

WEEKLY WEATHER AND CROP BULLETIN

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

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

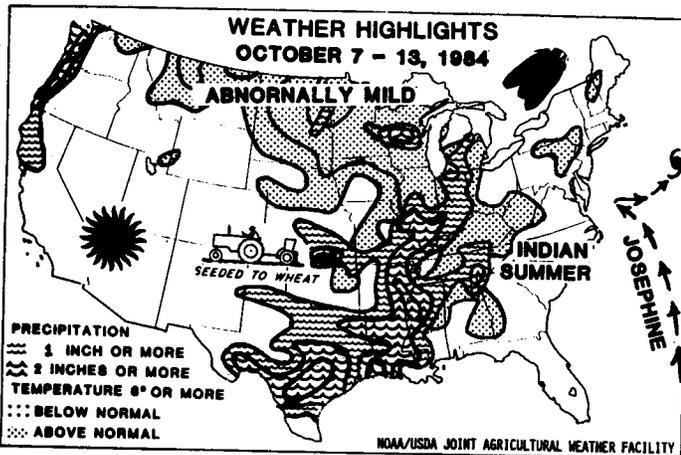
Volume 71, No. 41

WASHINGTON, D.C.

Oct. 16, 1984

National Weather Summary

October 7 to 13



It was warm in most of the East and somewhat warmer in the West; however, morning temperatures were quite cold in many of the Mountain and Plateau regions.

WEDNESDAY...A cold front pushed showers over the Pacific Northwest and into California as far south as San Francisco. Showers and thunderstorms scattered through the Plains and the Mississippi Valley. Thunderstorms produced some heavy downpours in south central Texas and moderate rain in northern Arkansas and southeastern Missouri.

THURSDAY...The West's cold front spread showers over all of the west coast, over the central Plateau, and into the northern Rockies. Showers and thunderstorms scattered through the southern Plains and the middle Mississippi Valley. Hurricane Josephine was well off the southeastern coast and moving northward.

FRIDAY...An intense low pressure system off the Northwest coast pounded the coastline with high winds, heavy surf, and rain. Showers fell throughout the Northwest, and snow covered the Rockies. Showers and thunderstorms covered the central and southern Plains and the middle Mississippi Valley. Intense thunderstorms brought deluges of rain to south central Kansas.

SATURDAY...Showers continued in the Northwest, the central and northern Plateau, and the northern Rockies. Showers and thunderstorms developed throughout the Plains. Heavy rain occurred in east central Texas, southern Illinois, and in parts of Minnesota. Hurricane Josephine, off the central east coast, brought gale force winds.

HIGHLIGHTS: Showers and thunderstorms covered the area from the Plains to the Appalachians. The rain was especially beneficial in the central and southern Plains, where newly planted grain needed moisture. Heavy downpours caused some local flooding in parts of south central Texas and Kansas. A winter-like storm off the Northwest coast brought high winds and showers to the coastline and some snow to the higher elevations of the Cascades and Rockies. Hurricane Josephine moved northward off the east coast and, by the end of the week, brought heavy surf and gale winds to the coast from the Carolinas to New Jersey. Average temperatures were warmer than normal over most of the Nation, especially the northern Plains and Lakes area.

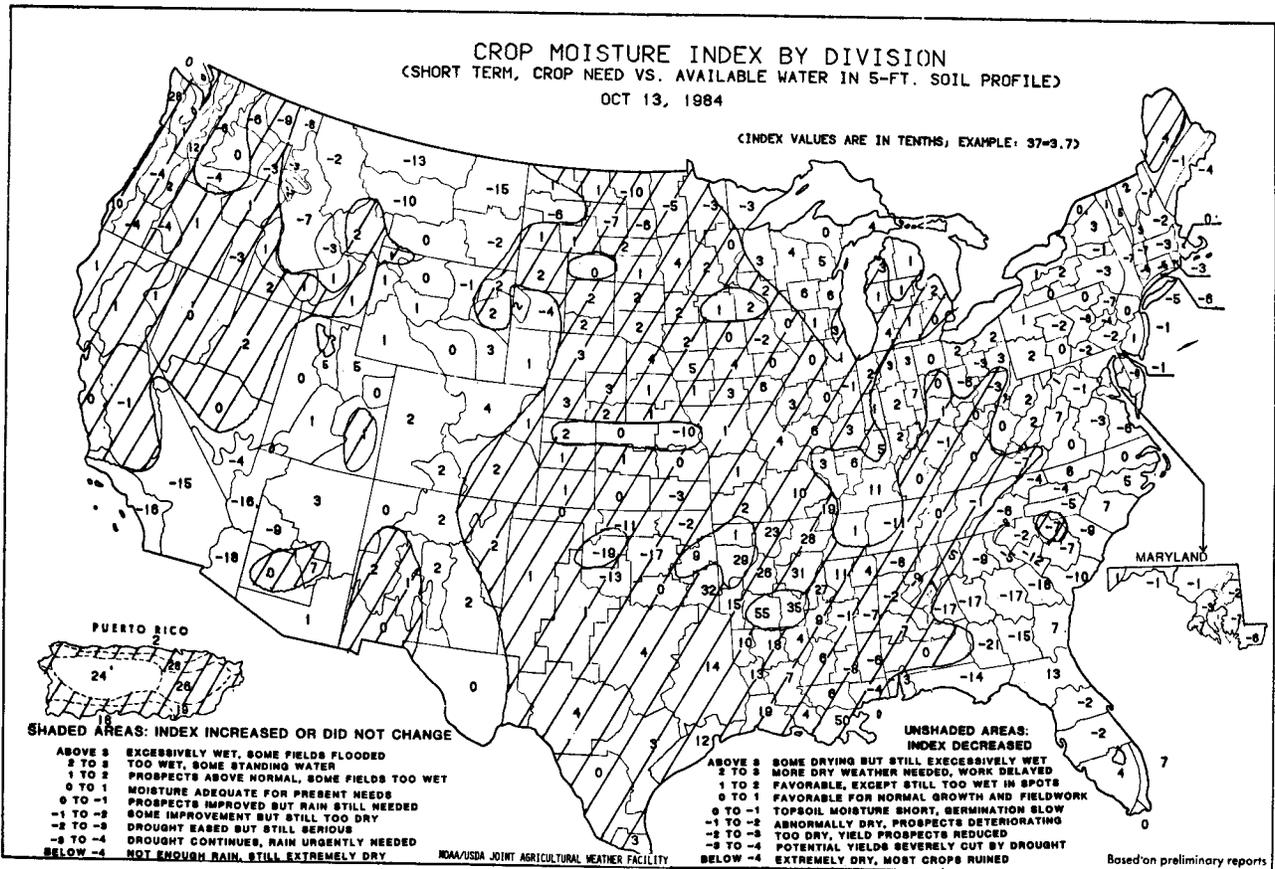
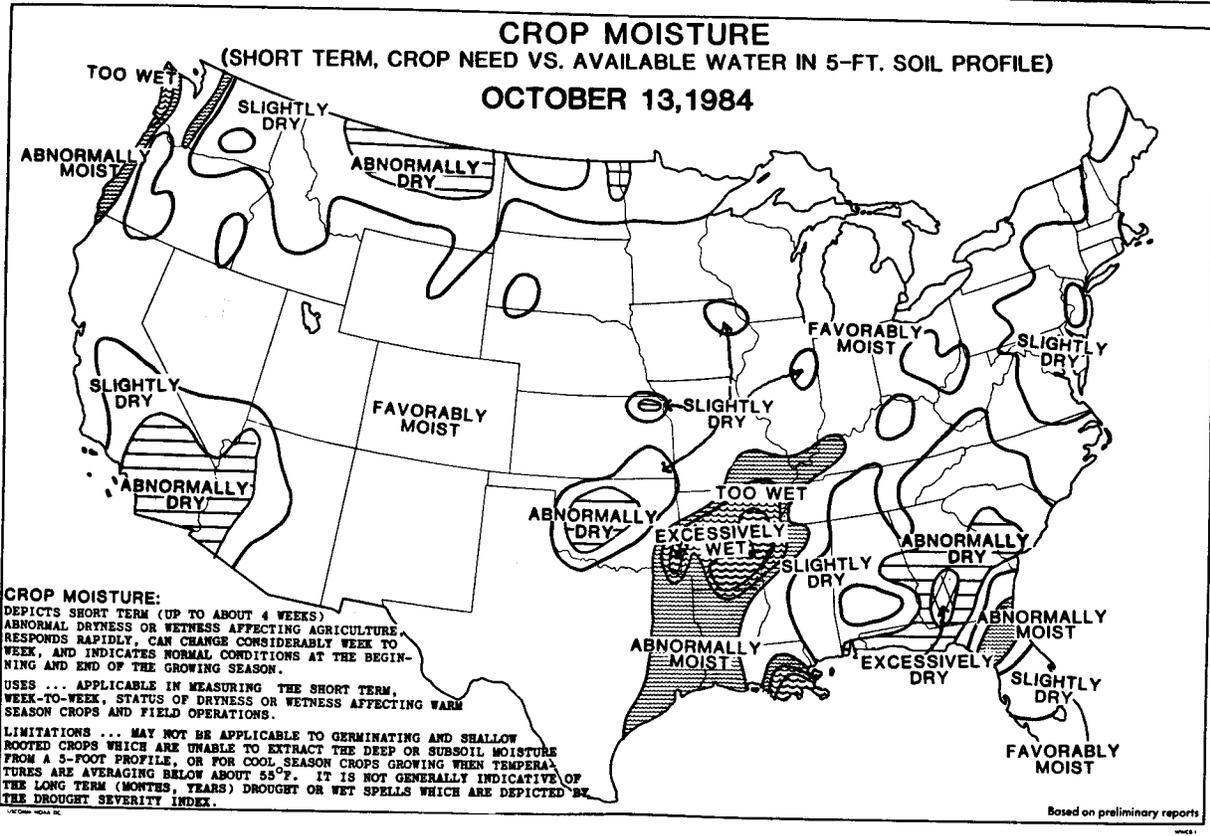
SUNDAY...Showers fell from southeastern Texas to the Tennessee and Ohio Valleys, the Great Lakes region, and the upper Mississippi Valley. The showers were mostly light, but moderate rain fell from northeastern Louisiana to southern Michigan. It was another freezing morning in New England, but a warming trend began throughout the East.

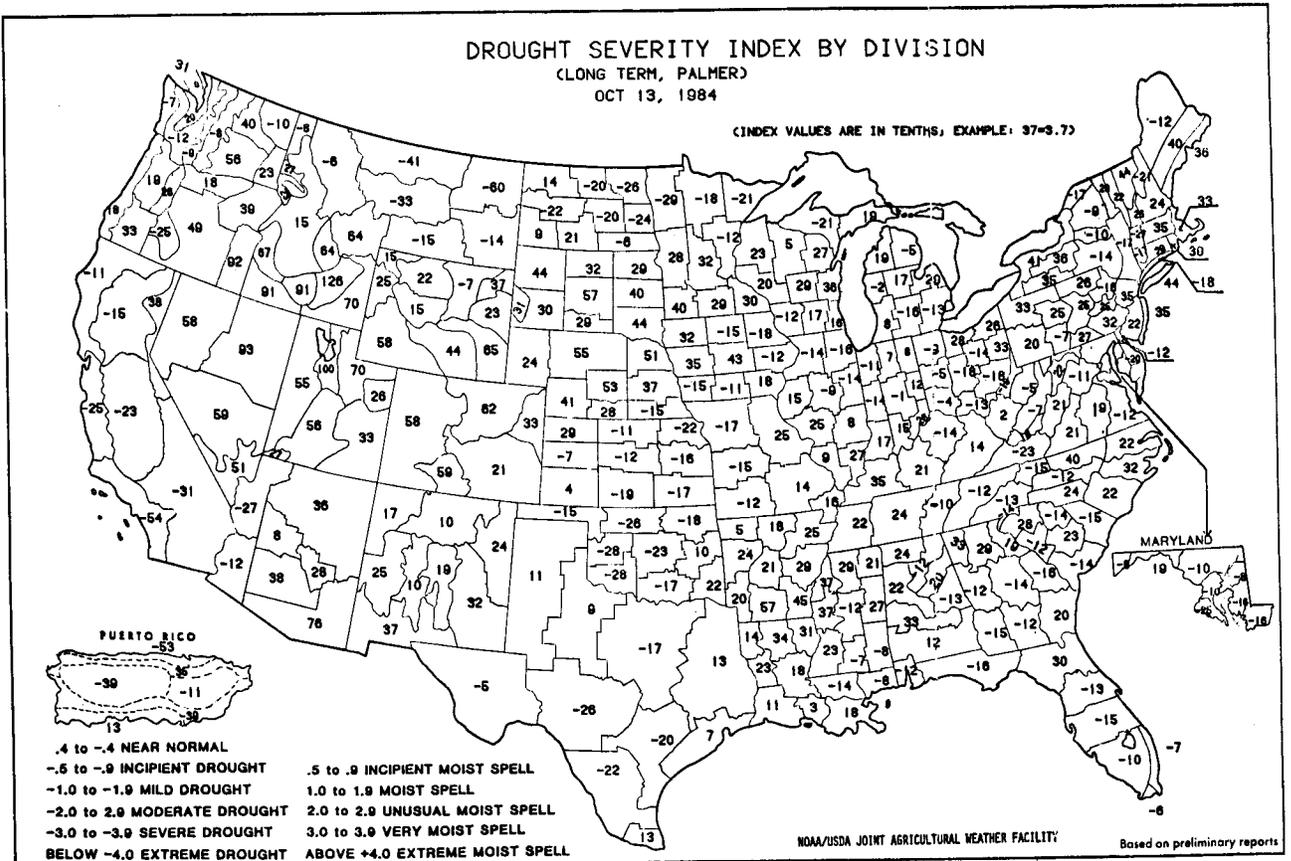
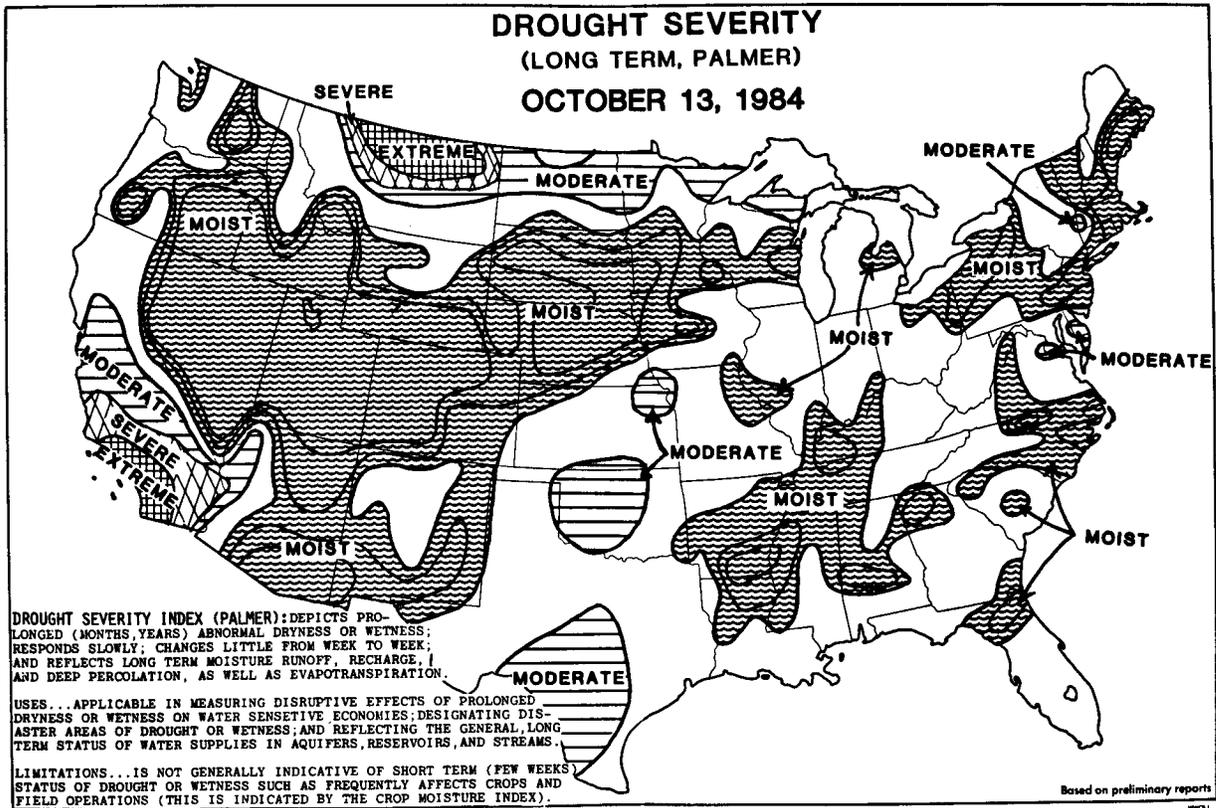
MONDAY...Light showers fell from the lower and middle Mississippi Valley to the Appalachians, and over all of the Northeast from Maryland northward. Light showers also covered the central Rockies through eastern Nebraska to the Great Lakes. The warming trend continued in the East but cool weather prevailed in the West over the Plateau and Rockies.

