

# WEEKLY WEATHER AND CROP BULLETIN

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

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

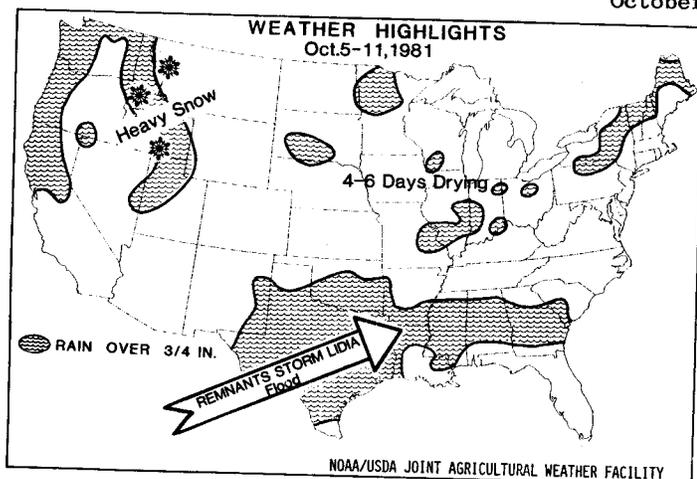
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WASHINGTON, D.C.

Oct. 14, 1981

## National Weather Summary

October 5-11, 1981



showers spread into northern Louisiana, southern Arkansas, and central Mississippi. Wet and windy weather persisted in the Northeast from Pennsylvania northward. Light rain spread throughout the Northwest from central California to Wyoming and northward. The coldest air did not move further south but freezing temperatures were reported through Minnesota, northern Iowa, and parts of Wisconsin.

**THURSDAY...**The cold front moved slowly through the South spreading showers and thunderstorms from Texas to Georgia and northern Florida. The Pacific front moving into the western Plains triggered light showers from Texas to North Dakota and throughout the northern Rockies. Some heavy rain fell along the coasts of Washington and Oregon. The wedge of freezing temperatures moved over Wisconsin and Michigan. Most of the Nation remained cool all day.

**FRIDAY...**Showers and thunderstorms continued from eastern Texas through Georgia and northern Florida and from Tennessee through South Carolina. The heaviest and most widespread showers were in Mississippi. The Pacific cold front moved slowly through the eastern Plains to the Mississippi River Valley and trailed into New Mexico. Drizzle and light rain fell along its track from Oklahoma northward. Freezing weather reached from northern Michigan through western New York and Pennsylvania to West Virginia.

**SATURDAY...**Moderate showers fell over parts of a thirsty Southeast. Lighter showers were in the lower Mississippi Valley and northward into Virginia. Showers, with snow in the mountains, spread from most of the Pacific coast through the northern two-thirds of the Plateau to the northern Rockies. Typical fall temperatures prevailed over  
(Continued on page 12.)

**HIGHLIGHTS:** Rain wet the Corn Belt early in the week but several days of beneficial dry weather followed. Light rain and drizzle began in the western portion as the week ended. The greatest accumulation of rain was across the South and in the Pacific Northwest. A slow-moving cold front moved through the South, encountering moisture-laden air from the Gulf of Mexico. High-level moisture moved over Mexico and resulted in heavy thunderstorms through Texas and Oklahoma. Heavy rain fell along the Pacific Northwest coast and moderate rain with heavy snow in much of the area covered the northern Rockies.

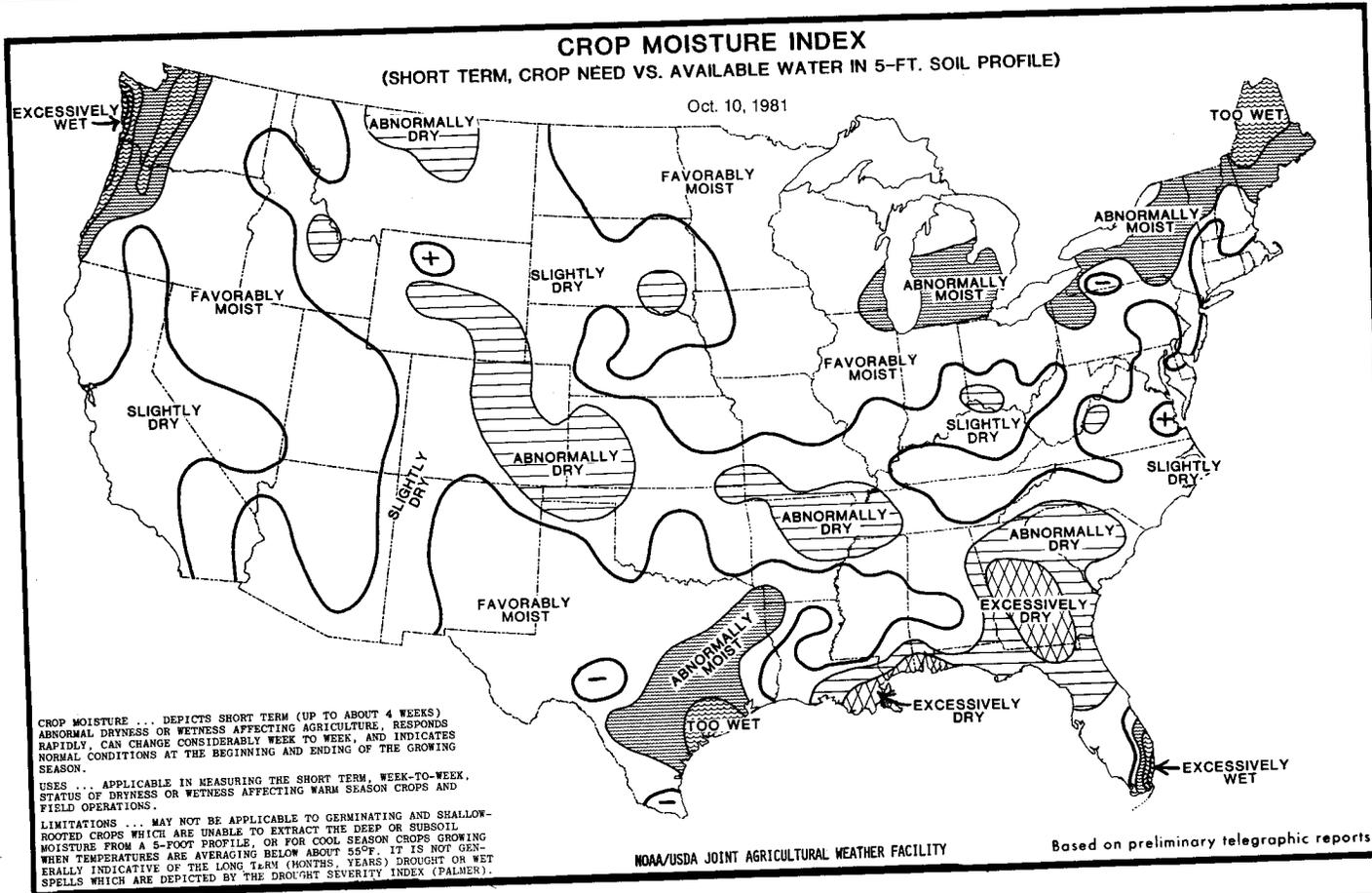
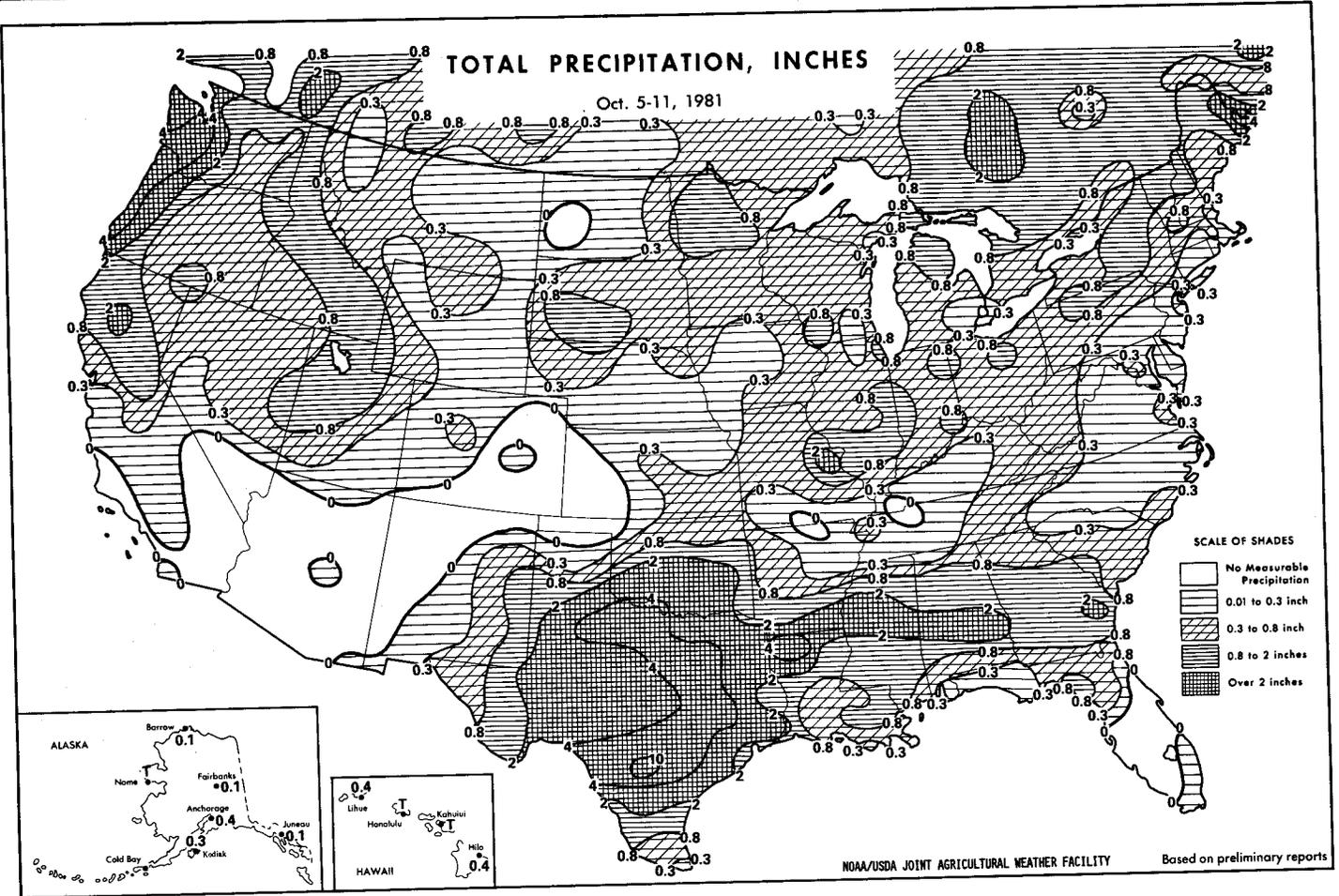
**MONDAY...**A complex frontal system spread showers and thunderstorms as it moved to a line from western New York and Pennsylvania to Iowa and then to western Texas. Very heavy thunderstorms developed in Missouri, Illinois, and eastern Oklahoma. A Pacific front triggered some moderate showers over Washington and western Oregon. Some heavy snow accumulated in the mountains. A very cold air mass moved southeastward through Montana but southerly winds pushed ninety degree temperatures into Missouri and Illinois.

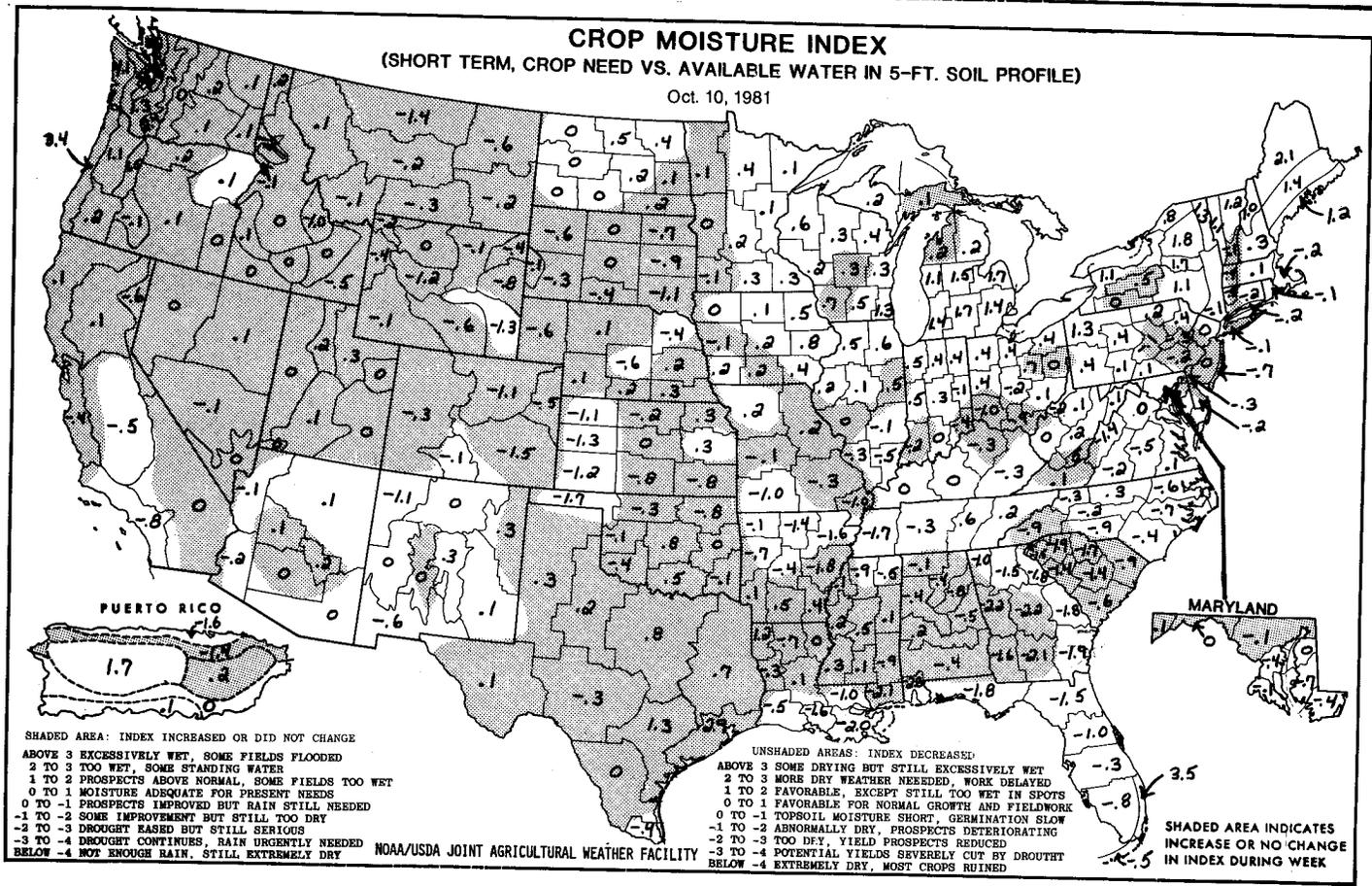
**TUESDAY...**The frontal system moved into the Northeast and triggered widespread showers from the upper Ohio Valley and Maryland northward. Heavy showers and thunderstorms at the southern end of the front covered Texas and reached into New Mexico, Oklahoma, and the lower Mississippi Valley. Showers spread through the Pacific Northwest from northern California to the northern Rockies. The cold air dropped into the northern Plains and carried freezing temperatures as far south as central Nebraska.

**WEDNESDAY...**The rain continued in Texas but was concentrated over the eastern portion. Heavier

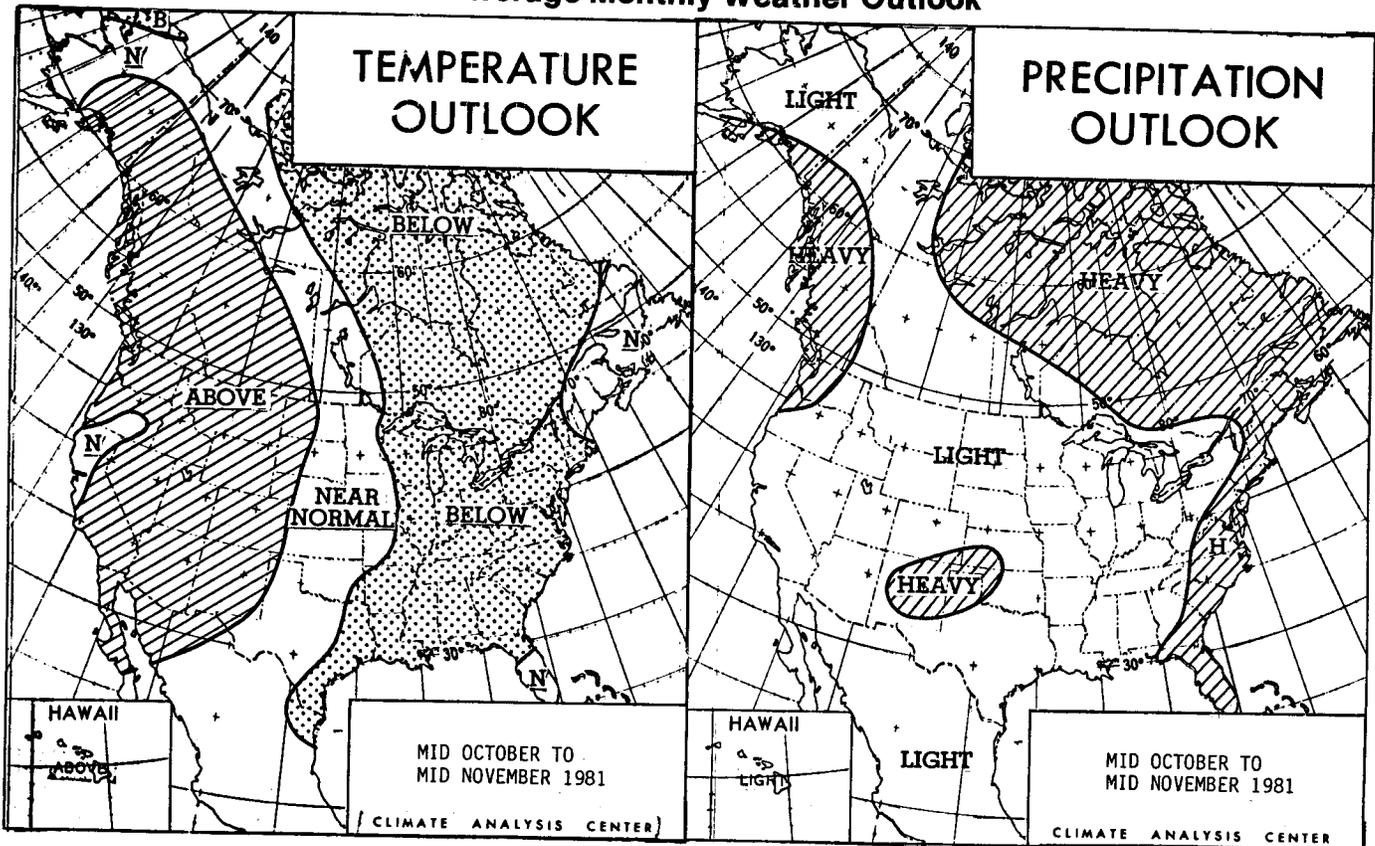
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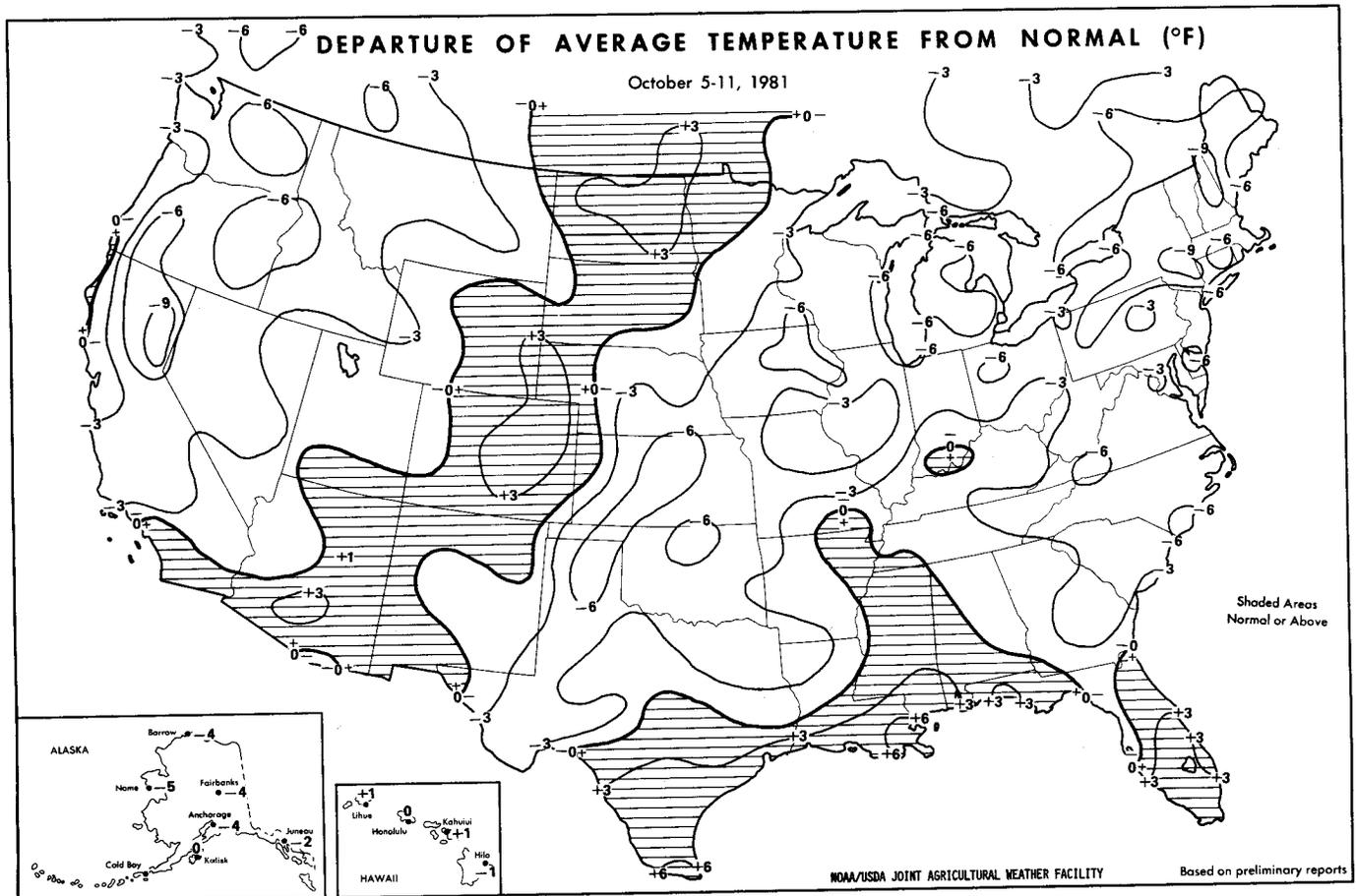
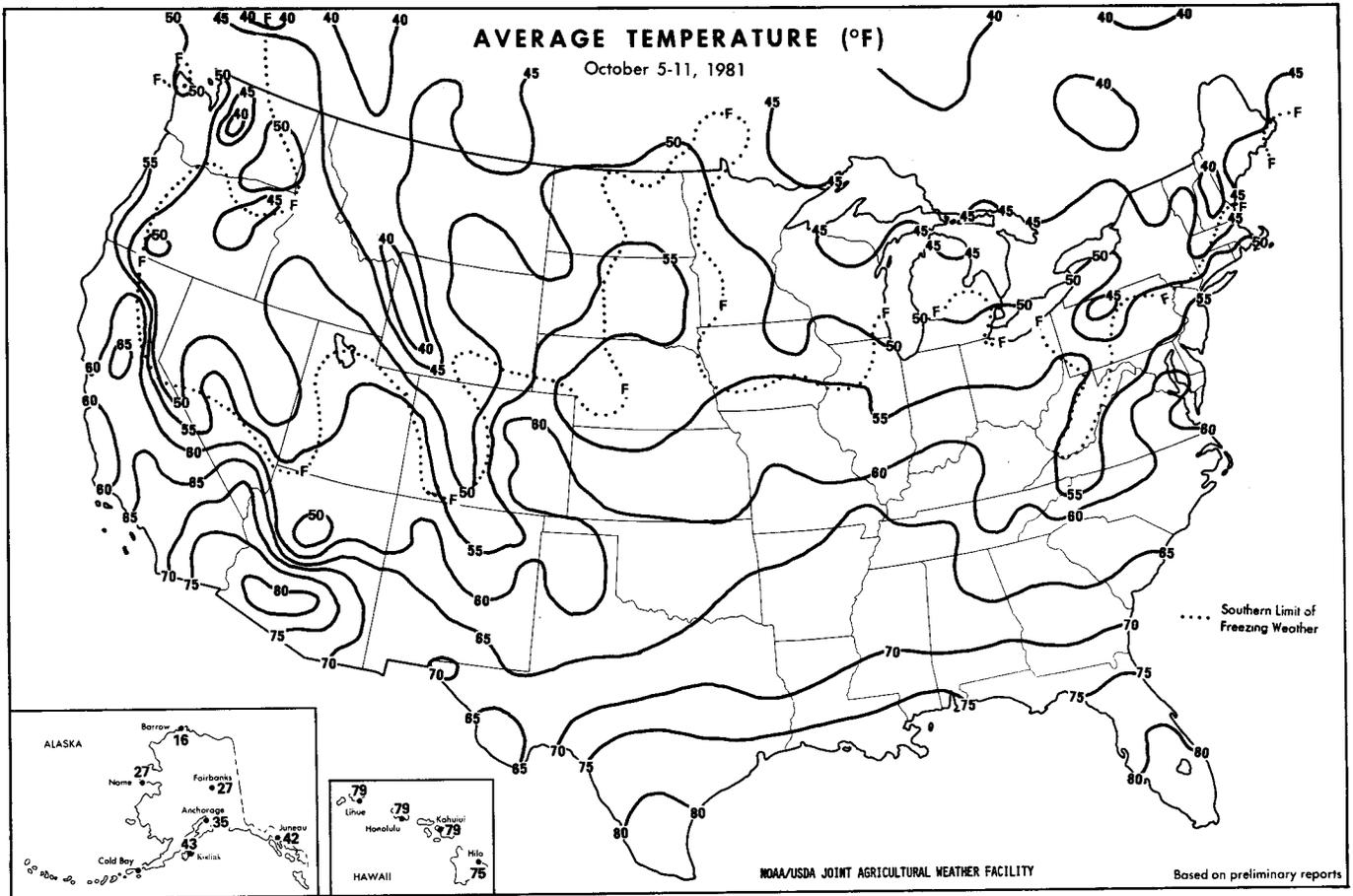
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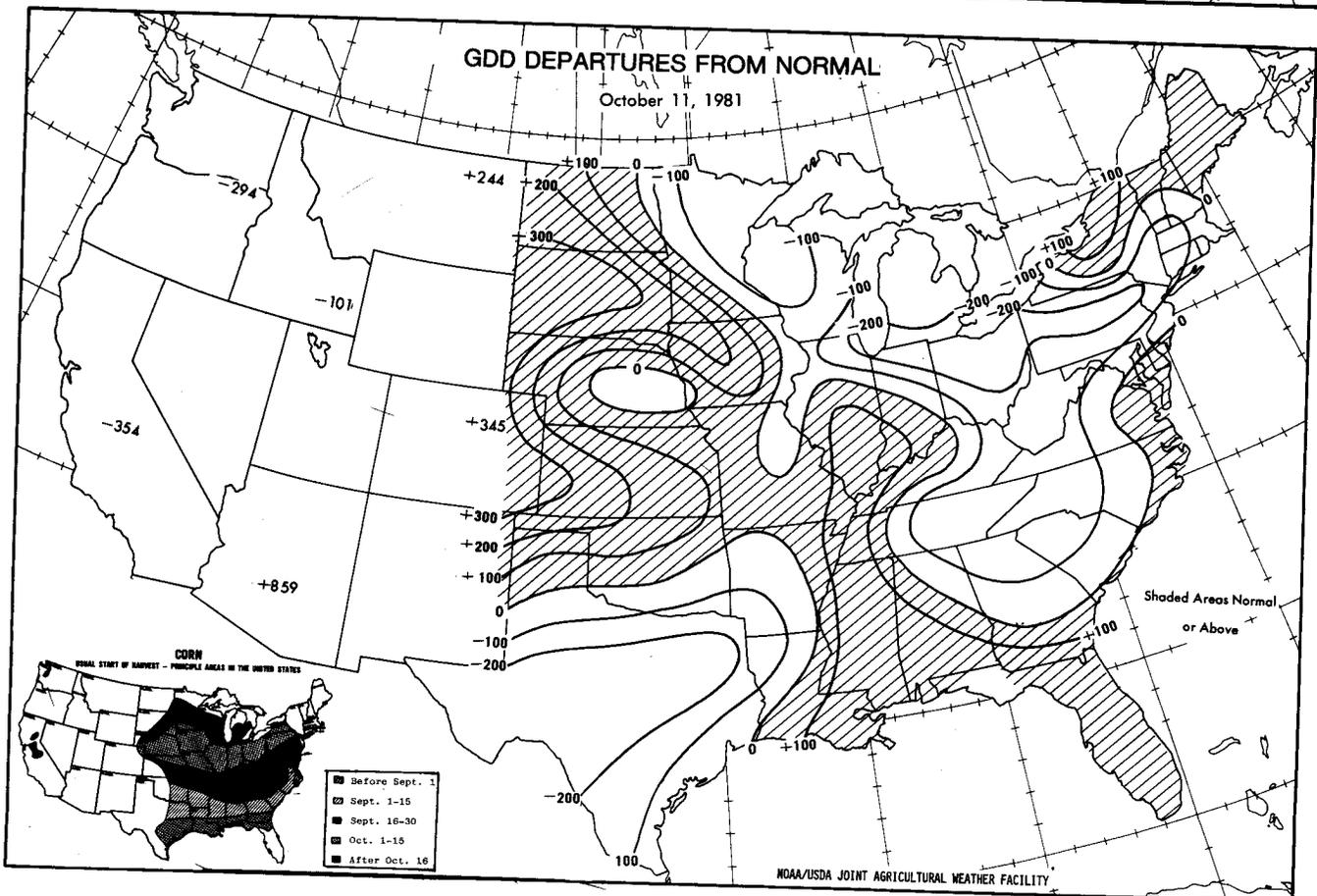
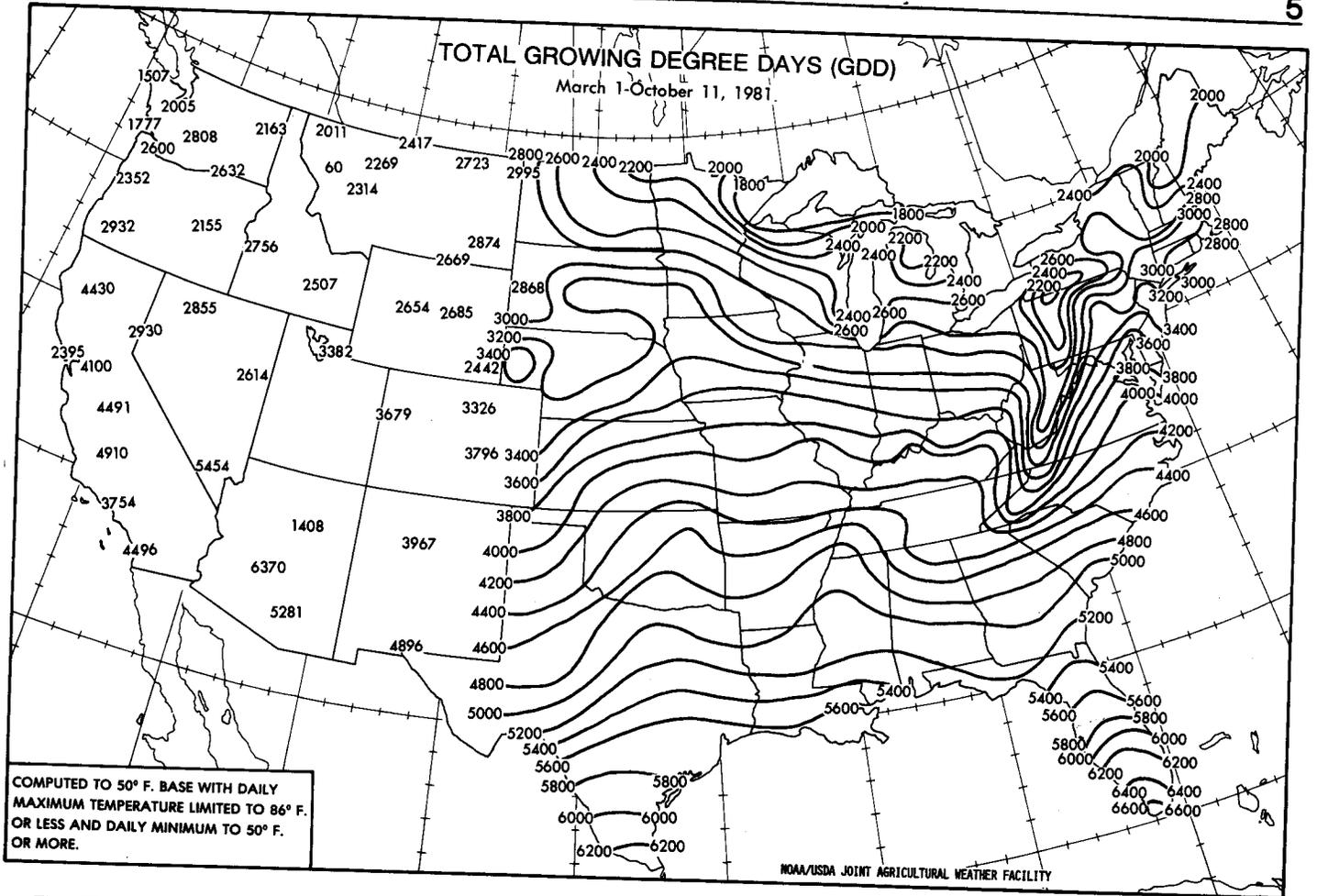




