

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

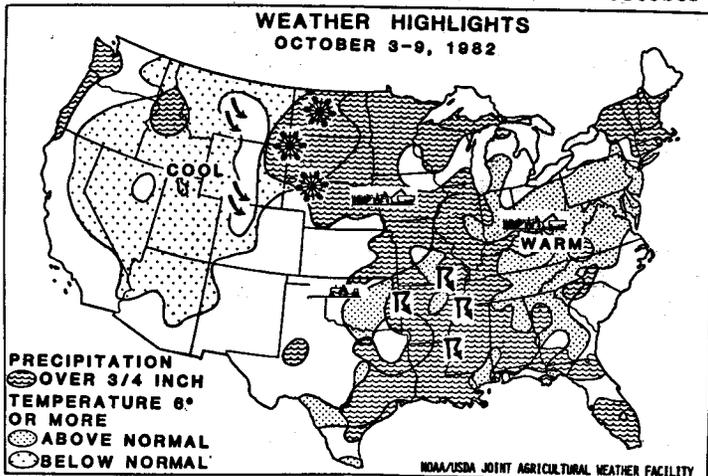
Volume 69, No. 41

WASHINGTON, D.C.

Oct. 13, 1982

National Weather Summary

October 3 - 9



HIGHLIGHTS: Cool nights and warm days dominated the western Corn Belt most of the week, allowing late corn and soybeans to advance toward maturity. Late in the week, a cold outbreak spread freezing temperatures across the northern Plains and over the High Plains into Nebraska. Snow was heavy in the central and northern Rockies and over the central and northern High Plains. Precipitation accumulated heavy amounts in the northern Plains and the Mississippi River Valley. Isolated showers helped the winter wheat areas of the central and southern Plains but more is needed. On the average, temperatures were warm in the East and cool in the West.

SUNDAY . . . Precipitation was scarce over the Nation. Some light to moderate showers fell behind a cold front near the central Mississippi River Valley. A few afternoon showers popped up along the southeastern gulf coast, and light rain spread over the Pacific Northwest. Freezing temperatures moved over the northern and central Rockies, and readings in the thirties covered the northern Plains. By afternoon, temperatures rose into the seventies through the central and northern Plains and the Midwest.

MONDAY . . . Low temperatures remained in the forties and fifties in the central and northern Plains and western Corn Belt and rose to the high seventies over the corn areas. Light showers of rain or snow continued in the Northwest. A few showers fell in central Iowa and parts of Missouri. Light showers continued along the eastern gulf coast and the southeastern Atlantic coast. Widely scattered showers fell in Virginia and North Carolina.

TUESDAY . . . Freezing temperatures were reported in the northern Rockies and central Plateau, parts of North Dakota, and in northern New England. High

temperatures were in the eighties as far north as Nebraska, pushing late corn and soybeans toward maturity. Precipitation spread from the northern Rockies over the northern Plains to the western Great Lakes and south to Nebraska and Iowa. Snow covered the ground in parts of North Dakota. Showers and thunderstorms developed along the entire gulf coast and the southeastern Atlantic coast.

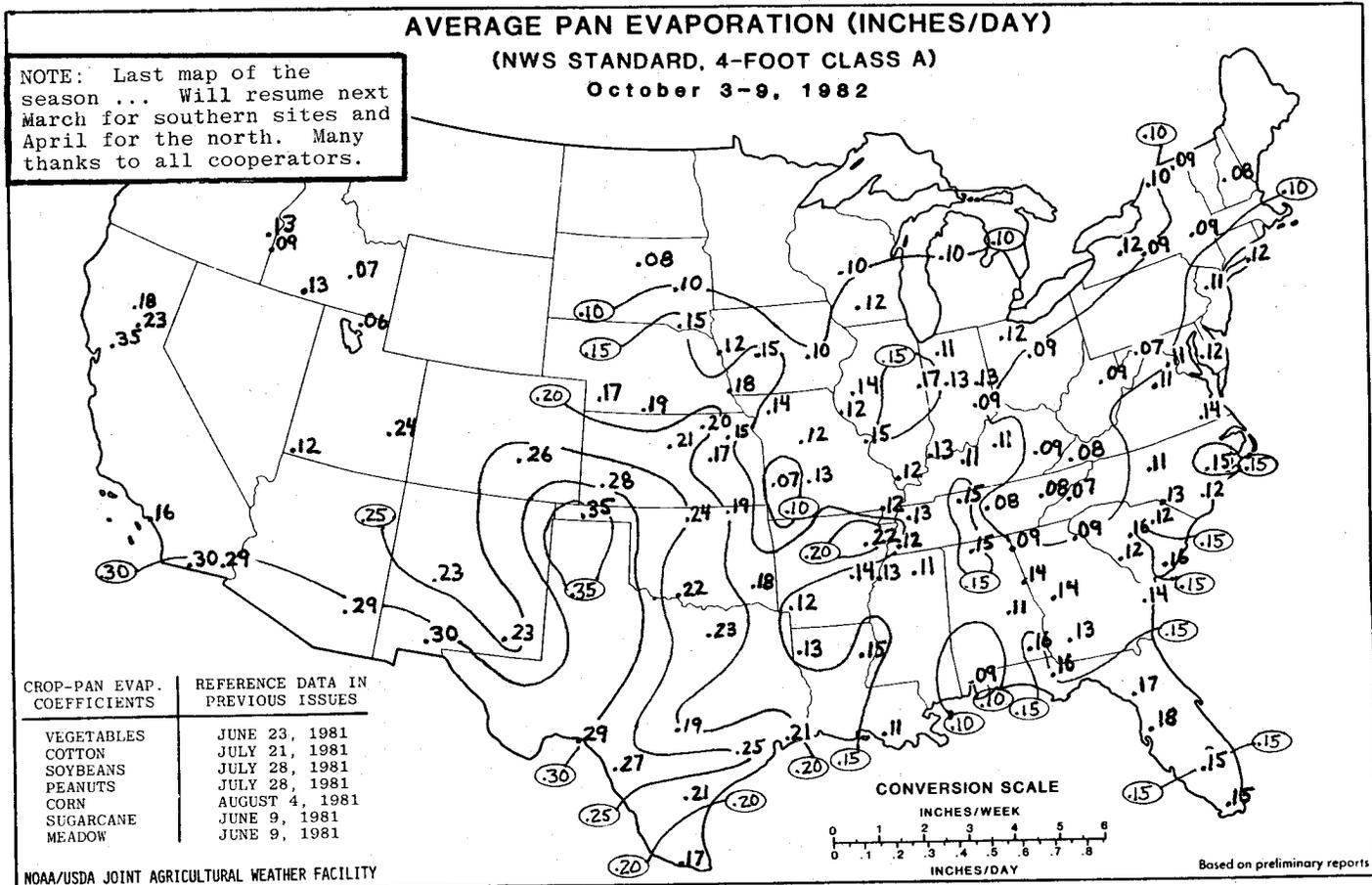
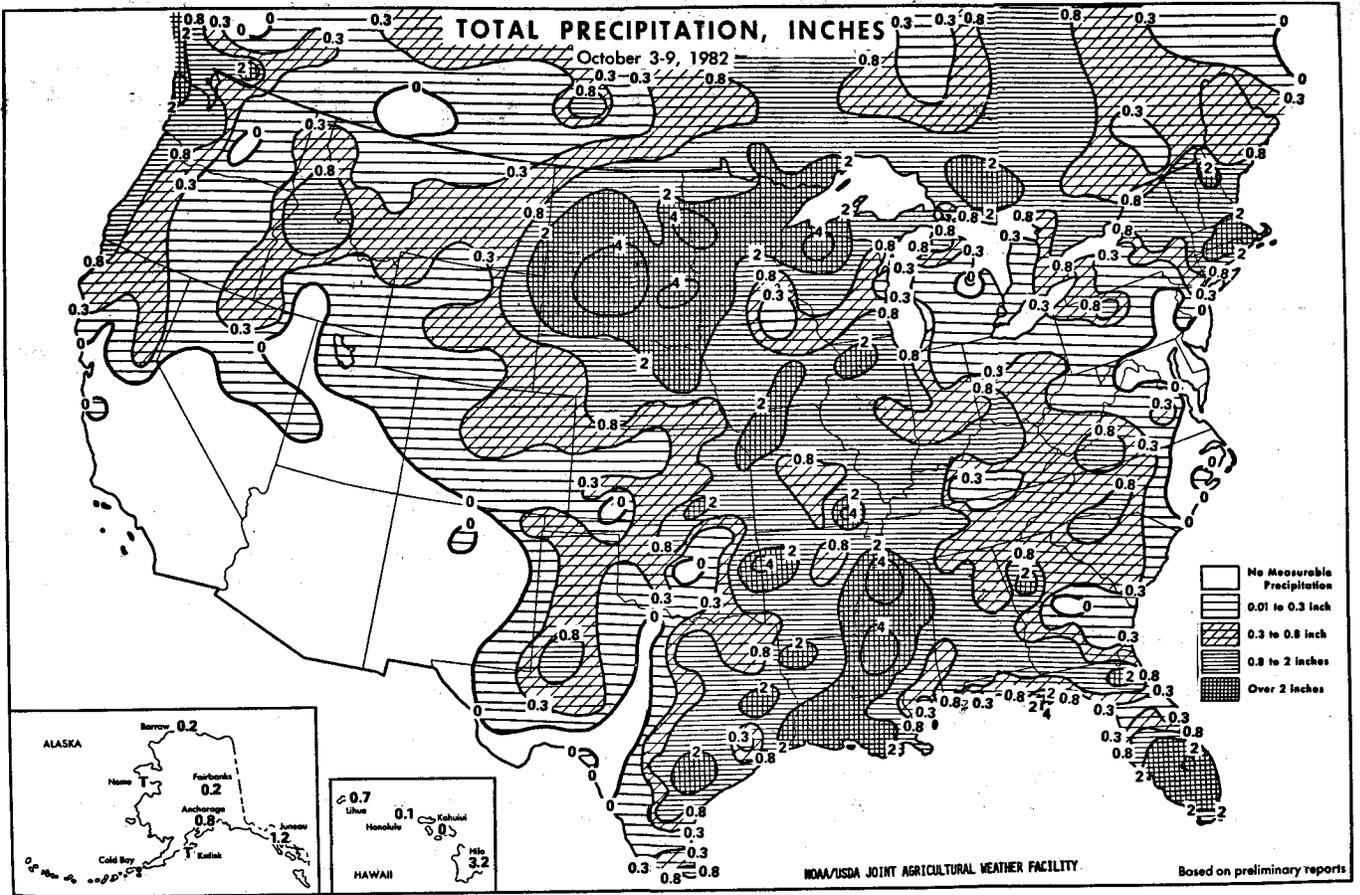
WEDNESDAY . . . The weather showed a variety of conditions--summerlike temperatures lingering over much of the East and a touch of winter in the West. A cold front moved to a line from Minnesota along the Mississippi River to central Arkansas and to central Texas. Brisk southerly winds from the Gulf of Mexico carried moisture northward to trigger showers and thunderstorms along and ahead of the front as it moved eastward. The precipitation covered the central part of the Nation from the eastern Plains to the Appalachians, and the Gulf Coast States from eastern Texas to western Georgia and all of Florida. Another spate of showers moved into the Pacific Northwest to northern California and Idaho.

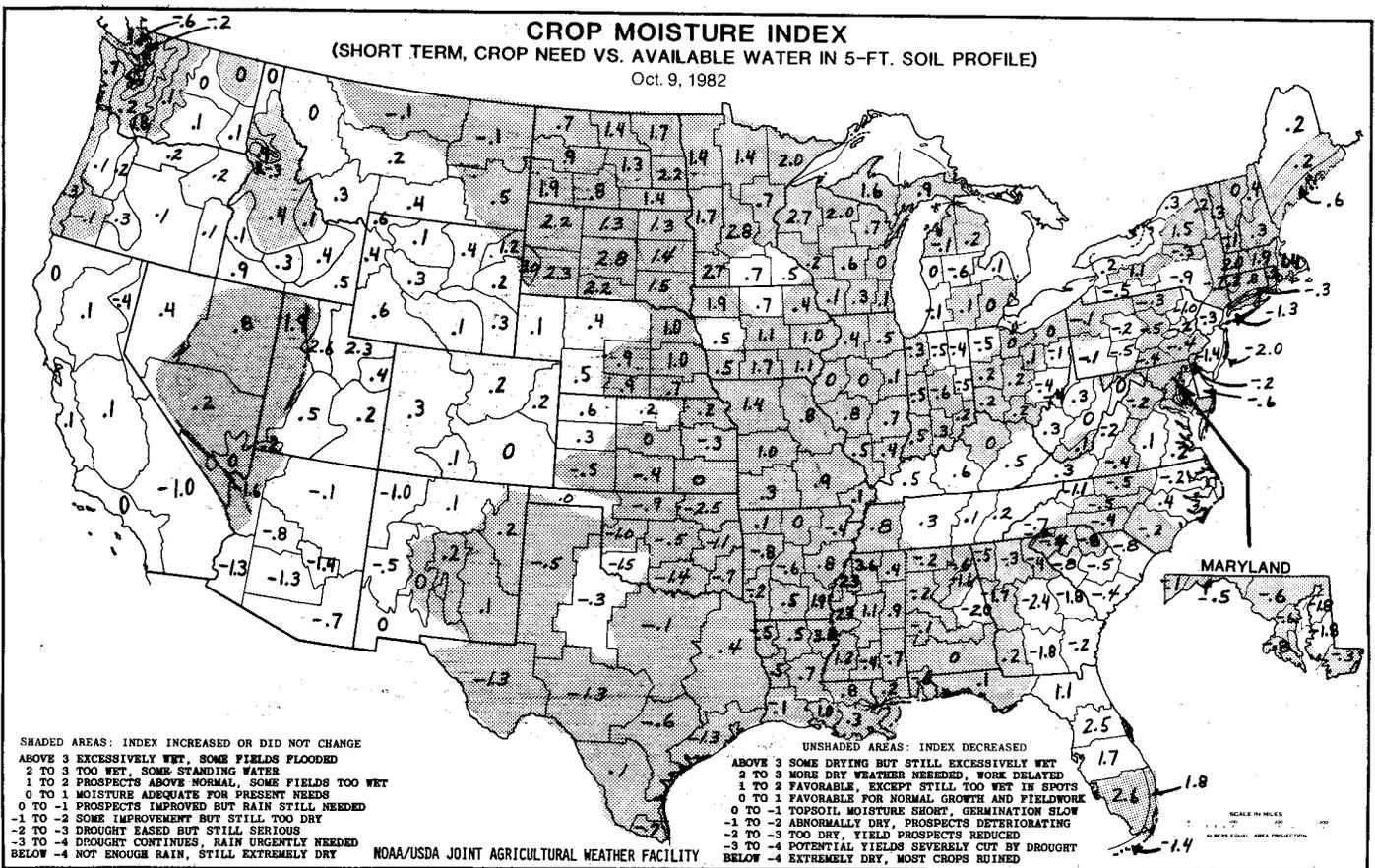
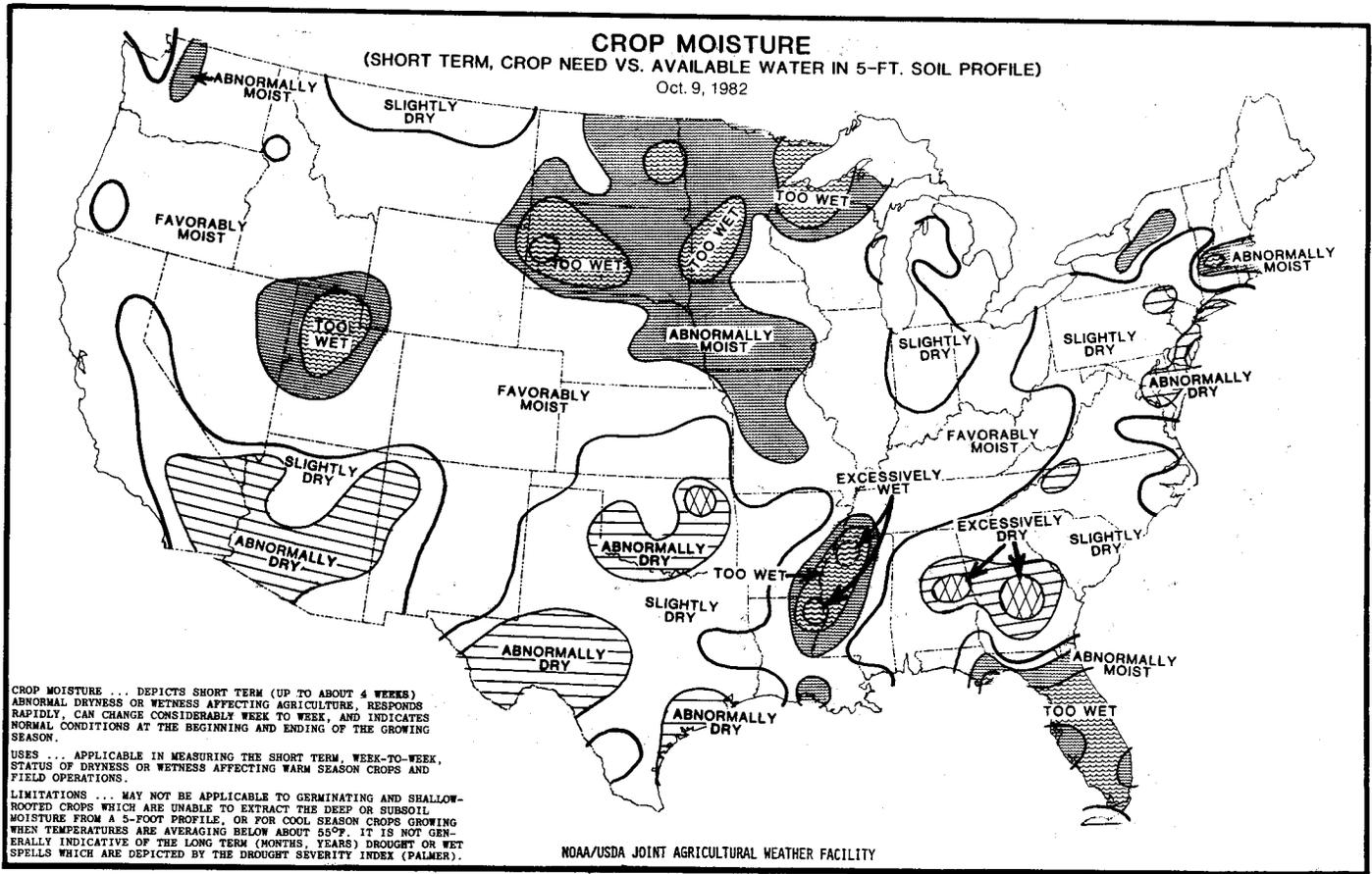
THURSDAY . . . The cold air pushed into the Plains, and the western portion of the High Plains dropped well below freezing as far south as western Nebraska. Valentine, Nebr., had a low of 26°. Later in the day, the high temperatures climbed back to the high seventies in Nebraska. Showers and thunderstorms reached from eastern Texas to Ohio and eastward to just over the Appalachians and through all of New England. Showers and gusty winds dominated the northern and central Rockies and reached southward into western Texas.

