7.3	66	49.7	102	93	62	0	0	1	0	
FL DAYTONA BEACH	85	64	89	60	75	-1	-.2	-.1	-.2	8.9	98	49.8	119	93	58	0	0	0	0	
FL JACKSONVILLE	86	64	89	61	75	2	1.2	-.1	1.2	6.4	68	49.4	104	96	56	0	0	1	0	
FL KEY WEST	85	77	87	74	81	0	0	-.3	0	1.3	2	2.8	32	45.4	139	85	65	0	0	
FL MIAMI	86	73	88	71	79	0	-.2	-.6	-.1	8.6	77	48.2	97	90	56	0	0	0	0	
FL ORLANDO	90	69	90	65	79	2	1.1	-.3	1.1	7.4	103	46.1	105	93	49	4	0	3	1	
FL TALLAHASSEE	87	63	91	57	75	3	.4	-.6	-.3	5.1	59	53.5	96	96	50	2	0	3	1	
FL TAMPA	87	69	89	67	78	1	0	-.8	0	7.2	88	52.0	120	100	56	0	0	0	0	
FL WEST PALM BEACH	85	71	87	68	78	-1	-.8	-.3	-.6	10.5	83	64.2	127	96	66	0	0	2	1	
GA ATLANTA	78	59	84	55	68	2	-.3	-.3	-.2	7.9	184	33.2	86	83	48	0	0	2	0	
GA AUGUSTA	83	57	87	50	70	2	-.1	-.5	-.1	5.6	117	40.7	112	87	40	0	0	1	0	
GA MACON	85	61	90	53	73	4	.4	-.1	-.4	2.5	58	38.2	102	89	46	1	0	1	0	
GA SAVANNAH	85	64	89	59	75	4	-.2	-.6	-.2	3.7	54	45.1	99	88	46	0	0	1	0	
HI HILO	80	69	82	65	74	-1	1.7	0	-.7	15.1	156	56.4	60	90	68	0	0	6	1	
HI HONOLULU	88	75	89	73	82	2	0	-.3	0	1.2	120	3.3	22	74	44	0	0	0	0	
HI KAHULUI	85	71	87	70	78	0	-.1	0	-.1	.5	83	4.5	35	81	57	0	0	1	0	
HI LIHUE	83	73	84	67	78	0	-.4	-.4	-.1	2.0	57	11.4	38	79	56	0	0	4	0	
ID BOISE	71	44	77	40	58	1	0	-.1	0	.7	117	12.4	148	81	29	0	0	2	0	
ID LEWISTON	67	43	70	34	55	-1	0	-.2	0	.9	90	10.4	112	75	34	0	0	0	0	
ID POCATELLO	69	43	77	38	56	4	0	-.2	0	2.0	250	13.5	163	83	35	0	0	0	0	
IL CHICAGO	73	49	88	43	61	3	-.2	-.4	-.2	5.7	127	35.9	125	87	37	0	0	1	0	
IL MOLINE	74	50	85	43	62	4	-.1	-.6	-.1	5.6	112	26.2	82	89	45	0	0	2	0	
IL PEORIA	75	52	86	44	63	5	0	-.7	0	5.3	106	31.0	101	89	46	0	0	0	0	
IL QUINCY	76	54	86	48	65	5	0	-.9	0	4.0	69	21.2	64	80	42	0	0	0	0	
IL ROCKFORD	71	50	84	41	61	4	-.3	-.4	-.3	4.1	80	25.4	79	93	48	0	0	2	0	
IL SPRINGFIELD	78	55	89	45	67	6	0	-.6	0	1.4	33	20.7	72	79	37	0	0	1	0	
IN EVANSVILLE	79	51	88	43	65	3	2.4	1.9	2.4	3.6	97	36.4	106	87	33	0	0	1	1	
IN FORT WAYNE	76	51	86	39	64	6	-.5	-.1	-.2	1.9	50	20.7	71	86	35	0	0	3	0	
IN INDIANAPOLIS	78	53	88	45	66	6	-.8	-.2	-.7	2.7	69	25.5	79	82	34	0	0	2	1	
IN SOUTH BEND	73	51	83	44	62	4	-.1	-.6	-.1	3.0	67	23.1	75	80	42	0	0	1	0	
IA DES MOINES	72	49	89	43	61	2	-.2	-.3	-.2	5.9	140	27.9	100	85	48	0	0	2	0	
IA SIOUX CITY	68	47	81	41	58	0	-.4	-.1	-.3	3.6	106	23.1	100	89	49	0	0	2	0	
IA WATERLOO	69	47	87	36	58	3	-.5	-.1	-.5	4.2	89	28.1	95	93	51	0	0	1	1	
KS CONCORDIA	74	52	89	45	63	2	0	-.5	0	1.7	43	19.3	78	84	45	0	0	0	0	
KS DODGE CITY	77	56	93	50	66	4	0	-.3	0	2.8	112	20.4	108	78	37	1	0	2	0	
KS GOODLAND	72	45	81	37	59	1	-.2	-.1	-.2	1.2	60	15.8	104	85	29	0	0	1	0	
KS TOPEKA	78	55	92	43	66	4	-.4	-.4	-.4	3.0	60	27.1	92	84	43	1	0	1	0	
KS WICHITA	73	54	86	43	63	-1	-.2	-.5	-.1	3.0	61	30.5	120	86	52	0	0	3	0	
KY BOWLING GREEN	81	50	88	41	65	3	-.5	-.1	-.4	1.5	35	37.8	93	95	36	0	0	2	0	
KY LEXINGTON	78	53	85	43	65	4	0	-.5	0	1.5	35	27.4	72	86	34	0	0	2	0	
KY LOUISVILLE	79	53	88	45	66	4	-.9	-.3	-.9	2.5	54	33.0	90	83	36	0	0	1	1	
LA ALEXANDRIA	84	56	88	51	70	-2	0	-.8	0	4.0	105	41.2	98	91	40	0	0	0	0	
LA BATON ROUGE	84	59	87	55	72	0	0	-.7	0	4.3	73	61.8	134	92	44	0	0	0	0	
LA LAF CHARLES	86	61	88	58	74	1	0	-.9	0	8.7	124	48.4	110	92	43	0	0	1	0	
LA NEW ORLEANS	83	63	89	58	73	0	-.6	-.2	-.6	6.5	86	64.9	131	85	47	0	0	1	1	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending Oct. 8, 1983

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 AUG 28	PCT. NORMAL SINCE AUG 28	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	85	59	90	52	72	1	.2	-.4	.2	3.2	74	37.0	105	93	41	1	0	1	0
ME CARIBOU	58	44	75	36	51	4	1.2	-.5	1.0	4.3	90	32.4	113	94	63	0	0	4	1
ME PORTLAND	67	47	78	33	57	5	.2	-.6	.1	2.5	53	40.9	130	96	58	0	0	3	0
MD BALTIMORE	77	52	85	45	65	4	.1	-.6	.1	2.0	41	35.9	107	90	44	0	0	2	0
MD SALISBURY	78	56	88	46	67	6	.6	-.2	.6	6.8	124	39.2	105	89	54	0	0	2	1
MA BOSTON	74	58	85	48	66	8	.2	-.6	.2	2.7	56	36.3	111	89	50	0	0	2	0
MA CHATHAM	70	48	73	-2	59	2	.7	-.1	.5	2.6	50	42.3	119	94	71	0	1	2	1
MI ALPENA	60	43	81	32	52	1	1.9	1.4	.9	5.2	127	27.8	114	99	65	0	1	6	2
MI DETROIT	72	48	83	37	60	3	.2	-.2	.2	3.3	106	27.1	107	81	40	0	0	2	0
MI FLINT	70	50	82	38	60	5	.4	-.1	.3	4.7	142	24.9	100	91	48	0	0	2	0
MI GRAND RAPIDS	68	50	76	38	59	4	.5	-.1	.3	5.3	126	29.1	105	93	54	0	0	4	0
MI HOUGHTON LAKE	60	48	76	39	54	3	.9	-.3	.6	5.7	146	23.5	104	96	67	0	0	6	1
MI LANSING	68	48	79	38	58	3	.3	-.2	.3	4.5	132	26.8	109	94	55	0	0	2	0
MI MARQUETTE	54	41	64	28	48	-1	2.0	1.2	.9	8.0	151	33.8	113	97	75	0	1	6	1
MI MUSKEGON	66	49	75	42	58	3	.9	-.2	.4	7.9	193	24.5	97	94	57	0	0	5	0
MI SAULT STE. MARIE	57	41	70	30	49	0	1.8	1.1	.6	5.6	108	26.5	101	97	71	0	1	6	1
MN ALEXANDRIA	55	38	58	30	47	-5	T	-.5	T	2.8	82	17.7	80	99	60	0	1	1	0
MN DULUTH	52	42	58	34	47	-1	.4	-.2	.2	6.3	140	22.9	88	97	70	0	0	5	0
MN INT'L FALLS	50	37	56	26	44	-4	-.4	-.2	.2	6.3	154	21.0	96	99	75	0	2	5	0
MN MINNEAPOLIS	62	47	77	37	54	0	.1	-.4	.1	4.0	118	29.9	129	100	67	0	0	1	0
MS ROCHESTER	64	45	79	35	55	1	.3	-.3	.2	5.8	138	27.7	109	92	56	0	0	3	0
MS GREENWOOD	85	57	88	48	71	2	T	-.6	T	1.3	30	45.6	109	85	32	0	0	1	0
MS JACKSON	85	54	89	48	70	0	0	-.6	0	2.7	57	56.8	135	96	32	0	0	0	0
MS MERIDIAN	83	54	86	49	68	0	0	-.7	0	4.3	90	54.3	127	100	44	0	0	0	0
MO CAPE GIRARDEAU	79	54	86	48	66	-1	2.5	1.9	2.5	3.4	68	31.3	86	95	43	0	0	1	1
MO COLUMBIA	75	52	86	46	64	2	T	-.8	T	4.3	84	28.7	95	95	51	0	0	1	0
MO KANSAS CITY	77	54	91	45	66	4	.2	-.6	.2	2.2	39	23.7	75	88	45	1	0	1	0
MO SAINT LOUIS	79	58	88	51	68	6	.1	-.4	.1	1.4	38	28.0	100	87	42	0	0	1	0
MO SPRINGFIELD	78	55	87	46	66	4	.9	0	.6	5.0	86	31.8	97	86	50	0	0	3	1
MT BILLINGS	63	42	69	38	53	-1	.1	-.2	.1	2.3	128	9.8	77	80	38	0	0	2	0
MT GLASGOW	61	37	68	32	49	-2	0	-.1	0	1.0	91	6.9	65	82	36	0	1	0	0
MT GREAT FALLS	61	35	68	28	48	-4	T	-.2	T	2.0	133	13.3	100	79	32	0	2	0	0
MT HAVRE	62	34	67	28	48	-3	T	-.1	T	.6	60	11.2	108	89	30	0	2	0	0
MT HELENA	61	35	66	29	48	-2	T	-.1	T	1.6	133	12.7	130	78	35	0	3	1	0
MT KALISPELL	58	31	65	23	45	-2	.3	0	.3	1.7	94	14.4	110	96	40	0	3	1	0
MT MILES CITY	62	40	66	35	51	-2	.1	-.1	.1	1.5	94	7.4	59	88	37	0	0	4	0
MT MISSOULA	59	31	64	23	45	-4	T	-.2	T	1.4	108	13.3	130	96	39	0	5	0	0
NE GRAND ISLAND	71	50	77	46	60	3	.2	-.2	.1	2.8	88	23.4	108	85	40	0	0	2	0
NE LINCOLN	71	52	85	44	62	3	.3	-.2	.3	2.9	74	23.6	97	92	51	0	0	1	0
NE NORFOLK	68	46	73	41	57	0	.1	-.3	.1	1.7	59	23.0	103	86	41	0	0	2	0
NE NORTH PLATTE	71	44	79	37	58	2	.2	-.1	.1	.3	14	16.7	92	82	32	0	0	3	0
NE OMAHA	67	50	86	44	59	0	.2	-.4	.1	3.1	69	24.7	90	90	63	0	0	3	0
NE SCOTTSBLUFF	70	40	82	35	55	0	T	-.2	T	.4	27	12.6	95	77	28	0	0	1	0
NE VALENTINE	68	41	78	34	55	0	.5	-.2	.3	1.8	86	22.4	132	83	32	0	0	2	0
NV ELY	67	36	73	31	51	1	.1	0	.1	1.1	110	12.2	169	94	40	0	1	1	0
NV LAS VEGAS	78	57	82	53	67	-5	.1	-.1	.1	.7	175	4.5	129	76	33	0	0	1	0
NV RENO	76	41	82	35	58	4	.1	0	.1	1.0	250	8.4	165	92	30	0	0	1	0
NV WINNEMUCCA	74	39	79	34	56	3	T	-.1	T	.8	160	8.3	136	90	28	0	0	1	0
NH CONCORD	70	47	79	33	58	6	.6	-.1	.5	3.3	75	33.4	119	97	55	0	0	3	1
NJ ATLANTIC CITY	76	55	85	45	65	6	T	-.6	T	4.5	107	33.4	99	94	50	0	0	0	0
NM ALBUQUERQUE	74	49	78	44	62	-1	.4	-.2	.2	1.8	150	6.6	96	94	37	0	0	3	0
NM CLOVIS	79	53	86	46	66	3	.1	-.4	.1	1.3	48	8.1	51	81	33	0	0	1	0
NM ROSWELL	84	58	88	55	71	5	.3	0	.2	1.1	50	5.3	59	63	30	0	0	2	0
NY ALBANY	72	50	78	38	61	6	.7	0	.5	3.2	73	35.0	127	98	59	0	0	2	1
NY BINGHAMTON	70	52	80	44	61	8	.7	0	.4	3.0	67	31.3	108	87	46	0	0	3	0
NY BUFFALO	70	53	81	43	61	6	2.2	1.6	1.3	4.5	100	24.6	84	87	47	0	0	5	2
NY NEW YORK	75	60	83	53	67	6	.2	-.5	.2	4.3	91	42.4	126	86	50	0	0	1	0
NY ROCHESTER	72	53	84	42	62	7	1.3	-.7	.7	4.0	105	24.0	95	92	51	0	0	5	1
NY SYRACUSE	71	51	80	44	61	6	.6	-.1	.4	4.0	89	25.1	81	98	56	0	0	4	0
NC ASHEVILLE	78	46	82	41	62	2	.2	-.6	.2	6.2	117	35.8	91	98	37	0	0	1	0
NC CHARLOTTE	81	54	87	50	67	2	.5	-.2	.5	1.3	27	28.1	80	93	37	0	0	1	0
NC GREENSBORO	77	51	82	41	64	2	.1	-.7	.1	2.8	55	32.6	93	86	40	0	0	1	0
NC HATTERAS	78	66	81	59	72	3	T	1.1	T	6.2	79	45.0	103	89	57	0	0	0	0
NC NEW BERN	84	60	91	53	72	5	0	-.9	0	1.8	24	40.6	90	93	45	2	0	0	0
NC RALEIGH	80	54	86	46	67	3	.4	-.2	.4	2.6	58	33.6	97	94	45	0	0	1	0
NC WILMINGTON	83	62	87	58	73	4	T	-.8	T	5.6	74	47.5	103	96	54	0	0	1	0
ND BISMARCK	59	34	67	29	47	-4	.4	-.1	.4	1.5	83	11.7	81	92	45	0	2	1	0
ND FARGO	53	36	58	28	45	-7	.2	-.2	.1	4.0	154	16.8	93	91	59	0	2	2	0
ND GRAND FORKS	55	37	58	32	46	-4	.3	-.1	.2	4.2	150	19.1	116	93	60	0	1	3	0
ND WILLISTON	62	34	70	27	48	-2	.2	-.1	.2	.8	40	8.0	63	93	44	0	3	1	0
OH AKRON-CANTON	71	52	80	40	61	5	.5	-.1	.3	4.1	103	28.3	94	87	45	0	0	3	0
OH CINCINNATI	75	48	84	40	62	2	.9	.3	.7	3.0	77	27.8	83	91	38	0	0	2	1
OH CLEVELAND	71	50	82	39	61	3	2.2	1.7	1.7	6.2	163	29.6	101	83	49	0	0	3	1
OH COLUMBUS	74	49	84	37	62	3	.7	.3	.5	3.9	108	26.4	84	85	34	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

National Weather Summary (continued from front cover)

FRIDAY...Light showers and thunderstorms continued from central Texas through the central Plains and light rain or showers extended to the northern Mississippi Valley. Heavy showers reached across the northern Great Lakes into Canada. A few showers fell in the Southwest. Cool weather continued in the northern States. High temperatures in the eighties prevailed across the southern States.

SATURDAY...Severe thunderstorms accompanied by some deluges of rain fell in south-central Texas. Lighter showers spread throughout the southern and central Plains, and from southern Missouri to western New York. Light showers also fell in the Southeast and the Pacific Northwest. High temperatures were in the eighties in the lower Mississippi Valley, in California, and across the southern States.