### Average Monthly Weather Outlook







Weather Data for the Week Ending Oct. 11, 1981

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. 31	PCT. NORMAL SINCE Aug. 31	TOTAL, IN., SINCE Jan. 1	PCT. NORMAL SINCE Jan. 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	75	56	89	52	65	-1	1.0	.4	.6	3.5	73	32.1	75	88	57	0	0	4	1
MOBILE	86	66	92	61	76	5	.2	.6	.2	4.3	52	48.8	86	93	53	1	0	2	0
MONTGOMERY	77	60	89	52	69	8	2.5	2.0	1.2	4.6	84	38.7	97	90	54	0	0	3	0
AK ANCHORAGE	41	29	43	23	35	-4	.4	0	.4	2.9	91	15.8	134	82	54	0	4	1	0
BARROW	18	14	25	8	16	-4	.1	.1	.1	.7	88	—	—	100	99	0	7	2	0
FAIRBANKS	32	22	37	13	27	-4	.1	.1	.1	1.2	80	8.3	89	87	65	0	7	3	0
JUNEAU	50	34	54	31	42	-2	.1	1.7	.1	11.1	112	38.5	97	94	55	0	3	1	0
KODIAK	49	36	54	29	43	0	.4	1.1	.3	7.6	87	52.6	124	74	49	0	2	2	0
NOME	34	21	36	17	27	-5	T	.3	T	1.3	43	13.3	102	78	57	0	7	1	0
AZ FLAGSTAFF	63	39	69	34	51	1	.4	0	.4	3.1	124	19.5	127	92	41	0	0	0	0
PHOENIX	91	68	96	66	80	4	0	.1	0	1.5	188	5.9	111	56	19	6	0	0	0
TUCSON	87	60	89	55	73	1	0	.2	0	1.1	61	13.3	145	62	24	0	0	0	0
WINSLOW	76	47	78	44	62	1	0	.2	0	2.0	154	8.2	117	—	—	0	0	0	0
YUMA	93	64	98	63	79	0	0	.1	0	0	0	1.4	58	55	22	6	0	0	0
AR FORT SMITH	73	56	90	52	65	-2	.4	.3	.3	2.3	49	31.7	92	93	54	1	0	4	0
LITTLE ROCK	72	58	90	52	65	-1	.2	.5	.1	2.7	56	34.6	91	87	57	1	0	3	0
CA BAKERSFIELD	77	56	87	54	67	-3	T	0	T	.7	700	5.1	124	75	69	0	0	5	1
EUREKA	62	51	67	46	56	1	1.7	1.2	1.0	3.0	214	22.0	87	92	69	0	0	5	1
FRESNO	74	51	85	47	63	-4	T	0	T	0	0	7.5	107	87	41	0	0	2	0
LOS ANGELES	74	60	76	59	67	1	T	0	T	.4	400	7.0	88	83	56	0	0	0	0
RED BLUFF	71	52	79	49	62	-6	1.8	1.6	1.2	2.2	314	18.5	127	85	41	0	0	4	1
SAN DIEGO	73	65	76	61	69	1	T	0	T	0	0	8.5	135	86	61	0	0	1	0
SAN FRANCISCO	67	52	72	49	60	-2	.3	.1	.2	.8	160	13.0	102	88	51	0	0	2	0
STOCKTON	75	49	79	40	62	-4	.1	0	.1	.3	75	9.5	102	91	35	0	0	0	0
CO DENVER	75	44	80	40	60	4	T	.3	T	.5	29	11.2	82	73	21	0	0	0	0
GRAND JUNCTION	68	45	75	39	57	-2	.2	0	.2	1.5	125	6.6	108	81	33	0	0	1	0
PUEBLO	78	48	86	45	63	5	T	.2	T	.5	45	6.9	62	76	26	0	0	0	0
CT BRIDGEPORT	60	44	65	35	52	-7	.1	.5	.1	6.0	150	23.8	81	83	45	0	0	1	0
HARTFORD	59	40	64	32	50	-5	.2	.5	.1	6.1	127	25.1	76	82	40	0	1	2	0
DC WASHINGTON	69	52	83	46	61	-2	.6	0	.6	3.1	74	25.7	82	80	46	0	0	1	1
FL APALACHICOLA	84	65	88	63	74	1	T	.9	T	2.5	23	32.3	64	90	63	0	0	0	0
DAYTONA BEACH	84	66	90	60	75	0	0	1.4	0	7.6	78	32.9	76	96	62	1	0	0	0
FORT MYERS	90	73	92	70	82	3	0	1.3	0	7.2	65	50.8	103	99	56	5	0	0	0
JACKSONVILLE	83	63	91	56	73	0	.7	.6	.3	2.2	22	27.1	57	99	63	2	0	4	0
KEY WEST	87	79	89	78	83	2	T	1.4	T	6.7	68	22.0	67	91	72	0	0	1	0
MIAMI	89	75	92	73	82	3	.1	2.0	.1	15.1	122	47.4	93	89	52	3	0	1	0
ORLANDO	91	68	94	63	79	3	0	1.1	0	8.3	89	39.0	85	97	45	5	0	0	0
TALLAHASSEE	83	64	90	61	74	2	.4	.4	.4	5.3	65	41.9	79	95	52	1	0	0	0
TAMPA	86	67	88	63	76	0	T	.7	T	6.2	79	34.3	77	98	54	0	0	0	0
WEST PALM BEACH	89	72	93	70	81	2	.2	2.1	.1	9.5	69	41.3	80	92	54	3	0	3	0
GA ATLANTA	73	55	89	52	64	-1	1.7	1.1	1.2	7.0	163	32.7	83	91	56	0	0	2	1
AUGUSTA	75	48	90	41	62	-5	1.1	.5	.9	1.8	42	32.9	91	99	48	1	0	3	2
MACON	75	56	92	49	66	-3	1.8	1.3	.8	3.5	85	36.3	99	94	55	1	0	3	2
SAVANNAH	75	59	90	56	67	-3	.8	0	.5	3.6	51	34.7	78	92	62	1	0	3	0
HI HILO	82	67	84	66	75	-1	.4	1.8	.3	16.0	144	—	—	93	67	0	0	5	0
HONOLULU	87	72	87	69	79	0	T	.2	T	.3	33	5.9	39	82	53	0	0	2	0
KAHULUI	89	68	90	64	79	1	T	.2	T	.7	117	—	—	75	46	2	0	1	0
LIHUE	87	71	88	68	79	1	.4	.3	.3	2.6	87	—	—	91	58	0	0	3	0
ID BOISE	62	39	75	31	50	-5	.7	.6	.4	1.0	167	10.0	115	77	36	0	2	3	0
LEWISTON	57	43	61	37	50	-5	1.1	.9	.5	2.2	183	11.1	109	91	57	0	0	4	1
POCATELLO	60	38	72	25	49	-3	.9	.8	.5	1.1	157	10.0	125	86	40	2	3	1	
IL CAIRO	72	54	89	44	63	-2	0	.6	0	2.1	46	34.6	91	—	—	0	0	0	0
CHICAGO	62	39	66	32	50	-7	.8	.3	.8	4.3	110	34.7	130	95	50	0	1	2	1
MOLINE	64	40	71	31	52	-6	.4	.3	.3	6.5	127	29.7	96	91	49	0	1	2	0
PEORIA	68	45	79	36	57	-2	.3	.3	.3	2.4	52	35.7	120	89	49	0	0	2	0
ROCKFORD	65	40	69	32	52	-4	.1	.7	.1	6.1	113	30.4	98	87	40	0	1	1	0
SPRINGFIELD	71	46	89	36	59	-2	.1	.6	.1	1.9	41	41.9	144	80	36	0	0	2	0
IN EVANSVILLE	74	50	90	39	62	0	.3	.2	.3	2.4	65	35.8	106	78	39	1	0	2	0
FORT WAYNE	62	43	71	34	52	-5	1.0	.3	.9	4.5	122	31.1	107	87	52	0	0	2	1
INDIANAPOLIS	67	46	81	33	57	-2	.3	.3	.2	2.3	59	31.1	99	78	42	0	0	2	0
SOUTH BEND	62	42	70	36	52	-5	.1	.6	.1	4.3	100	33.3	113	97	53	0	0	1	1
IA BURLINGTON	66	45	75	37	56	-3	.5	.3	.5	5.2	102	38.2	129	87	43	0	0	1	1
DES MOINES	66	44	81	35	55	-3	.2	.4	.2	3.0	71	26.4	96	88	47	0	0	2	0
DUBUQUE	60	42	65	34	51	-4	T	.7	T	6.1	103	—	—	92	52	0	0	0	0
SIoux CITY	66	41	74	33	54	-3	T	.4	T	1.2	33	15.5	67	95	42	0	0	1	0
KS CONCORDIA	64	45	71	38	55	-6	.2	.3	.2	3.0	71	29.8	119	94	53	0	0	1	0
DODGE CITY	64	50	73	44	57	-5	T	.4	T	3.1	124	20.7	111	88	58	0	0	0	0
GOODLAND	69	47	73	41	58	1	T	.3	T	.4	20	20.1	131	89	44	0	0	0	0
TOPEKA	68	47	85	36	57	-4	T	.6	.1	3.9	85	33.6	111	92	51	0	0	1	0
WICHITA	66	50	82	42	58	-5	.4	.3	.3	3.7	74	21.0	77	93	60	0	0	2	0
KY LEXINGTON	69	49	76	38	59	-2	.1	.4	.1	2.1	60	29.0	80	93	46	0	0	1	0
LOUISVILLE	71	51	81	41	61	0	.1	.5	.1	3.3	83	27.9	79	84	42				

Weather Data for the Week Ending Oct. 11, 1981

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. 31	PCT. NORMAL SINCE AUG. 31	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
LAKE CHARLES	86	66	90	61	76	3	.3	-.5	.2	3.2	57	42.9	98	97	62	1	0	3	0
NEW ORLEANS	88	69	91	64	78	6	1.0	-.4	.7	5.9	86	47.2	101	97	61	3	0	2	1
SHREVEPORT	73	60	93	51	66	-4	3.8	3.2	1.4	7.3	174	37.3	106	100	76	1	0	4	3
ME CARIBOU	49	36	60	32	42	-4	.7	0	.6	3.9	83	36.1	131	87	54	0	0	4	1
PORTLAND	56	39	62	33	47	-4	.6	-.1	.6	7.1	165	35.4	118	83	42	0	0	3	1
MD BALTIMORE	65	45	78	37	55	-5	.1	-.6	.1	3.7	86	25.5	79	80	41	0	0	1	1
MA BOSTON	58	45	62	37	52	-6	.1	-.5	.1	3.6	86	22.2	70	77	49	0	0	2	0
CHATHAM	57	46	61	41	51	-	.6	-	.5	6.0	-	32.2	-	81	57	0	0	2	0
MI ALPENA	52	35	55	26	44	-7	1.2	-.8	1.2	4.5	110	18.2	81	99	66	0	0	4	1
DETROIT	60	43	69	35	51	-5	.1	-.5	.1	6.3	197	26.8	104	88	53	0	0	1	0
FLINT	56	38	63	33	47	-7	.3	-.2	.3	9.0	257	30.0	123	91	58	0	0	1	0
GRAND RAPIDS	61	39	67	33	50	-5	.5	-.1	.4	10.3	234	39.5	152	88	52	0	0	2	0
HOUGHTON LAKE	54	39	59	30	46	-5	1.0	-.4	.8	2.9	66	25.6	111	97	60	0	1	2	1
LANSING	58	38	64	31	48	-6	.2	-.3	.1	8.3	237	28.1	115	99	65	0	1	2	0
MARQUETTE	51	36	54	26	43	-4	.7	-.1	.6	4.7	89	26.2	91	97	59	0	2	2	1
MUSKEGON	58	40	62	31	49	-6	.6	0	.3	6.3	143	26.0	105	97	58	0	2	2	1
SAULT STE. MARIE	52	34	58	28	43	-6	1.3	.7	1.3	4.0	80	21.6	87	98	63	0	3	2	1
MI DULUTH	52	39	56	30	46	-3	.7	-.1	.5	4.1	98	24.4	95	96	64	0	1	4	0
INT'L FALLS	55	40	59	29	47	0	.7	-.2	.3	7.0	167	20.0	88	95	62	0	1	5	0
MN MINNEAPOLIS	59	41	64	31	50	-4	.5	0	.3	2.6	72	23.4	102	86	53	0	1	4	0
ROCHESTER	57	37	62	30	47	-6	.4	-.1	.3	3.9	95	30.3	123	88	54	0	1	4	0
SAINT CLOUD	59	39	66	27	49	-2	.2	-.2	.1	3.0	86	21.2	88	89	53	0	1	3	0
MS JACKSON	78	62	92	52	70	1	1.5	1.0	.9	5.0	128	36.4	93	94	62	1	0	4	2
MERIDIAN	79	60	93	53	69	1	1.0	.5	.7	2.7	64	33.0	80	88	58	2	0	5	1
MO COLUMBIA	72	47	93	37	59	-2	.3	-.6	.2	1.3	22	40.2	124	93	42	1	0	3	0
KANSAS CITY	68	48	87	38	58	-3	.3	-.6	.3	3.4	59	35.4	110	84	43	0	0	3	0
SAINT LOUIS	70	48	90	40	59	-3	.9	-.3	.8	3.2	82	37.9	129	96	47	1	0	3	1
MT SPRINGFIELD	71	51	93	40	61	-1	.1	-.8	.1	.9	16	31.7	95	90	46	1	0	2	0
MT BILLINGS	63	38	73	30	51	-2	.4	-.2	.2	.7	37	14.4	117	79	31	0	2	2	0
GLASGOW	62	36	69	28	49	-1	.2	-.1	.1	.2	20	6.9	68	78	32	0	1	2	0
GREAT FALLS	59	37	75	25	48	-3	.3	-.1	.2	.7	44	12.8	97	73	34	0	2	3	0
HAVRE	60	33	73	23	46	-4	.3	-.1	.2	1.0	67	8.5	81	85	31	0	3	1	0
HELENA	57	33	71	24	45	-3	.3	-.1	.2	1.2	92	12.4	128	84	40	0	3	4	0
KALISPELL	55	31	67	19	43	-2	.1	-.2	.2	.5	31	15.4	117	82	40	0	3	2	0
MILES CITY	63	37	69	33	50	-3	.2	0	.2	1.3	81	8.9	71	93	38	0	0	1	0
MISSOULA	52	34	66	22	43	-4	.3	-.1	.2	1.4	100	14.0	131	90	49	0	2	4	0
NE GRAND ISLAND	65	42	71	36	54	-4	.2	-.2	.1	1.5	48	19.0	87	94	49	0	0	3	0
LINCOLN	65	43	72	38	54	-4	.1	-.4	.1	3.0	79	19.4	80	96	52	0	0	2	0
NORFOLK	66	42	74	36	54	-2	.3	-.1	.2	.9	29	17.7	80	92	41	0	0	3	0
NORTH PLATTE	64	40	71	31	52	-3	.1	-.2	.1	.4	15	21.2	115	95	46	0	2	2	0
NE OMAHA	63	45	69	40	54	-4	.1	-.4	.2	1.9	45	24.1	90	90	57	0	0	2	0
VALENTINE	64	41	76	32	53	-1	.7	-.5	.7	1.9	100	16.3	98	85	45	0	1	2	1
NV ELY	61	32	70	29	46	-3	1.5	1.3	.6	2.5	313	8.4	133	90	39	0	4	4	1
LAS VEGAS	82	58	88	55	70	-1	0	0	0	.4	100	2.8	88	51	20	0	0	0	0
RENO	64	35	78	28	50	-3	.3	-.2	.2	.3	60	3.1	57	87	31	0	3	3	0
WINNEMUCCA	62	33	76	22	48	-3	.8	-.6	.3	1.1	157	5.2	84	85	37	0	3	3	0
NH CONCORD	54	34	57	22	44	-8	.3	-.3	.3	5.8	141	33.0	122	95	51	0	2	2	0
NJ ATLANTIC CITY	66	44	77	36	55	-4	.3	-.7	.7	2.4	.57	-	-	92	47	0	0	0	0
TRENTON	64	48	74	37	56	-4	-	-	-	-	-	-	-	83	45	0	0	-	-
NM ALBUQUERQUE	73	47	77	43	60	-2	0	-.2	0	1.8	164	7.3	109	78	28	0	0	0	0
ROSWELL	72	53	81	49	63	0	.7	-.4	.6	3.7	168	24.2	252	96	52	0	0	5	1
NY ALBANY	55	37	60	26	46	-9	.4	-.3	.3	4.4	100	22.7	87	81	50	0	2	3	0
BINGHAMTON	53	39	64	31	46	-7	.8	-.1	.6	5.1	121	23.1	79	92	60	0	2	3	1
BUFFALO	57	41	67	34	49	-5	.4	-.2	.4	5.3	120	29.0	106	86	55	0	0	2	0
NEW YORK	61	49	69	40	55	-6	.2	-.5	.2	3.8	86	25.7	79	84	48	0	0	1	0
ROCHESTER	58	41	72	33	50	-5	.7	-.1	.4	6.9	197	28.5	116	94	64	0	0	2	0
NC SYRACUSE	58	40	71	31	49	-6	1.6	-.9	.6	7.9	208	24.9	89	94	60	0	2	3	2
ASHEVILLE	68	46	84	37	57	-3	.1	-.7	.7	1.7	34	26.7	72	93	50	0	0	2	0
NC CHARLOTTE	71	51	88	45	61	-4	.7	-.6	.6	3.5	78	26.8	76	78	39	0	0	1	0
GREENSBORO	69	46	86	40	58	-4	.1	-.6	.1	6.7	143	31.9	95	81	42	0	0	1	0
HATTERAS	70	56	79	48	63	-5	.6	-.5	.4	2.0	26	39.7	90	87	53	0	0	3	0
RALEIGH	72	48	88	40	60	-3	.1	-.5	.1	2.9	59	26.1	75	86	39	0	0	3	0
WILMINGTON	74	51	87	42	63	-6	.7	-.1	.6	1.7	24	37.1	82	89	41	0	0	2	1
ND BISMARCK	65	40	73	29	53	2	.8	-.5	.6	2.7	113	15.3	85	89	48	0	0	3	1
FARGO	61	43	69	33	52	1	.8	-.5	.6	2.7	113	15.3	85	89	48	0	0	3	1
WILLISTON	69	38	77	26	53	4	.1	-.1	.1	.7	41	9.9	76	83	35	0	2	1	0
OH AKRON-CANTON	62	43	77	34	52	-4	.6	0	.6	3.9	108	34.9	120	86	50	0	0	2	1
CINCINNATI	68	46	81	34	57	-3	.5	0	.5	1.9	56	27.8	88	81	40	0	0	1	1
CLEVELAND	60	44	72	35	52	-5	.5	-.1	.5	7.5	197	32.2	111	82	54	0	0	1	1
COLUMBUS	65	43	80	34	54	-4	.2	-.3	.2	2.5	76	32.2	105	78	45	0	0	1	1
DAYTON	66	43	81	34	55	-4	.3	-.1	.2	5.5	177	35.0	123	85	45	0	0	2	0
TOLEDO	60	41	68	31	51	-6	.3	-.2	.3	7.4	224	31.2	121	93	59	0	1	2	0
YOUNGSTOWN	62	41	72	31	52	-4	.5	-.1	.4	5.2	144	29.5	97	88	53	0	1	2	0
OK OKLAHOMA CITY	66	56	86	49	61	-5	2.2	1.5	1.9	5.3	110	32.6	118	96	68	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

