

# 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

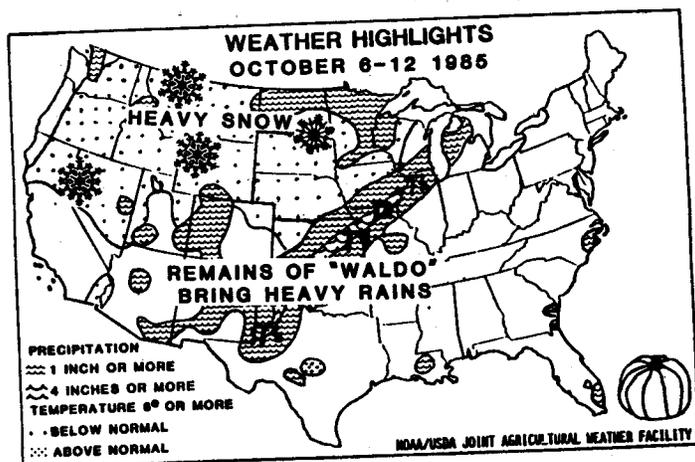
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Oct. 16, 1985

## National Weather Summary

October 6 to 12, 1985



weather prevailed east of the Mississippi River, except for widely scattered showers and thunderstorms.

**TUESDAY...**The severe winter storm continued to cause heavy snowfall and extremely low temperatures as it moved out of the Rockies onto the northern Plains. Showers and thunderstorms occurred from interior sections of California across the southern Rockies, the central and southern Plains, and across the Mississippi Valley to the Great Lakes. There were also some showers along the south Atlantic Coast. Strong gusty winds extended from the Mississippi Valley across the Ohio Valleys and the Great Lakes. An upper-level low brought snow to the Sierra Nevada and the central Plateau.

**WEDNESDAY...**Snow continued falling across the Sierra Nevada, much of the Great Basin, over northern Colorado, western Nebraska, and the Dakotas. Some freezing drizzle occurred from southeastern Wyoming through northwestern Kansas. Rain fell across west Texas, Oklahoma, Kansas, and the lower half of the Missouri Valley. Remnants of Hurricane Waldo brought heavy thunderstorms to west Texas.

**THURSDAY...**Torrential rain fell across much of western Texas, western Oklahoma, Kansas, northern Missouri, Illinois, and in parts of the adjacent States. The remnants of Hurricane Waldo spread northeastward along a cold front. Many rivers rose above flood stage. Tropical storm Isabel brought heavy rains and high winds to much of the Florida peninsula. Fair weather prevailed elsewhere in the Southeast. Fair but cold weather extended over the northern Plains and the Pacific Northwest.

**FRIDAY...**Heavy showers and thunderstorms occurred over New Mexico. Rain also extended across much of Colorado, Kansas, Missouri, Iowa, and west Texas. Remnants of tropical storm Isabel caused scattered rainshowers from southeast Georgia through the

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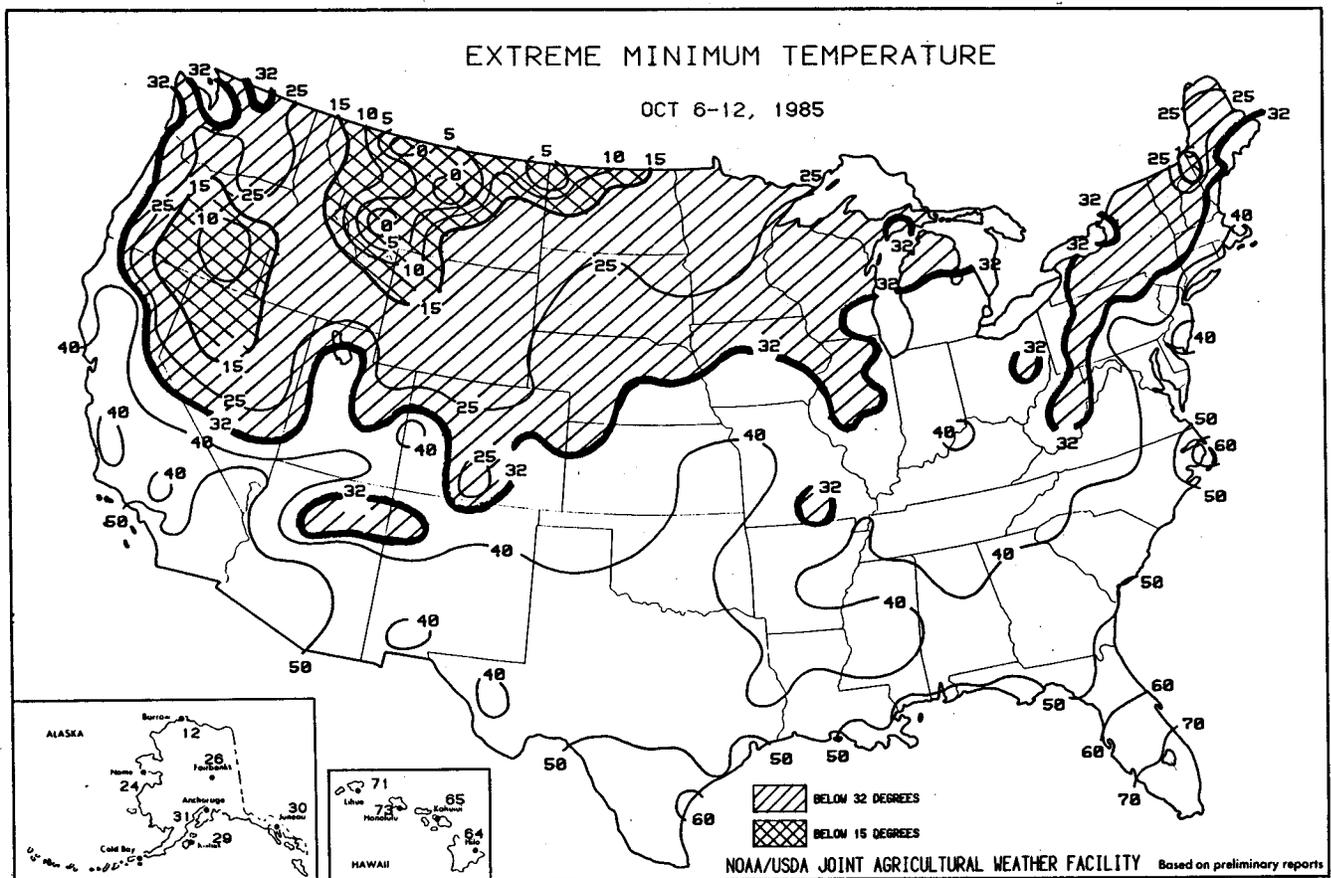
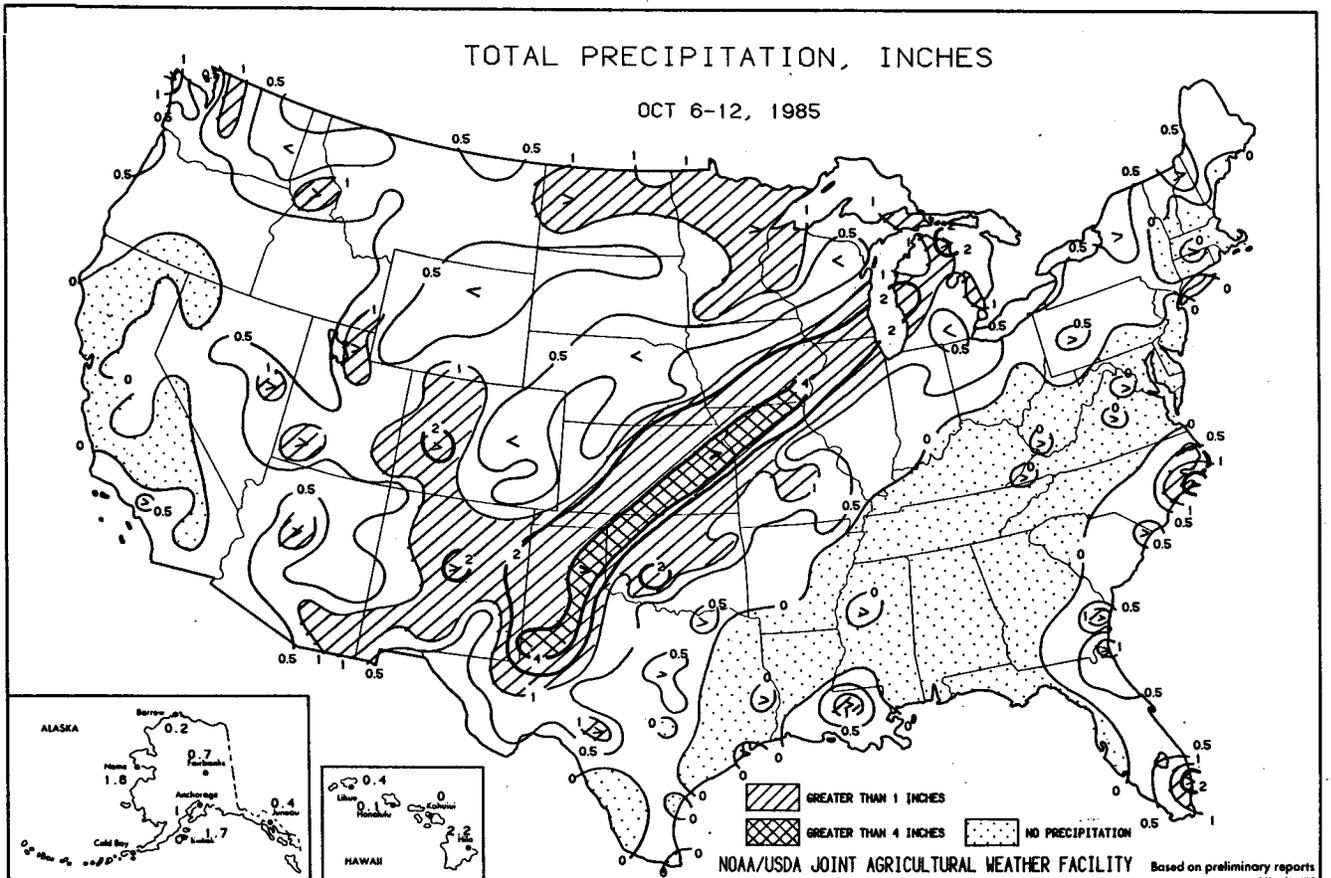
**HIGHLIGHTS:** A severe winter storm developed over the northern Rockies Sunday and Monday, and moved eastward onto the northern Great Plains Tuesday. An upper-air disturbance brought snow to the Sierra Nevada and the Central Plateau on Tuesday. On Wednesday, as snow continued to fall from the Sierra Nevada across the Great Basin, Colorado and the Dakotas, remnants of Hurricane Waldo brought heavy thunderstorms to West Texas. On Thursday and Friday, a vigorous cold front stretching northeastward from Texas through Ohio brought torrential rain to much of the southern and central Plains. The remains of Hurricane Waldo supplied abundant moisture. Remnants of tropical storm Isabel caused some rain from southeastern Georgia to the eastern Carolinas late in the week. By Saturday, the heaviest rains over the central United States were over Iowa, northern Illinois, Michigan, and northern Ohio.

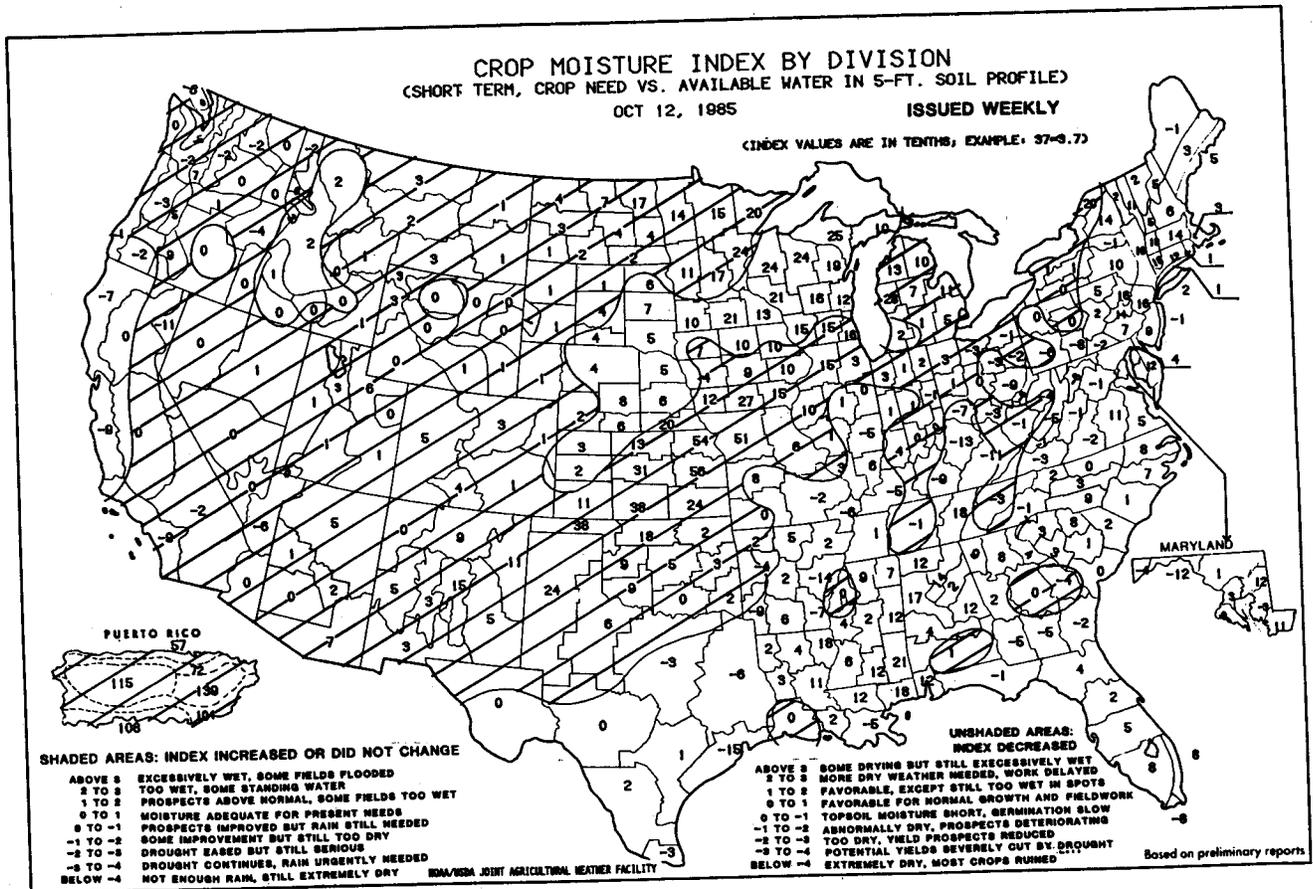
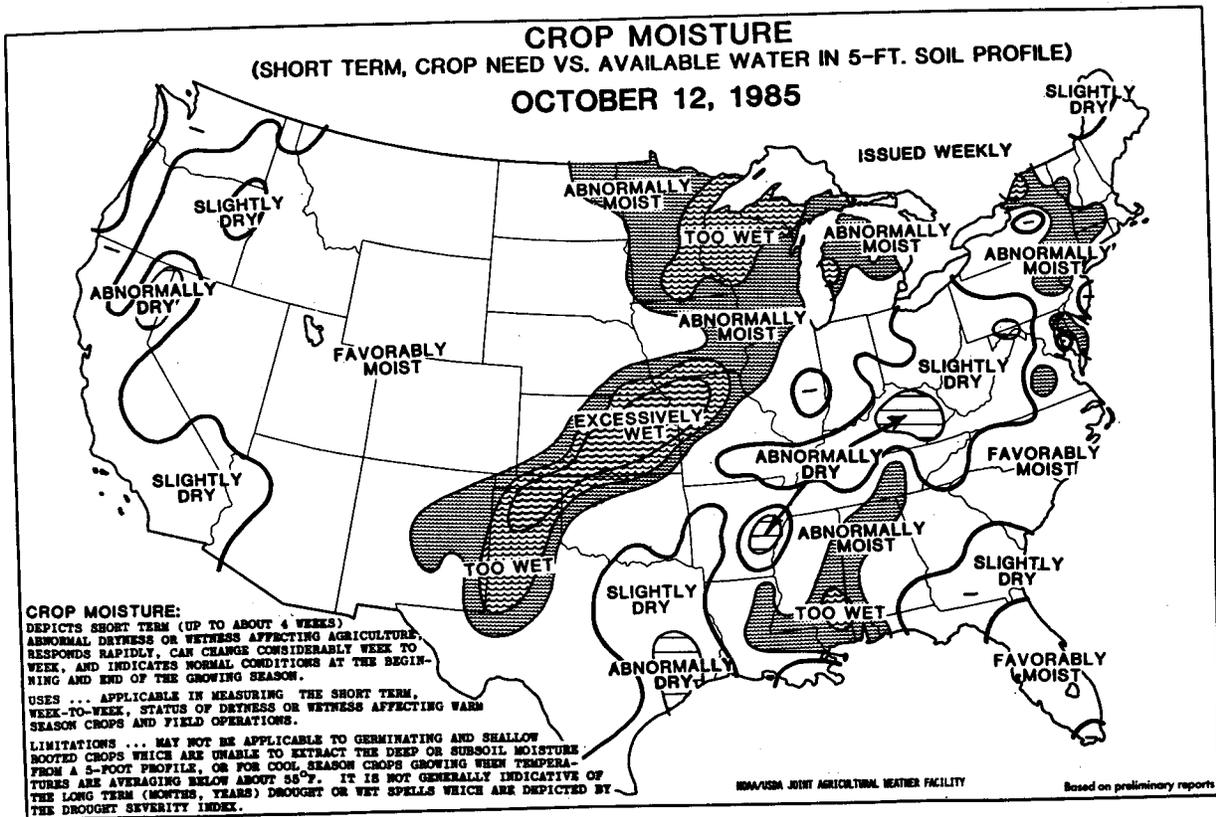
**SUNDAY...**A strong high-pressure system over the deep South resulted in record-low temperatures as far south as the Gulf States. Fair weather prevailed from the central and southern Atlantic coast across the Gulf Coast, as well as in the southern central Rockies. A few showers were reported elsewhere in the Nation, and scattered thundershowers were over south Florida. Heavy snow began falling over Montana and Idaho, as a severe winter storm developed over the Northwest.

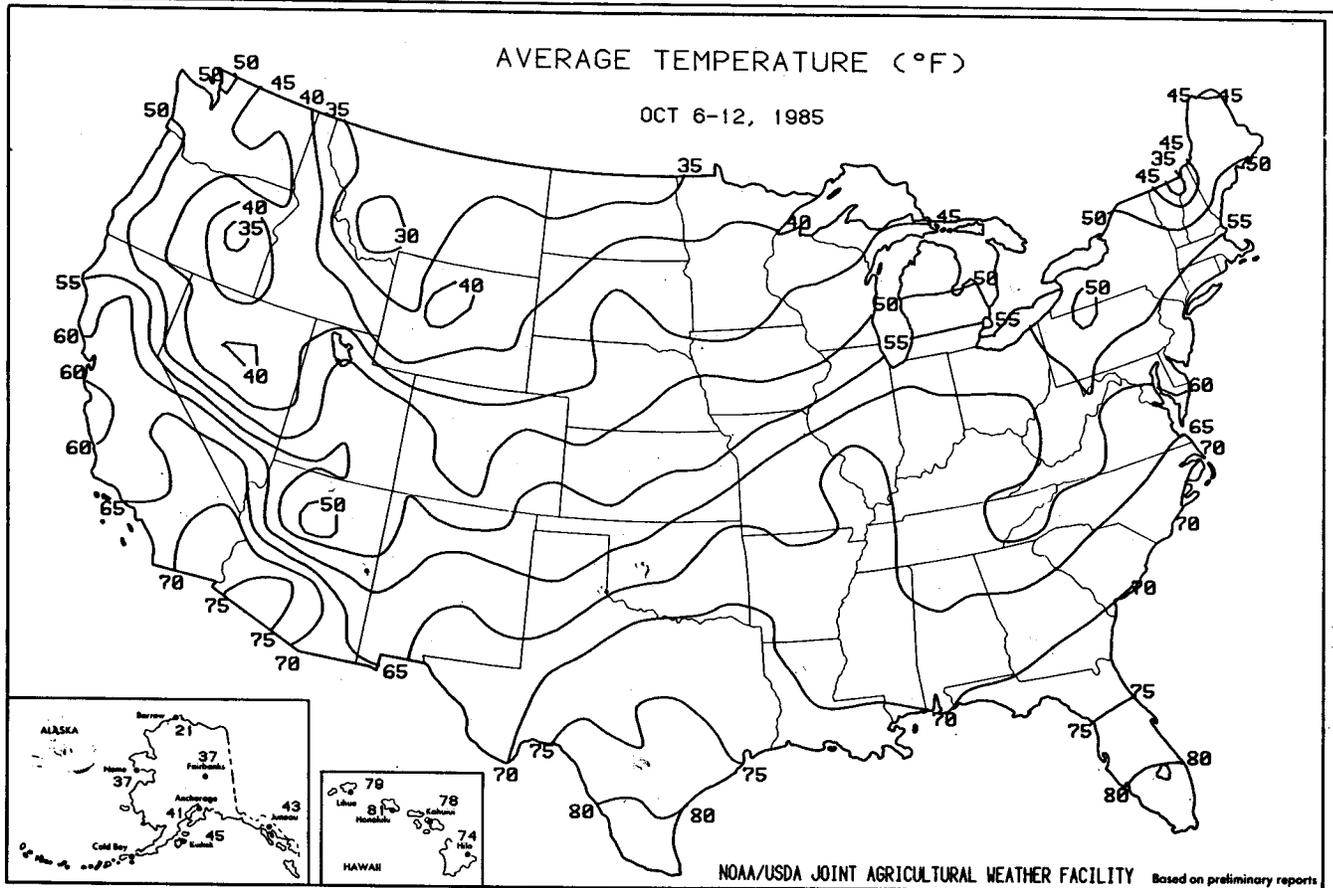
**MONDAY...**The winter storm over the northern Rockies covered some mountain passes with over 2 feet of new snow. Snow fell over most of Montana, Idaho, much of Utah, and North Dakota. Snow changed to rain across parts of Idaho and adjacent States. High winds with some wind speeds exceeding 60 mph blew across the northern and central Rockies, the Intermountain Region, the Great Plains, the Southwest, and parts of the Midwest. Mostly fair