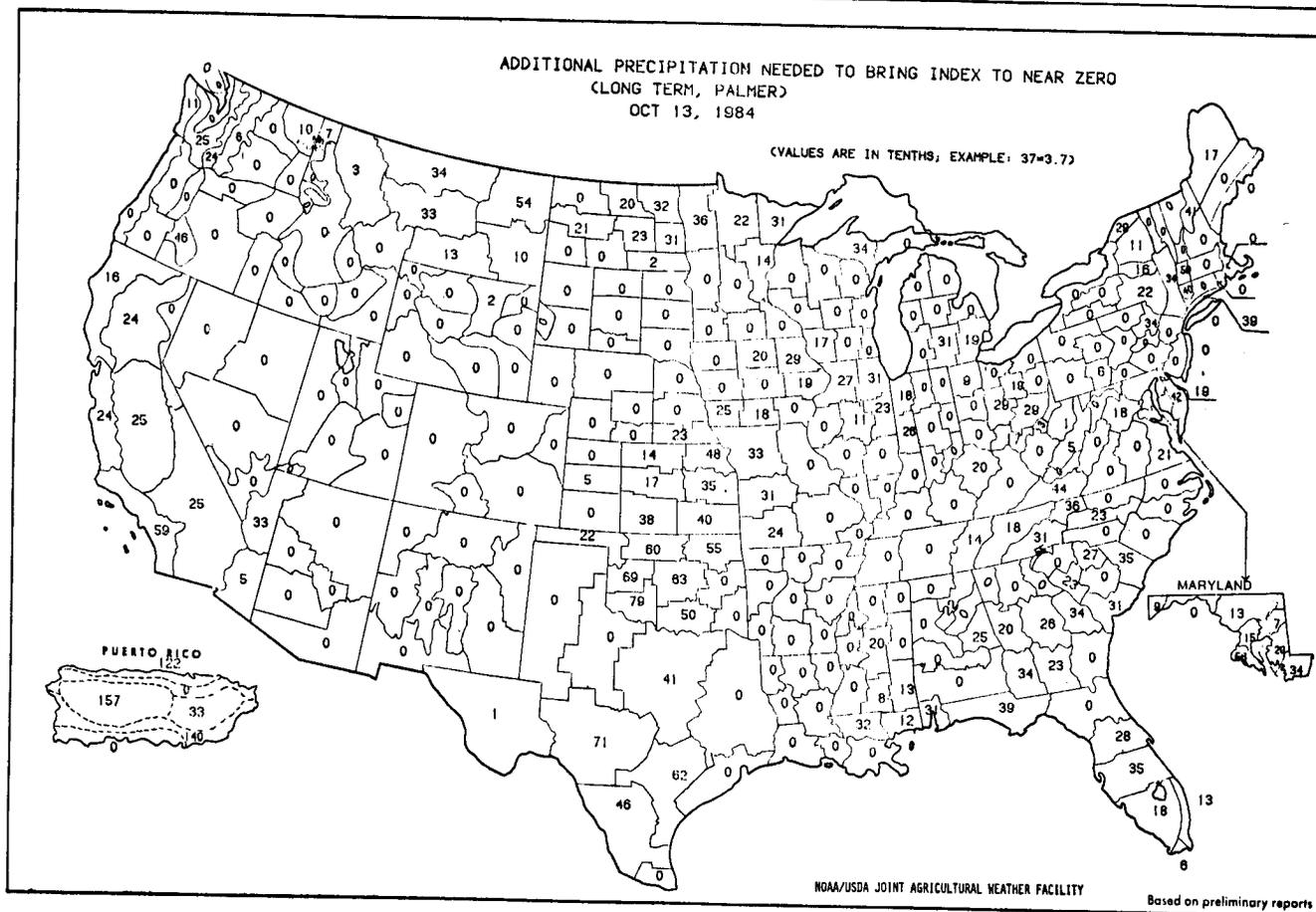
TUESDAY...Showers and thunderstorms covered most of the Plains and across the South to the southern Appalachians. Some moderate to heavy amounts of rain fell in southern Texas and the lower Mississippi Valley. A Pacific storm off the Northwest coast brought heavy rain and high winds.

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October Crop Production Highlights

CORN FOR GRAIN production is forecast at 7.50 billion bushels, down 1 percent from September 1 but up 80 percent from last year's drought-stricken crop. A crop of this size is 9 percent below the record high crop of 1982. The 90 percent confidence interval for this production forecast is 7.00 to 7.99 billion bushels.

SORGHUM GRAIN production forecast at 807 million bushels, down one percent from September 1 but up 68 percent from last year.

FEED GRAIN production (corn, sorghum, oats and barley combined) is expected to total 231 million metric tons, up 70 percent from 1983 but down 8 percent from 1982.

SOYBEAN production is forecast at 1.97 billion bushels, 3 percent less than September 1, 21 percent above last year but 10 percent below 1982. The 90 percent confidence interval for this 1984 production forecast is 1.84 to 2.10 billion bushels.

QUILSEED production (soybeans, cottonseed, peanuts,

flaxseed and sunflower combined) is expected to total 62.3 million metric tons, up 23 percent from last year.

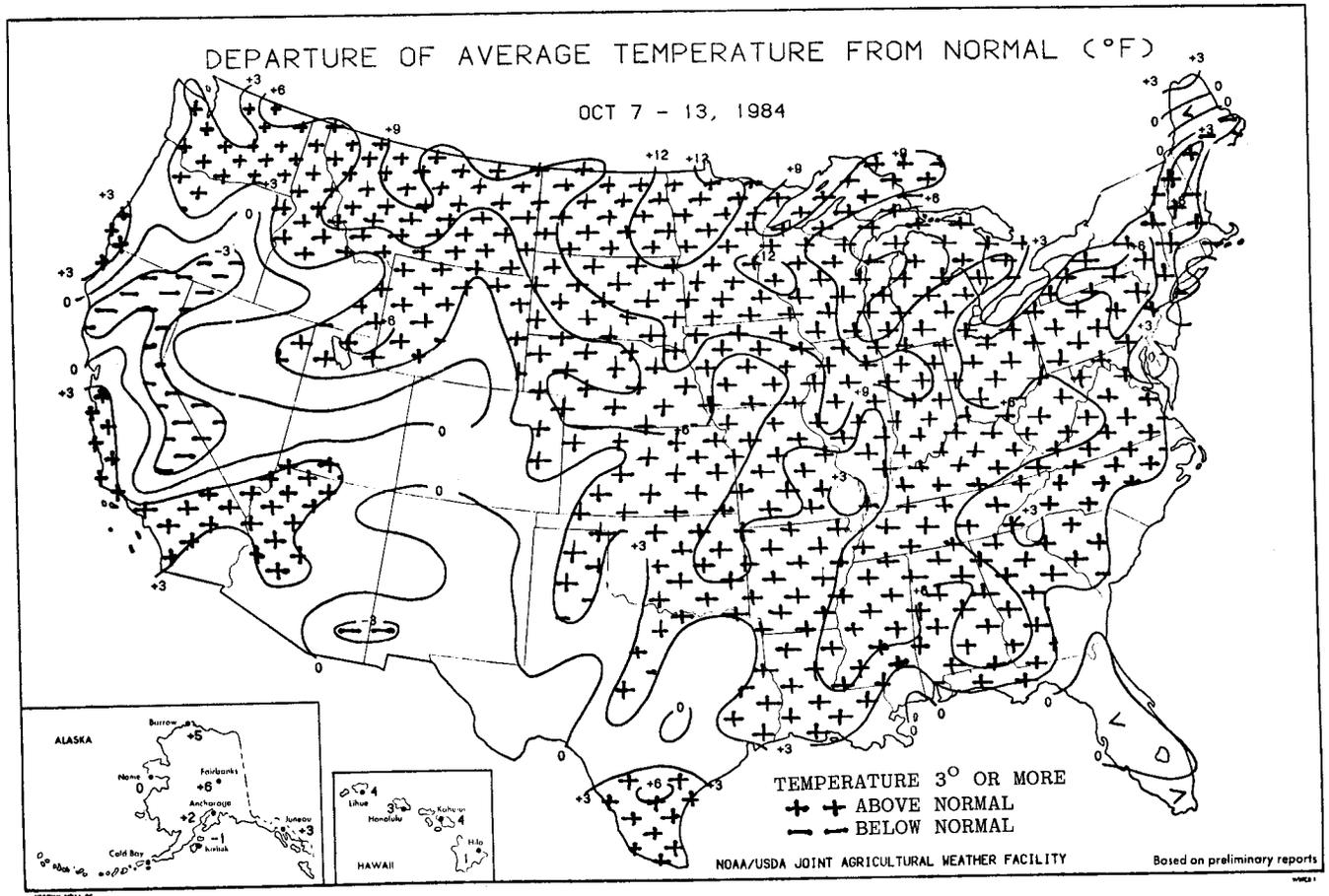
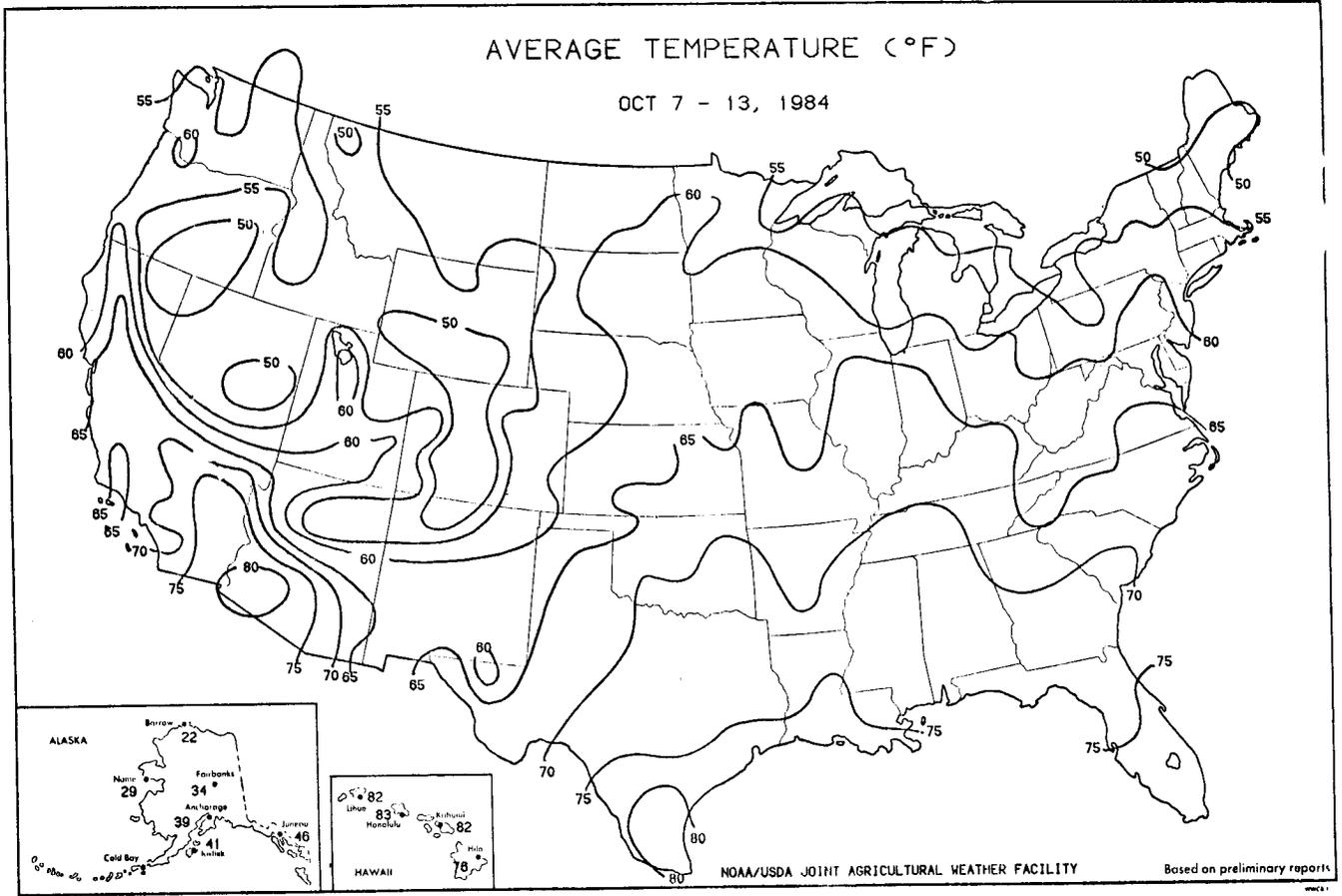
FOOD GRAIN production (wheat, rice and rye) now totals 77.1 million metric tons for 1984, up 9 percent from last year.