Weather Data for the Week Ending Oct. 8, 1983

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 AUG 26	PCT. NORMAL SINCE AUG 26	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
OK DAYTON	74	51	83	38	63	3	.9	.4	.6	2.2	65	26.4	89	88	34	0	0	3	1
OK TOLEDO	73	48	85	37	61	4	.5	.1	.3	2.4	69	23.0	88	91	40	0	0	3	1
OK YOUNGSTOWN	70	49	79	34	60	4	1.7	0	.4	5.3	138	27.9	90	88	47	0	0	2	0
OK OKLAHOMA CITY	77	59	89	49	68	1	.3	.6	1.2	2.2	47	24.7	91	85	44	0	0	4	0
OK TULSA	79	62	90	52	70	3	.5	.4	.3	2.8	47	23.2	72	90	49	1	0	4	1
OR ASTORIA	62	43	65	32	53	-3	.1	-1.0	.1	3.0	65	51.0	122	100	58	0	1	3	0
OR BURNS	70	32	74	28	51	-1	.1	-1.1	T	.1	14	11.5	146	34	33	0	3	0	0
OR MEDFORD	74	43	78	39	59	0	.2	-1.1	.2	3.3	275	17.5	141	91	33	0	0	1	0
OR PENDLETON	66	44	72	35	55	-2	.1	-1.1	.1	.5	71	9.1	115	71	31	0	0	1	0
OR PORTLAND	67	47	72	36	57	-1	.1	-1.1	.1	.5	71	9.1	115	71	31	0	0	1	0
OR SALEM	70	42	74	34	56	0	T	-1.6	T	2.6	113	31.4	134	90	44	0	0	1	0
PA ALLENTOWN	77	50	83	40	63	6	.4	.4	.4	2.4	100	37.5	150	87	39	0	0	1	0
PA ERIE	72	55	82	43	64	8	1.6	.8	1.2	7.0	36	34.1	97	87	42	0	0	1	0
PA HARRISBURG	76	51	84	41	64	4	T	-1.7	T	.7	135	33.6	110	82	49	0	0	3	1
PA PHILADELPHIA	76	55	82	48	66	5	T	-1.6	T	1.3	27	31.3	101	87	40	0	0	0	0
PA PITTSBURGH	70	48	78	37	59	2	T	-1.6	T	5.0	106	37.4	114	94	48	0	0	0	0
PA SCRANTON	74	51	80	43	63	7	.9	.3	.8	4.3	108	29.7	97	87	47	0	0	2	1
RI PROVIDENCE	75	57	84	44	66	9	.2	-1.4	.2	2.9	64	30.8	109	91	50	0	0	1	0
SC CHARLESTON	83	65	88	61	74	4	.9	.1	.9	3.3	67	44.7	131	80	47	0	0	1	1
SC COLUMBIA	83	55	88	48	69	2	.6	-1.1	.5	4.0	70	33.7	82	97	41	0	0	2	0
SC FLORENCE	83	58	89	53	71	3	.1	-1.6	.1	2.5	47	39.5	107	97	45	0	0	1	0
SC GREENVILLE	79	53	82	48	66	1	T	-1.9	T	3.7	63	37.5	90	90	43	0	0	1	0
SD ABERDEEN	57	39	62	26	48	-5	.1	-1.2	.1	1.6	84	19.0	124	99	64	0	2	2	0
SD HURON	62	41	68	30	52	-2	T	-1.3	T	2.6	130	14.9	89	99	58	0	1	1	0
SD RAPID CITY	63	39	76	32	51	-3	.9	.7	.8	1.3	87	13.1	87	87	44	0	1	3	1
SD SIOUX FALLS	67	42	74	32	55	0	0	.5	0	3.4	87	22.5	99	99	52	0	1	0	0
TN CHATTANOOGA	80	51	86	47	66	1	.1	-1.7	.1	1.7	30	32.1	76	92	36	0	0	1	0
TN KNOXVILLE	81	50	87	46	65	1	.5	.1	.5	1.9	46	29.7	78	97	40	0	0	1	0
TN MEMPHIS	83	62	86	53	72	5	0	.5	0	1.6	34	36.6	87	76	34	0	0	1	0
TN NASHVILLE	82	54	87	47	68	3	.5	.2	.3	1.2	24	34.7	87	85	30	0	0	2	0
TX ABILENE	88	67	90	61	78	8	.1	-1.5	.1	1.0	24	13.7	67	73	36	4	0	1	0
TX AMARILLO	81	54	90	46	68	4	.1	-1.3	T	.5	19	11.0	62	81	34	1	0	2	0
TX AUSTIN	89	70	93	65	80	6	T	-1.8	T	2.9	58	28.3	106	82	48	3	0	1	0
TX BEAUMONT	84	65	86	61	75	1	0	-1.0	0	10.4	130	63.9	148	96	53	0	0	0	0
TX BROWNSVILLE	91	72	93	68	82	4	T	-1.0	T	9.1	130	24.8	115	93	55	6	0	0	0
TX CORPUS CHRISTI	89	70	91	68	79	2	0	-1.0	0	7.3	90	31.0	115	97	56	3	0	0	0
TX DEL RIO	89	72	93	68	80	5	1.8	1.2	1.8	2.4	63	8.7	56	83	42	5	0	1	0
TX EL PASO	86	60	90	55	73	5	.4	.2	.4	1.8	100	6.4	93	85	31	3	0	2	0
TX FORT WORTH	85	64	96	58	75	2	3.2	2.5	1.7	3.4	77	27.4	107	80	37	2	0	3	3
TX GALVESTON	84	74	87	70	79	3	0	-.8	0	11.7	160	46.3	138	85	57	0	0	0	0
TX HOUSTON	86	65	89	60	75	2	0	-.9	0	7.3	109	44.8	120	90	49	0	0	0	0
TX LUBBOCK	83	58	91	50	70	5	.5	0	.3	.9	31	9.1	56	91	40	1	0	3	0
TX MIDLAND	89	65	94	61	77	8	1.0	.6	.8	1.6	57	4.6	37	85	34	4	0	3	1
TX SAN ANGELO	89	67	95	54	78	8	T	-1.6	T	0	0	10.0	62	78	41	2	0	1	0
TX SAN ANTONIO	88	70	91	66	79	5	.1	-1.6	.1	4.0	80	21.3	88	88	48	2	0	1	0
TX VICTORIA	88	70	91	67	79	3	.3	-.8	.3	5.2	63	32.3	101	99	59	2	0	1	0
TX WACO	88	67	100	63	78	5	.3	-.5	.3	5.9	20	19.5	74	86	44	4	0	2	0
TX WICHITA FALLS	82	61	92	51	71	1	3.7	2.9	2.9	3.7	79	19.4	83	89	42	2	0	4	2
UT BLANDING	62	40	68	38	51	-6	T	-.3	T	3.9	279	13.3	162	92	48	0	0	1	0
UT CEDAR CITY	69	41	74	35	55	-2	.3	-.1	.3	1.1	92	12.0	143	85	36	0	0	1	0
UT SALT LAKE CITY	72	51	78	45	61	4	.5	-.3	.3	2.1	175	17.2	147	81	40	0	0	2	0
VT BURLINGTON	68	50	77	42	59	7	2.8	2.2	1.4	6.8	155	36.8	135	90	52	0	0	4	2
VA NORFOLK	77	57	86	50	67	2	1.0	-.2	1.0	7.2	122	36.0	96	89	47	0	0	1	1
VA RICHMOND	77	52	85	43	65	2	T	-.8	T	3.1	62	29.4	84	97	48	0	0	1	0
VA ROANOKE	78	49	82	38	63	2	0	-.8	0	1.7	36	30.7	96	95	37	0	0	0	0
WA COLVILLE	63	37	66	28	50	-1	0	-.2	0	.9	69	19.3	154	75	46	0	2	0	0
WA QUILLAYUTE	60	38	62	30	49	-4	.6	-1.3	.6	8.1	103	78.3	119	99	62	0	1	1	1
WA SEATTLE-TACOMA	60	45	61	37	52	-3	T	-.6	T	3.7	128	26.9	112	88	56	0	0	1	1
WA SPOKANE	65	41	69	33	53	1	T	-.2	T	.8	73	14.1	118	67	30	0	0	0	0
WA YAKIMA	69	41	75	29	55	1	T	-.1	T	.7	117	8.1	162	72	29	0	1	0	0
WV BECKLEY	71	45	77	37	58	2	.1	-.5	.1	2.0	44	26.2	75	96	43	0	0	1	0
WV CHARLESTON	79	50	85	40	64	4	.2	-.4	.2	1.6	37	28.3	81	88	34	0	0	1	0
WV HUNTINGTON	78	50	85	39	64	3	.1	-.4	.1	.9	21	25.5	75	91	34	0	0	1	0
WV PARKERSBURG	75	52	83	40	64	4	.7	-.2	.6	5.2	137	31.0	89	95	42	0	0	2	1
WI GREEN BAY	63	48	79	36	55	3	1.3	-.8	1.0	5.2	121	25.7	108	95	64	0	0	3	1
WI LA CROSSE	69	49	82	37	59	4	.4	-.2	.3	4.8	102	22.5	82	97	55	0	0	3	0
WI MADISON	67	48	82	33	58	4	.7	-.1	.4	3.8	93	24.2	91	96	55	0	0	3	0
WI MILWAUKEE	69	52	83	46	61	5	.9	-.3	.5	3.6	92	28.8	113	92	52	0	0	5	1
WY WAUSAU	61	49	75	35	55	3	1.2	-.6	1.2	7.4	142	24.2	85	93	56	0	0	3	1
WY CASPER	66	36	77	30	51	-1	.1	-.2	.1	.5	45	14.1	145	92	37	0	1	1	0
WY CHEYENNE	64	40	75	36	52	1	.1	-.1	.1	.8	57	17.5	143	87	39	0	0	2	0
WY LANDER	66	36	76	32	51	-1	T	-.3	T	.6	43	11.2	101	75	34	0	1	1	0
WY SHERIDAN	66	38	77	31	52	1	.4	-.1	.2	1.3	76	6.3	48	85	39	0	1	4	0
PR SAN JUAN	90	78	91	77	84	2	.3	-1.1	.3	2.9	35	29.5	70	86	64	5	0	2	0

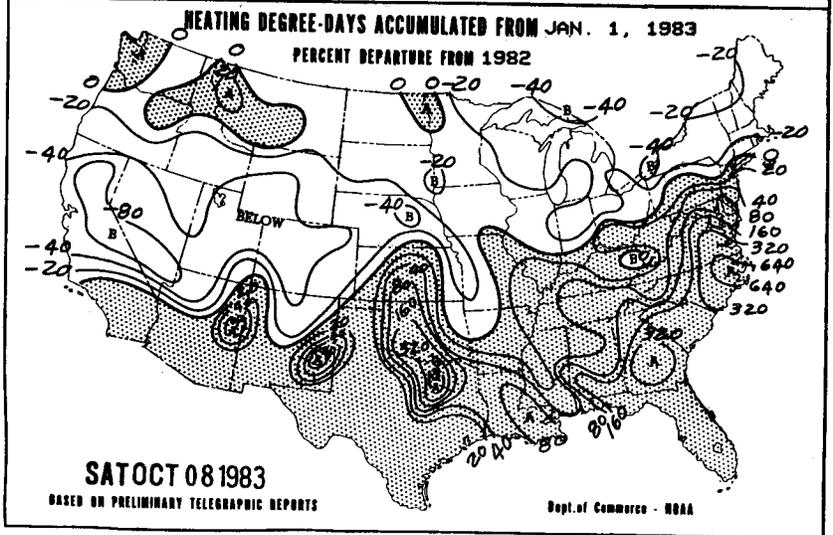
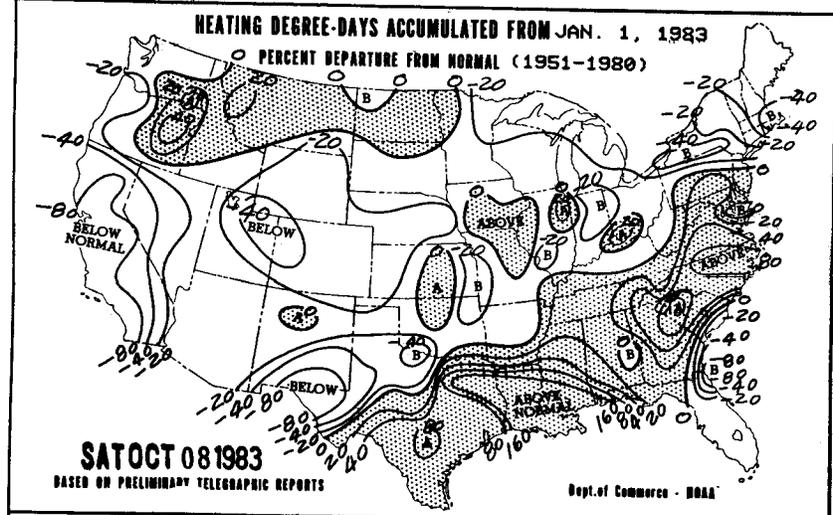
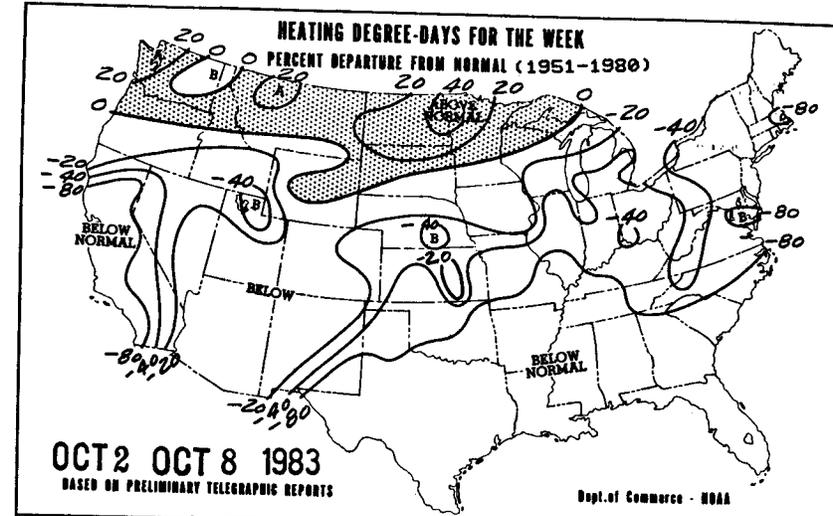
BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

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

LAST DATE OF DATA COLLECTION PERIOD IS 10-1-1983  
ACCUMULATIONS ARE FROM JULY 1  
\*\*\*\* = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

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





## September Weather and Crop Summary

WEATHER SUMMARY

**HIGHLIGHTS:** Hot, dry weather dominated the Plains early in the month and spread eastward. Record high temperatures were recorded over the East Coast States just before midmonth. Much cooler air began to move into the northern Rockies after the first week and spread over all of the East in the latter half of the month. Freezing temperatures reached as far south as the Texas Panhandle and eastward to the northern Mississippi Valley. Isolated frost occurred in many parts of the East. Large areas of the Nation had less than half the normal rainfall. The eastern slopes of the Rockies, the area along a line from central Texas to West Virginia, and much of the East Coast States had less than half the normal rain. Persistent showers all month, and very heavy showers near the end of the month in the Southwest caused severe flooding from central Arizona into southwestern New Mexico. Dry weather in the southern Plains delayed planting of winter grains but most areas to the north and across the Corn Belt fared better.

The first three days of the month were marked by a severe heat wave throughout the Plains, which spread eastward through the Corn Belt. On the third day a cooler outbreak began in the northern Plains. Showers and thunderstorms in the Southeast provided much needed moisture for that dry area.

**FIRST WEEK...**Hot weather dominated the area from the southern Rockies and central Plains to the east coast. Many record high temperatures were set in the East Coast States and little or no rain fell along the coast. Moderate to heavy rain fell along the gulf coast and extended into the southern Appalachians. Moderate rain fell in the Great Lakes region and southward into the eastern Corn Belt. Some beneficial rain fell in western Texas and eastern New Mexico and from southern Kansas into Missouri. Another surge of cooler air moved into the Rockies at the end of the week.

**SECOND WEEK...**A drastic change in weather patterns ended the heat wave in the eastern United States. Average temperatures for the week were 5-7° cooler than normal from the northern Plains through the Great Lakes. Precipitation was widespread over the eastern United States, the Southwest, and parts of the Northwest. Very warm weather persisted in the Southwest and nearly all of California. High temperatures climbed to well over 100° throughout central California. Rains in the central and southern Plains and through the East were beneficial for the planting of winter grains. However, cool weather slowed crop development across the Corn Belt.

**THIRD WEEK...**An outbreak of cold polar air began in the northern Rockies early in the week and rapidly spread southward and eastward, and off the east coast by midweek. Heavy snow fell in Montana and Wyoming early in the week, and subfreezing temperatures reached as far south as the Texas Panhandle and eastward to the upper Mississippi Valley. A hard freeze covered Montana, Wyoming, and western Nebraska. Moderate to heavy showers covered the East from the eastern part of the Plains to the east coast. There were more showers over the Southwest, and a few showers were reported in parts of California's San Joaquin Valley where raisins were spread out to dry.

**FOURTH WEEK...**Heavy showers fell in the Southwest and caused severe flooding in southern Arizona and

southwestern New Mexico. Moderate to heavy showers extended northward over the Plateau and into the western portion of the Rockies. Showers were heavy in parts of southern California and slowed some harvest activity. Moderate to heavy showers also fell in southern Nebraska and extended northeastward to the western Great Lakes region. Late in the week Tropical Storm Dean moved onshore in the mid-Atlantic area. The storm weakened rapidly but spread rain through Virginia and Maryland, and along the coast to southern New England. The eastern United States remained cool but temperatures in the Plains and Great Lakes area began to warm.

CROP PROGRESS

Corn and soybeans were in poor to fair condition in most of the Corn Belt and Southeast because of the dry weather which prevailed through the summer and into mid-September. Freezing temperatures pushed southward late in the month across the northern Plains into portions of the extreme western Corn Belt. Damage to corn was limited because of the advanced maturity of the crop. However, the freeze promoted fast drying in this region. Some late-planted soybeans were damaged by the freeze in these areas.

Corn was 94 percent mature by October 2. Twenty-four percent of the crop had been harvested, 14 points ahead of last year and 10 points ahead of the average. Harvesting was underway in all major States, with progress ranging from 4 percent complete in Colorado to 86 percent finished in Georgia. Crop maturity was equal to or ahead of normal in all major States except Kentucky, Pennsylvania, and Wisconsin.