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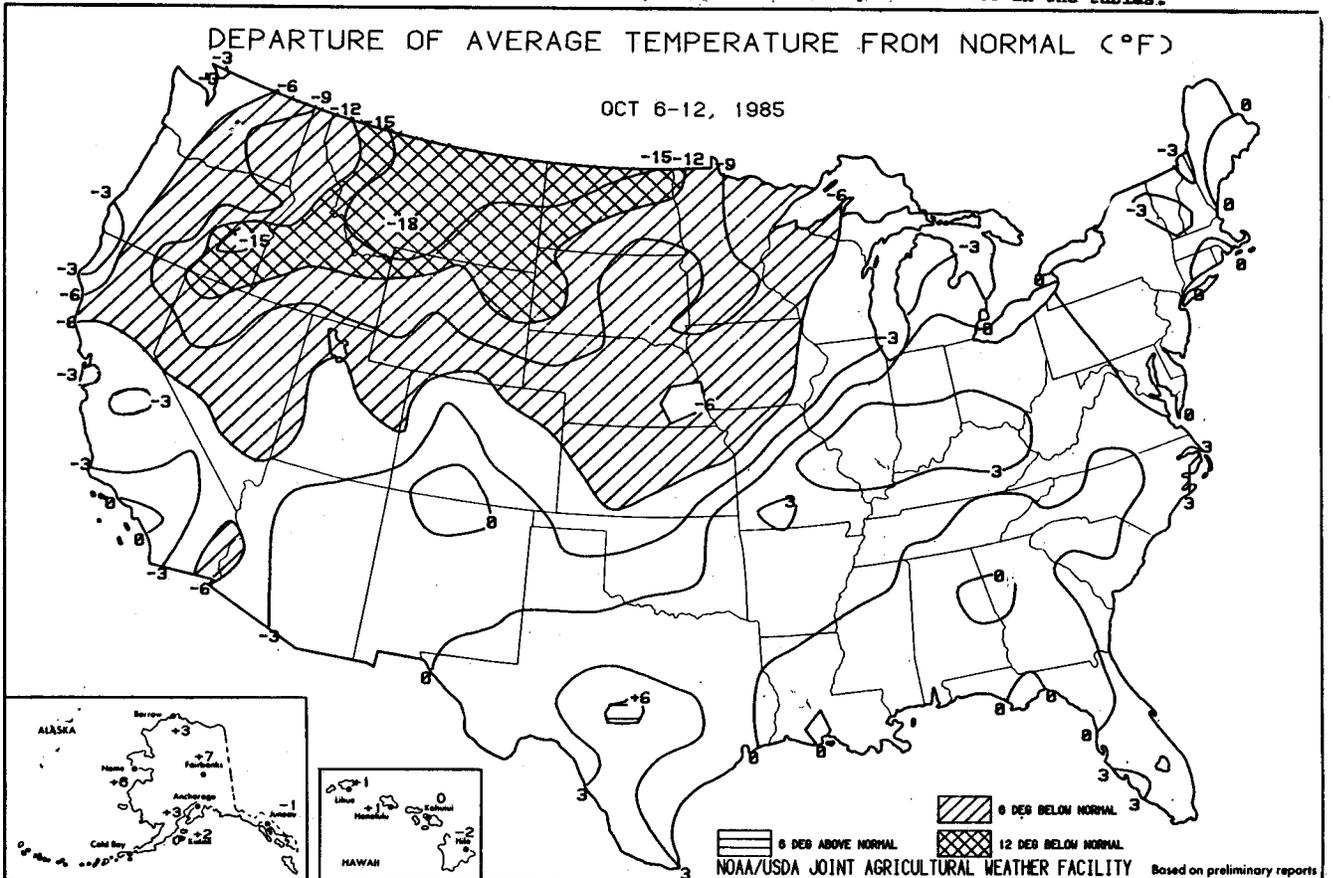
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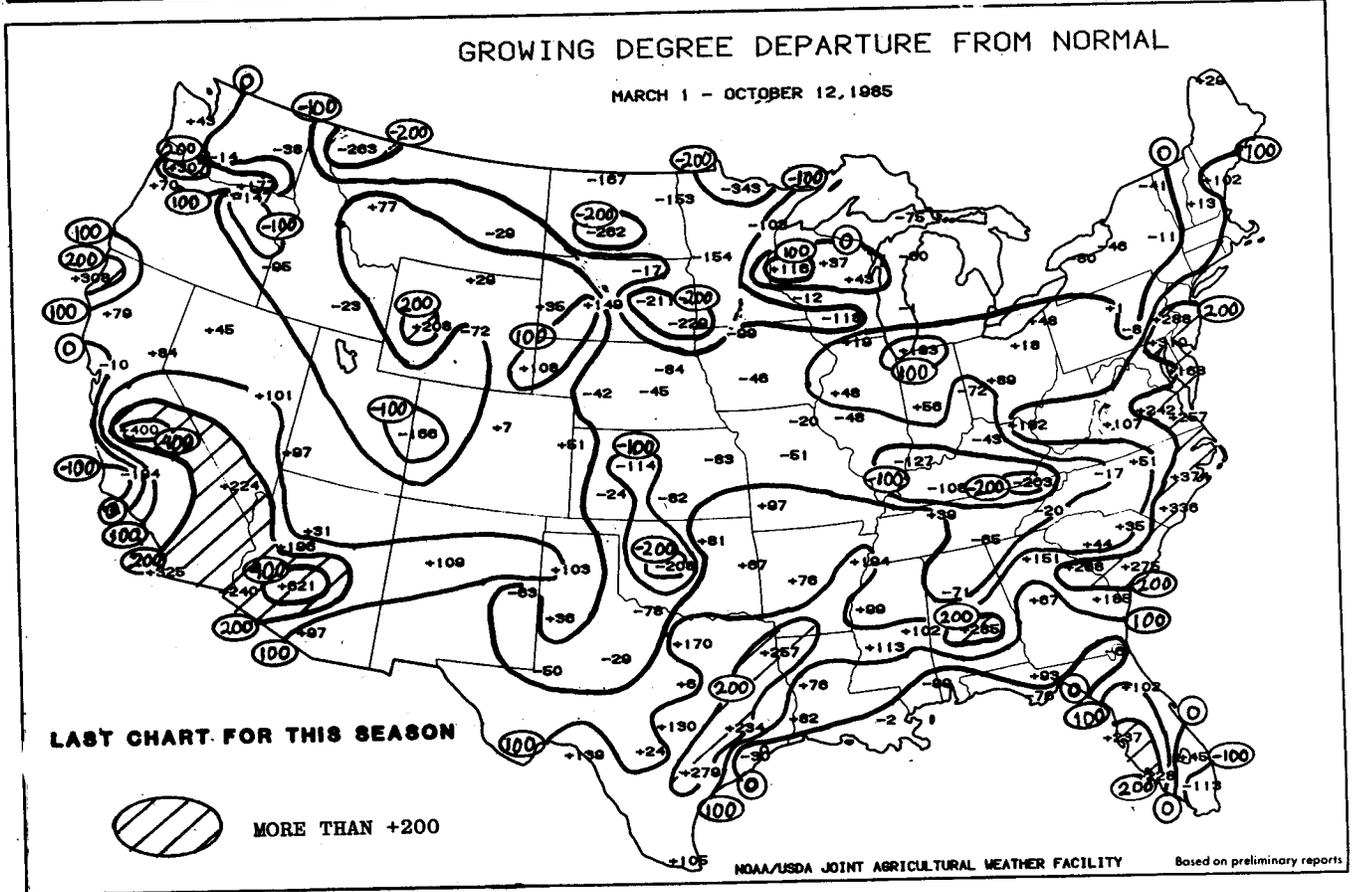
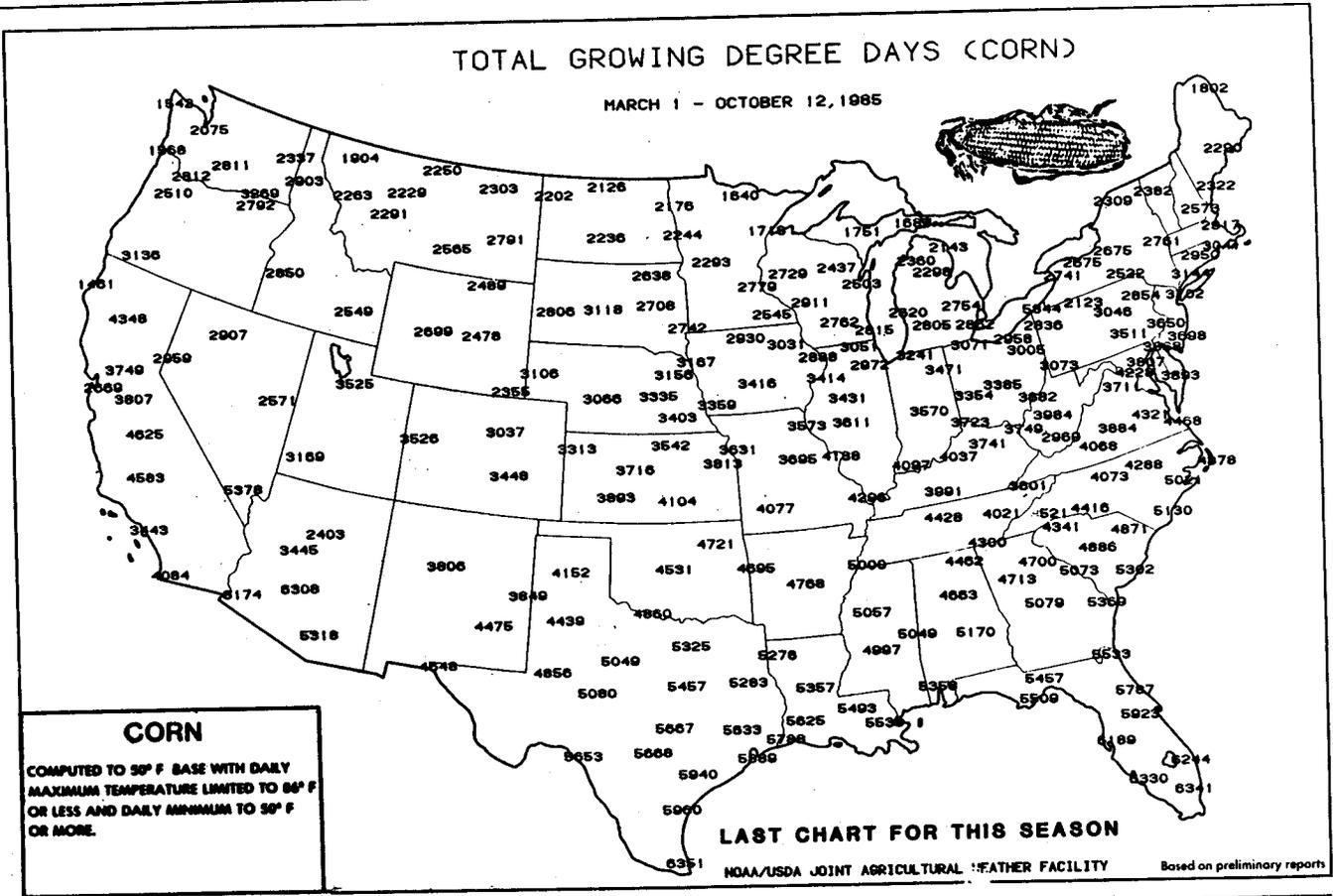






Point values may differ on these computerized maps from the reported values in the tables.





Weather Data for the Week Ending October 12, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	79	51	86	38	65	-1	0	-6	0	4.3	78	41.3	93	99	45	0	0	0	0
MOBILE	81	56	86	44	68	-3	T	-7	T	10.5	133	51.0	94	86	41	0	0	0	0
AK ANCHORAGE	47	35	50	31	43	67	-1	0	-6	0	83	37.6	94	95	40	0	0	0	0
BARROW	25	17	37	12	21	3	1.0	.5	.5	4.1	125	13.9	115	96	60	0	2	5	0
FAIRBANKS	43	32	51	26	37	7	.2	.1	.1	.8	94	3.1	78	97	87	0	7	6	0
JUNEAU	47	39	51	30	43	-1	.4	-1.4	.2	7.8	82	28.7	76	96	73	0	1	4	0
KODIAK	50	39	57	29	45	2	1.7	-7	1.0	10.8	93	57.0	103	92	58	0	2	4	1
NOME	40	33	45	24	37	6	1.6	1.3	1.2	8.2	279	18.5	148	94	75	0	4	6	1
AZ PHOENIX	83	64	94	56	74	-3	.5	.4	.5	2.1	238	5.1	94	66	28	1	0	0	0
PRESCOTT	66	45	80	40	56	-2	1.2	.9	.5	1.8	91	11.4	75	92	47	0	0	4	0
TUCSON	83	58	97	50	70	-3	1.3	1.0	.6	2.4	140	11.0	121	71	26	1	0	3	2
YUMA	83	65	97	58	74	-6	.3	.3	.3	1.6	419	1.9	100	67	30	1	0	1	0
AR FORT SMITH	80	54	84	36	67	2	.4	-3	.2	4.0	89	34.4	109	93	47	0	0	3	0
LITTLE ROCK	80	58	87	44	69	3	.1	-5	.1	8.5	174	35.2	96	86	55	0	0	1	0
CA BAKERSFIELD	76	54	88	48	65	2	.1	-1	T	.2	109	2.2	52	63	25	0	0	0	0
EUREKA	60	46	65	39	53	-2	.1	-3	.1	1.2	73	13.3	55	92	67	0	0	1	0
FRESNO	77	53	85	44	65	-3	.2	.1	.1	.6	218	4.0	54	73	32	0	0	2	0
LOS ANGELES	73	61	80	57	67	0	T	0	T	.4	233	3.8	44	73	43	0	0	1	0
RED BLUFF	74	51	79	46	62	-6	T	-2	T	1.1	157	6.6	47	54	21	0	0	0	0
SACRAMENTO	75	51	79	42	63	-3	0	-1	0	.5	102	4.9	43	77	26	0	0	0	0
SAN DIEGO	73	62	79	57	68	-1	.1	.1	.1	.3	128	2.7	41	86	55	0	0	2	0
SAN FRANCISCO	69	51	74	47	60	-2	.1	-1	T	.2	39	7.1	55	84	44	0	0	0	0
CO DENVER	61	36	79	27	49	-6	.1	-1	.1	2.5	149	13.9	104	79	35	0	3	1	0
GRAND JUNCTION	61	44	72	40	52	-6	2.0	1.8	1.0	3.6	357	10.0	161	87	55	0	0	4	2
PUEBLO	67	39	82	30	53	-5	T	-2	T	.8	69	11.7	122	85	34	0	1	2	0
CT BRIDGEPORT	66	49	77	40	58	-1	T	-7	T	2.4	54	28.4	89	79	40	0	0	0	0
HARTFORD	66	40	75	32	53	-2	T	-8	T	5.3	100	28.7	84	81	36	0	1	1	0
DC WASHINGTON	70	52	81	47	61	-1	0	-7	0	8.1	183	28.3	90	89	51	0	0	0	0
FL APALACHICOLA	83	61	89	52	72	0	0	-9	0	5.5	54	46.8	100	89	51	0	0	0	0
DAYTONA BEACH	82	68	89	58	75	0	.6	-6	.5	11.9	135	40.0	97	95	69	0	0	3	0
JACKSONVILLE	80	64	88	51	72	0	1.2	.2	.5	18.4	203	46.0	99	96	65	0	0	4	1
KEY WEST	87	78	88	74	82	1	.4	-7	.2	7.0	81	34.8	109	89	68	0	0	4	0
MIAMI	87	73	88	70	80	1	2.3	.5	1.3	11.5	102	49.1	100	91	59	0	0	3	2
ORLANDO	86	68	91	61	77	0	.2	-6	.1	7.3	104	42.1	99	97	54	2	0	2	0
TALLAHASSEE	84	57	93	41	71	0	0	-8	0	2.2	28	42.2	77	96	43	1	0	0	0
TAMPA	85	67	89	61	76	0	0	-7	0	10.3	137	39.0	94	94	52	0	0	0	0
WEST PALM BEACH	87	73	89	71	80	2	.2	-1.8	.2	10.1	79	43.7	88	94	59	0	0	2	0
GA ATLANTA	76	54	85	42	65	0	0	-6	0	6.6	158	41.6	106	84	40	0	0	0	0
AUGUSTA	80	56	86	44	68	2	T	-5	T	4.1	92	26.3	72	85	43	0	0	0	0
MACON	79	53	89	42	66	-2	0	-5	0	2.9	70	26.9	72	95	42	0	0	0	0
SAVANNAH	77	60	84	44	69	-1	.5	-1	.3	2.3	37	30.9	70	93	62	0	0	3	0
HI HILO	80	68	82	64	74	-2	2.2	.3	1.0	14.1	144	100.4	107	96	69	0	0	7	1
HONOLULU	88	75	90	73	81	1	.1	-2	.1	1.2	108	9.7	63	79	48	1	0	1	0
KAHULUI	85	71	86	65	78	0	T	-1	T	.1	16	6.5	46	84	52	0	0	0	0
LIHUE	83	75	85	71	79	1	.4	-6	.2	3.5	94	20.5	68	84	62	0	0	3	0
ID BOISE	54	30	65	18	42	-13	.3	.1	.1	2.1	250	7.6	88	87	32	0	5	3	0
LEWISTON	52	36	61	23	44	-11	.2	0	.2	2.0	175	8.4	87	77	41	0	2	3	0
POCATELLO	53	26	70	18	39	-12	.2	0	.2	1.7	166	7.9	94	84	34	0	5	2	0
IL CHICAGO	62	42	76	32	52	-5	1.3	.7	.6	3.9	89	27.5	99	93	60	0	1	5	1
MOLINE	63	43	74	30	53	-4	3.6	2.9	2.3	5.6	113	28.0	88	97	63	0	1	5	2
PEORIA	67	48	76	31	58	1	1.1	.5	.5	5.2	108	31.0	105	96	62	0	1	5	0
QUINCY	67	48	72	35	57	-1	1.5	.7	1.1	5.2	93	27.2	85	96	65	0	0	5	1
ROCKFORD	61	41	73	30	51	-5	2.7	2.0	1.7	6.4	130	28.5	92	97	65	0	1	6	1
SPRINGFIELD	72	52	80	31	62	3	.4	-3	.2	1.3	32	27.1	95	88	54	0	1	4	0
IN EVANSVILLE	78	50	86	34	64	4	T	-5	T	3.6	100	32.1	97	87	39	0	0	1	0
FORT WAYNE	67	48	78	36	57	1	.5	0	.3	3.5	101	26.3	95	89	59	0	0	2	0
INDIANAPOLIS	72	50	81	34	61	3	.2	-4	.1	3.0	82	33.7	107	94	52	0	0	3	0
SOUTH BEND	66	50	81	38	58	2	.6	-2	.3	3.1	70	27.8	91	91	55	0	0	4	0
IA DES MOINES	58	41	68	35	50	-8	2.5	2.0	1.4	8.0	198	24.3	90	92	57	0	0	4	2
SIOUX CITY	58	39	68	31	48	-8	.4	0	.3	5.0	153	21.1	93	93	55	0	1	4	0
WATERLOO	58	38	66	30	48	-6	.9	.3	.7	6.5	144	25.2	88	89	53	0	1	2	1
KS CONCORDIA	62	44	76	36	53	-7	2.4	1.9	1.6	5.1	133	24.5	100	89	65	0	0	4	1
DODGE CITY	64	42	86	35	53	-8	2.5	2.2	1.7	6.3	258	21.4	114	90	58	0	0	4	1
GOODLAND	61	38	85	31	50	-6	.8	.5	.7	2.5	135	20.7	140	87	51	0	1	3	1
TOPEKA	64	45	76	39	54	-6	4.7	4.0	3.3	13.1	281	41.6	145	92	61	0	0	4	2
WICHITA	65	47	77	40	56	-6	5.4	4.7	3.1	11.3	246	31.1	125	90	66	0	0	3	2
KY BOWLING GREEN	76	49	83	36	62	2	0	-6	0	4.7	111	31.9	82	97	42	0	0	0	0
LEXINGTON	75	52	83	39	64	4	0	-5	0	2.3	55	27.8	75	87	46	0	0	0	0
LOUISVILLE	76	53	84	40	65	4	0	-6	0	1.5	34	28.1	80	89	46	0	0	0	0
LA ALEXANDRIA	82	59	88	42	70	0	T	-8	T	4.5	112	40.7	96	87	46	0	0	0	0
BATON ROUGE	83	59	88	45	71	0	1.7	1.1	1.7	8.0	145	46.8	103	95	47	0	0	1	1
LAKE CHARLES	83	61	87	46	72	0	.1	-8	.1	2.2	32	33.4	79	89	54	0	0	2	0
NEW ORLEANS	81	59	87	48	70	-1	T	-6	T	5.8	81	48.0	98	95	50	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending October 12, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	84	57	90	39	70	1	0	0	4.4	101	33.8	98	95	42	1	0	0	0	0	
ME CARIBOU	53	38	60	30	45	0	0	0	3.0	64	22.6	80	90	53	0	2	2	0	0	
PORTLAND	63	43	76	36	53	2	0	0	5.7	123	23.9	75	79	42	0	0	0	0	0	
MD BALTIMORE	69	47	80	40	58	2	0	0	7.1	152	29.6	89	87	49	0	0	0	0	0	
SALISBURY	71	47	78	41	59	-1	0	0	6.7	124	30.6	85	96	48	0	0	0	0	0	
MA BOSTON	64	48	73	39	56	-1	0	0	3.8	82	28.1	85	80	45	0	0	0	0	0	
CHATHAM	65	51	69	46	58	2	0	0	0	3.3	35.5	101	--	--	0	0	0	0	0	
MI ALPENA	56	35	65	27	46	-4	2.2	1.7	5.6	148	27.6	117	97	64	0	3	5	1	1	
DETROIT	64	45	70	36	54	-1	.8	.3	3.5	114	30.1	121	85	51	0	0	0	3	1	
FLINT	63	44	68	36	54	0	.8	.3	9.6	303	33.8	143	96	61	0	0	0	4	1	
GRAND RAPIDS	61	45	74	38	53	-1	1.1	.4	6.2	144	30.8	114	96	66	0	0	0	4	1	
HOUGHTON LAKE	55	40	63	25	48	-2	.8	.3	7.2	193	27.4	122	96	61	0	0	0	4	0	
LANSING	63	44	72	34	54	0	.5	0	4.3	126	27.3	115	95	64	0	0	0	4	0	
MARQUETTE	51	32	63	23	41	-6	.9	.1	11.2	212	41.9	140	96	60	0	0	0	4	3	
MUSKOGON	60	43	69	35	51	-2	2.7	2.1	7.0	174	31.3	129	96	60	0	0	0	6	1	
SAULT STE. MARIE	53	37	58	29	45	-3	1.1	.5	7.6	149	33.6	129	97	64	0	0	0	4	1	
MN ALEXANDRIA	50	32	58	24	41	-9	.9	.8	5.1	166	22.3	103	95	54	0	0	0	6	2	
DULUTH	49	30	57	26	40	-8	1.2	.7	7.4	175	28.4	111	91	54	0	0	0	6	1	
INT'L FALLS	45	30	62	22	37	-9	1.4	.9	4.7	117	28.0	132	95	61	0	0	0	4	1	
MINNEAPOLIS	54	35	60	29	44	-9	1.2	.8	7.7	235	28.5	123	89	55	0	0	0	3	0	
ROCHESTER	53	33	59	27	43	-9	.3	-.2	7.4	185	23.5	94	95	61	0	0	0	5	0	
MS GREENWOOD	81	54	87	38	67	1	T	T	5.3	121	27.7	67	91	39	0	0	0	1	0	
JACKSON	81	50	88	38	66	-2	T	T	4.2	91	36.3	87	99	43	0	0	0	0	0	
MERIDIAN	80	50	86	39	65	-2	0	0	6.1	132	40.3	95	100	47	0	0	0	0	0	
MO CAPE GIRARDEAU	77	55	85	34	66	1	1	.2	1.7	37	36.2	102	90	47	0	0	0	1	0	
COLUMBIA	71	51	78	35	61	1	.2	-.6	2.4	47	39.5	131	95	61	0	0	0	2	0	
KANSAS CITY	62	46	72	39	54	-7	6.3	5.5	15.8	285	46.7	153	91	65	0	0	0	5	4	
SAINT LOUIS	76	56	81	38	66	5	.3	-.2	.8	22	35.5	128	84	50	0	0	0	2	0	
SPRINGFIELD	73	55	79	35	64	3	.5	-.3	.2	39	36.7	114	91	58	0	0	0	3	0	
MT BILLINGS	48	26	69	17	37	-15	.8	-.6	2.8	161	11.2	88	85	47	0	0	0	5	3	
GLASGOW	42	24	53	10	33	-17	.5	.3	1.3	117	11.5	108	95	63	0	0	0	5	0	
GREAT FALLS	42	23	58	6	33	-18	1.0	.8	4.3	312	15.4	117	89	59	0	0	0	6	0	
HAVRE	43	23	61	1	33	-17	.6	.5	3.7	322	9.9	100	94	62	0	0	0	5	0	
HELENA	42	23	55	6	33	-16	.4	.3	2.8	256	8.0	81	85	50	0	0	0	6	0	
KALISPELL	44	26	51	13	35	-10	.3	.1	4.5	307	11.9	96	89	44	0	0	0	6	1	
MILES CITY	49	29	66	19	39	-13	.5	.3	2.0	138	11.1	91	91	55	0	0	0	5	0	
MISSOULA	42	25	56	12	34	-13	.6	.3	4.3	311	11.5	107	94	55	0	0	0	3	0	
NE GRAND ISLAND	59	40	79	33	50	-7	.3	0	6.1	198	26.2	123	91	55	0	0	0	3	0	
LINCOLN	62	42	75	36	52	-6	.5	.2	4.8	129	28.9	118	91	57	0	0	0	3	0	
NORFOLK	58	38	72	29	48	-7	.5	.2	5.2	192	24.1	111	92	54	0	0	0	5	0	
NORTH PLATTE	58	35	75	30	46	-7	.5	.3	3.7	175	16.8	93	82	47	0	0	0	2	0	
OMAHA	60	42	71	34	51	-6	.7	.2	3.6	82	19.8	74	86	61	0	0	0	4	0	
SCOTTSBLUFF	56	31	73	26	44	-10	.9	.7	3.6	255	9.5	73	92	46	0	0	0	4	1	
VALENTINE	63	37	67	28	50	-4	.3	.1	3.1	177	13.6	86	75	39	0	0	0	2	0	
NV ELY	54	31	75	22	42	-7	1.1	.9	2.9	306	7.4	101	90	50	0	0	0	4	1	
LAS VEGAS	77	55	92	50	66	-5	.1	.1	.2	39	.9	27	65	30	1	0	0	1	0	
RENO	57	34	67	24	45	-7	.5	.4	1.1	262	3.2	58	92	38	0	0	0	4	0	
WINNEMUCCA	55	28	66	14	41	-10	.2	0	.7	124	3.6	61	83	28	0	0	0	2	0	
NH CONCORD	64	35	77	26	50	-1	0	0	6.3	148	23.7	86	94	42	0	0	0	5	0	
NJ ATLANTIC CITY	69	42	78	36	55	-3	0	0	3.1	78	25.1	77	96	47	0	0	0	0	0	
NM ALBUQUERQUE	72	49	81	40	61	0	1.4	1.2	1.0	238	9.6	143	87	31	0	0	0	4	1	
CLOVIS	74	47	85	41	61	-1	2.7	2.2	7.2	269	27.1	181	91	45	0	0	0	3	2	
ROSWELL	78	51	89	42	64	0	.4	.2	2.2	101	11.7	136	87	41	0	0	0	3	0	
NY ALBANY	65	40	78	29	52	-1	T	T	4.0	91	21.8	78	95	41	0	0	0	1	0	
BINGHAMTON	59	40	69	30	50	-2	.3	-.4	5.7	126	25.2	87	90	44	0	0	0	2	0	
BUFFALO	62	44	69	36	53	-1	.6	0	2.4	54	28.8	100	86	47	0	0	0	2	0	
NEW YORK	68	52	78	45	60	0	0	-.7	5.3	114	29.2	88	81	43	0	0	0	1	0	
ROCHESTER	64	41	72	31	53	-2	.2	-.1	3.0	82	19.7	80	92	47	0	0	0	1	0	
SYRACUSE	63	43	72	32	53	0	.5	-.2	5.0	111	23.1	76	90	47	0	0	0	1	0	
NC ASHEVILLE	72	43	79	32	58	-1	0	-.8	0	2.2	41	28.0	72	97	45	0	0	0	0	0
CHARLOTTE	75	51	85	42	63	0	0	-.6	3.3	69	37.2	105	90	45	0	0	0	0	0	
GREENSBORO	73	46	83	37	59	-2	0	-.8	.9	17	26.4	76	92	46	0	0	0	0	0	
HATTERAS	76	67	81	63	71	4	.8	-.3	9.5	123	40.7	94	87	61	0	0	0	2	1	
NEW BERN	76	59	81	52	68	2	1.0	.2	11.9	163	41.7	94	93	55	0	0	0	2	1	
RALEIGH	74	50	84	39	62	0	0	-.6	0	1.2	28	29.0	85	88	43	0	0	0	0	
WILMINGTON	79	59	85	47	69	2	.4	-.3	3.6	51	34.3	76	89	57	0	0	0	2	0	
ND BISMARCK	47	30	57	21	38	-11	.7	.5	2.2	124	16.2	117	95	56	0	0	0	5	3	
FARGO	49	29	58	23	39	-11	.8	.5	2.4	96	17.3	99	95	63	0	0	0	6	4	
GRAND FORKS	45	29	57	19	37	-12	1.5	1.2	2.5	96	15.3	94	97	69	0	0	0	6	3	
WILLISTON	40	22	51	4	31	-18	1.5	1.3	1.1	2.6	11.1	90	91	49	0	0	0	2	0	
OH AKRON-CANTON	67	44	76	34	56	0	0	-.2	1.3	33	25.7	87	91	44	0	0	0	0	0	
CINCINNATI	74	51	84	36	62	4	T	-.6	.9	23	29.4	91	92	44	0	0	0	0	0	
CLEVELAND	66	46	77	35	56	0	0	-.5	2.7	69	27.0	95	85	50	0	0	0	0	0	
COLUMBUS	71	48	81	36	60	3	T	-.4	1.3	38	24.3	79	79	42	0	0	0	1	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending October 12, 1985