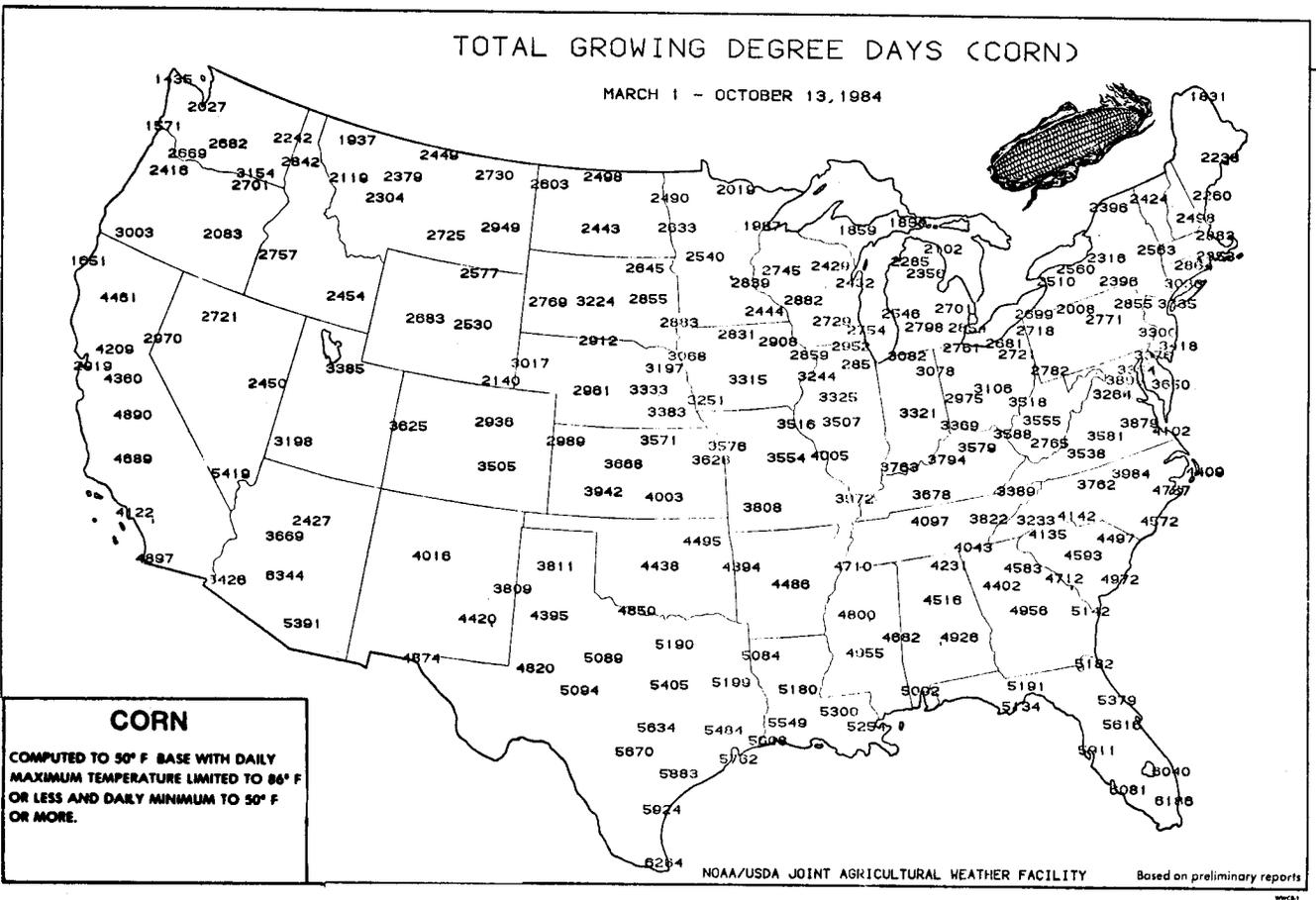
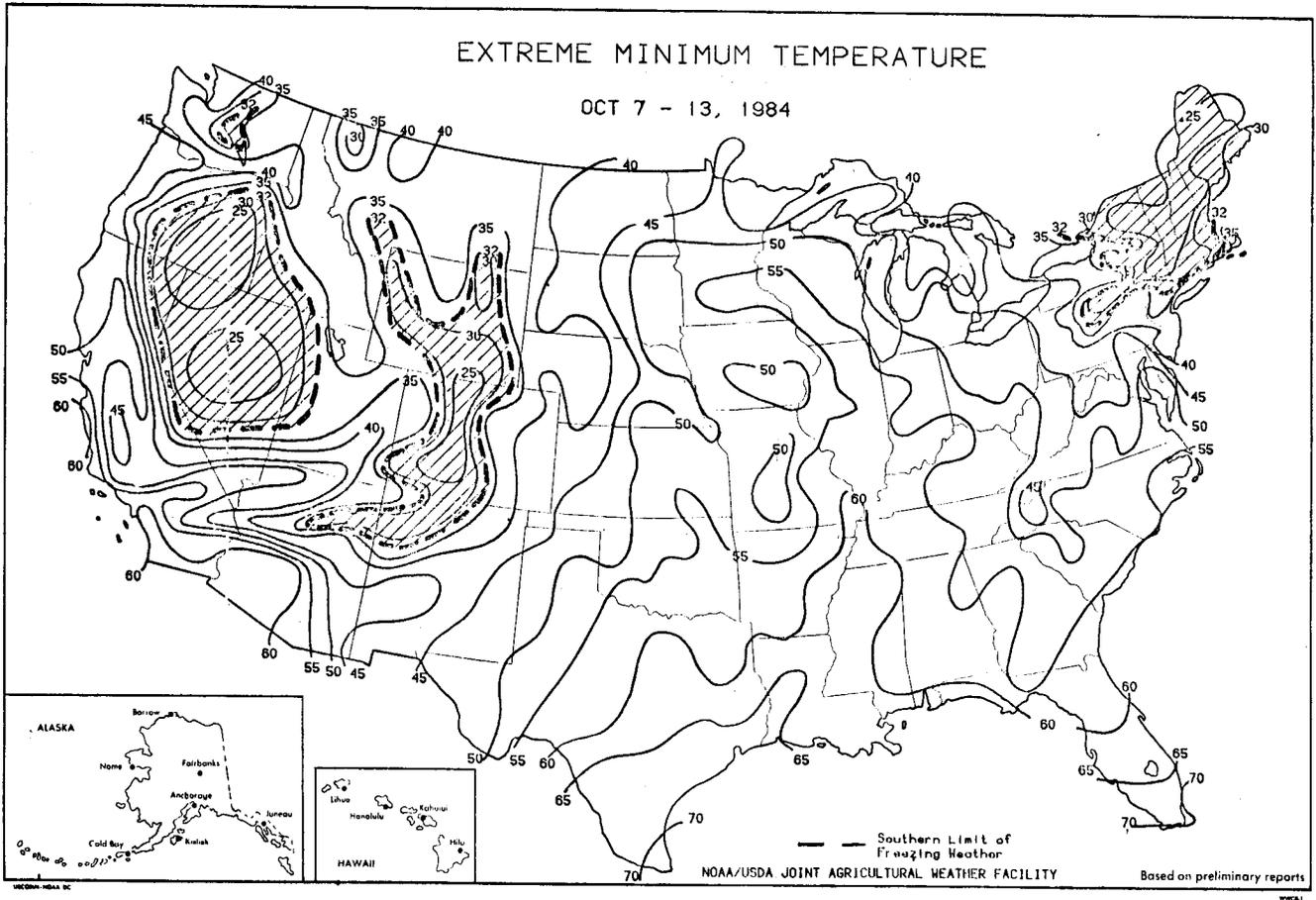
ALL COTTON production is forecast at 13.3 million bales, 71 percent above last year and 11 percent more than 1982 production. The 90 percent confidence interval for this production forecast is 12.0 to 14.5 million bales.

FALL POTATO production is forecast at 310 million cwt, up 5 percent from last year and fractionally above 1982.

ORANGE production (excluding Texas) is forecast at nearly 184 million boxes, 10 percent above last season, but 16 percent less than 1982-83.

PEANUT production is forecast at a record high 4.30 billion pounds, 31 percent above 1983 and 1 percent above the September 1 forecast.





Weather Data for the Week Ending OCTOBER 13, 1984

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION								RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	PRECIPITATION		
																		.01 INCH OR MORE	.50 INCH OR MORE	
AL BIRMINGHAM	82	62	88	57	72	7	.4	-.2	.3	.5	9	34.3	77	85	46	0	0	2	0	
MOBILE	84	63	85	60	73	3	.2	-.4	.2	.9	12	44.0	81	89	48	0	0	1	0	
MONTGOMERY	87	62	88	56	74	7	.3	-.2	.2	1.1	19	40.8	101	88	40	0	0	2	0	
AK ANCHORAGE	44	34	47	29	39	2	.8	.4	.5	3.4	103	13.1	108	90	70	0	0	4	1	
BARROW	25	19	28	16	22	5	.1	-.1	.1	.3	33	3.6	89	94	80	0	0	2	0	
FAIRBANKS	39	29	44	27	34	6	.2	0	0	.4	24	8.1	94	98	73	0	0	3	0	
JUNEAU	51	41	55	33	46	3	3.2	1.3	1.5	7.5	77	42.3	108	99	77	0	0	6	3	
KODIAK	48	33	51	26	41	-1	.1	-2.3	.1	10.8	90	57.2	102	84	50	0	0	1	0	
NOME	35	24	37	19	29	0	.1	-.2	0	1.7	58	12.5	99	93	60	0	0	7	0	
AZ PHOENIX	90	67	94	63	79	3	0	-.1	.1	3.7	411	11.3	209	61	24	4	0	2	0	
FRESNCO	75	45	79	41	60	3	0	-.3	0	2.1	107	11.6	76	75	31	0	0	0	0	
TUCSON	85	58	88	55	71	-1	0	-.2	0	2.2	126	11.4	124	62	22	0	0	0	0	
YUMA	94	67	101	65	81	2	0	-.1	0	.1	21	4.1	209	59	22	5	0	0	0	
AR FORT SMITH	80	61	84	59	70	6	.7	0	.5	10.1	221	31.6	100	95	56	0	0	3	1	
LITTLE ROCK	78	63	84	60	70	5	1.6	1.0	.7	9.8	197	37.5	102	98	79	0	0	4	1	
CA BAKERSFIELD	80	55	90	47	67	-3	.1	0	.1	.1	25	1.4	33	77	33	1	0	1	0	
EUREKA	66	52	69	48	59	4	2.0	1.5	1.6	2.8	164	19.6	80	93	63	0	0	4	1	
FRESNO	81	56	90	50	68	2	.4	.3	.4	.4	130	2.5	34	77	36	1	0	1	0	
LOS ANGELES	74	63	79	60	68	1	T	0	T	.1	64	2.1	24	81	47	0	0	0	0	
RED BLUFF	77	54	86	50	65	-2	.8	.7	.8	1.0	134	5.8	42	87	35	0	0	1	0	
SACRAMENTO	79	58	86	54	69	3	.4	.3	.3	.5	98	3.5	31	79	33	0	0	2	0	
SAN DIEGO	76	67	82	63	71	3	.1	0	-.1	.1	19	1.5	23	87	66	0	0	1	0	
SAN FRANCISCO	72	56	81	54	64	3	.8	.6	.6	.9	173	5.0	39	94	52	0	0	2	1	
CO DENVER	70	44	76	38	57	3	T	-.2	T	2.2	134	14.1	105	78	27	0	0	1	0	
GRAND JUNCTION	71	46	77	37	58	1	.4	.1	.4	2.3	219	10.1	160	75	32	0	0	1	0	
PUEBLO	74	42	80	39	58	1	T	-.2	T	1.4	129	15.5	161	96	33	0	0	1	0	
CT BRIDGEPORT	66	50	71	35	58	1	.1	-.7	.1	2.1	47	35.6	111	89	60	0	0	1	0	
HARTFORD	70	43	80	26	57	3	0	-.8	0	2.2	41	36.0	105	86	40	1	0	0	0	
DC WASHINGTON	72	58	77	52	65	4	0	-.7	T	3.8	84	31.2	99	92	59	0	0	0	0	
FL APALACHICOLA	82	63	84	59	73	1	0	-.8	0	1.2	12	51.6	110	97	57	0	0	0	0	
DAYTONA BEACH	83	69	85	60	76	1	.4	-.8	.3	11.4	128	42.5	102	82	55	0	0	2	0	
JACKSONVILLE	79	62	82	57	71	0	.1	-.8	.1	12.3	137	44.0	94	97	60	0	0	1	0	
KEY WEST	82	76	84	74	79	-2	T	T	T	7.4	85	36.8	115	79	63	0	0	1	0	
MIAMI	85	70	87	69	78	-1	.6	-.2	.3	11.5	100	54.0	109	93	51	0	0	3	0	
ORLANDO	84	65	85	60	75	-1	T	-.7	T	6.2	89	41.5	97	98	52	0	0	0	0	
TALLAHASSEE	88	61	89	53	74	4	.2	-.6	.2	2.6	33	51.4	93	93	38	0	0	0	0	
TAMPA	85	66	87	63	75	-1	0	-.6	0	4.2	57	31.2	75	92	50	0	0	2	0	
GA ATLANTA	84	70	86	65	77	-1	.1	-.9	.1	8.4	64	53.3	106	90	57	0	0	1	0	
AUGUSTA	84	56	86	60	69	5	0	-.5	.1	.1	7	41.4	112	83	33	0	0	0	0	
MACON	83	58	86	52	70	3	0	-.5	0	.4	8	39.9	107	96	46	0	0	0	0	
SAVANNAH	82	62	85	56	72	3	0	-.6	0	7.3	116	46.0	104	89	46	0	0	0	0	
HI HILO	83	69	84	67	76	1	.2	-.8	.2	4.4	43	67.2	71	85	59	0	0	1	0	
HONOLULU	90	75	92	72	83	3	T	-.3	T	1.4	109	6.4	41	80	48	5	0	1	0	
KAHULUI	92	72	93	68	82	4	T	-.1	T	0	0	6.8	48	78	45	6	0	0	0	
LIHUE	86	78	89	75	82	4	T	-.1	T	2.7	68	13.2	44	75	59	0	0	0	0	
ID BOISE	70	44	85	34	57	3	.6	.4	.5	1.3	149	10.0	116	72	28	0	0	2	0	
LEWISTON	69	48	85	40	59	5	.4	.2	.4	.4	37	8.4	87	75	38	0	0	0	0	
POCATELLO	69	37	79	36	53	3	.4	.2	.4	.9	88	11.2	133	77	28	0	0	2	0	
IL CHICAGO	67	57	76	54	62	6	.3	-.3	.2	4.2	95	25.2	90	99	78	0	0	3	0	
MOLINE	72	56	75	51	64	8	.4	-.2	.3	2.8	56	26.8	84	96	64	0	0	4	0	
PEORIA	72	61	76	57	67	10	1.2	.6	.5	3.7	78	29.2	89	100	66	0	0	2	0	
QUINCY	73	57	76	51	65	7	.2	-.6	.1	3.7	64	28.8	89	100	74	0	0	4	0	
ROCKFORD	70	58	76	56	64	9	.5	-.2	.3	2.0	40	21.7	70	100	74	0	0	0	0	
SPRINGFIELD	74	62	80	59	68	10	2.5	1.9	2.3	7.3	175	32.1	113	96	68	0	0	4	1	
IN EVANSVILLE	76	59	80	56	68	8	1.9	1.4	.7	8.9	246	35.6	107	88	59	0	0	5	1	
FORT WAYNE	68	57	72	53	63	7	1.4	.8	1.1	4.4	123	23.5	84	96	78	0	0	3	1	
INDIANAPOLIS	72	59	76	55	66	9	1.2	.7	1.2	6.0	159	31.1	98	99	74	0	0	3	1	
SOUTH BEND	69	58	73	53	64	8	2.0	1.2	1.6	6.0	130	25.3	83	90	71	0	0	3	1	
IA DES MOINES	70	55	75	48	62	6	.9	.4	.8	4.7	116	33.8	124	100	75	0	0	2	1	
SIOUX CITY	69	56	77	53	63	8	1.2	.8	.6	2.5	76	28.0	122	94	66	0	0	5	1	
KS WATERLOO	68	56	70	53	62	9	1.8	1.2	1.4	3.3	75	27.3	94	97	76	0	0	3	1	
CONCORDIA	73	57	78	53	65	6	.2	-.3	.2	4.5	116	24.6	100	96	64	0	0	2	0	
DODGE CITY	75	56	83	46	66	5	.3	-.1	.1	1.6	64	14.7	79	94	52	0	0	2	0	
GOODLAND	69	50	74	41	60	5	.1	-.1	.1	1.9	104	18.7	126	97	53	0	0	1	0	
TOPEKA	73	56	77	52	65	5	.3	-.4	.2	5.7	121	32.4	112	99	61	0	0	3	0	
WICHITA	76	57	81	52	67	5	.8	.2	.3	3.0	65	20.6	83	92	52	0	0	4	0	
KY BOWLING GREEN	76	58	81	52	67	7	1.0	.3	1.0	4.0	92	43.3	111	100	61	0	0	1	0	
LEXINGTON	74	58	78	55	66	7	.4	-.1	.2	1.7	40	28.7	77	97	61	0	0	2	0	
LOUISVILLE	74	60	79	55	67	8	.6	0	.6	4.3	98	35.8	102	95	68	0	0	1	1	
LA ALEXANDRIA	82	68	85	65	75	5	1.5	.7	1.4	4.5	105	47.8	112	90	60	0	0	3	1	
BATON ROUGE	83	66	84	63	74	4	3.8	3.2	3.2	6.2	111	34.1	75	94	57	0	0	4	1	
LAKE CHARLES	84	67	85	64	75	4	5.7	4.9	2.4	12.5	184	48.5	114	100	63	0	0	4	3	
NEW ORLEANS	83	65	84	61	74	3	1.1	.5	1.0	4.8	68	44.9	91	92	57	0	0	3	1	