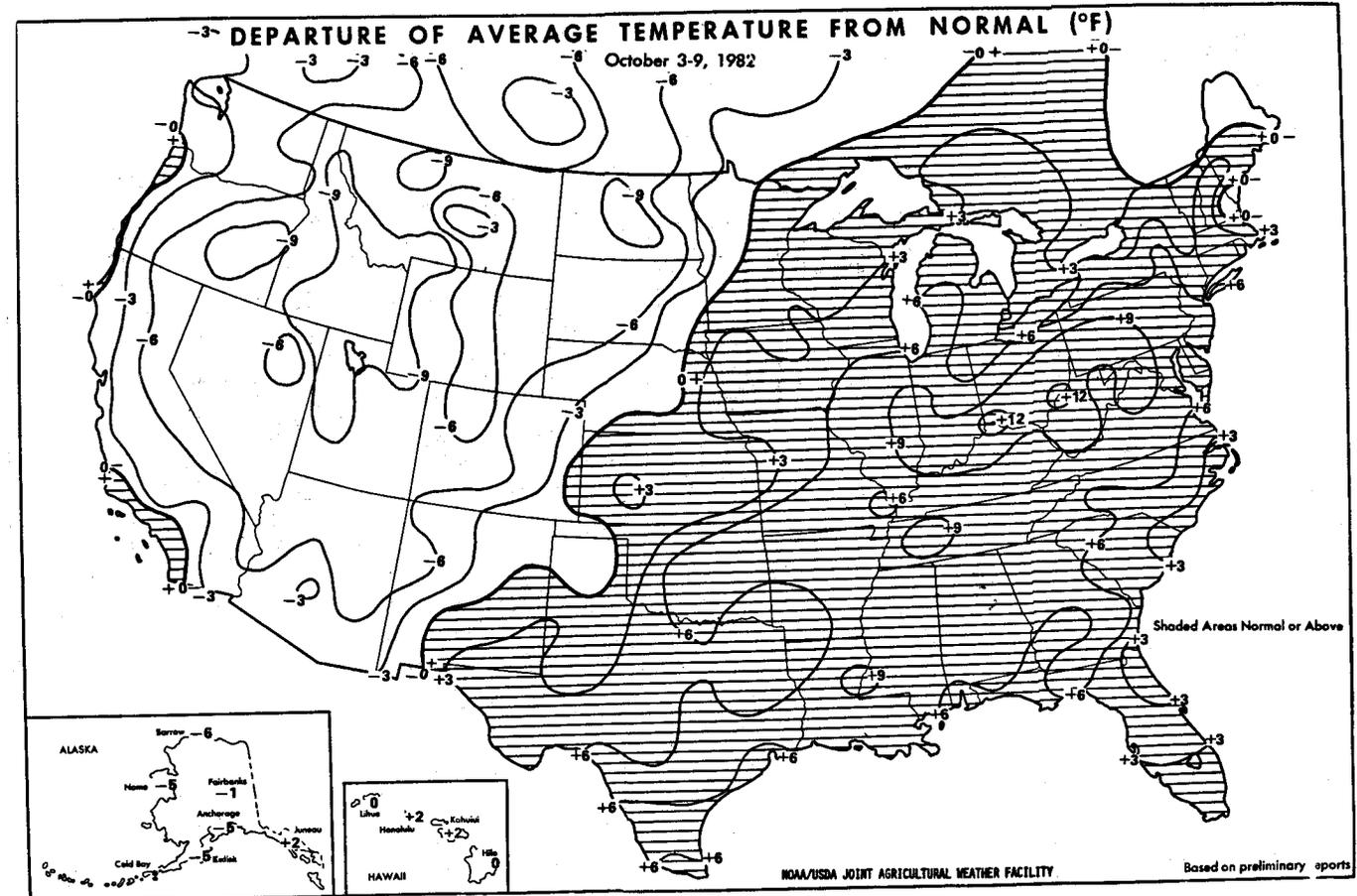
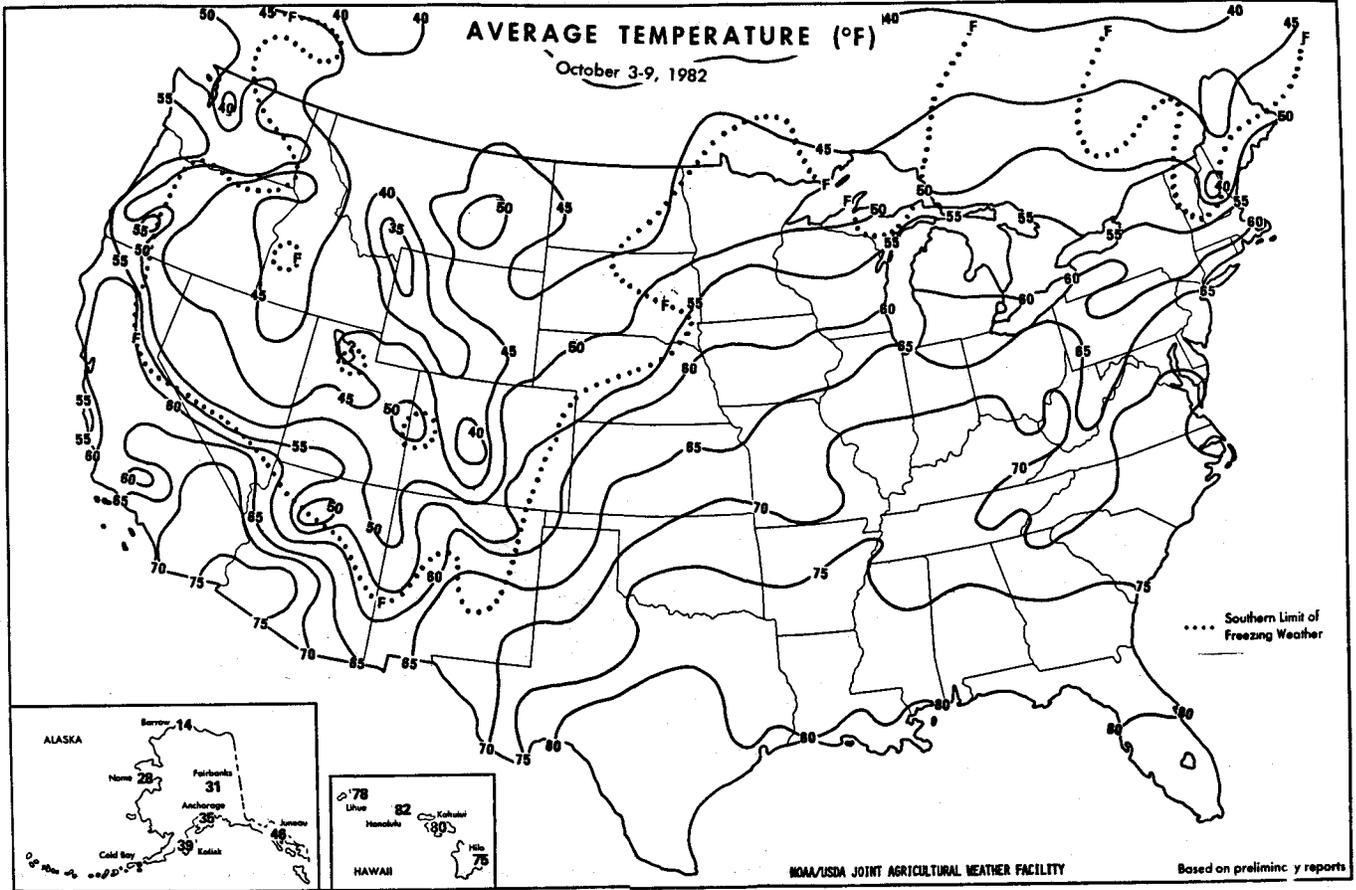
FRIDAY . . . An intense low pressure system moved out of the northern Rockies and spread snow or cold rain across the northern Plains. Showers and thunderstorms reached from the central Plains and eastern Texas all the way to the east coast. A few areas near the east coast, around the Great Lakes,

(continued on back cover)

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Weather Data for the Week Ending Oct. 9, 1982

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. 29	PCT. NORMAL SINCE AUG. 29	TOTAL, IN., SINCE JAN. 1	PCT. NORMAL SINCE JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F			
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	83	67	90	60	75	8	.8	.2	.4	1.8	30	51.8	126	92	50	1	0	3	0
MOBILE	84	70	89	66	77	5	1.6	.8	1.1	6.3	63	62.3	114	97	68	0	0	0	0
MONTGOMERY	86	69	91	61	77	8	1.1	.5	1.0	3.1	47	48.5	126	87	55	0	0	3	1
AK ANCHORAGE	39	31	43	29	35	-5	.8	.4	.5	7.3	178	14.2	120	92	56	0	6	5	0
BARROW	18	11	28	2	14	-6	.2	0	T	.9	64	4.2	100	99	85	0	7	6	0
FAIRBANKS	36	26	41	23	31	-1	.2	0	T	1.7	89	10.0	104	64	45	0	7	2	0
JUNEAU	50	43	57	42	46	2	1.2	.7	.5	7.1	52	33.7	88	98	81	0	0	7	1
KODIAK	46	32	51	27	39	-5	T	1.4	T	10.1	90	45.7	112	77	43	0	4	1	0
NOME	35	21	42	13	28	-5	T	.4	T	4.9	126	15.6	114	73	43	0	7	0	0
AZ PHOENIX	90	60	95	54	75	-2	0	-1	0	.1	10	5.8	112	39	10	5	0	0	0
PRESCOTT	72	40	80	34	56	-5	0	-2	0	.7	30	10.8	74	40	11	0	0	0	0
TUCSON	86	52	94	44	69	-5	0	-2	0	2.2	100	10.5	115	35	7	3	0	0	0
YUMA	90	64	96	61	77	-3	0	-1	0	.1	17	2.9	153	38	12	5	0	0	0
AR FORT SMITH	85	63	93	52	74	7	2.4	1.5	1.7	3.1	47	35.2	106	94	50	2	0	3	1
LITTLE ROCK	82	66	88	60	74	7	.8	.1	.6	2.3	37	42.9	119	91	68	0	0	3	1
CA BAKERSFIELD	80	56	89	54	68	-3	0	0	0	.5	+100	5.3	143	78	32	0	0	0	0
EUREKA	65	47	77	44	56	1	.5	0	.5	1.1	48	25.5	108	92	59	0	0	2	0
FRESNO	77	49	82	45	63	-5	0	-1	0	1.1	275	9.7	149	88	29	0	0	0	0
LOS ANGELES	79	59	87	57	69	2	0	0	0	.8	400	9.4	122	79	39	0	0	0	0
RED BLUFF	76	51	85	44	64	-5	.1	0	.1	1.4	200	14.2	104	73	28	0	0	1	0
SACRAMENTO	75	47	84	45	61	-5	T	.1	T	1.8	300	19.9	166	83	31	0	0	1	0
SAN DIEGO	77	62	90	59	70	2	0	0	.4	400	9.4	165	83	50	1	0	0	0	0
SAN FRANCISCO	71	51	80	47	61	-2	T	.1	T	.9	225	23.5	204	73	38	0	0	0	0
CO DENVER	69	35	80	32	52	-4	.7	.4	.5	2.1	91	10.8	85	84	19	0	1	2	1
GRAND JUNCTION	65	41	76	37	53	-7	.2	-1	.2	2.8	147	6.6	102	79	29	0	0	1	0
PUEBLO	74	34	86	28	54	-5	.2	0	.2	2.0	133	14.3	138	90	22	0	3	1	0
CT BRIDGEPORT	69	54	75	44	61	1	.3	-3	.3	1.6	31	37.2	129	95	65	0	0	1	0
HARTFORD	71	48	82	40	59	3	2.5	-1.8	1.7	4.8	77	42.7	135	96	55	0	0	3	2
DC WASHINGTON	80	63	84	52	71	8	0	-6	0	1.8	33	29.4	95	87	56	0	0	0	0
FL APALACHICOLA	81	72	85	69	77	3	5.5	4.5	3.3	21.6	161	63.6	130	96	76	0	0	5	3
DAYTONA BEACH	84	68	85	64	76	0	.1	-1.4	.1	5.8	46	43.7	105	90	60	0	0	1	0
JACKSONVILLE	85	67	87	62	76	3	.5	-8	.5	10.5	81	45.4	97	100	62	0	0	1	0
KEY WEST	87	78	88	77	82	1	T	-1.5	T	6.9	53	33.3	105	83	67	0	0	0	0
MIAMI	86	75	89	73	80	1	3.5	1.4	1.5	13.6	82	56.9	116	98	69	0	0	5	3
ORLANDO	88	71	90	69	79	3	.5	-7	.5	7.7	65	50.0	112	91	52	1	0	2	1
TALLAHASSEE	86	71	90	66	79	6	.4	-5	.3	6.9	68	51.3	99	92	60	1	0	2	0
TAMPA	87	73	88	71	80	3	.2	-6	.1	12.5	129	53.2	123	95	62	0	0	3	0
GA WEST PALM BEACH	86	75	89	71	81	2	3.6	1.3	2.9	10.0	55	63.3	125	85	61	0	0	4	1
ATLANTA	80	65	84	60	72	6	2.1	1.5	1.6	5.2	93	43.3	113	94	61	0	0	2	1
AUGUSTA	84	62	87	56	73	6	.6	-1	.6	2.6	48	30.9	88	93	51	0	0	1	1
MACON	87	66	92	57	77	7	T	-6	T	2.9	52	36.9	105	98	57	2	0	0	0
SAVANNAH	84	68	86	63	76	5	.1	-7	.1	3.1	35	46.5	106	89	58	0	0	1	0
HI HILO	81	69	83	66	75	0	3.2	-1.0	1.3	18.6	119	155.9	168	93	64	0	0	7	1
HONOLULU	89	74	90	72	82	2	.1	-1	.1	.6	43	23.3	162	76	47	4	0	2	0
KAHULUI	89	71	91	67	80	2	0	-1	0	.4	67	23.3	201	79	46	2	0	0	0
LIHUE	84	72	85	69	78	0	.7	0	.6	2.5	58	48.6	175	92	66	0	0	2	1
ID BOISE	60	39	71	30	49	-7	.4	-3	.3	1.9	238	9.4	113	85	37	0	2	2	0
LEWISTON	59	42	62	36	51	-5	.3	-1	.2	1.1	69	9.2	98	89	44	0	0	3	0
POCATELLO	54	32	62	23	43	-9	T	-1	T	3.9	433	13.7	169	86	41	0	4	1	0
IL CHICAGO	76	49	87	40	63	5	1.0	.4	.7	2.3	42	29.0	111	93	42	0	0	3	1
MOLINE	79	48	83	42	64	5	1.6	.8	.8	3.8	57	33.0	113	97	45	0	0	3	2
PEORIA	78	51	87	42	65	6	.8	-1	.5	2.3	37	34.1	118	95	52	0	0	3	1
QUINCY	79	54	87	46	67	7	1.2	.4	.8	5.4	74	35.6	--	92	53	0	0	2	1
ROCKFORD	78	47	86	39	62	5	2.0	1.3	1.9	3.8	56	32.9	110	97	42	0	0	2	1
SPRINGFIELD	79	54	88	45	66	6	1.3	-5	1.2	5.4	89	30.8	112	90	56	0	0	4	1
IN EVANSVILLE	81	62	88	57	72	9	1.4	-8	1.4	8.4	168	39.7	121	89	55	0	0	3	1
FORT WAYNE	76	51	85	40	63	6	.2	-5	.1	1.9	37	32.0	113	88	40	0	0	2	0
INDIANAPOLIS	79	58	87	48	68	9	.6	0	.3	2.1	41	31.8	106	97	54	0	0	3	0
SOUTH BEND	74	53	83	45	63	6	.3	-4	.2	2.8	47	31.8	114	93	48	0	0	2	0
IA DES MOINES	73	50	77	42	62	3	1.4	.9	1.1	6.4	128	36.8	143	88	53	0	0	4	1
SIOUX CITY	73	47	82	37	60	3	1.8	1.4	1.7	6.8	155	24.9	108	91	52	0	0	3	1
WATERLOO	73	44	80	38	58	2	.7	0	.3	4.3	67	26.0	92	88	50	0	0	3	0
KS CONCORDIA	74	48	86	43	61	0	.3	-2	.2	3.2	62	34.9	144	94	50	0	0	2	0
DODGE CITY	79	51	89	45	65	3	T	-4	T	2.1	62	18.0	102	73	32	0	0	0	0
GOODLAND	70	44	85	39	57	0	T	-3	T	4.1	158	24.5	167	82	37	0	0	1	0
TOPEKA	78	48	90	35	63	1	.8	-1	.8	2.3	38	32.3	109	91	42	1	0	1	1
WICHITA	80	49	91	39	65	1	.4	-3	.4	2.4	37	24.8	96	84	36	1	0	2	0
KY BOWLING GREEN	81	61	86	54	71	6	.1	-4	.1	8.8	176	40.0	108	100	61	0	0	2	0
LEXINGTON	80	63	85	58	71	9	1.0	-6	.6	5.0	116	30.1	87	95	61	0	0	2	1
LOUISVILLE	81	63	87	58	72	10	.8	-3	.8	4.9	100	34.5	101	90	60	0	0	1	1
LA ALEXANDRIA	86	69	89	63	78	6	2.6	1.7	1.2	7.4	125	39.7	--	87	60	0	0	5	2
BATON ROUGE	88	71	90	68	80	8	1.5	-9	1.5	4.3	69	37.4	88	93	58	3	0	1	1
LAKE CHARLES	87	71	90	67	79	6	2.7	1.9	1.4	14.3	201	43.3	102	91	61	1	0	3	2
NEW ORLEANS	86	72	89	69	79	6	2.6	1.9	1.2	8.9	103	49.4	108	95	66	0	0	4	3