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 8 Sept. 1	PCT. NORMAL SINCE 8 Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	71	50	80	37	60	3	.1	-.4	.1	1.1	36	23.2	82	77	42	0	0	2	0
TOLEDO	66	44	73	33	55	0	.4	0	.3	3.1	93	28.3	111	91	53	0	0	2	0
YOUNGSTOWN	66	43	76	36	54	0	.1	-.5	.1	2.8	68	27.4	91	88	48	0	0	2	0
OK OKLAHOMA CITY	72	53	82	44	62	-3	1.2	-.5	.9	5.8	125	36.2	136	87	62	0	0	4	1
TULSA	75	56	85	46	66	0	.9	-.1	.4	4.2	72	38.2	118	85	55	0	0	4	0
OR ASTORIA	59	40	61	31	50	-5	.6	-.6	.3	3.8	74	25.3	58	96	52	0	1	3	0
BURNS	49	21	60	8	35	-16	.2	0	.1	1.3	140	5.7	106	--	--	0	6	4	0
MEDFORD	65	36	75	25	51	-7	.1	-.2	.1	1.7	133	6.5	53	86	26	0	4	1	0
PENDLETON	55	36	63	27	45	-10	.6	-.4	.4	2.8	313	7.7	92	80	36	0	3	3	0
PORTLAND	60	43	61	30	51	-5	.4	-.2	.2	3.1	122	13.9	59	91	45	0	1	5	0
SALEM	61	37	64	25	49	-6	.2	-.2	.1	1.5	57	13.4	53	92	35	0	2	3	0
PA ALLENTOWN	66	41	75	36	54	-2	.1	-.6	.1	9.6	181	36.3	104	92	46	0	0	1	0
ERIE	64	48	73	40	56	1	.5	-.2	.4	3.5	67	28.3	93	82	47	0	0	3	0
HARRISBURG	67	48	78	40	57	0	T	-.6	T	4.5	94	26.1	84	88	45	0	0	0	0
PHILADELPHIA	70	47	79	43	58	-1	T	-.6	T	7.2	160	28.1	85	89	48	0	0	0	0
PITTSBURGH	67	44	76	34	56	1	.3	-.3	.2	1.1	29	23.7	79	88	41	0	0	3	0
SCRANTON	63	41	72	31	52	-2	.2	-.5	.1	9.3	208	33.4	120	91	46	0	1	3	0
RI PROVIDENCE	68	45	75	38	56	1	T	-.8	T	2.8	57	31.5	92	85	39	0	0	0	0
SC CHARLESTON	78	62	83	49	70	2	.4	-.4	.2	5.0	79	41.6	93	92	63	0	0	3	0
COLUMBIA	77	53	85	40	65	-1	.1	-.6	0	3.3	61	35.7	86	95	47	0	0	2	0
FLORENCE	77	57	82	44	67	1	.2	-.4	.1	1.9	37	25.5	68	91	53	0	0	3	0
GREENVILLE	76	48	85	39	62	-1	T	-.8	T	3.0	51	32.8	79	93	41	0	0	0	0
SD ABERDEEN	53	32	64	21	42	-9	.4	-.2	.4	3.4	171	16.3	101	95	50	0	4	3	0
HURON	54	34	64	25	44	-9	.6	-.3	.6	4.3	223	21.9	132	95	56	0	2	1	1
RAPID CITY	51	30	64	20	40	-13	.8	-.6	.4	2.4	173	10.5	70	92	49	0	3	5	0
SIoux FALLS	53	33	65	25	43	-10	.5	-.1	.5	4.0	114	24.6	113	96	57	0	3	4	0
TN CHATTANOOGA	77	48	83	38	62	-1	0	-.7	0	3.6	65	31.6	76	96	44	0	0	0	0
KNOXVILLE	77	43	85	34	60	-2	0	0	0	1.9	48	27.2	73	98	41	0	0	0	0
MEMPHIS	81	57	87	42	69	3	0	-.5	0	4.0	89	37.2	91	89	43	0	0	0	0
NASHVILLE	78	51	86	38	65	2	0	-.6	0	2.9	60	24.8	64	92	39	0	0	0	0
TX ABILENE	81	60	85	49	71	2	0	0	0	2.2	53	19.1	96	83	48	0	0	3	1
AMARILLO	72	46	87	37	59	-3	3.3	3.0	2.1	8.3	364	22.0	128	90	55	0	0	3	3
AUSTIN	86	65	89	48	76	3	T	-.8	T	4.0	80	20.9	83	92	47	0	0	0	0
BEAUMONT	84	62	89	46	73	0	0	-.9	0	7.4	95	50.0	119	99	55	0	0	0	0
BROWNSVILLE	88	71	91	56	80	3	T	-.9	T	6.0	87	27.4	130	94	55	3	0	0	0
CORPUS CHRISTI	87	69	90	56	78	2	0	-.9	0	8.4	107	30.0	117	96	56	1	0	0	0
DEL RIO	84	66	87	51	75	1	T	-.6	T	2.8	75	15.7	108	86	48	0	0	1	0
EL PASO	77	54	87	46	66	-1	.4	-.2	.2	2.2	124	7.0	103	91	40	0	0	3	0
FORT WORTH	83	61	88	44	72	1	.2	-.5	.2	3.4	78	23.2	94	84	50	0	0	1	0
GALVESTON	80	71	83	60	75	0	.1	-.6	.1	3.0	42	33.1	103	85	60	0	0	3	0
HOUSTON	84	64	89	47	74	2	T	-.9	T	4.7	72	33.9	95	93	55	0	0	0	0
LUBBOCK	76	52	90	44	64	0	2.9	2.5	2.5	7.7	266	22.0	139	87	51	1	0	3	1
MIDLAND	80	59	87	46	69	2	2.1	1.7	2.0	5.3	192	12.5	105	87	54	0	0	3	1
SAN ANGELO	82	62	86	44	72	3	T	-.5	T	2.9	72	15.8	102	87	51	0	0	2	0
SAN ANTONIO	85	66	88	47	76	3	T	-.7	T	4.9	97	32.3	136	90	48	0	0	1	0
VICTORIA	87	66	92	52	76	2	T	-.9	T	3.3	42	33.9	110	96	49	3	0	0	0
WACO	85	63	89	47	74	2	1	-.6	0	6.5	145	23.7	95	92	51	0	0	2	0
WICHITA FALLS	82	57	87	46	70	1	.3	-.3	.3	1.8	39	26.0	115	80	49	0	0	2	0
UT BLANDING	62	41	73	35	51	-4	1.3	.9	.5	4.6	320	13.4	156	93	51	0	0	5	1
CEDAR CITY	61	40	79	34	50	-5	1.5	1.4	1.3	2.2	186	8.7	106	89	51	0	0	3	1
SALT LAKE CITY	58	42	78	37	50	-6	1.0	.8	.7	3.0	236	12.4	103	83	48	0	0	4	1
VT BURLINGTON	59	41	64	31	50	-1	.1	-.5	.1	4.7	110	26.1	97	86	49	0	1	2	0
VA NORFOLK	73	55	83	48	64	0	0	-.8	0	7.8	135	35.8	96	88	50	0	0	0	0
RICHMOND	74	50	83	43	62	1	T	-.8	T	7.0	142	38.7	110	87	43	0	0	0	0
ROANOKE	73	46	85	35	60	1	T	-.8	T	2.8	62	34.4	109	83	42	0	0	0	0
WA COLVILLE	50	33	53	20	41	-8	.7	.5	.5	3.2	260	10.3	84	79	51	0	3	2	0
QUILLAYUTE	58	37	67	26	48	-4	1.4	-.9	.9	6.6	75	35.7	53	96	48	0	2	4	1
SEATTLE-TACOMA	58	44	61	37	51	-3	.3	-.3	.2	2.3	75	13.7	56	82	43	0	0	2	0
SPOKANE	49	30	55	21	40	-11	.3	-.1	.2	2.0	189	7.2	63	73	37	0	4	2	0
YAKIMA	56	31	62	20	44	-9	.8	.7	.5	1.6	353	3.9	72	96	37	0	3	4	0
WV BECKLEY	68	47	75	32	58	3	0	-.6	0	1.1	25	27.1	78	92	46	0	1	0	0
CHARLESTON	76	50	87	35	63	4	T	-.6	T	1.9	47	27.4	79	84	41	0	0	0	0
HUNTINGTON	74	48	84	34	61	2	0	-.6	0	1.3	31	30.9	93	96	43	0	0	0	0
PARKERSBURG	72	47	82	33	59	1	T	-.5	T	1.2	33	21.5	62	94	45	0	0	0	0
WI GREEN BAY	57	38	67	29	48	-4	.5	0	.5	5.6	136	30.9	130	93	58	0	1	4	0
LA CROSSE	58	38	68	30	48	-6	.2	-.3	.2	6.1	138	23.3	88	93	52	0	1	2	0
MADISON	59	39	68	32	49	-3	1.7	1.1	.8	7.0	176	28.8	110	95	59	0	2	5	2
MILWAUKEE	60	42	74	35	51	-3	2.7	2.2	1.3	7.1	186	25.7	100	95	65	0	0	5	3
WAUSAU	54	35	67	27	44	-6	.5	-.1	.2	7.9	161	28.2	103	93	56	0	2	4	0
WY CASPER	52	26	72	19	39	-12	.4	-.2	.2	1.6	138	9.0	93	91	47	0	5	5	0
CHEYENNE	51	30	65	20	41	-10	.7	.6	.5	2.5	182	17.9	149	90	51	0	4	4	1
LANDER	56	25	69	18	41	-10	.2	-.1	.1	1.9	137	7.4	67	83	30	0	6	2	0
SHERIDAN	50	25	63	18	37	-13	.1	-.2	.1	2.0	123	9.2	72	90	43	0	5	1	0
PR SAN JUAN	85	73	90	73	79	-3	4.8	3.5	2.5	11.8	143	33.2	82	96	66	1	0	4	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS



## National Agricultural Summary

October 7 to 13, 1985

**HIGHLIGHTS:** Precipitation hampered harvest activities throughout the Great Plains and portions of the Corn Belt. In Montana, Minnesota, and North Dakota heavy snow almost brought harvest to a standstill. Fieldwork averaged less than 3 days in these areas with most of the Northeast, the Southeast, and Delta averaging 4 to 6 days. Soil moisture was generally adequate, except in the Southeast and Delta States where soil moisture was adequate to short.

Corn harvest lagged 10 points behind normal at 25% completion. Moisture delayed harvest especially in the Great Plains and in some Corn Belt States. Soybeans were 26% harvested while 87% dropped leaves. Harvest was 15 points below the average. Cotton harvest was 5 points ahead of normal and ahead of normal in 9 of the 14 major producing States. Sorghum was 38% harvested and 86% mature. Rice harvest advanced to 88% completion. Normally 83% would be harvested. Winter wheat was mostly good. Seeding was 66% finished, 3 points ahead of 1984 but 4 points behind the average. Forty-two percent of the wheat seeded was emerged, compared with 48% normally. Apples and fall vegetables were actively harvested. Pastures were mostly good and benefitted from the moisture. Livestock was mostly good and supplemental feeding increased especially in the northern Plain States.

**SMALL GRAINS:** Winter wheat was mostly good with 66% of the crop seeded and 42% emerged. Seeding was 4 points behind normal, and emergence was 6 points behind normal. Harvest was behind normal in 12 of the 18 major producing States, ranging from 1 point behind normal in Illinois to 24 points behind normal in Oregon. Heavy snow in Montana virtually halted seeding and emergence and limited growth. Excessive moisture delayed seeding in most other areas, except in Oregon where dryness has been the main reason for the delay in seeding. Heavy rain caused reseeding in Kansas and Oklahoma to establish stands.

**CORN:** Corn was 96% mature and 25% harvested. Normally, 97% would be mature and 35% harvested. Wet weather delayed harvest throughout much of the Corn Belt and the Great Plains. Harvest was 17 points below normal in Iowa and 12 points below the average in Illinois. Nebraska producers were harvesting corn at half the normal pace. High moisture content and wet soil held corn harvest to 5% completion in South Dakota, one-sixth the normal progress. Wetness was causing lodging and sprouting in some areas.

**SOYBEANS:** In the 18 major producing States, 87% of the acreage dropped leaves, equaling last year and the average. Harvest was 26% finished compared with 37% in 1984 and 41% normally. Harvest was 5 points behind normal in the east-north-central States and 35 points behind normal in the west-north-central States. In the Delta States, harvest was 4 points ahead of normal.

**COTTON:** Cotton harvest advanced 7 points from the previous week and was 5 points ahead of the normal harvesting pace. Eighty-one percent of the acreage had bolls to open, just slightly below normal. Harvest was ahead of normal in all States, except

Georgia, Missouri, New Mexico, North Carolina, and Texas.

**SORGHUM:** Sorghum was maturing a little ahead of normal, but harvest was 12 points behind normal. Wet, cold conditions held harvest progress to only 4 points from the previous week. In Kansas, harvest was 15 points below normal, in Missouri 11 points below normal, in Nebraska 26 points below normal, and in South Dakota 31 points behind normal.

**OTHER CROPS:** Rice was 88% harvested, compared with 83% in 1984 and the 83% average. Harvest was ahead of normal in all States except Texas. Harvest was finished in Texas and Mississippi and neared completion in Louisiana and Arkansas.

Tobacco was actively stripped in the burley tobacco producing States. Stripping was 8% finished in Kentucky and 15% complete in Tennessee.

Peanuts were 97% dug and 92% combined in Georgia. Alabama peanuts were 94% dug and 88% threshed. Peanut digging was three-fourths finished in North Carolina. Texas peanut harvest was 3 points below the average.

**VEGETABLES:** Fall vegetable harvest was active in the northern producing areas but began drawing to a close in some areas. Maine potatoes were 95% harvested, compared with 95% last year and average. Snow and wetness virtually halted potato harvest in Montana and North Dakota. Florida vegetable producers harvested sweet corn, tomatoes, cucumbers, pickles, eggplant, squash, and radishes with volumes expected to increase in early November. Drier weather enabled fieldwork to resume in Texas. Some carrot and cabbage fields were replanted because of heavy rain. Arizona vegetable growers actively harvested mixed vegetables. Planting, thinning of lettuce and other vegetables continued. Celery shipments from California's central coast were moderate but increased slightly. Carrot volume from the San Joaquin Valley was adequate but fairly light from the Salinas Valley. Lettuce was heavy from the Salinas-Watsonville and began declining in the Santa Maria area.

**FRUIT AND NUTS:** Apple picking continued but was slowed in some areas by wetness and cold temperatures. Florida citrus groves were in good condition. Rain from tropical storm Isabel decreased the need for irrigation. Early orange, grapefruit, and Robinson tangerine harvest increased. California Valencia orange harvest slowed while Navel oranges sized well. Juice and wine grape harvest continued. Eighty-five percent of the raisin crop is in storage bins. Kiwifruit harvest began, but fruit size was small with good quality. Lemons and grapefruit were harvested in Arizona. Other citrus varieties sized and developed normally.

**PASTURES AND LIVESTOCK:** Pastures were generally good and benefitted from the moisture in most areas. Livestock was mostly good. Supplemental feeding increased in the northern Plain States. Feeding decreased in Texas because of increased pasture growth.

**CROP PROGRESS**

FOR WEEK ENDING OCT 13, 1985

SOYBEANS % HARVESTED				SOYBEANS % DROPPING LEAVES			
	1985	1984	AVG		1985	1984	AVG.
ALA	16	20	20	ALA	64	75	67
ARK	17	6	10	ARK	57	44	55
GA	8	11	12	GA	80	85	76
ILL	60	55	71	ILL	97	99	99
IND	50	40	50	IND	100	99	99
IOWA	20	73	62	IOWA	100	100	98
KANS	10	40	35	KANS	85	97	85
KY	13	9	17	KY	72	72	74
LA	35	28	28	LA	72	73	71
MICH	15	25	27	MICH	100	100	99
MINN	8	67	47	MINN	99	99	99
MISS	21	15	19	MISS	82	84	88
MO	16	24	36	MO	83	84	85
NEBR	10	25	45	NEBR	100	100	98
N C	5	4	6	N C	36	27	32
OHIO	55	25	50	OHIO	100	100	100
S C	3	3	3	S C	44	46	49
S DAK	4	36	58	S DAK	90	96	100
TENN	12	2	8	TENN	80	80	75
19 STATES	26	37	41	19 STATES	87	87	87

THESE 19 STATES PRODUCED 94% OF THE 1984 SOYBEAN CROP.

THESE 19 STATES PRODUCED 94% OF THE 1984 SOYBEAN CROP.

RICE % HARVESTED			
	1985	1984	AVG.
ARK	97	68	81
CALIF	55	85	52
LA	97	98	97
MISS	100	89	84
TEX	100	100	100
5 STATES	88	83	83

THESE 5 STATES PRODUCED 97% OF THE 1984 RICE CROP.

CORN % MATURE				CORN % HARVESTED			
	1985	1984	AVG.		1985	1984	AVG.
COLO	94	94	89	COLO	12	16	18
GA	100	100	100	GA	96	97	96
ILL	100	100	100	ILL	33	32	45
IND	100	97	97	IND	25	15	25
IOWA	100	100	98	IOWA	20	28	37
KANS	99	99	97	KANS	50	60	55
KY	99	95	98	KY	57	36	52
MICH	95	100	96	MICH	10	12	11
MINN	88	98	97	MINN	5	13	19
MO	100	99	95	MO	46	55	62
NEBR	100	100	95	NEBR	15	20	30
N C	100	100	100	N C	82	77	83
OHIO	100	95	95	OHIO	25	10	20
PA	78	62	79	PA	16	8	16
S DAK	77	90	100	S DAK	5	14	30
TEX	100	NA	NA	TEX	92	90	90
WIS	90	100	98	WIS	9	17	10
17 STATES	96	NA	NA	17 STATES	25	27	35

EXCL. STATES WITH NA 96 98 97  
THESE 17 STATES PRODUCED 93% OF THE 1984 CORN CROP.

NA - NOT AVAILABLE

COTTON % BOLLS OPENING				COTTON % HARVESTED			
	1985	1984	AVG.		1985	1984	AVG.
ALA	100	85	86	ALA	50	35	37
ARIZ	100	100	97	ARIZ	10	7	10
ARK	98	92	97	ARK	64	18	43
CALIF	100	100	96	CALIF	10	15	10
GA	92	85	91	GA	33	23	42
LA	99	96	98	LA	75	31	43
MISS	100	100	100	MISS	62	24	45
MO	89	100	100	MO	50	30	51
N MEX	85	100	93	N MEX	5	0	10
N C	100	99	99	N C	27	20	38
OKLA	85	75	75	OKLA	15	5	5
S C	97	93	99	S C	61	28	45
TENN	100	100	100	TENN	45	20	45
TEX	63	58	68	TEX	21	19	22
14 STATES	81	77	82	14 STATES	31	19	26

THESE 14 STATES PRODUCED 100% OF THE 1984 COTTON CROP.

THESE 14 STATES PRODUCED 100% OF THE 1984 COTTON CROP.

SORGHUM % MATURE			
	1985	1984	AVG.
ARK	97	NA	NA
KANS	75	85	75
MO	88	93	87
NEBR	100	100	85
OKLA	95	95	85
S DAK	66	87	91
TEX	92	88	90
7 STATES	86	NA	NA

EXCL. STATES WITH NA 86 90 84  
THESE 7 STATES PRODUCED 83% OF THE 1984 SORGHUM CROP.

NA - NOT AVAILABLE

SORGHUM % HARVESTED			
	1985	1984	AVG.
ARK	93	80	90
KANS	15	30	30
MO	43	55	54
NEBR	9	25	35
OKLA	30	20	25
S DAK	8	25	39
TEX	71	72	76
7 STATES	38	47	50

THESE 7 STATES PRODUCED 83% OF THE 1984 SORGHUM CROP.

WINTER WHEAT % PLANTED				WINTER WHEAT % EMERGED			
	1985	1984	AVG.		1985	1984	AVG.
ARK	17	13	16	ARK	5	NA	NA
CALIF	10	10	8	CALIF	0	1	1
COLO	97	94	95	COLO	85	82	82
GA	9	7	13	GA	3	NA	NA
IDAHO	84	81	78	IDAHO	49	55	47
ILL	50	38	51	ILL	15	19	21
IND	50	40	55	IND	25	25	25
KANS	70	65	80	KANS	40	35	50
MICH	65	80	73	MICH	25	NA	NA
MO	28	37	42	MO	12	19	25
MONT	70	80	85	MONT	45	35	55
NEBR	94	100	100	NEBR	75	85	90
OHIO	65	40	65	OHIO	20	20	20
OKLA	70	40	65	OKLA	35	15	30
OREG	40	39	64	OREG	14	16	34
S DAK	96	100	100	S DAK	80	85	89
TEX	52	68	60	TEX	32	32	34
WASH	92	86	77	WASH	59	64	68
18 STATES	66	63	70	18 STATES	40	NA	NA

EXCL. STATES WITH NA 42 39 48  
THESE 18 STATES PRODUCED 88% OF THE 1984 WINTER WHEAT CROP.

THESE 18 STATES PRODUCED 88% OF THE 1984 WINTER WHEAT CROP.

NA - NOT AVAILABLE

## State Summaries of Weather and Agriculture

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

**ALABAMA:** No rainfall entire State. Temperatures averaged 1 to 50 above normal.

Fieldwork 6.1 days. Soil moisture 27% short, 73% adequate. Corn harvested 93%, 86% 1984, 89% avg. Soybeans dropping leaves 64%, 75% 1984, 67% avg.; mature 40%, 49% 1984, 46% avg.; harvested 16%, 20% 1984, 20% avg.; 39% fair, 55% good, 6% excellent. Cotton bolls open 100%, 85% 1984, 86% avg.; harvested 50%, 35% 1984, 37% avg.; 24% fair, 55% good, 21% excellent. Sorghum harvested 86%, 75% 1984, 62% avg. Peanuts dug 94%, 96% 1984, 85% avg.; combined 88%, 92% 1984, 78% avg. Winter wheat planted 18%, 15% 1984, 24% avg.; 3% poor, 33% fair, 61% good, 3% excellent. Pastures 4% poor, 49% fair, 41% good, 6% excellent. Livestock 31% fair, 65% good, 4% excellent. Primary activities: Harvesting corn, sorghum, hay, cotton, peanuts, soybeans; planting wheat, winter grazing crops; harvesting sweetpotatoes; routine care of livestock and poultry.

**ARIZONA:** Rain general late in week, with amounts between 0.50 to 1.50 in. except locally over 2.00 in. Snow reached 7,500 ft. level with 1 to 6 in. reported White Mountains. On 11th, cold air lowered temperatures 10 to 150 compared to those of 6th. Average temperatures for week varied from 20 above normal southeast to 70 below west.