+100 = NORMAL & ACTUAL NEAR THE SAME

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending OCTOBER 13, 1984

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	81	65	85	62	73	5	3.0	2.5	.8	7.4	170	33.8	97	100	66	0	0	6	4
ME CARIBOU	60	37	68	25	48	3	.3	-4	.3	2.9	60	29.9	60	91	45	0	0	1	0
PORTLAND	62	38	72	25	50	0	0	-8	-8	2.8	58	29.7	123	92	53	0	2	0	0
MD BALTIMORE	70	52	76	48	61	2	1.1	1.1	1.1	3.5	74	31.4	93	85	54	0	0	0	0
SALISBURY	71	51	77	37	61	2	2	1.9	1.9	1.1	19	36.4	99	98	52	0	0	2	0
MA BOSTON	61	47	70	36	54	2	0	0	0	4.9	104	44.1	133	89	58	0	0	0	0
CHATHAM	63	49	67	39	56	-2	1	0	0	5.7	109	43.4	123	81	51	0	0	0	0
MI ALPENA	61	46	68	36	53	4	0	0	0	4.1	109	23.9	102	100	79	0	0	2	0
DETROIT	65	52	68	45	59	5	5	0	0	3.0	96	19.4	78	93	72	0	0	0	0
FLINT	66	50	71	42	58	6	5	0	0	3.2	99	21.6	91	99	72	0	0	2	0
GRAND RAPIDS	67	53	70	45	60	7	1.4	.8	1.3	3.8	87	19.7	72	97	76	0	0	3	0
HOUGHTON LAKE	64	49	69	40	57	8	5	-1	-1	2.2	59	20.8	92	100	70	0	0	0	1
LANSING	67	49	70	41	58	5	7	.2	.7	3.3	96	20.4	85	99	70	0	0	3	0
MARQUETTE	61	48	68	42	54	8	4	-4	-3	4.7	87	25.8	86	97	75	0	0	2	1
MUSKEGON	66	52	71	44	59	6	5	-1	-1	2.2	55	20.6	84	96	77	0	0	2	0
SAULT STE. MARIE	61	44	69	37	53	5	5	-4	-3	5.7	111	23.2	89	99	72	0	0	3	0
MN ALEXANDRIA	65	55	74	52	60	11	1	1	1	2.3	73	23.3	107	97	73	0	0	0	0
DULUTH	58	50	70	45	54	7	3	0	0	4.2	98	19.3	76	95	81	0	0	4	0
INT'L FALLS	66	48	73	35	57	12	3	0	0	2.5	60	16.3	76	97	67	0	0	0	0
MINNEAPOLIS	66	57	72	55	62	10	3	0	0	3.2	96	29.1	125	90	69	0	0	3	0
ROCHESTER	65	57	68	53	61	10	7	0	0	3.4	85	21.9	88	95	81	0	0	5	0
MS GREENWOOD	80	66	84	63	73	7	4.0	3.4	2.6	6.3	143	37.8	91	99	65	0	0	2	2
JACKSON	82	65	86	60	73	7	1.4	.8	.7	2.3	50	34.7	83	100	60	0	0	3	2
MERIDIAN	84	63	88	56	73	7	3	0	0	1.1	24	36.0	84	93	52	0	0	3	0
MO CAPE GIRARDEAU	75	62	80	60	69	1	2.3	1.8	1.5	7.3	155	28.3	79	100	71	0	0	5	1
COLUMBIA	73	56	75	49	64	5	7	-2	-2	6.5	126	38.2	126	99	68	0	0	3	0
KANSAS CITY	74	56	78	50	65	5	2	-6	-1	3.9	69	28.4	93	99	62	0	0	4	0
SAINT LOUIS	73	62	78	56	68	8	3.2	2.2	2.2	12.4	336	37.8	135	100	79	0	0	6	1
SPRINGFIELD	74	59	80	50	67	6	3	-4	-4	5.5	97	29.1	90	92	62	0	0	4	0
MT BILLINGS	70	44	78	41	57	5	5	0	0	1.4	81	8.5	66	73	28	0	0	1	0
GLASGOW	71	44	78	38	58	9	0	0	0	.8	68	5.4	51	80	30	0	0	0	0
GREAT FALLS	73	46	82	40	59	9	0	-2	-2	.6	44	9.4	71	63	23	0	0	0	0
HAVRE	74	38	82	33	56	7	7	0	0	.7	62	5.1	51	76	26	0	0	1	0
HELENA	70	40	77	37	55	8	8	0	0	.9	80	7.6	77	78	28	0	0	0	0
KALISPELL	64	36	75	32	50	5	2	0	0	2.4	165	11.4	92	88	40	0	2	2	0
MILES CITY	70	45	83	35	57	5	6	0	0	.7	51	7.5	61	84	31	0	0	0	0
MISSOULA	65	38	75	36	52	6	2	0	0	1.0	74	11.0	102	96	41	0	0	3	0
NE GRAND ISLAND	70	54	77	50	62	7	7	-1	-1	1.5	49	26.7	125	93	57	0	0	1	0
LINCOLN	71	55	78	49	63	6	4	0	0	3.0	80	30.7	125	95	63	0	0	3	0
NORFOLK	71	56	80	54	64	9	1.4	1.0	0.7	2.9	106	28.9	133	86	57	0	0	4	2
NORTH PLATTE	69	50	76	39	59	7	7	0	0	1.5	72	18.4	102	82	49	0	0	0	0
OMAHA	69	55	77	50	62	6	6	0	0	5.1	117	30.0	111	93	74	0	0	4	0
SCOTTSELUFF	73	43	80	37	58	6	0	-4	0	1.1	72	11.9	90	82	25	0	0	0	0
VALENTINE	68	50	80	38	59	7	1	0	0	.6	35	18.0	113	89	53	0	0	1	0
NV ELY	66	33	75	24	50	2	2	-4	-3	4.7	493	12.6	171	88	35	0	2	1	0
LAS VEGAS	85	59	90	52	72	2	0	0	0	.5	124	4.2	129	39	15	2	0	0	0
RENO	70	37	80	29	54	2	1	0	0	.2	40	2.1	38	77	26	0	1	0	0
WINNEMICCA	71	34	81	26	52	2	3	0	0	1.4	239	9.7	164	79	22	0	3	2	0
NH CONCORD	69	38	80	22	54	4	0	-7	0	4.2	97	35.6	129	92	44	0	1	0	0
NJ ATLANTIC CITY	70	49	75	35	60	3	0	-7	0	2.0	49	33.9	103	91	53	0	0	0	0
NM ALBUQUERQUE	72	47	76	40	60	0	0	-1	-1	2.3	190	8.3	123	84	30	0	0	2	0
CLOVIS	74	53	78	50	63	3	1.5	1.1	1.4	3.3	119	20.6	135	78	41	0	0	2	1
ROSWELL	75	50	80	47	63	-1	1	0	0	1.6	71	14.1	163	74	27	0	0	1	0
NY ALBANY	69	46	73	29	58	5	0	-7	0	2.5	56	30.9	110	97	53	0	1	0	0
BINGHAMTON	67	46	72	38	57	6	0	0	0	2.5	54	31.8	109	91	54	0	0	0	0
BUFFALO	64	46	66	40	55	2	0	-6	-6	4.2	93	30.5	107	97	69	0	0	1	0
NEW YORK	69	57	74	48	63	4	4	0	0	3.2	67	42.4	126	84	56	0	0	0	0
ROCHESTER	66	48	72	38	57	4	1	-5	0	3.6	98	28.4	115	96	67	0	0	3	0
SYRACUSE	63	45	70	29	54	1	1	-7	-7	3.1	68	28.4	92	98	75	0	1	1	0
NC ASHEVILLE	72	51	78	43	61	4	4	0	0	.2	4	39.1	100	100	59	0	0	0	0
CHARLOTTE	77	57	80	52	67	5	5	0	0	1.7	36	39.7	112	92	46	0	0	1	0
GREENSBORO	74	54	78	50	64	4	4	0	0	1.2	23	45.5	130	91	48	0	0	0	0
HATTERAS	73	64	76	58	68	2	4	-8	-3	4.2	53	38.3	88	87	67	0	0	2	0
NEW BERN	77	60	80	58	68	3	0	-8	-8	14.1	192	56.0	125	86	54	0	0	0	0
RALEIGH	76	54	79	51	65	3	3	0	0	2.6	59	41.8	122	93	48	0	0	0	0
WILMINGTON	78	57	80	52	67	0	0	-7	0	19.1	270	54.9	121	97	50	0	0	0	0
ND BISMARCK	69	50	78	40	60	11	1	-1	-1	1.1	60	12.7	91	88	52	0	0	3	0
FARGO	68	56	75	46	62	13	1.7	1.4	1.4	3.3	134	14.6	83	93	68	0	0	1	0
GRAND FORKS	69	51	74	39	60	12	3	0	0	.4	16	16.4	100	91	65	0	0	3	0
WILLISTON	66	45	75	40	56	8	8	0	0	2.2	128	9.4	76	86	49	0	0	0	0
OH AKRON-CANTON	66	52	71	48	59	4	4	-1	-1	3.4	86	27.4	93	99	75	0	0	1	0
CINCINNATI	71	58	77	55	64	7	7	-3	-3	4.4	111	28.7	88	94	70	0	0	2	1
CLEVELAND	65	54	70	49	60	5	5	-4	-4	2.8	71	32.0	112	90	70	0	0	2	0
COLUMBUS	67	54	75	49	61	5	5	-2	-2	2.3	66	23.9	78	96	71	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending OCTOBER 13, 1984