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

+100 = NORMAL & ACTUAL NEAR THE SAME

Weather Data for the Week Ending Oct. 9, 1982

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. 29	PCT. NORMAL SINCE/AUG. 29	TOTAL, IN., SINCE/JAN. 1	PCT. NORMAL SINCE/JAN. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION		
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
ME SHREVEPORT	86	66	92	60	76	5	1.9	1.3	.6	3.4	63	25.7	76	99	60	2	0	4	3	
ME CARIBOU	55	36	65	30	46	-2	.3	.5	.3	4.8	72	28.7	105	94	50	0	3	2	0	
MD PORTLAND	62	42	75	38	52	-1	1.4	.8	1.3	3.5	66	34.2	120	95	59	0	3	2	1	
MD BALTIMORE	78	57	82	44	68	7	0	.6	0	3.7	67	27.5	88	93	55	0	0	0	0	
MD SALISBURY	79	56	81	43	68	5	0	.8	0	2.7	38	30.9	88	100	62	0	0	0	0	
MA BOSTON	67	52	82	46	60	1	2.4	1.7	1.3	4.0	68	39.2	126	95	58	0	0	3	2	
MA CHATHAM	67	54	72	49	61	-	3.8	-	3.6	10.5	-	38.9	-	94	70	0	0	2	1	
MI ALPENA	66	44	77	36	55	4	.2	.3	.2	3.9	72	19.7	92	94	56	0	0	2	0	
MI DETROIT	74	48	81	41	61	4	.1	.4	.1	2.7	66	24.3	98	90	47	0	0	1	0	
MI FLINT	73	49	81	44	61	6	T	.5	T	3.0	68	20.3	88	92	53	0	0	1	0	
MI GRAND RAPIDS	74	50	84	42	62	6	.3	.3	.2	2.6	46	24.0	98	89	51	0	0	3	0	
MI HOUGHTON LAKE	68	45	79	33	57	5	.1	.6	.1	4.1	73	23.9	111	92	50	0	0	1	0	
MI LANSING	73	47	82	39	60	5	T	.5	T	3.8	83	20.1	84	98	52	0	0	1	0	
MI MARQUETTE	61	39	66	32	50	1	1.1	.4	.5	6.5	97	29.1	106	98	67	0	1	4	1	
MI MUSKEGON	70	51	81	43	61	5	.3	.3	.2	3.2	57	25.0	107	91	60	0	0	3	0	
MI SAULT STE. MARIE	62	41	76	35	52	2	.8	.1	.4	7.2	109	27.2	116	94	60	0	0	3	0	
MN ALEXANDRIA	58	41	68	35	50	-2	2.1	1.7	.7	5.6	144	24.7	115	99	72	0	0	6	1	
MN DULUTH	55	42	66	37	49	-1	3.1	2.5	2.1	8.7	167	29.0	118	92	69	0	0	5	2	
MN INT'L FALLS	54	42	66	37	48	0	1.9	1.4	1.4	6.8	126	22.2	100	99	75	0	0	4	1	
MN MINNEAPOLIS	65	46	76	38	55	1	.7	.2	.2	4.4	92	20.5	93	87	58	0	0	4	0	
MN ROCHESTER	68	45	75	40	57	3	.2	.3	.1	6.9	138	29.6	123	83	51	0	0	3	0	
MS GREENWOOD	85	69	92	62	77	9	2.7	2.2	1.9	7.0	137	42.2	-	89	59	1	0	4	1	
MS JACKSON	86	68	91	60	77	7	6.4	5.9	2.8	7.5	147	50.2	135	95	60	2	0	4	3	
MS MERIDIAN	87	68	92	59	77	9	1.0	.5	.7	1.8	34	43.3	110	91	56	3	0	2	1	
MO CAPE GIRARDEAU	80	62	86	57	71	5	1.0	.3	.5	3.5	54	39.9	118	99	66	0	0	4	0	
MO COLUMBIA	77	54	86	43	66	4	.8	.1	.5	6.7	86	37.7	124	95	57	0	0	4	0	
MO KANSAS CITY	76	51	87	41	64	2	2.3	1.4	2.1	4.1	54	40.4	130	94	45	0	0	2	1	
MO SAINT LOUIS	80	61	86	55	71	7	1.3	.7	.5	6.9	135	42.2	149	100	59	0	0	3	1	
MO SPRINGFIELD	79	59	88	48	69	6	1.3	.5	.9	3.1	43	33.4	106	92	58	0	0	4	1	
MT BILLINGS	59	41	71	32	50	-3	.3	.1	.2	1.9	86	16.0	134	83	39	0	1	5	0	
MT GLASGOW	53	36	64	33	45	-6	.3	.1	.2	1.6	100	10.5	113	86	55	0	0	4	0	
MT GREAT FALLS	52	35	62	30	43	-9	.3	.1	.1	2.8	140	15.7	122	83	43	0	2	4	0	
MT HAVRE	54	33	61	28	43	-8	.1	.1	.1	1.6	80	13.9	136	95	47	0	2	3	0	
MT HELENA	53	33	64	25	43	-6	.2	0	.1	3.1	182	12.4	132	78	40	0	3	2	0	
MT KALISPELL	52	27	59	22	40	-7	T	.3	T	1.9	90	15.6	132	98	48	0	6	2	0	
MT MILES CITY	55	39	69	35	47	-6	.5	.3	.1	3.1	148	13.7	114	94	51	0	0	5	0	
MT MISSOULA	54	34	57	26	44	-4	.1	.1	.1	2.4	126	13.8	139	95	48	0	2	4	0	
NE GRAND ISLAND	70	43	85	33	57	-1	.6	.2	.4	4.4	107	32.7	156	90	45	0	0	4	0	
NE LINCOLN	76	48	86	42	62	3	.8	.3	.6	4.2	88	34.4	143	84	44	0	0	2	1	
NE NORFOLK	71	43	83	37	57	0	2.2	1.8	1.9	6.1	153	26.1	121	93	48	0	0	3	1	
NE NORTH PLATTE	67	38	78	33	53	-3	1.4	1.1	.9	3.6	109	17.9	101	90	42	0	0	3	1	
NE OMAHA	74	51	86	44	63	4	.8	.3	.6	5.3	102	29.9	115	87	57	0	0	3	1	
NE SCOTTSBLUFF	63	36	81	29	49	-5	.6	.4	.4	2.2	122	19.6	154	86	39	0	1	4	0	
NE VALENTINE	60	35	78	26	48	-6	1.1	.8	.5	3.3	127	21.0	132	78	47	0	1	4	0	
NV ELY	57	28	67	24	43	-7	T	.1	T	4.9	613	12.7	192	85	34	0	6	1	0	
NV LAS VEGAS	78	55	88	52	66	-5	0	0	0	.1	25	2.7	84	32	13	0	0	0	0	
NV RENO	62	30	69	23	46	-8	T	.1	T	2.4	400	6.7	131	92	26	0	5	1	0	
NV WINNEMUCCA	59	29	68	22	44	-8	.3	.2	.2	1.4	200	6.1	100	81	30	0	6	2	0	
NH CONCORD	65	39	76	33	52	0	1.1	.6	.6	2.9	58	30.4	116	91	52	0	0	3	1	
NJ ATLANTIC CITY	78	55	82	42	66	6	0	.7	0	1.3	23	24.7	73	99	55	0	0	0	0	
NM ALBUQUERQUE	74	43	83	34	59	-4	0	.2	0	1.3	87	5.7	86	48	12	0	0	0	0	
NM CLOVIS	77	51	87	38	64	1	T	.4	T	1.9	56	14.1	-	81	32	0	0	1	0	
NM ROSWELL	80	52	90	44	66	2	0	.4	0	3.8	131	8.2	78	74	30	1	0	0	0	
NY ALBANY	71	43	76	35	57	2	.7	.1	.7	2.2	41	26.8	108	99	51	0	0	3	1	
NY BINGHAMTON	71	48	76	40	59	6	.1	.5	.1	2.1	40	28.2	100	93	52	0	0	1	0	
NY BUFFALO	70	49	80	46	60	5	.5	.1	.5	4.3	77	29.9	114	92	55	0	0	1	1	
NY NEW YORK	74	60	80	53	67	5	.4	.2	.4	1.5	27	27.9	90	92	59	0	0	1	0	
NY ROCHESTER	72	47	78	42	60	4	.2	.3	.2	3.9	89	24.3	102	87	50	0	0	1	0	
NY SYRACUSE	71	44	75	38	58	2	.2	.5	.2	4.5	85	27.6	102	97	55	0	0	1	0	
NC ASHEVILLE	76	56	80	47	65	6	.4	.4	.2	1.8	27	39.1	110	100	70	0	0	2	0	
NC CHARLOTTE	79	64	84	61	71	6	.8	.2	.8	1.6	27	31.6	96	95	63	0	0	1	1	
NC GREENSBORO	77	61	82	59	69	6	.8	.1	.7	2.1	33	35.2	108	95	64	0	0	2	1	
NC HATTERAS	79	62	80	58	70	2	0	.1	0	4.5	45	44.6	105	100	66	0	0	0	0	
NC NEW BERN	80	61	81	57	70	3	T	.9	T	4.6	49	35.5	78	97	55	0	0	1	0	
NC RALEIGH	81	61	85	58	71	7	.3	.4	.2	1.8	28	34.3	101	93	53	0	0	2	0	
NC WILMINGTON	80	61	82	53	70	1	T	.9	T	7.4	78	47.3	105	95	57	0	0	0	0	
ND BISMARCK	50	35	72	31	42	-9	3.1	2.9	1.3	4.1	195	16.1	114	99	71	0	2	4	3	
ND FARGO	54	40	65	33	47	-5	5.2	4.9	3.0	7.3	235	17.8	102	95	71	0	0	5	2	
ND GRAND FORKS	52	41	65	37	47	-3	3.7	3.4	1.7	5.3	177	18.8	115	97	77	0	0	5	2	
ND WILLISTON	52	34	68	26	43	-7	.8	.6	.4	3.6	171	14.6	112	94	66	0	2	3	0	
OH AKRON-CANTON	75	57	80	53	66	9	.3	.3	.3	3.3	67	25.8	92	85	51	0	0	1	0	
OH CINCINNATI	81	65	86	59	73	12	.8	.3	.6	2.5	57	35.7	115	84	55	0	0	2	1	
OH CLEVELAND	76	54	83	47	65	8	T	.5	T	4.8	104	27.1	100	91	51	0	0	1	0	
OH COLUMBUS	77	60	84	58	69	11	.7	.2	.6	5.1	116	30.1	100	95	59	0	0	2	1	