Cotton 100% good; open bolls 100%, 100% 1984, 97% avg.; harvested 10%, 7% 1984, 10% avg. Rains almost all cotton areas, slowing defoliation, harvest activities. Some fields hit very hard but damage, if any, still unknown. Damp conditions slowed harvest by keeping equipment out of fields until mid-morning. Rains slowed alfalfa harvest, damage to down hay variable. Many growers central areas between cuttings during heaviest rainfall. Alfalfa planting continued. Sorghum good condition with much of acreage turning color. Some silage cut. Corn good condition, harvest continued. Sesame harvest advanced to 40% complete. Lemon, grapefruit picking took place. Other citrus varieties sizing, developing normally. Apple packing continued. Pistachio harvest nearing completion. Mixed vegetable harvest very active Salt River Valley. Cantaloups moved from Salt River Valley, Aguila; harvest may start in western areas 15th. Honeydews shipped from Salt River Valley. Lettuce, pumpkin harvests active Willcox. Planting, thinning of lettuce, other winter vegetables.

**ARKANSAS:** Temperatures 10 below normal to 80 above normal. Unseasonably warm with light rainfall late week. Temperature extremes 310; 910. Precipitation none to 1.11 in.

Days suitable for fieldwork 7.0. Soil moisture 78% short, 22% adequate. Corn 98% bolls opening, 92% 1984, 97% avg. Cotton 64% harvested, 18% 1984, 43% avg. Cotton 13% fair, 48% good, 39% excellent. Winter wheat 17% planted, 13% 1984, 16% avg.; 5% emerged. Winter wheat 9% poor, 26% fair, 57% good, 8% excellent. Rice 91% harvested, 68% 1984, 81% avg. Sorghum 93% harvested, 80% 1984, 90% avg.; 97% mature. Soybeans 57% dropping leaves, 44% 1984, 55% avg.; 17% harvested, 6% 1984, 10% avg. Soybeans 5% poor, 25% fair, 70% good.

**CALIFORNIA:** Week began with above normal temperatures as high pressure remained over State from previous week. Cooler weather quickly returned after first few days as high moved from

area. Precipitation scattered across State with largest weekly total from Huntington Lake 2.00 in. Temperatures ranged from low of 130 Alturas to high of 1030 Thermal. Rice harvest full swing, 55% harvested, 85% 1984, 52% avg.; good yield. Moisture levels dropped due to winds. Field burning, weather permitting. Cotton 10% harvested, 15% 1984, 10% avg. Bolls opened 100%, 100% 1984, 96% avg. Defoliation continued, some showers received, little effect on cotton progress. Very good yields. Certified alfalfa seed, fields corn, sugarbeets harvested. Dry beans harvested, windrowed. Alfalfa cut, some areas final cutting. Fall ground precipitation continued, winter wheat planted 10%, 10% 1984, 8% avg. Cotton 30% fair, 60% good 10% excellent. Avocado crop down from last season with smaller sizes. Raisin crop 85% storage bins. Emperor main table grape variety harvested. Juice, wine grape harvests continued with low price for table, juice grapes. Kiwifruit harvest began with small size, good quality. Olive harvest full swing. Persimmon, pomegranate harvest continued. Stonefruit harvest complete. Valencia orange harvest slowed while Navel orange crop continued to size well. Hard-shelled almonds, pistachio nuts, walnuts harvested. Broccoli heavy supply central coast. Harvest started central coast. Cantaloup harvest increased desert. Carrots good supply San Joaquin Valley, fairly light Salinas Valley. Cauliflower supplies light to moderate central coast. Celery shipments moderate but increasing slightly central coast. Lettuce fairly heavy supply Salinas-Watsonville, moderate supply Santa Maria, decreasing seasonally. Harvest started San Joaquin Valley. Processing onion harvest underway Tulelake-Butte Valley. Fall potato harvest neared 50% completion. Processing tomato harvest declining rapidly. Movement livestock, to market, winter pastures continued. Calving continued. Supplemental feeding necessary many areas. More rains needed improve grass growth, pond water levels.

**COLORADO:** Cold, wet near midweek, again on weekend across most State. Average temperatures 2 to 50 below normal. Precipitation 0.50 to 1.00 in.

Days suitable for fieldwork 4.1. Soil moisture 17% short, 76% adequate, 7% surplus. Winter wheat 4% poor, 9% fair, 13% good, 74% excellent; 97% seeded, 94% 1984, 95% avg.; 85% emerged, 82% 1984, 82% avg. Corn 26% good, 74% excellent; corn mature 94%, 94% 1984, 89% avg.; 12% grain harvested, 16% 1984, 18% avg. Sorghum 81% mature, 86% 1984, 82% avg.; 8% grain harvested, 22% 1984, 25% avg. Dry beans 86% harvested, 87% 1984, 84% avg. Range feed, livestock good condition.

**FLORIDA:** Brief cooling through 7th, then mostly warm, dry rest of week. Tropical storm Isabel threatened east coast at midweek but weakened. Rainfall confined to east coast areas, dry elsewhere. Areas of dense morning fog weekend. Rainfall ranged from little or none western areas to 1.00 to 2.00 in., east. Temperatures near normal north, 3 to 40 above normal south.

Soil moisture short few northern, Panhandle areas, surplus in east coastal and lower southern areas, mostly adequate elsewhere. Peanut harvest declining seasonally. Soybean harvest underway. Cotton harvest active. Planting small grains active. Sugarcane good to excellent, harvest to

begin next week. Grazing continues mostly good. However, some pastures, mostly in Panhandle, northwest Peninsula declined because of moisture shortages. Low lying pastures upper east coast surplus water; some pastures lower southern Peninsula excessively wet. Cattle generally good to excellent, except fair driest areas. Citrus groves very good. Some rain from tropical storm Isabel; only limited irrigation. New foliage growth abundant. Early orange, grapefruit, Robinson tangerine harvest increasing. Weather conditions dry most vegetable areas, with very few widely scattered showers. Temperatures seasonally normal, cooler nighttime, early mornings. Daytime highs mid 80s to low 90s, nighttime lows 60s to 70s. Vegetable crop generally good. Harvest of sweet corn, tomatoes, cucumbers, pickles, eggplant, squash, radishes continued. Volume increasing early November. Other vegetable harvests expected late October to mid-November.

**GEORGIA:** Week started off cool, temperatures 3 to 50 above normal north, 4 to 70 above normal south. Week dry with below normal rainfall all stations except few local areas extreme southeast. Rainfall mostly less than 0.50 in. southeast with local amounts near 1.00 in. No significant rain remainder of State.

Days suitable for fieldwork 5.7. Soil moisture 3% very short, 45% short, 51% adequate, 1% surplus. Main activities: Harvesting cotton, soybeans, peanuts; seeding small grain, land preparation; haying. Corn 96% harvested, 97% 1984, 96% avg. Cotton 92% bolls open, 85% 1984, 91% avg.; 33% harvested, 23% 1984, 42% avg.; 1% poor, 18% fair, 73% good, 8% excellent. Grain sorghum 3% poor, 32% fair, 62% good, 3% excellent. Peanuts 97% dug, 94% 1984, 93% avg.; 92% threshed, 88% 1984, 86% avg.; 14% fair, 80% good, 6% excellent. Soybeans 80% dropping leaves, 85% 1984, 76% avg.; 8% harvested, 11% 1984, 12% avg.; 3% poor, 41% fair, 53% good, 3% excellent. Wheat 9% planted, 7% 1984, 13% avg.; 3% emerged. Rye 32% planted, 22% 1984, 34% avg. Other small grains 21% planted, 18% 1984, 26% avg. Apples 91% harvested, 95% 1984, 95% avg.; 7% poor, 38% fair, 52% good, 3% excellent. Pecans 4% harvested, 3% 1984, 4% avg.; 7% poor, 38% fair, 52% good, 3% excellent. Pastures 7% poor, 37% fair, 54% good, 2% excellent. Hay 3% poor, 37% fair, 56% good, 4% excellent. Cattle 1% poor, 23% fair, 74% good, 2% excellent. Hogs 21% fair, 76% good, 3% excellent.

**HAWAII:** Variable weather conditions continued enabling crops to make fair progress. High pressure area north of State resulted in strengthening trade winds reaching 15 to 30 mph midweek. Trade winds decreased in speed over weekend as high pressure area moved further north. Papaya output increasing seasonally. Volcanic fallout a few weeks ago suspected for causing some current quality problems with fruit. Vegetable supply generally light to moderate. Sugarcane crop making normal progress.

**IDAHO:** Week began with high pressure over State bringing fair skies, mild temperatures. By midweek, high retreated allowing series of storms to begin moving through State with bulk of precipitation falling in north, amounts generally at or above normal, other areas mixed results due to showery nature of precipitation. High pressure moved back toward State, flow aloft became more northerly. Temperatures dropped considerably resulting in below normal readings throughout State, ranging from 70 below normal Lewiston to 110 below normal Coeur D'alene.

Days suitable for fieldwork 5.0. Potatoes 65% dug, 67% 1984, 64% avg. Alfalfa hay third cutting 96% cut, 78% 1984, 84% avg. Dry beans 94% cut, 91% 1984, 88% avg. Onions 81% dug, 95% 1984, 92%

avg. Corn 24% harvested for grain, 13% 1984, 19% avg.; 97% harvested for silage, 88% 1984, 86% avg. Sugarbeets 30% harvested, 23% 1984, 18% avg. Alfalfa seed 100% combined, 94% 1984, 90% avg. Red clover seed 92% combined, 90% 1984, 82% avg. Apples 66% picked, 30% 1984. Winter wheat 84% planted, 81% 1984, 78% avg.; 49% emerged, 55% 1984, 47% avg. Livestock good. Movement from summer range: Cattle 61%, sheep 72%.

**INDIANA:** Temperatures averaged 3 to 80 above seasonal levels. Precipitation widespread averaging from 0.50 to 1.50 in.

Fieldwork averaged 5.3 days. Topsoil moisture 30% short, 66% adequate, 4% surplus. Subsoil moisture 24% short, 75% adequate, 1% surplus. Corn 25% harvested, 15% 1984, 25% avg. Corn moisture 23%, 27% 1984. Corn 100% mature, 97% 1984, 97% avg. Soybeans 50% combined, 40% 1984, 50% avg. Soybean moisture 13%, 14% 1984. Soybeans 95% mature, 90% 1984, 90% avg.; 100% dropping leaves, 99% 1984, 99% avg. Wheat 50% seeded, 40% 1984, 55% avg.; 25% emerged, 25% 1984, 25% avg. Wheatland 65% plowed, 65% 1984, 70% avg. Tobacco 100% harvested, 99% 1984, 99% avg. Silos 90% filled, 90% 1984, 93% avg.

**ILLINOIS:** Temperatures northern quarter 1 to 30 below normal; southern three quarters 4 to 100 above normal. Precipitation general with heaviest amounts north. Total amounts varied from 0.50 to 3.20 in. north; 0.20 to 0.40 in. south.

Days suitable for fieldwork 4.3. Soil moisture 28% short, 49% adequate, 23% surplus. Corn mature 100%, 100% 1984, 100% avg.; harvested for grain 33%, 32% 1984, 45% avg. Soybeans shedding leaves 97%, 99% 1984, 99% avg.; harvested 60%, 55% 1984, 71% avg. Winter wheat planted 50%, 38% 1984, 51% avg.; emerged 15%, 19% 1984, 21% avg. Sorghum harvested for grain 36%, 29% 1984, 47% avg. Pasture 7% poor, 27% fair, 55% good, 11% excellent.

**IOWA:** Cool, wet week. Precipitation heavy over south, east, central where 4 week's precipitation average 5.00 in. plus. Flooding south central. Temperatures subnormal low 250 11th, high 750 12th.

Days suitable for fieldwork 3.1. Topsoil moisture 2% short, 39% adequate, 59% surplus. Subsoil moisture 18% short, 63% adequate, 19% surplus. Corn mature 100%, 100% 1984, 98% avg. Corn harvested 20%, 28% 1984, 37% avg. Soybeans dropping leaves 100%, 100% 1984, 98% avg. Soybeans harvested 20%, 73% 1984, 62% avg. Winter wheat sown 55%, 38% 1984, 38% avg. Fall tillage completed 5%. Fertilizer application completed 4%. Livestock good condition.

**KANSAS:** Last half week heavy rains, flooding south central to northeast. Rainfall averaged 0.33 in. northwest and west central, 3.00 to over 4.00 in. south central and northeast, 1.00 to 1.50 in. elsewhere. Few stations south central through northeast had totals over 6.00 in. Temperatures averaged 480 northwest to 630 southeast, 51 to 550 elsewhere; near normal southeast, 5 to 90 below normal elsewhere.

Days suitable for fieldwork 2.5. Topsoil moisture 49% adequate, 51% surplus. Subsurface moisture 47% adequate, 53% surplus. Wheat 70% seeded, 65% 1984, 80% avg. Wheat 40% emerged, 35% 1984, 50% avg. Some flooding, reseeding necessary to establish stands. Sorghum 75% mature, 85% 1984, 75% avg. Sorghum 15% harvested, 30% 1984, 30% avg. Some lodging noted sprouting a real concern. Corn 99% mature, 99% 1984, 97% avg. Corn 50% harvested, 60% 1984, 55% avg. Some corn lodging, need dry weather to prevent sprouting. Soybeans 85% dropping leaves, 97% 1984, 85% avg. Soybeans 10% harvested, 40% 1984, 35% avg.

**KENTUCKY:** Warm, dry. Temperatures averaged 5 to 10° above normal. Highs low to mid 80s early in week, temperatures dipped into 30s producing scattered frost. Most locations no measurable precipitation. Scattered locations that received precipitation averaged less than 0.25 in.

Days suitable for fieldwork 5.7. Soil moisture 45% short, 54% adequate, 1% surplus. Corn 57% harvested, 36% 1984, 52% avg.; 99% mature, 95% 1984, 98% avg. Soybeans 13% harvested, 9% 1984, 17% avg.; 72% shedding leaves or beyond, 72% 1984, 74% avg. Burley stripped 8% complete, 3% 1984, 5% avg. Wheat 33% seeded. Grain sorghum harvest slightly over half complete. Pastures generally good.

**LOUISIANA:** Temperatures averaged normal to 30° above normal. Temperature extremes 360; 900. Rain totals averaged none to 0.64 in.

Days suitable for fieldwork 6.3. Soil moisture 21% short, 79% adequate. Cotton 43% fair, 56% good, 1% excellent; 99% open bolls, 96% 1984, 98% avg. Cotton 75% harvested, 31% 1984, 43% avg. Rice 97% harvested, 98% 1984, 97% avg. Soybeans 5% poor, 40% fair, 54% good, 1% excellent; 92% leaves turning, 92% 1984, 91% avg. Soybeans 72% shedding, 73% 1984, 71% avg.; 35% harvested, 28% 1984, 28% avg. Sorghum 99% harvested, 99% 1984, 96% avg. Pecans fair; 2% harvested, 3% 1984, 3% avg. Sweetpotatoes 78% harvested, 80% 1984, 80% avg. Hay final cutting 94% complete, 95% 1984, 92% avg. Sugarcane good; 89% planted, 93% 1984, 91% avg. Sugarcane 3% harvested, 1% 1984, 5% avg. Wheat 6% planted, 13% 1984, 14% avg.; 1% emerged, 7% 1984, 5% avg. Pastures, livestock, fair to good; vegetables fair.

**MARYLAND & DELAWARE:** Maryland: Temperatures 1 to 30° above normal; lows mid 30s to mid 40s, highs near 80s. Precipitation averaged 0.20 in. as scattered showers.

Fieldwork 6.6 days suitable. Topsoil, subsoil moisture adequate. Corn fair to good. Corn 100% mature, 95% 1984, 100% avg. Corn for grain 65% harvested, 55% 1984, 65% avg. Corn silage 100% cut, 95% 1984, 100% avg. Soybeans good. Soybeans 100% turned, 95% 1984, 95% avg.; soybeans 70% shedding, 75% 1984, 70% avg.; soybeans 10% harvested, 15% 1984, 20% avg. Barley 70% seeded, 65% 1984, 65% avg. Wheat 55% seeded, 25% 1984, 35% avg. Rye 65% seeded, 55% 1984, 60% avg. Fall oats 55% seeded, 35% 1984, 45% avg. Alfalfa hay 95% cut four times, 85% 1984, 90% avg. Fifth cutting alfalfa hay continued. Fourth cutting other hay 100% complete. Apple harvest, 90% complete, 80% 1984, 80% avg.

Delaware: Temperatures normal north, central, 20° above normal south; lows high 30s to low 40s; highs near 800. Precipitation averaged 0.05 in.

Fieldwork 7.0 days suitable. Topsoil, subsoil moisture adequate. Corn for grain 85% harvested, 65% 1984, 75% avg. Corn silage 100% cut, 100% 1984, 100% avg. Soybeans 100% turned, 95% 1984, 95% avg.; soybeans 80% shedding, 85% 1984, 75% avg.; soybeans 5% harvested, 5% 1984, 15% avg. Barley 35% seeded, 35% 1984, 60% avg. Wheat 10% seeded, 10% 1984, 15% avg. Rye 30% seeded, 10% 1984, 30% avg.

**MICHIGAN:** Wide variance in weather across State. Average temperatures ranged from 30° below normal to 20° above normal. Precipitation moderate to heavy northern areas, light to moderate remainder.

Days suitable for fieldwork 3.0. Fieldwork slowed by rain. Warm, sunny weather needed to dry fields. Soil moisture supplies 35% adequate, 65% surplus. Corn 95% mature, 100% 1984, 96% avg.; 10% harvested, 12% 1984, 11% avg. Corn 5% poor, 20% fair, 50% good, 25% excellent. Corn silage 80% harvested, 95% 1984, 85% avg. Soybeans 100% dropping leaves, 100% 1984, 99% avg.; 15%

harvested, 25% 1984, 27% avg. Soybeans 5% poor, 20% fair, 55% good, 20% excellent. Dry beans 90% harvested, 95% 1984, 83% avg. Winter wheat 65% planted, 80% 1984, 73% avg.; 25% emerged. Winter wheat 2% poor, 15% fair, 65% good, 18% excellent. Fruit, vegetable harvest slowed by wet conditions. Cool weather helped apples color. Size, quality remain excellent. Onion, carrot, cauliflower, broccoli, cabbage harvest continued.

**MINNESOTA:** Cool, wet again; snowstorm northwest, north central. Temperatures averaged 6 to 100° below normal. Temperature extremes 170; 680. Precipitation averaged 0.07 to 0.94 in. above normal. Greatest weekly total 1.82 in. snowfall averaged 1 to 6 in., northwest north central; none to trace elsewhere.

Days suitable for fieldwork 2.1. Topsoil moisture 25% adequate, 75% surplus. Corn 88% mature, 98% 1984, 97% avg.; 5% harvested, 13% 1984, 19% avg.; 30% moisture as harvested, 26% 1984, 26% avg. Soybeans 92% mature, 99% 1984, 97% avg.; 8% harvested, 67% 1984, 47% avg. Sunflowers 93% bracts turning brown, 99% 1984, 97% avg.; 4% harvested, 30% 1984, 31% avg. Sugarbeets 57% harvested, 34% 1984, 41% avg. Potatoes 87% harvested, 90% 1984, 85% avg.

**MISSISSIPPI:** Temperatures near normal. Extremes 340; 900. Greatest 24-hour rainfall 0.27 in.

Fieldwork 6.0 days suitable, 6.4 1984, 3.8 avg. Soil moisture 32% short, 68% adequate. Conditions nearly ideal for harvest throughout most week. Soybeans 82% shedding, 84% 1984, 88% avg.; 21% harvested 15% 1984, 19% avg.; 16% fair, 81% good, 3% excellent. Cotton 62% harvested, 24% 1984, 45% avg.; 10% fair, 76% good, 14% excellent. Rice 100% harvested, 89% 1984, 84% avg. Grain sorghum 93% harvested, 84% 1984, 82% avg. Corn 93% harvested, 79% 1984, 82% avg. Sweetpotatoes 67% harvested, 66% 1984, 60% avg. Peanuts 90% harvested, 82% 1984. Hay 94% harvested, 94% 1984, 98% avg. Wheat 18% planted, 14% 1984, 18% avg. Pasture 7% very poor, 4% poor, 32% fair, 57% good.

**MISSOURI:** Cool, rainy across north. Dry across south. Rain fall ranged from 2.00 to 8.00 in. north, 0.50 and less south. Temperatures averaged 70° below normal north; 50° above normal south.

Days suitable for fieldwork 3.7. Topsoil moisture 23% short, 27% adequate, 50% surplus. Corn mature 100%, 99% 1984, 95% avg.; harvested 46%, 55% 1984, 62% avg. Soybeans dropping leaves 83%, 84% 1984, 85% avg.; mature 65%, 58% 1984, 67% avg.; harvested, 16%, 24% 1984, 36% avg. Grain sorghum mature 88%, 93% 1984, 87% avg.; harvested 43%, 55% 1984, 54% avg. Cotton bolls open 89%, 100% 1984, 100% avg.; harvested 50%, 30% 1984, 51% avg. Winter wheat seeding 28%, 37% 1984, 42% avg.; emerged 12%, 19% 1984, 25% avg. Pasture 7% poor, 32% fair, 55% good, 6% excellent. Fall tillage for spring crops 18% complete.

**MONTANA:** Intense, widespread storm early week layed down 4 to 14 in. of snow over Plains, heavier amounts mountains. Precipitation amounts ranged from 0.25 to 2.00 in. some local areas. Northeast received brunt of storm as many areas received over 1.00 in. Some light amounts rain noted late week mostly west, southwest, south central. Very cold temperatures observed wake of snowstorm with many record low temperatures recorded. Subzero temperatures noted southwest, north central, central areas. Milder temperatures common last of week. Temperatures averaged from 10 to 180° below normal.

Days suitable for fieldwork 1.0. Topsoil moisture 1% short, 72% adequate, 27% surplus. Subsoil moisture 18% short, 78% adequate, 4% surplus. Sugarbeets harvested 25%, 60% 1984, 35% avg. Dry beans harvested 75%, 90% 1984, 85% avg.

Corn silage harvested 90%, 95% 1984, 90% avg. Potatoes harvested 50%, 85% 1984, 55% avg. Alfalfa hay second cutting 90%, 100% 1984, 100% avg. Winter wheat planted 70%, 80% 1984, 85% avg. Winter wheat emerged 45%, 35% 1984, 55% avg. Livestock moved from summer ranges 80%. Livestock feed supplies: Hay and roughage 77% short, 23% adequate; grain and concentrates 48% short, 51% adequate, 1% surplus. Livestock receiving supplemental feeding: Cattle and calves 20%, sheep and lambs 25%.

**NEBRASKA:** Wet, cool. Temperatures 50 below normal east to 120 below normal Panhandle. Precipitation widespread from 0.50 to 2.00 in. Days suitable for fieldwork averaged 4.1. Topsoil moisture 2% short, 40% adequate, 58% surplus. Subsoil moisture 4% short, 73% adequate, 23% surplus. Corn 3% fair, 73% good, 24% excellent. Irrigated corn 3% fair, 78% good, 19% excellent. Non-irrigated corn 4% fair, 62% good, 34% excellent. Corn mature 100%, 100% 1984, 95% avg. Corn harvested 15%, 20% 1984, 30% avg. Lodging concern on wet soils due to stalk rot. Some corn borer damage--not extensive. Soybeans 30% fair, 62% good, 8% excellent. Soybeans dropping leaves 100%, 100% 1984, 98% avg. Soybeans harvested 10%, 25% 1984, 45% avg. Sorghum 23% fair, 58% good, 19% excellent. Sorghum mature 100%, 100% 1984, 85% avg. Sorghum harvested 9%, 25% 1984, 35% avg. Winter wheat 15% poor, 27% fair, 55% good, 3% excellent. Wheat sown 94%, 100% 1984, 100% avg. Wheat emerged 75%, 85% 1984, 90% avg. Need dry, sunny weather help emergence of wheat, improve field drying conditions of all row crops. Dry bean harvest about 75% complete. Quality reduced from wet conditions on beans lying in field. Sugarbeet harvest now underway. Harvest prospects look good. Pasture, range feed supplies mostly adequate. Grazing for cattle, calves good. Movement of calves to market shown some increase. Cattle being moved to stalks as harvest progresses.

**NEVADA:** Deep, low pressure system brought cooler air mass, precipitation. Temperatures moderated toward end of period but average temperatures for entire period 20 below normal north, central to slightly above extreme south. Extremes 120; 950

Rain slowed potato harvest early period. Hay harvest nearing end. Good progress planting garlic, winter grains near end of week when weather cleared. Snow at higher elevations brought more cattle down to winter grazing areas.

**NEW ENGLAND:** Temperatures averaged 1 to 30 above normal across northern Maine, New Hampshire, Massachusetts; 2 to 50 below normal coastal areas; near normal elsewhere. Frost moderate to heavy depending on elevation. Most precipitation late week ranged from trace to 0.75 in.; average 0.50 in.

Days suitable for fieldwork 5.0. Soil moisture adequate to surplus. Grazing availability adequate. Maine potatoes 95% harvested, 95% 1984, 95% avg. Field corn 80% chopped, 80% 1984, 80% avg. Second crop hay 100% cut; third crop hay 80% cut. Maine oat harvest complete. Apples 75% picked. Cranberries 30% picked; size average or better, quality good.

**NEW JERSEY:** Temperatures averaged near normal. Extremes 290; 810. Weekly rainfall averaged 0.18 in. north, 0.03 in. central, none south. Heaviest 24-hour total 0.15 in. on 12th, 13th. Estimated soil moisture, in percent of field capacity averaged 90% north, 86% central, 73% south. Four inch soil temperatures averaged 530 north, 570 central, 580 south.