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		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	69	55	75	50	62	6	.6	.2	.5	3.9	123	25.9	91	98	72	0	0	2	1
TOLEDO	65	52	70	44	59	5	.5	.1	.5	2.7	82	24.1	94	100	81	0	0	2	1
YOUNGSTOWN	65	52	72	47	58	5	T	T	T	3.2	75	29.2	97	98	75	0	0	1	0
OK OKLAHOMA CITY	79	59	83	56	69	5	.6	-1	.6	1.7	35	17.4	65	85	44	0	0	2	1
TULSA	81	61	86	56	71	6	.1	-7	.1	2.9	48	30.4	93	94	48	0	0	2	0
OR ASTORIA	63	50	71	44	57	3	3.8	2.6	1.0	7.0	130	42.6	96	88	59	0	0	6	3
BURNS	63	29	78	22	46	6	.2	0	.1	.3	28	7.6	138	100	57	0	4	4	0
MEDFORD	67	45	87	42	56	2	.6	.3	.5	1.2	90	8.8	71	100	57	0	4	5	0
PENDLETON	71	46	84	37	58	4	.4	.2	.2	.9	99	9.4	111	84	36	0	0	4	0
PORTLAND	67	53	82	48	60	4	1.6	1.0	.7	3.2	121	22.9	96	88	56	0	0	6	1
SALEM	68	50	85	45	59	4	2.1	1.4	1.1	3.5	126	26.8	105	95	61	0	0	6	1
PA ALLENTOWN	71	50	79	35	60	5	.1	-6	.1	2.0	37	44.2	126	87	52	0	0	1	0
ERIE	65	52	70	44	58	5	.1	-7	.1	5.7	107	28.7	94	92	76	0	0	2	0
HARRISBURG	71	53	78	47	62	5	.1	-6	.1	1.4	29	35.9	116	92	55	0	0	2	0
PHILADELPHIA	69	51	72	41	60	2	T	T	T	2.9	62	38.2	115	92	55	0	0	1	0
PITTSBURGH	67	51	73	42	59	5	.2	-4	.2	1.7	44	26.6	89	91	64	0	0	2	0
SCRANTON	69	51	72	37	60	7	T	T	T	1.9	42	32.0	114	92	59	0	0	2	0
RI PROVIDENCE	67	45	75	30	56	1	0	-8	0	3.6	70	41.1	119	93	42	0	1	0	0
SC CHARLESTON	79	60	81	55	70	2	T	T	T	5.2	82	42.5	95	84	54	0	0	1	0
COLUMBIA	83	54	85	48	69	4	T	T	T	.7	13	41.2	98	95	41	0	0	1	0
FLORENCE	80	56	83	51	68	2	T	T	T	1.4	27	37.7	100	98	47	0	0	1	0
GREENVILLE	76	57	82	52	67	4	T	T	T	1.4	23	51.2	123	84	47	0	0	2	0
SD ABERDEEN	70	57	79	53	63	13	1.1	.9	.8	1.8	94	18.9	116	98	67	0	0	4	1
HURON	69	56	80	52	63	11	.8	.5	.7	2.2	109	26.9	161	96	65	0	0	2	1
RAPID CITY	71	46	83	41	59	7	0	-2	0	1.3	94	14.4	96	87	39	0	0	0	0
SIoux FALLS	69	56	78	53	63	11	.3	0	.2	2.3	66	25.2	116	91	63	0	0	5	0
TN CHATTANOOGA	75	59	81	55	67	5	3.4	2.8	2.0	3.9	70	39.5	95	91	60	0	0	2	2
KNOXVILLE	77	57	83	52	67	6	.4	-2	.3	1.2	30	40.3	108	93	51	0	0	2	0
MEMPHIS	78	65	84	64	72	7	1.1	.6	.8	4.7	104	42.1	102	100	72	0	0	4	1
NASHVILLE	80	61	83	56	70	8	.4	-1	.3	1.4	30	42.5	109	91	50	0	0	3	0
TX ABILENE	79	60	83	58	70	2	.8	.2	.7	4.8	115	13.2	66	84	46	0	0	3	1
AMARILLO	77	55	80	50	66	4	.5	.2	.4	2.5	108	15.5	89	84	37	0	0	3	0
AUSTIN	79	65	85	63	72	0	5.4	4.5	1.8	6.2	120	16.2	64	99	65	0	0	6	4
BEAUMONT	83	70	86	68	77	5	6.0	5.2	4.2	10.1	130	42.5	101	100	67	0	0	3	3
BROWNSVILLE	88	74	90	72	81	4	T	T	T	19.5	277	36.7	173	94	56	1	0	0	0
CORPUS CHRISTI	85	71	89	69	78	2	3.8	2.9	2.4	6.8	87	16.9	65	99	65	0	0	4	3
DEL RIO	80	67	88	63	74	1	2.5	1.9	1.2	4.3	113	10.5	71	92	65	0	0	4	2
EL PASO	80	54	84	49	67	1	T	T	T	1.1	61	11.8	174	80	29	0	0	2	0
FORT WORTH	79	63	87	60	71	1	1.7	1.1	1.0	2.4	53	20.3	82	97	60	0	0	4	1
GALVESTON	80	72	81	68	76	1	1.3	.7	1.1	6.4	90	22.7	71	95	77	0	0	3	1
HOUSTON	84	68	87	65	76	5	2.2	1.4	1.1	6.1	92	29.4	82	90	56	0	0	3	2
LUBBOCK	79	54	84	50	67	3	.6	.1	.6	1.1	36	10.7	68	90	39	0	0	2	1
MIDLAND	79	56	83	53	67	1	.1	-3	.1	2.4	85	11.8	98	88	41	0	0	1	0
SAN ANGELO	79	60	82	57	70	1	1.3	.8	.5	4.8	118	12.6	80	97	56	0	0	4	2
SAN ANTONIO	80	66	85	64	73	1	3.6	2.9	1.4	4.8	96	17.4	73	90	61	0	0	5	3
VICTORIA	84	69	87	67	76	3	3.0	2.1	1.6	4.8	61	22.3	72	96	68	0	0	5	2
WACO	80	65	86	62	72	2	1.9	1.2	1.4	6.4	140	20.8	83	95	68	0	0	5	1
WICHITA FALLS	81	59	88	56	70	3	1.0	.4	.5	2.0	43	11.9	52	97	52	0	0	2	2
UT BLANDING	68	41	72	30	55	1	.4	0	.4	2.4	158	7.8	90	78	34	0	1	1	0
CEDAR CITY	71	41	77	34	56	2	.4	.2	.3	.7	62	11.0	134	76	27	0	0	2	0
SALT LAKE CITY	72	47	80	42	60	5	.9	.7	.5	3.0	227	16.8	140	76	29	0	0	3	0
VT BURLINGTON	62	41	71	28	52	2	.1	-6	0	4.1	94	29.4	109	90	59	0	1	2	0
VA NORFOLK	71	57	75	51	64	1	T	T	T	2.3	40	39.7	106	86	57	0	0	0	0
RICHMOND	75	54	81	49	65	4	0	-8	0	2.9	58	40.2	114	91	46	0	0	2	0
ROANOKE	74	54	78	48	64	6	.1	-7	.1	3.1	68	38.1	120	98	55	0	0	2	0
WA COLVILLE	64	44	82	39	54	6	.3	.1	.2	1.0	82	18.2	150	83	51	0	0	2	0
QUILLAYUTE	60	50	69	44	55	3	9.2	7.0	3.8	14.1	152	80.2	119	98	72	0	0	7	5
SEATTLE-TACOMA	62	50	74	45	56	3	1.6	.9	.8	2.7	84	23.4	96	93	62	0	0	6	1
SPOKANE	66	45	82	36	55	6	.2	0	.2	.8	70	11.4	99	90	43	0	0	2	0
YAKIMA	69	43	81	32	56	4	.1	0	.1	.5	116	5.8	108	77	39	0	1	2	0
WV BECKLEY	69	51	74	46	60	6	.4	-2	.3	2.3	52	32.2	93	98	58	0	0	2	0
CHARLESTON	72	56	80	51	64	7	.4	-2	.3	3.7	90	29.9	86	93	58	0	0	3	0
HUNTINGTON	72	57	77	53	64	6	.2	-4	.2	3.0	73	28.0	84	89	60	0	0	1	0
PARKERSBURG	72	58	80	51	65	8	.3	-2	.2	1.9	50	23.3	67	97	62	0	0	2	0
WI GREEN BAY	63	53	67	50	58	8	.8	.3	.8	6.6	160	28.2	119	96	78	0	0	1	1
LA CROSSE	68	59	71	58	64	10	.5	0	.3	3.3	77	25.1	95	93	71	0	0	2	0
MADISON	67	57	72	55	62	10	.4	-1	.4	3.2	80	23.9	91	98	70	0	0	3	0
MILWAUKEE	62	53	66	51	57	4	.8	.3	.7	3.0	77	26.6	104	100	88	0	0	3	1
WAUSAU	61	55	63	53	58	8	2.3	1.8	1.7	7.1	143	32.9	119	99	81	0	0	4	2
WY CASPER	69	37	74	31	53	3	0	-2	0	.6	47	11.2	115	78	24	0	2	0	0
CHEYENNE	65	37	69	32	51	1	.1	0	.1	1.8	135	16.8	139	93	32	0	1	2	0
LANDER	69	38	74	33	54	4	0	-3	0	.8	60	11.8	105	68	26	0	0	0	0
SHERIDAN	69	36	80	30	52	3	.1	-2	.1	2.0	119	12.9	100	79	26	0	1	0	0
PR SAN JUAN	89	75	92	74	82	0	1.2	-1	1.0	6.5	79	32.5	80	88	62	4	0	4	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

National Agricultural Summary

October 8 to 14

HIGHLIGHTS: Hot, dry weather caused southeastern double-cropped soybean advanced maturity. Plants were stressed and pod filling was limited. Dry conditions also delayed small grain seeding. Moderate to heavy rain benefited winter wheat seedings across most of Texas, northeastern Oklahoma, Kansas, and the Corn Belt. However, additional precipitation was needed in other wheat producing areas. Wet weather slowed most crop harvesting from the Delta States through the Corn Belt where growers had only 2-4 days suitable for fieldwork. Elsewhere in the Nation, producers enjoyed 5-7 days of open weather. Soil moisture was generally adequate to short, but short to very short supplies persisted in the Southeast.

Corn harvesting lagged normal; 27% was combined, compared with the 34% average. Soybeans were 38% harvested, while 87% dropped leaves. Cotton picking advanced to 20% completion; 76% of the acreage had bolls opening. Rice was 83% harvested, equaling the average. Sorghum combining was 48% finished, compared with the 51% average. Winter wheat seeding advanced to 66% completion, 10 percentage points behind schedule. Stands emerged on 39% of the acreage, trailing the 50% average. Apple picking and fall vegetable harvesting continued in full swing. Precipitation improved pastures across the central and southern Plains, Delta States, and Corn Belt. However, lack of moisture caused deterioration in the Southeast. Supplemental feeding continued heavy in most regions.

SMALL GRAINS: Sixty-six percent of the 1985 winter wheat crop was seeded in the 15 major producing States, trailing last year's 74% and the 76% normal. Emergence reached 39%, behind the 50% average. Seeding was finished in Nebraska and South Dakota, and 15% complete in California. Much-needed rains stimulated growth across large areas of Texas and Kansas. However, Oklahoma wheat received limited precipitation, and emergence was 20 points behind normal. Torrential rains washed out some newly-seeded wheat in extreme southeastern Kansas and northeastern Oklahoma. Emergence lagged normal by 25 points in Montana, 20 points in Oregon, 15 points in Kansas, and 7 points in Texas. Emerged stands rated fair to good from Nebraska northward.

CORN: Wet weather slowed harvesting across most of the Corn Belt. In the 17 major producing States, combining was 27% finished, 7 points slower than normal. Harvesting was 20 points behind schedule in South Dakota, 15 points in Kentucky, 12 points in Iowa, and 10 points slower than normal in both Nebraska and Ohio. Progress was 7 points behind in the Corn Belt and 3 points behind in the Southeast.

SOYBEANS: In the 18 major soybean producing States, 87% of the acreage dropped leaves, equaling the average. Harvesting was 38% finished, compared with 51% last year and the 44% average. Harvesting was slightly ahead of schedule in the western Corn Belt, but trailed normal by 17 points in the eastern Corn Belt, 5 points in the south-central States, and 3 points in the Southeast. Rain delayed harvesting from the Delta States through the Corn Belt, while dry conditions limited pod filling of double-cropped soybeans and caused fair to poor conditions in the Southeast.

COTTON: Bolls opened on 76% of the acreage in the 14 major producing States, 6 points behind normal. Harvesting was 20% finished, compared with 26% for both last year and the average. Picking ranged from 1% finished in New Mexico to 36% complete in

Alabama. Thirty percent was harvested in the Southeast, trailing the average by 12 points. Delta producers were 25% finished, well behind the 44% average. In the southwest region, which includes California, picking was 14% complete, 1 point ahead of schedule. Rain interrupted Texas harvesting. Picking was 19% finished, 3 points slower than normal.

SORGHUM: Sorghum reached 89% maturity, slightly ahead of the 83% average. Harvesting was 48% complete, 3 points behind schedule in the 7 major producing States. Progress was 21 points behind schedule in South Dakota, 15 points in Nebraska, and 10 points slower than normal in Oklahoma. Rain halted the harvest completion on the Texas Low Plains, and only minimal activity occurred on the High Plains.

OTHER CROPS: Rice was 83% harvested in the 5 major producing States, equaling the average. Combining was complete in Texas and nearing completion in Louisiana. Hot weather advanced the California crop maturity, leaving the harvest 85% complete, compared with the 49% average.

Tobacco stripping was very active. The Tennessee burley crop was 11% stripped, half the normal pace. Kentucky burley was 4% stripped and only minimal amounts were still in fields. Virginia tobacco curing, marketing, and grading continued active.

Peanut digging and threshing continued active. The Georgia crop was 94% dug and 88% threshed. Virginia producers dug 84% and combined 66%. The crop was 81% dug in North Carolina and 56% threshed. Alabama growers dug 97% of the crop and combined 93%.

VEGETABLES: Showers slowed fall vegetable harvesting in Michigan, but good weather allowed rapid harvesting from Ohio eastward. Maine potato digging was 96% complete, equaling the average. Idaho potato growers were 68% finished, slightly ahead of schedule. Florida producers harvested increasing volumes of cucumbers, eggplant, peppers, tomatoes, sweet corn, and squash. Transplanting and seeding of most crops continued active. Rain improved soil moisture in Texas but slowed harvests. Arizona fall vegetable harvesting gained momentum. California fall plantings progressed normally. Growers continued harvesting a wide variety of crops with only minimal rain delays.

FRUITS AND NUTS: Apple picking continued close to schedule in northern orchards, with only minimal delays attributed to the weather. Florida's citrus groves continued in good condition with much irrigation. Harvesting progressed for grapefruits, oranges, and specialty fruits. Caretaker activities remained slow due to citrus canker concerns. Arizona's grapefruit harvest began and lemon packing was active. California's apple and Hass avocado harvest declined. Strong winds caused date crop damage. Grape harvesting was nearly complete. Lemon harvesting continued, while grapefruit and Navel orange picking are expected to begin soon.

PASTURES AND LIVESTOCK: Pastures improved with additional rainfall across the Nation's midsection, but conditions were poor to fair in the Southeast. Many Texas ranges showed growth. Small grain pastures on the High Plains have good stands, and livestock may be moved on in a few weeks. Supplemental feeding continued in most regions. Herd movement to winter grazing areas continued in the West.

CROP PROGRESS

FOR WEEK ENDING OCT 14

SOYBEANS % DROPPING LEAVES			
	1984	1983	AVG.
ALA	76	62	71
ARK	46	66	61
GA	85	72	74
ILL	99	100	100
IND	99	100	100
IOWA	100	100	99
KANS	99	90	90
KY	74	81	78
LA	76	74	69
MICH	100	100	100
MINN	100	100	100
MISS	85	94	90
MO	86	89	80
NEBR	100	100	96
N C	30	33	34
OHIO	97	100	100
S C	46	41	51
TENN	84	96	80
18 STATES	87	89	87

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

SOYBEANS % HARVESTED			
	1984	1983	AVG.
ALA	22	16	24
ARK	6	15	11
GA	11	6	11
ILL	56	86	78
IND	40	80	50
IOWA	73	79	64
KANS	40	45	35
KY	10	20	21
LA	31	26	30
MICH	25	40	26
MINN	69	52	48
MISS	15	18	22
MO	25	57	44
NEBR	30	60	60
N C	4	3	10
OHIO	35	65	50
S C	3	2	4
TENN	3	14	12
18 STATES	38	51	44

THESE 18 STATES PRODUCED 93% OF THE 1983 SOYBEAN CROP.