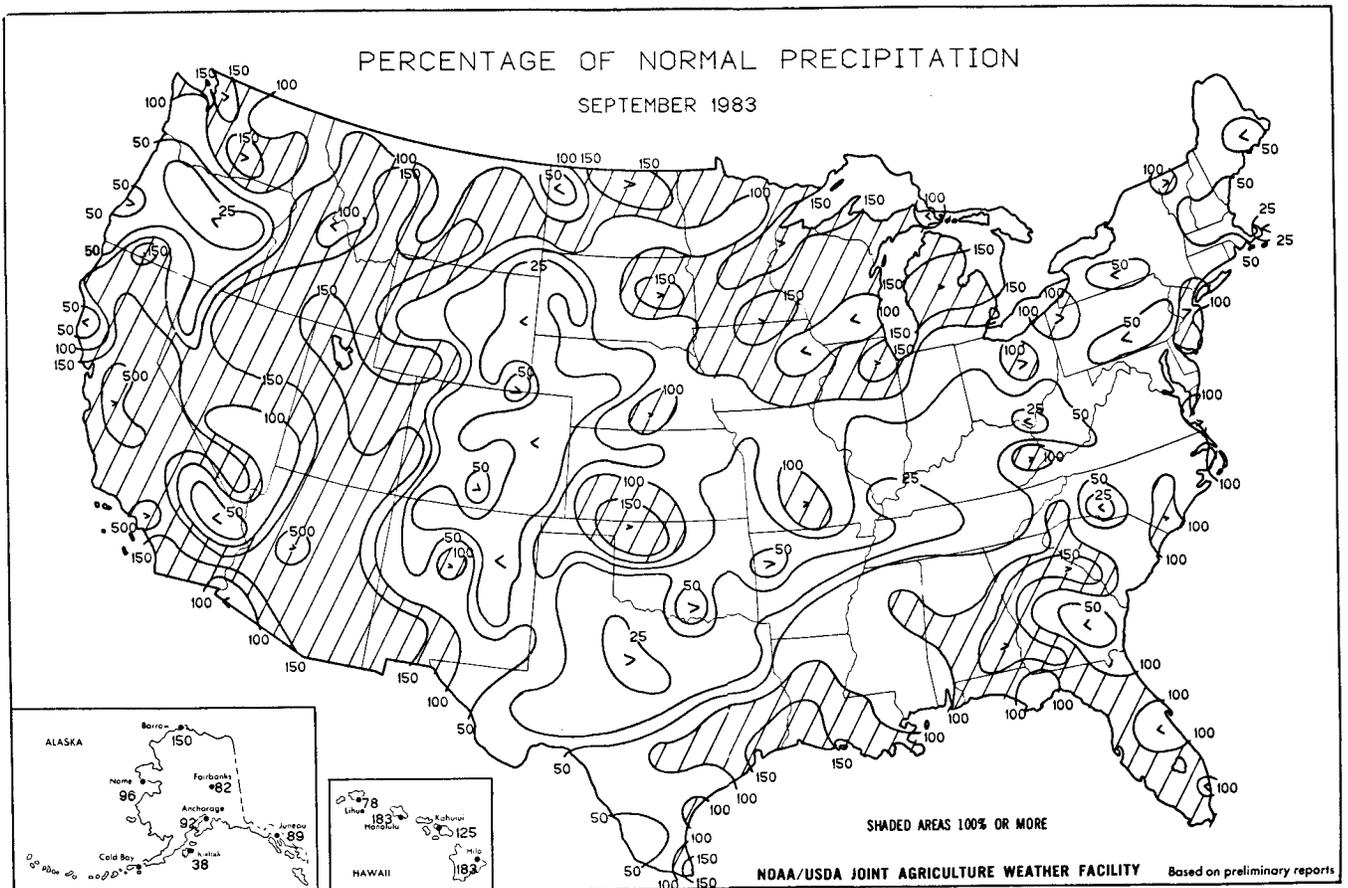
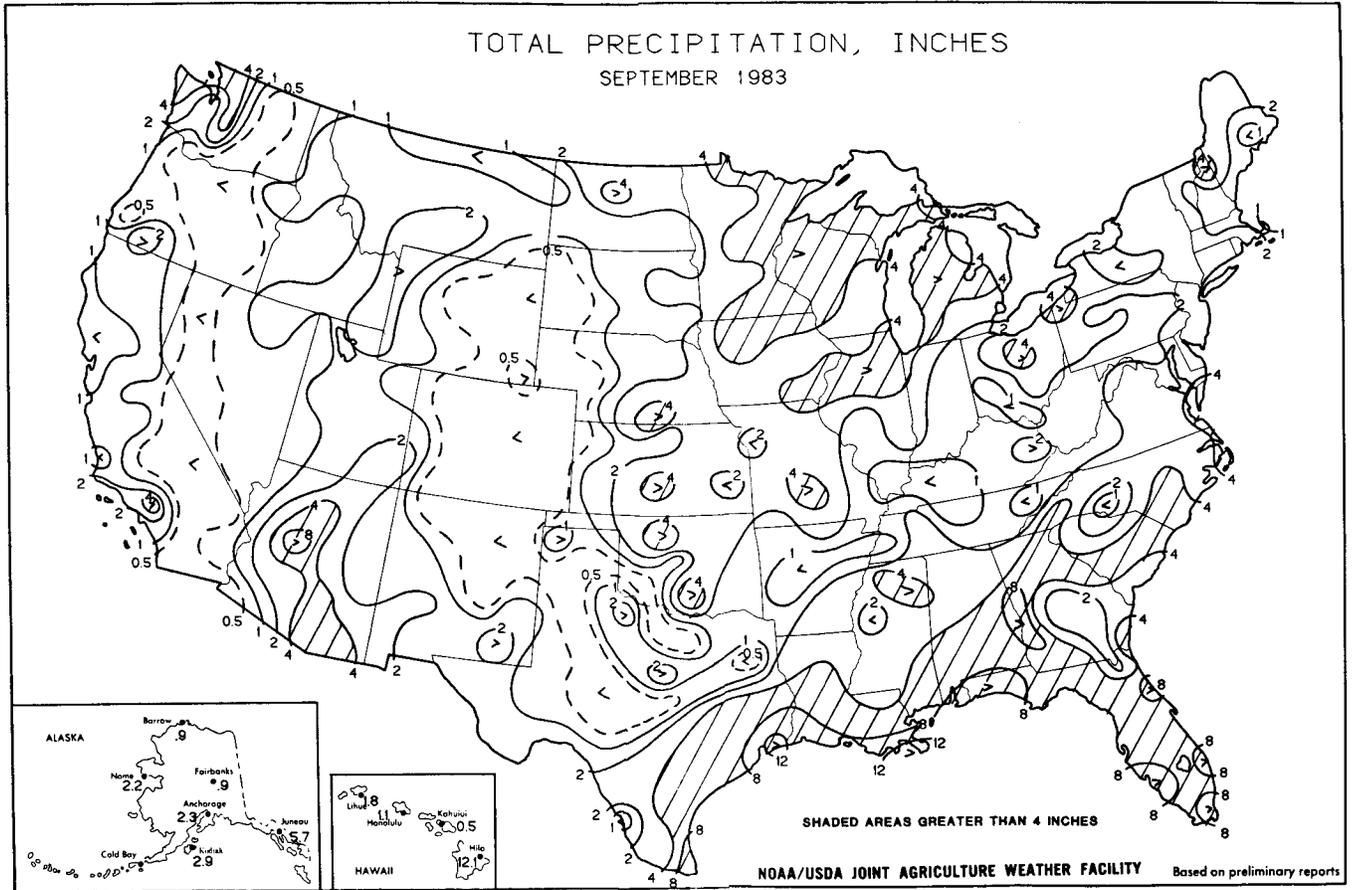
Leaves were dropping on 72 percent of the soybean acreage by October 2, compared with 65 percent last year. Harvesting was underway in all States except South Carolina. Combining reached 20 percent finished by October 2--6 points ahead of last year. Harvesting trailed the average in Alabama, Georgia, Kentucky, Louisiana, and Mississippi. Progress ranged from 1 percent harvested in Georgia and North Carolina to 40 percent complete in Illinois and Indiana.

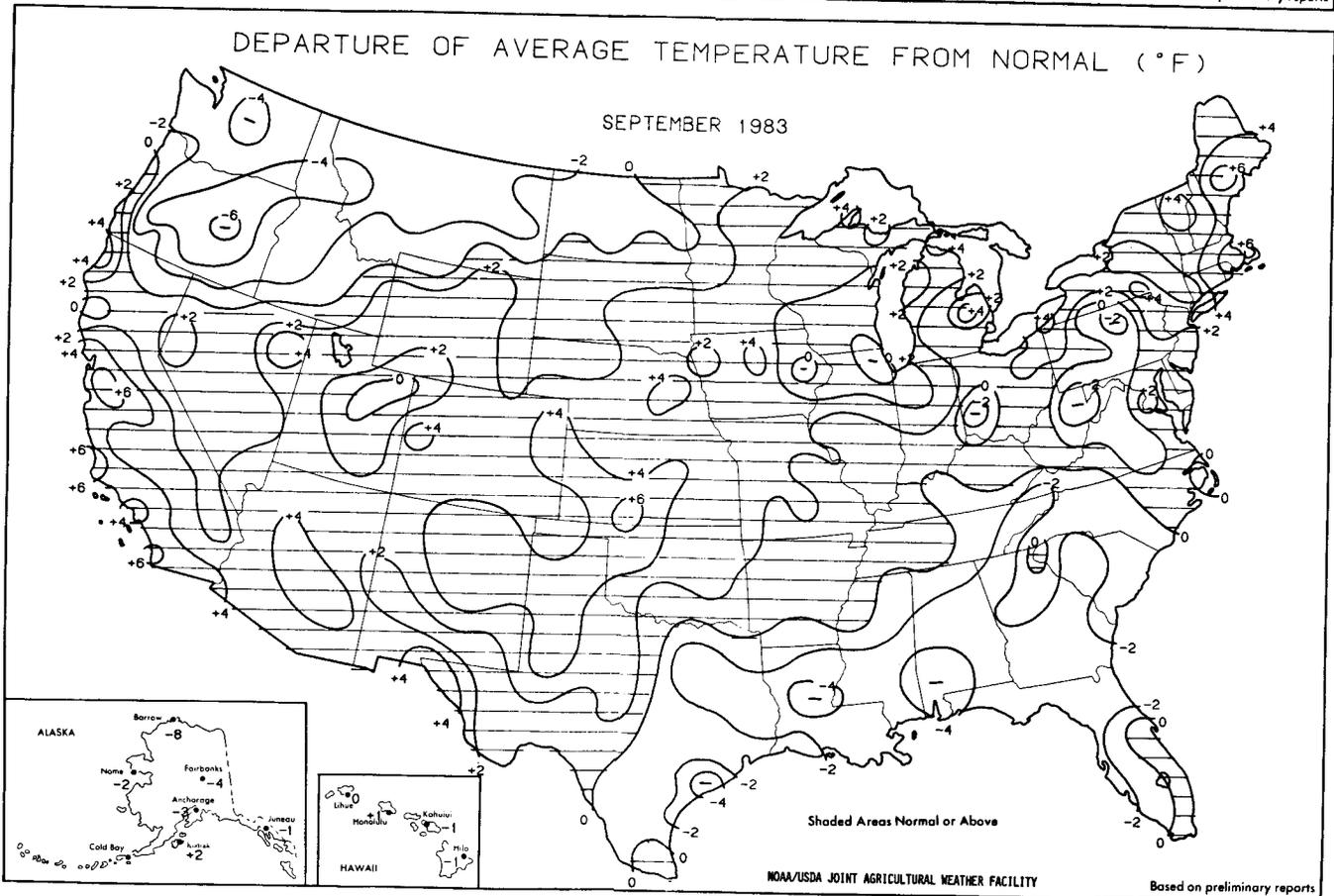
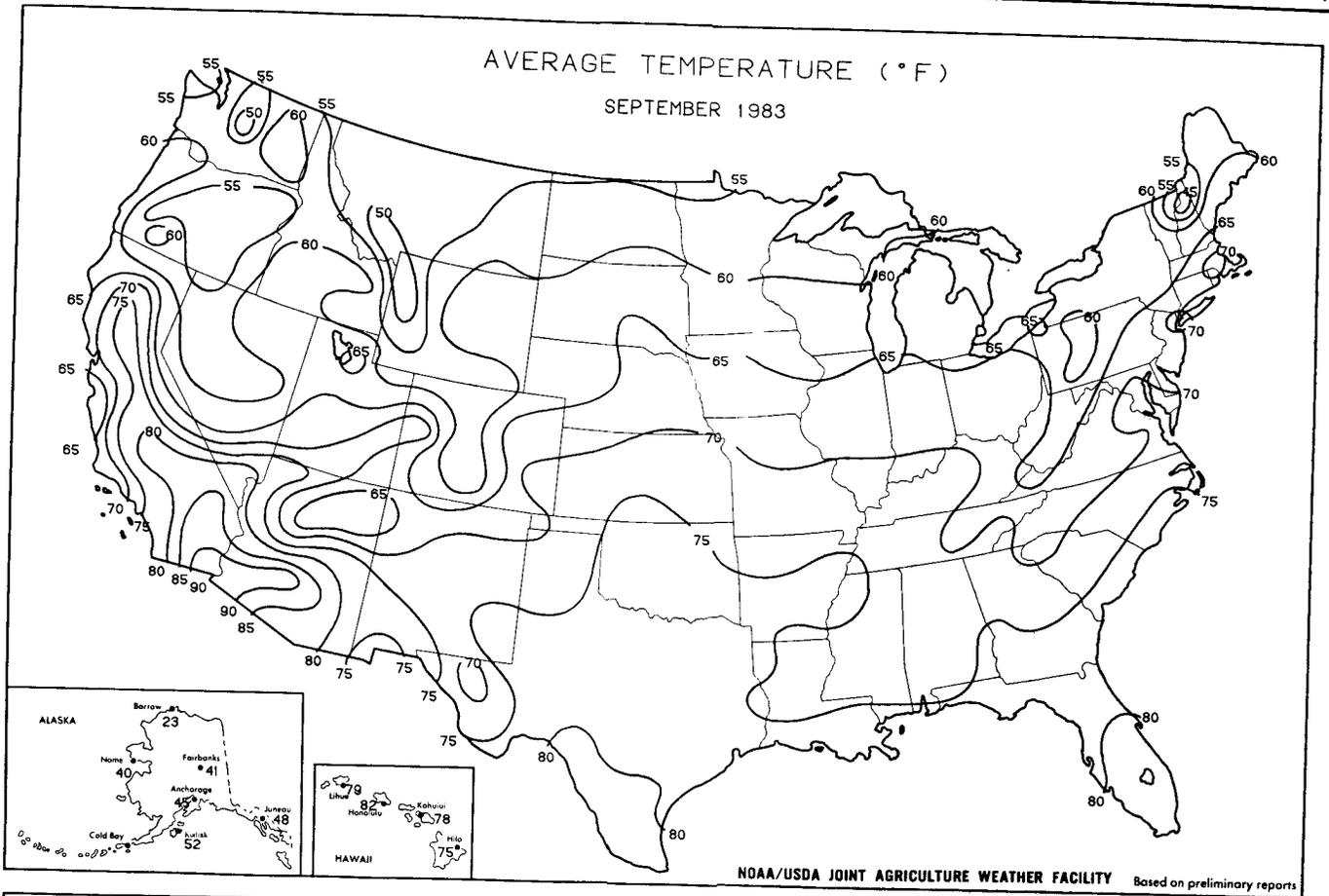
Cotton was in fair to poor condition. By October 2, bolls were opening on 69 percent of the acreage in the major producing States compared with 67 percent for both last year and the average. Harvesting was 12 percent finished, trailing the 16 percent average. Picking was active in all States, except California, New Mexico, and Oklahoma. Progress ranged from 2 percent complete in Arizona to 52 percent finished in Missouri.

Seventy-seven percent of the sorghum acreage was mature on October 2--the average is 69 percent. In Nebraska, 95 percent was mature, compared with an average of 60 percent. Harvesting was 41 percent complete in the major States, ahead of the average of 40 percent. Harvesting was active in all States. Losses were expected from the late-month freeze across the northern High Plains of Texas.

Rice was 59 percent harvested by October 2, behind the 63 percent average. Progress ranged from 7 percent finished in California to 100 percent in Texas.