Fieldwork active. Topsoil moisture adequate. Fall vegetable harvest progressing on schedule. Irish potato digging well advanced. Sweetpotato harvest active. Apple, cranberry picking continued active. Corn silage making complete some areas. Harvest soybeans and corn for grain increasing as fields mature. Pasture growth good. Grains, cover crops growing nicely; planting continued.

**NEW MEXICO:** Average weekly temperatures 2 to 80 below normal northeast; near normal remainder State. Temperatures 170 northern mountains to 890 southeastern plains. Precipitation statewide 0.14 in. northwestern plateau and western mountains to 6.33 in. southeastern plains. Days suitable for fieldwork 4.5. Soil moisture 77% adequate, 23% surplus. Freeze damage 55% none, 9% light, 27% moderate, 9% severe. Alfalfa 58% fair, 42% good. Cotton 62% fair, 38% good; 85% open bolls, 100% 1984, 93% avg.; 5% harvested, none 1984, 10% avg. Corn 38% fair, 49% good, 13% excellent. Barley 75% good, 25% excellent. Irrigated wheat 29% fair, 57% good, 14% excellent. Dryland wheat 17% fair, 83% good. Irrigated grain sorghum 38% fair, 62% good. Dryland grain sorghum 20% poor, 60% fair, 20% good. Pecans 100% good. Apples 100% good. Chile 33% fair, 67% good. Onions 50% fair, 50% good. Cattle 17% fair, 75% good, 8% excellent. Sheep 89% good, 11% excellent. Range 50% fair, 42% good, 8% excellent.

**NEW YORK:** Temperatures averaged near normal. Precipitation varied widely, sparse in south east; northern border 0.75 to 1.00 in.; other areas 0.25 to 0.75 in.

Days suitable for fieldwork 5.7. Soil moisture adequate. Corn drying, silage being harvested. Alfalfa hay third cutting 82% complete, 81% 1984, 80% avg. Corn silage harvested 56% complete, 44% 1984, 64% avg. Corn for grain harvest 10% complete, 9% 1984, 12% avg. Apple harvest declining, vegetable harvest virtually complete.

**NORTH CAROLINA:** Temperatures 50 below normal over mountains, 1 to 30 below normal Piedmont and near normal coastal locations. Rainfall ranged none to 2.12 in. across State.

Days suitable for fieldwork 5.7. Soil moisture 5% very short, 27% short, 58% adequate, 10% surplus. Corn harvested for grain 82%, 77% 1984, 83% avg. Cotton 23% fair, 73% good, 4% excellent; harvested 27%, 20% 1984, 38% avg. Peanuts 36% fair, 64% good. Peanuts dug 74%, 78% 1984, 57% avg.; threshed 56%, 53% 1984, 42% avg. Soybeans 2% poor, 44% fair, 51% good, 3% excellent; leaves dropped 36%, 27% 1984, 32% avg. Grain sorghum 2% poor, 25% fair, 70% good, 3% excellent; harvested 62%, 57% 1984, 60% avg. Sweetpotatoes 23% fair, 69% good, 8% excellent; harvested 63%, 43% 1984, 56% avg. Apples 13% poor, 47% fair, 40% good; harvested 82%, 78% 1984, 78% avg. Pastures 7% poor, 44% fair, 49% good. Major farm activities: Finishing tobacco harvest, cutting silage; harvesting hay, apples, corn, sorghum, cabbage, tomatoes, soybeans, and cotton; cotton defoliation; digging sweetpotatoes; digging and threshing peanuts; mowing; plowing and discing tobacco and corn stalks, land preparation for cover crops; fall seeding of small grains and general farm maintenance.

**NORTH DAKOTA:** Major snowstorm 7th, 8th. Greatest October snow since 1932 with 6 to 18 in. covering most of State except southeast. Total precipitation averaged from 0.60 in. southwest to 1.90 in. northeast. Temperatures averaged from 160 below normal north central to 100 below normal south central. Extremes ranged from 20 west central to 650 south central.

Moisture supplies one of wettest levels ever for this date. Topsoil moisture 8% short, 71% adequate, 21% surplus. Subsoil moisture 20% short or very short, 74% adequate, 6% surplus. Some spring, durum wheat still in fields northwest, north central seriously lodged due to heavy snowfall. Continued wet weather hampering late season crops dry down, harvest. All late season crop harvest progress running well behind normal, except sugarbeets. Spring wheat 96% combined, 100% 1984, 100% avg.; durum 88% combined, 100% 1984, 99% avg. Sunflower 2% combined, 25% 1984, 23% avg. Corn for grain 5% harvested, 45% 1984, 37% avg. Soybeans 31% combined, 89% 1984, 63% avg. Potatoes 74% dug, 99% 1984, 89% avg. Flax 61% combined, 100% 1984, 87% avg. Dry edible beans 53% combined, 100% 1984, 87% avg. Sugarbeet lifting at 72% complete.

**OHIO:** Temperatures averaged 6 to 8° above seasonal levels. Extremes from highs into the 80s to frosty lows. Precipitation widespread north average 0.50 to 0.75 in.; south average 0.10 to 0.33 in.

Days suitable for fieldwork 6.0. Topsoil moisture 63% short, 37% adequate. Winter wheat 7% fair, 78% good, 15% excellent; planted 65%, 40% 1984, 65% avg.; emerged 20%, 20% 1984, 20% avg. Late week rains benefitted crop germination spotty due to recent dry conditions. Corn mature 100%, 95% 1984, 95% avg.; harvest for grain 25%, 10% 1984, 20% avg.; harvested for silage 90%, 65% 1984, 85% avg. Soybeans shedding leaves 100%, 100% 1984, 100% avg.; harvested 55%, 25% 1984, 50% avg. All hay good. Pastures fair. Drought conditions northeast necessitated hauling water to cattle.

**OKLAHOMA:** Temperatures averaged 7° below normal north central to 3° above normal southeast. Precipitation averaged 0.71 in. south central to 3.78 in. Panhandle.

Days suitable for fieldwork 4.7. Topsoil moisture 20% short, 40% adequate, 40% surplus. Subsoil moisture 20% short, 80% adequate. Wheat 25% fair, 70% good, 7% excellent. Wheat 70% planted, 40% 1984, 65% avg. Wheat 35% emerged, 15% 1984, 30% avg. Heavy rains, winds damaged wheat stands, caused replantings. Sorghum 95% mature, 95% 1984, 85% avg. Sorghum 30% harvested, 20% 1984, 25% avg. Cotton 50% fair, 50% good. Cotton 85% open bolls, 75% 1984, 75% avg. Cotton 15% harvested, 5% 1984, 5% avg. Weekend rains stopped row crop harvest. Cattle marketings slacken, prices slightly stronger.

**OREGON:** Statewide temperatures averaged 4 to 23° below normal, except south coast 1° above normal. Several eastern locations recored lows midweek. Portland earliest freeze on record 8th. Precipitation all areas. North central, northeast area precipitation well above normal. West received from 0.10 to 0.50 in. 11th.

Soil moisture 21% short, 79% adequate. Winter wheat 40% planted, 39% 1984, 64% avg.; 14% emerged, 16% 1984, 34% avg. Some late alfalfa remained to be baled east. Corn for grain harvesting at Hermiston, Malheur; silage mostly completed these areas, west. Malheur County sugarbeet 7% harvested. Some spring grain yet to harvest southeast. Pear harvest finished. Late apple picking Hood River, west. Filberts 80% harvested; quality, condition good. Wine grape harvest continued. Cranberries 20% harvested. Potatoes processing harvest continued Hermiston-Boardman, quality good; slight freeze damage to expose tubers; central area digging with warm weather; Klamath crop 75% harvested; Malheur crop 85% harvested. Onion harvest finishing up Malheur County; complete other areas. Frost halted sweet corn harvest Willamette Valley.

Cauliflower harvest continued. Livestock good. Pastures fair to good west. Range land fair east. Cattle moved off summer allotments to winter range, wheat stubble and at Hermiston onto corn stalks, turnip fields.

**PENNSYLVANIA:** Temperatures averaged 54°; 20° above normal. Average rainfall 0.19 in., 0.47 in. below normal.

Days suitable for fieldwork 5.0. Soil moisture 45% short, 52% adequate, 3% surplus. Corn 1% very poor, 3% poor, 15% fair, 47% good, 34% excellent. Soybeans 3% very poor, 4% poor, 15% fair, 45% good, 33% excellent. Corn 78% mature, 68% 1984, 79% avg.; 16% harvested, 8% 1984, 16% avg. Potatoes 90% harvested, 85% 1984. Fourth cutting alfalfa 69% harvested, 60% 1984. Quality of hay made 4% poor, 42% fair, 54% good. Amount of feed being obtained from pastures 41% below avg., 59% avg. Activities included; harvesting corn, corn silage, green chop, hay, potatoes, apples, grapes, peppers, cabbage, broccoli; fall plowing and planting.

**PUERTO RICO:** Island average rainfall 11.30 in., 9.42 in. above normal. Highest weekly total 24.73 in. Highest 24-hour total 21.52 in. Temperatures averaged about 78 to 79° on coast, 73 to 74° interior divisions. Mean station temperatures ranged from 67 to 81°. Extremes 50°; 94°. Total rainfall 5.83 in., plus 4.43 in.

**TEXAS:** Numerous showers locally, heavy thunderstorms spread northwest into north central section of State 9th, 10th. Gulf breezes kept east and south warm, humid; rain limited to widely scattered thundershowers over weekend. More storms started another cool front entering Panhandle late 13th. Excessive rains 4.00 to 6.00 in. recorded over eastern Panhandle down through South Plains, Caprock Region. Other substantial rains several inches limited few areas central Blacklands, extreme southeast. Warm conditions continued south, central, east despite cloudy skies most week. Temperatures below normal across northwestern third State.

Crops: Grain sorghum 100% turning color, 99% 1984, 98% avg.; 92% mature, 88% 1984, 90% avg.; 71% harvested for grain, 72% 1984, 76% avg.; condition 84% of normal, 65% 1984. Sorghum 3% poor, 21% fair, 62% good, 14% excellent. Harvest little no progress Plains last week. Some fields severe lodging heavy rains high winds. Dry weather needed resume harvest. Harvest completed Low Plains. Corn 100% mature; 92% harvested, 90% 1984, 90% avg. Harvesting stalled over High Plains. Lodging for high winds continued. Warmer, open weather critical for harvest. Remaining yields could be affected adverse conditions. Cotton 63% open bolls, 50% 1984, 68% avg.; 21% harvested, 19% 1984, 22% avg.; condition 74% of normal, 65% 1984. Cotton 2% poor, 51% fair, 41% good, 5% excellent. Harvesting stalled most areas Plains because rain. Producers concerned lint quality yields hurt but larger amounts rain past two weeks. Some defoliating over Cross Timbers last week. Harvesting should begin as ground dries. Trans-Pecos, defoliating underway. Harvesting activities continued east portion central. Rice 100% turning color, 100% 1984, 100% avg.; 100% harvested, 100% 1984, 100% avg. Peanuts 29% harvested, 28% 1984, 32% avg. Harvesting continued limited areas last week. Yields good irrigated fields, fair dryland fields. Development slow Blacklands. Soybeans 20% harvested, 38% 1984, 19% avg. Harvest stalled High Plains. Later fields maturing rapidly. Yields good, quality may decline. Most fields along upper coast maturing rapidly. Wheat 52% planted, 68% 1984, 60% avg.; 32% emerged, 32% 1984, 34% avg. Small grain planting increased

central. Additional moisture would improve planting conditions central, south. Some spraying armyworms occurring Blacklands. Most emerged fields look good south, High Plains. Some replanting wheat fields necessary High Plains because heavy rains. Other field crops: Sugarbeets 7% harvested, 41% 1984, 9% avg. Sunflowers 47% harvested, 42% 1984, 45% avg. Pecans 3% harvested, none 1984, none avg. Oats 46% planted, 59% 1984, 51% avg.

**Commercial Vegetables:** Rio Grande Valley, drier conditions enable fieldwork resume. Cucumber harvest continued. Some carrot, cabbage fields replanted because heavy rains. Most later fields along with tomatoes, peppers good condition. Planting continued other vegetables. San Antonio-Winter Garden, planting continued. Most stand conditions good. Land preparation continued. High Plains, some hand harvesting pumpkins. East most planted vegetables look good. Sweetpotatoe harvest continued, good yields. Pecan harvesting began more areas past week. Yields continued good on native varieties. Other groves shuck split stage.

**Range and Livestock:** Range pasture condition steadily improving over Plains because good rains past two weeks. Warmer temperatures allow further greening. Feeding slowed or stopped completely because increased forage growth. Elsewhere, ranges improved slightly; additional rain greatly improved growth, greening. Livestock continue good condition. Calf prices improved. Many producers weaning fall, calf crop movement onto small grain pastures began scattered areas.

**SOUTH CAROLINA:** Temperatures below normal early week, 4 to 10° above normal mid to late week. Rainfall over most of State light - heavier precipitation reported in few isolated areas.

Days available for field activities 5.2. Soil moisture 12% very short, 43% short, 45% adequate. Soybeans 16% poor, 56% fair, 23% good, 5% excellent. Soybean leaves turning 76%, 83% 1984, 77% avg.; 44% shedding leaves, 46% 1984, 49% avg.; 22% mature, 20% 1984, 17% avg.; 3% harvested, 3% 1984, 3% avg. Cotton 11% fair, 83% good, 6% excellent. Cotton bolls open 97%, 93% 1984, 99% avg.; 61% harvested, 28% 1984, 45% avg. Corn fair to good; 95% harvested, 96% 1984, 95% avg. Tobacco 84% stalks destroyed, 88% 1984. Apples fair to good; 91% harvested, 87% 1984, 91% avg. Hay, pastures, winter grazing, small grain crops, livestock fair to good.

**SOUTH DAKOTA:** Average temperatures ranged 7 to 14° below normal. Extremes 16°; 73°. Black hills low 6°. Precipitation widespread 0.25 to 1.00 in. Greatest amount in band from southwest to northeast.

Days suitable for fieldwork 4.0. Topsoil moisture adequate east, short and critically short west; scattered surplus east, adequate west; 6% critically short, 21% short, 58% adequate, 15% surplus. Corn 1% very poor, 3% poor, 13% fair, 67% good, 16% excellent. Corn 77% mature, 90% 1984, 100% avg. Corn 5% harvested, 14% 1984, 30% avg. Winter wheat 3% poor, 28% fair, 56% good, 13% excellent. Winter wheat 96% seeded, 100% 1984, 100% avg. Winter wheat 80% emerged, 85% 1984, 89% avg. Sorghum 17% poor, 31% fair, 45% good, 7% excellent. Sorghum 66% mature, 87% 1984, 91% avg. Sorghum 8% harvested, 25% 1984, 39% avg. Soybeans 17% fair, 70% good, 13% excellent. Soybeans 90% dropping leaves, 96% 1984, 100% avg. Soybeans 4% harvested, 36% 1984, 58% avg. High moisture content, wet soil hampering harvest.

**TENNESSEE:** Average temperatures nearly 15° below normal early week 5° above normal weekend. No rain measured any station.

Days suitable for fieldwork 5.5. Soil moisture levels 31% short, 68% adequate, 1% surplus. Harvest progress ahead of normal pace; three weeks ahead of last year. Corn 65% harvested, 35% 1984, 50% avg. Cotton 45% harvested, 20% 1984, 45% avg.; 12% fair, 69% good, 19% excellent. Burley tobacco 15% stripped, 10% 1984, 18% avg. Soybeans 12% harvested, 2% 1984, 8% avg.; 80% dropping leaves, 80% 1984, 75% avg.; 45% mature, 20% 1984, 30% avg.; 1% poor, 15% fair, 75% good, 9% excellent. Sorghum 80% harvested, 35% 1984. Wheat 20% sown, 19% 1984, 30% avg. Pastures fair to good. Livestock continued good.

**UTAH:** Temperatures 3 to 7° below normal. Precipitation throughout State with amounts ranging from moderate to very heavy.

Rain limited fieldwork to 3.9 days. Soil moisture adequate over most State. Winter wheat seedings 78% complete. Corn silage harvest 80% finished, 23% corn for grain harvested. Onion, dry bean harvest near completion. Potato harvest 64% complete. Fourth crop alfalfa 19% complete--some still harvesting 3rd cut. Cattle, sheep moving to fall, winter ranges. Winter range feed fair to poor.

**VIRGINIA:** Dry all week. Clear, cool first half period; warmer last half. Temperatures ranged from low of 29° to high low 80s.

Days suitable for fieldwork 5.8. Topsoil moisture 41% short, 51% adequate, 8% surplus. Grain corn 66% harvested, 58% 1984, 65% avg. Silage corn 96% harvested, 95% 1984, 94% avg. Soybeans good to excellent. Soybeans 4% harvested, 6% 1984, 9% avg. Peanuts good to excellent. Peanut harvest progressing normally, despite local difficulties due to wet fields. Digging 78% complete, 88% 1984, 69% avg.; combing 58% complete, 72% 1984, 54% avg. Some farmers still harvesting flue-cured tobacco. Curing and grading all tobacco types. Marketing flue-cured tobacco. Wheat 14% seeded, 20% 1984, 25% avg. Barley 42% seeded, 46% 1984, 54% avg. Oats 57% seeded, 61% 1984, 67% avg. Sweetpotatoes 70% harvested, 65% 1984, 67% avg. Apple harvest over 75% complete. Apple size, quality good. Pasture fair northern tip of State, good elsewhere. Cattle sales active statewide. Water sources for livestock scarce northern areas.

**WASHINGTON:** Early winter storm produced considerable rain, snow. Temperatures warmer yet below seasonal normals.

Days suitable for fieldwork 5.0. Soil moisture 40% short, 60% adequate. Winter wheat 92% seeded, 86% 1984, 77% avg. Winter wheat 59% emerged, 64% 1984, 68% avg. Potatoes 68% harvested, 63% 1984. Freezing temperatures slowing fruit, vegetable harvest. Range, pastures 54% short, 46% adequate. Hay supplies 38% short, 62% adequate. Hay feeding month earlier than normal.

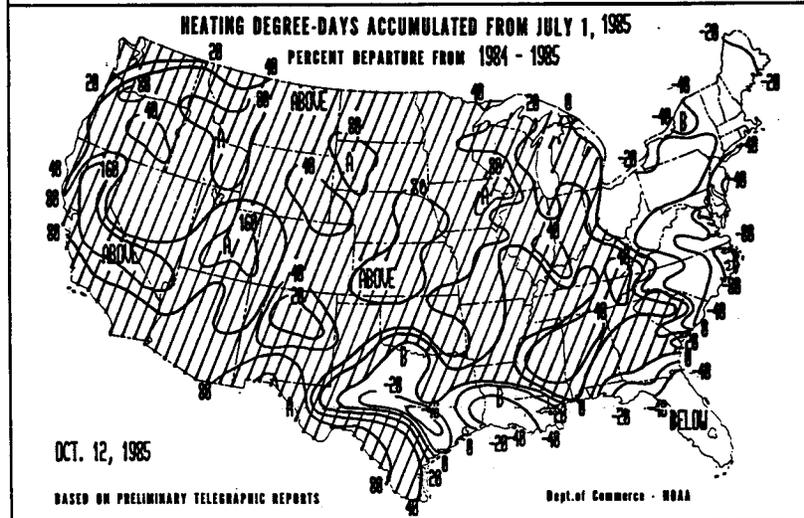
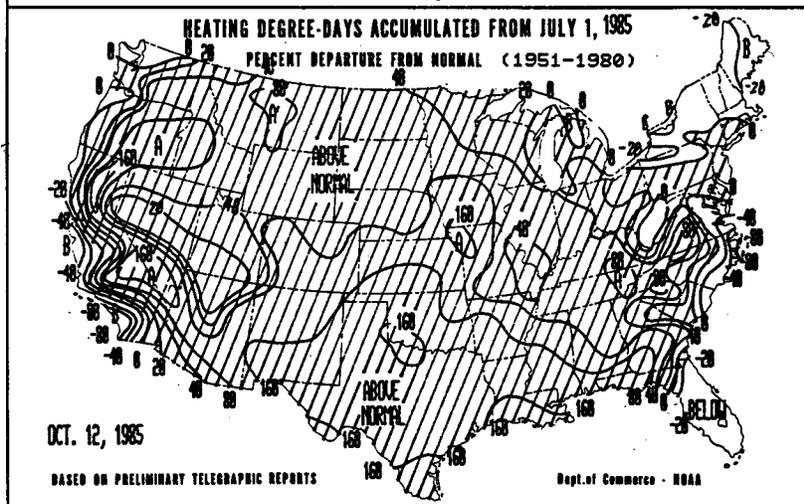
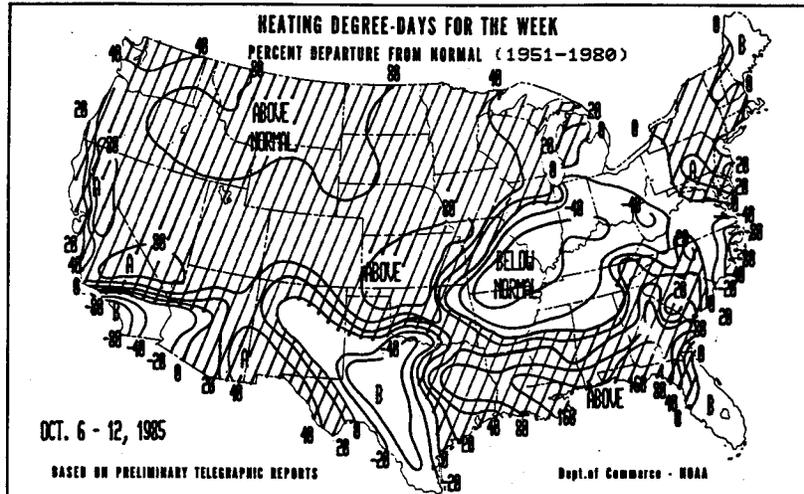
**WEST VIRGINIA:** Temperatures averaged 3 to 9° above normal. Low 20° at Greenbank; high 87° Charleston. Average temperatures 58°. Precipitation well below normal. Most rainfall, Clarksburg 0.35 in. Average precipitation 0.11 in.

Days worked 5.3. Soil moisture short to very short. Harvesting corn, general farm maintenance. Fall seeding; wheat 63% complete; barley 73% complete. Corn 59% mature; 41% harvested.

**WISCONSIN:** Average temperatures 2 to 4° below normal. Precipitation 0.60 to 1.10 in. north, 0.60 to 0.90 in. central, 0.90 to 2.60 in. south.