CORN % MATURE			
	1984	1983	AVG.
COLO	94	94	85
GA	100	100	100
ILL	100	100	100
IND	98	100	98
IOWA	100	100	98
KANS	100	99	97
KY	95	95	98
MICH	100	100	93
MINN	97	99	96
MO	96	100	89
NEBR	100	100	98
N C	100	100	100
OHIO	92	100	95
PA	64	87	80
S DAK	90	100	100
VA	100	100	100
WIS	100	100	100
17 STATES	97	99	97

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

CORN % HARVESTED			
	1984	1983	AVG.
COLO	16	30	17
GA	97	92	93
ILL	33	67	45
IND	17	30	25
IOWA	29	72	35
KANS	60	65	55
KY	39	55	54
MICH	10	15	11
MINN	14	48	19
MO	56	81	58
NEBR	20	60	30
N C	77	82	84
OHIO	15	30	25
PA	9	16	18
S DAK	15	56	35
VA	61	67	63
WIS	17	15	12
17 STATES	27	54	34

THESE 17 STATES PRODUCED 90% OF THE 1983 CORN CROP.

RICE % HARVESTED			
	1984	1983	AVG.
ARK	70	89	83
CALIF	85	45	49
LA	97	97	98
MISS	90	82	82
TEX	100	100	100
5 STATES	83	85	83

THESE 5 STATES PRODUCED 98% OF THE 1983 RICE CROP.

SORGHUM % MATURE			
	1984	1983	AVG.
COLO	86	96	82
KANS	85	85	75
MO	93	96	85
NEBR	100	100	85
OKLA	95	85	85
S DAK	90	100	92
TEX	87	94	90
7 STATES	89	92	83

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

SORGHUM % HARVESTED			
	1984	1983	AVG.
COLO	22	48	22
KANS	35	50	30
MO	56	70	52
NEBR	25	60	40
OKLA	20	25	30
S DAK	24	57	45
TEX	73	77	77
7 STATES	48	62	51

THESE 7 STATES PRODUCED 85% OF THE 1983 SORGHUM CROP.

WINTER WHEAT % PLANTED			
	1984	1983	AVG.
CALIF	15	5	8
COLO	94	95	96
IDAHO	84	86	79
ILL	40	61	60
IND	40	70	55
KANS	70	75	85
MO	39	54	47
MONT	80	90	90
NEBR	100	100	100
OHIO	50	70	65
OKLA	40	75	70
OREG	39	62	68
S DAK	100	100	100
TEX	69	53	61
WASH	75	89	84
15 STATES	66	74	76

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

WINTER WHEAT % EMERGED			
	1984	1983	AVG.
CALIF	1	0	2
COLO	82	73	81
IDAHO	52	53	46
ILL	20	27	24
IND	25	40	25
KANS	40	45	55
MO	21	35	32
MONT	35	65	60
NEBR	85	90	90
OHIO	22	35	25
OKLA	15	40	35
OREG	16	34	36
S DAK	82	88	91
TEX	30	22	37
WASH	60	70	63
15 STATES	39	47	50

THESE 15 STATES PRODUCED 84% OF THE 1983 WINTER WHEAT CROP.

COTTON % BOLLS OPENING			
	1984	1983	AVG.
ALA	90	93	85
ARIZ	100	94	98
ARK	93	100	91
CALIF	100	90	96
GA	85	87	91
LA	96	99	94
MISS	100	100	99
MO	100	100	100
N MEX	100	89	80
N C	100	100	93
OKLA	75	75	80
S C	93	100	95
TENN	98	100	99
TEX	57	81	71
14 STATES	76	87	82

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

COTTON % HARVESTED			
	1984	1983	AVG.
ALA	36	43	40
ARIZ	15	6	15
ARK	18	61	42
CALIF	15	5	13
GA	23	22	42
LA	32	34	41
MISS	24	40	45
MO	30	77	55
N MEX	1	2	6
N C	22	48	38
OKLA	5	5	5
S C	28	67	51
TENN	21	70	46
TEX	19	23	22
14 STATES	20	26	26

THESE 14 STATES PRODUCED 99% OF THE 1983 COTTON CROP.

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall scattered 0.00 to 3.83 in. Most rain occurring in the northern one-third of the State. Temperatures averaged 3 to 90 above normal.

Soil moisture short northern one-third; very short to short remainder of the State. Fieldwork: 5.3 days. Corn harvested 88%, 92% 1983. Soybeans turning yellow 94%, 89% 1983. Soybeans dropping leaves 76%, 62% 1983, 71% average. Soybeans mature 50%, 44% 1983, 53% average. Soybeans harvested 22%, 16% 1983, 24% average. Cotton bolls open 90%, 93% 1983, 85% average. Cotton harvested 36%, 43% 1983, 40% average. Peanuts dug 97%, 89% 1983. Peanuts combined 93%, 79% 1983, 82% average. Sorghum harvested 76%, 66% 1983, 59% average. Wheat seeded 17%, 21% 1983, 29% average. Activities: Harvesting corn, sorghum, peanuts, cotton, soybeans, and vegetables; preparing and planting land for winter grazing; and routine care of livestock and poultry. Conditions: Soybeans poor to mostly fair; cotton, peanuts, and sorghum fair to good; wheat and pastures poor to fair; livestock mostly fair to good.

ARIZONA: Sunny skies, seasonal temperatures prevailed 7th through 10th. Cold front crossed State 11th and 12th, lowered temperatures 5 to 10°. Precipitation limited to central basins northward; isolated showers lower deserts. Amounts were mostly between 0.10 and 0.50 in. Sunny skies, higher temperatures returned 13th. Temperatures varied 10° below normal to 30° above.

Fall vegetable harvest active with greens, green onions, leaf lettuce picked. Cantaloupe, honeydew harvest increasing. In east, lettuce, cabbage being harvested. Lemon picking continued active. Grapefruit harvest has begun as expected. Cotton harvest 15%, 6% last year, 15% average. Harvest well underway in central areas and Yuma. Open bolls 100%, 94% last year, 98% average. Defoliation in full swing all areas. Crop condition average. Sorghum harvest started. Alfalfa seeding continued, some renovations of present stands. Market steady, favorable responses to good quality hay.

ARKANSAS: A warm week with temperatures averaging 2 to 8° above normal statewide. High 87°, low 47°. Most rainfall 5.21 in., least 0.38 in.

Soil moisture adequate in northwest and surplus elsewhere. One and a half days were available for fieldwork. Cotton condition good; open bolls 93%, 100% 1983, 91% average; harvested 18%, 61% 1983, 42% average. Rice condition good; ripe 94%, 99% 1983 and average. Soybean condition good; yellowing 73%, 82% 1983, 78% average; shedding leaves 46%, 66% 1983, 61% average; harvested 6%, 15% 1983, 11% average. Corn condition good; harvested 86%, 94% 1983, 86% average. Sorghum condition good; harvested 81%, 93% 1983, 90% average. Wheat seeding 14%, 18% 1983, 20% average. Pastures rated average. Livestock good condition.

CALIFORNIA: Early week warmth, changed to rain on 11th as a cold front passed. Rain amounts reported were 2.00 in. on the north coast, over 1.00 in. in the southern Sacramento Valley, with good rains as far south as the Tehachapis. State temperatures ranged from 102° at Thermal and Imperial to 28° at Alturas.

Rice harvest progressing, 85% harvested, 45% last year, 49% average. Some rain slowed fieldwork. Harvested rice quality questionable a few areas. Half harvested field burned. Dry bean harvest on progress. Field corn, safflower, sugarbeets nearly complete. Milo harvesting with good yields. Cotton harvest continuing, 15% harvested, 5% last year, 13% average. Open bolls 100%, 90% last year, 96% average. Small grain planting continues, winter wheat 15% planted, 5% last year, 8% average. Apple and Haas avocado harvest winding down. Strong winds cause loss of 10% of date crop. Soft varieties hit hardest. Grape harvest nearly complete. Kiwi harvest underway with good sizing. Olive picking increased. Pomegranate harvest winding down. Desert lemon harvest continues with excellent quality and demand. Desert grapefruit harvest to start next week. Navel orange harvest to start soon in Central Valley. Almond, pistachio, and walnut harvest continues despite wet weather. Artichokes light supply central coast quality variable. Broccoli fairly heavy supply Salinas-Watsonville and heavy supply Santa Maria-Oceano area quality variable to good. Cantaloupe harvest complete San Joaquin Valley. Desert cantaloupe harvest getting underway. Carrots fairly light supply Salinas-Watsonville good quality. Cauliflower moderate supply variable quality Salinas area Santa Maria light supply. Fall plantings progressing normally. Celery moderate supply Salinas areas. Poor market conditions encouraging shippers curtail harvest Santa Maria-Oceano. Honeydew harvest begins next week desert while virtually complete San Joaquin, Sacramento Valley. Lettuce harvest interrupted 11th due to rain. Light supply Santa Maria-Oceano area. Fall harvest 2 weeks off San Joaquin Valley. Green peppers fairly heavy supply variable quality Salinas, Santa Maria areas. Harvest White Rose potatoes continued Perris-Hemet area. Harvest Tulelake-Butte Valley progressing well. Sweetpotato harvest continues San Joaquin Valley. Processing tomato harvest virtually complete. Market tomato harvest begins next week southern San Joaquin Valley. Rainfall northern counties, light snow high elevations, movement stock winter locations. Fall calving more areas. Ground water scarce many areas.

COLORADO: Week began with 0.10 to 0.30 in. of rain in northern mountains and eastern plains on 8th. Mostly dry rest of week until 14th when 1.00 to 1.20 in. of precipitation in form of rain and snow fell in most areas. Temperatures were 1 to 3° above normal.

Extensive moisture the previous week has improved winter wheat; 94% planted, 1983 95%, average 96%. Plant emergence at 82%, 1983 73%, average 81%. Corn maturity at 94%, 1983 94%, average 85%. Grain harvest 16% complete, 1983 30%, average 17%. Sorghum 86% mature, 1983 96%, average 82%. Harvest 22% complete, 1983 48%, average 22%. Sugarbeet harvest at 10%, 1983 20%, average 12%. Alfalfa 3rd cutting at 83%, 1983 86%, average 87%. Fourth cutting 23% complete, 1983 39%, average 36%. Summer potato harvest at 95%, 1983 95%, average 96%. Fall potato harvest 83% complete, 1983 81%, average 76%. Dry bean threshing at 87%, 1983 85%, average 84%. Onion harvest 89%, 1983 78%, average 81%. Statewide average: 4.8 days

suitable for fieldwork.

FLORIDA: Warm, mostly dry with only spotty rains of 0.10 in. or less in isolated showers, except for a few accumulated amounts of 0.25 to 0.75 in. along Atlantic coastal areas from brief showers off the ocean. Continued exceptionally dry Panhandle. Temperatures averaged 1 to 3° above normal statewide. Weekend continued warm and dry.

Soil moisture short central higher ground area, adequate southern areas, extremely short north, Panhandle. Early soybeans being harvested. Dry weather especially stressed late beans in pod fill stage. Cotton harvest active. Some late hay cuttings continue, quality, yield declining. Small grain planting slow from lack of moisture. Sugarcane good to excellent condition. Seed corn planting continued active. Pasture conditions mostly fair Panhandle, through central Peninsula, but good to excellent in lower southern Peninsula. Cattle condition declined slightly but remained generally good. Citrus groves good condition. Dry weather continues, much irrigation underway. Good natural fruit color. Harvest progressing on grapefruit, oranges and specialty fruit. Caretaker activities slow due to citrus canker concern. Favorable weather prevailed most vegetable producing areas. Rainfall generally light. Daytime temperatures mid 80's; nighttime in 60's. Harvest gaining cucumbers, eggplant, peppers, tomatoes, sweet corn, squash. Harvest should increase seasonally next 3 to 4 weeks most crops. Heavy volume expected by December. Transplanting and seeding continue active most crops. Transplanting cabbage, strawberries underway.

GEORGIA: Temperatures averaged 4° above normal most locations. Temperatures averaged in low 60's in mountains, upper 60's north and low 70's elsewhere. A few locations had maximum temperatures in low 90's. Lowest readings for week in mid-40's in mountains and in low 50's elsewhere. Rainfall totals mostly under 0.10 in. in north with isolated light amounts elsewhere. Greatest rainfall 1.42 in. Calhoun.

Soil moisture 6% adequate, 25% short, 69% very short. Average days suitable for fieldwork 6.0. Main activities harvesting corn, peanuts, soybeans, cotton. Very dry conditions delaying small grain and pasture seeding. Corn harvested 97%, 92% last year, 93% average. Cotton bolls open 85%, 87% last year, 91% average; harvested 23%, 22% last year, 42% average; condition 17% excellent, 49% good, 26% fair, 8% poor. Peanuts dug 92%, 88% last year, 92% average; threshed 88%, 77% last year, 85% average; condition 9% excellent, 59% good, 28% fair, 4% poor. Soybeans 85% dropping leaves, 72% last year, 74% average; harvested 11%, 6% last year, 11% average; condition 11% good, 51% fair, 26% poor, 12% very poor. Wheat 7% planted, 15% last year, 16% average; rye 22% planted, 43% last year, 36% average. Other small grains 18% planted, 30% last year, 29% average. Apples harvested 95%, 94% last year, 96% average. Pecans harvested 3%, 1% last year, 4% average; condition 31% good, 53% fair, 11% poor. Grain sorghum condition 29% good, 56% fair, 14% poor. Hay condition 13% good, 44% fair, 35% poor, 8% very poor. Pasture condition 8% good, 40% fair, 43% poor, 9% very poor. Cattle condition 44% good, 47% fair, 8% poor. Hog condition 57% good, 38% fair, 4% poor.

HAWAII: Mandatory water restrictions now in effect for all the major vegetable producing areas in the State as dry weather persisted

during the week. Record daily high temperatures continued to be set although there was a general cooling in temperatures during the weekend.

In Waimea, the county has begun to pump water from a mountain spring into State and country reservoirs, but will still not be enough to meet the needs of the entire area. Farmers on the State irrigation system now allocated water based on prior use and acreage in crop. Those farmers who have access to county water on conservation notice. Current production and plantings lower. The upcountry part of Maui was declared a drought area on October 8. All water users there are required to reduce consumption by 25%. Kula, a major vegetable and flower region, is in the affected area. Farming on Oahu continues under a previously imposed mandatory water reduction program. Many farmers, however, have received exemptions. Farmers on the State irrigation system on Molokai have also been asked to conserve water. Most crops in fair to good condition. Some field crops suffering from heat stress. Many ranchers on Hawaii Island hauling water to replenish low stock water supplies. Chinese cabbage production will be relatively light as irrigation cutbacks have reduced plantings and supplies. Head cabbage output moderate. Head lettuce production light, but will increase slightly next week. Spotted wilt disease and the heat reducing yields. Banana production, especially the Cavendish variety, increasing. Papaya production anticipated to remain stable through the remainder of the month.