(continued on p. 24)





Temperature and Precipitation Data for September 1983

States and Stations		Temperature °F		Precipitation Inches		States and Stations		Temperature °F		Precipitation Inches		States and Stations		Temperature °F		Precipitation Inches	
		Average	Departure	Total	Departure			Average	Departure	Total	Departure			Average	Departure	Total	Departure
AL	BIRMINGHAM	72	- 2	2.9	- 1.4	LA	BATON ROUGE	75	- 3	4.5	- .1	TOLEDO	64	1	1.4	- 1.1	
	MONTGOMERY	74	- 4	6.0	- .6		LAKE CHARLES	77	- 1	8.6	- 3.4	OK	64	2	4.0	- .9	
	MONTGOMERY	74	- 3	6.0	1.3		NEW ORLEANS	75	- 4	5.7	- .2		75	2	4.9	- 2.5	
AK	ANCHORAGE	45	- 3	2.3	- .2		SHREVEPORT	76	- 1	3.1	- .2	OR	77	- 3	2.1	- 2.3	
	BARROW	23	- 8	.9	.3	ME	CARIBOU	57	3	2.7	- .8		56	- 3	1.9	- 1.2	
	FAIRBANKS	41	- 4	.9	- .2		PORTLAND	63	4	1.4	- 1.9		54	- 6	.1	- .5	
	JUNEAU	--	--	--	--	MD	BALTIMORE	70	1	1.8	- 1.7		64	- 1	2.1	1.3	
	KODIAK	--	--	--	--	MA	BOSTON	71	6	1.1	- 2.3		59	- 5	.5	- .1	
	NOME	40	- 2	2.2	- .1		CHATHAM	66	4	.8	- 2.9		62	- 1	.4	- 1.2	
AZ	FLAGSTAFF	61	3	6.8	5.3	MI	ALPENA	60	3	3.5	.6	PA	60	- 2	.3	- 1.3	
	PHOENIX	91	6	2.4	1.8		DETROIT	64	1	2.5	.2		67	2	1.4	- 2.6	
	TUCSON	82	2	4.3	3.0		FLINT	65	4	4.1	1.7		66	- 1	1.4	- 2.2	
	WINSLOW	71	2	2.3	1.5		GRAND RAPIDS	62	0	4.9	1.8		69	1	3.5	.1	
	YUMA	91	4	.2	- .1		HOUGHTON LAKE	60	2	4.7	1.6		64	0	2.4	- .4	
AR	FORT SMITH	74	0	1.8	- 1.4		IANSING	62	1	3.7	1.2		65	2	2.1	- 1.3	
	LITTLE ROCK	75	1	.5	- 3.8		MARQUETTE	58	1	5.0	1.1	RI	70	6	2.2	- 1.3	
CA	BAKERSFIELD	80	3	.2	.1		MUSKOGON	63	2	7.5	4.6	SC	76	0	3.5	- 1.4	
	EUREKA	61	4	.9	.0		SAULT STE. MARIE	58	3	3.4	- .5		73	- 2	3.3	- .9	
	FRESNO	79	5	1.0	.8	MN	DULUTH	57	3	5.6	2.3		69	- 3	3.6	- .8	
	LOS ANGELES	72	2	1.9	1.7		INT'L FALLS	55	2	4.2	1.0	SD	61	1	1.6	.1	
	RED BLUFF	75	0	1.1	.6		MINNEAPOLIS	63	2	3.4	.9		63	2	2.6	1.2	
	SAN DIEGO	77	6	.2	.0		ROCHESTER	60	1	4.7	1.6		61	0	.3	- .7	
	SAN FRANCISCO	68	4	.6	.4		SAINT CLOUD	59	2	6.6	3.8		64	3	1.9	- .9	
	STOCKTON	76	3	1.8	1.6	MS	JACKSON	74	- 2	2.7	- .9	TN	71	- 1	1.1	- 3.2	
CO	DENVER	65	2	.1	- 1.1		MERIDIAN	72	- 4	3.5	- .1		70	- 2	.9	- 2.1	
	GRAND JUNCTION	71	4	1.1	.4	MO	COLUMBIA	69	1	3.2	- .4		75	1	1.5	- 2.1	
	PUEBLO	68	2	.2	- .6		KANSAS CITY	71	3	1.9	- 2.2		74	2	.4	- 3.3	
CT	BRIDGEPORT	67	1	2.2	- 1.1		SAINT LOUIS	72	2	1.2	- 1.5	TX	78	2	.9	- 2.2	
	HARTFORD	67	4	2.1	- 1.8		SPRINGFIELD	71	1	3.5	- .7		74	4	.4	- 1.3	
DC	WASHINGTON	73	2	2.9	- .3	MT	BILLINGS	59	0	2.2	.9		78	- 1	2.8	- .8	
FL	APALACHICOLA	77	- 2	6.9	- 1.8		GLASGOW	55	- 2	1.0	.1		77	- 2	11.9	5.8	
	DAYTONA BEACH	78	- 2	8.6	1.9		GREAT FALLS	54	- 3	1.9	.9		82	1	8.6	3.4	
	FORT MYERS	80	- 2	9.7	1.1		HAYVE	54	- 3	.8	- .1		79	- 3	7.1	.9	
	JACKSONVILLE	76	- 2	4.6	- 2.7		HELENA	53	- 3	1.6	.8		81	1	1.4	- 1.3	
	KEY WEST	83	0	2.2	- 4.3		KALISPELL	51	- 3	1.3	.2		79	5	1.5	.1	
	MIAMI	82	0	7.5	- .6		MILES CITY	58	- 2	1.4	.3		77	- 2	.2	- 3.1	
	ORLANDO	81	0	5.2	- .4	NE	GRAND ISLAND	68	4	2.7	- .2		79	- 1	11.6	5.8	
	TALLAHASSEE	76	- 2	4.4	- 2.1		LINCOLN	69	3	2.6	- .3		77	- 1	7.2	2.3	
	TAMPA	79	- 2	6.6	.4		NORFOLK	67	4	1.6	- .5		75	4	.4	1.7	
	WEST PALM BEACH	82	1	9.6	.3		NORTH PIATTE	65	3	.2	- 1.5		78	4	.6	- 1.5	
GA	ATLANTA	71	- 2	7.5	4.3		OMAHA	68	4	2.8	- .6		77	0	0	- 3.0	
	AUGUSTA	73	- 2	5.4	1.9		VALENTINE	63	1	1.7	- .7		78	- 1	3.9	.1	
	MACON	74	- 2	1.9	- 1.4	NV	ELY	59	2	.9	.2		78	- 2	4.8	- 1.4	
	SAVANNAH	76	- 1	3.4	- 1.8		LAS VEGAS	83	3	.5	.2		77	- 2	.7	- 2.5	
HI	HILO	75	- 1	12.1	5.5		RENO	63	3	.8	.5	UT	78	2	0	- 3.4	
	HONOLULU	87	1	1.1	.5		WINNEMUCCA	60	0	.6	.3		65	2	3.4	2.5	
	KAHULUI	78	- 1	.5	.1	NH	CONCORD	62	3	1.2	- 1.9		68	3	1.0	.1	
	LIHUE	79	0	1.8	- .5		ATLANTIC CITY	68	1	2.2	- .7	VT	63	4	3.8	.6	
	BOISE	61	- 2	.7	.1	NJ	TRENTON	--	--	--	--	VA	69	1	1.7	- 1.5	
ID	LEWISTON	60	- 4	.7	- .1		ALBUQUERQUE	73	4	.9	.0		73	1	4.5	.1	
	POCATELLO	60	1	1.7	1.0	NM	ROSWELL	--	--	--	--		69	- 1	3.1	- .4	
IL	CATRO	73	1	.8	- 2.7		ALBANY	63	2	2.3	- .9	WA	68	0	1.5	- 1.6	
	CHICAGO	64	- 1	5.4	2.0		BINGHAMTON	64	4	1.5	- 1.8		55	- 3	.7	- .2	
	MOLINE	66	1	5.3	1.6		BUFFALO	64	2	2.1	- 1.3		60	0	.3	- .3	
	PEORIA	68	2	5.1	1.5		NEW YORK	71	3	3.5	.0		54	- 3	5.7	.4	
	ROCKFORD	63	0	3.8	.1		ROCHESTER	64	2	1.6	- 1.1		58	- 2	1.9	- .1	
	SPRINGFIELD	69	1	1.4	- 1.7		SYRACUSE	63	1	3.0	- .3		57	- 2	.8	.1	
IN	EVANSVILLE	71	0	.8	- 1.9		ASHEVILLE	67	0	5.7	1.7		62	- 4	.9	.1	
	FORT WAYNE	68	3	1.3	- 1.2	NC	CHARLOTTE	71	- 1	.7	- 2.9		58	- 3	.3	.0	
	INDIANAPOLIS	69	2	1.3	- 1.4		GREENSBORO	69	- 1	2.7	- .9	WV	63	0	1.6	- 1.8	
	SOUTH BEND	67	3	2.8	- .4		HATTERAS	74	- 1	6.1	.6		68	0	1.3	- 1.7	
IA	WURLINGTON	--	--	--	--		RALEIGH	71	0	2.1	- 1.1		69	1	.6	- 2.5	
	DES MOINES	68	3	3.9	.8		WILMINGTON	75	0	5.6	- .1	WI	60	1	3.6	.4	
	DUBUQUE	63	1	3.5	- .6	ND	BISMARCK	56	- 1	1.0	- .4		63	1	4.9	1.4	
	SIOUX CITY	66	1	3.1	- .6		FARGO	57	- 1	1.6	- .3		60	0	2.8	- .3	
KS	CONCORDIA	70	2	1.7	- 1.3		WILLISTON	56	- 1	.5	- .9		63	1	2.8	- .1	
	DODGE CITY	74	5	2.6	.7	OH	AKRON-CANTON	66	2	2.7	- .3	WY	60	2	.2	- .6	
	GOODLAND	68	4	.4	- 1.0		CINCINNATI	67	- 1	1.2	- 1.7		59	1	.8	- .3	
	TOPEKA	72	3	2.2	- 1.3		CLEVELAND	65	1	2.8	- .1		61	3	.5	- .4	
	WICHITA	73	2	2.5	- 1.0		COLUMBUS	67	1	1.9	- .9		60	2	.9	- .3	
KY	LEXINGTON	70	1	1.3	- 2.0		DAYTON	66	- 2	.9	- 1.5	PR	84	2	2.8	- 3.2	
	LOUISVILLE	71	1	1.1	- 2.3												

Based on 1951-80 normals

Heating Degree Days (Base 65° F.)

September 1983

ALA. Birmingham . . . . .	24	MAINE, Caribou. . . . .	257	OKLA. Okla. City . . . . .	25
Mobile . . . . .	7	Portland . . . . .	139	Tulsa . . . . .	19
Montgomery . . . . .	8	MD. Baltimore . . . . .	70	OREG. Astoria . . . . .	249
ALASKA, Anchorage . . . . .	587	MASS. Boston . . . . .	42	Burns . . . . .	328
Barrow . . . . .	1224	Chatham . . . . .	56	Medford . . . . .	77
Fairbanks . . . . .	705	MICH. Alpena . . . . .	216	Pendleton . . . . .	180
Nome . . . . .	-	Detroit. . . . .	125	Portland . . . . .	109
ARIZ. Flagstaff . . . . .	133	Flint . . . . .	106	Salem . . . . .	135
Phoenix . . . . .	0	Grand Rapids . . . . .	149	PA. Allentown . . . . .	96
Tucson . . . . .	0	Houghton Lake . . . . .	209	Erie . . . . .	89
Winslow . . . . .	23	Lansing . . . . .	152	Harrisburg . . . . .	103
Yuma . . . . .	0	Marquette . . . . .	264	Philadelphia . . . . .	70
ARK. Fort Smith . . . . .	25	S. Ste. Marie . . . . .	236	Pittsburgh . . . . .	126
Little Rock . . . . .	22	MINN. Duluth . . . . .	285	Scranton . . . . .	119
CALIF. Bakersfield. . . . .	0	Internatl Falls . . . . .	320	R.I. Providence . . . . .	62
Eureka . . . . .	129	Minneapolis . . . . .	161	S.C. Charleston . . . . .	4
Fresno . . . . .	1	Rochester . . . . .	209	Columbia . . . . .	21
Los Angeles . . . . .	0	St. Cloud . . . . .	229	Greenville . . . . .	59
Red Bluff . . . . .	0	MISS. Jackson . . . . .	21	S. DAK. Aberdeen . . . . .	198
Stockton . . . . .	0	Meridian . . . . .	21	Huron . . . . .	166
San Diego . . . . .	0	MO. Columbia . . . . .	84	Rapid City . . . . .	216
San Francisco . . . . .	18	Kansas City . . . . .	57	Sioux Falls . . . . .	160
COLO. Denver. . . . .	87	St. Louis . . . . .	58	TENN. Chattanooga . . . . .	38
Grand Junction . . . . .	27	Springfield . . . . .	59	Knoxville . . . . .	51
Pueblo . . . . .	52	MONT. Billings . . . . .	234	Memphis . . . . .	27
CONN. Bridgeport . . . . .	73	Glasgow . . . . .	322	Nashville . . . . .	45
Hartford . . . . .	106	Great Falls . . . . .	355	TEX. Abilene . . . . .	9
D.C. Washington . . . . .	32	Havre . . . . .	347	Amarillo . . . . .	40
FLA. Apalachicola . . . . .	0	Helena . . . . .	351	Austin . . . . .	4
Ft. Myers . . . . .	0	Kalispell . . . . .	427	Beaumont . . . . .	1
Jacksonville . . . . .	0	Miles City . . . . .	264	Brownsville . . . . .	0
Key West . . . . .	0	Missoula . . . . .	413	Corpus Christi . . . . .	0
Miami . . . . .	0	NEBR. Grand Island. . . . .	89	Del Rio . . . . .	0
Orlando . . . . .	0	Lincoln . . . . .	75	El Paso . . . . .	0
W. Palm Beach . . . . .	0	Norfolk . . . . .	120	Fort Worth . . . . .	12
Tallahassee . . . . .	4	North Platte . . . . .	128	Galveston . . . . .	2
Tampa . . . . .	0	Omaha . . . . .	94	Houston . . . . .	6
GA. Atlanta . . . . .	23	Valentine . . . . .	168	Lubbock . . . . .	18
Augusta . . . . .	23	NEV. Ely . . . . .	180	Midland . . . . .	9
Macon . . . . .	14	Las Vegas . . . . .	0	San Angelo . . . . .	0
Savannah . . . . .	2	Reno . . . . .	104	San Antonio . . . . .	5
IDAHO, Boise . . . . .	145	Winnemucca . . . . .	156	Victoria . . . . .	3
Lewiston . . . . .	143	N.H. Concord . . . . .	167	Waco . . . . .	11
Pocatello . . . . .	163	N.J. Atlantic City. . . . .	94	Wichita Falls . . . . .	13
ILL. Cairo . . . . .	48	N. MEX. Albuquerque . . . . .	11	UTAH, Milford . . . . .	75
Chicago . . . . .	125	N.Y. Albany . . . . .	150	Salt Lake City . . . . .	46
Moline . . . . .	110	Binghamton . . . . .	130	VT. Burlington . . . . .	148
Peoria . . . . .	92	Buffalo . . . . .	125	VA. Lynchburg . . . . .	73
Rockford . . . . .	148	New York . . . . .	48	Norfolk . . . . .	27
Springfield. . . . .	75	Rochester . . . . .	121	Richmond . . . . .	86
IND. Evansville . . . . .	61	Syracuse . . . . .	140	Roanoke . . . . .	87
Fort Wayne . . . . .	78	N.C. Asheville . . . . .	84	WASH. Colville . . . . .	-
Indianapolis . . . . .	64	Charlotte . . . . .	44	Quillayute . . . . .	313
South Bend . . . . .	94	Greensboro . . . . .	74	Seattle-Tacoma . . . . .	196
IOWA, Des Moines . . . . .	96	Hatteras . . . . .	10	Spokane . . . . .	230
Dubuque . . . . .	144	Raleigh . . . . .	59	Walla Walla . . . . .	133
Souix City . . . . .	113	Wilmington . . . . .	12	Yakima . . . . .	206
KANS. Concordia . . . . .	77	N. DAK. Bismarck . . . . .	300	W. VA. Beckley . . . . .	138
Dodge City . . . . .	49	Fargo . . . . .	301	Charleston . . . . .	66
Goodland . . . . .	76	Williston . . . . .	300	Huntington . . . . .	67
Topeka . . . . .	56	OHIO. Akron-Canton. . . . .	103	WIS. Green Bay . . . . .	210
Wichita . . . . .	47	Cincinnati . . . . .	89	Madison . . . . .	194
KY. Lexington . . . . .	59	Cleveland . . . . .	116	Milwaukee . . . . .	148
Louisville . . . . .	54	Columbus . . . . .	83	WYO. Casper . . . . .	190
LA. Baton Rouge . . . . .	8	Dayton . . . . .	104	Cheyenne . . . . .	202
Lake Charles . . . . .	6	Toledo . . . . .	127	Lander . . . . .	159
New Orleans . . . . .	0	Youngstown . . . . .	143	Sheridan . . . . .	215
Shreveport . . . . .	15				

\*Based on 1951-80 Normals.

## National Agricultural Summary

October 3 to 9

**HIGHLIGHTS:** Rainfall on the Great Plains benefited newly-seeded winter wheat. However, additional precipitation is needed to relieve dryness and promote good stands in the central and southern Plains. Warm weather aided soybean maturity and increased pasture growth in the eastern half of the Nation. Farmers had 4 to 6 days suitable for fieldwork in all areas. Soil moisture was short to adequate, except in western Texas and the region from Tennessee to West Virginia where short to very short supplies were reported. Winter wheat seeding trailed normal because of dry soil conditions in some areas; 63% of the acreage had been planted. Corn 63% of the development and harvest was ahead of normal; 99% was mature and 42% had been harvested. Soybean harvesting gained momentum; 41% of the acreage was harvested and 82% was dropping leaves. The sorghum harvest was 56% complete, ahead of the average of 47%. Rice was 75% harvested, equal to both last year and the average. The cotton harvest advanced to 19% completion, 3 points behind average. Arizona producers began salvaging flood-damaged cotton. However, many fields were damaged or destroyed. Fall apple harvesting continued in full swing. Fall vegetable harvesting began to decline seasonally. Livestock producers continued culling herds.

**SMALL GRAINS:** In the 15 major producing States, 63% of the 1984 winter wheat crop was seeded, behind last year's 65% and the 69% average. Seeding was complete in South Dakota and neared completion in Nebraska. Kansas growers had seeded 65% of the intended acreage, 15 points behind normal. In Oklahoma, seeding was 65% finished, equaling the average, and Texas growers planted 43% compared with the average of 57%. Light rain improved the prospects for newly-seeded fields in Oklahoma and portions of northeastern Texas. However, dry conditions persisted across the rest of the central and southern Plains. Emergence was spotty in these areas. The crop had emerged on 34% of the acreage, 7 points behind normal. Emerged stands were rated mostly fair to good.

**CORN:** Ninety-nine percent of the corn reached maturity, 5 percentage points ahead of normal. Harvesting was 42% complete in the 17 major producing States, ahead of last year's 17% and the average of 23%. Combining was ahead of schedule in all 17 major States. Growers in the Southeast were 79% finished, 2 points ahead of the average. In the west north-central States, 50% was picked, compared with the normal of 21%. Producers in the eastern Corn Belt combined 32% of the crop, compared with 19% last year.

**SOYBEANS:** In the 18 major producing States, 82% of the soybeans were dropping leaves, and 41% had been harvested. A year earlier 78% was shedding leaves and 26% was combined. Combining was 23 percentage points ahead of normal in the eastern Corn Belt and 12 points ahead in the western Corn Belt. Harvesting was 3 points behind schedule in the Southeast and 2 points behind in the south-central region. Producers in Indiana combined 70% of their acreage, compared with 30% average. In Ohio, 55% was harvested, 25 points ahead of the average. The crop continued in mostly fair to poor condition. Continued dry weather in Kentucky caused some acreage to be cut for hay.

**COTTON:** In the 14 major producing States, bolls were opening on 81% of the acreage, compared with 75% for both last year and the average. Harvesting was 19% complete, only 3 points behind normal. Harvesting had just started in California, New Mexico, and Oklahoma. In other States, progress ranged from 13 to 67% completed. In Arizona, producers began salvaging flood damaged fields through portions of the southeastern and south-central farming areas. Many acres were washed away along the Santa Cruz and Gila Rivers. Picking was only 4% complete in that State, compared with the average of 10%. Defoliation was active in California and in the Texas Plains.