Weather Data for the Week Ending Oct. 11, 1981

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. 31	PCT. NORMAL SINCE AUG. 31	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
OR TULSA	69	55	89	46	62	-4	.4	-.5	.3	3.5	61	28.3	89	94	59	0	0	3	0
OR ASTORIA	61	44	64	36	53	-2	4.5	3.3	1.7	8.6	179	42.8	103	89	63	0	0	4	4
OR BURNS	53	30	66	22	41	-9	.7	.5	.6	1.4	200	8.7	109	86	52	0	4	2	1
OR MEDFORD	60	45	74	39	52	-4	.8	.4	.4	1.5	125	7.8	61	91	64	0	0	4	0
OR PENDLETON	60	43	69	37	51	-5	.7	.5	.3	2.0	222	11.0	125	87	46	0	0	5	0
OR PORTLAND	59	48	63	41	54	-2	2.0	1.3	1.4	4.5	161	20.0	85	96	68	0	0	5	1
OR SALEM	60	44	64	36	52	-4	2.9	2.1	1.8	5.9	219	22.6	89	99	71	0	0	6	2
PA ALLENTOWN	61	43	74	35	52	-5	.2	-.4	.2	3.5	74	27.9	84	85	50	0	0	1	0
PA ERIE	58	44	70	35	51	-3	.7	-.1	.5	6.8	142	34.6	117	83	57	0	0	2	0
PA HARRISBURG	61	44	74	33	53	-6	.5	-.1	.5	3.3	89	28.3	99	86	48	0	0	1	0
PA PHILADELPHIA	64	45	77	39	55	-6	T	-.6	T	3.3	80	29.6	94	85	45	0	0	1	0
PA PITTSBURGH	60	42	75	31	51	-5	.4	-.2	.4	4.7	131	31.4	107	87	51	0	1	2	0
PA SCRANTON	59	43	67	33	51	-5	.6	0	.6	4.2	111	29.5	106	85	59	0	0	2	1
RI PROVIDENCE	59	39	65	28	49	-7	.3	-.4	.3	4.2	93	25.0	79	86	41	0	1	1	0
SC CHARLESTON	77	56	91	46	67	-2	.6	-.2	.4	1.9	28	42.4	94	86	47	1	0	3	0
SC COLUMBIA	77	52	93	41	64	-2	.4	-.3	.4	.8	14	28.5	72	88	35	1	0	1	0
SC GREENVILLE	72	51	88	43	61	-3	.2	-.6	.2	2.2	43	22.5	59	77	38	0	0	2	0
SD ABERDEEN	65	44	73	34	54	3	.6	.3	.5	1.5	65	14.7	85	84	44	0	0	2	1
SD HURON	66	43	75	37	54	1	.6	.2	.6	2.2	92	13.6	78	90	48	0	0	2	1
SD RAPID CITY	67	40	80	28	53	0	1.3	1.1	.8	1.7	100	13.4	82	87	41	0	1	3	1
SD SIOUX FALLS	66	43	75	35	54	0	.5	-.1	.5	1.3	36	14.9	66	84	38	0	0	3	0
TN CHATTANOOGA	72	51	87	43	61	-3	.6	-.1	.4	3.4	68	33.9	84	81	48	0	0	2	0
TN KNOXVILLE	68	53	83	45	60	-4	.3	-.3	.2	6.9	186	33.4	91	93	59	0	0	3	0
TN MEMPHIS	76	61	91	51	69	2	T	-.5	T	2.9	73	30.0	77	79	45	1	0	1	0
TN NASHVILLE	75	55	89	46	65	1	T	-.5	T	1.5	37	32.9	89	80	44	0	0	1	0
TX ABILENE	74	60	90	53	67	-2	2.3	1.7	1.6	4.0	121	18.5	93	95	65	1	0	4	1
TX AMARILLO	65	48	78	43	57	-6	.2	-.3	.1	3.9	144	18.4	106	99	68	0	0	3	0
TX AUSTIN	83	67	93	59	75	2	5.1	4.4	3.7	8.0	160	43.1	162	91	70	1	0	4	3
TX BEAUMONT	85	67	90	59	76	3	2.2	1.4	1.1	7.0	101	42.4	97	99	69	2	0	3	2
TX BROWNSVILLE	91	77	93	76	84	7	.1	-.8	.1	5.3	78	26.9	129	89	56	6	0	2	0
TX CORPUS CHRISTI	89	72	94	64	81	5	1.7	.9	1.5	2.3	36	33.6	139	96	63	6	0	4	1
TX DEL RIO	83	67	94	59	75	1	4.9	4.3	4.8	5.2	124	25.5	172	91	63	2	0	3	1
TX EL PASO	81	59	85	52	70	3	.4	.2	.3	.9	56	12.2	182	85	41	0	0	4	0
TX FORT WORTH	73	59	93	51	66	-4	4.0	3.3	2.7	6.4	145	32.9	122	96	71	1	0	4	3
TX GALVESTON	83	74	86	63	79	3	.8	0	.5	3.4	48	29.9	88	95	78	0	0	3	0
TX HOUSTON	86	68	93	59	77	4	3.7	2.8	1.4	12.6	200	45.4	120	97	69	3	0	5	3
TX LUBBOCK	65	54	80	48	60	-5	3.6	3.1	1.6	5.5	172	20.5	128	99	77	0	0	5	2
TX MIDLAND	75	59	88	53	67	-2	3.7	3.3	1.9	5.4	225	15.6	134	90	60	0	0	4	2
TX SAN ANGELO	75	60	87	53	67	-3	2.9	2.4	1.0	5.5	149	24.2	162	98	66	0	0	5	3
TX SAN ANTONIO	85	66	94	58	76	2	5.6	4.8	4.5	7.2	141	33.2	142	96	63	3	0	3	2
TX VICTORIA	87	68	91	60	78	3	1.1	.2	.6	3.3	53	35.6	128	95	64	3	0	4	1
TX WACO	77	63	93	54	70	-2	4.5	3.9	2.1	8.2	186	28.4	111	95	74	1	0	5	2
TX WICHITA FALLS	71	58	89	50	64	-5	4.0	3.4	3.2	5.6	137	26.7	114	99	67	0	0	4	2
UT BLANDING	64	45	71	38	54	-1	T	-.3	T	2.4	160	10.8	121	76	41	0	0	1	0
UT SALT LAKE CITY	64	46	75	42	55	-1	1.3	1.1	.7	2.5	250	11.8	100	86	42	0	0	4	1
VT BURLINGTON	53	37	58	29	45	-7	1.0	.3	.6	7.5	174	33.6	132	89	58	0	2	3	1
VA LYNCHBURG	68	47	85	35	57	-4	T	-.6	T	3.8	86	28.4	93	83	48	0	0	1	0
VA NORFOLK	71	52	87	43	61	-3	.1	-.7	T	4.0	69	31.1	84	82	43	0	0	2	0
VA RICHMOND	72	46	87	38	59	-3	.2	-.5	.1	3.2	65	28.6	83	87	42	0	0	2	0
VA ROANOKE	68	46	85	36	57	-4	T	-.8	T	4.8	98	23.3	74	82	44	0	0	1	0
WA COLVILLE	53	36	55	27	45	-5	.9	-.6	.5	3.0	231	19.5	168	94	68	0	3	4	0
WA OMAK	59	38	66	31	49	-	1.6	-	1.4	2.5	-	9.0	-	-	0	1	5	1	
WA QUILLAYUTE	58	40	59	30	49	-4	2.8	.5	.7	11.6	133	66.7	99	99	72	0	1	6	2
WA SEATTLE-TACOMA	57	46	60	41	52	-3	4.5	3.8	3.3	9.1	294	25.2	105	89	59	0	0	4	2
WA SPOKANE	52	37	59	32	45	-6	.9	-.6	.6	1.6	133	11.1	90	99	64	0	2	4	1
WA WALLA-WALLA	60	45	75	39	53	-5	1.2	.9	.7	2.4	185	16.4	139	88	52	0	0	5	2
WA YAKIMA	59	38	62	32	48	-5	.9	-.8	.8	1.6	267	4.9	94	82	48	0	2	2	1
WV BECKLEY	63	43	71	32	53	-3	.3	-.3	.3	6.1	139	30.4	87	91	48	0	1	2	0
WV CHARLESTON	68	44	76	32	56	-4	.3	-.2	.3	3.1	79	30.3	90	94	47	0	1	2	0
WV HUNTINGTON	70	47	80	37	58	-2	.3	-.2	.2	2.3	62	32.0	100	88	41	0	0	2	0
WV PARKERSBURG	65	46	78	36	56	-3	.4	-.1	.4	4.1	111	27.7	87	92	46	0	0	1	0
WI GREEN BAY	56	38	58	28	47	-6	.4	-.1	.4	4.1	100	18.8	81	97	56	0	1	2	0
WI LA CROSSE	60	41	64	34	51	-5	.2	-.3	.1	2.8	64	31.4	124	98	56	0	0	3	0
WI MADISON	60	37	63	27	49	-5	.2	-.3	.1	5.1	116	27.4	106	95	51	0	3	3	0
WI MILWAUKEE	55	41	58	35	48	-7	.4	-.1	.4	6.2	159	28.2	118	93	58	0	0	1	0
WI CASPER	65	36	74	24	51	0	.1	-.2	T	.3	23	9.2	99	75	26	0	2	2	0
WI CHEYENNE	67	39	74	34	53	2	T	-.2	T	.3	21	15.2	114	85	28	0	4	1	0
WI LANDER	62	35	72	28	49	-2	T	-.3	T	.6	38	9.5	82	72	29	0	4	1	0
WI SHERIDAN	67	33	74	26	50	-1	.5	.2	.3	1.1	61	12.8	91	81	27	0	3	3	0
PR SAN JUAN	94	76	98	75	85	4	.1	-1.1	.1	3.5	42	43.1	95	94	58	7	0	1	0

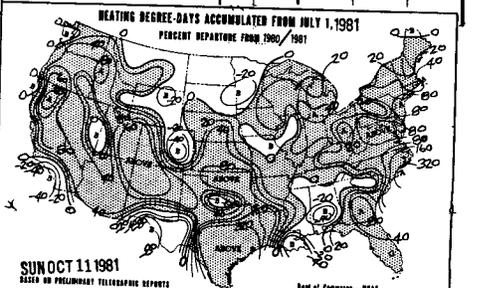
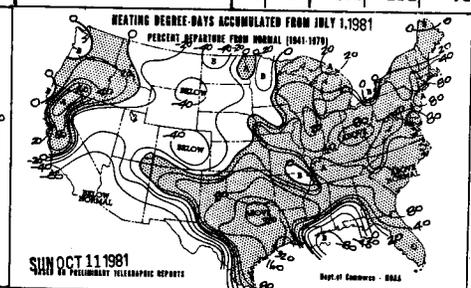
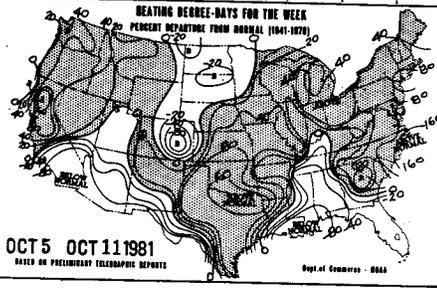
BASED ON PRELIMINARY REPORTS AND 1941-70 NORMALS

HEATING DEGREE DAYS (BASE 65°) FOR WEEK ENDING OCT. 11, 1981.

BASED ON 1941-70 NORMALS.

+ ACCUMULATION FROM JULY 1, 1981.

Table with columns for STATES AND STATIONS, WEEKLY DEPARTURE\*, SEASONAL ACCUMULATION +, and DEPARTURE FROM 1980-81. Rows list various states and cities such as ALA. BIRMINGHAM, ARIZ. FLAGSTAFF, CALIF. BAKERSFIELD, etc.



## National Agricultural Summary

OCTOBER 5-11, 1981

**HIGHLIGHTS:** Rain delayed harvesting of crops in the Corn Belt at the beginning of the week, but dry, cool air during the remainder of the week improved drying conditions. Rain and wet fields also slowed fieldwork throughout most of Texas, but dry weather persisted in most of the Delta and the Southeast. Farmers had 4 to 6 days suitable for fieldwork in nearly all areas of the Nation. Soil moisture supplies were adequate to surplus in parts of New England, Wisconsin and Minnesota, short to adequate in Missouri, Nebraska, the South Central States, and most of the West; adequate in the East North Central region; and very short to short in the Southeast and in North Dakota. Corn development and harvesting progress continued to lag behind normal. In the 17 major States, 92% of the crop was mature and 24% had been harvested, 5 points behind average. Leaves were dropping on 80% of the soybean acreage and combining advanced to 30% finished, 14 points behind a year earlier. Winter wheat seeding reached 71% complete; 47% of the acreage had emerged. Stands were generally in good condition. Bolls were opening on 77% of the cotton acreage; harvesting was 25% finished, 5 points behind a year ago. Sorghum harvest was 39% complete, lagging the average progress of 50%. Rice was 82% harvested. Apple harvest continued in full swing, but the fall vegetable harvest lost momentum as the season neared completion. Cattle continued to be moved from summer to winter grazing areas. Growers across the South planted crops for winter grazing.

**CORN:** Corn was in good to excellent condition in most areas of the Corn Belt, poor to fair in parts of the dry southeast, and fair to mostly good in other producing regions. Frost dipped into Ohio and killed or damaged some of the very late planted fields. In other areas, most of the crop was far enough advanced to escape damage. Development of the crop and harvesting progress continued to lag behind normal. In the 17 major producing States, 92% of the crop was mature and 24% had been harvested, 19 points behind last year and 5 points behind average. Combining should pick up momentum as most areas of the Corn Belt enjoyed good drying weather during the latter part of the week.

**SOYBEANS:** Soybeans were in good to excellent condition in parts of the Corn Belt and fair to mostly good in all other producing areas except parts of the Southeast where conditions were poor to fair. Frost damaged or killed some late-planted fields in Ohio and Kentucky. In the 18 major producing States, leaves were dropping on 80% of the acreage, compared to 83% last year. Harvesting was underway in all States. Combining in the 18 major States advanced to 30% complete, 14 points behind a year earlier. Progress was 17 points less than average in Illinois, 20 points less in Indiana, Kentucky, and Ohio, and 31 points less in Minnesota. Illinois farmers harvested 23% of their acreage during the week, Iowa farmers--21%, and Nebraska farmers--20%.

**SMALL GRAINS:** In the 15 major producing States, winter wheat seeding advanced to 71% complete; 47% of the planted acreage had emerged. Rainfall aided germination and growth and most stands were reported in good condition. Kansas farmers made excellent progress with seeding activities

during the week. Early-planted fields in Texas benefited from showers during the week, but some producers were waiting for additional soil moisture before planting will resume.

**COTTON:** Cotton was in fair to good condition except in Georgia where conditions remained poor to fair. In the 14 major producing States, bolls were opening on 77% of the acreage, 3 points less than a year ago. Harvesting reached 25% finished, compared to 30% last year. The Texas harvest made little progress due to wet fields. Cool temperatures slowed maturing and defoliation. Warm, dry conditions are needed to complete plant development.

**SORGHUM:** Sorghum harvest was 39% complete, compared to 56% last year and the average of 50%. Progress ranged from 12% harvested in Nebraska to 77% in Texas. Rain delayed harvesting in Texas. Producers are waiting for dry weather before resuming the harvest.

**OTHER CROPS:** Rice harvest was 82% finished, ahead of last year's 78%. Harvesting was nearly finished in Louisiana, completed in Texas, but only 30% done in California. In most States, progress was generally ahead of normal.

Tobacco growers were busy stripping the crop and putting it into barns for curing. Damp weather was needed in most areas.

Rain slowed the Idaho potato harvest. Digging was 53% complete, 7 points behind normal.

Peanut threshing was well advanced in most areas. Progress ranged from 32% complete in Texas to 87% finished in Mississippi. Little progress was made in Texas where rain delayed activities.

**FRUITS AND NUTS:** Apple picking continued in full swing as more varieties were ready for picking. Pecan harvests started in many growing regions. Florida's citrus groves were in very good condition, although irrigation continued and rain was needed. Harvest of early maturing fruit increased. Arizona's lemon harvest increased in volume. Other new crop fruit sized well and color was evident in early bearing orange and grapefruit varieties. California growers harvested walnuts, pistachios, kiwifruit, pomegranates, figs, lemons, Valencia oranges, and grapes.

**VEGETABLES:** Northern growers, who were spared serious frost damage, continued to harvest fall vegetables. Harvesting neared completion in many areas as cool weather moved in. Near ideal weather prevailed in Florida's vegetable growing areas as planting and fieldwork continued very active. Irrigation increased in some areas. Light volumes of early vegetables were harvested. California growers harvested a wide variety of vegetables.

**PASTURES AND LIVESTOCK:** Growers across the southern part of the Nation planted crops for winter grazing. Dry soils in some areas of the Southeast slowed germination and growth. Pastures and ranges rated fair to good in all areas except in parts of the Southeast and South Central region where conditions were poor to fair due to dry weather. Cattle were being moved from summer to winter grazing areas.

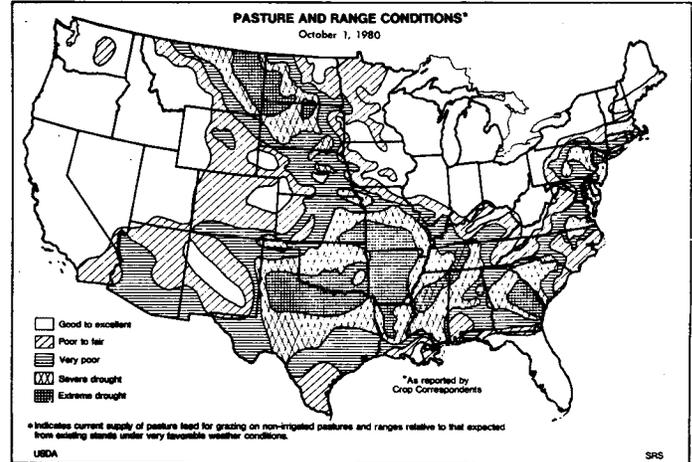
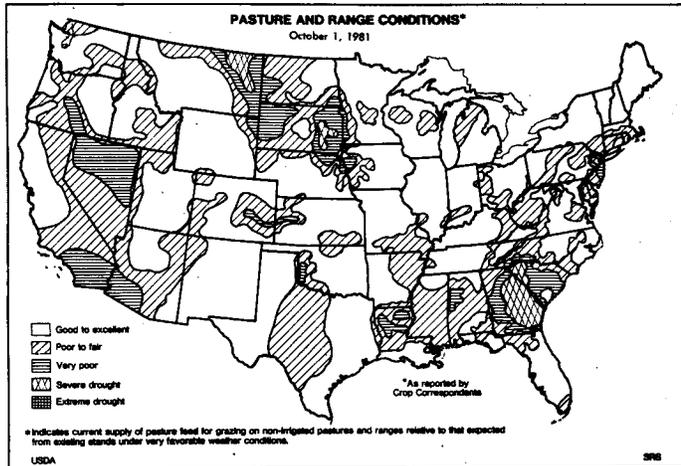
**CROP PROGRESS**

FOR WEEK ENDING OCT 11, 1981

CORN % MATURE			CORN % HARVESTED			WINTER WHEAT % PLANTED			WINTER WHEAT % EMERGED						
	1981	1980	AVG.		1981	1980	AVG.		1981	1980	AVG.				
COLO	86	90	91	COLO	11	27	28	CALIF	0	0	NA	CALIF	0	0	NA
GA	100	100	NA	GA	96	92	84	COLO	96	98	97	COLO	83	84	83
ILL	99	100	100	ILL	26	59	31	IDAHO	64	68	71	IDAHO	33	42	42
IND	80	99	97	IND	13	35	18	ILL	34	57	44	ILL	10	14	NA
IOWA	100	100	100	IOWA	26	42	30	IND	30	65	40	IND	10	20	15
KANS	90	98	96	KANS	40	65	50	KANS	85	80	80	KANS	50	45	NA
KY	95	99	95	KY	56	65	44	MO	32	49	36	MO	16	30	20
MICH	85	80	80	MICH	5	11	11	MONT	85	90	90	MONT	55	70	NA
MINN	96	99	96	MINN	9	15	28	NEBR	99	100	95	NEBR	92	98	NA
MO	91	100	90	MO	48	78	46	OHIO	40	70	60	OHIO	10	20	15
NEBR	85	100	94	NEBR	15	55	25	OKLA	75	50	65	OKLA	50	20	25
N C	100	100	NA	N C	87	82	79	OREG	53	62	NA	OREG	22	42	NA
OHIO	75	99	95	OHIO	10	30	20	S DAK	100	100	100	S DAK	85	97	99
PA	84	88	71	PA	13	25	12	TEX	62	58	65	TEX	37	44	NA
S DAK	89	98	100	S DAK	31	33	27	WASH	82	76	75	WASH	59	52	0
VA	99	99	NA	VA	64	59	53	15 STATES	71	70	NA	15 STATES	47	45	NA
WIS	96	100	98	WIS	4	9	9	EXCL. STATES WITH NA	73	72	72	EXCL. STATES WITH NA	47	40	33
17 STATES	92	98	NA	17 STATES	24	43	29	THESE 15 STATES PRODUCED 88% OF THE 1980 WINTER WHEAT CROP.							
EXCL. STATES WITH NA	92	98	96	THESE 17 STATES PRODUCED 93% OF THE 1980 CORN CROP.											