IDAHO: A high pressure system centered over the State brought dry, warm weather during the first half of the week. However, a cold front moved through during the end of the week bringing rain showers and cooler temperatures. Average temperatures ranged from 2 to 7° above normal. Precipitation was below normal in the north, but above normal in portions of the south.

Rain slowed harvesting as 5.8 days were suitable for fieldwork. Potato harvest was 68% complete compared to 74% last year and 66% average. Winter wheat was 84% seeded compared to 56% a year ago and 79% average. The new crop was 52% emerged versus 53% in 1983 and 46% average. The third cutting of alfalfa hay advanced to 80% harvested compared to 76% last year and 86% average. Dry beans were 92% harvested compared to 96% a year ago and 96% average. Silage corn was 91% chopped versus 96% in 1983 and 87% average. Corn for grain rose to 13% harvested compared to 11% last year. Sugarbeets were 23% harvested compared to 21% a year ago and 16% average. Cattle and sheep were 73% and 75% removed from summer ranges, respectively.

ILLINOIS: Temperatures 4 to 10° above normal. Precipitation 0.01 to 1.85 in., mostly west and south.

Soil moisture 57% adequate, 21% short, 22% surplus. Corn mature 100%, last year 100%, average 100%; average 100%; harvested 33%, last year 67%, average 45%. Soybeans shedding leaves 99%, last year 100%, average 100%; harvested 56%, last year 86%, average 78%. Sorghum harvested 30%, last year 66%, average 48%. Winter wheat seeded 40%, last year 61%, average 60%; 20% emerged, last year 27%, average 24%. Fall tillage of 1985 intended corn and soybean acreage 13%, last year 25%, average 18%. Pasture condition 9% excellent, 56% good, 32% fair, 3% poor. Days suitable for fieldwork: 3.5.

INDIANA: Average temperatures were 6 to 8° warmer than normal in the north and 7 to 9° above south. Precipitation widespread but

variable. Totals generally 0.10 to 0.25 in. except 1.00 in. at some points in north and 1.50 to 2.00 in. in southwest. Bare soil temperatures in the 60's.

Fieldwork averaged 2.7 days. Topsoil moisture mostly adequate to surplus. Subsoil moisture mostly adequate. Corn 17% harvested, 1983 30%, average 25%. Corn moisture 27%, 1983 22%. Corn 98% mature, 1983 100%, average 98%. Soybeans 99% combined, 1983 80%, average 50%. Soybeans 99% dropping leaves, 1983 100%, average 100%. Wheat 40% seeded, 1983 70%, average 55%. Wheat 25% emerged, 1983 40%, average 25%.

IOWA: Statewide rainfall on 14th and 15th in excess of 1.00 in. over most of State. Temperatures ranged from 42° at Keosauqua on the 9th to 79° at Clarinda and Beaconsfield on the 12th.

Days suitable for fieldwork: 3.1. Corn harvesting 29% complete; 72% last year, 35% normal. Corn lodging 65% none to light, 32% moderate, 3% heavy damage. Ear droppage 82% none to light, 17% moderate, 1% heavy. Soybean harvesting 73% complete, last year 79%, normal 64%. Soybean lodging damage 81% none to light, 16% moderate, 3% heavy. Soybean shattering 71% none to light, 27% moderate, 2% heavy. Sorghum acreage harvested 40% complete, last year 72%, normal 36%. Winter wheat acreage seeding 87% complete, 83% last year, 81% normal. Fall tillage 11% complete, 23% last year, 12% normal. Fall fertilizer application 10% complete, 22% last year, 12% normal. Availability of grain storage 72% adequate, 28% surplus. Topsoil moisture conditions 30% short, 60% adequate, 10% surplus. Subsoil moisture conditions 69% short, 31% adequate. Livestock in good condition.

KANSAS: Precipitation averaged 0.10 to 0.25 in. north, 1.00 to 1.50 in. south central, southeast, and central districts. Temperatures averaged 60° northwest and 63 to 67° elsewhere. These were 3 to 6° above normal.

Sorghum mature 85%, 85% last year, 75% average; 35% harvested, 50% last year, 30% average. Soybeans dropping leaves 99%, 90% last year and average; 40% harvested, 45% last year, 35% average. Corn 100% mature, 99% last year, 97% average; 60% harvested, 65% last year, 55% average. Wheat planted 70%, 75% last year, 85% average; 40% emerged, 45% last year, 55% average. Soil moisture mostly adequate. Pasture and rangeland improving but still poor to fair. Days suitable for fieldwork: 4.0.

KENTUCKY: Mild with temperatures averaging 5 to 10° above normal. Highs in 70's and low 80's, lows in 50's and low 60's. Periodical showers and a few heavy thunderstorms. Rain amounts averaged 0.25 in. east to 0.66 in. west.

Soil moisture 10% surplus, 53% adequate, 37% short. Days suitable: 4.3. Corn for grain harvest 39% complete, 55% last year, 54% average; 95% mature, same last year, average 98%. Burley tobacco 4% stripped, 3% year ago, average 5%. Minimal amount still in field. Soybeans 10% harvested, 20% last year, 21% average; 74% shedding leaves or beyond, 81% year ago, 78% average. Winter wheat seeding 26% complete, same year ago, average 32%. Grain sorghum harvest nearly 50% complete.

LOUISIANA: Rainfall was received throughout the State with 5.14 in. the highest amount reported. Average temperatures ranged from 5 to 7° above normal. High 89°. Low 58°.

Soil moisture adequate to surplus. Days suitable for fieldwork: 3.2. Activities included cotton, soybean, sweetpotato and hay

harvesting, and wheat and sugarcane planting. Rice harvest 97% 1984, 97% 1983, 98% average. Cotton open bolls 96% 1984, 99% 1983, 94% average; harvest 32% 1984, 34% 1983, 41% average; condition good. Soybeans turning color 94% 1984, 92% 1983, 91% average; leaves shedding 76% 1984, 74% 1983, 69% average; harvest 31% 1984, 26% 1983, 30% average; condition fair to good. Sorghum harvest 100% 1984, 97% 1983, 94% average. Winter wheat planting 15% 1984, 21% 1983, 21% average; emerged 9% 1984, 9% 1983, 7% average. Sweetpotato harvest 82% 1984, 80% 1983, 81% average. Sugarcane planting 95% 1984, 92% 1983, 91% average; harvested 2% 1984, 6% 1983, 9% average; condition fair to good. Vegetable condition fair to good. Hay final cutting 96% 1984, 91% 1983, 91% average. Pecans harvested 3% 1984, 6% 1983, 3% average; condition fair. Pastures and livestock fair to good condition.

MARYLAND AND DELAWARE: Maryland: Temperatures averaged 1° above normal with highs in upper 70's and lows in upper 30's. Rainfall averaged 0.05 in., with only a trace on eastern shore.

Days suitable for fieldwork: 6.5. Topsoil and subsoil moisture adequate. Corn mature 95%, 1983 99%, normal 98%. Corn harvested 55%, 1983 65%, normal 65%. Soybeans in fair condition. Soybeans turning color 95%, 1983 95%, normal 95%. Soybeans shedding leaves 75%, 1983 70%, normal 70%. Soybeans harvested 15%, 1983 20%, average 20%. Apples harvested 80%, 1983 80%, normal 80%. Barley seeded 65%, 1983 65%, normal 65%. Wheat seeded 25%, 1983 40%, normal 40%. Rye seeded 55%, 1983 60%, normal 65%. Oats seeded 35%, 1983 60%, normal 50%.

Delaware: Temperatures averaged 2° below normal with highs in mid 70's and lows in upper 30's. Only a trace of precipitation.

Days suitable for fieldwork: 6.7. Topsoil moisture adequate. Subsoil moisture short. Soybeans in fair condition. Soybeans turning color 95%, 1983 95%, normal 95%. Soybeans shedding leaves 85%, 1983 50%, normal 70%. Soybeans harvested 15%, 1983 5%, normal 10%. Corn mature 100%, 1983 100%, average 100%. Corn harvested 65%, 1983 60%, average 70%. Barley seeded 35%, 1983 65%, average 70%. Wheat seeded 10%, 1983 10%, average 15%. Rye seeded 10%, 1983 35%, average 40%.

MICHIGAN: Temperatures averaged 7° above normal over the State in sharp contrast to below normal temperatures the previous week. Precipitation was light to moderate with the southwest corner of the lower Peninsula received the heaviest amounts.

Fog and rains during the week delayed harvesting operations. Statewide 4.0 days suitable for fieldwork. Dry beans 95% harvested, 80% last year, 85% average. Corn silage 95% harvested, 85% last year, 85% average. Corn for grain 10% harvested, 15% last year, 11% average. Soybeans 25% harvested, 40% last year, 26% average. Sugarbeets 15% harvested, 15% last year, 17% average. Wheat 80% planted, 85% last year, 76% average. Third cut hay is wrapping up. Fruit harvest continues on schedule.

MINNESOTA: Except for some isolated sunny days, the week was generally warm and cloudy across the State. Temperatures averaged 9 to 12° above normal. High: 80°, low: 35°. Precipitation averaged near normal to 0.44 in. below normal for the eastern 1/3 of the State and north central, and 0.16 to 0.60 in. above elsewhere. Greatest weekly total: 3.81 in.

A combination of misty rains and cloudiness produced very poor conditions for harvest in the

southern half of the State. Soybean harvest was brought to a standstill and field corn harvest progressed very slowly. Moisture content of corn increased slightly in contrast, producers in the north continued to have inadequate moisture and rowcrop harvest made excellent progress. Sugarbeet producers in the Red River Valley virtually stopped harvest because of above normal temperatures while producers elsewhere ceased harvesting due to the rains. Potato harvest continued and was far ahead of schedule. Pasture conditions continued to be dry and short in the north and more farmers fed supplemental feed. Days suitable for fieldwork: 3.1. Topsoil moisture: 9% very short, 15% short, 60% adequate and 16% surplus. Field corn: Harvested 14%, 1983 48%, normal 19%; moisture content 26%, 1983 24%, normal 27%; stubble plowed or tilled 7%, 1983 13%, normal 6%. Soybeans: Harvested 69%, 1983 52%, normal 48%; moisture content 13%, 1983 14%, normal 13%; stubble plowed or tilled 26%, 1983 22%, normal 20%. Sunflower: Harvested 32%, 1983 27%, normal 34%. Sugarbeets harvested 35%, 1983 49%, normal 47%. Potatoes: Harvested 90%, 1983 81%, normal 85%.

MISSISSIPPI: Temperatures 3 to 6° above normal, extreme 54 and 69°. Northern counties averaged 2.00 in. rain, southern counties 1.00 in. Greatest 24-hour rainfall 4.41 in.

Soil moisture short in southeast, adequate to surplus elsewhere. Fieldwork 2.4 days suitable, 4.4 1983, 4.6 average. Main activities: harvest where dry enough, equipment repair elsewhere. Cotton condition good to fair; 100% open bolls 1984, 1983 and average; 24% harvested, 40% 1983, 45% average. Soybean condition fair; 85% shedding leaves, 94% 1983, 90% average; 15% harvested, 18% 1983, 22% average. Rice 90% harvested, 82% 1983 and average. Sorghum 85% harvested, 82% 1983 and average. Corn 79% harvested, peanuts 82%, hay 94%, sorghum silage 92% and sweetpotatoes 66%. Pasture condition fair. Pecan condition fair.

MISSOURI: Temperatures averaged 50 above normal. Rainfall spotty, less than 0.25 in. in northwest to 2.50 in. in the southeast.

Days suitable for fieldwork: 3.0. Soybeans dropping leaves 86%, 89% last year, 80% normal. Soybeans mature 60%, 80% last year, 74% normal. Soybeans harvested 25%, 57% last year, 44% normal. Corn mature 96%, 100% last year, 89% normal. Corn harvested 56%, 81% last year, 58% normal. Grain sorghum mature 93%, 96% last year, 85% normal. Grain sorghum harvested 56%, 70% last year, 52% normal. Cotton bolls open 100% this year, last year and normal. Cotton harvested 30% this year, 77% last year, 55% normal. Land tilled for spring planting 22%, 26% last year, 23% normal. Wheat planted 39%, 54% last year, 47% normal. Wheat emerged 21%, 35% last year, 32% normal. Condition of pasture 1% excellent, 36% good, 56% fair, 7% poor. Topsoil moisture supply 20% surplus, 57% adequate, 23% short.

MONTANA: Very warm first of week with maximum temperatures in 70's and 80's statewide. Turning cooler over all the State by end of week, highs in 50's and 60's. Temperatures averaged 3 to 9° above normal. Precipitation confined to west and southwest with 0.25 to 0.50 in. over those areas.

Topsoil moisture short. Subsoil moisture short except west of Continental Divide. Days suitable for fieldwork: 6.2. Crops harvested compared with last year and average: Dry beans 90, 100, 90; potatoes 85, 70, 50; sugarbeets 60,

50, 30. Winter wheat planted 80%, last year 90%, average 90%; emerged 35%, last year 65%, average 60%. About 75% of cattle and 85% of sheep moved to winter pastures.

NEBRASKA: Precipitation 0.10 in. Panhandle and north central, 1.25 in. east and 0.50 in. elsewhere. Temperatures 5 to 8° above normal.

Corn harvested 20%, 60% last year, 30% average. Soybean harvested 30%, 60% last year, 60% average. Sorghum harvested 25%, 60% last year, 40% average. Winter wheat showed sharp condition improvement and rated 10% poor, 26% fair, 63% good and 1% excellent. Pasture and range feed short in two-thirds of State. Topsoil moisture 14% short, 72% adequate, 14% surplus. Subsoil supplies 54% short, 41% adequate, 6% surplus. Average number of days suitable for fieldwork: 2.2.

NEVADA: High pressure ridge dominated weather most of week. Temperatures averaged above normal through midweek. Low pressure system displaced the high bringing significant rain to State. Two to eight inches snow higher elevations in Lake Tahoe area. Rain gauges across north recorded these to seven tenths in. of rain. Cold air accompanying low pressure dropped low temperatures into upper 20's northern half of State. Highs went from mid 70's to mid 40 to 50's before recovering somewhat on 13th. South escaped storm. No measurable rain although temperatures dropped from upper 80's to 70's.

Potato harvest progressing well. Alfalfa seed and small grain combining virtually complete. Hay harvest nearing end. Onion harvest good progress. Small grain planting progressing. Livestock good to excellent condition.