**SORGHUM:** Sorghum was 87% mature in the 7 major producing States, ahead of last year's 66% and the 81% average. Development was slower than normal in Texas but ahead in all other States. Harvesting was 56% complete, ahead of last year's 38% and the average of 47%. Harvesting lagged in Texas but was on schedule or ahead of schedule elsewhere. Progress ranged from 25% finished in Oklahoma to 71% complete in Texas.

**OTHER CROPS:** Rice was 75% harvested in the 5 major States, equal to both last year and the average. Harvesting was finished in Texas and reached 25% completion in California. Arkansas producers harvested 77% of their crop, 5 points ahead of normal.

Tobacco cutting neared completion in many areas. Growers actively cured, stipped, and marketed the crop. The plowing of stalks became more widespread.

Peanut digging gained momentum. Harvesting was 6% complete in North Carolina, 25% in Virginia, 23% in Texas, 75% in Alabama, and 81% finished in Georgia.

**VEGETABLES:** Fall vegetable harvests declined seasonally in northern areas. Maine potatoes were 95% harvested, while Idaho growers were 41% finished. Scattered showers slowed seeding and transplanting in Florida's vegetable growing areas. Light harvesting of sweet corn, cucumbers, eggplant, radishes, and squash continued. Fall planting was active in the Rio Grande Valley and San Antonio-Winter Garden areas of Texas. Mixed vegetable harvesting increased in the Salt River Valley of Arizona. California growers harvested a wide variety of vegetables. Lettuce harvesting was slowing in the Salinas-Watsonville area and began in the Huron area. Fall potato digging was in full swing in the Tulelake-Butte Valley. The market tomato harvest continued active, but processing tomato picking declined rapidly.

**FRUITS AND NUTS:** Fall apple picking continued in full swing in northern areas. Florida's citrus groves were in excellent condition. Moisture was adequate, and very little irrigation was needed. Early citrus picking increased. California growers harvested apples, avocados, table grapes, wine grapes, olives, grapefruit, lemons, Valencia oranges, almonds, pistachios, and walnuts. The raisin grape harvest was complete. Lemon harvesting increased in Arizona. Citrus groves were in good condition and the fruit was sizing normally.

**PASTURES AND RANGES:** Pasture and ranges were generally fair to poor. Supplemental feeding of livestock continued in most regions. Producers culled herds because of the lack of feed for this winter. Herd movement from summer grazing became more widespread.

CROP PROGRESS

FOR WEEK ENDING OCT 9, 1983

	WINTER WHEAT % PLANTED		
	1983	1982	AVG.
CALIF	1	3	3
COLO	92	93	93
IDAHO	76	77	68
ILL	40	42	42
IND	50	50	35
KANS	65	80	80
MO	40	26	35
MONT	80	65	75
NEBR	99	97	97
OHIO	50	50	50
OKLA	65	50	65
OREG	43	47	56
S DAK	100	96	99
TEX	43	51	57
WASH	81	77	74
15 STATES	63	65	69

	WINTER WHEAT % EMERGED		
	1983	1982	AVG.
CALIF	0	0	0
COLO	69	80	77
IDAHO	40	39	43
ILL	10	16	12
IND	20	20	10
KANS	30	45	40
MO	29	19	25
MONT	50	40	45
NEBR	90	85	85
OHIO	20	20	10
OKLA	25	20	30
OREG	14	17	25
S DAK	83	84	87
TEX	12	22	34
WASH	62	50	56
15 STATES	34	38	41

	COTTON % BOLLS OPENING		
	1983	1982	AVG.
ALA	93	92	81
ARIZ	92	98	96
ARK	99	97	86
CALIF	85	90	88
GA	83	83	87
LA	97	97	89
MISS	97	100	98
MO	100	100	100
N MEX	75	95	67
N C	99	99	91
OKLA	70	50	75
S C	100	93	93
TENN	99	94	71
TEX	71	60	62
14 STATES	81	75	75

	COTTON % HARVESTED		
	1983	1982	AVG.
ALA	24	28	31
ARIZ	4	7	10
ARK	45	49	30
CALIF	2	3	13
GA	13	20	36
LA	22	33	35
MISS	30	43	38
MO	67	50	38
N MEX	1	1	2
N C	33	30	26
OKLA	2	0	3
S C	39	30	35
TENN	50	54	26
TEX	19	18	20
14 STATES	19	21	22

THESE 15 STATES PRODUCED 80% OF THE 1982 WINTER WHEAT CROP.

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THESE 14 STATES PRODUCED 99% OF THE 1982 COTTON CROP.

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	SORGHUM % COLORING		
	1983	1982	AVG.
COLO	100	88	90
KANS	100	100	100
MO	100	100	100
NEBR	100	90	100
OKLA	100	99	100
S DAK	100	98	100
TEX	98	98	98
7 STATES	99	97	99

	SORGHUM % MATURE		
	1983	1982	AVG.
COLO	94	52	67
KANS	85	55	75
MO	92	76	81
NEBR	97	25	80
OKLA	85	70	80
S DAK	97	79	85
TEX	84	84	86
7 STATES	87	66	81

	SORGHUM % HARVESTED		
	1983	1982	AVG.
COLO	45	3	4
KANS	40	10	25
MO	63	40	41
NEBR	50	1	25
OKLA	25	15	25
S DAK	41	5	30
TEX	71	72	75
7 STATES	56	38	47

	RICE % HARVESTED		
	1983	1982	AVG.
ARK	77	78	72
CALIF	25	20	35
LA	94	95	95
MISS	78	77	78
TEX	100	100	100
5 STATES	75	75	75

THESE 7 STATES PRODUCED 90% OF THE 1982 SORGHUM CROP.

THESE 7 STATES PRODUCED 90% OF THE 1982 SORGHUM CROP.

THESE 7 STATES PRODUCED 90% OF THE 1982 SORGHUM CROP.

THESE 5 STATES PRODUCED 98% OF THE 1982 RICE CROP.

	SOYBEANS % DROPPING LEAVES		
	1983	1982	AVG.
ALA	47	58	63
ARK	48	49	47
GA	47	68	60
ILL	98	99	98
IND	100	98	95
IOWA	100	84	97
KANS	85	70	80
KY	67	57	67
LA	65	62	59
MICH	100	98	98
MINN	100	99	99
MISS	82	89	84
MO	88	65	67
NEBR	100	70	93
N C	27	28	21
OHIO	100	98	95
S C	29	37	38
TENN	73	73	59
18 STATES	82	78	79

	SOYBEANS % HARVESTED		
	1983	1982	AVG.
ALA	13	17	15
ARK	6	8	6
GA	3	7	7
ILL	78	73	64
IND	70	55	30
IOWA	65	14	47
KANS	35	10	25
KY	12	11	13
LA	16	21	23
MICH	30	25	13
MINN	41	14	38
MISS	12	17	16
MO	45	14	27
NEBR	50	7	50
N C	3	13	5
OHIO	55	45	30
S C	1	3	3
TENN	7	6	6
18 STATES	41	26	31

	CORN % MATURE		
	1983	1982	AVG.
COLO	82	67	71
GA	100	100	100
ILL	100	100	100
IND	99	99	95
IOWA	100	87	97
KANS	99	90	95
KY	92	98	96
MICH	95	95	88
MINN	98	86	92
MO	100	84	84
NEBR	100	60	90
N C	100	100	100
OHIO	98	98	90
PA	85	57	67
S DAK	100	98	100
VA	98	98	97
WIS	100	82	100
17 STATES	99	88	94

	CORN % HARVESTED		
	1983	1982	AVG.
COLO	12	4	8
GA	92	94	89
ILL	47	27	29
IND	30	20	20
IOWA	60	7	21
KANS	60	40	50
KY	46	42	44
MICH	10	5	7
MINN	37	3	9
MO	74	36	43
NEBR	40	3	20
N C	81	83	80
OHIO	25	20	15
PA	11	4	10
S DAK	30	2	21
VA	58	51	54
WIS	9	3	8
17 STATES	42	17	23

THESE 18 STATES PRODUCED 94% OF THE 1982 SOYBEAN CROP.

THESE 18 STATES PRODUCED 94% OF THE 1982 SOYBEAN CROP.

THESE 17 STATES PRODUCED 93% OF THE 1982 CORN CROP.

THESE 17 STATES PRODUCED 93% OF THE 1982 CORN CROP.

## State Summaries of Weather and Agriculture

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

**ALABAMA:** Temperatures 3 to 4° above normal. Rainfall 0 to 0.45 in.

Soil moisture very short to short. Fieldwork: 6.3 days. Corn harvested 86%, 1982 91%, average 81%. Soybeans: Turning yellow 77%, 1982 83%, average 84%; dropping leaves 47%, 1982 58%, average 63%; mature 35%, 1982 38%, average 44%; harvested 13%, 1982 17%, average 15%. Cotton: Bolls open 93%, 1982 92%, average 81%; harvested 24%, 1982 28%, average 31%. Peanuts: Dug 75%, 1982 96%, average 66%; combined 66%, 1982 91%, average 59%. Sorghum harvested 64%, 1982 72%. Activities: Harvesting corn, cotton, soybeans, sorghum, peanuts, hay and vegetables; pest control on field crops; land preparation and planting of fall-seeded crops; and routine care of livestock and poultry. Corn, soybeans, and cotton mostly fair condition; peanuts, sorghum, pasture and livestock fair.

**ARIZONA:** Scattered showers, thunderstorm's over State, amount under 1.00 in. except locally 1.50 to 2.50 in. southeast corner, White Mountains. Average temperatures normal to 6° below normal.

Cotton crop dealt disastrous blow as flood water from heavy rains raged through southeastern, south central farming areas. Areas hardest hit Santa Cruz River areas in Pinal, Pima Counties, Gila River Valley, Bonita Areas in Graham County. In these areas large acreages cotton washed away, many other acres flooded. Damage quite variable in cotton fields still standing for harvest. Some yields reduced, cotton locks lost from open bolls. Many fields, a quality loss due to stain, trash. Historically, about half State's American-Pima acreage, one-third State's Upland Cotton in these counties. Damage in Cochise County mostly from heavy rain, little flooding. A few fields flooded Maricopa County on Gila, Salt Rivers. Open bolls present 92% cotton acreage, 98% last year, average 96%; 4% harvested, 7% last year, average 10%. Most harvest in Yuma Area. Corn, sorghum extensive damage in Graham, Cochise Counties, some damage other areas. These crops average condition except where damage occurred. In Yuma area sorghum harvest continued, corn ready for harvest. Alfalfa harvest delayed by rains most areas. Some cut alfalfa lost, damaged. Lemon harvest increased Yuma, Maricopa. Grapefruit harvest increased Yuma. Picking expected to start Salt River Valley this week. Other citrus developing, sizing normally, groves good condition. Salt River Valley harvest mixed vegetables increasing, include greens, green onions. Honeydews, cantaloups being harvested Salt River Valley. Honeydews, cantaloups being harvested Parker area. Lettuce harvest began Willcox area. Some lettuce damaged or destroyed by flood waters in Willcox, Marana areas.

**ARKANSAS:** Another warm week, 7° above normal with nights near normal. High was 93° and low 40°. Rainfall mostly north with amounts mostly 1.00 in. to none. Highest 1.50 in.

Days suitable for fieldwork 6.7. Moisture very short. Crop progress slow. Cotton fair condition; open bolls 99%, 97% 1982, 86% average; harvested 45%, 49% 1982, 30% average. Rice good to fair; harvested 77%, 78% 1982, 72% average. Soybeans, non-irrigated mostly poor, irrigated good; yellowing 71%, 73% 1982, 69% average; shedding leaves 48%, 49% 1982, 47% average; harvested 6%, 8% 1982, 6% average. Corn harvested 91%, 96% 1982, 74% average. Sorghum harvested 83%, 95% 1982, 86% average. Wheat planted 9%, 14%

1982, 15% average. Pastures dried up. Farmers feeding hay. Livestock losing weight.

**CALIFORNIA:** Moisture from the remnants of Hurricane Priscilla plus upper level low pressure through produced large amounts of rain over southern portions of the State. South Coast had as much as 2.50 in., Desert Interior nearly 1.00 in. Cloudy skies produced weekly mean temperatures below normal over the Desert areas and southern half of the Sierra. South Coast generally well above normal temperatures, as was the North Coast.

Rice harvest into full swing, 25% harvested, ahead of 20% last year, well behind average 35%. Cotton 85% open bolls, year ago 90%, average 88%. Harvest begun southern Central Valley, 2% harvested, year ago 3%, average 13%. Defoliation active. Preparing winter grain fields. Winter wheat 1% seeded, 3% year ago and average. Dry bean harvest active. Corn harvest continues. Sugarbeet harvesting central valley. Final cutting alfalfa hay underway southern central valleys. Apple harvest active. Watsonville, Sebastopol below average. Raisin grape harvest complete. Avocado, table, wine grapes, olive, grapefruit, lemon, Valencia orange, almond, pistachio, and walnut harvests active. Coastal area grape growers concerned about bunch rot. Low yields on almonds, walnuts. Rains caused damage to plantings in Desert. Artichokes in light supply, quality good and appearance fair. Broccoli harvest continued Salinas-Watsonville, light supplies Santa Maria-Oceano, good quality. Brussels sprouts harvest increasing. Cantaloup harvest slowing San Joaquin Valley, Parris-Hemet areas. Fall melon plantings complete Blythe area. Carrot harvest curtailed due wet fields Salinas-Watsonville. Cauliflower light moderate supply wide range size quality. Celery harvest slow Salinas-Watsonville area quality variable. Harvest honeydews, mixed melons continue Sacrame Valley, lettuce harvest entering last big week in Salina-Watsonville. Supply moderate Santa Maria-Oceano area, weight, quality variable. Fall lettuce harvest begin Huron area. Fall planting complete Desert. Harvest white red potatoes continue Parris-Hemet, excellent quality. Harvest fall potatoes full swing Tulelake-Butte Valley. Market tomato harvest continues northern San Joaquin Valley, coastal districts. Harvest of processing tomatoes continues but winding down rapidly. New grass germinated result recent rains. More rain needed to keep grass growing. Supplemental feeding continues. Fall calving, lambing continues increase.

**COLORADO:** Seasonal weather dominated the week. West slope experienced general rain and snow at higher elevations. Eastern Plains remain mostly dry with some scattered showers early in the week, mostly in the northeast.

Winter wheat in good condition: 92% seeded, 93% last year and average; 69% emerged, 80% last year, 77% average. Corn in good condition: 82% mature, 67% last year, 71% average; 12% harvested, 4% last year, 8% average. Sorghum poor condition in southeast, good condition elsewhere: 100% turning color, 88% last year, 90% normal; 94% mature, 52% last year, 67% average; 45% harvested, 3% last year, 4% average. Barley in good condition: 99% harvested, 95% last year, 97% average. Spring wheat in very good condition: 95% harvested, 89% last year, 92% average. Statewide, 6.0 days suitable for fieldwork. Topsoil moisture

very short in southeast, adequate on west slope, short over remainder of State. Subsoil moisture short on eastern Plains, adequate elsewhere. Range and pasture condition poor in southeast, fair to good all other areas.

FLORIDA: Widely scattered showers, spotty thunderstorms predominated through the 7th. Weekend showers, thunderstorms became a little more heavier. Rainfall varied greatly with amounts of 1.00 to 2.00 in. over some central, northeast areas. Temperatures were above normal, daily highs averaged in the 80's, a few spots up to 90°

Soil moisture becoming short, parts of western Panhandle; continues short, eastern Panhandle. Weekend showers beneficial to many Peninsula areas where moisture had become short in some central higher ground areas. Earliest maturing soybeans being harvested. Cooler nights have helped slow spread of stem canker. Some late season soybeans in pod filling stage need additional rains, especially in Panhandle. Peanut harvest advancing rapidly. Small grain seeding underway; preparation of land for seeding grains and grazing crops continues. Seed corn planting continues active, south. Some late cuttings of hay being made. Pastures mostly good condition. Grasses continues to provide generally adequate grazing for cattle. Cattle remain in mostly good condition. A cool front moved through vegetable area early week. Rainfall mostly scattered showers. Seeding snap beans, carrots, sweet corn, cucumbers, escarole, lettuce, radishes, squash continues on schedule. Transplanting, cabbage, celery, eggplant, peppers, tomatoes continues at active pace. Crop condition mostly good. Harvest gaining, sweet corn, cucumbers, eggplant, radishes, squash. Good volume expected late October, early November most crops. Light harvest tomatoes expected this week. Seeding winter crop potatoes gaining southeast, getting underway southwest. Planting Dade County crop should begin two weeks. First harvest small watermelon crop expected late October. Citrus condition continues excellent. Adequate moisture, very little irrigation. New crop fruit harvest increasing on fresh fruit.

GEORGIA: Generally mild and rather dry. Rainfall around midweek averaged 0.25 to 0.50 in. Northern third, 0.10 to 0.25 in. elsewhere. Near normal temperatures. Continued mild weather weekend of 8th and 9th. Dry northwest, average rainfall near 0.10 in. elsewhere.

Soil moisture 9% very short, 55% short, 35% adequate. Average days suitable for fieldwork 5.7. Main activities harvesting corn, peanuts, apples, hay; small grain land preparation and planting. Cotton condition 6% very poor, 25% poor, 50% fair, 19% good; bolls open 83% this year and last, 87% average; 13% harvested, 20% last year, 36% average. Corn condition 5% very poor, 29% poor, 48% fair, 16% good; 92% harvested, 94% last year, 89% average. Peanut condition 5% very poor, 14% poor, 61% fair, 16% good, 4% excellent; 81% dug, 97% last year, 87% average; 66% threshed, 91% last year, 78% average. Soybean condition 2% very poor, 21% poor, 60% fair, 16% good; 47% dropping leaves, 68% last year, 60% average; 3% harvested, 7% last year and average. Apple condition 18% very poor, 14% poor, 59% fair, 5% good; 86% picked, 100% last year, 95% average. Pecan condition 3% very poor, 15% poor, 59% fair, 23% good; 1% harvested, 2% last year, 3% average. Wheat 11% planted, 7% last year, 12% average. Rye 28% planted, 26% last year, 21% average. Other small grains 18% planted this year, last year and average.