SOYBEAN % DROPPING LEAVES			SOYBEAN % HARVESTED			COTTON % HARVESTED			COTTON % BOLLS OPENING						
	1981	1980	AVG.		1981	1980	AVG.		1981	1980	AVG.				
ALA	67	71	NA	ALA	20	24	13	ALA	46	42	17	ALA	94	93	63
ARK	50	58	NA	ARK	10	9	8	ARIZ	20	10	9	ARIZ	98	98	98
GA	66	46	NA	GA	9	8	5	ARK	35	49	26	ARK	97	100	81
ILL	96	100	100	ILL	49	80	66	CALIF	5	3	NA	CALIF	95	75	NA
IND	90	99	99	IND	20	65	40	GA	42	69	28	GA	87	97	NA
IOWA	100	100	100	IOWA	65	73	61	LA	54	57	34	LA	100	100	85
KANS	80	80	NA	KANS	25	35	25	MISS	63	47	30	MISS	100	100	96
KY	54	93	85	KY	8	28	28	MO	17	66	31	MO	100	100	91
LA	64	67	64	LA	30	27	31	N MEX	4	3	5	N MEX	97	65	NA
MICH	100	96	100	MICH	10	20	19	N C	28	53	21	N C	99	95	NA
MINN	99	99	99	MINN	29	65	60	OKLA	10	5	5	OKLA	80	85	65
MISS	88	85	87	MISS	18	23	19	S C	42	48	33	S C	93	100	94
MO	63	75	69	MO	32	44	29	TENN	34	65	26	TENN	88	97	65
NEBR	96	99	96	NEBR	50	70	50	TEX	19	29	23	TEX	62	70	NA
N C	32	22	NA	N C	5	5	NA	14 STATES	25	30	NA	14 STATES	77	80	NA
OHIO	90	100	98	OHIO	20	65	40	EXCL. STATES WITH NA	27	34	23	EXCL. STATES WITH NA	95	97	84
S C	50	42	42	S C	3	3	2	THESE 14 STATES PRODUCED 99% OF THE 1980 COTTON CROP.							
TENN	68	79	64	TENN	9	13	11								
18 STATES	80	83	NA	18 STATES	30	47	NA								
EXCL. STATES WITH NA	86	91	89	EXCL. STATES WITH NA	31	48	38								
THESE 18 STATES PRODUCED 95% OF THE 1980 SOYBEAN CROP.															

SORGHUM % MATURE			SORGHUM % HARVESTED			RICE % HARVESTED									
	1981	1980	AVG.		1981	1980	AVG.		1981	1980	AVG.				
COLO	75	70	84	COLO	24	8	12	ARK	87	78	75				
KANS	65	70	85	KANS	15	30	35	CALIF	30	30	NA				
MO	80	89	88	MO	39	58	47	LA	99	96	97				
NEBR	85	100	85	NEBR	12	70	40	MISS	84	87	79				
OKLA	90	85	85	OKLA	30	35	25	TEX	100	100	100				
S DAK	91	90	90	S DAK	37	41	38	5 STATES	82	78	NA				
TEX	87	90	NA	TEX	77	81	77	EXCL. STATES WITH NA	92	88	86				
7 STATES	79	84	NA	7 STATES	39	56	50	THESE 5 STATES PRODUCED 98% OF THE 1980 RICE CROP.							
EXCL. STATES WITH NA	75	81	86	THESE 7 STATES PRODUCED 92% OF THE 1980 SORGHUM CROP.											
NA - NOT AVAILABLE															



**PASTURE AND RANGE FEED:** October 1 pasture and range feed condition averaged 80 percent for the 48 contiguous States. This is 17 points above a year ago and 2 points above the 1970-79 average for this date.

Dry conditions persisted in the West. However, in Idaho and Montana, cooler weather and showers late in the month helped reduce the threat of fire. California's pastures were good to excellent along the Coast but poor to fair

elsewhere. Range and pasture conditions in Texas continued to improve as adequate moisture and cooler temperatures promoted growth. The Southeastern third of the Nation experienced little regrowth. All States in this area reported poor to fair conditions except Georgia and South Carolina where conditions were very poor. The Northeastern half of the Nation reported mostly good to excellent conditions, a result of abundant moisture.

### National Weather Summary

(Continued from page 1.)

most of the Nation. Only the extreme southern parts of the States reached the lower nineties in the afternoon.

**SUNDAY...**Little or no precipitation fell east of the Mississippi River but nearly all of the West had some rain or snow showers. A complex frontal system moved to the northern Plains and trailed through the Rockies to Arizona. Moisture-laden air flowed across Mexico and from the Gulf to supply the ingredients for heavy thunderstorms in western Texas, central Oklahoma, and eastern Kansas. The rain was beneficial for winter wheat but some flooding occurred in Texas. Lighter showers covered the Plains. Some moderate to heavy snow fell in high elevations of the Rockies.

### MEDFLY SITUATION REPORT OCTOBER 9, 1981

A male Medfly was found on the 8th, 1/4 mile south of the existing spray area in Los Angeles County. A nine square mile area around the find will be sprayed on the 9th.

Two female Medflies, one on the 7th and one on the 8th, were found in the same trap in the Hayward/Castro Valley area about 3/8 mile outside the spray area. On the 9th, 17.8 square miles, including the area of the find, will be sprayed.

Los Angeles County is putting out more traps and cutting fruit. No larvae were found at either location of fly finds.

Regularly scheduled spraying continues in all areas (corridors). Rain and fog have at times interrupted spraying operations but applications have been continued as soon as weather conditions cleared. In some cases rain

immediately after an application has created the need for retreatment.

Notices are delivered door to door when a new area is sprayed for the first time. From then on, radio broadcasts 3 times a day are used to communicate spray zones and spray times so residents will be informed.

A subcommittee of the technical advisory committee met on the 2nd with Medfly staff and Project Director, Richard Rominger, to discuss the procedure to discontinue aerial treatment in the corridors. The group tentatively agreed to phase out areas where there have been no positive finds for a period of two life cycles. The agreement is subject to the review of the full Technical Advisory Committee.

Road inspection stations are now part of Medfly history, however, the quarantine is still in effect. Residents in the quarantined counties are still being reminded to keep home grown fruits and vegetables at home.

### State Summaries

(Continued from page 18.)

above normal all drainages except Lower Plate; 0.83 in. largest amount.

Topsoil moisture short 56% State. Average 6 days suitable for fieldwork. Winter wheat emerged: 85%; last year 90%. Winter wheat mostly good condition. Corn silage harvested: 95%; last year 85%. Corn for grain harvested: 15%; year ago 20%; normal 27%. Potatoes harvested: 45%; year ago, most; normal 79%. Sugarbeets dug: 25%; year ago 20%; normal 42%. Sugar content running around 15%. Dry beans combined: 90%; year ago 90%; normal 93%. Yearlings sold or delivered: 30%; last year 50%. Calves sold or delivered: 30%; last year 20%. Lambs sold or delivered: 50%; last year 45%. Fall, winter grazing prospects fair to good. Stock water adequate 65% State.

## 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 slightly above normal south, 2 to 5° below normal north. Cold front brought rains 8th to 10th; heaviest amounts 2.00 to 4.00 in. central.

Fieldwork: 5.0 days. Soil moisture adequate west central, short elsewhere. Activities: row crop harvest; hay, vegetable harvest; land preparation; wheat seeding. Soybeans: 92% turning, 90% 1980, 84% average; 67% dropping leaves, 71% 1980; 44% mature, 48% 1980, 49% average; 20% harvested, 24% 1980, 13% average. Cotton: 94% bolls open, 93% 1980, 63% average; 46% harvested, 42% 1980, 17% average. Peanuts: 84% dug, 62% 1980, 77% average, 78% combined, 59% 1980, 74% average. Corn 90% harvested, 92% 1980, 66% average. Sorghum 61% harvested. Wheat 18% seeded, 29% 1980, 36% average. Conditions: soybeans fair; cotton, peanuts mostly good; pastures poor.

**ARIZONA:** Mostly sunny, dry over except cloudy conditions, scattered showers 11th Mogollon Rim, White Mountains. Amounts mostly under 0.25 in. Average temperatures 3° below normal to 4° above.

Cotton very good progress, 98% open bolls, same as last year, 20% harvested, compared 10% last year. Sorghum harvest seasonal progress, latest plantings just reading out. Alfalfa haying seasonally active, regrowth good progress. Harvest corn for grain past peak, winding down, very good yields reported. Sugarbeets making good progress, weeding, thinning active, insect controls being applied as need. Land preparations, planting active small grains, alfalfa, many old stand alfalfa fields renovated. Lettuce harvest continued Cochise County. Harvest cantaloupes, honeydews active, mostly central areas. Lettuce central, western areas growing well, harvest lettuce central areas week away. Lemon harvest increasing volume, mostly Yuma area. Other new crop fruit sizing well, color evident early bearing orange varieties, some grapefruit. Groves putting on new growth result cooler weather. Ranges fair to good. Ranges where summer precipitation plentiful excellent. Livestock fair to good, cattle roundup continuing. Water supplies, soil moisture adequate.

**ARKANSAS:** Mild week, varying amounts rainfall. Highest temperatures, 96°, lowest 38°. All departures from normal -5 to +4°. Most rainfall 4.55 in., least trace.

Light showers and damp weather slowed rice and cotton harvests, insufficient to help late soybeans. Rice ripe 98%, 99% 1980; harvested 87%, 78% 1980, 75% average. Soybeans yellowing 76%, 66% 1980; shedding 50%, 58% 1980; mature 27%, 27% 1980; harvested 10%, 9% 1980, 8% average. Cotton open bolls 97%, 100% 1980, 81% average; harvested 35%, 49% 1980, 26% average. Corn harvested 94%, 100% 1980, 71% average. Sorghum harvested 93%, 92% 1980, 85% average. Soil moisture short, except extreme south adequate. Six days fieldwork. Livestock good. Pastures short.

**CALIFORNIA:** Some rain in all sections except south coast and southeast interior. Temperatures, however, almost uniformly down for the weekly average statewide. Greatest downturn from the normal average in the Sacramento Valley and Cascade-Sierra. Storms mostly

mid week produced enough rain to bring many locales in north above normal season totals. North coast had greatest average with Sacramento Valley next in line.

Rice 30% harvested, 30% last year. Momentum gaining with excellent yields. Rains in Sacramento and San Joaquin Valley delayed harvest. Cotton 5% harvested, 3% last year; 95% bolls opened. Defoliation nearing completion. Dry bean harvest resumed following rains. Damage minimal. Corn for grain and silage progressing. Alfalfa for silage hay and seed active. Walnut harvest continues strong. Pistachio harvest winding down. Kiwifruit harvest improving. Harvesting pomegranates, quince, figs, continued. Desert lemon harvest active. Valencia orange harvest tapering off. Grape harvest continued. Broccoli, cauliflower harvests heavy central coast. Brussels sprouts harvest active. Cantaloupe harvest decreasing San Joaquin Valley, increasing Desert. Carrot harvest active Salinas, increasing Kern district. Celery fairly heavy central coast. Lettuce harvest active central coast, started Brentwood. Green pepper harvest continues active. Potato harvest increasing Tulelake-Butte Valley. Pumpkin harvest active for market and canning. Market tomato harvest increasing south coast, continues central coast, San Joaquin Valley. Progressing tomato harvest decreasing rapidly. Recent rains started new grass northern winter range areas. Rain needed most southern districts. Supplemental feeding necessary many areas.

**COLORADO:** Precipitation confined mostly to intermittent light showers. Amounts less than 0.20 in. east; 0.25 to 1.50 in. elsewhere. Temperatures near normal west; 2 to 5° above normal east.

Winter wheat seeded 96%, 98% 1980, 97% average; emerged 83%, 84% 1980, 83% average. Spring wheat harvested 95%. Corn mature 86%, 90% 1980, 91% average; grain harvested 11%, 27% 1980, 28% average; silage harvested 97%, 96% 1980, 97% average. Sorghum ripe 75%, 70% 1980, 84% average; grain harvested 24%, 8% 1980, 12% average; forage harvested 88%, 82% 1980. Dry beans cut 97%, 93% 1980, 95% average; threshed 90%, 80% 1980, 86% average. Fall potatoes harvested 61%, 75% 1980, 85% average. Sugarbeets harvested 4%, 11% 1980, 12% average. Alfalfa hay 3rd cutting 90%, 95% 1980 and average; 4th cutting 24%, 55% 1980. Six days suitable for fieldwork. Ranges and pastures good condition. Livestock good condition.

**FLORIDA:** A weak cold front eased down the Peninsula and off into the Atlantic by the 10th. Cool, dry air invaded extreme north portion of State with low temperatures mostly in the 60's, but upper 50's were still common extreme northern portions. Elsewhere, lows were mainly in the 70's. Afternoon highs remained in the 80's Statewide. Rainfall spotty, ranging mostly from a trace to 0.25 in. Pres-sures remained fairly high, winds very mild.

Soil moisture mostly short except adequate in south. Rainfall over weekend helpful some areas. Soybean harvest increasing, peanut harvest nearing completion. Cotton harvest underway, hay harvest winding down. Sugarcane excellent condition, cutting cane for seed con-

tinues. Grinding expected to start before end of month. Pasture condition declined, mostly poor to fair. Cattle condition declined, mostly fair to good. Citrus groves very good condition. Rain needed, irrigation continues. Very little new growth. Good natural color break. Harvest early maturing fruit increasing. Near ideal weather prevailed in vegetable areas. Planting, fieldwork very active. Skies mostly sunny. Rainfall limited to a few scattered showers. Temperatures mostly in 80's during day and 60's, 70's at night. Irrigation increasing, some areas. Spray programs steady. Light harvest underway pole beans, sweet corn, cucumbers, eggplant, lettuce, peppers, squash and tomatoes.

GEORGIA: Temperatures ranged from the mid 50's to around 70°, 2 to 4° below normal. Extremes: Blairsville 29° on the 3rd and 4th and Dublin 93° on the 6th. Scattered light rain in west, central and southern portions. Amounts averaged 0.25 in. or less with greatest amount 0.57 at Albany. The 10th and 11th were cloudy and cool with rain. Amounts were generally in excess of 0.50 in. with some locally heavy amounts of over 1.50 in.

Soil moisture very short to short. Five days suitable for fieldwork. Harvesting and small grain planting main activities. Dry conditions hampering all work. Corn poor to fair, 96% harvested, 92% last year, 84% average. Soybeans poor to fair, 66% leaf drop, 46% last year; 9% harvested, 8% last year, 5% average. Peanuts fair to good, 86% dug, 83% last year, 82% average; 76% threshed, 74% last year, 72% average. Cotton poor to fair, 87% open, 97% last year; 42% picked, 69% last year, 28% average. Apples fair to good, 94% harvested, 96% last year. Pecans fair to good, 2% harvested, same as last year and average. Small grain planting: wheat 9% planted, 15% last year, 17% average; rye 18% planted, 26% last year, 22% average; other small grains 17% planted, 22% last year and average. Pastures and hay crops poor to fair. Cattle and hogs fair to good. Some reports of cattle producers feeding stored forages.

IDAHO: The week was wet and cool as temperatures averaged 2° above to 9° below normal. Precipitation was reported in almost all localities and ranged from 0.02 in. in south-central to 0.90 in. in north.

Rain slowed potato harvest in the major growing areas, but helped moisten soils so winter wheat plantings could continue. Potato harvest stood at: 53% complete, 64% in 1980, and 60% average. Winter wheat planted: 64%, 68%, 74%. Winter wheat emerged: 33%, 42%, 42%. Dry edible beans combined 95%, 90%, 82%. Onions harvested: 94%, 84%, 93%. Sugarbeets: 10%, 9%, 17%. Cattle being moved down from the high ranges where snow has already fallen.

ILLINOIS: Temperatures 1 to 7° below normal. Precipitation scattered, ranged trace to 2.98 in.

Corn 26% harvested, 59% 1980, 31% average. Soybeans 96% shedding leaves, 100% 1980, 100% average; 49% combined, 80% 1980, 66% average. Winter wheat 34% seeded, 57% 1980, and 44% average; 10% emerged, 14% 1980. Corn and soybean acreage 10% tilled, 6% 1980, and 9% average. Pastures 16% excellent, 64% good, 19% fair, 1% poor. Soil moisture 10% short, 77% adequate, 13% surplus. Fieldwork: 5.5 days suitable.

INDIANA: Warm, dry week. Temperatures averaged 3° above normal and ranged from 30 to 90°.

Sunshine 70% of possible. One day of rain amounted to 0.20 in. in east central to 0.70 in. in northwest. Elsewhere intermediate amounts.

Fieldwork averaged 5 days. Topsoil and subsoil moisture adequate. Corn 13% harvested, 1980 35%, average 18%. Corn 80% mature, 1980 99%, average 97%. Soybeans 20% combined, 1980 65%, average 40%. Soybeans 90% dropping leaves, 1980 99%, average 99%. Moisture content: corn 27%, soybeans 14%. Wheat land 70% plowed. Wheat 30% seeded, 1980 65%, average 40%. Wheat 10% emerged, 1980 20%, average 15%. Tobacco 100% cut, 1980 100%.

IOWA: A dry, cool week. Rainfall totals were generally less than 0.25 in. while temperatures average 2 to 5° below normal.

Topsoil moisture: 12% short, 78% adequate, 10% surplus. Subsoil moisture: 23% short, 74% adequate, 3% surplus. Corn acreage harvested: 1981 26%, 1980 42%, normal 30%. Soybean acreage harvested: 1981 65%, 1980 13%, normal 61%. Fall plowing completed: 1981 8%, 1980 13%, normal 9%. Fertilizer application complete: 1981 7%, 1980 15%. Fieldwork: 4.6 days suitable. Crop conditions: soybeans, corn mostly good to excellent. Livestock reported to be in mostly good to excellent condition.

KANSAS: Precipitation averaged little or none west, 0.25 to 0.50 in. east, over 1.00 in. some central areas. Temperatures 55° north central, 57 to 60° elsewhere, 1° above normal northwest to 4° below normal north central.

Wheat seeding excellent progress, nearing completion west and central areas. Emergence generally good. Seeding: 85%, last year 80%, average 80%. Emergence: 50%, last year 45%. Corn harvest gaining momentum but still behind schedule, most mature, beyond freeze damage. Harvest: 40%, last year 65%. Average 50%. Mature: 90%, last year 98%, average 96%. Soybean harvest good progress west and central, late stands delay harvest east. Harvest: 25%, last year 35%, average 25%. Mature: 80%, last year 80%. Late stands, high moisture delay sorghum harvest all areas except southeast. Harvest: 15%, last year 30%, average 35%. Mature: 65%, last year 70%, average 85%.

KENTUCKY: Average temperatures were near normal and precipitation was general, but averaged only around 0.25 in.

Most days favorable for fieldwork. Soil moisture short nearly two-thirds State, adequate elsewhere. Burley curing well. Stripping 4% complete but damp weather needed to bring crop into case. Corn harvest 56% complete, last year 65%, average 44%. Many western farmers finished corn harvest. Soybean harvest 8% complete, last year and average 28%. Another 46% soybeans shedding leaves or mature. Frost has caused damage to some late soybeans. Nearly 30% of winter wheat seeded. Pastures fair to good, but need rain.

LOUISIANA: Rainfall 2.00 to 4.00 in. north, 0.50 in. south. Temperatures 5 to 1° below normal, 4 to 5° above normal south.

Soil moisture short to adequate. Days suitable: 4.5. Corn harvested 100%, 100% 1980, 95% average. Rice harvested 99%, 96% 1980, 97% average. Cotton open bolls 100%, 100% 1980, 85% average; harvested 54%, 57% 1980, 34% average; condition fair to good. Soybeans leaves turning 90%, 91% 1980, 86% average; leaves shedding 64%, 67% 1980, 40% average; harvested 30%, 27% 1980, 31% average; condition poor to fair. Sorghums harvested 98%, 92% 1980, 87% average. Sugarcane planted 95%, 82% 1980, 75% average; harvested 5%, 8%

1980; condition good. Sweetpotatoes harvested 90%, 75% 1980, 73% average. Vegetables rated fair. Pecans rated fair to good. Wheat seeded 10%, 23% 1980, 36% average. Pastures rated fair. Livestock rated fair to good. Hay final cutting 94%, 88% 1980.

**MARYLAND AND DELAWARE:** Maryland: Corn 90% mature, last year 100. Harvest for grain 60%, last year 70. Corn silage 100% 1981 and 1980. Soybeans 80% turned, 85% last year; shed 55%, 1980 65%. Harvest of soybeans 15% complete both years. Tobacco and lima bean harvest complete, equal to last year. Sweetpotato harvest 70%, last year 60%. Apples 80% harvested, 75% last year. Small grain planting; barley 70%; wheat 35%; rye 60%; oats 35%. Last year small grain planting: barley 60%; wheat 45; rye 55; oats 65%.

Delaware: Corn mature 100%, harvested for grain 80%. Last year 95% mature, 80% for grain. Silage harvest complete. Soybean 94% turned, 85% shed. Turning and shed 80% 1980. Soybean harvest just beginning in lower counties. Apples 70% harvested, equal to last year's progress. Small grain seedings; barley 82%; wheat 30%; rye 40%. Last year's seedings barley 50%; wheat 20%; rye 35%.

**MICHIGAN:** The cool below normal temperature regime continued. The average temperature departure ranged from 4 to 6° below normal. The south central and southeast lower sections had light precipitation. The rest of the State had moderate precipitation.

Field activity slow over the State, as soil was soggy from the previous rains. Dry bean harvest increased to 65%. First increase in harvested beans in two weeks. Corn harvest 5% complete, behind last year's 11%. Corn silage 70% complete. Soybeans harvested acres 10% complete, half last year and average. Planting winter wheat progressed to 35% seeded. Little planted in eastern areas. Sugarbeet harvest still affected by water logged soil; 2% has been mudded out. Apple harvest picked up and nearly completed for McIntosh. Other varieties ranged from 45% to 70% completed. Vegetable harvest continues. Cabbage at 85% complete and onions at 95% complete.

**MINNESOTA:** Temperatures averaged from 6° above normal northwest to 6° below normal southeast. Extremes: 76° at Browns Valley, 26° Bemidji and Preston. Precipitation averaged about 0.50 in. above normal north central and northeast, near normal elsewhere. Precipitation totals generally 0.25 to 0.75 in. but locally near 1.00 in. north central. Snowfall at weeks end zero.

Harvest progress slow due to wet fields and high moisture content of row crops. Cool, cloudy weather first part of week prevented drying after heavy rain of previous week. Warm, sunny weather latter half of week dried fields allowing some harvesting. Topsoil moisture 2% very short, 5% short, 71% adequate, and 22% surplus. Mature: field corn 96%, 1980 99%, normal 96%; soybean 97%, 1980 99%, normal 98%. Harvested: field corn 9%, 1980 15%, normal 28%; soybean 29%, 1980 65%, normal 60%; sunflowers 28%, 1980 59%, normal 56%; sugarbeets 33%, 1980 40%, normal 42%; potatoes 84%, 1980 80%, normal 83%. Moisture content: field corn 28%, 1980 25%, normal 25%; soybean 14%, 1980 12%, normal 12%.

**MISSISSIPPI:** Cold front at midweek brought rain and cooler temperatures. Extremes: 42 and 93°. Temperatures a few degrees below normal except in southern sections. Greatest 24-hour rainfall 2.00 in.

Soil moisture short. Days suitable for fieldwork: 4.4. Cotton 100% of acreage with open bolls, 100% 1980 and 96% average; 63% harvested, 47% last year, 30% average; condition fair. Soybeans 88% shedding, 85% last year, 87% average; 46% mature, 52% last year, 48% average; 18% harvested, 23% last year, 19% average; condition fair. Rice 84% harvested, 87% last year, 79% average. Corn 90% harvested; hay 96%; peanuts 87%; sorghum 83%; sorghum silage 96%; sweetpotatoes 64%; and pecans 5%. Winter wheat 23% planted, 20% last year, 37% average. Pastures fair to poor conditions.

**MISSOURI:** Temperatures averaged just below normal. Precipitation was widespread but totals were generally less than 0.50 in.

Fieldwork: 6.0 days suitable. Corn 91% mature, last year 100%, normal 90%. Corn 48% harvested, last year 78%, normal 46%. Grain sorghum 80% mature, last year 89%, normal 88%. Grain sorghum 39% harvested, last year 58%, normal 47%. Soybeans 80% turning color, last year 91%. Soybeans 63% mature, last year 75%, normal 69%. Soybeans 32% harvested, last year 44%, normal 29%. Wheat 32% seeded, last year 49%, normal 36%. Plowing 18% completed, last year 21%, normal 15%. Cotton 17% harvested, last year 66%, normal 31%. Condition of pasture fair to good. Topsoil moisture supply short to adequate.

**MONTANA:** Rather cool week as temperatures averaged 4° below normal in west and southeast, about 2° below normal elsewhere. Highest 75° at Glendive, lowest 8° at Wisdom. Significant precipitation fell over all except north central and central areas latter part of week. Some areas received 0.75 to 0.50 in. precipitation.