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Oct. 9, 1982

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. 29	PCT. NORMAL SINCE Aug. 29	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
DAYTON	76	60	82	57	68	8	.9	.5	.6	2.3	59	34.5	124	93	61	0	0	2	1
TOLEDO	75	48	84	38	61	4	.2	.3	.2	2.2	51	20.2	82	94	51	0	0	2	0
OK YOUNGSTOWN	76	54	83	48	65	9	.1	.6	.1	2.2	42	25.3	86	92	46	0	0	1	0
OKLAHOMA CITY	84	60	90	45	72	6	0	.7	0	3.6	59	31.1	120	85	38	1	0	0	0
TULSA	86	60	91	43	73	6	T	.8	T	3.0	42	26.1	87	88	40	2	0	1	0
OR ASTORIA	62	48	69	40	55	0	1.1	.1	.8	5.1	73	46.6	120	85	61	0	0	3	1
BURNS	54	29	61	24	42	-10	.2	.1	.1	1.4	200	8.1	105	82	45	0	5	3	0
MEDFORD	68	44	78	35	56	-1	.4	.1	.4	1.6	94	10.8	89	91	44	0	0	3	0
PENDLETON	60	44	66	39	52	-5	T	.2	T	1.1	85	7.0	85	80	37	0	0	2	0
PORTLAND	63	48	69	41	56	-1	.7	.1	.6	5.0	139	27.4	125	91	56	0	0	4	1
SALEM	64	45	73	34	55	-1	.5	.2	.3	2.6	70	24.0	99	92	54	0	0	4	0
PA ALLENTOWN	75	54	80	42	65	7	0	.6	0	1.6	27	36.9	113	91	50	0	0	0	0
ERIE	72	51	81	46	62	7	.3	.4	.3	3.4	55	29.5	105	81	54	0	0	1	0
HARRISBURG	76	57	79	44	66	7	T	.5	T	2.9	64	33.2	106	96	55	0	0	0	0
PHILADELPHIA	78	59	82	55	69	8	0	.6	0	2.9	53	33.6	111	92	51	0	0	0	0
PITTSBURGH	76	57	79	49	67	10	.1	.5	T	2.7	56	25.4	89	82	43	0	0	2	0
SCRANTON	74	50	79	40	62	6	T	.6	T	1.1	22	29.6	111	94	57	0	0	0	0
RI PROVIDENCE	71	50	78	43	60	3	2.4	1.7	1.8	6.3	105	42.7	140	95	54	0	0	3	2
SC CHARLESTON	81	64	83	58	73	4	.2	.7	.1	4.1	48	39.4	90	100	58	0	0	2	0
COLUMBIA	82	61	85	56	72	4	.3	.4	.3	3.7	51	42.9	111	99	56	0	0	1	0
FLORENCE	80	62	84	55	71	4	.2	.5	.1	1.8	26	32.4	89	98	58	0	0	2	0
GREENVILLE	80	63	85	58	71	6	.9	.1	.7	2.5	36	45.0	121	93	58	0	0	2	1
SD ABERDEEN	56	39	73	34	48	-5	---	---	---	---	---	---	---	94	67	0	0	0	4
HURON	62	42	75	34	52	-2	2.0	1.6	1.3	7.3	221	23.4	139	97	66	0	0	5	1
RAPID CITY	56	37	74	32	47	-7	3.2	3.0	2.5	6.1	290	25.0	162	86	52	0	1	3	2
SIoux FALLS	67	43	75	32	55	1	3.8	3.3	1.5	12.5	266	27.9	127	95	67	0	1	4	3
TN CHATTANOOGA	80	62	86	56	71	6	.7	0	.5	2.0	32	40.8	103	97	61	0	0	2	0
KNOXVILLE	80	63	86	55	71	6	.3	.3	.2	3.0	61	42.3	120	99	65	0	0	2	0
MEMPHIS	82	66	90	60	74	8	4.1	3.5	2.7	5.9	111	47.4	126	93	62	1	0	4	3
NASHVILLE	82	64	87	60	73	8	1.3	.8	1.0	5.0	98	38.6	110	100	62	0	0	4	1
TX ABILENE	86	63	91	48	74	4	T	.6	T	1.3	29	17.8	92	80	32	2	0	1	0
AMARILLO	78	48	86	38	63	-1	.6	.2	.4	2.1	58	17.0	100	77	24	0	0	2	0
AUSTIN	89	72	95	68	81	7	1.1	.3	.4	3.4	52	19.8	79	85	48	4	0	4	0
BEAUMONT	88	74	92	68	81	8	2.1	1.2	1.3	3.2	36	44.5	104	90	64	4	0	3	2
BROWNSVILLE	91	76	93	73	84	6	.9	0	.6	3.3	38	18.8	94	91	59	5	0	3	1
CORPUS CHRISTI	89	75	92	71	82	6	.7	.1	.6	1.3	16	16.5	71	90	61	5	0	2	1
DEL RIO	92	71	96	67	81	6	.1	.5	.1	1.1	22	9.3	65	81	35	6	0	1	0
EL PASO	86	56	91	43	71	3	0	.2	0	5.2	289	7.9	122	53	17	3	0	0	0
FORT WORTH	88	68	94	57	78	7	1.8	1.1	1.5	2.4	42	32.2	126	82	41	4	0	3	1
GALVESTON	83	76	86	73	80	3	.8	0	.4	2.1	24	20.8	63	94	78	0	0	3	0
HOUSTON	89	71	92	65	80	6	.1	.8	.1	1.4	18	22.7	63	95	56	4	0	2	0
LUBBOCK	81	53	90	38	67	2	.5	.1	.3	1.8	41	18.0	113	89	30	1	0	2	0
MIDLAND	86	58	92	42	72	2	.8	.5	.8	2.3	82	12.5	111	82	27	1	0	1	1
SAN ANGELO	87	64	91	53	76	5	.4	.2	.4	.8	16	15.6	106	87	36	3	0	1	0
SAN ANTONIO	88	69	92	64	79	5	.6	.1	.4	1.6	25	14.0	64	89	45	3	0	4	0
VICTORIA	90	72	93	68	81	6	3.0	2.0	1.7	4.3	52	22.1	81	91	59	4	0	3	3
WACO	90	69	96	61	80	7	.7	.1	.4	.9	17	22.7	94	88	48	5	0	3	0
WICHITA FALLS	88	61	94	49	74	4	T	.7	T	2.7	49	33.1	151	88	36	4	0	0	0
UT BLANDING	62	33	70	26	47	-9	0	.3	0	2.6	124	11.9	127	63	24	0	2	0	0
CEDAR CITY	65	35	72	29	50	-6	T	.2	T	1.9	127	12.0	158	64	20	0	3	0	0
SALT LAKE CITY	60	38	71	32	49	-8	.4	.1	.3	7.6	422	18.8	168	86	35	0	1	3	0
VT BURLINGTON	67	44	74	37	56	3	1.4	.7	.8	3.7	65	26.4	103	89	53	0	0	2	2
VA NORFOLK	79	60	80	50	69	4	0	.8	0	3.6	50	37.2	104	96	56	0	0	0	0
RICHMOND	82	59	84	50	71	8	.4	.3	.4	3.0	47	38.0	111	100	59	0	0	1	0
ROANOKE	78	60	81	57	69	8	1.4	.7	1.0	4.2	68	36.1	119	100	61	0	0	3	1
WA COLVILLE	55	32	60	26	44	-7	.1	.1	.1	1.8	113	13.4	121	88	53	0	3	3	0
QUILLAYUTE	59	42	67	37	50	-3	3.6	1.4	2.9	8.6	68	74.9	117	99	70	0	0	5	1
SEATTLE-TACOMA	59	47	64	44	53	-2	.9	.2	.8	2.5	58	24.0	104	94	60	0	0	2	1
SPOKANE	55	36	59	30	46	-7	.3	.1	.2	2.1	131	11.5	102	94	49	0	2	3	0
YAKIMA	62	37	65	31	50	-4	T	.1	T	1.2	171	6.4	125	83	41	0	1	0	0
WV BECKLEY	74	59	76	56	66	10	.5	.1	.5	2.9	49	35.0	103	91	57	0	0	1	1
CHARLESTON	81	60	86	56	70	9	.6	0	.6	3.7	71	34.8	107	96	53	0	0	1	1
HUNTINGTON	78	60	82	55	69	8	.7	.3	.7	3.4	74	34.5	111	98	59	0	0	1	1
PARKERSBURG	80	65	83	60	72	13	.3	.2	.3	2.8	60	29.1	86	91	57	0	0	1	0
WI GREEN BAY	67	46	79	39	56	3	.3	.2	.1	2.4	48	21.2	98	91	58	0	0	4	0
LA CROSSE	69	44	76	39	57	1	.6	0	.4	4.2	75	18.5	74	90	53	0	0	3	0
MADISON	74	43	85	37	58	4	.8	.2	.4	3.3	57	23.0	92	93	49	0	0	2	0
MILWAUKEE	70	51	82	44	60	5	1.0	.5	1.0	1.8	36	25.4	108	94	54	0	0	2	1
WAUSAU	64	43	78	39	54	2	.9	.2	.5	7.0	109	31.2	117	96	59	0	0	4	1
WY CASPER	56	35	70	26	46	-6	.6	.4	.3	4.1	256	15.8	170	88	43	0	2	3	0
CHEYENNE	57	34	72	30	46	-6	.7	.5	.6	3.5	206	17.4	141	82	38	0	2	2	1
LANDER	56	33	65	29	44	-7	.5	.2	.5	3.7	176	10.3	92	84	37	0	3	2	0
SHERIDAN	58	34	72	25	46	-6	.1	.2	.1	2.4	96	12.0	90	83	40	0	3	2	0
PR SAN JUAN	92	76	96	74	84	3	.1	1.2	.1	3.7	33	33.6	76	85	56	7	0	1	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

National Agricultural Summary

October 4-11

HIGHLIGHTS: Warm weather hastened maturity of late-developing crops in the western Corn Belt. Rainfall on the Great Plains benefited newly seeded winter wheat. However, more is needed to relieve dryness and promote good stands. Farmers had 4 to 7 days suitable for fieldwork in all areas except Mississippi and the region covering Montana, North and South Dakota, and Minnesota where rain and wet fields limited fieldwork to less than 3 days. Soil moisture was adequate to surplus in Minnesota, Wisconsin, Montana, and Mississippi. In other areas, soil moisture was rated short to mostly adequate. Winter wheat seeding remained on schedule; 66% of the acreage had been planted. Corn development and harvest was slower than average; 90% was mature and 18% had been harvested. Soybean harvest gained momentum; 27% of the acreage was harvested and 79% was dropping leaves. Sorghum harvest was 32% complete, behind the average of 48%. Rice was 75% harvested. Cotton harvest advanced to 22% completion, only 1 point behind average. Fall apple harvests continued in full swing. Harvest of fall vegetables remained active in northern areas.

SMALL GRAINS: In the 15 major producing States, 66% of the 1983 winter wheat crop was seeded, behind last year's 71% and the 69% average. Seeding in South Dakota and Nebraska neared completion. Kansas growers had seeded 80% of the intended acreage; Oklahoma growers, 55%; and Texas growers, 53%. Light rain improved the prospects for newly seeded fields, especially in the southern Plains. More is needed to relieve dryness and to produce good stands. In the Corn Belt, about one-half of the acreage was planted and nearly one-fifth had emerged.

CORN: Corn harvest was 18% completed in the 17 major producing States, lagging last year's 23% and the average of 27%. Ninety percent of the corn was mature, 2 points behind a year earlier. Development of the crop lagged the most in Nebraska where only 65% was mature, 33 points behind average. Harvesting just started in Nebraska. Farmers have normally harvested 25% of their acreage by this date. Combining was behind schedule in 12 of the 17 major States.

SOYBEANS: In the 18 major producing States, 79% of the soybeans were dropping leaves, and 27% had been harvested, just slightly behind last year and the average. The 1982 harvest was behind average in 10 of the 18 major States. The Nebraska harvest was only 7% complete, well behind the average of 48%. In Iowa, combining reached 15% completion, compared to the average of 55%. The Minnesota harvest was 14% complete, lagging the average of 45%. Progress also lagged in Kansas, Kentucky, Louisiana, Mississippi, Missouri, South Carolina, and Tennessee. In contrast, the

Illinois, Indiana, Michigan, and Ohio harvests were ahead of average by 15 to 20 points.

COTTON: In the 14 major producing States, bolls were opening on 75% of the acreage, about on schedule with last year and the average. Harvesting was 22% complete, only 1 point behind normal. Harvest had not yet started in Oklahoma and was just getting underway in Arizona, California, and New Mexico. In other States, progress ranged from 19 to 51% completion. Defoliation and harvesting picked up momentum in all areas of Arizona.

OTHER CROPS: Sorghum was 64% mature in the 7 major producing States, behind last year's 78% and the 85% average. Development was slower than usual in all States except Oklahoma. In Nebraska, only 30% of the crop was mature. Normally, 94% would be mature by this date. Harvest was 32% complete, lagging last year's 37% and the average of 48%. Harvest also lagged in all States except Oklahoma. Only 1% of Nebraska's crop was harvested, 34 points behind average. In Kansas, 10% was harvested, 25 points behind normal. South Dakota growers harvested 10% of their acreage, 23 points behind average. Harvest was just underway in Colorado but reached 74% in Texas.

Rice was 75% harvested in the 5 major States, compared to 78% a year ago and the average of 78%. Harvest was finished in Texas and reached 20% in California.

Tobacco harvest, curing, stripping, and marketing remained in full swing. House burn in Kentucky was more severe than earlier thought.

VEGETABLES: Fall vegetable harvests continued in full swing in northern areas. Maine potatoes were 88% harvested. Locally heavy rain fell in Florida's vegetable growing areas and caused localized flooding in low spots. Fieldwork was delayed, but land preparations and plantings again were active late in the week. Light harvesting of sweet corn, cucumbers, eggplant, peppers, and squash continued. California growers harvested a wide variety of vegetables. The Salinas-Watsonville lettuce harvest was slowing, but harvest started in the San Joaquin Valley. Digging of Burbank potatoes increased. The processing tomato harvest neared completion, but the market tomato harvest remained active.

FRUITS AND NUTS: Fall apple harvests remained in full swing in northern regions. Florida's citrus groves were in very good to excellent condition. Moisture was adequate, and very little irrigation was required. Harvesting of early citrus was very active. California growers harvested grapes for raisins, table, wine, and juice grapes. New crop grapefruit and lemons were picked in the desert area. The almond harvest was near completion, but pistachio and walnut picking remained active.

CROP PROGRESS

FOR WEEK ENDING OCT 10

SOYBEANS % DROPPING LEAVES				CORN % MATURE				COTTON % BOLLS OPENING				WINTER WHEAT % PLANTED			
	1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.
ALA	62	67	NA	COLO	67	69	78	ALA	95	94	72	CALIF	3	0	3
ARK	49	50	54	GA	100	100	NA	ARIZ	98	98	99	COLO	93	91	94
GA	65	65	NA	ILL	100	98	100	ARK	97	97	85	IDAHO	64	66	64
ILL	99	95	99	IND	99	80	97	CALIF	90	95	87	ILL	45	33	41
IND	100	90	98	IOWA	89	100	100	GA	83	88	85	IND	50	30	40
IOWA	87	100	100	KANS	95	90	96	LA	98	99	87	KANS	80	85	80
KANS	75	80	NA	KY	96	95	95	MISS	100	100	98	MO	28	30	34
KY	58	50	77	MICH	96	90	90	MO	100	91	95	MONT	75	85	90
LA	64	63	60	MINN	87	96	95	N MEX	95	92	90	NEBR	98	100	98
MICH	99	99	99	MO	85	90	87	N C	96	100	88	OHIO	55	35	50
MINN	99	99	99	NEBR	65	85	98	OKLA	55	80	65	OKLA	55	75	60
MISS	89	88	87	N C	100	100	100	S C	93	93	95	OREG	47	62	59
MO	60	70	74	OHIO	99	75	90	TENN	95	86	69	S DAK	95	100	100
NEBR	75	96	97	PA	59	82	73	TEX	59	63	64	TEX	53	60	62
N C	28	30	24	S DAK	92	90	100	14 STATES	75	78	75	WASH	80	80	74
OHIO	99	90	95	VA	97	98	NA					15 STATES	66	71	69
S C	37	50	42	WIS	90	100	98								
TENN	75	65	60	17 STATES	90	92	NA								
18 STATES	79	80	NA	EXCL. STATES WITH NA	89	92	96								
EXCL. STATES WITH NA	80	81	84												

SOYBEANS % HARVESTED				CORN % HARVESTED				COTTON % HARVESTED				SORGHUM % HARVESTED				
	1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.		1982	1981	AVG.	
ALA	18	19	15	COLO	4	5	16	ALA	30	45	22	COLO	3	2	7	
ARK	8	10	7	GA	95	95	86	ARIZ	7	20	14	KANS	10	15	35	
GA	7	10	6	ILL	28	24	31	ARK	49	35	30	MO	41	38	46	
ILL	75	48	58	IND	20	12	20	CALIF	3	5	6	NEBR	1	10	35	
IND	60	20	40	IOWA	8	25	27	GA	19	45	35	OKLA	15	30	10	
IOWA	15	59	55	KANS	45	40	50	LA	34	52	37	S DAK	10	29	33	
KANS	10	25	25	KY	43	53	48	MISS	43	63	40	TEX	74	76	77	
KY	12	8	16	MICH	7	6	7	MO	51	16	35	7 STATES	32	37	48	
LA	21	29	27	MINN	3	9	17	N MEX	1	4	3					
MICH	25	9	10	MO	38	46	49	N C	23	27	24					
MINN	14	27	45	NEBR	3	15	25	OKLA	0	10	5					
MISS	17	18	19	N C	84	86	79	S C	30	42	37					
MO	15	30	27	OHIO	20	10	15	TENN	52	30	26					
NEBR	7	50	55	PA	5	12	12	TEX	19	18	24					
N C	4	5	2	S DAK	6	25	24	14 STATES	22	24	23					
OHIO	50	20	30	VA	50	60	57	THESE 14 STATES PRODUCED 99% OF THE 1981 COTTON CROP.								
S C	3	3	6	WIS	3	4	8									
TENN	7	8	10	17 STATES	18	23	27									
18 STATES	27	29	33	THESE 17 STATES PRODUCED 93% OF THE 1981 CORN CROP.												

RICE % HARVESTED				SORGHUM % MATURE			
	1982	1981	AVG.		1982	1981	AVG.
ARK	78	87	75	COLO	52	67	73
CALIF	20	30	40	KANS	55	65	80
LA	96	98	96	MO	76	79	87
MISS	77	84	81	NEBR	30	80	94
TEX	100	100	100	OKLA	70	90	65
5 STATES	75	81	78	S DAK	79	89	90
THESE 5 STATES PRODUCED 98% OF THE 1981 RICE CROP.				TEX	83	87	87
				7 STATES	64	78	85
				THESE 7 STATES PRODUCED 92% OF THE 1981 SORGHUM CROP.			

October Crop Production Highlights

CORN FOR GRAIN production is forecast at a record high 8.31 billion bushels (211 million metric tons), virtually unchanged from the September 1 forecast and 1 percent above the previous record high set last year. The 90 percent confidence interval for this production is 7.77 to 8.86 billion bushels.

SORGHUM GRAIN production is forecast at 821 million bushels (20.9 million metric tons), down 7 percent from 1981 but 42 percent more than the 1980 drought-stricken crop.

FEED GRAIN production (corn, sorghum, oats, and barley combined) is expected to total 252 million metric tons, up 1 percent from 1981.

SOYBEAN production is forecast at 2.30 billion bushels (62.6 million metric tons), fractionally less than last month but 15 percent above last year's crop. The 90 percent confidence interval for this 1982 production forecast is 2.16 to 2.44 billion bushels.

OILSEED production (soybeans, cottonseed, peanuts, flaxseed, and sunflowers combined) is expected to total 71.0 million metric tons, up 10 percent from last year.

FOOD GRAIN production (wheat, rye, and rice combined) is expected to total 84.1 million tons, 1 percent below 1981.

ALL COTTON production is forecast at 11.4 million bales, 27 percent below 1981 production but up 3 percent from the September 1 forecast. The 90 percent confidence interval for this 1982 production forecast is 10.3 to 12.4 million bales.

FALL POTATO production is forecast at 307 million cwt (13.9 million metric tons), 4 percent above 1981 and 15 percent above 1980.