Hay 17% poor, 58% fair, 24% good. Pasture condition 13% poor, 57% fair, 29% good.

HAWAII: Weather generally favorable throughout Island Chain. Showers beneficial for crop progress in most agricultural sectors. In drier areas regular irrigation and spray programs were necessary for crop maintenance. Vegetable supplies adequate. Banana supplies increasing. Papaya production light. Sugar harvesting active. Pineapple harvesting slowed.

IDAHO: Most of the weather was confined to southern and central areas during the early part of the week, while a westerly flow over north brought scattered showers to that region during mid-week. Temperatures were running about seasonal for this time of year with most temperatures within a degree or two of normal. Extremes were Grangeville at minus 5° and Idaho Falls with plus 3°. Precipitation was much below normal in the north and above normal in the south. Malad and Grace received 1.79 in. and 1.57 in., respectively. Numerous other locations received between 0.25 and 0.75 in. of precipitation.

Farmers reported 5.7 days suitable for fieldwork. Winter wheat 76% seeded compared to 77% last year and 68% average. Emergence stood at 40% versus 39% a year ago and 43% average. Potatoes dug were 41% complete, ahead of 1982's 32% but trailing the average of 47%. Sugarbeets 14% harvested versus 8% last year and 6% average. Dry bean combining 85% finished compared to 64% last year. Onions moved to 90% harvested compared to 81% a year ago. Cattle and sheep were 39% and 47% removed from their summer ranges, respectively.

ILLINOIS: Temperatures 1° below normal to 5° above normal. Precipitation none to 3.58 in., heaviest amounts in southern areas.

Good to excellent harvest conditions. Soil moisture 57% short, 43% adequate. Days suitable fieldwork 6.3. Corn mature 100%, 1982 100%, average 100%; harvested 47%, 1982 27%, average 29%. Soybeans 98% shedding leaves, 1982 99%, average 98%; 78% harvested, 1982 73%, average 64%. Wheat 40% planted, 1982 42%, average 42%; emerged 10%, 1982 16%, average 12%. Sorghum harvested for grain 45%, 1982 43%, average 34%. Fall plowing 20% complete, 1982 14%, average 11%. Pasture condition 2% excellent, 18% good, 39% fair, 34% poor, 7% failure. Livestock condition good.

INDIANA: Temperatures 1 to 4° above normal in north and south, while central sections 5 to 7° above. Precipitation amounts ranged from 0.10 to 0.70 in. north, near 1.00 in. central and from 1.00 to over 3.00 in. in south. Evaporative losses were near 1.00 in.

Fieldwork averaged 5.5 days. Topsoil moisture short to adequate, subsoil moisture short. Corn 30% harvested, 1982 20%, average 20%. Corn moisture content 22%, 1982 23%. Corn 99% mature, 1982 99%, average 95%. Soybeans 70% combined, 1982 55%, average 30%. Soybean moisture content 13%, 1982 13%. Soybeans 100% dropping leaves, 1982 98%, average 95%. Wheat 50% seeded, 1982 50%, average 35%. Wheat 20% emerged, 1982 20%, average 10%. Wheatland 70% plowed, 1982 75%, average 70%. Tobacco 95% harvested, 1982 95%, average 98%. Silos 98% filled, 1982 95%, average 90%.

IOWA: Generally dry with seasonable temperatures. Coolest on the 6th with lows to 33° at Rock Rapids and Humboldt. Average daily evaporation from 0.13 to 0.23 in.

Days suitable 5.9. Corn harvested 60%, 7% last year, 21% normal. Soybeans mature 97%,

67% last year, 91% normal; harvested 65%, 14% last year, 47% normal. Fall plowing completed 18%, 6% last year, 5% normal. Fertilizer applied 16%, 0% last year, 0% normal. Topsoil moisture 32% short, 68% adequate. Subsoil moisture 49% short, 50% adequate, 1% surplus.

**KANSAS:** Temperatures averaged 59° northwest 66° southeast--normal south central, 1 to 2° above normal west and north central, 2 to 4° above normal east. Precipitation averaged little or none west, 0.25 in. east, few stations east central and south central 0.50 in.

Corn 99% mature, 90% last year, 95% average, 60% harvested, 40% last year; 50% average. Sorghum colored 100%, 100% 1982, 100% average, 85% mature, 55% last year, 75% average; 40% harvested, 10% last year, 25% average. Soybeans 85% dropped leaves, 70% last year, 80% average; 35% harvested, 10% last year, 25% average. Wheat 65% planted, 80% last year, 80% average; 30% emerged, 45% last year, 40% average. Winter barley 55% planted, 60% last year, 60% average. Dry conditions causing spotty wheat emergence and planting delays. Soil moisture short Statewide. Pastures and range generally very poor to fair. Supplemental feeding necessary most areas. Some culling of herds due to lack of feed for winter. Days suitable for fieldwork 6.5.

**KENTUCKY:** Rainy first of week, mild and dry end. Rainfall averaged from 0.25 to 1.00 in. Temperatures still few degrees above seasonable normals.

Soil moisture 51% critically short, 41% short, 8% adequate. Virtually all tobacco cut and housed. Variable curing. Burley 1% stripped, 3% year ago and average. Corn for grain harvest 46% complete, 42% last year, average 44%. Yields disappointing. Soybean harvest 12% complete, 11% last year, 13% average. Shedding leaves or beyond 67%, 57% year ago, 67% average. Some fields going to hay. Wheat seeding 14% complete, 18% last year, average 24%. Concerns about winter hay supplies.

**LOUISIANA:** Temperatures averaged 4 to 6° below normal. High 91°. Low 46°. Rainfall ranged 0.50 to 0.30 in. Statewide.

Soil moisture short north and central; short to adequate elsewhere. Days suitable 6.5. Corn harvest 94%, 99% 1982. Cotton open bolls 97%, 97% 1982; harvest 22%, 33% 1982, 35% average, condition fair. Rice ripe virtually complete, same as 1982. Harvested 94%, 95% 1982, 95% average. Sorghum ripe 99%, 98% 1982. Harvested 93%, 93% 1982 and 89% average. Soybeans leaves turning 87%, 83% 1982, 85% average; shedding 65%, 62% 1982, 59% average; harvested 16%, 21% 1982, 23% average. Condition fair. Sugarcane planted 94%, 87% 1982, 82% average. Harvested 1%, 4% 1982; condition good. Sweetpotato harvested 74%, 77% 1982, 76% average. Vegetables rated fair. Pecans rated fair to good; harvest 4%, 1% 1982. Hay final cutting 87%, 88% 1982. Wheat planted 15%, 3% 1982 and 25% average; emerged 6%, 1% 1982; condition fair to good. Pasture and livestock fair to good.

**MARYLAND AND DELAWARE:** Maryland: Only light showers fell throughout the State, enabling farmers to work almost 6.0 days harvesting corn, soybeans, apples, and sweetpotatoes, and cutting final hay acreage. Seeding of small grains also made rapid progress. By 9th, 95% of the corn was mature and 60% was harvested; last year, percentages were 95 and 45 respectively. Soybeans turned 90%; 75% last year. Soybeans shed 55%; 50% last year. Soybeans harvest 15%; last year 5%. Tobacco

harvest 85%, 100% last year. Apple picking 65% complete; 75% in 1982. Barley seeding 50% complete; 55% last year. Wheat seeded 20%; 15% last year. Rye seedings 40% complete this year and last. Fall oats 55% seeded; 35% last year.

Delaware: Above normal temperatures and little rainfall made 6.5 days available for fieldwork. Harvest of corn, apples and hay and seeding of small grains were the important activities. Grain corn harvest stood at 50% by week's end and compared with 60% last year. Soybeans 70% turned, 40% shed. Last year soybeans 95% turned, 60% shed. Soybean harvest just beginning; 5% harvested 1982. Apples picked 85%; last year 90%. Fourth cutting of alfalfa hay 85% cut, 95% in 1982. Barley, wheat and rye seeding 45%, 5%, 25% respectively. Last year 55%, 10%, 40%.

**MICHIGAN:** Temperature deviations ranged from 5° above normal in the southeast lower to 1° below normal in the west upper. The magnitude of the departures decreased as you went north. Moderate to heavy amounts of precipitation fell over the northern areas, but light over the southern portions.

Statewide 4.5 days were suitable for fieldwork. Dry beans 70% harvested, 90% last year, 79% average. Corn 95% mature, 96% last year, 88% average. Corn for grain harvest 10% complete, 5% last year, 7% average. Corn silage 80% harvested, 90% last year, 76% average. Soybeans dropping leaves 100% this year, 98% last year and 98% average. Soybeans 95% mature, 85% last year, 75% average. Harvested beans 30% this year, 25% last year and 13% average. Third cutting hay 90% baled, 90% last year, 81% average. Wheat 65% planted, 80% last year, 64% average. Harvesting of fall apples continues with size and color off from normal. Vegetable harvest winding down in most areas.

**MINNESOTA:** Temperatures averaged near normal for southeast and south central and 2 to 5° below normal elsewhere. High: 83°, low: 25°. Precipitation averaged 0.13 to 0.34 in. above normal for the northern third of the State and 0.26 to 0.49 in. below normal elsewhere. Greatest weekly total: 1.80 in.

Mostly dry conditions aided row crop harvest in southern portions, but clouds and drizzle kept farmers out of fields in the north. Days suitable for fieldwork averaged 4.1, but ranged from 1.7 northwest to 5.6 south central. Topsoil moisture: 4% short, 78% adequate, 18% surplus. Mature: Field corn 98%, 1982 86%, normal 92%; soybeans 98%, 1982 81%, normal 92%. Harvested: Field corn 37%, 1982 3%, normal 9%; soybeans 41%, 1982 14%, normal 38%; sunflowers 17%, 1982 5%, normal 33%; sugarbeets 41%, 1982 25%, normal 31%, potatoes 79%, 1982 73%, normal 78%.

**MISSISSIPPI:** Temperatures 1 to 3° above normal. Extremes 41 and 92°. Some scattered rainfall in northern area of State.

Soil moisture short. Fieldwork 6.4 days suitable, 3.4 1982, 5.0 average. Soybeans fair to poor; 82% shedding, 89% 1982, 84% average; 40% mature, 47% 1982; 12% harvested, 17% 1982, 16% average. Cotton fair, 97% open bolls, 100% 1982, 98% average; 30% harvested, 43% 1982, 38% average. Rice fair to good; 98% mature, 98% 1982; 78% harvested, 77% 1982, 78% average. Sorghum 78% harvested, 80% 1982, 75% average. Hay 94% harvested; sorghum silage 94%; peanuts 70%; sweetpotatoes 45% and corn 72% harvested. Winter wheat 15% seeded, 12% 1982, 25% average. Pecan crop fair to good. Pasture condition fair to poor.

MISSOURI: Temperatures averaged 2 to 6° above normal. Rainfall was nearly nonexistent over the northern half and averaged over 1.00 in. in the southern half. The west Plains and south central averaged over 3.50 in.

Days suitable for fieldwork: 5.8. Corn 74% harvested, 36% last year and 43% normal. Grain sorghum 92% mature, 76% last year and 81% normal. Sorghum 63% harvested, 40% last year and 41% normal. Soybeans 76% mature, 40% last year and 56% normal. Beans 45% harvested, 14% last year and 27% normal. Winter wheat seeding 40% completed, 26% last year and 35% normal. Plowing for spring crops 21% completed, 18% last year and 16% normal. Cotton 67% harvested, 50% last year, 38% normal. Pasture condition 3% good, 40% fair and 57% poor. Topsoil moisture supply 10% adequate and 90% short.

MONTANA: Mostly dry week. Few showers early in week over west, south central and southeast less than 0.50 in. Temperatures were about 2° below normal.

Soil moisture short north central, northwest and southeast. Days suitable fieldwork: 4.8. Corn silage and dry bean harvest virtually done. Potatoes 60%, sugarbeets 15% dug, both ahead of last year and average. Winter wheat seeded this year, last year, average, 80%, 65%, 75%. Emerged 50%, 40%, 45%. Germination generally fair to good. About 60% cattle and sheep moved from summer pastures, last year 40%, average 50%.

NEBRASKA: Mild week with scattered showers at beginning and end of week. Temperatures near normal. Rainfall average less than 1.00 in.

Corn harvest 40%, 3% last year and 20% average. Soybean 50% combined, 7% and 50%. Sorghum ripe 97%, 25% and 80%. Sorghum harvested 50%, 1% and 25%. Winter wheat mostly fair to good, a result of short soil moisture conditions. Poorest crop condition rating since October 10, 1980. Emerged 90%, 85% and 85%. Pasture and range feed mostly adequate to short. Topsoil moisture mostly adequate to short. Subsoil moisture mostly short to adequate. Days suitable 5.5.

NEVADA: Week started wet and ended on dry side. Low pressure system which produced widespread showers last week continued to midperiod. Drier air masses predominated remainder of week. Temperatures started cool with cloudy, rainy weather early but recovered by end of period. Average temperatures between 1 and 5° above normal all areas except south where temperatures remained below normal. Extremes: 85 and 26°.

Potato harvest resumed as fields dried out. Alfalfa seed and small grain harvests about complete. Cattle continue to be moved to winter pasture. Livestock good to excellent condition.

NEW ENGLAND: Precipitation ranged from 0.25 in. over central and southern New England to 1.25 in. over northern areas. Average temperatures ranged from 50° in northern Maine to the mid-60's along the southern coast.

Soil moisture levels and grazing availability adequate to short. Days suitable for fieldwork averaged 6.0 days. Maine potato harvest 95% complete, 85% last year. Rhode Island potato harvest complete. Field corn 70% chopped. Apples 65% picked. Cranberries 50% harvested.

NEW JERSEY: Temperatures averaged 5° above normal. Extremes were 34° on the 8th and 86° on the 5th. Weekly rainfall averaged 0.31 in. north, 0.21 in. central and 0.04 in. south.

The heaviest 24-hour total 0.55 in. on 5th to 6th. Estimated soil moisture, in percent of field capacity, averaged 89% north, 81% central and 65% south. Four inch soil temperatures averaged 59° north, 64° central and 66° south.

Fieldwork: 6.0 days suitable. Topsoil moisture short to adequate. Fall vegetable harvest nearing completion. Most apple varieties mature, harvest continues at rapid pace. Corn yields for grain vary widely, harvest just beginning. Soybean harvest has not started in most areas yet.

NEW MEXICO: Average temperatures 4 to 7° below normal southeast, near normal elsewhere. Minimum temperature 28°, northern mountains. Maximum temperature 92°, southeastern Plains. No measurable rain northeastern Plains, rainfall amounts rest of State ranged from 0.10 to 0.70 in.

Soil moisture short to adequate. Cotton fair to good; 75% open bolls, 95% last year, 67% average; 1% harvested, 1% last year, 2% average. Alfalfa good: south and east areas on 4th or 5th cutting, some 6th. Grain sorghum harvest picking up: Irrigated crop 10% harvested, dryland 5%. Irrigated wheat, barley good condition, planting winding down. Dryland wheat 30% planted. Green, red chile harvest continues. Mesilla Valley fall lettuce picking started. Pecans slightly behind. Fruit harvest continuing, smaller quantities, medium sizes. Peanut harvest underway on eastside. Ranges varied over State. Mostly poor to fair. Cattle, sheep good.

NEW YORK: Temperatures 4 to 10° above normal. Short rainy period.

Corn silage 61% harvested, 62% 1982, 58% average. Grain corn 6% done, 7% 1982, 6% average. Third cutting alfalfa 86% in, 74% 1982, 76% average. Winter wheat planting done, most wheat up. No widespread frost yet. Dry bean harvest well along. Good apple harvest progress. Potato, cabbage harvests active. Onion, snap bean harvests winding down.

NORTH CAROLINA: Temperatures normal in mountains, 1 to 2° above in Piedmont and 2 to 3° above normal in coastal Plain. Rainfall spotty and below normal.

Soil moisture: 20% very short, 66% short, 14% adequate. Days suitable for fieldwork: 6.1. Condition: Cotton 30% poor, 70% fair. Peanuts: 19% poor, 75% fair, 6% good. Soybeans: 37% poor, 55% fair, 8% good. Sorghum: 23% poor, 69% fair, 8% good. Apples: 6% poor, 50% fair, 44% good. Sweetpotatoes: 9% poor, 69% fair, 22% good. Phenological stages: Cotton opening bolls: 99%, 1982 99%, average 91%. Soybean leaf drop: 27%, 1982 28%, average 21%. Harvests: flue-tobacco: 99%, 100% 1982, average 100%. Corn for grain: 81%, 1982 83%, average 80%. Corn for silage: 97%, 1982 98%, average 98%. Apples: 68%, 1982 79%, average 76%. Burley tobacco 94%, 1982 97%, average 99%. Sorghum harvest: 39%, 1982 69%, average 57%. Sweetpotatoes: 28%, 1982 72%, average 60%. Peanuts dug: 6%, 1982 54%, average 46%. Peanuts threshed: 4%, 1982 33%, average 30%. Major farm activities: Corn for grain harvest and marketing, preparation of land for fall seeding and sowing small grains, harvesting burley tobacco, marketing flue tobacco, harvesting sweetpotatoes, hay cutting, plowing under tobacco stalks, apples harvesting, harvesting cotton, and marketing cattle.

NORTH DAKOTA: Rainfall last week below normal east central and southeast, near normal central and south central above normal elsewhere. The most rainfall reported 0.76 in. temperatures

below normal all districts. North central coolest average of 42°, south central warmest average of 49°. State high 71° 8th and the low 20° 8th.

Harvest of most row crops continued ahead of normal despite rain delays. Harvest of sunflower, soybeans, corn, flax and sugarbeets remained well ahead of normal while potato and dry bean harvests were near normal. The percent harvested compared to last year and average: Sunflower 26, 4, 17; corn grain 60, 12, 21; flax 92, 82, 79; soybeans 63, 38, 46; dry beans 80, 75, 85; potatoes 79, 82, 82; and sugarbeets 48, 26, 33. Topsoil moisture supplies normal, subsoil somewhat below average.