Topsoil and subsoil moisture short in eastern third, short to adequate elsewhere. Days suitable for fieldwork: 6. Percent harvested compared with last year and normal: corn 95, 95, 95; dry beans 95, 75, 80; potatoes 40, 40, 65; sugarbeets 20, 20, 45. Winter wheat planted 85, 90, 90. Winter wheat emerged 55%; condition fair. Cattle and sheep condition good. Cattle moved off summer ranges. 55%, sheep 60%.

**NEBRASKA:** Precipitation: widespread but light. Temperatures: about 3° below normal except the Panhandle which was 3° above normal.

Corn harvested 15%, 55% last year and normal; mature 85%, 100% last year and 94% normal. Soybeans harvested 50% same as normal but 70% last year; shedding leaves 96%, same as normal but 99% last year. Sorghum 12% harvested, 70% last year and 40% normal; mature 85%, 100% last year and 95% normal. Wheat crop condition good; seeded 99%, 100% last year and 95% normal; emerged 92%, 98% previous year. Pasture and range feed supplies mostly adequate. Topsoil and subsoil moisture short to mostly adequate. Days suitable: 5.1.

**NEVADA:** Near normal temperatures early in week. A Pacific cold front lowered temperatures again at midweek and brought light dusting of snow north. First major storm hit north at end of period. Snow and rain reported northern stations. Southern tip of State escaped most of cloud and shower activities.

Heavy showers some localities northwest brought potato digging operations to standstill late in week. Snow at higher elevations bringing remaining few cattle down. Feeding requirements increased with inclement weather.

**NEW ENGLAND:** Temperatures: north: average 2° subnormal. South: averaged over 5° subnormal.

Precipitation: mostly on 6th and 7th. Northern Maine had readings over 1.00 in. Houlton, 2.51 in. Some snow in higher elevations.

Fieldwork: 3.6 days favorable. Soil moisture: north, mostly surplus; south, adequate. Hay harvested: third crop: 80%. Maine potatoes: 80% harvested, good quality, variable yields. Apples: harvest diminishing, fair quality. Vegetables: harvesting fall species, good quality. Cranberries: harvesting, frost protection, excellent quality, fair to good prospects. Good quality: corn, potatoes, vegetables. Grazing: continued adequate.

NEW JERSEY: Temperatures averaged 5 to 7° below normal. Extremes: 25° at Newton on 12th and 78° at Downstown on 5th. Rainfall averaged 0.24 in. north, 0.12 in. central and 0.04 in. south. Heaviest 24 hour total was 0.30 at Long Valley on 6th to 7th. Estimated soil moisture. In percent of field capacity, averaged: 85 north, 65 central and 60 south. Four inch soil temperature today averaged: 51 north, 56 central and 58 south.

Fieldwork: 5.6 days suitable. Topsoil moisture generally adequate but sub-soil moisture short. Cold weather slowed crop growth. Most areas received frost. Fall vegetable harvest active. Sweetpotato harvest continues. Apple and cranberry harvest continues active. Corn silage making complete. Harvest of soybeans and corn for grain active. Planting of barley complete. Wheat and rye planting continue. Cover crop seeding continues following harvest of fall crops.

NEW MEXICO: Light precipitation occurred over the State. Temperatures averaged near normal in most areas.

An adequate supply of soil moisture continues over most of State. Harvest of alfalfa hay, corn, sorghum, chile, and cotton and winter wheat seeding were the main farm activities. Cotton in good condition with most fields showing open bolls. Harvest getting underway. Alfalfa fields continue in good condition but rain and heavy dews limited harvest of good quality hay. Some insect problems occurring. Winter wheat seeding nearing completion on the eastside with some reseeding occurring due to heavy rainfall. Barley in good condition. Corn in good condition with silage harvest nearing completion and 45% of the grain harvested. Harvest of grain sorghum increasing in activity. Red chile harvest underway. Fall lettuce harvest underway in the Mesilla Valley. Pecan hulls beginning to open and orchards being prepared for harvest. Ranges in good condition with grass making well for winter. Cattle and sheep in good condition but shipment of calves and lambs remains light.

NEW YORK: Temperatures well below normal, rain variable.

Poor drying conditions. Slow fieldwork progress. Killing frost over most of State. Corn silage 44% harvested, 75% 1980, 72% average. Grain corn harvest 7% done, 16% 1980, 13% average. Third cutting alfalfa 76% complete, 85% 1980, 82% average. Great Lakes region grape harvest active. Apple harvest active. Western McIntosh and Greening harvests complete, Delicious and Cortlands progressing.

NORTH CAROLINA: Temperatures: 2 to 4° below normal. Rainfall: 0 in most areas to 0.70 at Wilmington.

Fieldwork: 6.3 days suitable. Soil moisture: 51% very short, 44% short, 5% adequate. Conditions: pasture mostly fair; cotton, peanuts mostly good; soybeans fair to good; sweet

potatoes fair to good; apples fair to mostly good, peaches fair to good. Harvest: cotton 28%, 1980 53%, 21% average; sweet potatoes 68%, 1980 46%, 57% average; sorghum 68%, 1980 59%, 56% average; soybeans 5%, 1980 5%; corn for grain 87%, 1980 82%, 79% average, peanuts dry 58%, 1980 59%, 50%; peanuts threshed 43%, 1980 39%, 35% average; apples 83%, 1980 68%, 71% average. Plantings: Wheat 15%, 1980 12%, Oats 24%, 1980 13%; barley 19%, 1980 12%; rye 37%, 1980 13%. Phenological Stages: cotton open bolls 99%, 1980 95%; soybeans shedding leaves 32%, 1980 22%.

NORTH DAKOTA: Precipitation significant east. Most sites in Red River Valley recorded more than 0.50 in. Largest amount of rain 1.05 in. southeast. The remainder of the State received below normal amounts of moisture. Temperatures close to normal across entire State. Below freezing temperatures observed in all divisions. Extremes ranging from 77° northwest to 22°, also northwest.

More damp weather in many areas hampered row crop harvest and kept moisture levels high in standing crops. Some areas still awaiting a killing frost to help dry sunflower. Average of 5.1 days suitable for fieldwork. Sunflower harvest about one week behind normal. Sugarbeet lifting and corn and soybean combining also behind the average pace. A period of warm dry weather needed to promote more rapid harvest of these crops. Flax, potato and dry bean harvest now near the average pace. Soil moisture still short in west. Overall, 37% short or very short of topsoil moisture. Last year 42%, average 52. Sunflower combining 18% complete, last year 22, average 34. Harvest progress for other crops with last year and average: potatoes 85, 87, 89; sugarbeets 37, 40, 45; corn grain 30, 22, 40; dry beans 89, 84, 89; flax 87, 65, 81; soybeans 38, 64, 67.

OHIO: Temperatures averaged well below normal. Highs averaged 4 to 6° below normal. While lows were about 1 to 3° below normal. Growing degree days ranged from 15 to 30 below normal. Precipitation was widespread but totals were not excessive. Totals ranged from 0.25 in. to 0.50 in., about 0.25 in. below normal. Four in. bare soil temperatures now into upper 40's to lower 50's. However, mid-day reading continue to move into the upper 50's to lower 60's.

Frost on mornings of 3rd and 8th damaged or killed some fields of immature soybeans and corn. Weather has been excellent for harvesting, but farmers waiting for crops to dry down. Harvested corn moisture contents were reported ranging from 25 to 35%. Foreign matter has been high in soybeans because of weeds. Sugarbeet harvest underway, 5% done. Corn mature 75%, 99% 1980, 95% average. Corn harvested 10%, 30% 1980, 20% average. Soybeans mature 55%, 98% 1980, 90% average. Soybeans harvested 20%, 65% 1980, 40% average. Corn silage harvested 65%, 95% 1980, 90% average. Wheat planted 40%, 70% 1980, 60% average. Wheat emerged 10%, 20% 1980, 15% average. Days favorable: 5.5. Pasture condition fair to good. Soil moisture 20% short, 75% adequate, 5% surplus.

OKLAHOMA: Week was cool and rainy in most sections. Only the northwest was relatively dry. Amounts to near 4.00 in. occurred in the central division. Temperatures averaged 2 to 6° below normal.

Cool temperatures coupled scattered rains 1st part week, heavy general rains southern part of State latter part week. Wheat good to excellent condition state except northeast and east central where significant portion of fair condition. Wheat planted: 75%, 1981; 50%, 1980; 65%, average. Wheat emerged: 50%, 1981; 20%, 1980;

25%, average. Sorghum mature: 90%, 1981; 85%, 1980; 85%, average. Sorghum harvested: 30%, 1981; 35%, 1980; 25%, average. Cotton open bolls: 80%, 1981; 85%, 1980; 65%, average. Cotton harvested: 10%, 1981; 5%, 1980; 5%, average. Days suitable for fieldwork: 4.7

**OREGON:** Rains improved conditions for fall seedings in east but hampered fields in west. Topsoil moisture reported as surplus in northwest and adequate in southwestern, north central and northeast. Shortage continues in south central. Winter wheat 53% seeded compared to 62% a year ago. About 22% of winter wheat emerging, 42% last year. Little seeding occurred in west. Filbert harvest started but progressing only when weather permits. Cranberry harvest underway but also held up by rains in northwest. Harvesting of apples continues. Rains delay completion of pear harvest. Harvest of potatoes continues in full swing in east, but progressing only as weather permits in Willamette Valley. Harvesting of other fresh market vegetables in general about finishing up. Pastures and ranges mostly good or improving. Grass shows excellent response from rains. Livestock condition good.

**PENNSYLVANIA:** Mid-week, blustery and cold. Widespread frost across the State on 10th as temperatures in mid-areas dropped to the coolest readings of the season. Extremes: 77 and 23°. Rainfall was 0.25 to 0.50 in. southern half with 0.75 to just over 1.00 in. in the north.

Four days suitable. Soil moisture adequate to surplus. Activities: plowing, planting wheat and barley; and harvesting ensilage corn, corn for grain, soybeans, tomatoes, cabbage, apples, pumpkins, and hay crops. Potato harvest 82% complete, last year 88%. Soybeans 6% harvested, 17% last year. Corn for grain 84% mature and 13% harvested compared with 88% mature and 25% harvested last year and the average of 71% mature and 12% harvested. Ensilage corn 80% harvested, last year 87%. Barley planting 93% complete, last year 92%. Wheat planting 83% complete, last year 74%. Fall plowing 85% complete, last year 86%. Fourth cutting alfalfa 48% complete, last year 57%. Hay quality fair to poor. Feed from pasture mostly adequate.

**PUERTO RICO:** Island average rainfall 1.17 in. or 0.66 in. below normal. Highest weekly total 4.07 in. Temperatures averaged about 84 to 81° on Coasts and 77 to 76° Interior Divisions. Extremes: 97 and 58°.

**SOUTH CAROLINA:** Temperatures varied from above normal at beginning of week to below normal by week's end. Drought conditions prevail over the State, although light rain was received over the weekend.

Soil moisture short to very short. Six days were available for fieldwork. Corn 98% harvested, 94 last year, 91 average. Cotton condition good, reported yields good; 93% open bolls, 100 year ago, 94 average; 42% harvested, 48% last year, 33 average. Soybeans dropped to poor to fair condition, maturing rapidly due to dry stress, 84% leaves turning color, 70 year ago, 70 average; 50% shedding leaves, 42 last year, 42 average, 3% harvested, 3 last year, 2 average. Peanuts 74% harvested, 33 last year, 51 average. Sweetpotatoes 55% harvested, 45 year ago, 53 average. Apples 92% harvested, 89 year ago, 92 average. Winter grazing planting at standstill, 36% planted, 49 last year, 54 average. Fall snap beans 22 harvested, 29 year ago. Fall cucumbers 62%, 42 last year.

**SOUTH DAKOTA:** Precipitation over most of State. Mostly over 0.25 in. Temperatures

near normal. Extremes: 86 and 22°. Topsoil moisture mostly short. All districts except east central and southeast had some areas with adequate supplies. Critically short east central and northeast on Minnesota border and in area covering parts central, east central, and southeast.

Five days suitable. Corn silage 95% cut. Cattle marketings slowed due to depressed prices. Herds are being moved to stubble, corn and sorghum fields. Soybeans harvested 67%, 1980 76%, average 55%. Corn harvested 31%, 1980 33%, average 27%. Sorghum mature 91%, 1980 90%, average 90%. Sorghum harvested 37%, 1980 41%, average 38%. Sunflowers mature 86%, 1980 94%, average 94%. Sunflowers harvested 31%, 1980 46%, average 32%.

**TENNESSEE:** A south moving low pressure brought most of the light and scattered rain. Temperatures in the western half of the State averaged about 2° above normal while the eastern half was below normal by about 2°. Light frost was reported on 3rd.

Fieldwork: 5.4 days suitable. Soil moisture short. Farmers had excellent week for cotton harvest. Cotton open bolls 88%, 1980 97%, average 65%. Cotton 34% picked, 1980 65%, average 26%. Soybeans shedding leaves 68%, 1980 79%, average 64%. Soybeans mature 30%, 1980 43%, average 26%. Soybeans harvested 9%, 1980 13%, average 11%. Corn harvest gained momentum last week but moisture content too high for harvest in some areas. Corn harvested 50%, 1980 57%, average 31%. Corn mature 96%, 1980 98%, average 90%. Burley tobacco 27% stripped, 1980 25%, average 23%. Dark-fired tobacco 11% stripped, 1980 19%. Dark air-cured tobacco 30% stripped, 1980 17%. Pastures getting short and rated in fair to poor condition. Supplemental feeding continues in scattered areas but overall cattle condition good. Haymaking continues. Lespedeza hay 95% harvested, 1980 94%, average 90%. Fall plowing 63% complete, 1980 64%, average 68%. Wheat seeding 31% complete, 1980 41%, average 44%. Oats seeding 58% complete, 1980 67%, average 68%. Barley seeding 59% complete, 1980 67%, average 68%.

**TEXAS: Range and Livestock:** Rain, cool temperatures helpful in restoring soil moisture. Grasses will benefit from much needed rainfall. Livestock condition good, cooler temperatures helpful in reducing insect activity. Outlook for fall, winter grazing good, supplies of hay adequate in most areas. Damp conditions stopped hay cutting except in South Texas.

**Commercial vegetables:** Rio Grande Valley, rains helpful in promoting growth of broccoli, cabbage, green peppers, tomatoes which are making excellent progress. Citrus harvest underway, fruit size, quality excellent. Coastal Bend, cucumbers, tomatoes made good growth. All fall vegetables progressing well with additional rain. Fieldwork minimal due to wet conditions. San Antonio-Winter Garden area, conditions remain excellent, irrigation levels reduced due to rains. Cabbage, cucumbers, tomatoes progressing well. Uvalde area pickles showing excellent growth. East Texas, harvest of sweetpotatoes slowed by wet fields. Quality of late planted potatoes better than early season fields. Trans-Pecos Region, harvest activity slowed by rain, some hail. Bell peppers sizing well. High Plains remaining carrots, peppers awaiting harvest, cool, damp conditions halted field activity. Pecans maturing rapidly, splitting shucks. Harvest of early varieties underway South Texas.

**Crops:** Scattered showers, cool temperatures

provided relief from recent dry conditions. Cool temperatures, rainfall stalled maturing of cotton, sorghum, conditions were favorable to emerging small grains. Land preparation, harvesting activity was delayed by wet conditions. Cotton harvest made little progress because of wet fields. Maturing was delayed as temperatures dropped. Warm, dry conditions needed to complete development. Defoliation activity slowed High Plains. Southern Texas final harvesting slowed by showers. Statewide cotton condition 3% excellent; 62% good; 29% fair; 6% poor. Sorghum harvest moved at a slow pace, rains delayed maturing in many areas. Producers awaiting dry conditions to resume harvest, aid in development. Yields have been good. Insect damage Northern Texas, Plains minimal. Corn harvest delayed by wet conditions. Progress had been brisk, expected to resume at full speed as fields dry. Yields good, harvesting losses light. Small grains aided by rainfall. Early planted fields benefited from moisture, stands in good conditions. Producers were awaiting improvement in moisture to complete planting. Wheat, oat fields making excellent growth. Stands in South, Central Texas beginning to grow. Peanut harvest slowed by wet conditions, little progress made. Soybean harvest High Plains delayed but should resume as fields dry. Maturing along Coast by cooler temperatures. Harvest of sunflowers affected by weather, little progress made. Cotton open bolls 62%, 70% 1980. Cotton harvested 19%, 29% 1980, 23% average. Sorghum turning color 98%, 95% 1980. Sorghum mature 87%, 90% 1980. Sorghum harvested for grain 77%, 81% 1980, 77% average. Wheat planted all purposes 62%, 58% 1980, 65% average. Wheat emerged 37%, 44% 1980. Corn for grain harvested 89%, 84% 1980, 80% average. Peanuts harvested 32%, 31% 1980, 47% average. Soybeans harvested 16%, 32% 1980, 19% average. Sugarbeets harvested 0%, 0% 1980, 8% average. Sunflowers 48%, 43% 1980, 40% average. Oats planted 51%, 53% 1980, 57% average.

UTAH: Recurring periods rain in valleys and snow in mountains with considerable thunderstorm activity most areas. Locally very heavy accumulations of moisture. Average temperatures continued generally a little above normal. Averages range from 3° below to 4° above normal. Soil moisture conditions improved markedly during the past week.

Harvest continues for corn silage, hay, alfalfa seed, apples, onions, and potatoes but winding down in all cases. No frost yet in major agricultural valleys. Most grain corn mature enough to be safe from frost. About three-fourths of cattle and sheep have moved from summer ranges. Movement continues active. Most livestock in good condition. Fall and winter ranges improved by recent rains.

VIRGINIA: The week started out warm with temperatures in the 80's. A cold front brought more autumn-like temperatures the remainder of the week. Scattered frost reported 9th and 10th. A couple of stations reported around 0.50 in. for the week. Generally rainfall amounts were less than 0.10 in.

Favorable weather for crop harvest continued with 5.9 days suitable for fieldwork. Topsoil moisture rated 92% short, 8% adequate. Pastures judged to be in fair to good condition except in the western Piedmont where they rated poor. Virtually all of the corn crop mature, the same as last year. Corn for grain harvest 64% complete, 59% 1980, 53% average. Corn silage 92% harvested, 88% 1980. Peanut harvest advanced rapidly and 74% were dug, 46% combined, compared with 20% dug, 11% combined

last year. The average 30% dug and 15% combined. Small grain plantings: wheat 14%, 11% 1980, 14% average; barley 43%, 28% 1980, 30% average; oats 75%, 43% 1980, 39% average. Soybean harvest increased slightly, now 8% combined, 4% last year and average. Apple harvest active, 69% picked, 54% 1980, 59% average. Sweetpotatoes 68% dug, 32% 1980, 53% average. Currently, pastures providing 39% of the forage for dairy cows, 91% for sheep and 89% of the forage fed to beef cattle.

WASHINGTON: West: Had a wet week with some record breaking rainfall. On the 6th, 3.74 in. fell at Seattle Tacoma Airport in a 24 hour period. The temperatures were about 2° below normal in lowland areas and considerably cooler in the higher mountains where some snow fell. Agricultural activities were quite limited. Crops harvested on a limited scale were potatoes, sweet and field corn and carrots. Hay supplies remained adequate. East: Rainfall was less east of the Cascades but still considerably about normal--mid week the wettest overall. The temperatures were 5 to 10° below normal. Harvest of Golden Delicious near completion, Red Delicious in full swing. Many fall crop past half-way mark, corn for grain and silage just getting started. Fall tillage for weed control active. Feed supplies adequate, some fourth cutting of alfalfa being put up.

WEST VIRGINIA: Temperatures below normal. High 80°, low 22°. Scattered frost across the State. Range: trace to 0.81 in.

Soil moisture short to adequate. Short in northwest and eastern Panhandle. Adequate in central mountains. Average days worked: 4.8. Main activities: corn harvesting, livestock marketing, general maintenance. Corn good to fair, 91% mature, 32% harvested: 97%, 46% in 1980. Hay fair to good, 3rd cutting 89% complete, 83% in 1980. Tobacco 100% harvested, 100 in 1980. Fruit poor to fair. Pasture fair. Pasture fair to good. Fall plantings: wheat 68%, 53% in 1980; barley 83%, 58% in 1980.

WISCONSIN: A relatively cool week with temperatures averaging 5° below normal. Highs were mostly in the 60's and lows were in the 20's. The high of 66° was reported in Hudson on 8th while Lake Thompson was the cool spot, reporting 22° on 8th. Little day to day temperature variation was noted. Rainfall was fairly widespread early during the week. Most districts reported rainfall in the range of 0.50 to 1.00 in.

Fieldwork: 5 days suitable. Silo filling was a major fieldwork activity and was 66% complete, 63% 1980, 79% average. Corn maturing well in most areas and was 96% mature, 100% 1980, 98% average. Corn harvesting just getting underway and was 4% complete, 9% 1980, 9% average. Soybeans maturing and combining starting. Soybean harvest was 3% complete, 17% 1980, 15% average. Fall plowing progressing in certain areas and wet soils make plowing in many areas considerably easier. Plowing 14% finished, 11% 1980, 16% average. Pastures remain in good condition and reported 93% of normal, 98% 1980, 82% average. Some hay being made in certain areas. The potato and cranberry harvests progressing. Late season apples being picked. Topsoil moisture supplies 68% adequate and 42% surplus.

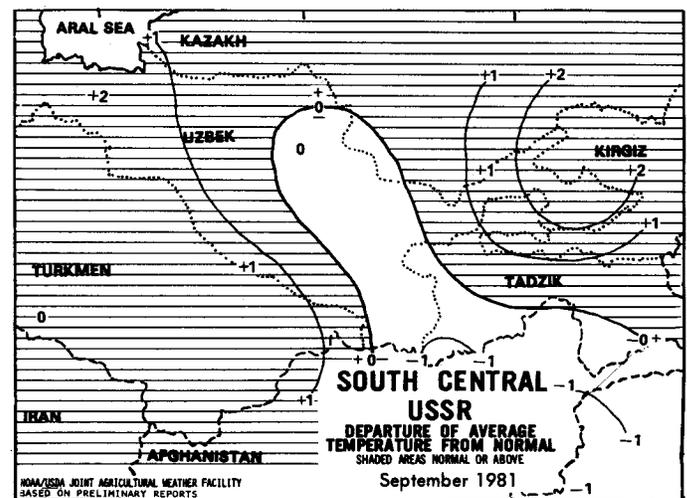
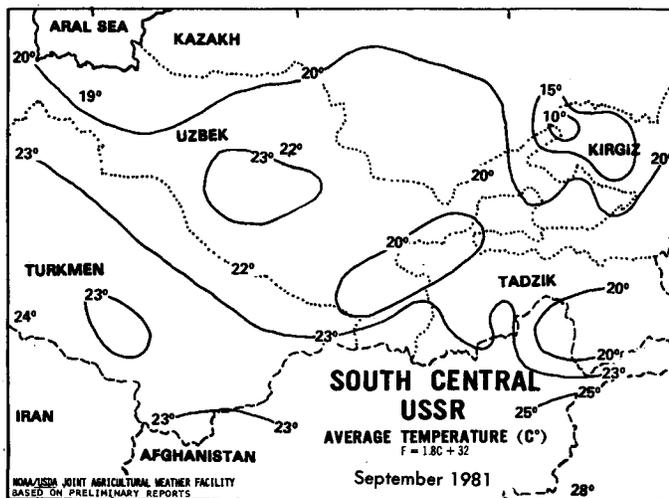
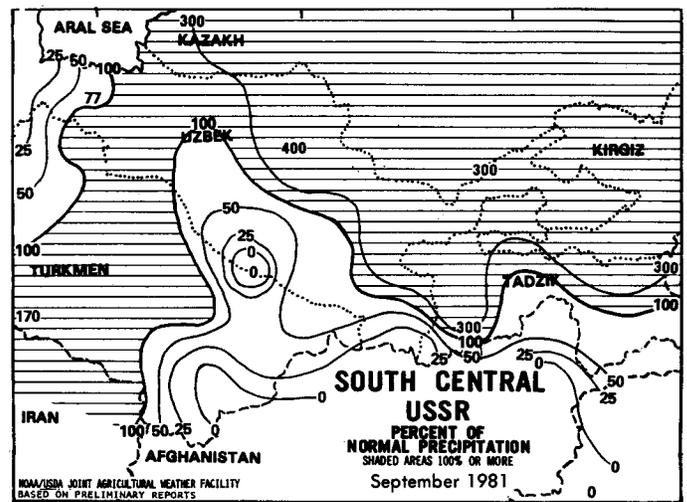
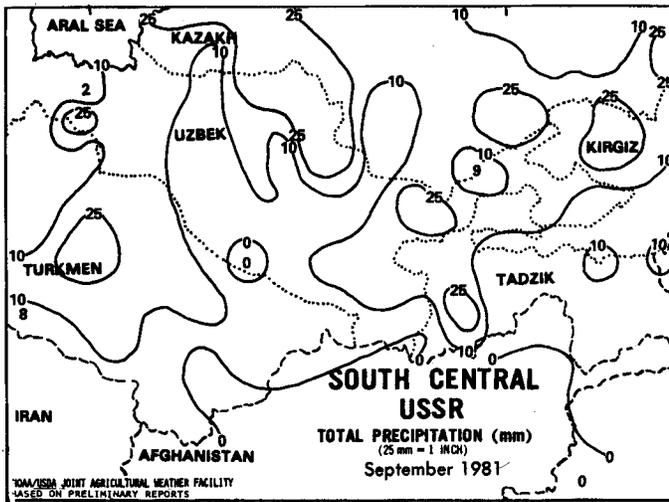
WYOMING: Mild week with temperatures ranging upper 70's and lower 80's. Warmest reading 86°. Coldest reading 18°. Most stations slightly above normal temperatures. Precipitation

(Continued on page 12.)