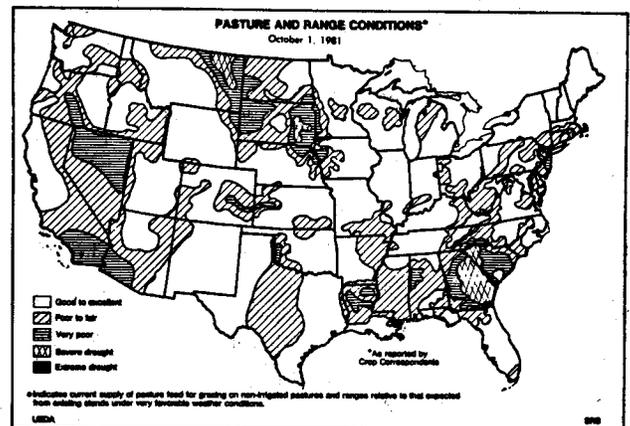
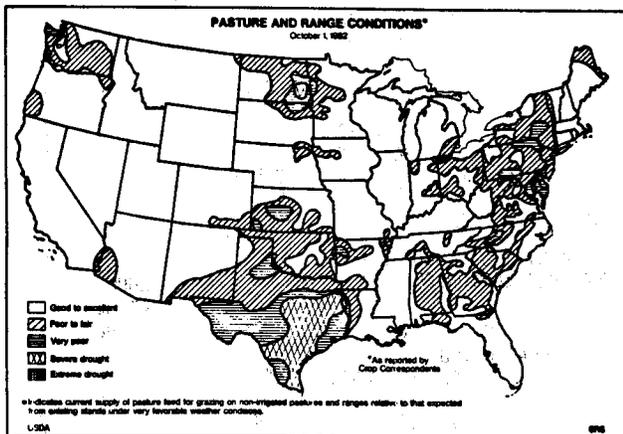
ORANGE production is forecast at 216 million boxes (8.33 million metric tons), 21 percent more than the 1981-82 season but 12 percent below 1980-81.

SUGAR CROPS: Sugarbeet production is expected to total 21.4 million tons (19.4 million metric tons), down 2 percent from the September 1 forecast and 22 percent below the 1981 crop. Production of sugarcane for sugar and seed is forecast at a record high 28.9 million tons (26.2 million metric tons), 1 percent below last month's forecast but 5 percent above the 1981 crop.

PASTURE AND RANGE FEED: The October 1 pasture and range feed condition averaged 81 percent of normal for the 48 contiguous States. This is 1 percentage point above a year ago, and 5 points more than the 1971-80 average for this date. During September, conditions deteriorated in 29 States, were unchanged in 7, and improved in 12 States.

Ranges and pastures continued to deteriorate in Texas from a lack of sufficient rainfall. The central and southern portions of the State had scarce grazing, with the Southeastern area experiencing a severe drought. Supplemental feeding of livestock increased in most areas, except in the High Plains where ranges provide good to excellent grazing. The depletion of soil moisture caused conditions to decline 3 points in Kansas and 4 points in Oklahoma compared with a month earlier. In the Rocky Mountain area pastures and ranges continued to improve through September and provided good to excellent feed. Cattle are being moved to lower elevations as early fall snows hamper grazing in some areas. Seasonal rainfall across Arizona and New Mexico caused significant improvement in the regrowth of grasses. Showers late in the month helped replenish needed soil moisture across the North Central States, but portions of Minnesota, North Dakota and South Dakota would benefit from additional rainfall.

Scattered rainfall across the eastern third of the Nation caused widely varying pasture conditions. Most States showed some areas of poor to fair pasture growth, while a few areas from Maryland through New York and portions of North Carolina, Georgia, and Ohio reported very poor fall pastures.



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 Offices in cooperation with the National Weather Service.

ALABAMA: Temperatures 5 to 10° above normal. Rainfall varied from little to 2.00 in.

Soil moisture short to adequate. Fieldwork: 4.6 days. Peanuts: Dug 97%, 83% 1981, 71% average; combined 93%, 76% 1981, 62% average. Corn harvested 93%, 90% 1981, 75% average. Soybeans: Leaves turning yellow 86%, 89% 1981, 84% average; dropping leaves 62%, 67% 1981; mature 40%, 59% 1981, 55% average; harvested 18%, 19% 1981, 15% average. Cotton: Bolls open 95%, 94% 1981, 72% average; harvested 30%, 45% 1981, 22% average. Sorghum harvested 73%, 59% 1981. Conditions: Corn, cotton, peanuts, sorghum and livestock good, soybeans fair to good. Pastures good.

ARIZONA: Sunny skies. No precipitation. Seasonal temperatures prevailed mid week. Northerly winds 8th, 9th spread colder air over State, lowered temperatures 10 to 20°. Minimums down to teens and 20's higher elevations, upper 20's

and 30's intermediate levels, 40's and lower 50's lower Deserts. Average temperatures mostly 2 to 8° below seasonal normals.

Crops making good progress. Cotton activities continued take place throughout State. Bolls open in 98% cotton planted, same as year ago, slightly less than average 99%. Defoliation, picking occurred on increased scale all areas. Approximately 7% cotton crop harvested, behind both same time period last year where 20% harvested an average 14%. Good top crop cotton set in Yuma area. Insect management still a concern Yuma area. Sorghum harvest continued rapid rate as fields reached maturity. Alfalfa progressed normally, usual haying activities. Renovation, planting alfalfa underway Yuma area. Pinal, Yuma Counties starting land preparations for small grains. Fruits, vegetables made excellent progress. Southeast reached peak harvest pumpkins, winter squash. Apple harvest complete Cochise County. Fall lettuce planting

finished. Crop making good progress. Lettuce harvest continued Willcox area. Fall melons developing well central Desert, western areas. Some cantaloups harvested Maricopa County. Honeydews being picked Yuma County. Mixed greens including green onions harvested limited scale Maricopa County. Lemon harvest increasing Yuma, Maricopa Counties, very good quality fruit produced. Grapefruit sizing, coloring satisfactorily Yuma area. Citrus groves good condition.

ARKANSAS: Much above normal temperatures. Central rainfall. Highest temperatures 94°, lowest 43°. All departures from normal +2 to +7°. Most rainfall 6.80 in., least 0.10 in.

Five days suitable for fieldwork. Soil moisture adequate. Crop growth slow. Soybean condition fair. Turning yellow 73%, 76% 1981, 71% average; shedding 49%, 50% 1981, 54% average; mature; 28%, 27% 1981, 27% average; harvested 8%, 10% 1981, 7% average. Rice good condition; virtually all ripe, 98% 1981, 99% average; harvested 78%, 87% 1981, 75% average. Cotton good condition; harvested 49%, 35% 1981, 30% average. Sorghum good condition, virtually all harvested, 93% 1981, 85% average. Oats good condition, planted 18%, 20% 1981, 30% average. Wheat good condition, planted 14%, 13% 1981, 18% average. Pastures average. Cattle good condition.

CALIFORNIA: A high pressure system off the west coast with a low pressure system over the midwest combined to form northerly winds over the State. These northerly winds created below normal average temperatures. The exception being the South Coast where temperatures were near normal. Precipitation was confined to the northern portion of the State and the Cascade-Sierra area. Maximum precipitation was at Blue Canyon with 0.75 in. Temperature extremes were 95 at Thermal and Imperial and 20° at Alturas.

Rice harvest accelerating, 20% complete, 30% last year, 40% average. Dry warm weather beneficial. Cotton good condition with 90% open bolls, 95% last year, 87% average. Defoliation increasing. Harvest of cotton 3% complete, 5% last year, 6% average. Dry edible bean harvest continues. Some molding problems. Grain sorghum and field corn harvest active. Haying of alfalfa continues. Ground preparation and planting small grains picking up. Winter wheat planted 3%, 0% last year, 3% average. Golden, Red Delicious, Rome Beauty apples harvested Sebastopol area. Raisin, table, wine, juice grape harvests active. Soft date, kiwi, olive, pomegranate, persimmon harvests active. New crop Desert grapefruit, lemons picked. Almond harvest near completion. Pistachio, walnut harvest continuing. Broccoli, cauliflower supplies moderate. Brussels sprouts harvest active. Cantaloup harvest winding down San Joaquin Valley, starting Desert. Some white fly damage early Desert fields. Carrots fairly light harvest Salinas Valley. Honeydew harvest increased Desert. Losses some early fields from White Fly virus. Lettuce harvest slowing Salinas-Watsonville, some shippers ending season. Harvest started Kern District of San Joaquin Valley. Bell pepper harvest increased Central Coast, San Joaquin Valley. Fall potato harvest increasing with digging started on Burbanks. Market strawberry volume increased. Market tomato harvest active. Processing tomato harvest winding down. New grass growing. Supplemental feeding necessary few areas. Livestock movement winter pastures continues. Calving active coastal valley districts. Bee colonies being moved into San Joaquin Valley for overwintering.

COLORADO: Mostly light rain, snow showers, and some hail across northern part of the State on 5th along with 55 mph winds near the eastern foothills. Otherwise, dry until 8th when a vigorous storm

moved in from the northwest producing rain or snow over most of the State. Precipitation amounts from 0.10 in. west and mountains to 0.68 in. along eastern foothills. Temperatures were mostly 2 to 4° below normal except in the southeast where they were 2 to 4° above normal.

Completion of small grain harvest behind normal due to earlier rains. Row crop prospects mostly good but another week without a hard freeze would aid development. Winter wheat: 93% seeded, 80% emerged; last year 91% seeded, 76% emerged. Dry beans; suffering from fungus and discoloration due to too much moisture while beans were in the windrow, 89% cut and 58% threshed; last year 92% cut and 74% threshed. Corn: 67% mature and 4% harvested; in 1981 69% mature and 5% harvested. Moisture content too high to promote full scale harvest. Corn silage 90% harvested. Sorghum: 85% turning, 52% mature, and 3% harvested. Last year, 83% turning, 67% mature, and 2% harvested. Sorghum forage 76% harvested. Alfalfa third cutting 65% complete, fourth cutting 15%. Top and subsoil moisture adequate. Six days suitable for fieldwork. Livestock in good to very good condition.

FLORIDA: Locally heavy showers and thunderstorms continued through mid week. Thundershowers then became more widely scattered. Little or no rain occurred weekend. Rains of 2.00 to 4.00 in. were common, south and a few spots, central, with generally lesser amounts elsewhere. Temperatures averaged 3 to 5° above normal.

Soil moisture supplies adequate to short Panhandle, upper northwestern Peninsula. Surplus some coastal areas of Peninsula, mostly adequate elsewhere. Peanut harvest very active, well advanced. Soybean combining began in additional areas as early fields reached maturity. Cotton prospects continue fair to good. Haymaking increased considerably, northern areas; active in Peninsula between showers. Winter forage crops, small grain seeding underway primarily in Panhandle; some localities waiting for additional moisture before planting. Pasture condition varies from mostly good to excellent, but only poor to fair, Panhandle. Armyworms causing some problems. Cattle mostly good condition. Citrus groves in very good to excellent condition. Moisture adequate to a little short, but very little irrigation. Due to lack of rain, new growth slowing. Harvest of early citrus most active in recent history. Cloudy skies, numerous thundershowers early week was followed by partly cloud skies, scattered showers in vegetable areas. Rainfall variable, often locally heavy. Some flooding in low spots. Rains, wet soils slowed crop progress, fieldwork. Preventive spray programs increased. Land preparation, plantings active late week. Laying of plastic for strawberries active but little planting because of rains. Light harvest sweet corn, cucumbers, eggplant, peppers, squash continues. Pole bean harvest active, Gadsden County. Light harvest fall watermelons expected this week.

GEORGIA: A rather warm week. Average temperatures 3 to 5° above normal over northern and central portions and 1 to 2° above normal over southern third. Rainfall exceeded 1.00 in. in the southwest, extreme northeast, and west central portions, tapering off to less than 0.1 in. along coast and center of State. The east central portion was dry. The 9th and 10th very warm, with average temperatures 5 to 10° above normal. Rather wet, with rain of 1.50 in. in the mountains, 0.50 in. in the rest of the north and 0.25 in. south.

Soil moisture: 18% very short, 56% short, 25% adequate, 1% surplus. Beneficial rain over weekend northern one-third. Five days suitable

for fieldwork. Row crop harvest, seeding small grains, harvesting pecans and putting up hay major activities. Corn: 95% harvested this year and last, 86% average. Cotton condition 36% fair, 59% good; 19% harvested, 45% last year, 35% average. Peanuts 98% dug, 85% last year, 81% average; 93% threshed, 75% last year, 71% average. Soybean condition: 4% poor, 47% fair, 46% good; 65% dropping leaves this year and last; 7% harvested, 10% last year, 6% average. Insects still a problem in some areas. Wheat 9% seeded this year and last, 15% average. Rye 26% planted, 20% last year 22% average. Other small grains 18% planted, 19% last year, 20% average. Apple harvest complete. Pecan conditions: 7% poor, 41% fair, 47% good; 3% picked this year, last and average. Hay crops and pastures fair to good. Cattle and hogs good.

HAWAII: Weather favorable. Warm and sunny with light rains mainly in the windward crop areas. Crop condition fair to good. Spraying to minimize insect damage as warm weather continues to increase insect population. Vegetables: Supplies generally up. Few items light but most crops moderate to heavy. Bananas: Supplies gradually increasing. Papayas: Most major orchards in active harvest. Rains beneficial. Pineapples: Harvesting slack. Plantings active. Sugar: Steady harvest. Pastures: Generally fair to good. Occasional rains maintaining soil moisture.

IDAHO: Another week of relatively wet weather with below normal temperatures was experienced. Average temperatures ranged from 1 to 9° below normal with the coolest temperatures being recorded in southeast. Highest temperature recorded was 74° at both Mountain Home and Grandview. Low was 15° at Stanley. Precipitation amounts were less than the previous week with most areas averaging near normal. The heaviest amount was recorded at New Meadows with 1.31 in. Grangeville also recorded over an inch with a total of 1.18 in.

Fieldwork: 3.5 days suitable. Potato harvest 30% complete; last year 55%, average 56%. Sugar-beet harvest was underway with 7% dug compared to 10% last year and 7% average. Onions were over a week behind last year with 82% dug, 93% last year and 86% average. Third cutting alfalfa hay reached 65% complete while apple harvest was nearing halfway point. Dry beans combining was 2.5 weeks behind last year with 64% harvested. Silage corn was 84% harvested and corn for grain was 8% combined. Winter wheat seeding was 64% complete compared to 66% last year and 64% average; 36% was emerged. Ranges were in excellent condition and cattle were being moved to winter pastures. Small grain harvest has not been completed in eastern areas and some grain was sprouting in the heads.

ILLINOIS: Temperatures 5 to 9° above normal. Maximum temperatures climbed into the 80's in many sections. Precipitation heavy in most sections with amounts from 1.00 to 2.00 in. being recorded.

Corn 28% harvested, 24% 1981, 31% average. Soybeans 75% harvested, 48% 1981, 58% average. Forty-five percent of the winter wheat crop seeded, 33% 1981, 41% average; 18% emerged, 12% 1981, 8% average. Forty-five percent of the sorghum crop had been harvested. Fifteen percent of the intended ground for corn and soybeans has been tilled (plowed or chiseled) for next year's crop. This compares with 10% last year and the average of 12%. Pastures 6% excellent, 62% good, 27% fair, and 5% poor. Soil moisture 29% short, 67% adequate and 4% surplus. Days suitable for fieldwork: 5.8.

INDIANA: Fieldwork average 6 days. Topsoil and subsoil moisture short to mostly adequate. Corn 20% harvested, 1981 12%, average 20%. Corn 99% mature, 1981 80%, average 97%. Moisture content 22%. Soybeans 95% mature, 1981 65%, average 90%. Soybeans 100% dropping leaves, 1981 90%, average 98%. Winter wheat 50% seeded, 1981 30%, average 40%. Wheat 20% emerged. Tobacco 97% harvested, 1981 97%, average 97%. Silos 95% filled, 1981 80%, average 90%. Soybeans 60% combined, 1981 20%, average 40%. Moisture content 13%.

IOWA: A warm week with moderate-to-heavy rain-falls.

Topsoil moisture: 37% surplus, 63% adequate. Subsoil moisture: 18% surplus, 81% adequate, 1% short. Corn mature: 89%, last year 100%, normal 100%. Corn harvested: 8%, last year 25%, normal 27%. Soybeans with leaves turning: 98%, last year 100%, normal 100%. Soybeans with leaves shedding: 87%, last year 100%, normal 100%. Soybeans mature: 70% last year 100%, normal 99%. Soybeans harvested: 15%, last year 59%, normal 55%. Winter wheat sown: 60%, last year 65%, normal 71%. Fieldwork: 4.1 days suitable. Crop conditions: Corn, soybeans, and pasture mostly good to excellent. Livestock in good condition.

KANSAS: Precipitation averaged 0.25 in. northwest, 1.30 to 1.60 in. southeast and east central and 0.33 to 0.50 in. elsewhere. Temperatures averaged 58° northwest, 64 to 66° east and south central. These were 4° above normal northeast and 1 to 3° above normal elsewhere. Local freezing temperatures northwest; scattered frost elsewhere over the west.

Sorghum 55% mature, 65% last year, 80% average; 10% harvested, 15% last year; 35% average. Soybeans, 75% dropping leaves, 80% last year; 10% harvested, 25% a year ago and average. Corn, 95% mature, 90% last year, 96% average; 45% harvested, 40% last year, 50% average. Wheat 80% planted, 85% last year, 80% average; 45% emerged, 50% last year. Some army worm damage in new wheat.

KENTUCKY: Temperatures averaged 10° above normal. Precipitation varied from less than 0.10 in. to more than 1.00 in.