OHIO: Temperatures 2 to 4° above normal. Highs upper 60's to lower 70's, lows from upper 40's to lower 50's. Precipitation scattered, 0.20 to 2.67 in., most 1.00 in.

Harvesting with few problems. Soybean moisture too low. Winter wheat fair to good. Winter wheat planted 50%, 50% 1982, 50% average; emerged 20%, 20% 1982, 10% average. Soybeans dropping leaves 100%, 98% 1982, 95% average; mature 90%, 95% 1982, 80% average; harvested 55%, 45% 1982, 30% average. Corn mature 98%, 98% 1982, 90% average; harvested 25%, 20% 1982, 15% average. Days favorable 5.0. Pasture condition fair. Soil moisture 36% short, 59% adequate, 5% surplus.

OKLAHOMA: Average temperatures ranged from 1° below normal north central to 5° above normal east central. Precipitation averages ranged from 0.14 in. east central to 1.58 in. south central.

Growing crops benefited from late week showers in most areas of State. Wheat pasture prospects boosted by excellent growing conditions. Moisture should promote some development of late-maturing row crops. Pastures greening but still in fair condition. Wheat planted: 65%, 50% 1982, 65% average; emerged: 25%, 20% 1982, 30% average. Sorghum mature: 85%, 70% 1982 80% average; harvested: 25%, 15% 1982, 25% average. Cotton open bolls 70%, 50% 1982, 75% average; harvested 2%, 0% 1982, 3% average.

OREGON: A dry week. Broken by light showers at midweek west of Cascades. Less than 0.10 in. of precipitation. Additional precipitation in south and east over the weekend. Temperatures 1 to 2° below normal. Average lows of 40°. Average highs of 65°.

Winter wheat 43% seeded and 14% emerged compared with 47% seeded and 17% emerged last year. On average, 56% seeded and 25% emerged by this date. Ground preparation ongoing in areas where seeding has not yet begun. Late grain harvest virtually complete. Planting of fall grasses near completion; most fields germinated; some fields look very rough due to the dry fall. Harvest of late potatoes about two-thirds complete. Onion harvest nearing completion. Apple and pear harvest continues. Filbert harvest ahead of schedule, yields poor due to brown stain. Cranberry harvest progressing slowly because water is short. Sweet corn, cauliflower and cabbage harvest nearing completion. Harvest of carrots to begin in about a week. Soil moisture short to adequate. Range and pasture condition fair to good. Livestock condition good to excellent.

PENNSYLVANIA: Above normal temperatures beginning of the week and falling below normal latter part of week. Scattered frost in many northern counties. Temperature extremes 84 and 31°. Rainfall amounts light in eastern half of State with 0.50 to over 1.00 in. in western counties.

Days suitable: 5.0. Moisture short to adequate. Activities: Plowing; seeding barley and wheat; making hay; and harvesting corn for grain, corn silage, soybeans, potatoes, cabbage, and apples. Soybeans 24% harvested, last year 25%. Potatoes 86% harvested, last year 88%. Corn silage 82% harvested, same as last year. Corn for grain 85% mature and 11% harvested; last year 57% mature and 4% harvested; average 67% mature and 10% harvested. Fall plowing 83% complete; last year 88%; average 86%. Barley 88% planted, last year virtually complete. Wheat 71% planted, last year 67%. Harvest third crop alfalfa virtually complete, last year 92%. Fourth crop alfalfa 66% harvested, last year 44%. Quality of hay made good to fair. Feed from pastures below average to average.

PUERTO RICO:

Report not available

SOUTH CAROLINA: Temperatures near normal. Soil moisture short. Rainfall, scattered midweek and weekend.

Days for fieldwork: 6.0. Corn yields vary; 93% harvested, 97% last year, 91% average. Cotton 100% open bolls, 93% last year and average; 39% harvested, 30% last year, 35% average. Soybean leaves turning color at 53%, 73% last year, 68% average; 29% shedding leaves, 37% last year, 38% average; maturity at 5%, 11% year ago and 12% average; foliage feeding insects being controlled, condition poor to fair. Tobacco stalks 79% destroyed to prevent overwintering pests. Apples 84% harvested, 97% last season, 91% average. Livestock condition fair. Winter grazing 57% planted, 64% year ago, 49% average; 40% emerged, 39% last year, 31% average.

SOUTH DAKOTA: Average temperatures 1 to 6° below normal northern third, 0 to 2° above normal remainder of State. Extremes: 81 and 23°. Western half of State received greatest precipitation, generally 0.40 to 0.80 in. Isolated western areas received over 1.00 in. Eastern half rainfall 0.10 to 0.30 in.

Row crop harvest slowed just a little by intermittent showers. Some farmers waiting for lower grain moisture content before harvest. Winter grain stands mostly good Statewide. Farm activities included moving hay, fall tillage, and mending fences. Cattle being moved to PIK forage, stubble field or winter pasture. Hay supplies plentiful. Days suitable for fieldwork: 5.0. Sorghum coloring 100%, 1982 98%, average 100%. Sorghum mature 97%, 1982 79%, average 85%. Sorghum harvested 41%, 1982 5%, average 30%. Corn mature 100%, 1982 98%, average 100%. Corn harvested 30%, 1982 2%, average 21%. Winter wheat seeded 100%, 1982 96%, average 99%. Winter wheat emerged 83%, 1982 84%, average 87%.

TENNESSEE: Weather conditions were generally warm and dry. A cold front on 5th brought scattered showers. Amounts were generally 0.25 to 0.50 in. Temperature highs in the 80's and lows in upper 40's east to upper 50's west except for 4th and 5th when lows were in upper 50's to low 60's.

Corn mature 95%, 1982 95%, average 91%; harvested 48%, 1982 40%, average 36%. Cotton open bolls 99%, 1982 94%, average 71%; harvested 50%, 1982 54%, average 56%. Soybeans shedding leaves 73%, 1982 73%, average 59%; mature 25%, 1982 25%, average 25%; harvested 7%, 1982 6%, average 6%. Burley tobacco harvested 96%, 1982 100%, average 99%. Dark-fired tobacco harvested 92%, 1982 98%, average 94%. Dark air-cured tobacco harvested 95%, 1982, average 96%. Burley

stripped 6%, 1982 16%, average 21%. Wheat sown 14%, 1982 23%, average 38%. Soil moisture 4% adequate, 41% short, 55% critically short. Pastures 87% poor, 13% fair. Days available for fieldwork 5.7.

**TEXAS:** Cold front moved across State triggering showers, thunderstorms over parts of north central, west Texas. End of week, strong upper level disturbance west Texas, producing very heavy rains over west, north, central Texas. Temperatures averaged 3 to 5° above normal over State.

**Crops:** Widely scattered showers during week. Amounts generally light, brought little relief to drought stricken areas. Harvest of cotton, sorghum continued, planting of small grains continued to lag behind previous years. Cotton harvest continued, defoliation operations Plains increasing. Dryland yields continue to reflect effects of hot, dry weather. Irrigated fields shown significantly better yields, some losses expected northern High Plains as result of freeze late September. Weevil damage minimal, control activities constant throughout season. Current condition 60% of normal, unchanged from a year ago. About 3% excellent; 16% good; 65% fair; 16% poor. Sorghum harvest moving at a rapid pace, activity gaining momentum Plains. Harvest High Plains moving ahead of schedule, freezing temperatures have accelerated activity. Test weights light, overall yields expected to suffer from freeze damage. Dryland yields throughout State reduced by hot, dry conditions. Irrigated yields expected good, heads developed, filled well. By week's end condition was 60% of normal compared with 83% a year ago. Reported condition 3% excellent; 25% good; 51% fair; 20% poor; 1% failure. Corn harvest remained active, well ahead of previous years. Activity continues to build Plains. Harvest of high moisture corn complete High Plains. Small grain planting made some progress remains behind schedule. Light rain during week helpful, more significant rains needed to complete planting. Irrigated fields for grazing beginning to emerge. Peanut harvest continued in full swing. Yields good, some dryland yields reduced by extremely dry conditions. Sugarbeet harvest getting underway. Plants have developed well, good quality crop expected. Soybean harvest getting underway. Freezing temperatures northern High Plains have accelerated harvest. Low Plain harvest gaining momentum. Activity in northeast Texas, Coast expected into full swing by mid-October.

Cotton open bolls 71%, 60% 1982, 62% average; harvested 19%, 18% 1982, 20% average. Sorghum turning color 98%, 98% 1982, 98% average; mature 84%, 84% 1982, 86% average; harvested for grain 71%, 72% 1982, 75% average. Wheat planted all purposes 43%, 51% 1982, 57% average; emerged 12%, 22% 1982, 34% average. Corn harvested for grain 94%, 86% 1982, 82% average. Peanuts harvested 23%, 29% 1982, 37% average. Soybeans harvested 11%, 13% 1982, 15% average. Sugarbeets harvested 8%, 7% 1982, 5% average. Sunflowers harvested 27%, 37% 1982, 35% average. Oats planted for all purposes 36%, 33% 1982, 49% average.

**Commercial vegetables:** Rio Grande Valley, planting for fall progressing. Spring onion seeding, transplanting gaining momentum. Citrus fruit continues to size well, showing excellent quality. San Antonio-Winter Garden area, land preparation nearing completion. Planting getting underway. Conditions remain dry. East Texas, sweetpotato harvest active. Watermelon harvest winding down. Trans-Pecos region, bell peppers making excellent growth, harvest continues. Cabbage progressing nicely, heads sizing well.

**Pecans** continue to mature nuts hardening. South Texas some shocks splitting, harvest expected soon.

**Range and livestock:** Despite showers range, pasture condition made little improvement. Growth of grasses, weeds stalled by prolonged dryness, except eastern, coastal portions. Grazing limited, supplemental feeding gained momentum. Livestock condition good.

**UTAH:** Showers first part week left precipitation all reporting stations. Accumulations generally heavy. Maximum temperature 5° below normal; minimums averaged 3.5° above normal.

Fieldwork again limited to less than 5.0 days. Winter wheat seeding advanced only 3%. Hay and corn silage harvest at standstill with considerable damage from repeated storms. Potato and onion harvest also stymied. Apple picking 30% complete. Thirty percent of cattle and 53% of sheep moved from summer ranges. Livestock in excellent condition.

**VIRGINIA:** Temperatures averaged near normal ranging from 2° below normal at several places in the west and south to 5° above at Washington. Rainfall limited to scattered light showers late in week. Most reported a trace or none. Heaviest 0.85 in. at Kerr Dam on 6th and 7th. Temperatures near normal.

Scattered light showers were not enough to improve topsoil moisture which dropped to 79% short, 21% adequate. Days suitable for fieldwork held at 5.5. Harvest of corn for grain 58% complete, 51% in 1982, 54% average. Silage harvest 96% complete, 94% in 1982, 90% average. Soybean conditions improved but still poor. Harvest 4% complete compared with 6% in 1982, 4% average. Peanut condition improved still poor. Percent dug 25, 80% last year and 51% average. Combining 15% complete, 63% last year, 32% average. Tobacco harvest virtually complete all types except flue-cured, which was 96% pulled compared with 100% last year and average. Small grain seeding progress near normal; germination was below normal because of dry soil.

**WASHINGTON:** Another cool, dry week for State. High pressure centered in eastern Pacific extended into western Canada. Creating easterly offshore --wind flow over State for most of week. Weak frontal system crossed State on 3rd and 4th producing light rainfall west of Cascades and just trace amounts to east. Average temperatures slightly below normal east of mountains with many reports of minimums in mid and upper 20's.

Fall seeding of grains in full swing. Emerged fields look good due to favorable weather and soil moisture. Potato harvest continues with good quality and yields. Field corn harvesting continues and finished in areas. Most dry onions in storage and excellent quality. Baling fourth cutting alfalfa hay and cleaning out hop yards are other activities. Harvesting red delicious apples in full swing. Apples rapidly maturing in cooler weather. Harvest nearing completion some areas. Grape harvest continues at rapid pace. Westside, berry field renovation and canning raspberries continues. Strawberry growers applying herbicides. Sweet corn harvest in full swing. Fresh market carrot harvest 30% done Skagit County. Winter cauliflower continues good. Tomato harvesting finished, but late blight significantly affected crop. Eastside, pumpkins, winter squash, and onions still in good supply. Carrot harvesting not started yet Grant County. Livestock remain in good condition and being brought in from high

summer ranges to winter ranges. Special feeder sales schedule for end of October. Westside, pastures winding down. Fall pasture feeding continues. Winter wheat planted 81%, 77% 1982, average 74%; emerged 62%, 50% 1982, 56% average.

WEST VIRGINIA: Temperatures 1 to 4° above normal. Low 25°, high 88°. Rainfall well below normal. Range: none to 0.66 in. Soil moisture short to very short. Days worked averaged 5.2. Main activities: maintenance, corn harvesting, fall planting, hay harvesting. Fall planting: Wheat 74%, barley 67% completed; 45% and 54% in 1982. Corn reported in 9% dough stage, 47% mature, 44% harvested; 6%, 58% and 36% in 1982. Tobacco: 100% harvested at 76% of normal, 100% and 97% in 1982. Pasture reported in poor to fair condition. Hay reported in fair to poor condition. Third cutting 80% complete at 66% of normal. Apples in fair condition.

WISCONSIN: Showers fell on 3rd through 5th. Temperatures ranged from 50's to 70's. Sunny skies and pleasant temperatures on 6th turned to rain on 7th with cooler temperatures in the north and warmer readings in the south. Fall like weather during weekend, heavy frost on morning of 9th in northwest areas. Highest temperatures on 3rd at 78° in windpoint and Cedarburg and lowest reading at 31° on morning of 9th in Madison, Eau Claire and Wausau.

Days suitable for fieldwork: 4.0. Soil moisture adequate. Corn 9% harvested, 3% last year, average 8%. Virtually all corn mature; last year at this time there was 18% of the crop left to mature. Silo filling 61% complete, last year 40%, average 70%. Soybean harvest 13% complete, 12% last year, 10% average. Fall plowing done where fields permitted. Complete, 19%, last year 11%, average 14%. Pasture condition 89%.

WYOMING: Temperatures below normal northeast and north central portions. Elsewhere readings near or slightly above normal. Precipitation well above normal across northern half. Below normal moisture elsewhere.

Topsoil moisture adequate 69% State. Days suitable for fieldwork: 6.0. Winter wheat in mostly fair condition; 80% emerged. Normally 85% emerged. Sugarbeets: 15% harvested; sugar content 14.8%. Potato digging progressing, 80% harvested. Normally 75% dug. Corn for grain 10% harvested. Normally 20% harvested. Cutting corn for silage 95% completed. Dry beans: all windrowed; 95% combined. Normally 85% combined. Fall, winter grazing prospects fair to good. Livestock being moved from summer ranges. Other activities include weaning, pregnancy testing, wrap-up hay harvest. Stock water supplies adequate.

(continued from p. 11)

#### Winter Wheat Seeding

Winter wheat seeding for 1984 harvest advanced to 48 percent completion by October 2, compared with the 55 percent average. Seeding was underway in all States except California, where the crop is normally seeded later. Conditions were favorable for germination in all areas except in parts of the central and southern Plains where growers delayed seeding as they waited for improved soil moisture. The crop had emerged on 21 percent of the acreage, 6 percentage points behind normal.

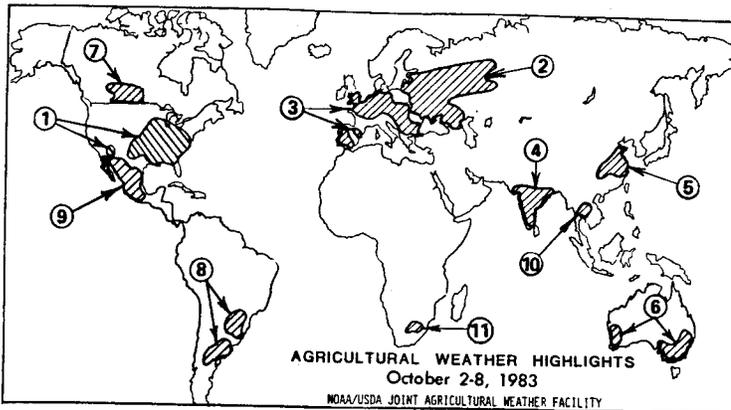
At the end of September, planting was underway in most areas of Kansas. However, progress was running 20 percentage points behind normal. Producers had seeded only 45 percent of the acreage by October 2. Moisture was short in most localities and stands had emerged on only 15 percent of the acreage, compared with 25 percent for both last year and the average.

Minimal amounts of rain fell during September in Texas, except along the coast. Seeding activities were slowed because of dry soil conditions but producers in some areas did dust wheat in. Seeding was 31 percent complete by October 2, compared with 39 percent last year and 46 percent average. Early-seeded fields need moisture to establish stands. Only 5 percent of the crop had emerged compared with the average of 22 percent. In Oklahoma, plantings reached the half-way mark, the same as the average. However, dry conditions held emergence to 10 percent, half the normal pace.

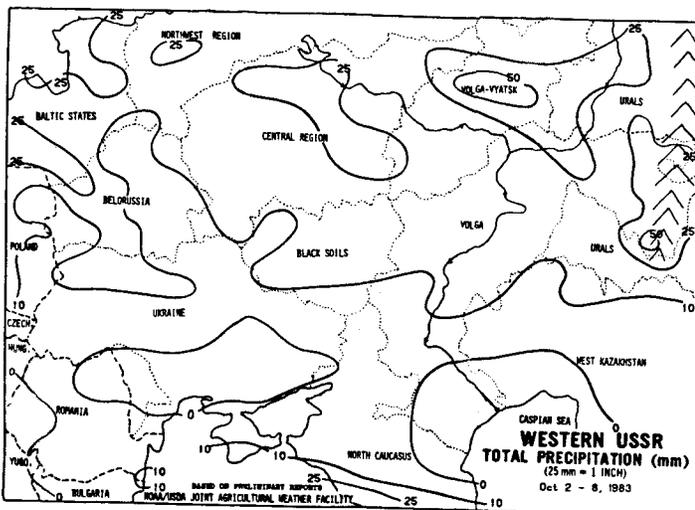
Nebraska producers had seeded 95 percent of the 1984 crop, 5 points ahead of the average. In South Dakota, growers planted 95 percent of the acreage, equal to the average. Stands had emerged on 75 percent of the acreage. Because of the early harvest of soybeans across the Corn Belt, wheat seeding was ahead of schedule, except in Illinois where progress trailed the average by 6 points. Progress in Montana was 5 percentage points ahead of normal at the end of September with seeding 65 percent finished. Germination was fair to good. Thirty percent of the acreage had emerged, compared with 10 percent for both last year and the average.