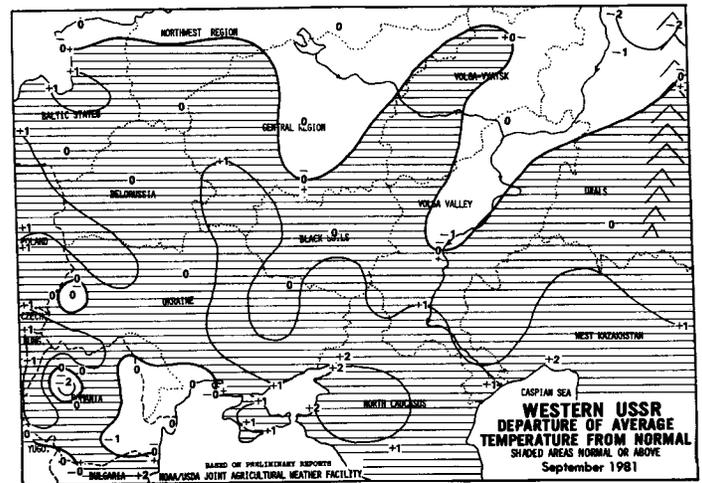
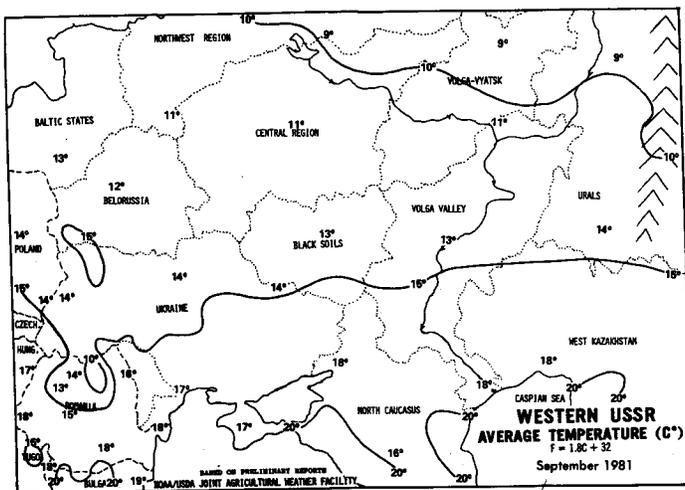
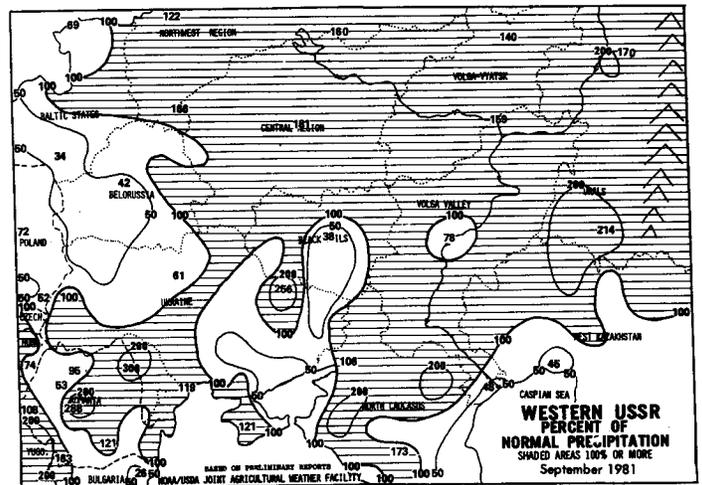
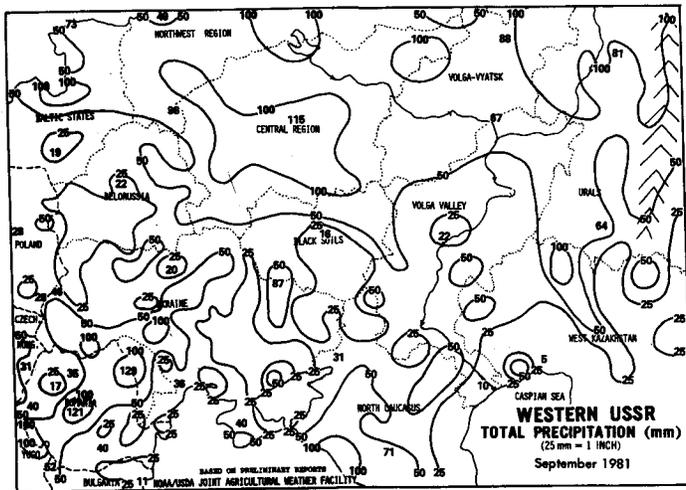
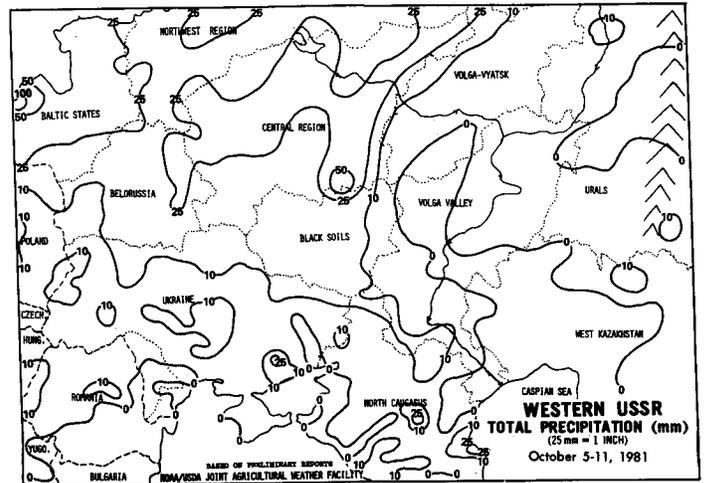
## International Weather and Crop Summary

HIGHLIGHTS  
October 5-11, 1981

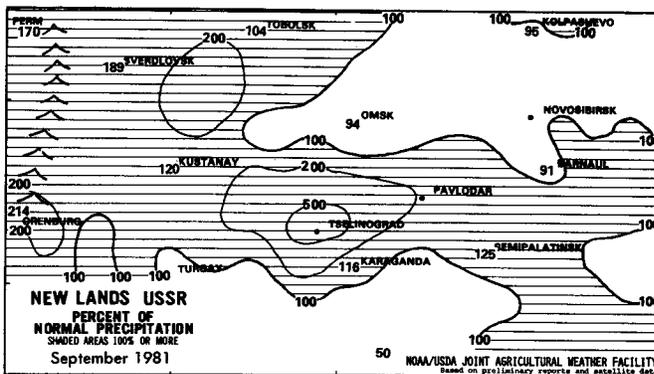
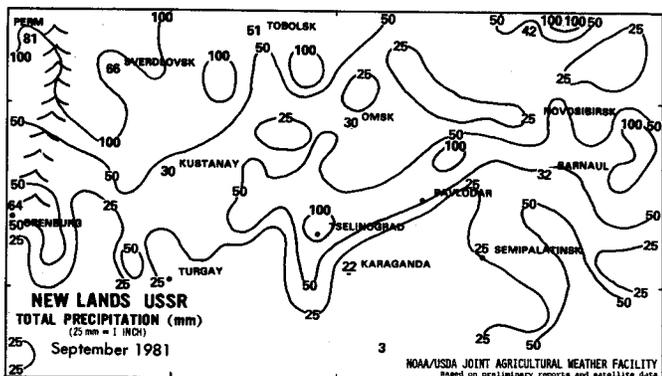
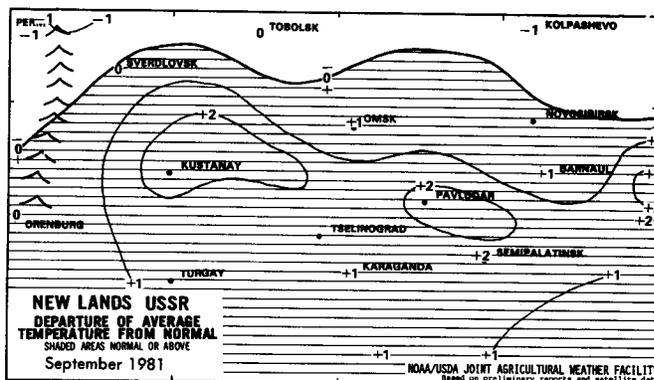
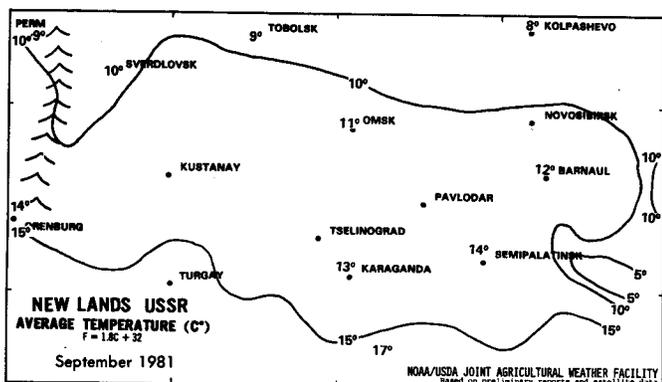
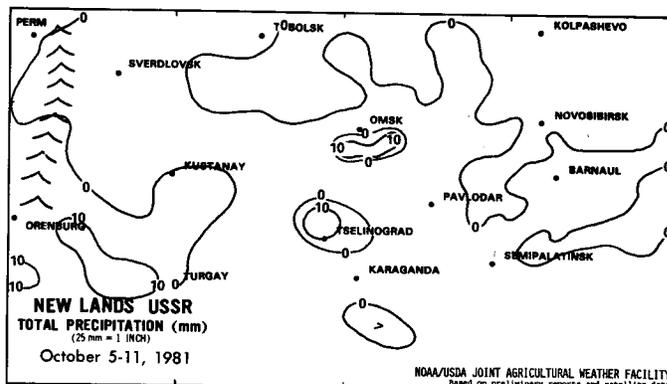
- USSR:** Generally favorable harvest weather; conditions somewhat too dry for winter grains in some areas.
- EUROPE:** Normal rainfall or above in central and northwestern countries and in western Iberian Peninsula.
- NORTHWESTERN AFRICA:** Light rainfall only in Morocco.
- SOUTH AFRICA:** Early season rains as corn planting begins.
- SOUTH ASIA:** Rainfall limited mostly to southern India.
- EASTERN ASIA:** Continued beneficial rains for southern winter grain areas; northern areas remain too dry.
- SOUTHEAST ASIA:** Widespread showers aid rice growth.
- AUSTRALIA:** Dry weather over all grain areas.
- SOUTH AMERICA:** Beneficial rains in Brazil; extremely dry in Argentina.
- CANADA:** Wet weather in the Prairies delays late harvest.
- MEXICO:** Storm Lidia dumps heavy rains, damaging northwestern soybeans.



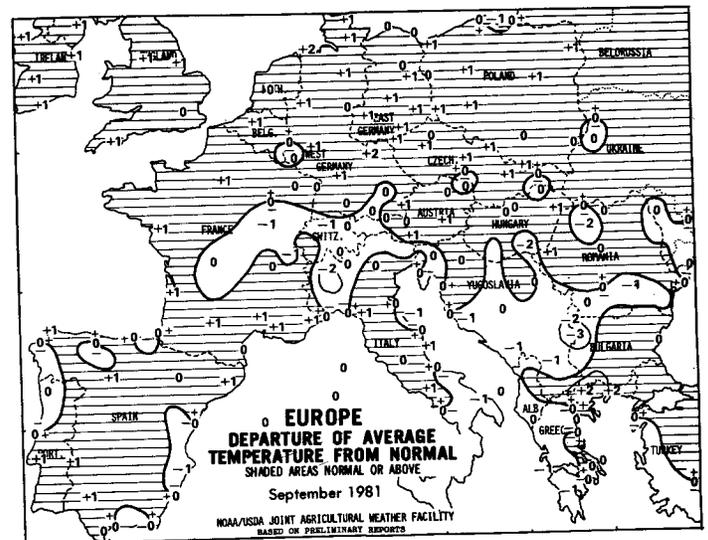
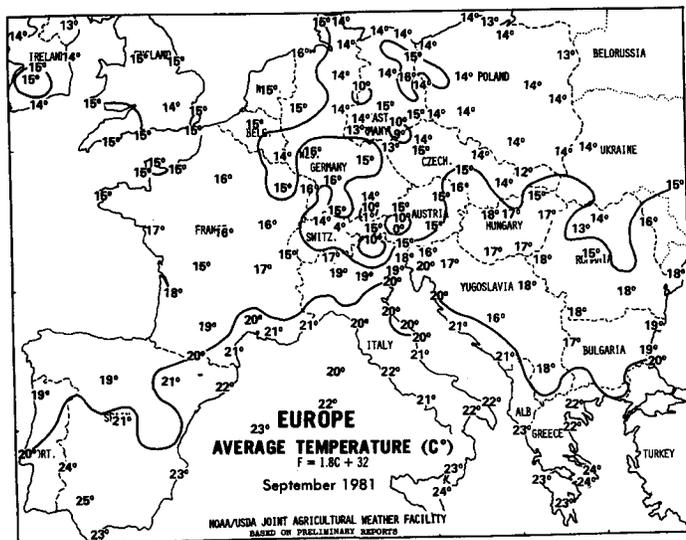
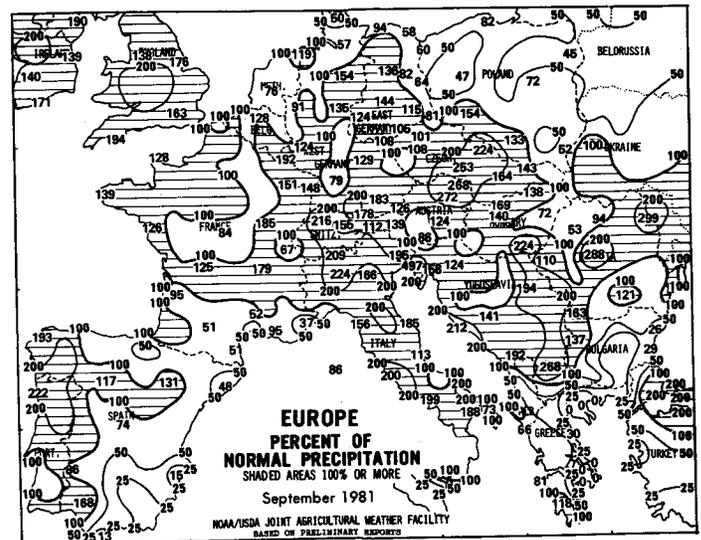
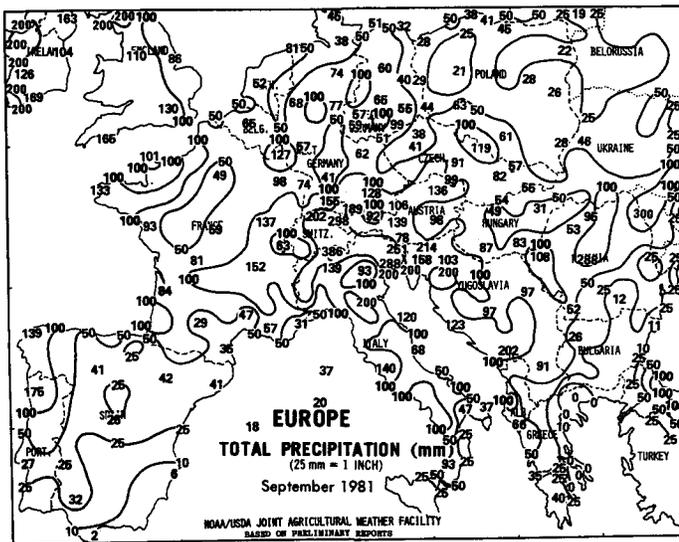
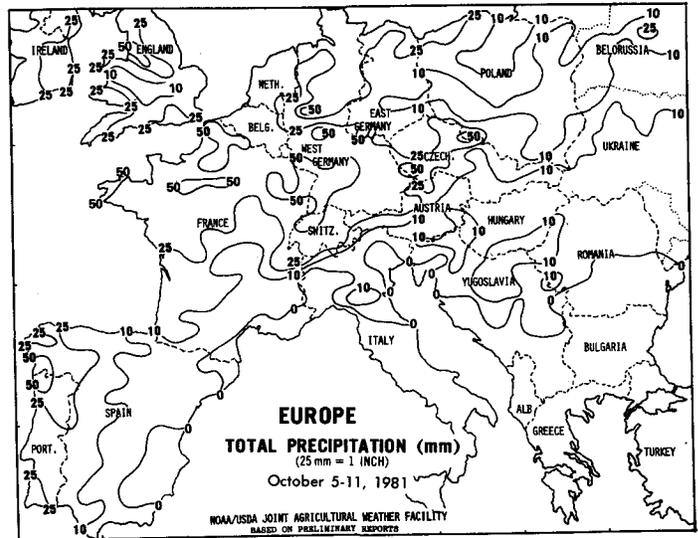
**WEST USSR:** Wet weather returned to northwestern parts of the region, while drier than normal weather persisted in the Ukraine and Volga Valley. Conditions were especially favorable for harvesting corn and sunflowers. Near-normal precipitation in central areas posed no harvesting problems. September weather had been mostly favorable for harvesting, with rainfall mainly concentrated in the third week. Above-normal temperatures prevailed in September and through the first 10 days of October. This warm weather favored harvesting, but surface soils in some winter grain areas are perhaps becoming a little too dry for good germination.



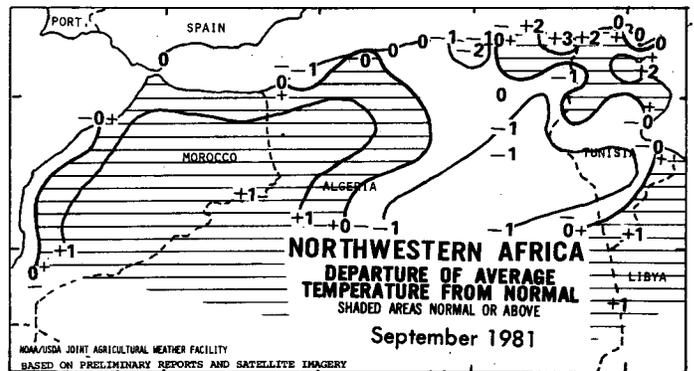
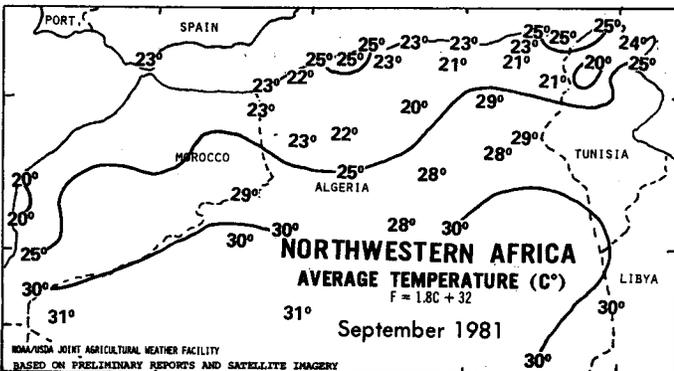
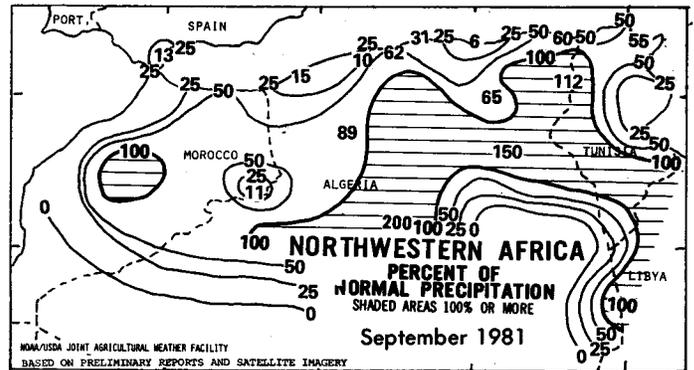
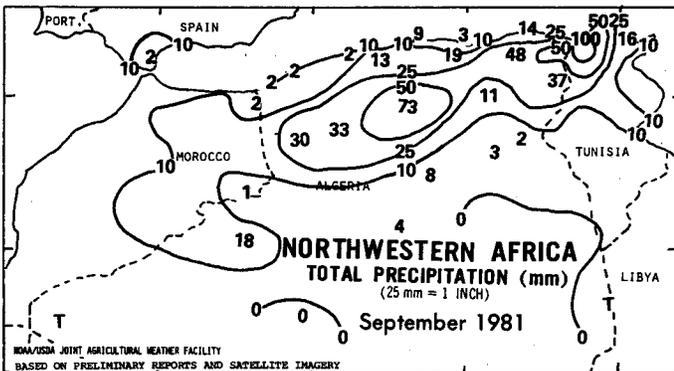
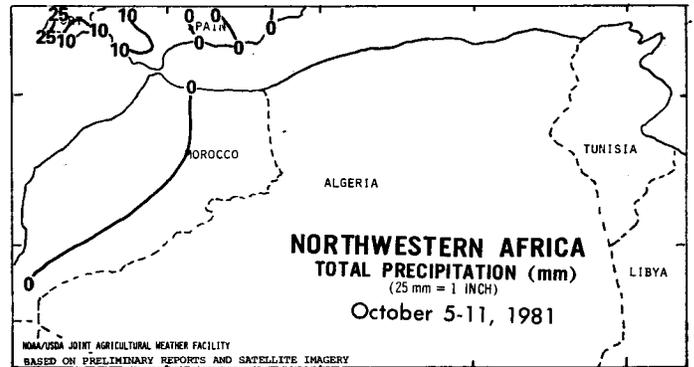
**NEW LANDS:** Drier weather moved into the region as high pressure dominated. Light precipitation in northeastern areas delayed rapid resumption of final harvesting. Wetter than normal September weather over much of the New Lands had not seriously disrupted harvesting, except in the northwest. Cotton-growing areas to the south received only light precipitation as harvesting continued. Weekly coverage of the New Lands will be suspended until next spring as the planting season approaches.



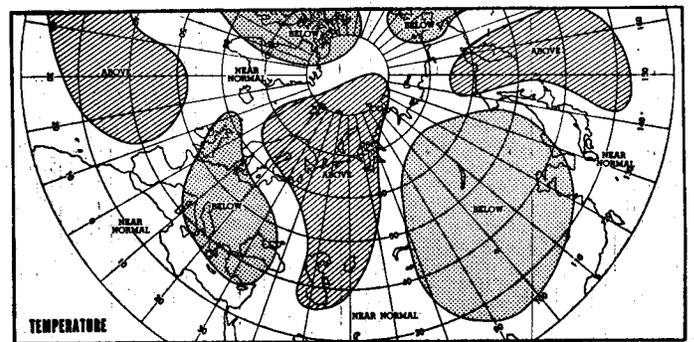
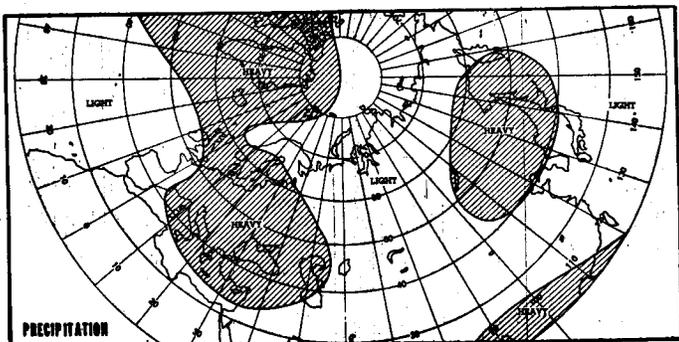
**EUROPE:** Precipitation stayed normal or above in central and northwestern countries. The western half of the Iberian Peninsula also received above-normal precipitation. The moisture followed favorable weather in September, when beneficial rain fell in these areas. Fall harvesting was not seriously disrupted in September, even in England where some of the wettest weather occurred. Drier weather in the southeastern countries during the week allowed rapid harvesting, while soil moisture was adequate for winter grains in most areas. Some dry pockets persisted in Bulgaria and conditions are becoming somewhat drier in Poland, where some areas had substantially lower than normal September rainfall. The only other potential problem area was southeastern Spain, where autumn rains have not yet materialized, but sowing of winter grains can be delayed for some time yet. Above-normal temperatures spread to cover all areas but the United Kingdom. September temperatures were near normal in all countries.