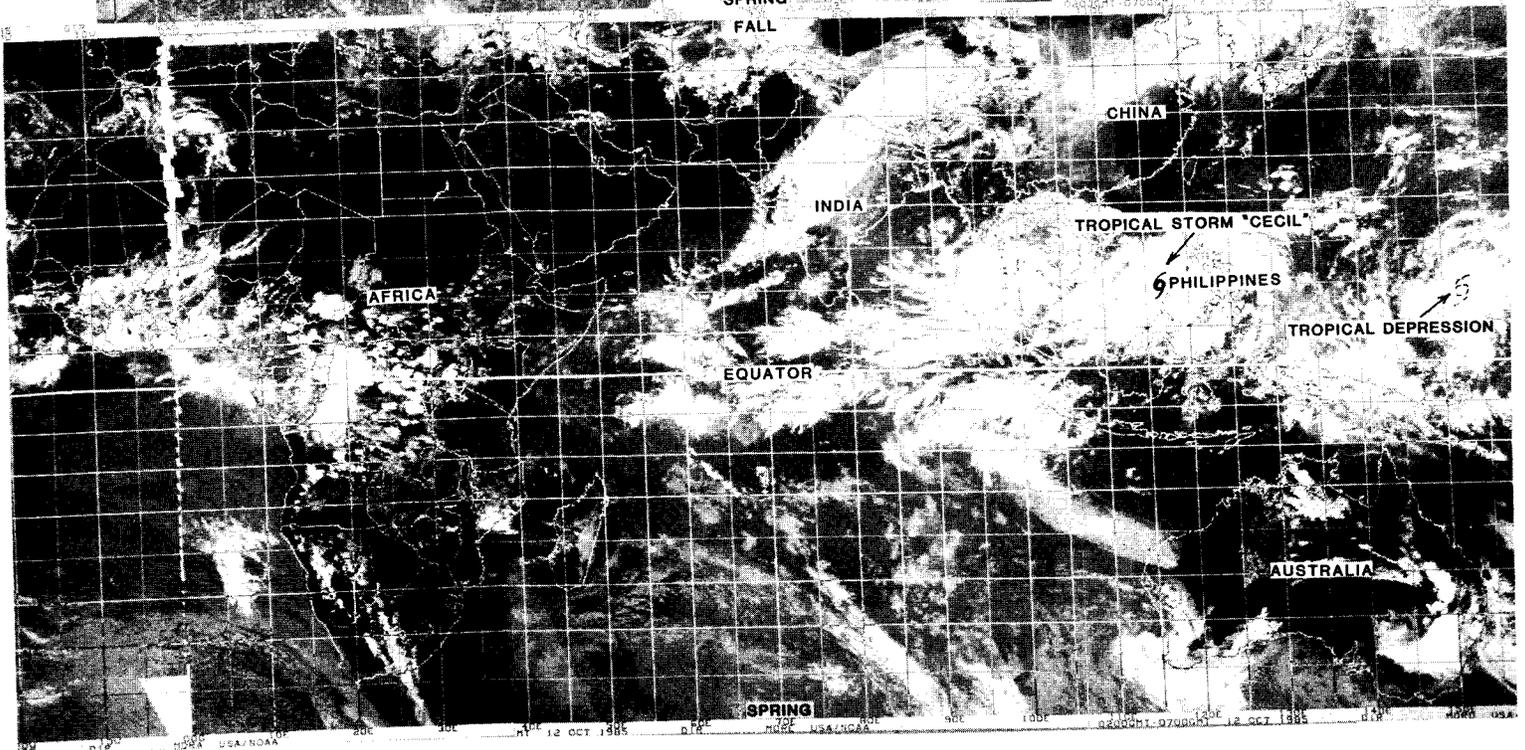
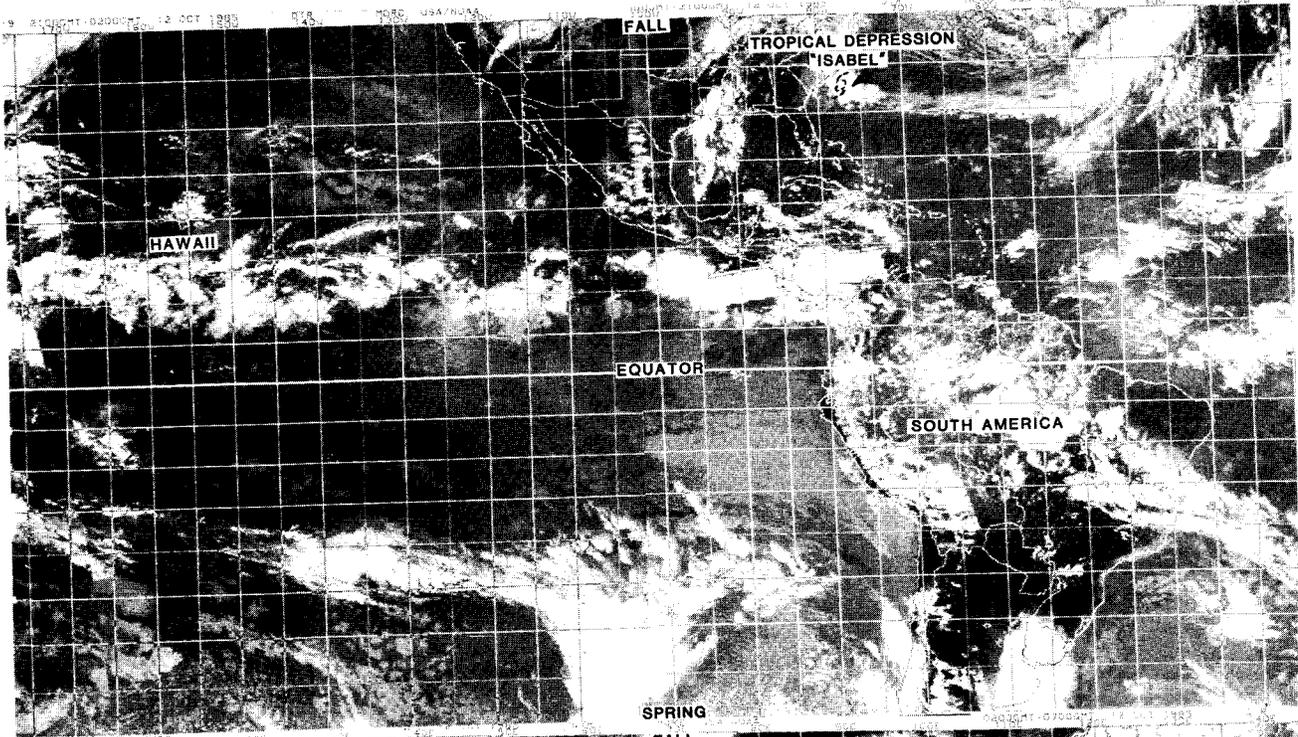
Days suitable for fieldwork 3.3. Soil moisture 25% adequate, 75% surplus. General crop condition 1% very poor, 5% poor, 14% fair, 73% good, 7%

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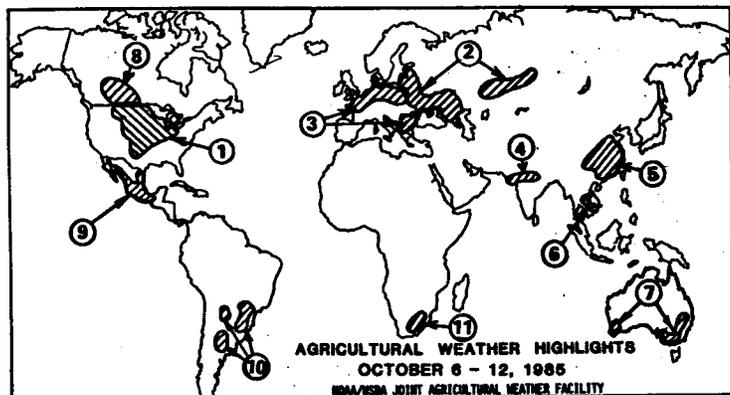
# GLOBAL WEATHER SATELLITE IMAGE

## October 12, 1985



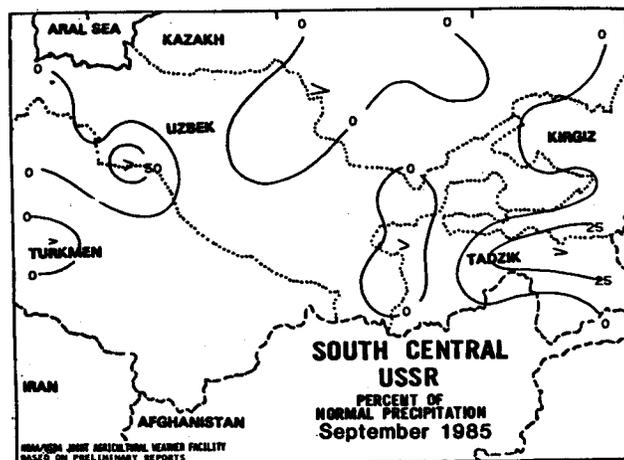
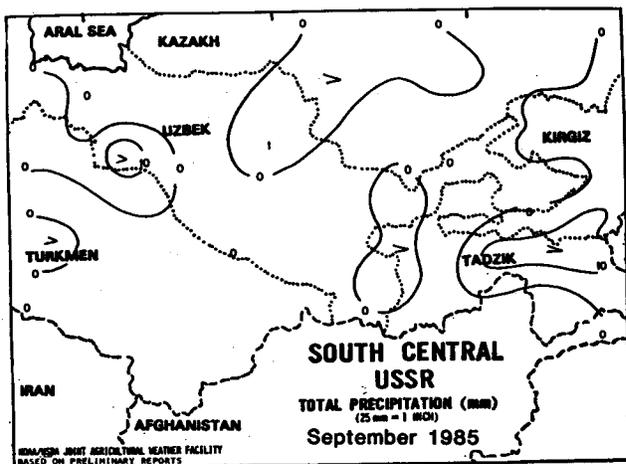
International Weather and Crop Summary

October 6-12, 1985

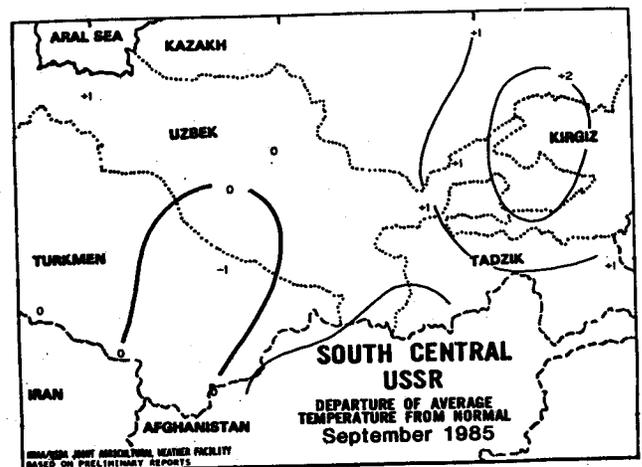
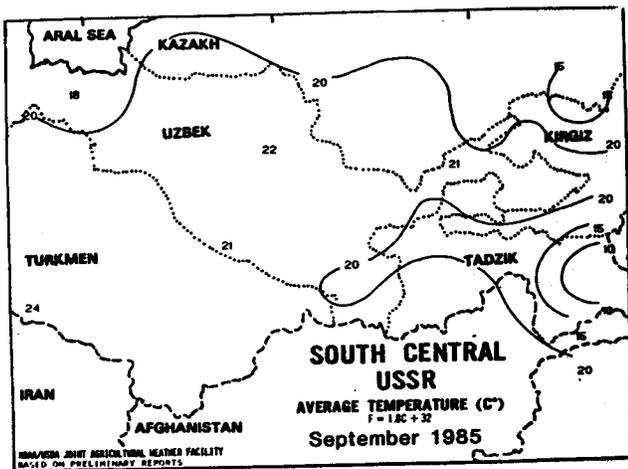
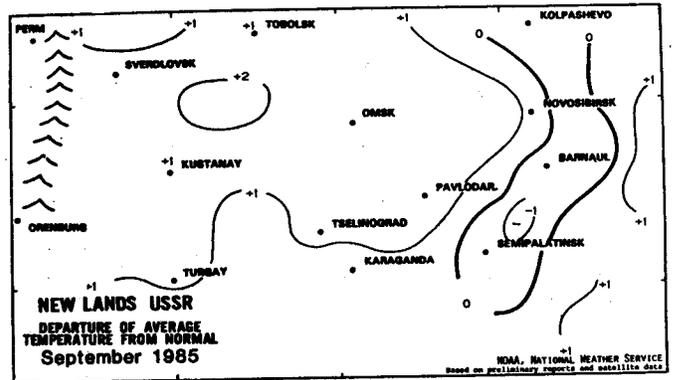
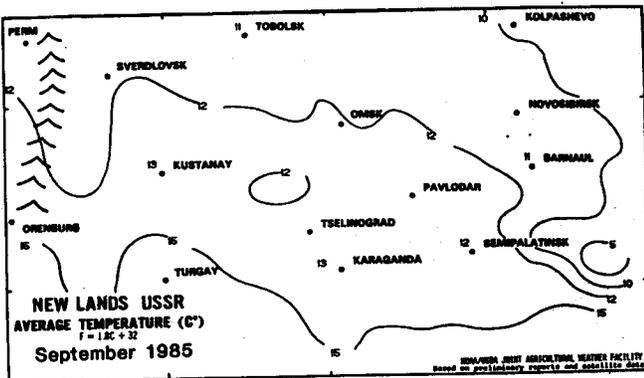
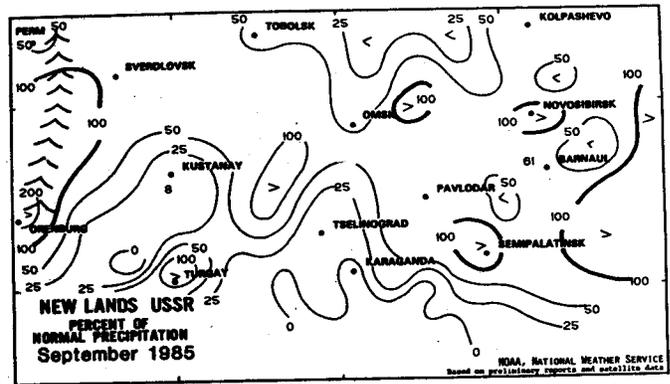
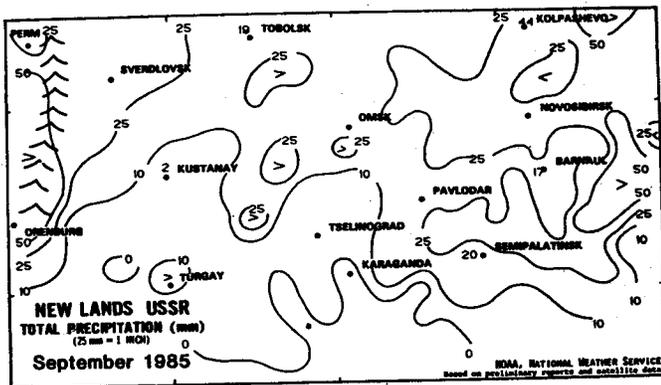
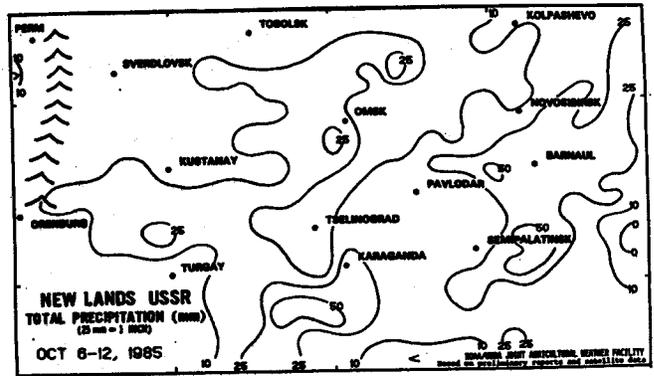


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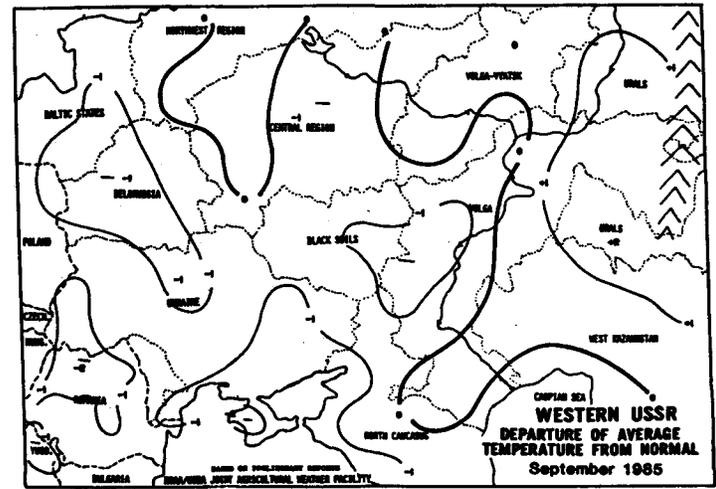
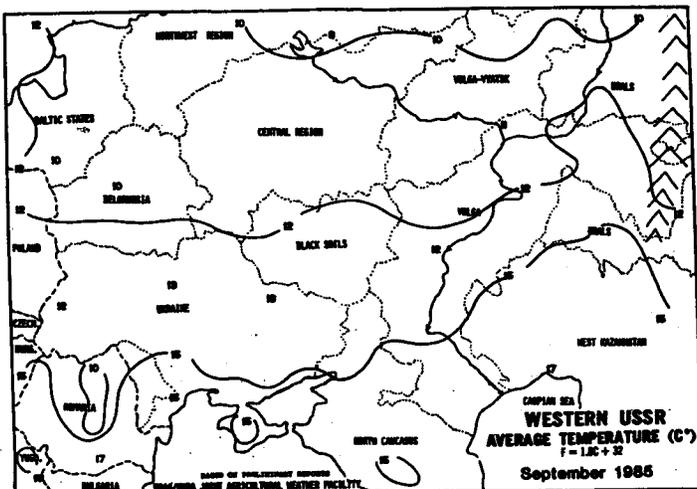
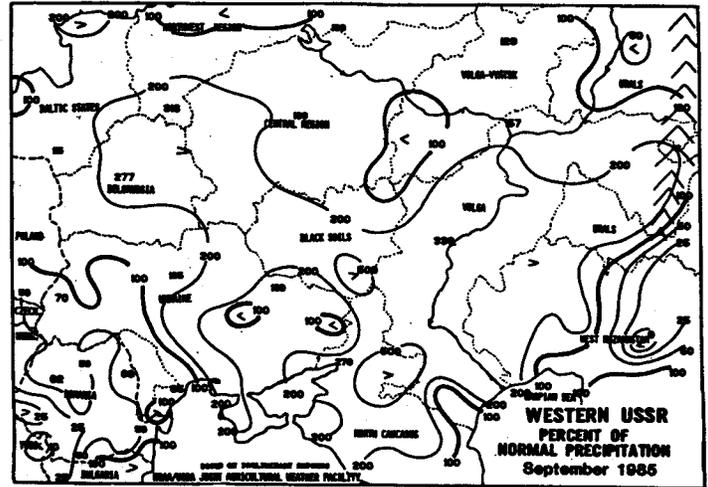
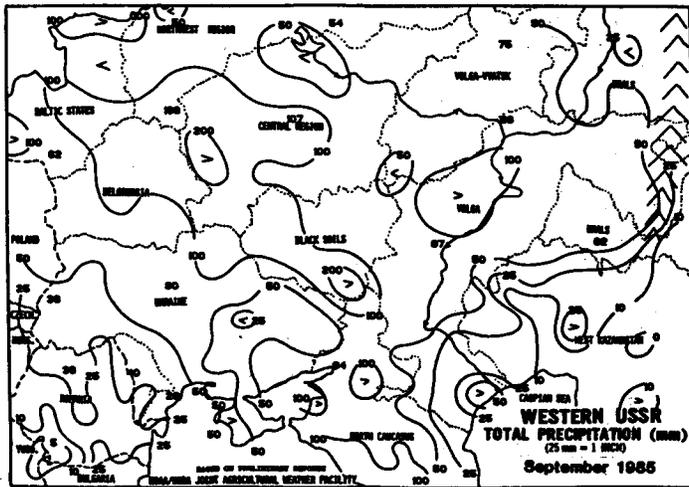
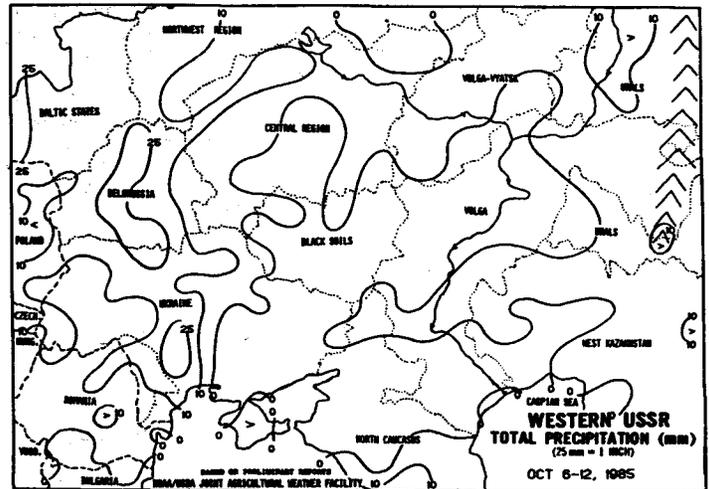
1. **UNITED STATES** ... Precipitation delays harvest and winter wheat seeding over the Great Plains and portions of the Corn Belt.
2. **USSR** ... In Western USSR, showers in the west benefit winter grains. Rain is needed in the southeast for winter grain emergence and early growth. In the New Lands, snow and subfreezing temperatures delay final harvest efforts.
3. **EUROPE** ... Showers in the north favor winter grains. Rain is desperately needed in southeastern winter grain areas for proper emergence and good early growth.
4. **SOUTH ASIA** ... Moderate to heavy rain benefits cotton and groundnuts following an extended dry period. Moisture is adequate for rice.
5. **EASTERN ASIA** ... Showers slow crop harvesting in the North China Plain, but mostly dry weather prevails in the Manchurian Valley and southern China.
6. **SOUTHEAST ASIA** ... Showers help rice development in south-central and northeastern crop areas, but weekly amounts are light in moisture-limited northeast.
7. **AUSTRALIA** ... Timely rain helps wheat development in New South Wales and Western Australia.
8. **CANADA** ... Early-week snow and below average temperatures cover the southern Prairies, aggravating the delays in crop harvesting. Drier weather in the north likely allows some fieldwork.
9. **MEXICO** ... Hurricane Waldo hits the west coast farming region. Showers extend into north-central grazing areas.
10. **SOUTH AMERICA** ... Moisture is adequate for wheat growth and summer crop planting in Argentina and southern Brazil. Substantial showers in Brazil's more northern crop areas help planting.
11. **SOUTH AFRICA** ... Corn planting begins in the Maize Triangle.



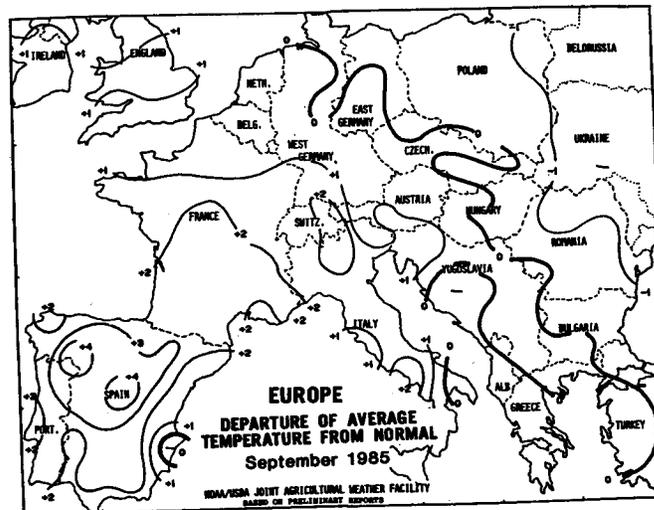
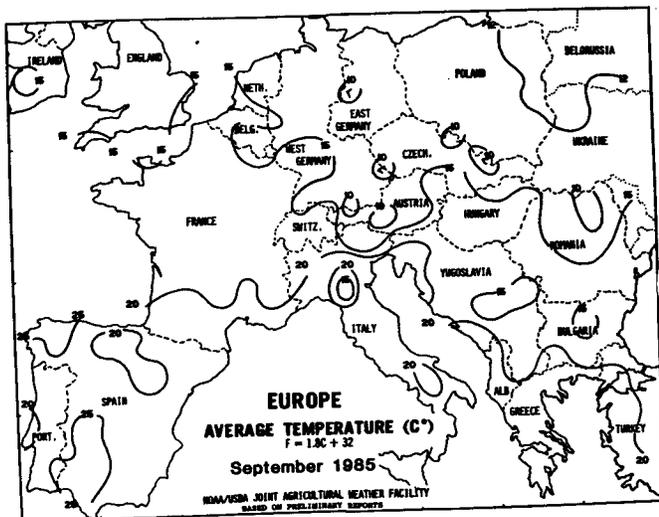
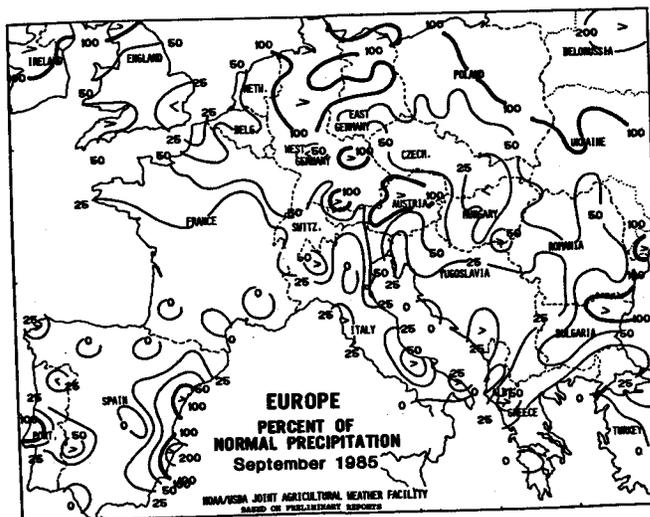
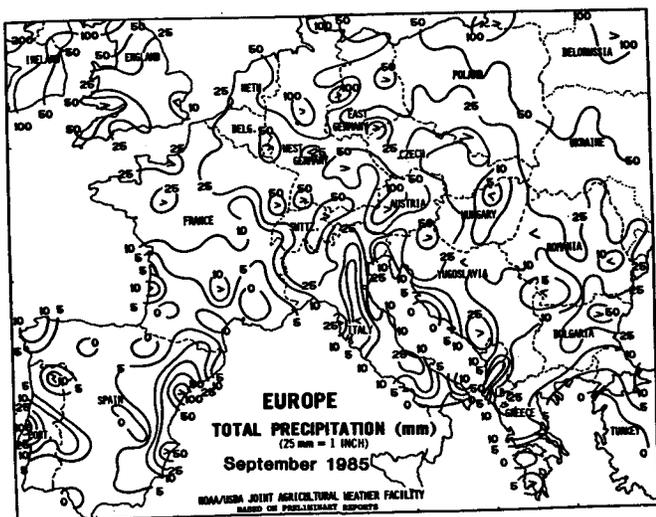
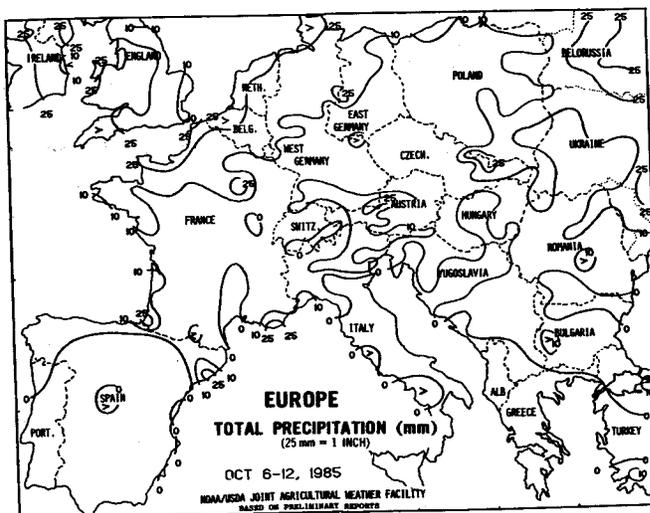
**NEW LANDS...** Snow showers covered most spring grain areas, delaying late harvest efforts. Precipitation amounts varied around 10mm, and weekly temperatures were below freezing in northern and central crop areas. In September, below-normal precipitation and above-normal temperatures helped to accelerate the harvest pace. Weekly coverage of the New Lands will be suspended until next spring's planting season. In South Central USSR cotton areas, mostly dry weather and above-normal September temperatures aided harvesting. Mostly dry weather continued to help harvesting this past week.