# International Weather and Crop Summary

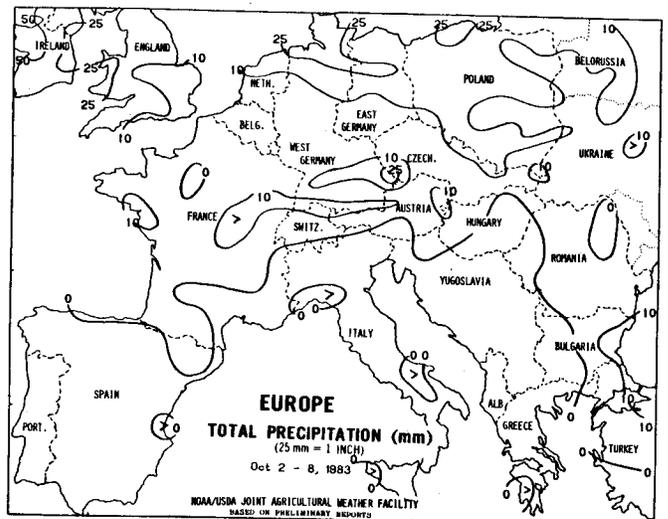
October 2 to 8



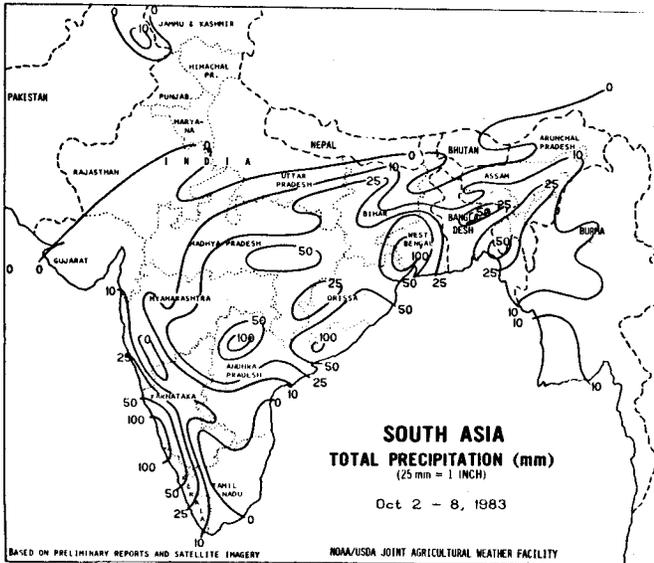
1. UNITED STATES ... Mostly sunny, good drying weather favors rapid harvesting over the Southeast and much of the Corn Belt. In the southern Plains wheatlands, the eastern portion receives beneficial, heavy rains while the western part gets only light amounts. Rains continue to damage cotton and flood lowlands over south central and southeastern Arizona.
2. WESTERN USSR ... Unfavorably dry conditions continue to cover major winter wheat producing areas in the south and southeast. Conditions are generally favorable for winter grains across much of the north.
3. EUROPE ... Soil moisture is generally adequate for winter grain planting, except in Hungary where conditions are unfavorably dry. Farmers in the Iberian Peninsula await the onset of the rainy season to begin winter grain planting.
4. SOUTH ASIA ... Two tropical storms replace monsoon rains in central India, favoring winter rice in the filling stage. Dry weather favors maturing cotton and groundnuts but adequate soil moisture exists for late maturing crops.
5. EASTERN ASIA ... Heavy rain likely damages cotton, corn, and soybeans in the Yangtze Valley. Favorable planting moisture exists for southern winter wheat but northern areas are too dry.
6. AUSTRALIA ... Rain aids grain development over northern New South Wales while generally dry weather favors wheat growth in the south; moisture is needed in western crop areas.
7. CANADA ... Mostly dry weather over Alberta and western Saskatchewan aids late crop harvesting while showers in the east aid autumn fieldwork.
8. SOUTH AMERICA ... Substantial rain covers eastern wheat area of Buenos Aires but dry and hot weather in northern and western sections is unfavorable for wheat entering the reproductive cycle. Dry weather aids wheat maturity and early harvest in the south. Showers moisten topsoils in advance of soybean planting in Parana.
9. MEXICO ... Heavy rains over the northwestern mountains help replenish irrigation supplies and rangeland vegetation. Dryness over most other major agricultural areas favors harvesting, but stresses late, immature crops.
10. SOUTHEAST ASIA ... Tropical storms bring moderate to heavy rain to eastern Indochina. Maturing rice in central Thailand benefits from mostly dry weather.
11. SOUTH AFRICA ... Planting moisture arrives in the eastern Maize Triangle. However, more rain is needed for early establishment.



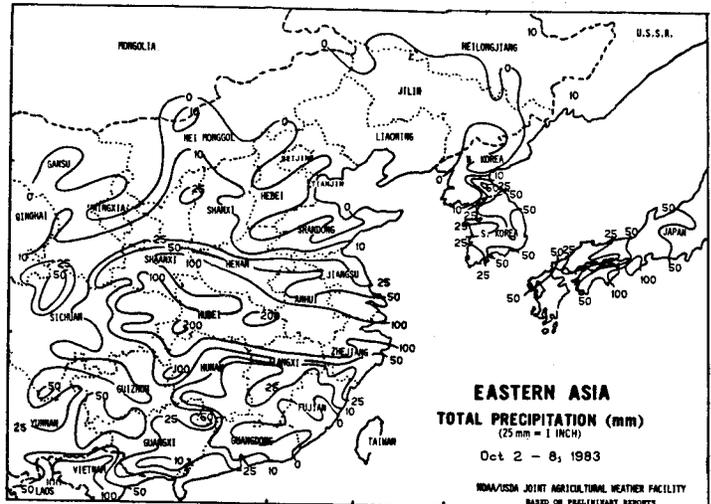
**WESTERN USSR...** Generally dry weather continued to cover major winter wheat producing areas of the southern and eastern Ukraine, the southern Black Soils, the southern Volga Valley, and the North Caucasus, creating poor conditions for emergence and early plant establishment. Showers and mild weather are needed to ensure that the winter grain crop becomes well established before entering dormancy. The dry weather in these areas allowed the continued harvesting of corn, sunflowers, and sugarbeets. Reports indicate that the sunflower harvest is about 80 percent complete while much of the corn for grain remains to be harvested in October. Elsewhere, most crop areas across the northern half of the region received beneficial precipitation and winter crops should be in good condition.



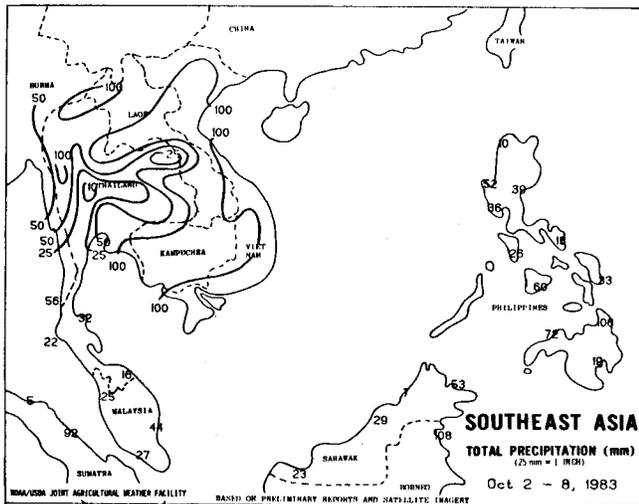
**EUROPE...** High pressure dominated most of the region during the week, keeping most crop areas unseasonably warm and dry. However, some significant showers penetrated northern crop areas where topsoil moisture is adequate for winter grain planting. The dry weather benefited corn harvesting in southern France and much of southeast Europe. Much of the Iberian Peninsula was dry and fieldwork in preparation for winter grain planting awaits the onset of the rainy season, which normally begins in late September. Continued dryness over Hungary is prompting some concern as topsoil moisture is inadequate for winter grain emergence. Topsoil moisture is favorable for winter grain planting across much of Yugoslavia, Romania, and Bulgaria.



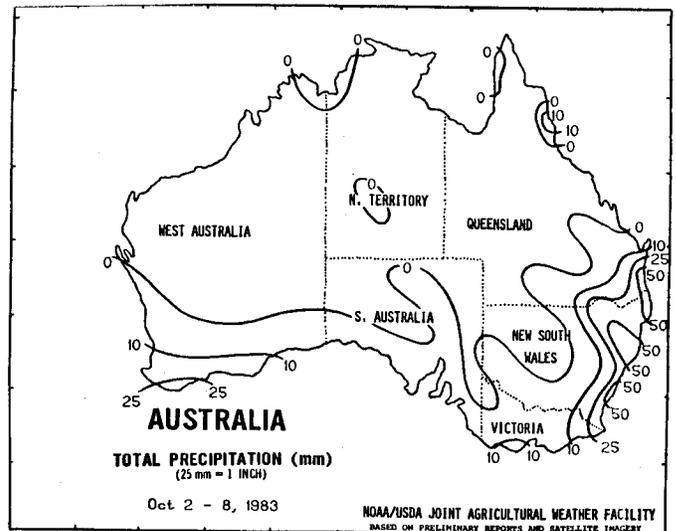
**SOUTH ASIA...** Monsoon rains were disrupted this week as a tropical storm developed and crossed central India from Orissa to Gujarat. Precipitation was mostly moderate (25-50 mm), however, locally heavy rain fell in northern Andhra Pradesh. The moisture benefited rice areas where winter rice is in the filling stage. Later in the week a second storm developed and entered West Bengal with heavy rain and localized crop damage. Dry weather in western and southeastern India was favorable for maturing cotton and groundnuts. However, the dryness in the southeast has persisted for three weeks and late maturing crops are now being stressed. Temperatures were above normal in the north and near normal in peninsular India.



**EASTERN ASIA...** Heavy rain returned to central China this week inundating a band from Anhui to Sichuan. Extremely heavy precipitation in Hubei (as great as 200 mm) likely damaged cotton, corn, and soybeans awaiting harvest. Scattered, light precipitation slightly aided late double-cropped rice in the filling stage. Temperatures remained warm in the south, favoring the later-than-normal rice crops. Winter wheat planting is underway in China and moisture conditions are favorable in southern areas. Dry weather in the north allowed planting in Shandong, where some rain has fallen, but persistent dryness in Hebei is likely delaying planting progress. Dry weather in the northeast continued to favor the corn and soybean harvest.

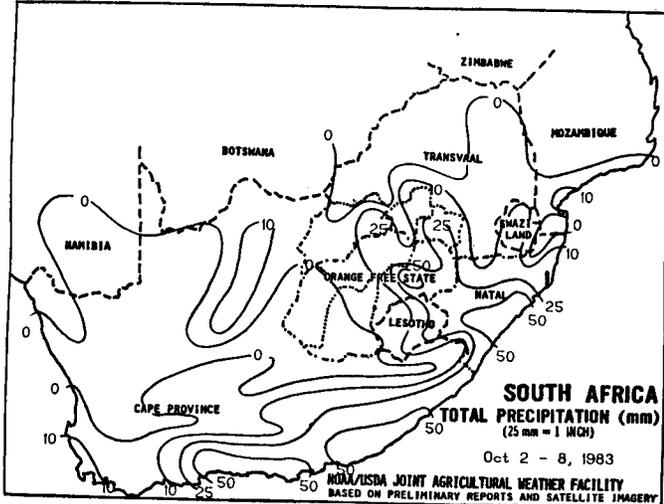


**SOUTHEAST ASIA...** Two tropical storms supplied Indochina with heavy precipitation this week. The first storm entered North Vietnam with moderate to heavy rain extending into northern Thailand. Near the end of the week another storm moved into South Vietnam bringing heavy rain to Kampuchea and southeast Thailand. Interior Thailand remained relatively dry this week, favoring maturing rice crops. Scattered rain continued in the Philippines this week. Beneficial, but below-normal precipitation fell in Central Luzon where rice is in the filling stage.



**AUSTRALIA...** Substantial showers produced from 10 to 40 mm of rain in northern New South Wales and southeastern Queensland causing some localized flooding along the coast. The rain likely enhanced crop yield prospects in that area, however, as wheat advanced through the reproductive phase and into grain formation. Light showers (less than 5 mm) fell over crop areas of southern New South Wales, Victoria, and South Australia. Crop conditions are rated mostly good in these areas. Weekly temperatures were slightly below average in the south, where the wheat crop should advance from late vegetative growth into reproductive development during the next 2-4 weeks. Dry weather in Victoria was

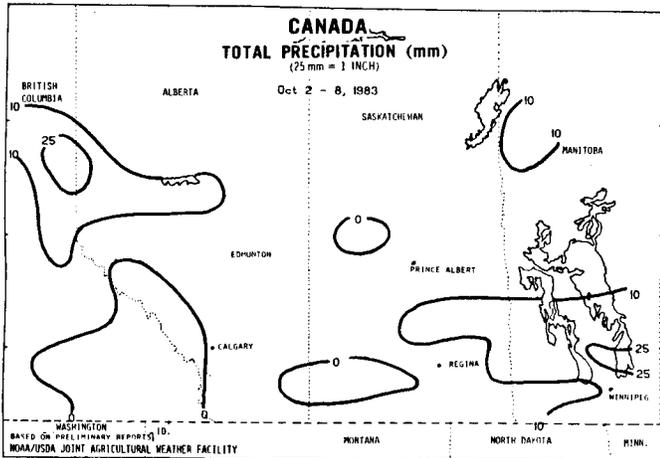
favorable for arresting or slowing the impact of stripe rust which reportedly has infected some of the wheat crop. In Western Australia, significant moisture was confined to the extreme southern wheat area. The western wheat crop would benefit from additional rain in upcoming weeks to ensure good yields.



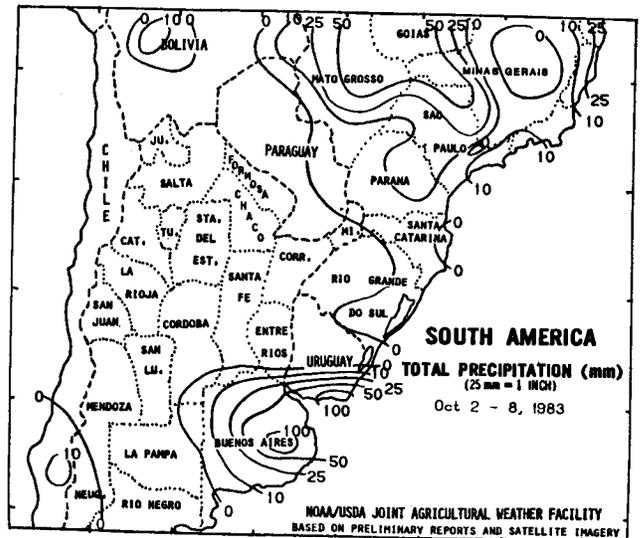
**SOUTH AFRICA...**The first significant precipitation of the season fell in parts of the Maize Triangle this week. Moderate rain (25-50 mm) in the eastern Orange Free State and the southern Transvaal allowed planting to begin during this optimum planting month. Further west, planting may occur later because of the longer planting season. Continued rains are essential to relieve the extremely dry conditions caused by the poor wet season last year.



**MEXICO...**Unusually heavy rains continued over the upper northwestern mountains and watersheds, increasing reservoir water levels and rangeland vegetation, but causing harvest interference and localized flooding. Rainfall became light further south, but still increased irrigation supplies for west coast fall and winter vegetables. The remainder of the major agricultural areas was mostly dry, including the southern Plateau corn belt which probably has some late crops that are not quite mature. Dry weather over the northeastern and east-central coastal regions favored the beginning harvest of sugarcane and citrus which had been generally stressed by dryness throughout the summer.



**CANADA...**Mostly dry weather over Alberta and western Saskatchewan aided late harvesting of grains and oilseeds. Showers over crop areas of east-central Saskatchewan and Manitoba moistened soils following the completion of crop harvesting in most areas. The moisture was beneficial for planting winter cover crops. To briefly summarize the 1983 growing season, planting was slowed by a cool, wet spring in the Prairies but the moisture aided vegetative growth of the summer crops. Crop conditions were adversely affected by an extended spell of hot, dry weather during the latter half of the growing season. During the harvest season, wet weather and frost episodes lowered the quality of unharvested crops, especially in northern crop areas. Thus, the weather during the 1983 growing season exhibited a tendency toward extremes, resulting in some reduction of crop yield potential. Weekly summaries will be discontinued until the spring planting season.



**SOUTH AMERICA...**Substantial rain fell over eastern Buenos Aires for the second consecutive week, causing some localized flooding but mostly aiding wheat growth. However, western and northern wheat areas were dry, and very warm weather covered these crop areas during the latter half of the week. Weekly temperatures averaged 4-8°C above normal, significantly increasing the evapotranspiration rate of the wheat crop as it enters the crucial reproductive phase of development. Moisture will be needed to aid crop development in these areas in upcoming weeks. In Brazil, mostly dry weather covered most wheat areas aiding the maturing crop and favoring early harvesting in the south. Some showers fell over Parana and Sao Paulo, but heavy rain was confined to extreme northern areas including Mato Grosso, Goias, and northern Sao Paulo. Land is being prepared for soybean planting which is getting underway.

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The Weekly Weather and Crop Bulletin (ISSN 0043-1974) is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Weather Chronicle. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53d Congress, 3d Session. NOAA is responsible for managing, printing, and distributing the Bulletin. The contents may be reprinted freely, with proper credit.

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