Soil moisture 30% short, 67% adequate, 3% surplus. Days available for fieldwork: 5.1. Finishing cutting and housing tobacco. Some house burn may be more severe than previously reported; 4% burley stripped, 23% ready for stripping, 73% still curing. Corn 96% mature or harvested, 95% last year and average. Harvesting 43% complete, 53% last year, 48% average. Soybeans 58% shedding leaves, mature or harvested, 50% last year, 77% average; 12% beans harvested, 8% 1981, 16% average. Wheat 20% sown. Other activities: Harvesting hay, re-conditioning pastures, filling silos.

LOUISIANA: Rainfall averaged 1.60 to 3.80 in. Temperatures 5 to 8° above normal.

Soil moisture adequate. Days suitable: 3.9. Corn harvested 99%, 98% 1981, 96% average. Rice harvested 96%, 98% 1981, 96% average. Cotton open bolls 98%, 99% 1981, 87% average; harvested 34%, 52% 1981, 37% average; condition good. Soybeans leaves turning 83%, 88% 1981, 85% average; shedding 64%, 63% 1981, 60% average; harvested 21%, 29% 1981, 27% average; condition fair to good. Sorghum harvested 94%, 96% 1981, 88% average. Wheat seeded 4%, 7% 1981, 28% average. Sweetpotatoes harvested 79%, 88% 1981, 75% average. Sugarcane planted 89%, 94% 1981, 76% average; harvested 4%, 5% 1981; condition good. Pecans harvested 1%, 1% 1981; condition poor to fair. Last cutting of hay

88%, 92% 1981. Vegetables rated fair. Pastures fair. Livestock good.

MARYLAND AND DELAWARE: Temperatures averaged 7° above normal. Highs averaged in the low to mid 80's and lows were in the upper 40's. Rain reported only at Oakland and Smithsburg.

A cloudy, warm week provided little help to soil conditions. Only a couple of stations recorded precipitation. Adequate topsoil moisture exists throughout the two State area. Subsoil moisture remained short on the Eastern Shore; adequate elsewhere in Maryland. In Delaware subsoil was short. Several days suitable for fieldwork.

Maryland: Corn for grain harvest 45% completed; 60% last year. Corn matured 95% both years. Silage 95% chopped both years. Soybeans maturity behind last year's development. Soybeans 75% turned, 80% last year. Acreage that shed leaves was at 50%, 55% last year. Small grain progress: 55% barley; 15% wheat; 40% rye, and 35% oats planted compared with 70%, 35%, 65% and 30% respectively. Apple harvest 75% completed in 1982 and 1981.

Delaware: Grain corn harvest 60% complete; 75% last year. All silage harvested. Soybean acreage 95% turned, 60% shed leaves, last year 95 and 50 respectively. Barley plantings 55%, rye 40% planted; 70% and 20% respectively last year. Wheat 10% planted, 5% last. Apples 90% picked; 75% picked 1981.

MICHIGAN: Mild temperatures continued. Average temperatures were from 5 to 7° above normal in the Lower Peninsula. Highs Statewide range from 69 to 85°; lows were from 36 to 50°. Rainfall was about 1.50 in. across the Upper Peninsula. Precipitation was moderate in the northern Lower Peninsula, light elsewhere. Combining of edible dry beans, which began late, was 90% complete, average 70%. Wheat planting reached 80% complete, versus 25% last year and 45% average. Soybean harvest moving quickly; 25% done; average 10%. Corn for grain harvest 7% complete; most producers waiting for more dry-down. Corn silage cutting, 90%, 1981 65%, average 75%. Final cutting of hay 90% complete. Potato digging 75% done. McIntosh apple picking virtually finished. Jonathan and Red Delicious harvests over half finished. Some fruit container and storage shortages occurring. Grape harvest about 66% complete.

MINNESOTA: Another wet, cloudy week in most areas. Temperatures averaged from mid 40's north to the mid 50's south and were from 1 to 3° below normal north and 1 to 3° above normal south. The highest reported temperature was 80° at Lamberton and the coolest was 28° at Fosston. Rainfall was heavy all areas except in the south central and southeast. Heaviest rainfall was in the northwest which averaged over 3.50 in., most other areas averaged between 2.00 and 3.00 in. except just under an inch south central and southeast. The heaviest reported total was 5.48 in. at Moorehead. Standing water reported in many areas of the State.

Very limited fieldwork on one or two sunny days at beginning of week followed by more rain which halted fieldwork for rest of week. Unless plenty of warm dry days, some harvesting delayed until ground freezes. Lack of killing frost in most areas holding back field drying of row crops. Topsoil moisture: 1% short, 27% adequate, 72% surplus. Mature: Corn 87%, 1981 96%, normal 95%; soybeans 83%, 1981 95%, normal 96%. Harvested: Corn 3%, 1981 9%, normal 17%; soybeans 14%, 1981 27%, normal 45%.

MISSISSIPPI: Temperatures were 2 to 9° above normal. Extremes: 51 and 93°. Heavy rainfall caused flash flooding of residences and business in Oxford area where 8.29 in. fell in 24-hours. Five to 10.00 in. was common during the week in north and west areas of the State.

Soil moisture adequate to surplus north and adequate central and south. Fieldwork 3.4 days suitable. Cotton 100% of acreage with some open bolls, 100% last year, 98% average; 43% harvested, 63% last year, 40% average; condition good. Soybeans 89% shedding, 88% last year; 87% average; 17% harvested, 18% last year, 19% average; condition fair to good. Rice 77% harvested, 84% last year, 81% average; condition fair to good. Corn 78% harvested, sorghum 80%, hay 96%, sorghum silage 94%, peanuts 70% and sweetpotatoes 60% harvested. Winter wheat 12% seeded, 23% last year, 31% average. Pecan condition fair to poor. Pasture condition fair to good.

MISSOURI: Temperatures averaged slightly above normal with a lower trend in the northwestern part of the State. Some flooding occurred in northwest where more than 2.00 in. of rain was received. Extreme southeast also received more than 2.00 in. The rest of the State averaged 1.00 in. or more of rain.

Fieldwork was 4.8 days suitable. Corn 85% mature, last year 90%, normal 87%. Corn 38% harvested, last year 46%, normal 49%. Grain sorghum 76% mature, last year 79%, normal 87%. Grain sorghum 41% harvested, last year 38%, normal 46%. Soybeans 42% mature, last year 61%, normal 66%. Soybeans 15% harvested, last year 30%, normal 27%. Winter wheat seeding 28% completed, last year 30%, normal 34%. Fall plowing 19% completed, last year 17%, normal 15%. Cotton 51% harvested, last year 16%, normal 35%. Pasture condition 8% excellent, 64% good, 25% fair and 3% poor. Topsoil moisture supply 11% surplus, 83% adequate and 6% short.

MONTANA: Cool, wet week. Temperatures averaged 4 to 9° below normal. Precipitation moderate to heavy with 1.00 to 2.00 in. over northeast and southeast.

Topsoil and subsoil moisture adequate. Days suitable for fieldwork: 1. Harvest progress compared with last year and normal: Spring wheat 95, 100, 100; barley 95, 100, 100; second cutting alfalfa hay 95, 100, 100; sugarbeets 10, 20, 35; dry beans 80, 90, 80; corn silage 80, 90, 95; and potatoes 40, 40, 60. Winter wheat seeded 75% compared with 85 last year and 90 normally. Winter wheat condition good, emerged 55%. Livestock moved from summer ranges 50%.

NEBRASKA: Precipitation: Widespread rain and thundershowers with the first snowfall of the season occurring in the Panhandle. Moisture accumulations light except for east where 1.00 to 2.00 in. common. Temperatures: 9° below normal in north central, up to 3° above normal in east.

Corn good; mature 65%, 85% last year and 98% normal; harvested for grain 3%, 15% previous year and 25% normal. Soybeans good; turning color 97%, 100% last year and normal; shedding leaves 75%, 96% previous year and 97% normal; harvested 7%, 50% a year ago and 55% normal. Sorghum mostly good to fair; turning color 95%, 100% last year and normal; ripe 30%, 80% last year and 94% normal; harvested for grain 1%, 10% last year and 35% normal. Wheat sown 98%, 100% a year ago and 98% normal; emerged 85%, 90% last year. Pasture and range feed supplies adequate. Topsoil moisture mostly adequate to surplus. Subsoil supplies adequate. Days suitable for fieldwork: 4.3.

NEVADA: Varied weather over most of State during week. Cold, sunshine, rain, hail, wind and snow

were all part of the State's weather as three dry cold fronts passed thru the State. Temperatures near normal beginning of week. Overnight temperatures last four days 5 to 20° below normal. Afternoon highs 5 to 10° below normal. Precipitation varied - three stations recording more than 0.10 in. of rain.

Potato harvest made good progress as fields dried out. Alfalfa seed and grain harvest virtually complete. Livestock continue to be moved to winter pasture in good to excellent condition. Ranges and pastures condition excellent.

NEW ENGLAND: Average precipitation amounts ranged from 0.50 in. over northern Maine to between 2.00 and 4.00 in. across southern New England, with most of the precipitation recorded during the latter part of the week. Average temperatures ranged from the mid 40's near the Canadian border to around 60° along the south coast. High pressure prevailed early in the week. During midweek, a cold front moved south across the region. Low pressure moved across southern New England by week's end.

Maine potatoes: Harvest about 88% complete, 1981 84%; quality ranges from poor to good. Cranberry harvest: 50% complete.

NEW JERSEY: Temperatures averaged well above normal. Extremes: 25° at Charlotteburg on the 11th and 84° at Toms River, Hammonton and Woodstown on the 8th. Rainfall averaged 0.07 in. north, 0.03 in. central and 0.0 in. south. The heaviest 24-hour total 0.20 in. at Charlotteburg on 8th to 9th. Estimated soil moisture, in percent of field capacity, averaged 80% north, 63% central and 47% south. Four in. soil temperatures averaged 59° north, 64° central and 64° south.

Fieldwork: 6.7 days suitable. Topsoil moisture adequate to short. Current cold temperatures slowing crop growth. Frost on morning of 11th. Fall vegetable harvest active. Irish potato harvest over 75% complete. Sweetpotatoes going into storages. Apple and cranberry harvest active. Corn silage making well advanced. Harvest of soybeans and corn for grain becoming general. Harvest of pumpkins, Indian corn and gourds active. Pasture growth slow.

NEW MEXICO: Average temperatures were below normal over the north and west and near or slightly above normal in the southeast plains.

An adequate supply of soil moisture continues over most areas. Cotton in mostly good condition. Alfalfa fields remain in good condition. The fifth cutting approximately 45% complete. Cool nights continue to slow hay growth. Winter wheat seeding beginning to wind down on the eastside. Grain sorghum fields in fair to good condition with about 5% of the grain harvested. Corn fields in good condition. Grain harvest about 30% complete. Red chile harvest underway with green chile harvest beginning to wind down. Peanuts in good condition. Dry bean harvest nearing completion. Ranges remain in excellent condition in the north and mostly fair condition in the south. Cattle and sheep in good condition.

NEW YORK: Above normal temperatures, subnormal rainfall, good fieldwork conditions. No frost. Corn silage harvest underway most areas, 7% done, under 5% 1981, 5% average. Third cutting alfalfa 74% in, 70% 1981, 76% average. McIntosh apple harvest done, Empire nearly done. Eastern Red Delicious and Golden Delicious harvests over 50% done. Concorn grape harvest over 50% complete. Finger Lakes Catawba grape harvest underway. Sweet corn, snap bean, onion harvests about done. Potato and cabbage harvesting active.

NORTH CAROLINA: Temperatures: 5 to 7° above normal. Precipitation: Scattered over the mountain and Piedmont regions, east - rain free.

Fieldwork: 5.9 days suitable. Soil moisture: 7% very short, 53% short, 37% adequate, and 3% surplus. Conditions: Pasture mostly fair. Soybeans fair to good. Cotton, peanuts, sweetpotatoes and sorghum mostly good. Harvest: Cotton 23%, 1981 27%, average 24%; sweetpotatoes 74%, 1981 65%, average 59%; sorghum 60%, 1981 67%, average 57%; soybeans 4%, 1981 5%, average 2%; burley tobacco 98%, 1981 100%, average 99%; corn for grain 84%, 1981 86%, average 79%; peanuts dug 58%, 1981 55%, average 49%; peanuts threshed 36%, 1981 40%, average 36%; apples 95%, 1981 82%, average 71%. Phenological stages: Cotton open bolls 96%, 1981 100%, average 88%; soybeans shedding leaves 28%, 1981 30%, average 24%. Major farm activities: Corn harvest for grain, harvest of sweetpotatoes, cotton, peanuts, apples and soybeans. Land preparation and seeding of small grains.

NORTH DAKOTA: Very wet and cool weather prevailed. The first major snowfall of the season occurred at midweek with most of the central and southwest receiving 3 to 5 in. Some central areas totaled up to 8 in. Heavy thunderstorms rolled up the Red River Valley dumping 1.00 to 2.00 in. of rain. A second storm system over the weekend dumped another 1.00 to 3.00 in. of rain over most of the State. The largest total for the week was 5.57 in. at Fargo. Temperatures averaged 5 to 10° below normal. The warmest was 76° south central on the 3rd the coolest 24° northwest on the 7th.

Harvest activity halted by unusually heavy rain and snow. Concern about completing row crop harvests before winter. Particular concern about getting remaining potatoes and sugarbeets before a damaging freeze. Only an average of 1.1 days suitable for fieldwork. All row crops need a period of good drying weather for harvest to resume. Sunflower harvest about 2 weeks behind average. Percentage of harvest complete with last year and average was: Sunflower 5, 17, 22; corn grain 13, 28, 28; flax 82, 86, 78; potatoes 83, 84, 85; and sugarbeets 27, 34, 40. Soil moisture supplies now above normal. None of State short of topsoil moisture with 68% adequate and 32 surplus. Average 39% short or very short.

OHIO: Weather mild and dry during early week but showers during last half slowed fieldwork. Rain totals under 0.50 in. Temperatures averaged 7 to 9° above normal reaching 80's over almost all of State. Low temperatures in 50's to 60° and lows into 30's northwest. Soil temperatures at 4 in. under bare ground averaged in mid to upper 60's. Evaporation amounted to 0.6 in. to 0.8 in.

Rains delayed harvest of corn and soybeans toward end of week, but will improve plowing and germination conditions for winter wheat. Major farm activities included harvesting corn and soybeans, sowing winter wheat and fall plowing, baling hay, filling silos and cutting wood. Corn mature 99%, 75% 1981, 90% average. Corn harvested 20%, 10% 1981, 15% average. Corn silage harvested 95%, 60% 1981, 80% average. Soybeans shedding leaves 99%, 90% 1981, 95% average. Soybeans mature 95%, 55% 1981, 80% average. Soybeans harvested 50%, 20% 1981, 30% average. Winter wheat planted 55%, 35% 1981, 50% average. Winter wheat emerged 20%, 10% 1981, 10% average. Tobacco harvested 99%, 100% 1981, 100% average. Days favorable 5.5. Pasture condition fair. Soil moisture 35% short, 60% adequate, 5% surplus.

OKLAHOMA: Temperatures averaged from normal in the Panhandle district to 7° above normal in the northeast and east central districts. Rainfall

amounts ranged from 0.02 in. in the southwest district to 2.40 in. in the southeast district.

Harvest of field crops was aided by dry, warm weather. Moisture needed for development of fall seeded small grains and late-planted row crops. Wheat planted: 55%, 75% 1981, 60% average. Cotton bolls opening: 55%, 80% 1981, 65% average. Cotton harvested: 0%, 10% 1981, 5% average. Sorghum mature: 70%, 90% 1981, 65% average. Sorghum harvested: 15%, 30% 1981, 10% average. Days suitable for fieldwork: 6.4.

OREGON: Temperatures near normal in west and north central; 4 to 5° below normal elsewhere. Rainfall along coast 1.10 to 1.40 in.; up to 0.75 in western valleys; eastern portions received traces up to 0.75 in., with heaviest amounts in northeastern portions.

Winter wheat 47% seeded; 62% last year; 59% average. Late grain harvest slowed by rain. Field corn harvest started. Late apple harvest in full swing; pears about complete. Cranberry harvest started. Filbert harvest underway. Potatoes being dug in all producing areas. Onion harvest well advanced. Sweet corn about over. Fall vegetables being picked. Cattle good shape; moving off summer ranges. Pasture and ranges shaping up with recent rain and sunshine.

PENNSYLVANIA: Unseasonably mild with temperatures averaging 5 to 10° above normal. Daily highs mostly in the 70's and lows 40's to 60's. Extremes: 83 and 34°. No rain of consequence although isolated spots in Poconos measured up to 1.00 in. rainfall 8th.

Six days suitable. Moisture adequate to short. Activities: Plowing; planting wheat and barley; making hay; and harvesting corn silage, soybeans, potatoes, grain corn, tomatoes, cabbage, and apples. Potatoes 90% harvested, last year 82%. Soybeans 27% harvested, last year 5% harvested. Corn 59% mature and 5% harvested; last year 82% mature and 12% harvested; average 73% mature and 12% harvested. Corn silage 84% harvested, last year 79%. Fall plowing 90% complete; last year 85%; average 85%. Barley planting virtually complete, last year 92%. Wheat 69% planted, last year 81%. Third crop alfalfa 94% harvested, last year harvest was complete. Fourth crop alfalfa 45% harvested, last year 47%. Quality of hay made good to fair. Feed from pastures average to below average.