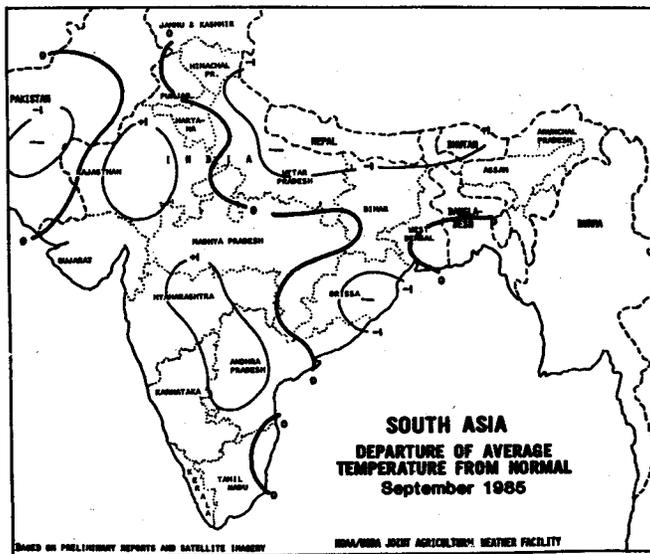
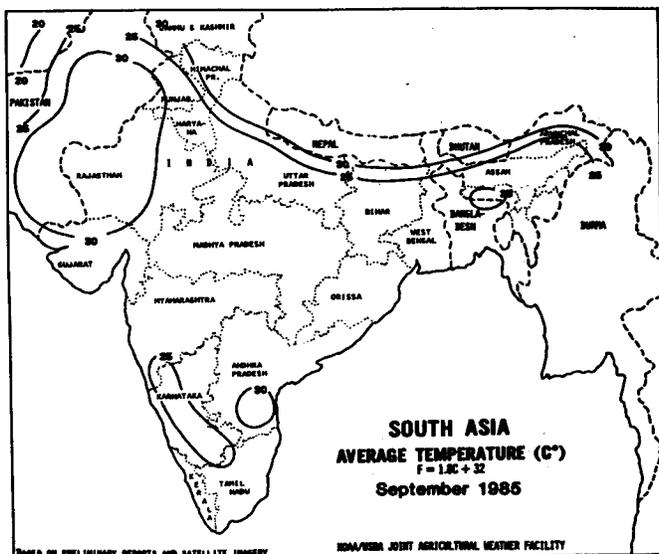
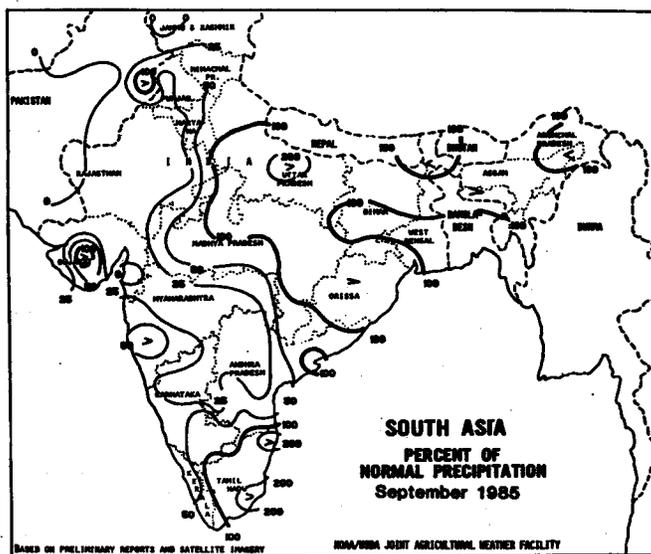
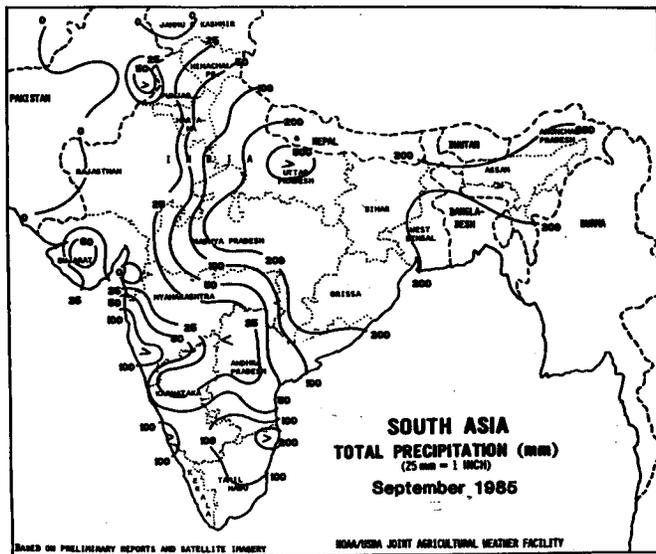
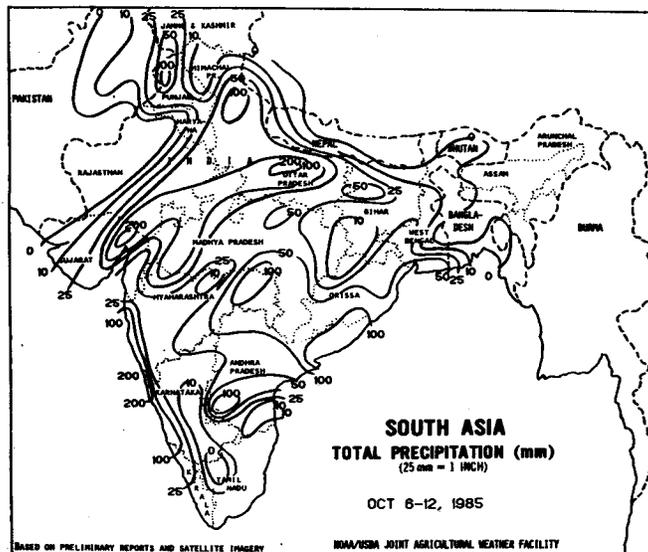
**USSR...** Persistent showers during September fell eastward from the Baltics and Belorussia, through the Central Region, into the upper Volga. The rain in these areas likely delayed fieldwork, but provided abundant soil moisture for winter grain emergence and early growth. Further south, above-normal September precipitation covered much of the Ukraine, North Caucasus, and lower Volga. Most of the rain fell early in the month and was followed by generally dry weather, which helped corn harvesting and winter grain planting. Recently, widespread showers (10 to 25mm) covered crop areas in the Baltics, Belorussia, and the western Ukraine. Although the rain in these areas caused some interruptions in fieldwork, it was highly beneficial for winter wheat emergence and early growth. Elsewhere, unseasonably warm, dry weather provided favorable conditions for fieldwork and continued to promote winter grain growth. Showers are needed in southeast winter wheat areas.



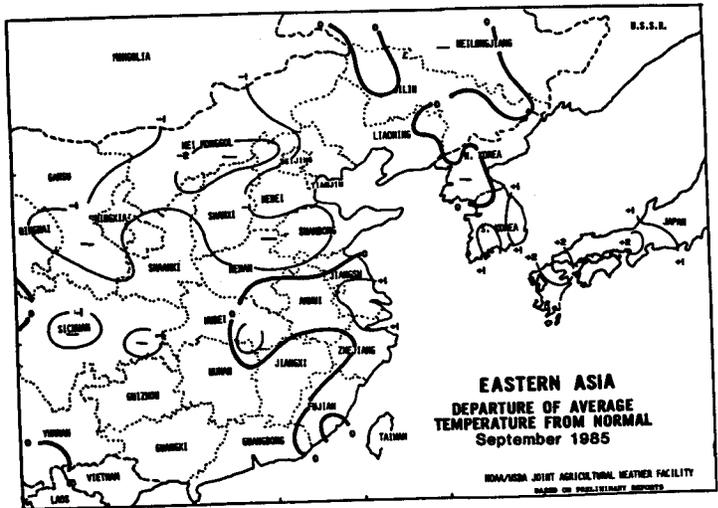
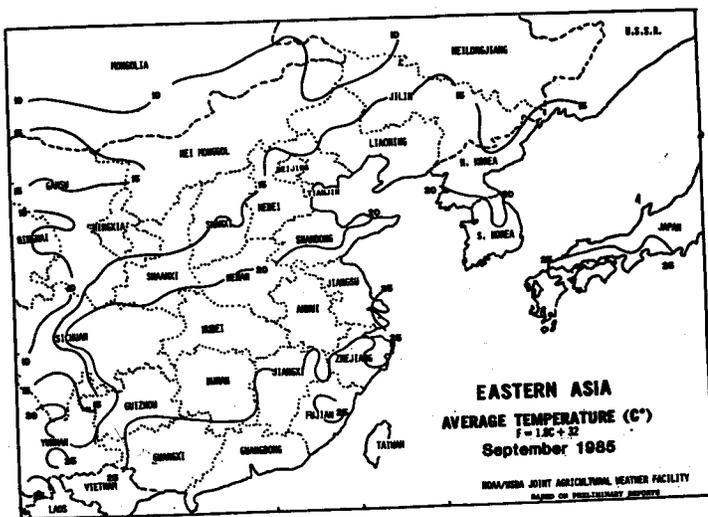
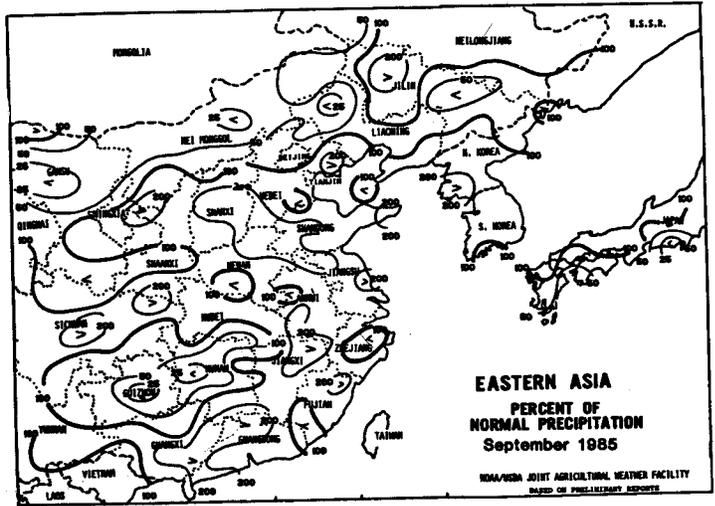
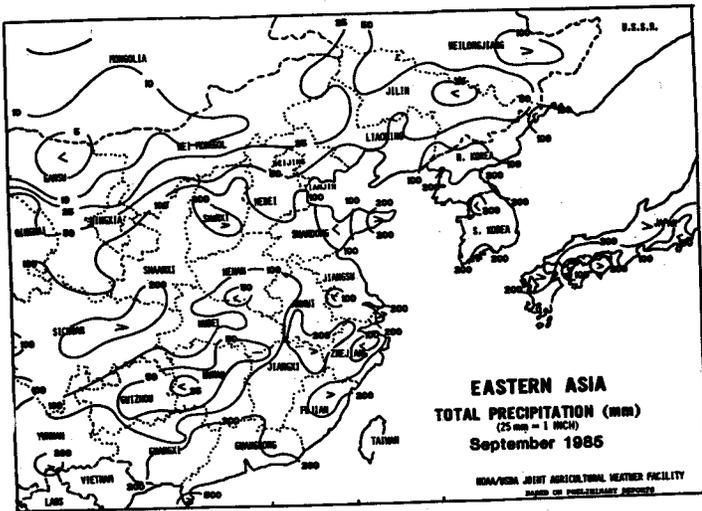
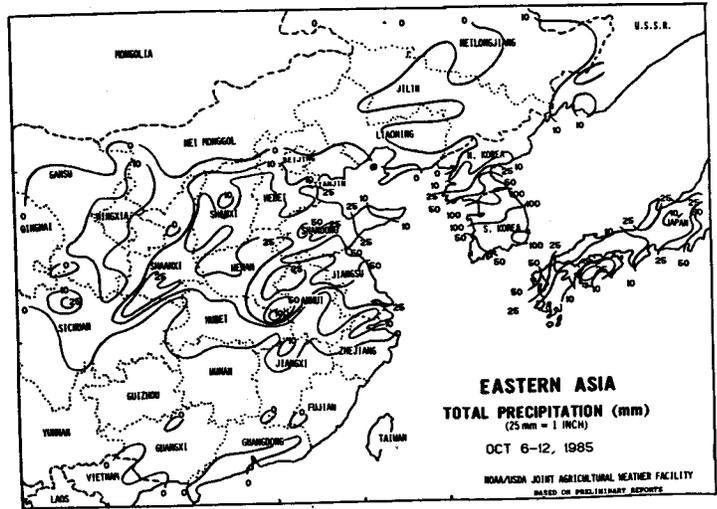
EUROPE...Showers (10 to 25mm) covered winter grain areas in England, northern France, the Netherlands, and Belgium. The rain in these areas benefited winter grain emergence and early growth, and reversed September's below-normal precipitation pattern. Light showers in West Germany, East Germany, and Poland continued to provide favorable moisture conditions for winter wheat emergence and early growth. Light, scattered showers spread eastward from southwestern France, through northern Italy, into southeastern Europe, continuing September's below-normal precipitation pattern. Although the continued mostly dry weather in these areas aided corn and sugarbeet harvesting, showers are desperately needed for winter grain emergence and early growth. Farmers in Spain await the onset of autumn rains before winter grain planting can begin.



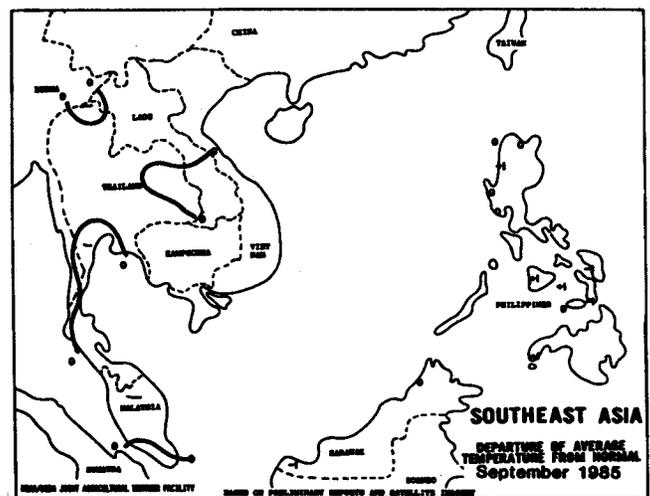
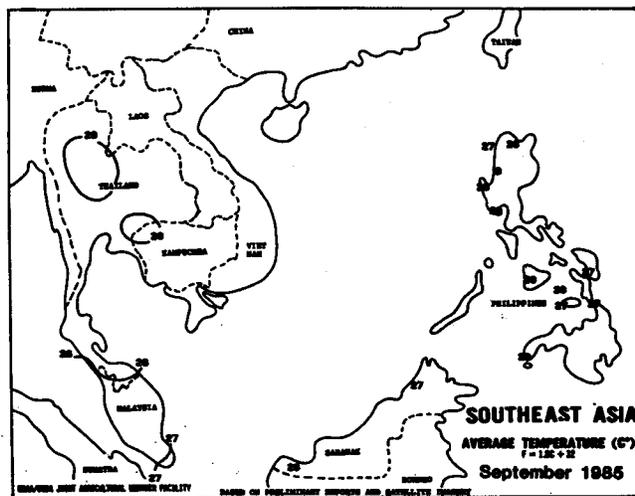
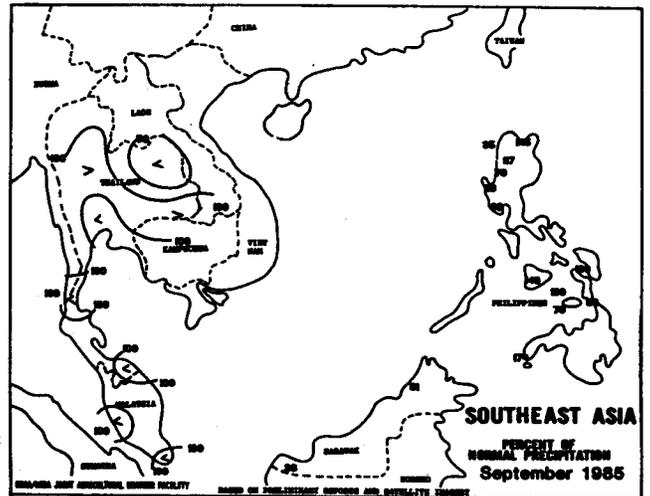
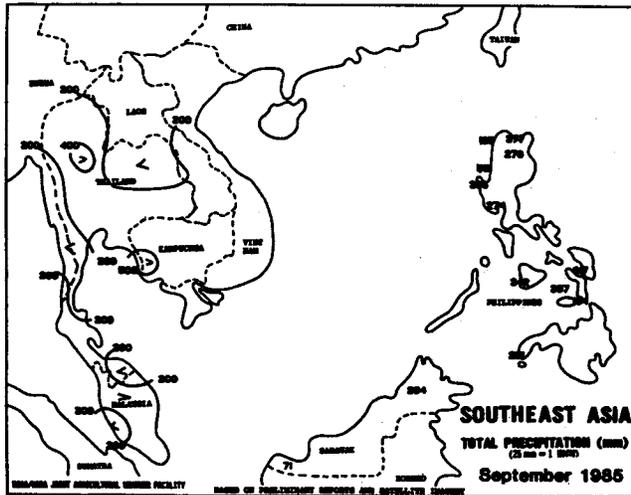
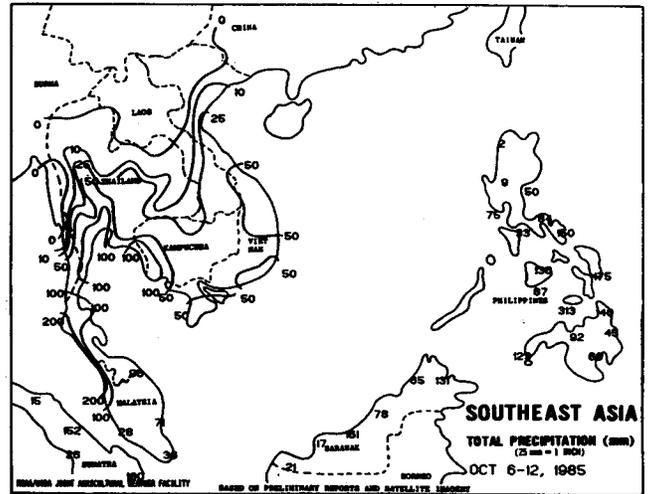
**SOUTH ASIA...** Dry September weather persisted throughout most of western India, leaving monthly rainfall far below normal. The limited moisture stressed cotton and groundnuts in the reproductive stages. Recently, tropical weather systems drifted into the west, producing widespread heavy rain from eastern Gujarat to Uttar Pradesh. The moisture likely came too late to improve yield prospects for early planted cotton and groundnuts, but late planted crops did benefit from the rain. Heavy rain in the north improved conditions for wheat planting, but some flooding likely occurred in Uttar Pradesh. Near-normal September rainfall in the east favored winter rice in the heading stage. Only light rain fell in Bihar and West Bengal, where winter rice would benefit from late monsoon rain.



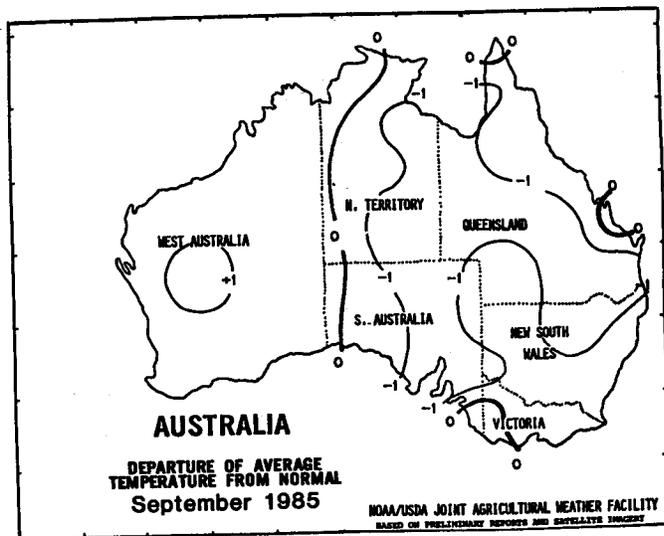
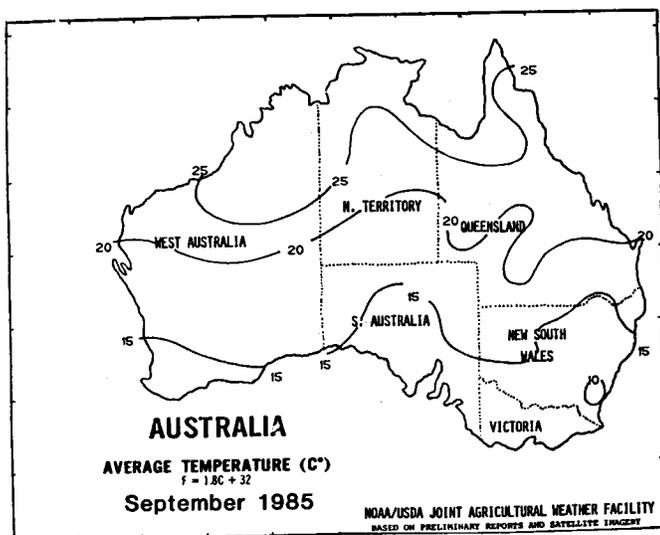
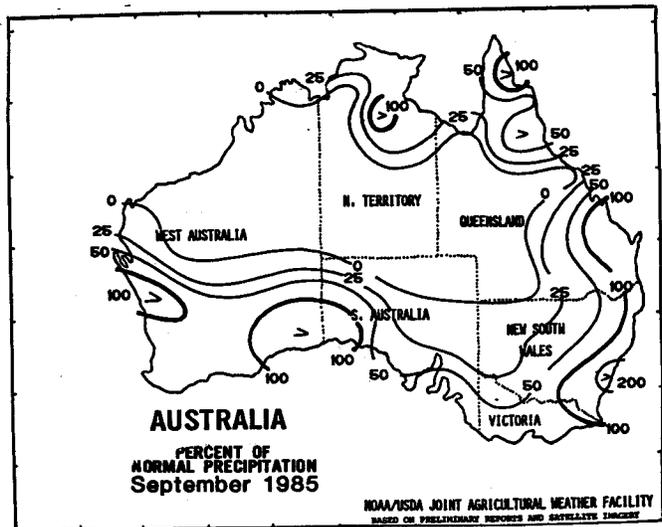
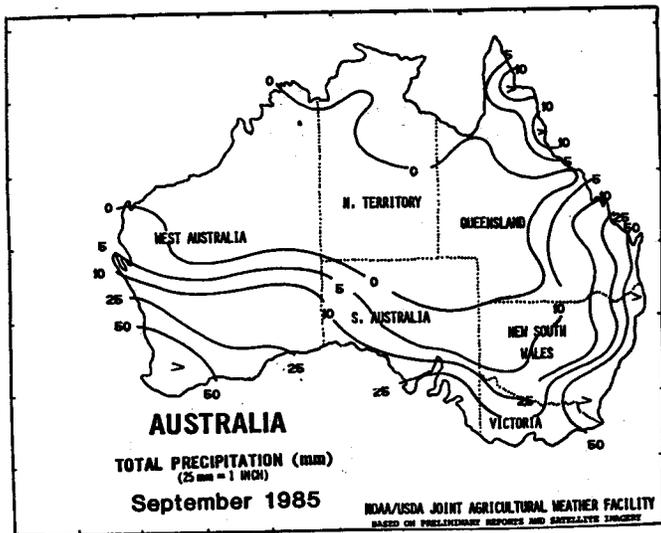
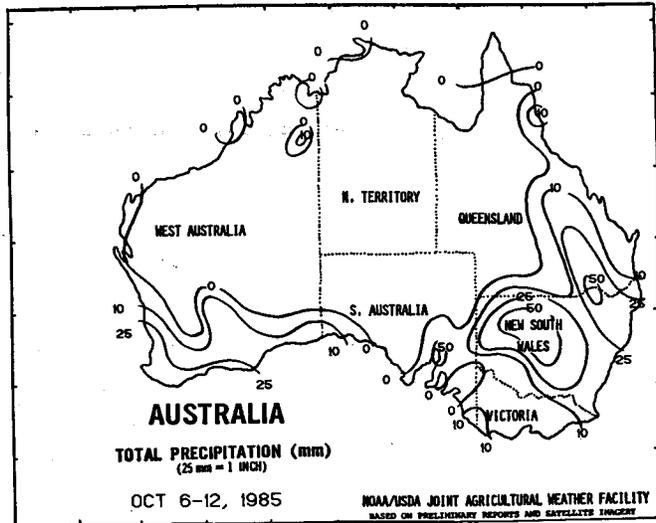
**EASTERN ASIA...**Recent rain slowed summer crop harvesting in the North China Plain. In mid-September, heavy rain was unfavorable for maturing cotton, corn, and soybeans in this area. However, the moisture was beneficial for winter wheat planting following below-normal summer rainfall. In Manchuria, favorably drier weather prevailed in September and to the present, benefiting the corn and soybean harvest. September's tropical weather in the south caused flooding in Guangxi and Guangdong, damaging late rice in the filling stage. Recent drier weather favored crop harvesting. Dry weather recently covered most of southern China, south of the Yangtze Valley.