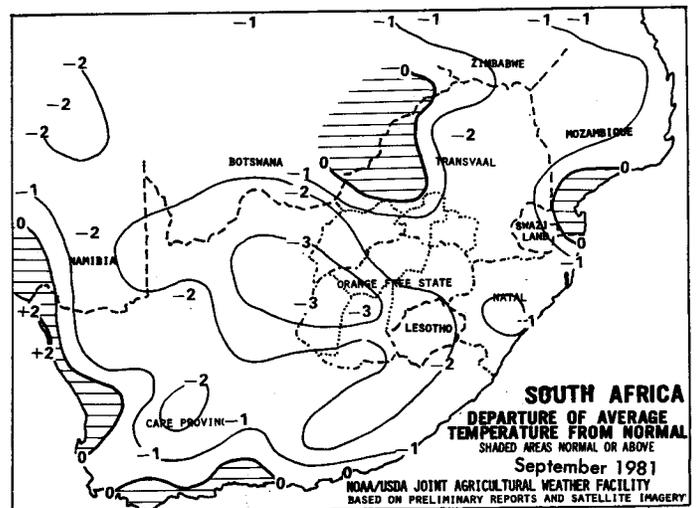
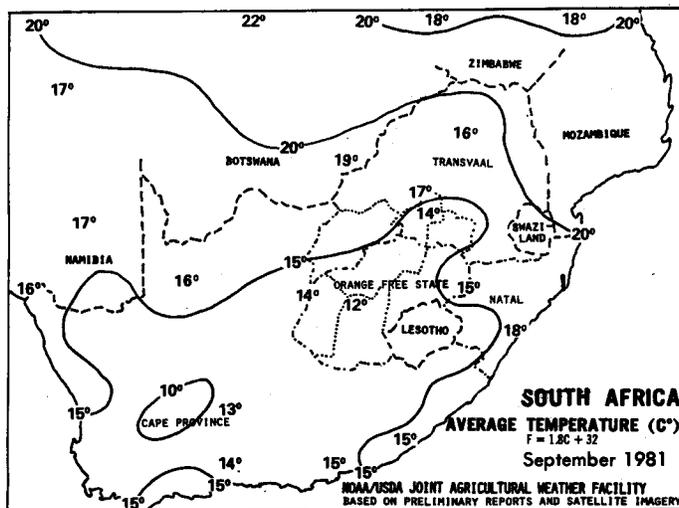
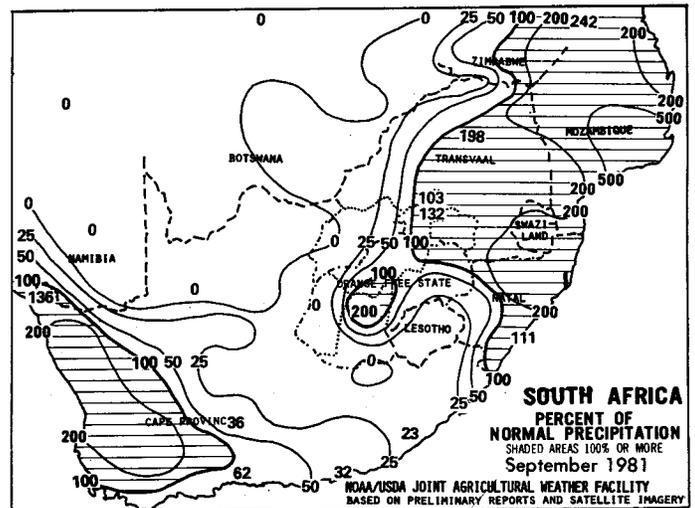
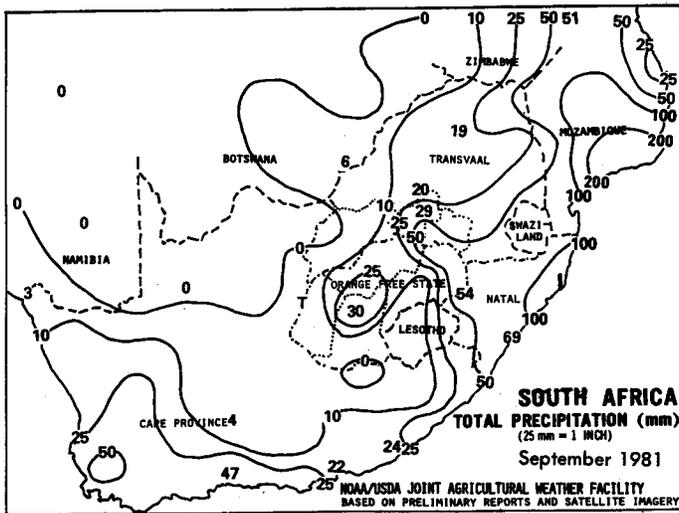
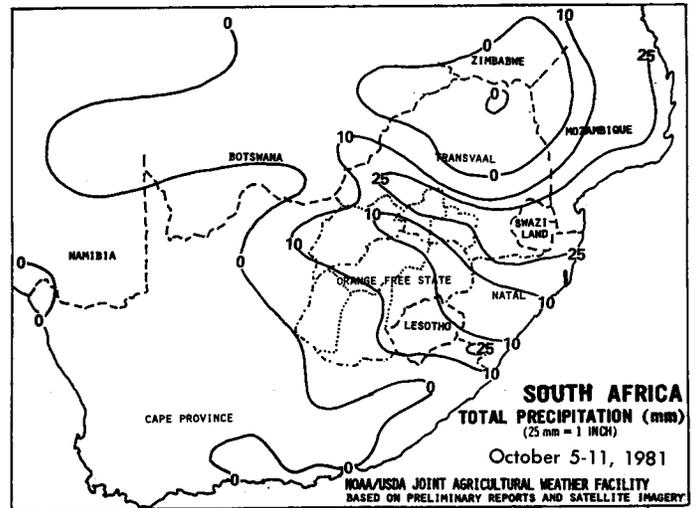
**NORTHWESTERN AFRICA:** Light rain fell only in Morocco during the week. During September, above-normal rains fell over interior areas of Algeria and western Tunisia, but most major agricultural areas of the region received below-normal rainfall. This delay in the onset of autumn rains is not of much agricultural significance, because winter grain sowing is normally just beginning in early October, and can be postponed until early December without substantial declines in potential yields.



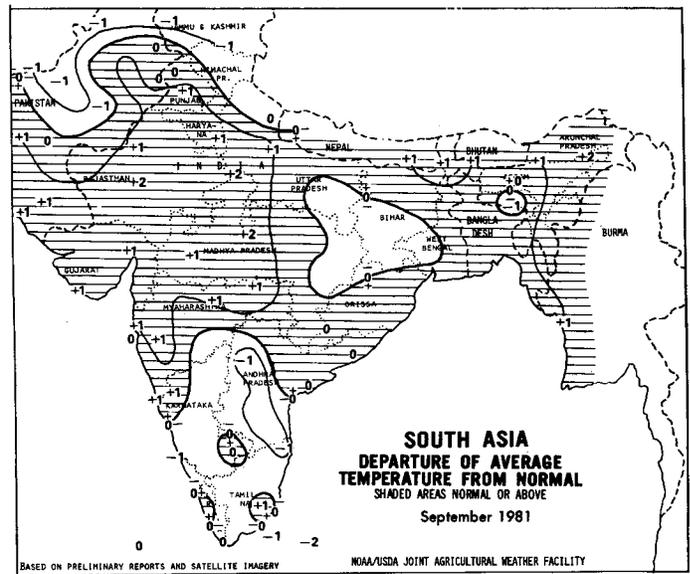
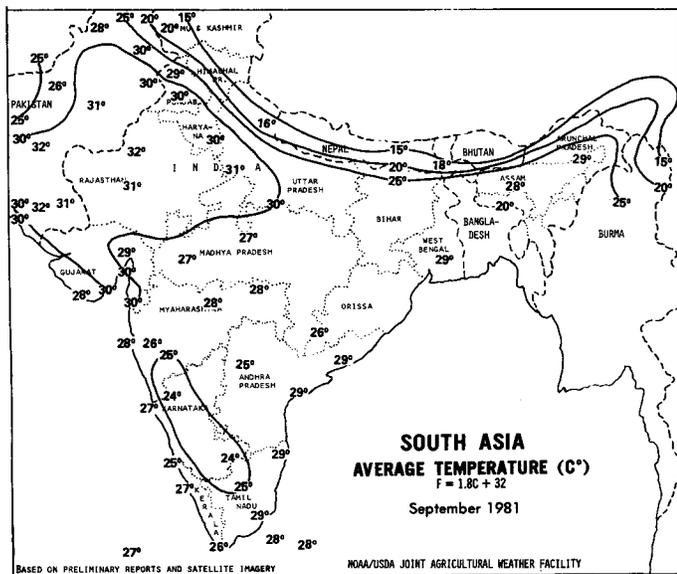
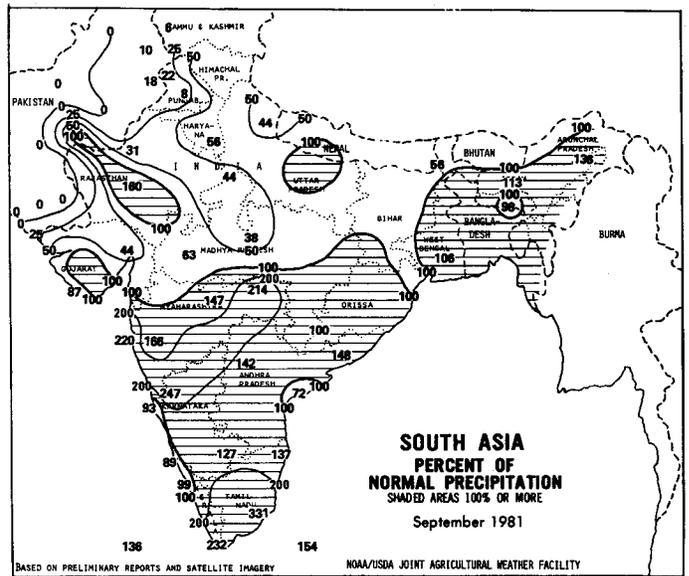
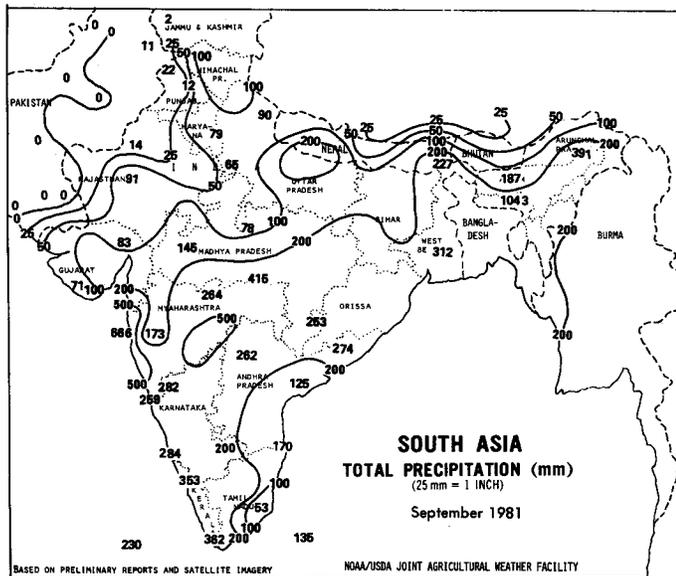
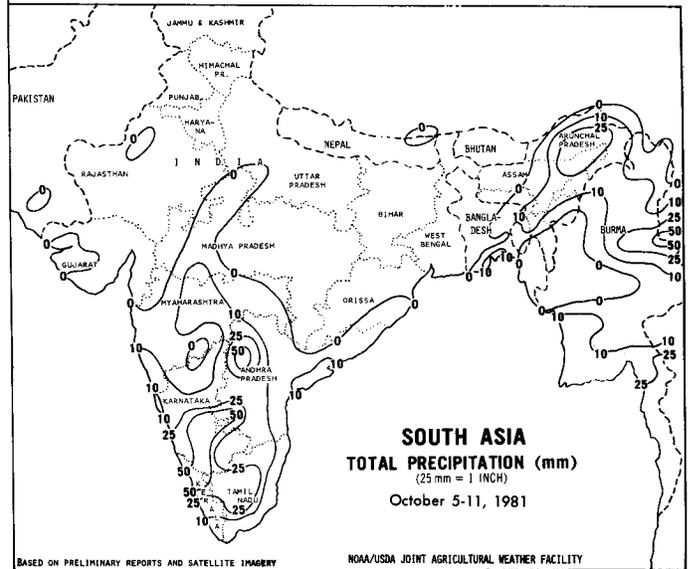
**EURASIA OUTLOOK FOR MID-OCTOBER TO MID-NOVEMBER**



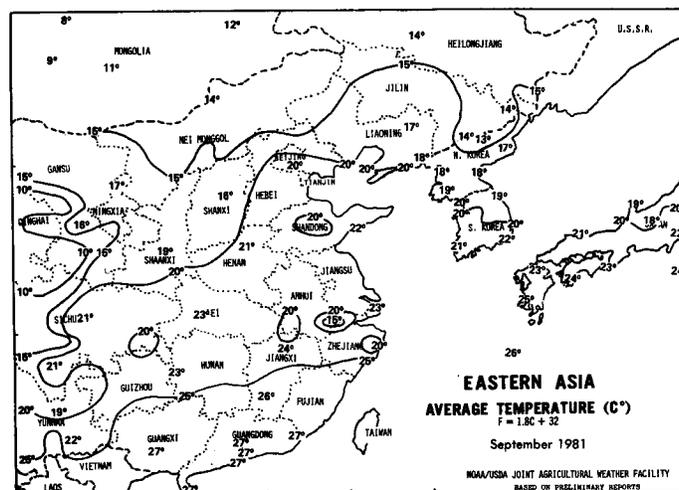
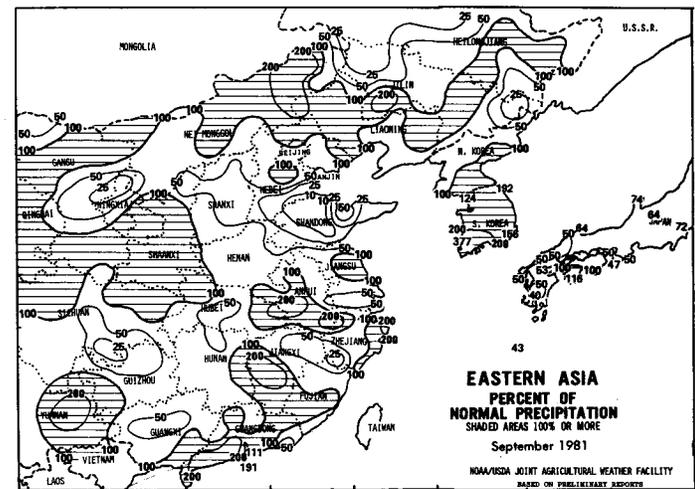
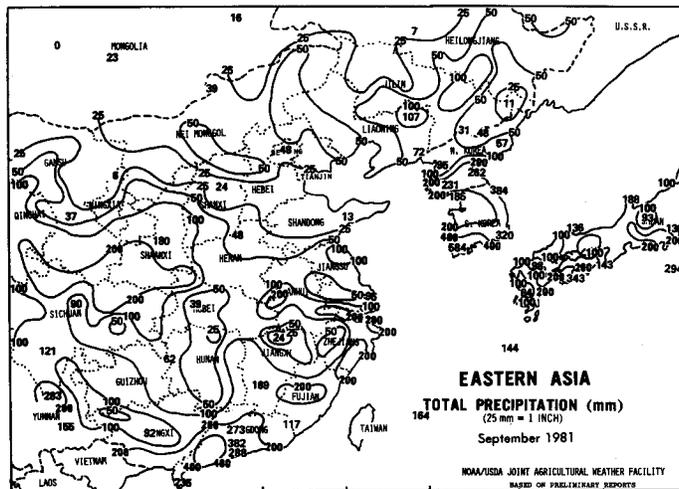
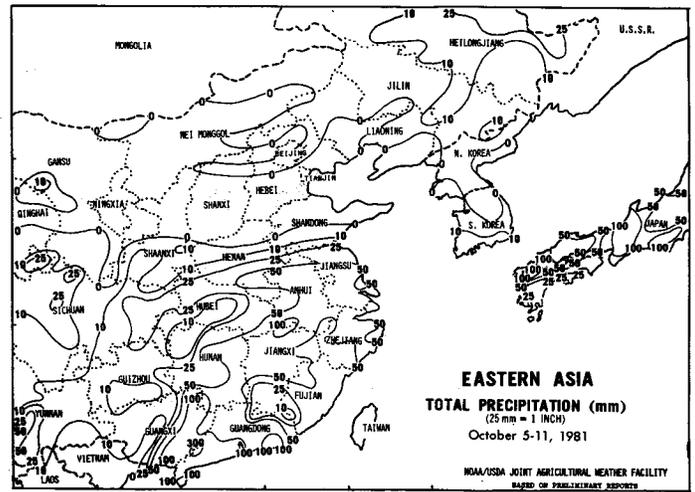
**SOUTH AFRICA:** About 80 percent of the annual rainfall in the corn-producing region of South Africa occurs between October and March. The Orange Free State and the Transvaal are the two most important states for corn production. Early season rains have provided generally favorable soil moisture conditions for sowing and emergence of the crop to be planted within the next few weeks. Moisture has been most plentiful in the eastern half of the crop area where September rainfall was above average. Weekly rainfall thus far in October continues to aid land preparation, sowing, and early emergence of the corn crop.

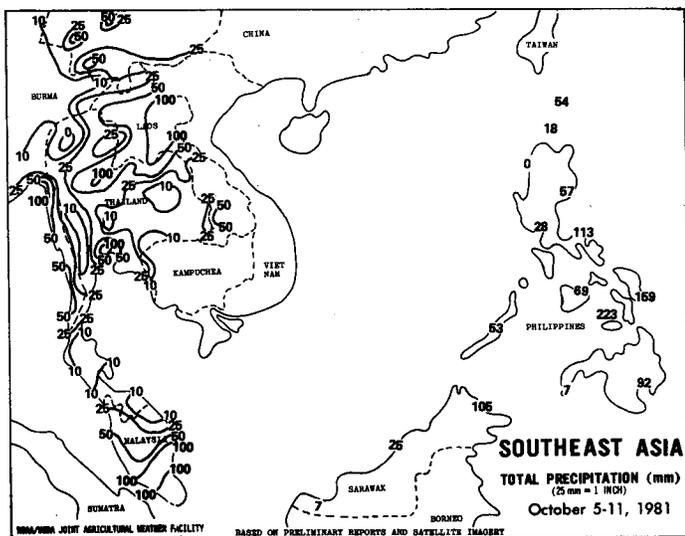


**SOUTH ASIA:** Rainfall was concentrated in the southern half of India, a near-normal pattern for early October. An early monsoon withdrawal from northwestern India hurt rice crop prospects and raised concern about sowing winter grain. Conditions for rice were much worse than indicated on the September rainfall maps, for most of the rain occurred on the last few days of the month--too late to save the rice. Winter grain sowing prospects were much improved by the moisture. Crop conditions in southern India should be quite good following above-normal September rainfall, and prospects for the harvest remain much better than a year ago.

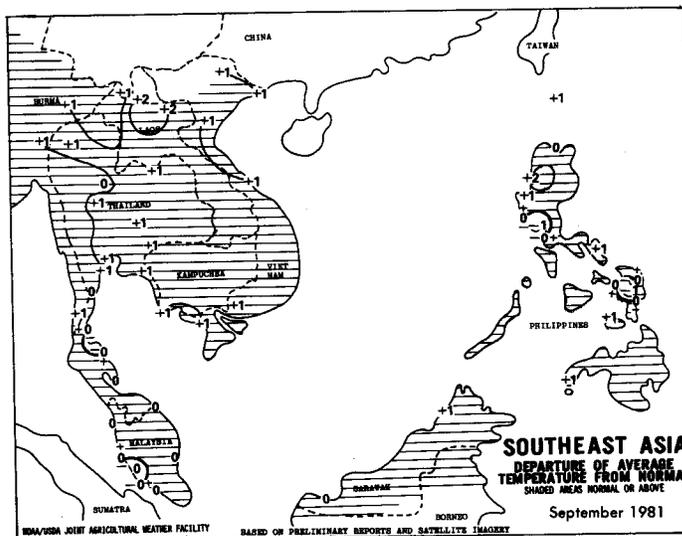
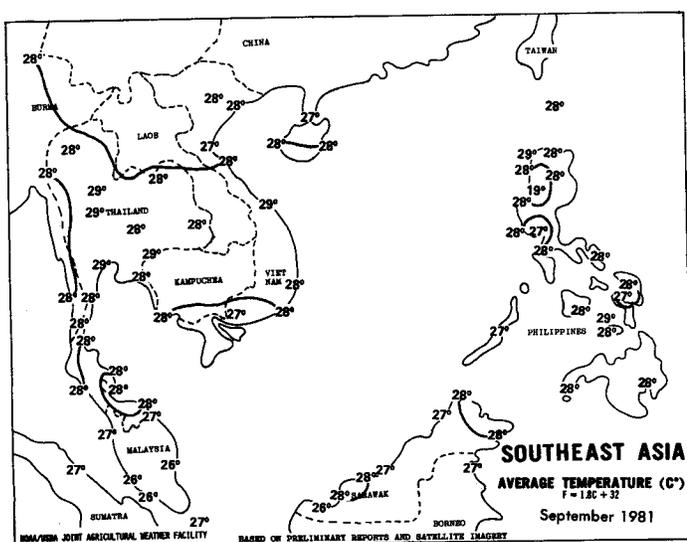
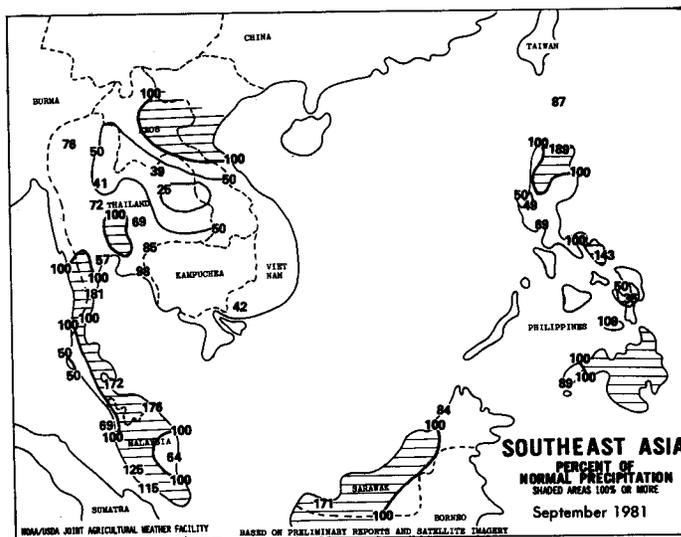
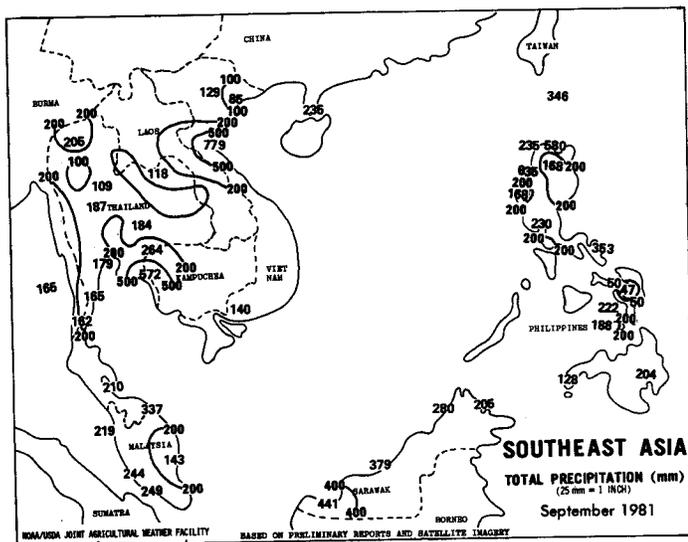


**EASTERN ASIA:** Above-normal rainfall continued to benefit most of the southern half of the winter grain belt. Conditions had become too dry for sowing in parts of this area where September rainfall was below normal. Much of Hebei and Shandong received very little rainfall, a pattern persisting since late August. Winter crop sowing prospects are not good in parts of this area where irrigation water is not available. Freezing temperatures briefly pushed as far south as southern Hebei during the week. South of the Yangtze River, heavy rainfall continued through the first half of the week in western double-crop rice areas. Conditions were unfavorably wet in this area during September as well. In South Korea, generally below-normal rainfall allowed harvesting to continue. Two tropical storms during September had dumped heavy rains over the entire country, creating unfavorable harvest conditions.