SOUTH CAROLINA: Temperatures, above normal. Rain fell late last week, amounts less in south central areas.

Soil moisture short. Fieldwork: 6 days suitable. Corn, 97% harvested, compared to 98 last year, 92 average. Cotton, 93% open bolls, 93 last year, 95 average; 30% harvested, 42 a year ago, 37 average; good yields continue. Soybeans 73% leaves turning, 84 last year, 72 average; 37% shedding leaves, 50 last year, 42 average; 11% mature, compared to 19 last year, 14 average; 3% harvested, same as last year. Yield prospects reduced due to earlier dry weather. Winter grazing 64% planted, 36 last year, 50 average; 39% emerged, 23 a year ago, 30 average. More acreage will be planted after receiving rain. Fall cucumbers 42% harvested, 62 last year, 39 average. Need rain. Fall snap beans 12% harvested, 22 last year and 30 average.

SOUTH DAKOTA: Temperatures 1 to 10° below normal. Extremes: 80 and 23°. Precipitation 1.87 to 4.89 in. Up to 4 feet of snow in northern Black Hills.

Topsoil moisture supplies short in eastern north-west and north central. Surplus extreme west and much of central and east central. Adequate else-

where. Three days suitable. Harvest and crop maturity delayed by rain. Corn and sorghum grain harvests 11 days behind. Soybeans 9 to 10 days, sunflowers 7 days. Ranchers starting to wean calves. Sorghum showing color 95%, 1981 100%, average 100%. Corn mature 92%, 1981 90%, average 100%. Soybeans mature 96%, 1981 92%, average 95%. Sorghum mature 79%, 1981 89%, average 90%. Corn for grain harvested 6%, 1981 25%, average 24%. Sorghum for grain harvested 10%, 1981 29%, average 33%. Soybeans harvested 21%, 1981 62%, average 52%. Sunflowers harvested 11%, 1981 30%, average 29%. Winter wheat seeded 95%, 1981 100%, average 100%. Winter rye seeded 96%, 1981 100%, average 100%. Winter wheat emerged 84%, 1981 84%, average 89%. Winter rye emerged 87%, 1981 87%, average 94%.

TENNESSEE: Fieldwork available 4.7 days. Soil moisture 71% adequate, 23% short, 6% surplus. Corn mature 95%, 1981 95%, average 87%; harvested 40%, 1981 48%, average 37%. Cotton open bolls 95%, 1981 86%, average 69%; harvested 52%, 1981 30%, average 26%. Soybeans shedding leaves 75%, 1981 65%, average 60%; mature 26%, 1981 26%, average 20%; harvested 7%, 1981 8%, average 10%. Burley tobacco stripped 17%, 1981 20%, average 23%. Wheat sown 25%, 1981 29%, average 41%. Oats sown 50%, 1981 57%, average 65%. Pastures fair. Livestock good.

TEXAS: Tropical air mass early week produced numerous thundershowers Coastal Plains and Lower Valley. By midweek Pacific front moved Central Texas triggering thundershowers throughout State 6th and 7th. Early 8th cold front entered West Texas passing through remainder State 9th. Widespread thundershowers accompanied front as progressed through State. Temperatures normal or above normal across State. Precipitation below normal High Plains and Trans-Pecos, Rolling Plains. Remainder State above normal.

Crops: Scattered showers weekend provide needed moisture small grain fields. Although light some areas, rains should supply much-needed pre-plant moisture. Parts Blacklands, rains heavy enough cause some erosion. The overcast skies and cooler temperatures slowed cotton development areas State. Cotton fields High Plains two weeks behind schedule. Cooler weather slowed boll opening areas, some wind damage open bolls has. Defoliation operations active High and Low Plains. Stands Cross-Timbers developing slowly with cool weather, some fields plowed up because poor prospects. Defoliation active Trans-Pecos, harvest underway soon. Many producers Edwards Plateau waiting frost before beginning harvest. Statewide condition, at 60% of normal, improved since last week. Condition across the State was 3% excellent; 16% good; 66% fair; 14% poor; and 1% failure. This compares with 78% of normal last year. Sorghum harvest progress across Plains, yields good some areas. Maturity late-planted fields behind schedule. Condition across the State was 83% of normal with 11% excellent; 57% good; and 32% fair. Corn harvest active High Plains, operations complete some counties. Harvest high-moisture grain complete. Some corn turned down as food corn because of insect damage and cracked kernels. Most yields Plains good to excellent. Weekend rains southern and eastern part State greatly benefit many small grain fields. Some producers waiting moisture before seeding wheat and oat fields. Northern High Plains, dryland wheat stands not emerged because poor moisture conditions. Low Plains some fields completely dried before emerging and be replanted. Planting full swing Blacklands and South Central Texas. Some dryland peanut fields complete failure Cross-Timbers. Harvest active, yields fair. Harvest some progress Edwards Pla-

teau, heavy weed populations problem some fields. Soybeans along coast matured rapidly under dry, summer weather, heavy foliage drop problem scattered fields. Some stands not harvested because poor pod set. Few fields Blacklands plowed under because poor crop prospects. Harvest well under way High Plains. Second-crop rice harvested when weather permits. Yields good. Late sunflower fields dying down High Plains, harvesting operations active. Cotton open bolls 59%, 63% 1981, 64% average. Cotton harvested 19%, 18% 1981, 24% average. Sorghum turning color 97%, 98% 1981, 97% average. Sorghum mature 83%, 87% 1981, 87% average. Sorghum harvested for grain 74%, 76% 1981, 77% average. Wheat planted all purposes 53%, 60% 1981, 62% average. Wheat emerged 20%, 38% 1981, 40% average. Corn for grain harvested 88%, 87% 1981, 85% average. Peanuts harvested 30%, 30% 1981, 42% average. Soybeans harvested 13%, 14% 1981, 17% average. Sugarbeets harvested 4%, 4% 1981, 7% average. Sunflowers harvested 38%, 46% 1981, 40% average. Oats planted 34%, 49% 1981, 55% average.

Commercial vegetables: Lower Rio Grande Valley, fall vegetables good progress, recent showers should alleviate some irrigation needs. Harvest early oranges underway, most citrus is sizing well. Coastal Bend, early cucumbers nearing harvest, but majority crop needs rain. Laredo, fall broccoli planted. San Antonio-Winter Garden, fall cabbage good progress, some fields harvested. Harvest carrots, broccoli and cucumbers underway. East Texas, sweetpotatoes and watermelons still being harvested. Trans-Pecos, bell pepper harvest active. Some tomato fields harvested, but poor quality scattered areas. Cabbage is making good progress, and harvest start soon. Plains, light supplies carrots and bell peppers still moving to market. Pecan shucks splitting Central to East Texas.

Ranges and pastures: Scattered showers southeastern part State boost winter grasses. Some pastures South Texas remain dry despite showers, local auctions are active as producers cull their herds in response to short grazing. Edwards Plateau plenty of dry grass remains but quality poor. Native pastures High Plains good condition, and yearlings going to market heavier than normal. Producers across the Plains buying stockers for wheat pasture. Livestock good to fair condition, and supplemental feeding continues active.

UTAH: Recurring periods precipitation principally northwest. Accumulated amounts moisture ranged from little or none, to locally heavy along Wasatch Front. Average temperatures continued well below normal. Averages ranged from 3 to 10° below normal.

Fall harvest made slow progress as fields remained too wet to work. Frost has ended the growing season over most of State. Corn silage 51% cut -- remainder ready, but fields still wet. Some grain corn being cut for silage. Grain not mature when frost hit. Third crop alfalfa 70% cut. Much damage to hay in fields and in open stacks from heavy rains. Alfalfa seed 40% cut. Some will not be harvested because of rain damage. Onions 60% dug and potatoes 36%. Dry, warm weather needed badly. Apple harvest at peak. No frost damage reported. Livestock and range conditions generally good. Some cattle and sheep trapped in high mountain snow.

VIRGINIA: No well organized weather systems. Rainfall of 0.50 to slightly over 1.00 in. west and southwest last half of period. In the east and north only widely scattered showers with no rain in many areas. Temperatures well above average. Highest in low 90's in southeast and lowest around 40 in the north.

Light scattered showers and warm temperatures allowed 5.7 days suitable for fieldwork. Main activities were corn, bean, peanut, vegetable harvests, apple picking, livestock care and marketing and tobacco marketing. Topsoil moisture rated 57% short and 43% adequate. Corn for grain 97% mature, 98% 1981; harvested 50%, 60% 1981, 57% average. Cut for silage 96%, 90% last year. Soybean leaves dropped on 49% of crop; harvest 6% complete, 8% 1981, 3% average. Winter wheat seeding 13% complete, 12% 1981, 11% average; oats 44% seeded, 68% 1981, 44% average; barley 34% seeded, 48% 1981, 33% average. Peanuts 81% dug, 73% in 1981, 40% average; combined 55%, 46% 1981, 23% average. Apples 59% picked, 62% 1981, 59% average. Sweetpotatoes 65% dug, 67% 1981, 52% average. Harvest of sorghum for grain getting underway. Fall vegetable harvest going well. Pastures stressed and haying limited. Cattle vaccinating and warming active. Feeder sales active.

WASHINGTON: A weak frontal system moved through 2nd and 3rd, but only light amounts of precipitation were received. A vigorous frontal system from the Gulf of Alaska then spread clouds into the State on 4th. As it moved through late 5th and 6th, some moderate rain and gusty winds were reported in west. Most of the precipitation reported was associated with this front. The front also brought cooler air, keeping weekly average temperatures below seasonal normals. Showers and even a few thunderstorms followed in the front's wake on 7th and 8th. Only light precipitation amounts were reported for those two days.

West: Freezing temperatures in some areas forced harvest of tomatoes, potatoes, broccoli, corn, squash, and pumpkins. Carrot, pepper, and pea harvest continues. Daffodil, tulip, hyacinth bulbs still being planted. Livestock in good condition. Some ranges getting short. Seeding of new pasture nearing completion. Green chopping and silage corn harvest continues.

East: Winter wheat and barley planting progressing with good soil moisture. Silage corn harvest nearly over. Corn for grain harvest just started. Potato harvest still going strong with excellent quality. Dry beans and third cutting of alfalfa hay still being finished. Apple and grape harvest continues. Golden Delicious apples nearly complete, Red Delicious apples 50% harvested with yields 10% below estimates for Chelan County. Livestock in good condition and being moved to fall pastures and hay fields. Ranges and hay supplies short in some areas. Winter wheat plantings 80% this year and last, average 74%.

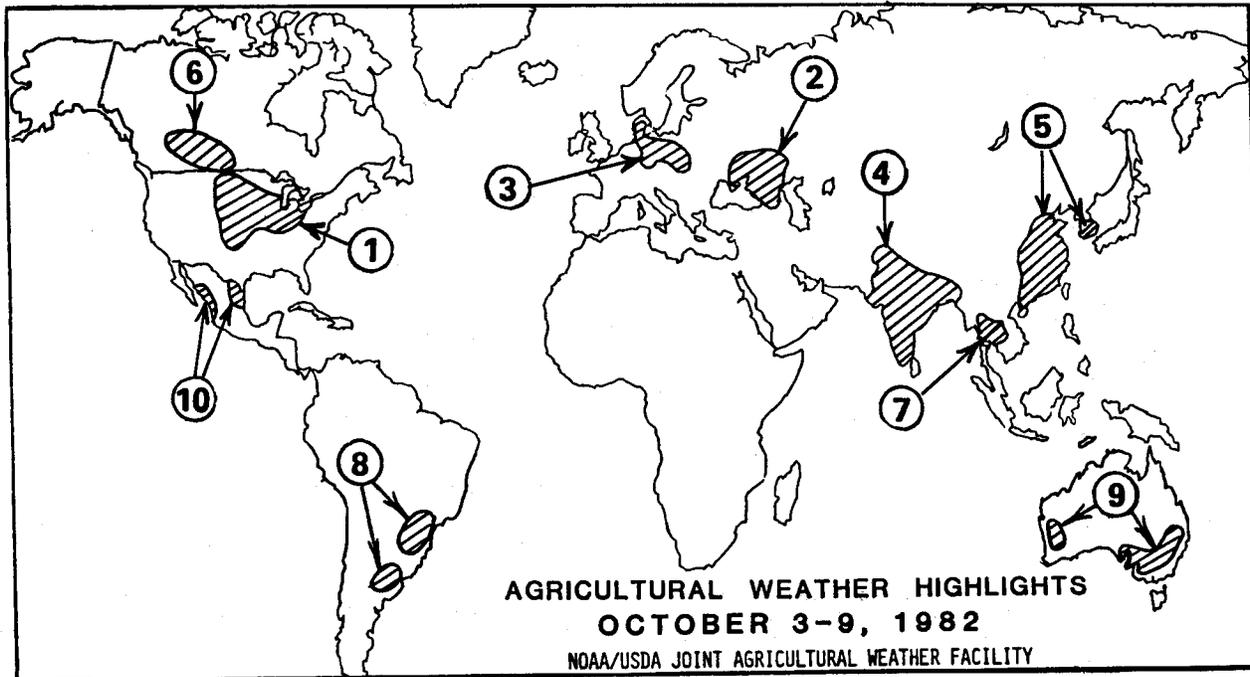
WEST VIRGINIA: Temperatures averaged nearly 10° above normal. High 88°, low 40°. Precipitation slightly below normal. Range: Trace to 1.10 in. Soil moisture short to adequate. Days worked averaged 5.3. Main activities: Corn harvesting, hay harvesting, and maintenance. Corn reported in good to fair condition; 36% harvested, 32% in 1981. Fall seeding of wheat 45% complete, barley 54%, 68% and 83% respectively in 1981. Hay fair to good condition, 2nd cutting 96% complete, 82% of normal, 3rd cutting 78% complete and 81% of normal. Pasture in fair condition. Tobacco good to fair condition; 100% topped, 97% harvested. Harvest completed in 1981. Fruit in fair condition. Remaining gardens in fair condition.

WISCONSIN: A very mild week with temperatures reaching into the 80's. Temperatures averaged 3° above normal, ranging from a very pleasant 86° in Cambridge on the 6th to a frosty 30° in Wisconsin Rapids on the 8th. Widespread showers fell on 7th in northern and western areas and across the entire State on 8th. Superior recorded the heaviest 24-hour total, receiving 1.72 in. on the 6th. Most

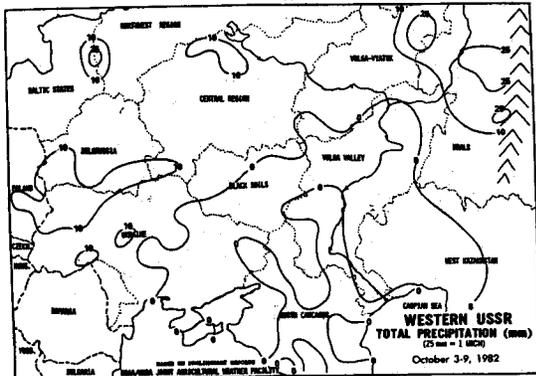
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International Weather and Crop Summary

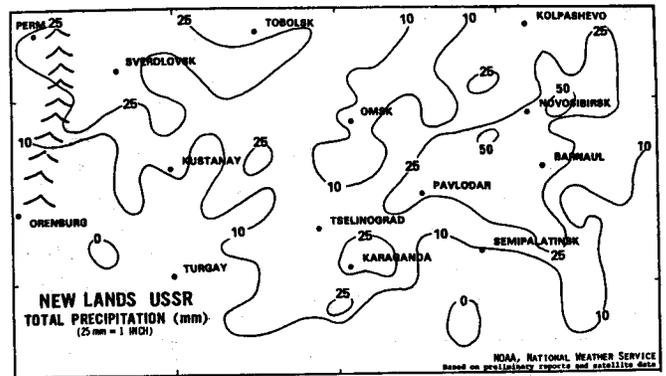
October 3-9



1. **UNITED STATES:** In the Corn Belt, generally dry conditions aid harvest in the East, while warm weather hastens maturity in the West. Showers benefit winter wheat in the central Plains. Livestock suffer in cold rain and snow in northern Plains.
2. **USSR:** Below-normal temperatures slow newly emerged grains already stressed by continued dry weather in southeast.
3. **EUROPE:** Showers improve winter grain planting conditions in East Germany; unfavorably dry conditions continue in Poland.
4. **SOUTH ASIA:** Very little rain; conditions unfavorably dry in many areas.
5. **EASTERN ASIA:** Favorable harvest weather covers nearly all crop areas.
6. **CANADA:** Too wet for late crop harvests in northern areas of Saskatchewan and Alberta; elsewhere, harvest is mostly complete.
7. **SOUTHEAST ASIA:** Lighter rainfall in Thailand; moisture mostly adequate.
8. **SOUTH AMERICA:** Showers benefit wheat in Argentina; wet weather hampers wheat harvest in Brazil.
9. **AUSTRALIA:** Devastating drought continues in east and south, but rain in Southeastern Queensland and vicinity aids sorghum planting; favorable weather for crops in West.
10. **MEXICO:** Rains benefit crops and livestock over the northeast, while dry weather favors replanting of vegetables destroyed by Hurricane Paul on the west coast.