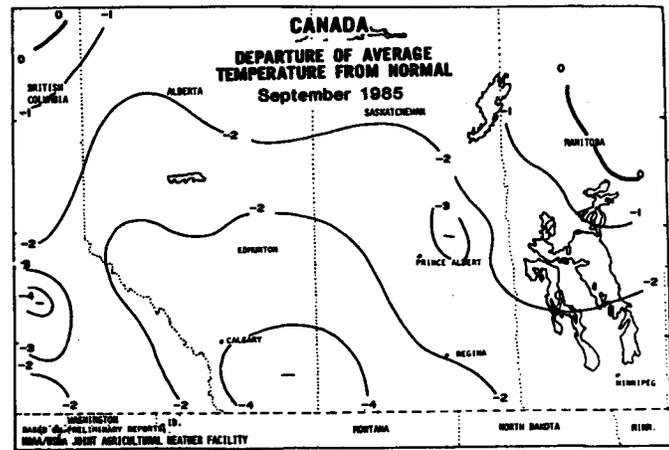
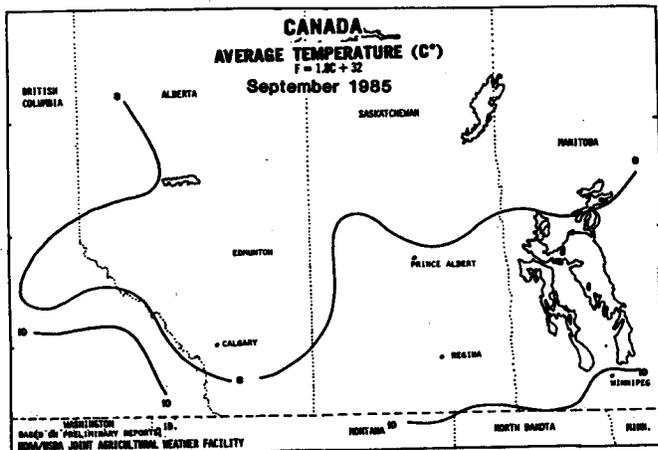
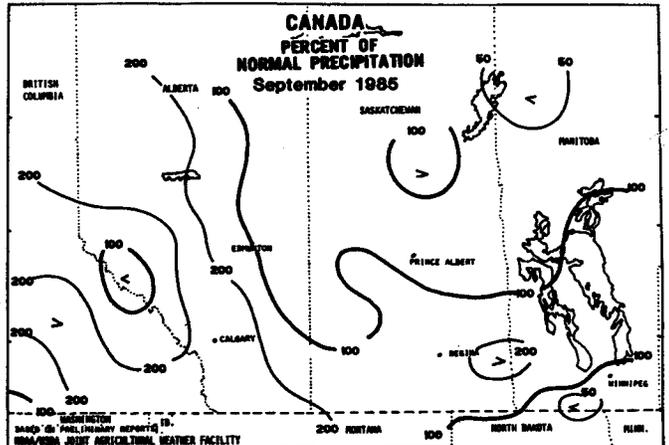
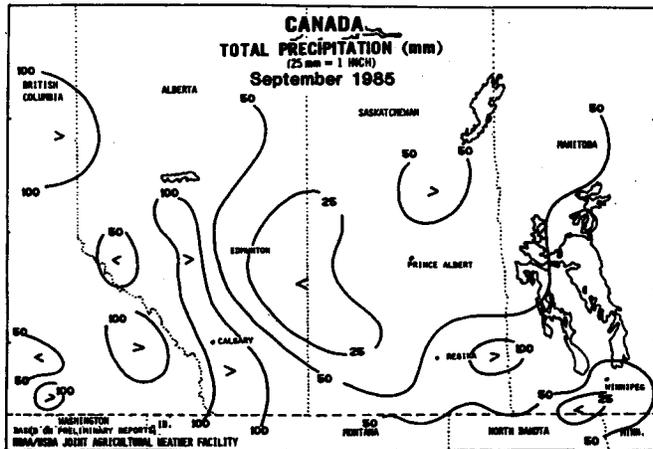
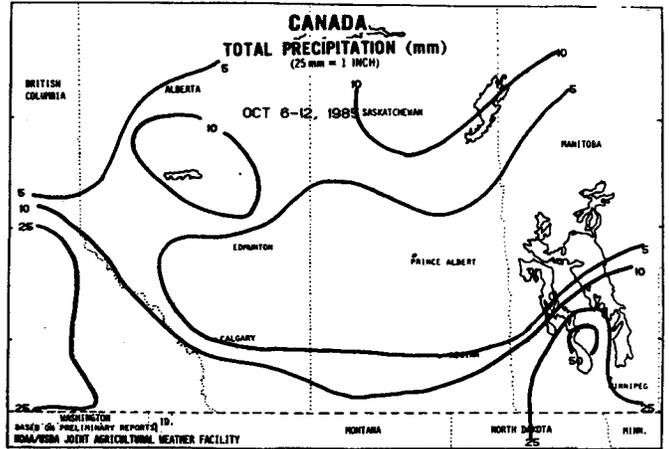
**SOUTHEAST ASIA...**Recently, showers favored rice in the south-central areas, and some rain extended into northeastern crop areas. September rainfall was above normal in northern Thailand and near normal in the major south-central rice growing region. The moisture benefited rice in the grain filling stage. Rice harvesting can begin in October but continues into January due to the long planting season. Below-normal September rainfall in northeastern Thailand stressed rainfed rice in the grain filling stage. Light showers (less than 10mm) in the extreme northeast were still insufficient for rice. Near-normal rain favored lowland rice entering the reproductive stage in central Luzon, Philippines.



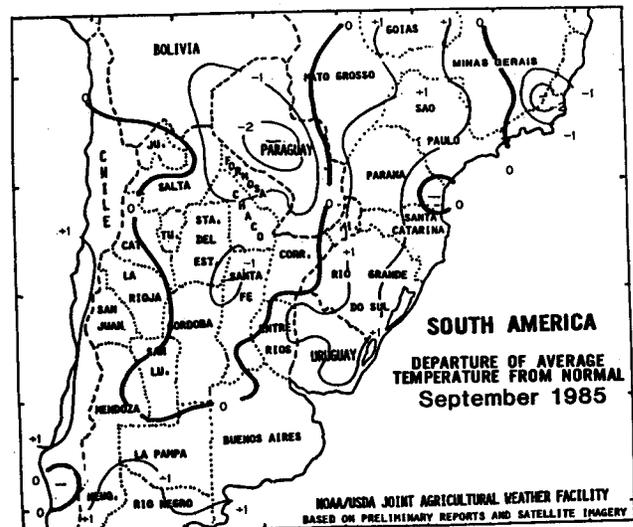
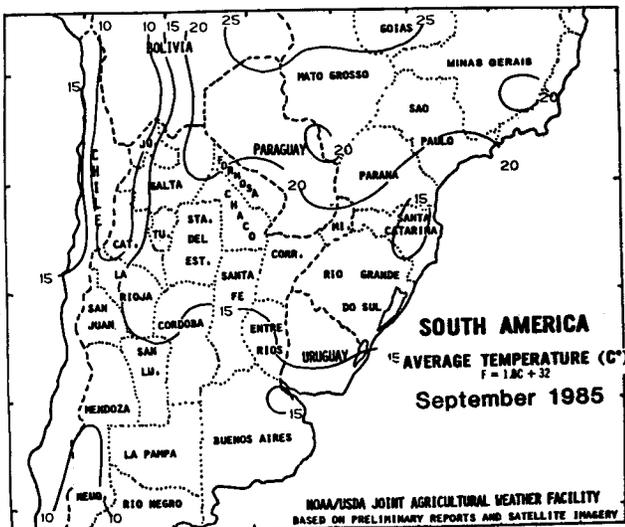
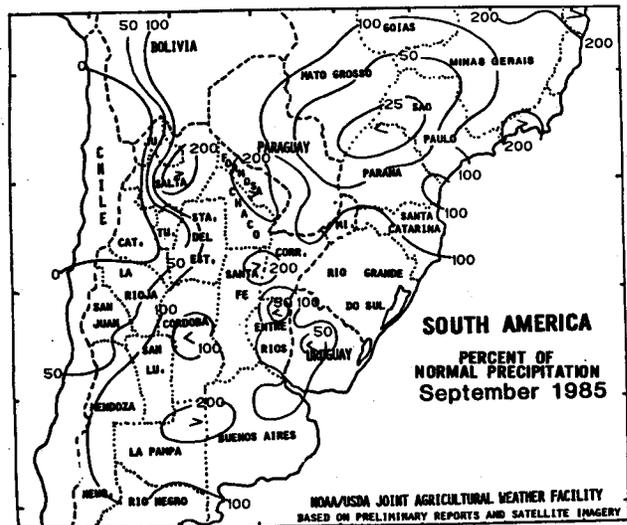
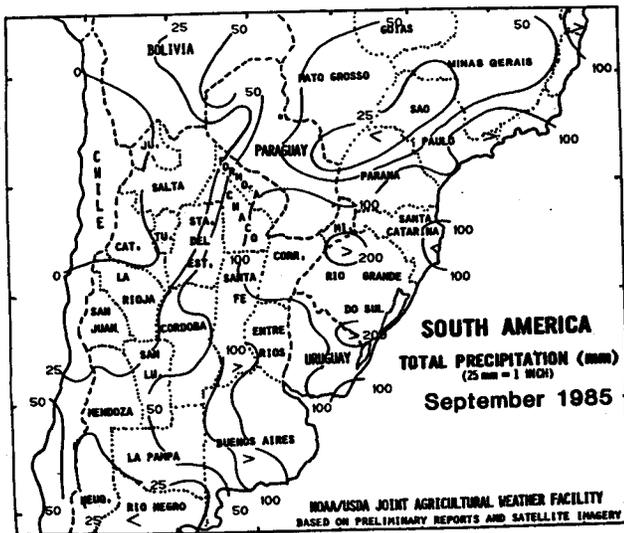
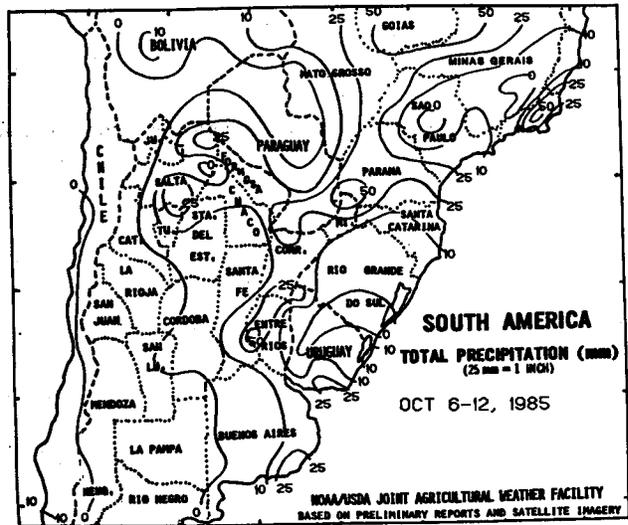
**AUSTRALIA...** Timely rain fell recently in New Wales benefiting wheat entering the filling stage. Rainfall totaled 30-50mm in central and northern New South Wales. Variable showers maintained mostly adequate moisture for wheat in South Australia and Victoria. September rainfall was below normal across most of the wheat belt. New South Wales received only about half of normal September rainfall, creating an unfavorable drying trend for wheat development by early October. The recent rain temporarily alleviated the dryness. Below-normal September rainfall and above-normal temperatures in Western Australia have limited moisture for wheat progressing into the filling stage. Recent showers in southern portions of the crop area brought some improvement.



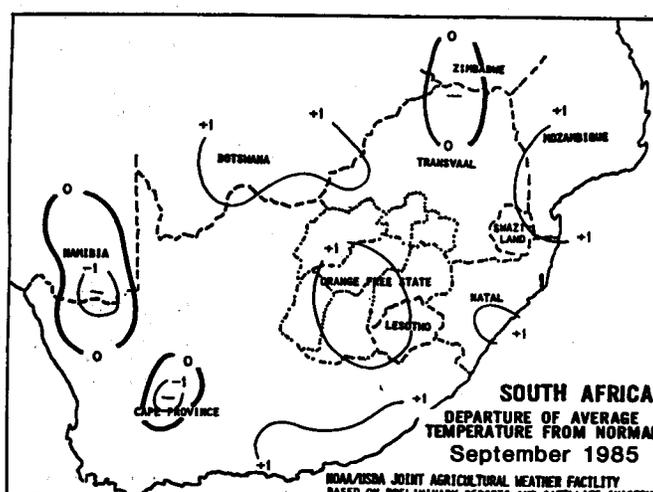
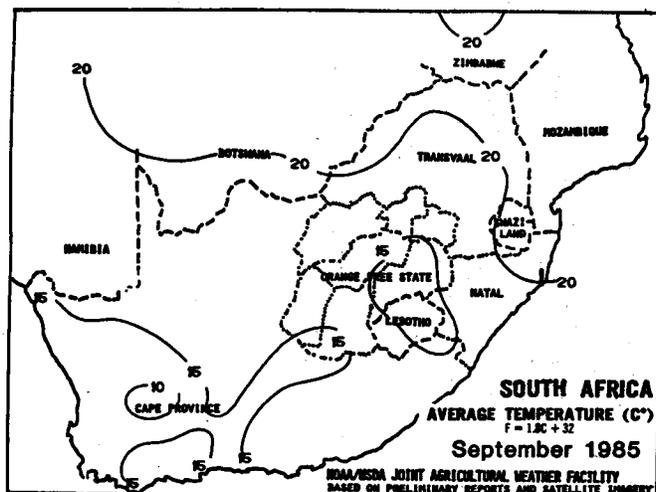
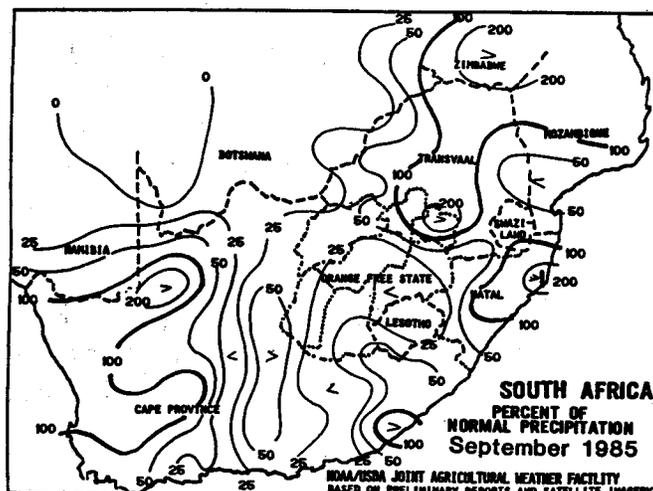
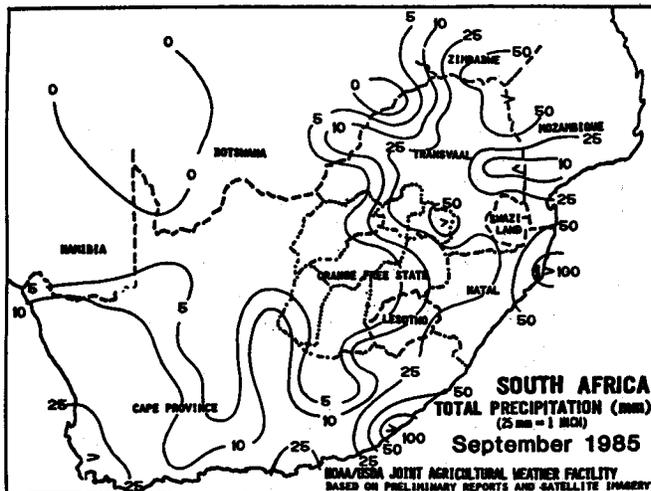
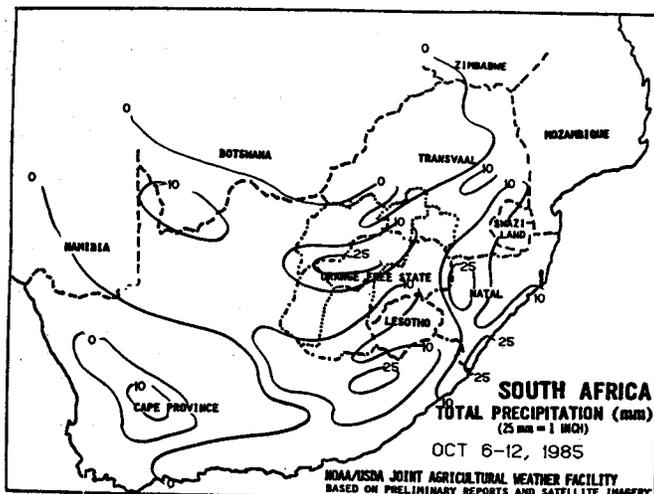
**CANADA...**Early-week snow blanketed the southern Prairies keeping fields too wet for harvesting. Milder weather late in the week melted the snowcover, but eastern crop areas likely remained too wet for substantial combining of swathed grains. Weekly temperatures averaged 5-7C below normal across the Prairies. Light precipitation (less than 5mm) fell over the northern half of the Prairie grain belt. Harvesting should have made some progress by week's end in this area. Unseasonably cool, wet September weather caused significant harvest delays and led to the quality degradation of matured and swathed grains. Well above-normal precipitation fell in southwestern Manitoba, southeastern Saskatchewan, and southern and western Alberta. September precipitation was near to below average only in northern portions of the Prairies.

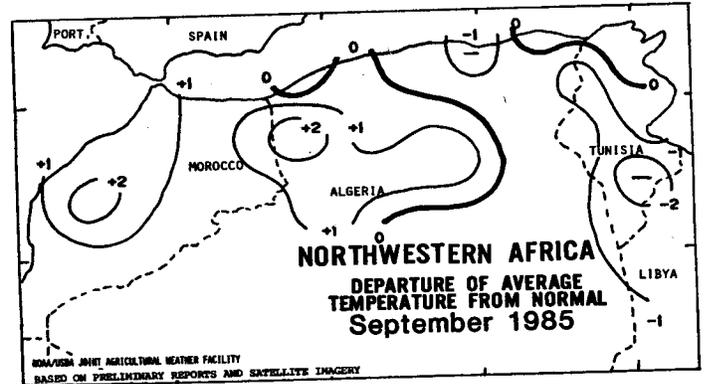
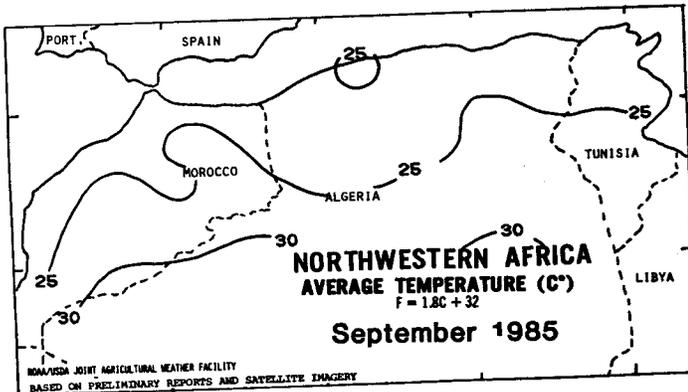
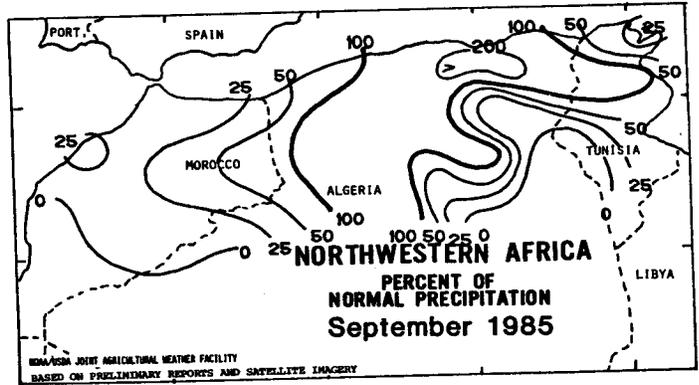
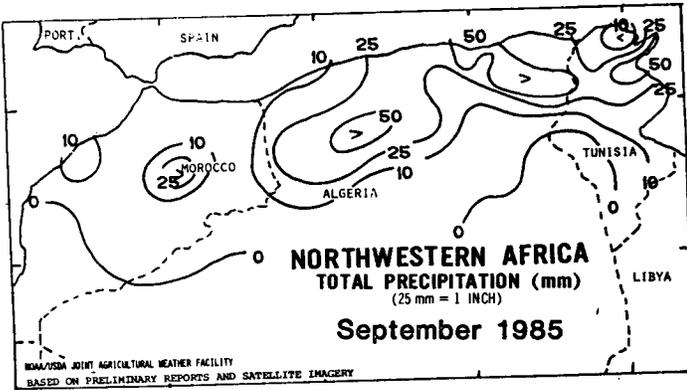


**SOUTH AMERICA...** In Argentina, weekly rainfall increased from west to east across the crop areas. Moisture is generally adequate for wheat, entering the heading phase of development, and for summer crop planting. Above-average September rainfall in all crop areas boosted crop prospects, following earlier dryness. Monthly temperatures were mostly seasonal, benefiting wheat growth. In Brazil, light showers fell in Rio Grande do Sul where seasonal September rains benefited wheat, following earlier excess wetness. Some rain fell recently in more northern crop areas, improving topsoil moisture for summer crop planting following the long dry season. September rains were much below average extending from Parana northward to Goias where, this past week, beneficial rainfall averaged 25-90mm.



**SOUTH AFRICA...**The major corn producing region, the Malze Triangle, is comprised of the Orange Free State and the Transvaal. About half of the total corn production comes from West Transvaal and the northwest Orange Free State. The rainy season normally begins in October and planting takes place from October into early December. September rainfall was above normal in the eastern Malze Triangle but below normal in the remaining corn region. Recently, scattered showers fell in the area, but corn planting will require additional moisture.





MEXICO...Based on satellite data, significant rainfall in Mexico was mostly associated with Hurricane Waldo. The storm moved inland along the southern portion of the west coast farming the region, in the vicinity of Cullacan. Rain, from the remnants of the hurricane, extended northeastward benefiting some mountain watersheds and northern grazing lands. Showers may have slowed late cotton harvesting in the north-central crop region. Locally heavy rain

and high winds likely occurred along the west coast before the hurricane dissipated as it moved inland. Soybeans may have been damaged, but the moisture will benefit winter crop planting. Showers likely occurred in western corn areas, but mostly dry weather prevailed in eastern portions. Scattered tropical showers also occurred across southern Mexico to the Yucatan peninsula.

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(Continued from front cover)

eastern Carolinas. Rain fell through much of the Pacific Northwest. Fair weather extended over the Southwest and much of the Southeast.

SATURDAY...Some rivers in Missouri and Oklahoma remained above flood stage, but the heaviest rains moved northeastward into Michigan, northern Ohio, and northern Illinois. Scattered rain and snow showers occurred over the northern half of the Rockies. Cooler air moved into the Pacific Northwest.

(Continued from p. 17)

excellent. Corn 1% very poor, 5% poor, 18% fair, 62% good, 14% excellent; mature 90%, 100% 1984, 98% avg.; harvested 9%, 17% 1984, 10% avg.; silo filling 47%, 81% 1984, 63% avg. Soybeans harvested 6%, 26% 1984, 15% avg. Cranberry harvest in full swing. Apple harvest near completion. Fall plowing 14% complete, 20% 1984, 19% avg. Pasture 90% of normal, 86% 1984, 89% avg.

WYOMING: Average temperatures below normal; highs 60s, lows teens. Precipitation above normal upper, lower plateau, snake drainages.

Days suitable for fieldwork 4.0. Topsoil moisture 17% short, 74% adequate, 9% surplus. Corn silage 90% harvested, 95% 1984. Corn for grain 20% harvested, 45% 1984, 20% avg. Sugarbeets 40% dug, 40% 1984, 25% avg.; sugar content 15.1%, 15.6% 1984. Dry beans 85% combined, 85% 1984. Winter wheat 100% planted, 95% 1984, 95% avg.; 90% emerged, 90% 1984, 85% avg. Winter wheat 15% poor, 65% fair, 20% good. Hay supplies 45% short, 50% adequate, 5% surplus. Livestock 5% poor, 35% fair, 60% good. Movement from summer ranges continued.

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