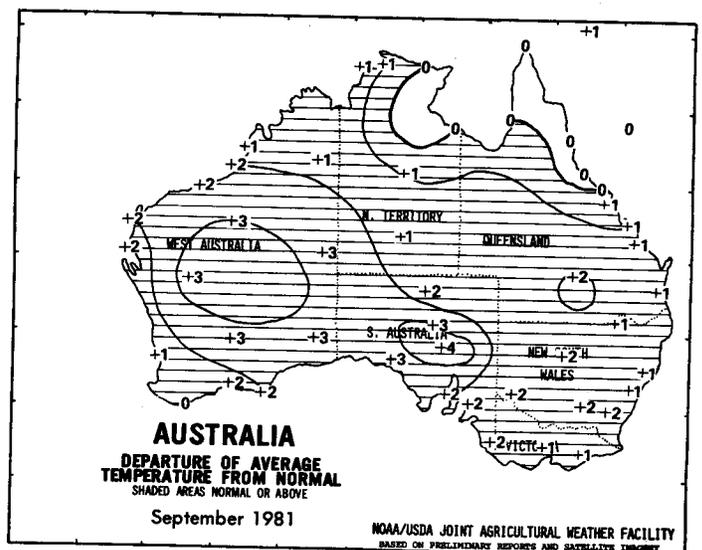
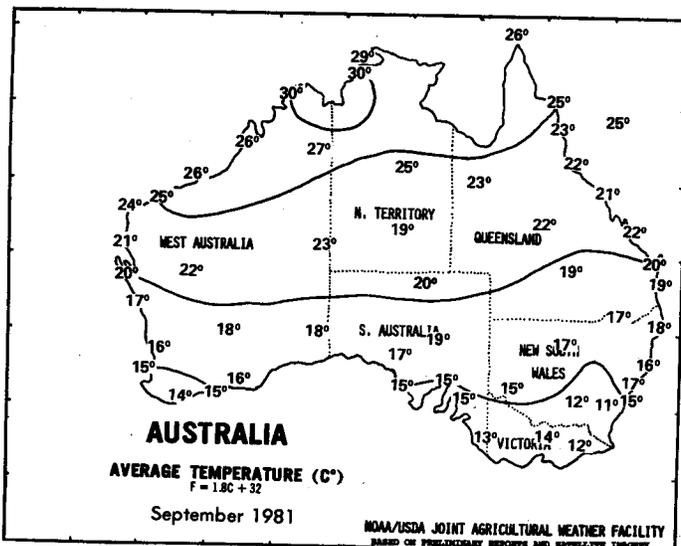
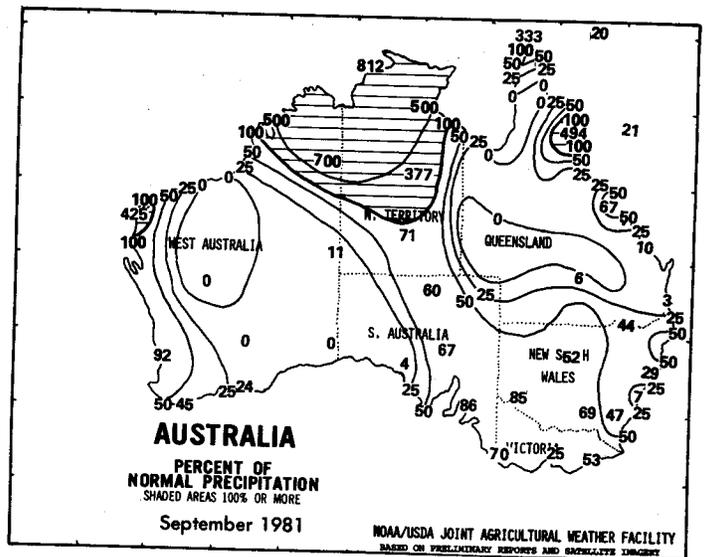
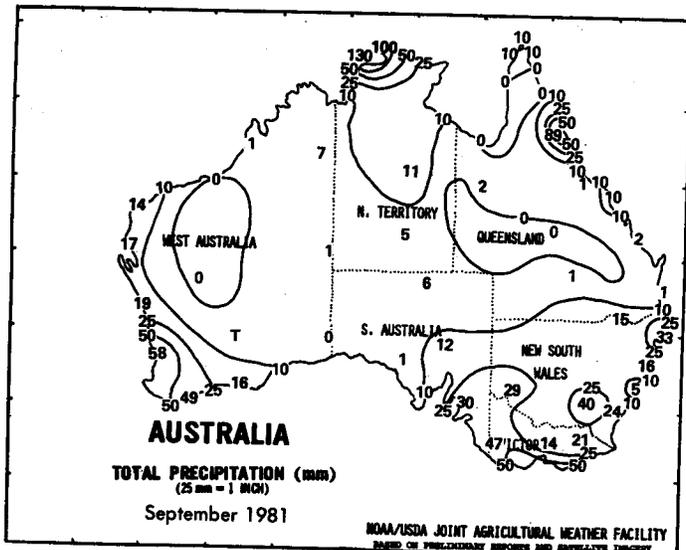
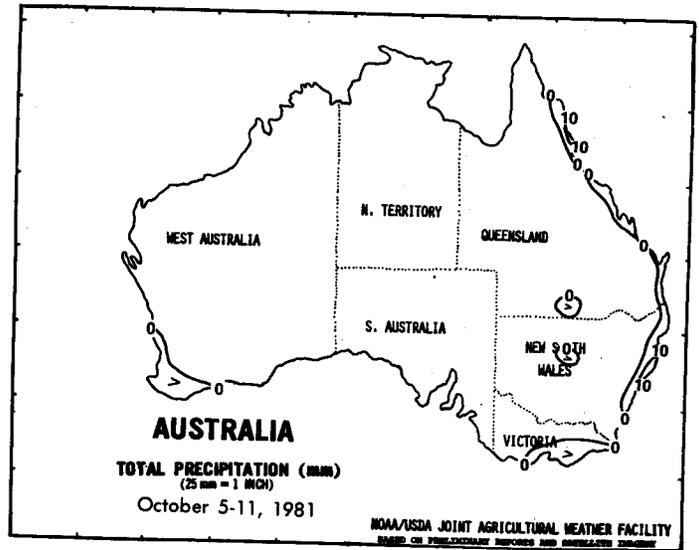




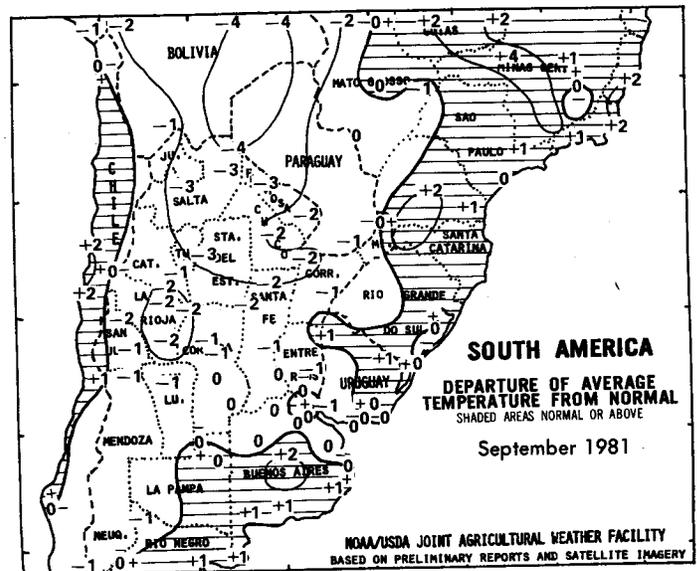
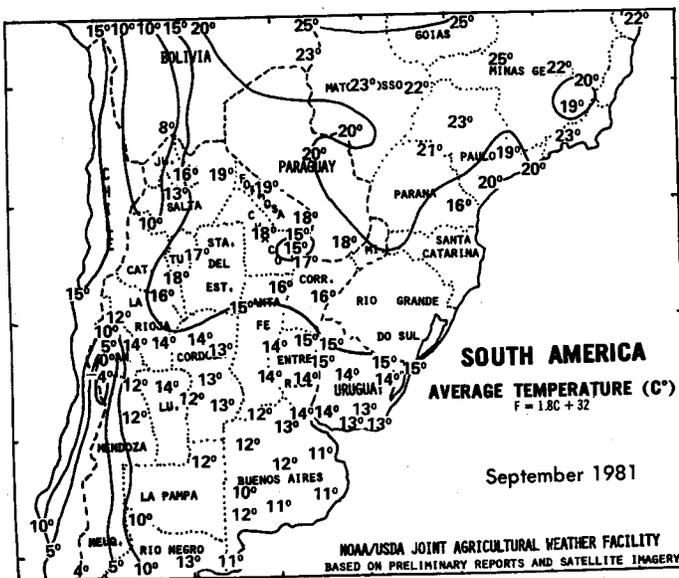
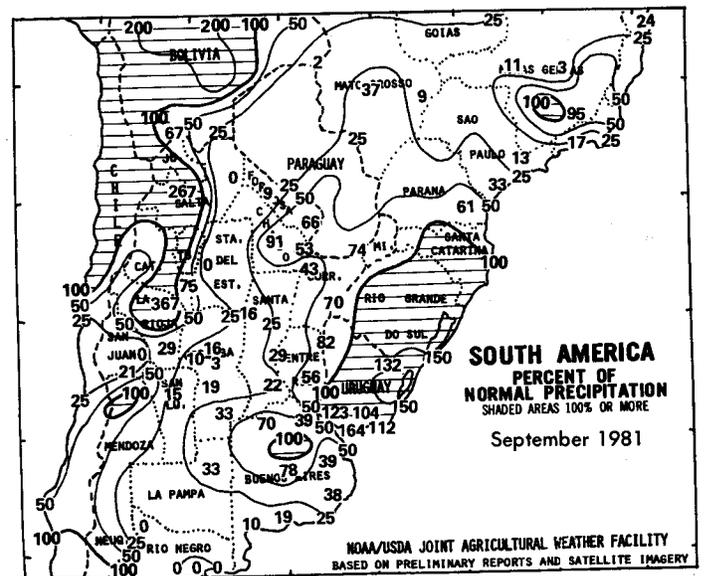
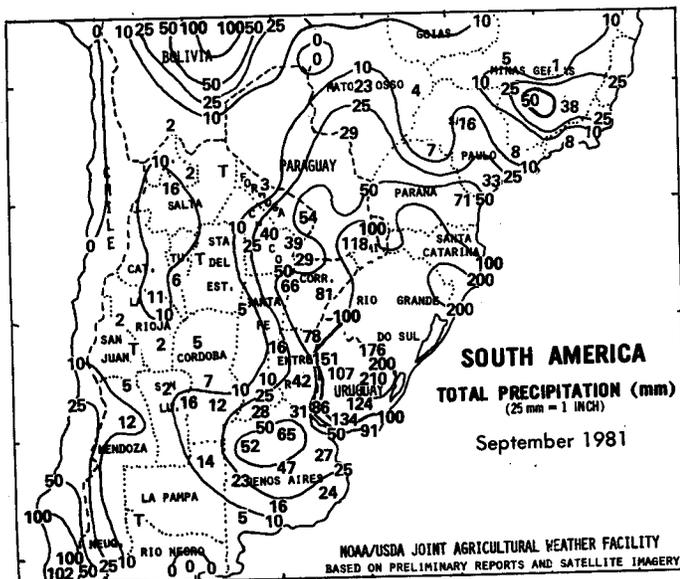
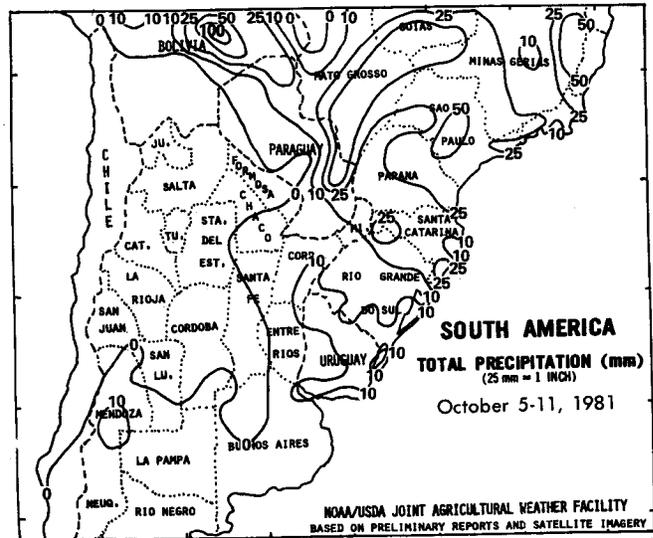
**SOUTHEAST ASIA:** Widespread showers fell over much of Southeast Asia, producing beneficial moisture for crops and irrigation reservoirs. Locally heavy rain in Thailand's northern highlands and in portions of the Central Plains provided abundant late-season moisture for rice growth. Rainfall was light in extreme western Thailand and in the Northeastern portion of the country. However, scattered reports indicate significant rainfall in much of Laos and southeastern Burma. Thailand's rice crop benefited from this moisture, especially since rainfall in recent weeks had been below normal throughout the Central Plains. In fact, nearly all of Thailand received below-average rainfall during September.



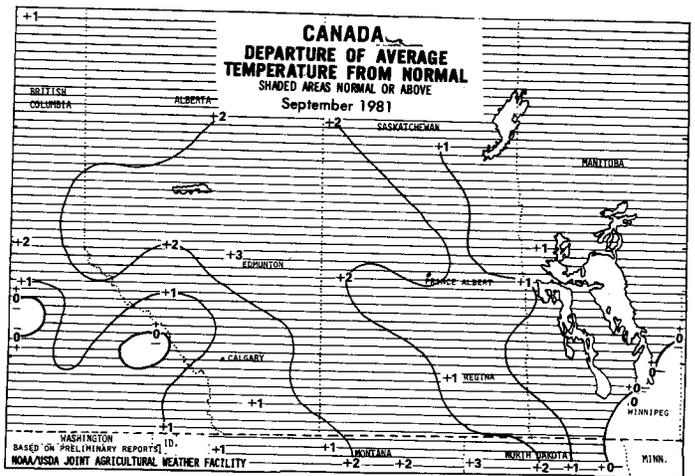
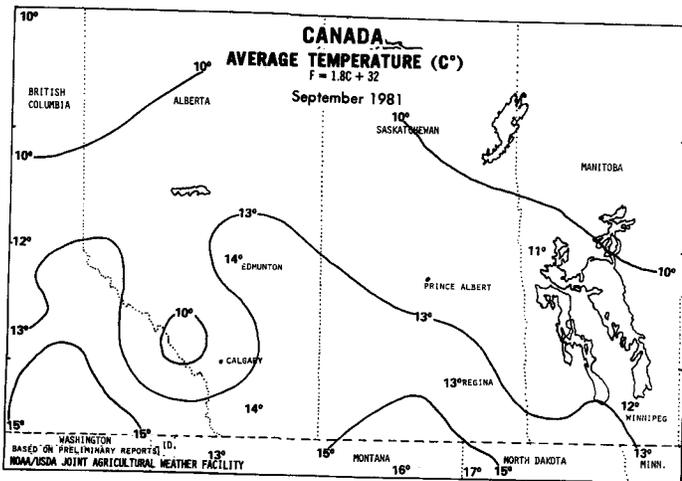
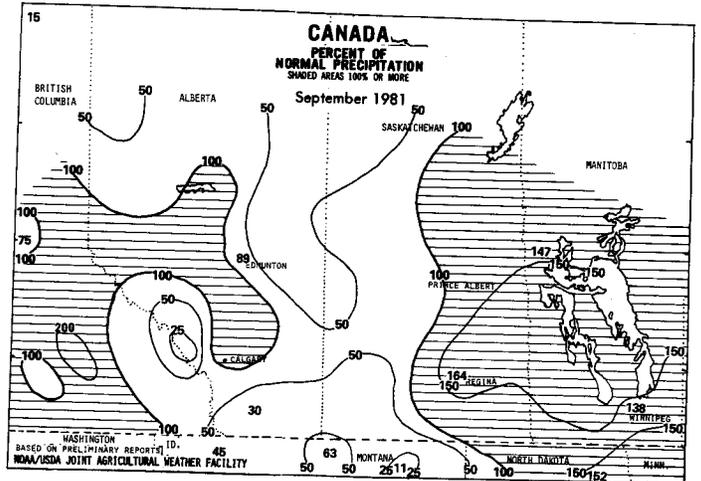
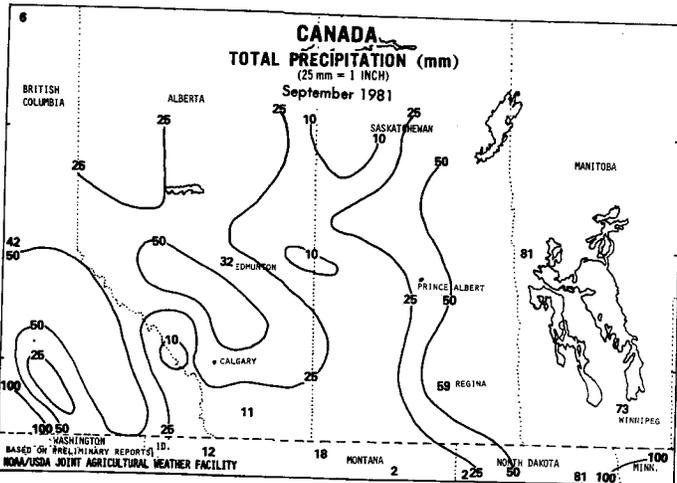
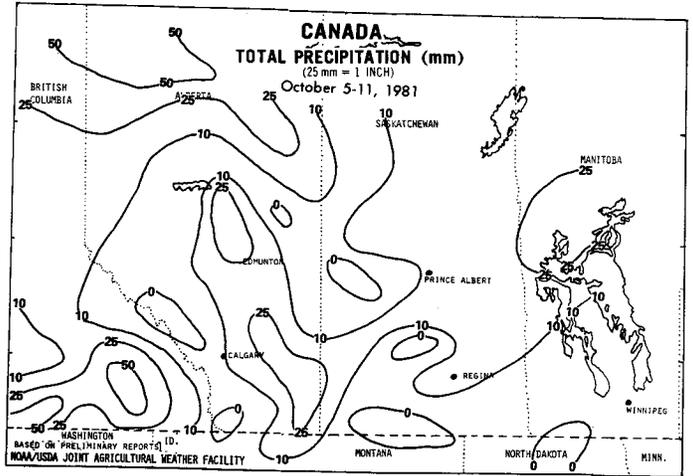
**AUSTRALIA:** Little precipitation fell on southern grain areas. According to the normal crop calendar, wheat grown in these areas is in the late vegetative to early heading stages, and more rain is needed because below normal precipitation occurred during the month of September. Satellite imagery and preliminary reports indicate that some shower activity may have occurred over the wheat area in northern New South Wales and southern Queensland late in the weekend. This area received well below-normal precipitation since early August as the crop progressed through its critical grain-filling stage. Thus, the crop had to rely on limited soil moisture reserves. Temperatures were near normal in grain areas of South Australia, and New South Wales, but slightly below normal in West Australia. In general, temperatures over most of Australia were above normal in September.



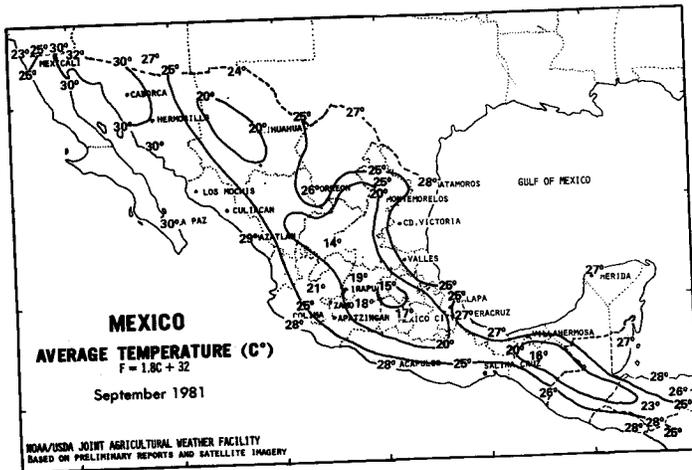
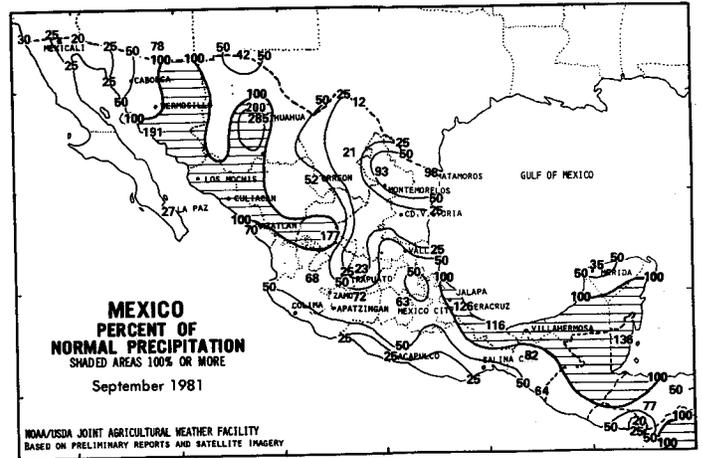
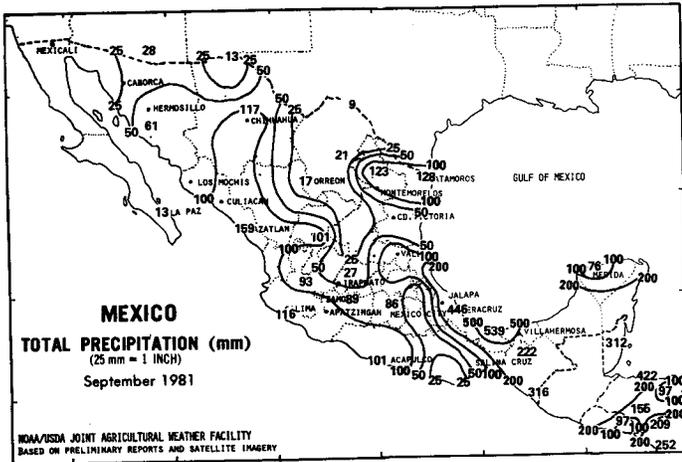
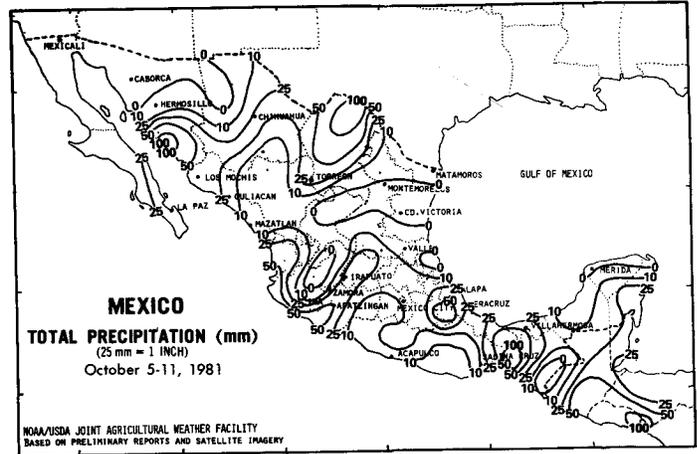
**SOUTH AMERICA:** Widespread rains fell on crop areas of Panama, Sao Paulo, and Minas Gerais. The precipitation benefited coffee in the critical bloom period and provided favorable soil moisture conditions for corn. Corn planting is well underway in these areas which had received below-normal rainfall in September. Modest precipitation fell on wheat, corn, and soybean areas of Santa Catarina and Rio Grande do Sul. However, above-normal rainfall in September provided favorable soil moisture conditions for these crops. Temperatures in Brazil, although above normal in September, were near normal this week. In Argentina, a much below normal precipitation pattern has persisted since early June over wheat areas of Santa Fe, Cordoba, and Buenos Aires. Low temperatures over southwest and southern Buenos Aires were near to slightly below freezing this week, slowing the vegetative growth of wheat. In contrast, temperatures over Argentine wheat areas were near to above normal during September.



**CANADA:** Showers were widely distributed throughout the Canadian Prairies as a storm system pushed through the region late in the week. The wet weather slowed late harvest work, especially in areas which received over 10 mm of rain. However, the grain harvest is nearly complete in most areas; thus, the impact of the wet weather on total crop production will be minimal. Weekly weather summaries will be discontinued until next spring when land preparation begins for spring planting.



**MEXICO:** Tropical storm Lidia generated heavy rains and high winds over parts of northwestern Mexico on October 7. Over 100 mm of rain damaged unharvested soybeans, flooded some dams and lowlands, and caused several fatalities as the storm brushed La Paz and moved inland near Navojoa. Abundant rains falling over Coahuila benefited rangeland, cattle and germination of winter wheat. Above-normal rainfall in September over several northwestern watersheds kept reservoirs near seasonal levels, offering adequate water for winter vegetables and wheat, and even some of next summer's crops. Rains finally came to the northern citrus region, while prolonged dryness continued over central orchards. Sunny and dry--excellent corn harvesting weather--prevailed over most of the southern Plateau during the last several weeks.



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Tropical Storm Lidia deluged Mexico's West Coast farms on October 7, heavily damaging unharvested soybeans, young tomatoes, and cucumbers.

Hurricane Norma slammed into Mexico's lower West Coast vegetable district on October 11, destroying young tomatoes and cucumbers.

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