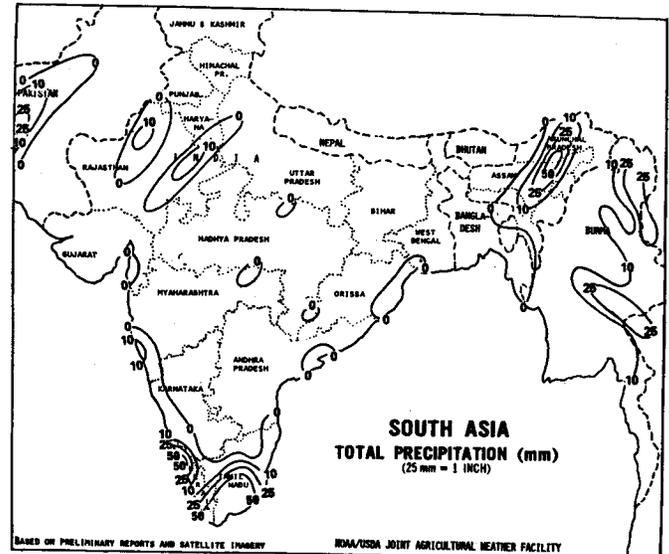
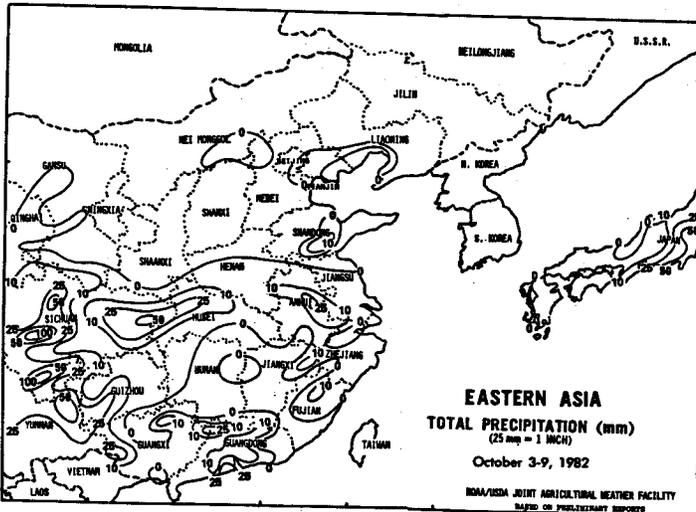
USSR: Widespread showers covered western and northern crop areas with rainfall amounts varying around 10 mm. The moisture benefited winter grains in the vegetative stage. In contrast, mostly dry weather covered much of the major winter grain area located in southeast European USSR. Moisture conditions appear adequate for winter grains in the eastern Black Soils and central Volga Valley. Continued dry weather further south, however, may be causing emergence problems particularly in the eastern Ukraine and northern North Caucasus. Showers and warmer temperatures are much needed to ensure early crop establishment before dormancy, normally in early November. Temperatures this week were unfavorably low, 4-6°C below normal, slowing the growth of



newly emerged grains already stressed by continued dry weather.

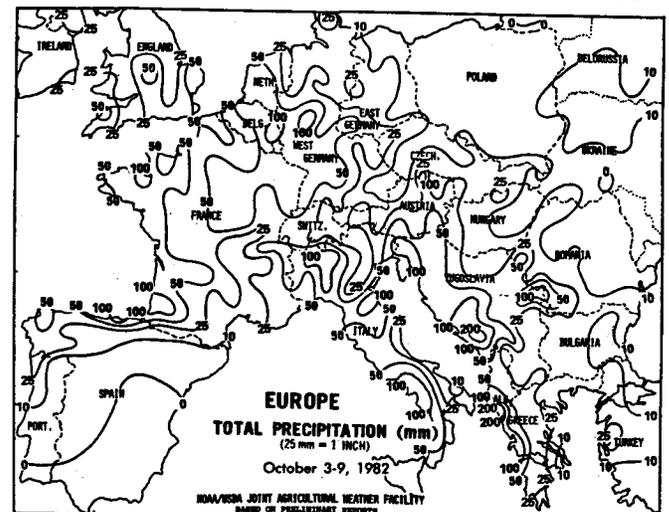
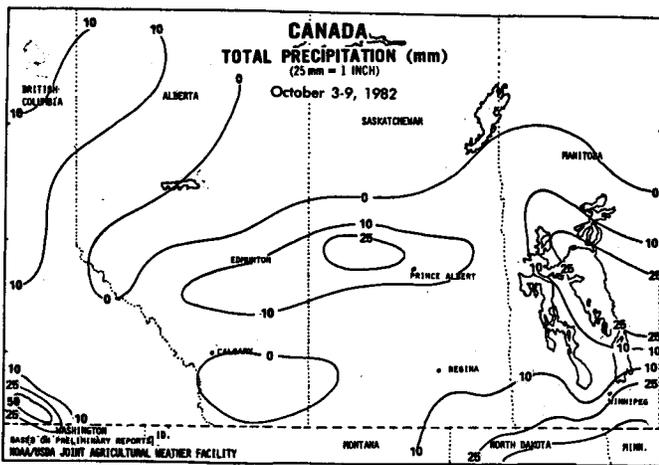
In the New Lands, wet weather covered most crop areas. The precipitation fell as rain in the south, and snow delayed final harvest efforts in the north. Weekly temperatures were well below normal in many areas. Weekly coverage of the New Lands will be suspended until next spring's planting season.

In South Central USSR, wet weather covered eastern cotton areas. Precipitation amounts ranged from 25 to 50 mm, possibly delaying the cotton harvest which normally ends by late November.



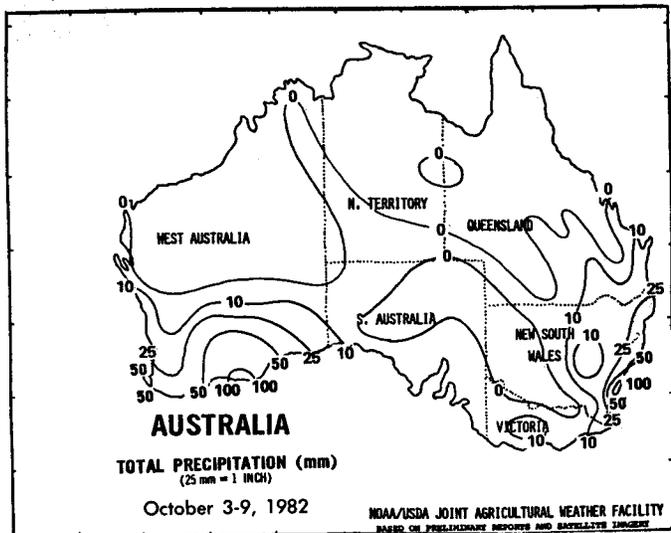
EASTERN ASIA: Most agricultural areas of China had only light rainfall. These conditions favored harvest activity, while soil moisture remained good for early growth of winter grains. Fields in Hebei likely had to be irrigated as above-normal temperatures allowed vigorous wheat growth to continue. Rainfall slackened somewhat in Guangdong and had little impact on maturing late rice. At the week's end, wet weather was developing in the hills around the Sichuan Valley. In South Korea, rainless weather favored rice harvesting, but additional moisture will be needed before successful winter grain sowing can be accomplished in November.

SOUTH ASIA: Only isolated light rainshowers fell over the region, except for the southernmost tip of India. Normally, post-monsoon showers should have continued in the northeast, with abundant rains in the south. Across northern India, potential crop impacts have been similar to last year. Drier than normal conditions prevail in winter grain areas as the dry season begins, portending unfavorable planting conditions in November unless exceptional rains develop. Winter-harvested rice in northeastern India is being affected by dryness as it approaches the flowering stage of development. Unfavorable dryness persists in Gujarat, and crops on the Indian peninsula will soon come under stress unless there is a resurgence of late-season rains.

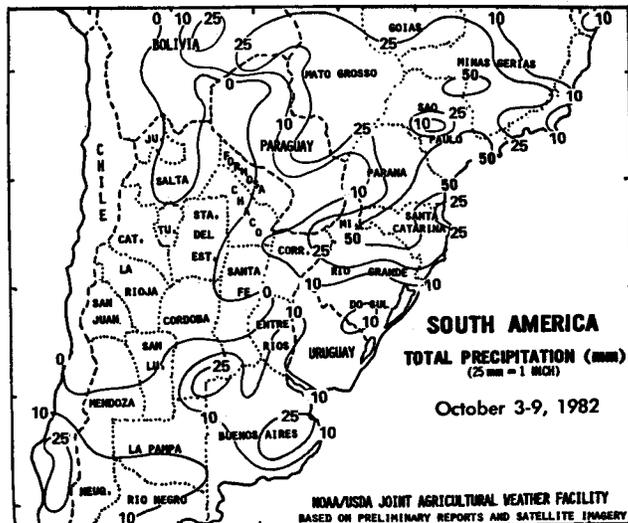


CANADA: Harvesting was virtually complete in Manitoba and southern Saskatchewan; however, precipitation in the form of both rain and snow caused further delays in the late harvests in northern crop areas of Saskatchewan and Alberta. The quality of harvested grains and oilseeds may be adversely affected by the recent moisture. Despite the cold, wet weather, which has impeded harvesting in northern crop areas and caused frost-related quality reductions, the Canadian Prairie harvests are expected to produce abundant crops. Looking towards next year's crops, the recent rains provided a good start towards replenishment of soil moisture reserves. Weekly weather summaries will be discontinued until next spring's planting season.

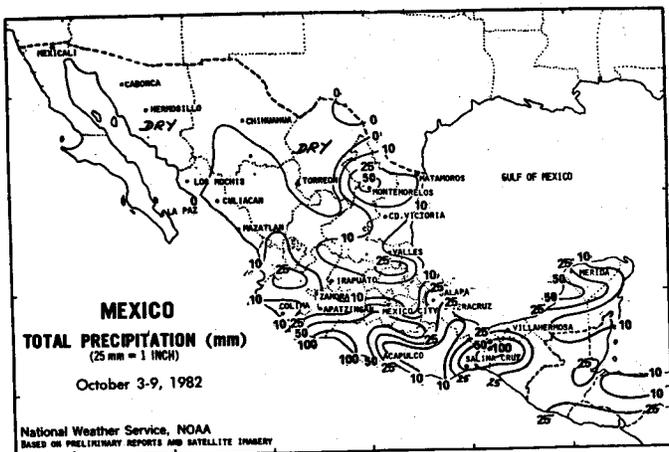
EUROPE: Wet weather continued over England, France, northern Italy, and much of central Europe. Rainfall amounts increased, with amounts greater than 50 mm reported in many areas. The moisture benefited emerged grains, but if the rainy pattern persists, some emergence problems due to seed rot may occur in wettest areas. Showers in East Germany ended a persistent dry pattern, but more rain is needed for winter grain planting. In contrast, most of Poland continued unfavorably dry for uniform grain emergence. In the southeast, showers benefited most of Hungary, Yugoslavia, and Bulgaria, with lighter amounts of rain falling on northern Romania. Weekly temperatures were above normal over north-central and northeastern areas and below normal elsewhere.



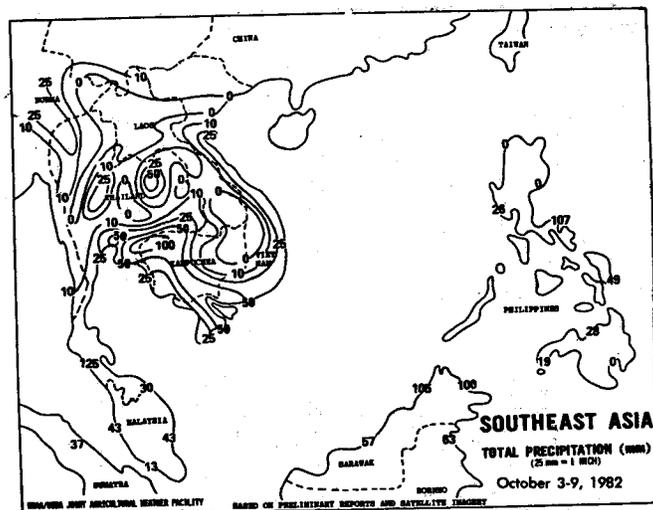
AUSTRALIA: The worst drought in recent history continued to plague the wheat areas of eastern and southern Australia. Crop failure is unavoidable in many areas due to the lack of sufficient moisture to sustain vigorous growth throughout the growing season. Rain fell over southeastern Queensland and eastern New South Wales late in the week which, although too late to substantially benefit wheat, will aid planting of sorghum, corn, and other crops. Additional rains will be needed in these areas within the next few weeks to encourage early growth of summer crops. The wheat harvest has begun in central Queensland, but the bulk of the crop harvest does not begin until next month. Showers in Western Australia during the week maintained favorable growth conditions for wheat and barley.



SOUTH AMERICA: Most crop areas of Brazil and Argentina received some moisture, but weekly rainfall amounts were highly variable. Northern crop areas of Brazil benefited from widespread rains which will aid planting of corn, soybeans, and other spring-sown crops. The rain interfered with Parana's wheat harvest and maintained persistently wet conditions in northern Rio Grande do Sul where the wheat harvest is just beginning. The warm, humid winter months have adversely affected wheat yields. In Argentina, some rain fell in most crop areas as wheat advances into the reproductive period and as the planting season begins for corn, sorghum, first-crop soybeans, sunflowers, and other crops. Rainfall amounts were highly variable throughout Argentina's crop areas, but northern cotton areas and southwestern wheat areas were generally the driest.



MEXICO: Moderate to heavy rains were particularly helpful to agriculture over the northeast. Critically stressed citrus trees, rangeland, and livestock should recover somewhat after an unusually dry, hot summer. The tropical rainy season continued over the southern third of the country; a few spots had over 100 mm. Elsewhere, generally dry weather prevailed, allowing replanting of fall vegetables destroyed by Hurricane Paul on the west coast and harvesting of mature crops.



SOUTHEAST ASIA: Rainfall became more scattered over Thailand. Many areas had little or no rainfall, but other locations had normal or slightly greater amounts. Reservoir levels in the north improved only marginally. Most rainfed crop areas had adequate moisture due to recent generous rains, and only localized areas in the west remained too dry. Satellite imagery indicated that little rain fell in Laos and eastern Kampuchea, while Vietnam had rains along the coast and western Kampuchea was wet.



National Weather Summary (continued from front page)

and in the Southeast had little rain, but most of the East recorded moderate to heavy showers. High winds, hail, and a few tornados were reported in the central Plains.

SATURDAY . . . The winter storm centered in the northern Plains and brought strong wind and blinding snow to the High Plains of Wyoming and South Dakota. Cold rain or snow covered the northern Plains from Nebraska and Colorado northward. Showers and thunderstorms continued from the Plains to the central Great Lakes and from southeastern Texas to the Ohio Valley, and across the Appalachians through Virginia and North Carolina. Showers covered the northern Appalachians from eastern New York to the coast and the coast of Maine. Temperatures were much cooler throughout the Plains and the Northeast.

State Summaries (continued from p. 16)

districts reported precipitation totals in the 0.50 to 1.50 in. range.

Fieldwork: 5 days suitable. Mild temperatures helped speed crop maturity. Currently 90% of the corn crop mature, 100% 1981, 98% average. Very little of the crop has been harvested for grain, 3%, 4% 1981, 8% average. Harvesting corn silage was a major fieldwork activity; currently 42% complete, 63% 1981, 72% average. Fall plowing continues; 12% complete, 14% 1981, 14% average. Farmers beginning to combine soybeans, 10% har-

vested, 4% 1981, 8% average. Soybean yields have ranged up to 50+ bushels in southeastern. Some 3rd and 4th crop hay was made. Some dairymen and livestock farmers continue to make good use of pastures. Pastures were rated at 83% of normal, 93% 1981, 83% average. Topsoil moisture supplies were rated 14% short, 47% adequate, and 39% surplus. Precipitation has been heavy in the north central district where reporters rated supplies 100% surplus. Many specialty items such as apples, onions, peppers, squash and pumpkins abound at direct marketing outlets.

WYOMING: Continued cool and wet. Temperatures 5 to 10° below seasonal. Precipitation above normal with exception of Snake and Green and Bear Drainages where precipitation below seasonal normal.

Topsoil moisture adequate. Snow storm swept through the State 8th and 9th. Average 4 days suitable fieldwork. Snow, rain, wind slowed harvest and damaged some crops. Winter wheat planted: 95%. Winter wheat emerged: 80%; year ago, 85%. Condition good most areas. Most small grains harvested. Corn silage harvested: 85%; year ago, 95%. Corn for grain harvested: 5%; year ago, 15%. Potatoes harvested: 65%; year ago, 40%. Sugarbeets dug: 20%; year ago, 25%. Dry beans windrowed: 85%; year ago, most. Dry beans combined: 55%; year ago, 90%. Fall, winter grazing prospects mostly good to excellent. Stock water supplies adequate most areas. Moving cattle and weaning calves. Winter feed supplies look good.

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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