NEW ENGLAND: Temperatures averaged 4° above normal. Precipitation was light, 0.25 in. of rain in northern Maine and 0.10 in. in Vermont, New Hampshire and southern Maine. Southern New England received no measurable rainfall during the week.

Soil moisture supplies short, grazing availability short to adequate. An average of 6.5 days suitable for fieldwork. Maine potatoes 96% harvested; 98% last year, on schedule with normal. Silage corn 85% chopped; 82% last year. Third cut hay virtually complete. Apples, 86% picked. Cranberry harvest in full swing with 50% harvested. Best color in years, excellent crop expected.

NEW JERSEY: Temperatures averaged 3 to 5° above normal. Extremes were 31° on the 15th and 77° on the 13th. Weekly rainfall averaged 0.06 in. north, 0.05 in. central and 0.00 in. south. The heaviest 24-hour total was 0.14 in. on the 8th and 9th. Estimated soil moisture, in percent of field capacity, averaged 82% north, 75% central and 65% south. Four inch soil temperatures averaged 54 north, 56 central and 58 south.

Fieldwork: 6.5 days suitable. Topsoil moisture ranges from short to adequate over the State. Farm activities include harvesting fall vegetables, apples, sweetpotatoes, pumpkins, gourds and Indian corn. Irish potato digging nearly complete. Corn for grain and soybean harvests getting underway. Seeding of winter wheat and small grains continues. Some scattered frost occurred last week.

NEW MEXICO: Average temperatures near or slightly above normal north and east, little below normal southwest. Minimum temperature: 26° northern mountains. Maximum temperature:

830 southeastern plains. Showers during latter part of week statewide. Precipitation totals between 0.00 and 2.46 in.

Soil moisture supplies adequate. Alfalfa fair to good; fifth cutting continued. Cotton fair to good. Corn fair to good, grain harvest continued. Barley fair to good, irrigated, dryland wheat fair to good, nearly all acceptable stand. Irrigated grain sorghum fair to good, dryland good, grain harvest continued. Pecans good, pecans opening, excellent quality. Apples good. Chile fair to good, picking continued. Lettuce fair to good, harvest continued. Cattle fair to good, sheep good. Range fair to good. Cotton open bolls: 100% this year, last year 89%, average 80%; harvested 1% this year, last year 2%, average 6%.

NEW YORK: Beginning of week quite cool, many areas were below freezing on the 7th. Warmer weather arrived thereafter and persisted throughout the week. Temperatures for the entire week averaged well above normal. It was very dry with most areas receiving less than 0.10 in. of rain. Many communities had no rain at all.

Corn silage chopping and hay cutting made good progress. The immaturity of the corn crop, hit by killing frost a week ago, has farmers concentrating on chopping corn silage rather than on cutting hay. Harvesting of corn silage 44% complete, behind both the 67% average and the 70% a year ago. Early harvesting of corn for grain 9% complete. Third cutting alfalfa 81% complete, ahead of 80% average but behind last year's 90%. Dry beans making good progress. Pastures mostly in good condition. Soil moisture adequate. An average of 1/2 day was unsuitable for fieldwork during the week. The McIntosh harvest virtually complete. Growers busy cleaning up the remainder of the Red Delicious and Empire crop. Apple varietal pick-off close to schedule this season with only minimal delays attributed to weather. The Concord harvest continues along Lake Erie. Harvest of most major vegetable crops now complete with a few speciality crops continuing.

NORTH CAROLINA: Temperatures averaged 2 to 40 above normal statewide. Precipitation was received by all areas of the State and ranged from 0.00 to 0.50 in.

Soil moisture: 10% very short, 42% short, 48% adequate. Days suitable for fieldwork: 6.4. Condition: Cotton 7% fair, 79% good, 14% excellent. Peanuts 27% fair, 67% good, 6% excellent. Soybeans 7% poor, 33% fair, 58% good, 2% excellent. Sweetpotatoes 42% fair, 53% good, 5% excellent. Sorghum 3% poor, 18% fair, 79% good. Phenological stages: Cotton open bolls: 100%, 1983 99%, 93% average. Soybeans dropping leaves 30%, 1983 33%, 34% average. Harvest: Soybeans 4%, 1983 3%, 10% average. Corn for grain 77%, 1983 82%, 84% average. Sweetpotatoes 44%, 1983 42%, 61% average. Apples 81%, 1983 67%, 78% average. Sorghum grain 58%, 1983 40%, 59% average. Cotton 22%, 1983 48%, 38% average. Peanuts dug 81%, 1983 15%, 50% average. Peanuts threshed 56%, 1983 10%, 38% average. Planted wheat 15%, 1983 18%, 18% average. Major farm activities: Corn grain harvest, digging and threshing peanuts, digging sweetpotatoes, planting small grains, discing crop residue, defoliating and picking cotton, marketing tobacco, peanuts and corn, and general farm maintenance.

NORTH DAKOTA: Mild temperatures prevailed over State last week. All sections had much above normal temperatures. Temperatures from 8 to

above normal north central to 11.70 above normal east central. Warmest was 810 southeast, coolest was 270 south central. All precipitation occurred as rain. Greatest rainfall over parts of northwest. Highest rainfall amount, 1.80 in. reported northwest. Southwest, south central and west central had least rainfall averaging 0.05, 0.14 and 0.08 in. respectively.

Rain and damp weather over most of the State slowed progress of row crop harvesting. Increased moisture allowed fall tillage and fertilizer application to make good progress. Above normal temperatures delayed sugarbeet lifting. An average of 4.9 days were suitable for fieldwork. Above suitable for fieldwork. Soil moisture below last year and average. Topsoil moisture supplies 80% short or very short and 20% adequate. Average 41% short or very short, 51% adequate and 8% surplus. Subsoil 100% short or very short. The percent harvested compared to last year and average: Sunflower 27, 42, 24; soybeans 92, 71, 59; corn grain 48, 69, 36; potatoes 99, 84, 89; sugarbeets 39, 58, 51.

OHIO: Daytime temperatures near normal. Range from low 50's to upper 80's. Lows averaged 8 to 100 above normal. Precipitation totals under 0.50 in. for the most part. Soil temperatures averaged in low 60's.

Topsoil moisture 11% short, 76% adequate, 13% surplus; 4.0 days suitable for fieldwork. Main activities harvesting corn for grain and silage, combining soybeans, planting winter wheat. Corn mature 92% 1984, 100% 1983, 95% average; harvested 15% 1984, 30% 1983, 25% average. Soybeans dropping leaves 97% 1984, 100% 1983, 100% average; harvested 35% 1984, 65% 1983, 50% average. Winter wheat planted 50% 1984, 70% 1983, 65% average; emerged 22% 1984, 35% 1983, 25% average; condition good. Pasture condition fair to good.

OKLAHOMA: Temperatures averaged well above normal statewide. Averages ranged 20 above normal Panhandle and north central to 50 above normal northeast, east central, southeast. Precipitation varied greatly ranging 0.14 in. west central to 2.07 in. northeast.

Row crop harvest active. Late spring, dry summer, early frost reduced crop yields substantially. Isolated downpours week ago washed out sizeable acreages eastern Panhandle. Wheat, sorghum, and cotton fair, pastures fair to poor, cattle good to fair condition. Wheat planted: 40%, 75% 1983, 70% average. Wheat emerged: 15%, 40% 1983, 35% average. Sorghum mature: 95%, 85% 1983, 85% average. Sorghum harvested: 20%, 25% 1983, 30% average. Cotton open bolls: 75%, 75% 1983, 80% average. Cotton harvested: 5%, 5% 1983, 5% average.

OREGON: Week long rain left 3.50 in. of precipitation at coast, and 1.50 in. in Willamette Valley. East of Cascades, 0.50 in. of precipitation at end of week. Temperatures were 3 to 40 above normal in all areas, except Willamette Valley and north central were 60 above normal.

Rain delayed fall grain seeding in west. In east, dry topsoil slowed seeding. The winter wheat crop 39% planted and 16% emerged. Last year: 62% seeded and 34% emerged. Average: 68% seeded, 36% emerged. Other fieldcrop activities: Corn for grain harvest near Hermiston: sugarbeet harvest starting in Malheur County. Filbert harvest halted by rains. Walnut harvest to begin next week. Red and Golden Delicious apples being picked in southern

Willamette Valley. Herbicides on orchards further north. Liming, pruning and training of raspberries. The rain aided cranberry screening. One-fourth of crop is screened. Quality is good, color excellent, very little rot. Hood River Valley: Upper area still has Anjou pears on trees; middle valley apple harvest in full swing; lower region apple picking winding down. Apple harvest in Wasco County. In Milton-Freewater area, harvest of Red Delicious apples 90% complete. Potatoes: Hermiston-Boardman area fall storage harvest in full swing; in central areas harvest progressing well, yields normal, quality good; Klamath County about 25% harvested; Malheur County still harvesting; harvest continues in the Willamette Valley. Onions: harvest continues in Hermiston-Boardman area; harvest near complete in Malheur County; Willamette Valley growers still have 20% of crop curing in field. Sweet corn and cauliflower harvests continue, but slowed by rains. In west, livestock and pasture conditions fair to good. Rains were needed, now needed warmer weather for growth. Most pasture seeding complete; fall fertilization well along. In east, livestock rangeland condition good. Seasonal movements of cattle to feedlots in progress.

PENNSYLVANIA: Statewide average temperature was 59.0, 7.0 above normal. Extremes were a high of 79.0 on the 14th and a low of 28.0 on the 8th. Average precipitation was 0.10 in., 0.56 in. below normal. For eight consecutive weeks rainfall has been below normal. The mid-central area received the greatest amount, with division 5 reporting a total average of 0.16 in.

Days suitable: 6.0. Moisture adequate to short. Activities: Fall plowing; seeding small grains; making hay; harvesting green chop, ensilage, high moisture ground ear and shelled corn, corn for grain, soybeans, potatoes, apples, grapes, cabbage, and cauliflower. Soybeans 14% harvested, last year 25%. Potatoes 86% harvested, last year 87%. Corn silage 68% harvested, last year 87%. Corn for grain 64% mature and 9% harvested. Last year 87% mature and 16% harvested. Average 80% mature and 18% harvested. Fall plowing 81% complete; last year 86%, average 86%. Wheat 78% planted, last year 73%. Barley 88% planted, last year 92%. Harvest third crop alfalfa 94% complete, last year virtually complete. Fourth crop alfalfa 61% harvested, last year 66%. Quality of hay made mostly fair to good. Feed from pastures average to below average.

PUERTO RICO: Island average rainfall 2.54 in. or 0.71 in. above normal. Highest weekly total 5.80 in. Highest 24-hour total 2.97 in. Temperature averaged about 81 to 80° on coasts and 77 to 73° interior divisions. Mean station temperature ranged from 81.9 to 67.4°. Extremes 94 and 62°.

SOUTH CAROLINA: Weather across State mostly sunny and dry. Daytime highs mostly around 80°. Nightly lows near 50°. Temperatures averaged 1 to 3° above normal. Week was practically rainless.

Soil moisture mostly short. Days available for fieldwork: 6.0. Soybean condition fair; 83% leaves turning, 72% last year, 78% average; 46% shedding leaves, 41% last year, 51% average; 20% mature, 9% last year, 19% average; 3% harvested, 2% last year, 4% average. Cotton condition good; 93% open bolls, 100% last year, 95% average; 28% harvested, 67% last year, 51% average. Sorghum condition fair to good; 65% harvested, 69% last year, 60% average. Tobacco

harvesting complete; 88% stalks destroyed, 88% last year. Apple harvest virtually over; 87% harvested, 91% last year, 94% average. Small grain conditions poor to fair: Wheat 3% planted, 4% last year, 7% average; oats 17% planted, 17% last year, 18% average; barley 17% planted, 16% last year, 20% average; rye 16% planted, 25% last year, 19% average.

SOUTH DAKOTA: Average temperatures 6 to 13° above normal. Extremes 86 and 29°. Outside the Black Hills the low was 36°. Rainfall totals ranged from 0.00 in. in the far west to 1.73 in. in the east central.

Days suitable for fieldwork: 3.2. Topsoil moisture supplies mostly adequate over the eastern third and along the western border. Short to critically short supplies exist throughout the central portions. Main farm activities included hauling hay to winter stock lots, moving cattle, and harvesting row crops where dry enough. Range and pastures fair to good. Livestock good. Sorghum mature 90%, 1983 100%, average 92%. Sorghum harvested 24%, 1983 57%, average 45%. Corn mature 90%, 1983 100%, average 100%. Corn harvested 15%, 1983 56%, average 35%. Winter wheat seeded 100%, 1983 100%, average 100%. Winter wheat emerged 82%, 1983 88%, average 91%.

TENNESSEE: A stationary high pressure area over the eastern States covered the State; however, a series of upper level disturbances caused scattered rainfall early in the week. Rainfall occurred again later in the week. Rainfall totals ranged from less than 0.10 to over 8.00 in. Temperatures averaged 5 to 6° above normal.

Farmers averaged 4.5 days of fieldwork. Soil moisture levels: 12% surplus, 32% adequate, 28% short, 28% very short. Corn mature: 92%, 1983 96%, average 97%; harvested: 36%, 1983 57%, average 53%. Cotton harvested 21%, 1983 70%, average 46%. Soybeans shedding leaves: 84%, 1983 96%, average 80%; mature: 22%, 1983 49%, average 38%; harvested: 3%, 1983 14%, average 12%. Burley tobacco stripped: 11%, 1983 16%, average 22%. Wheat sown: 20%, 1983 23%, average 37%. Sorghum mature: 89%, 1983, harvested: 35%. Pastures and livestock in mostly fair condition.

TEXAS: Tropical airmass located over State majority of week. Strong upper level disturbances across State producing heavy rains, cloudy conditions many areas. Temperatures close to normal Panhandle, West, far West Texas. Remainder State's temperatures 2 to 4° below normal. Rainfall for week averaged normal for Panhandle, West, far West Texas, Lower Valley, amounts 0.10 in. or less. Remainder of State far above normal, amounts of 2.00 to 3.00 in. Upper Coast averaged nearly 4.50 in.

Crops: Most State moderate heavy rain. Field activities halt due saturated ground. Small grains benefit from moisture, planting should pick up as result of rain. Range conditions improving livestock conditions begin to improve as small grain pasture, range grasses begin grow. Cotton progress High Plains slow due cool temperatures. Warmer temperatures needed for maturing. Harvesting activities southern High Plains stalled due to showers. Harvesting activities delayed Low Plains. Heavy rains interrupted activities East Texas. Harvest activities nearing completion Blacklands when rain arrived. Current condition 65% normal compared 57% year ago. Reported conditions 2% excellent, 50% good, 28% fair, 16% poor, 4% failure. Grain sorghum harvesting activities

High Plains minimal. Frost cut yields in areas. Late planted fields would benefit warmer temperatures. Harvesting activities nearing completion Low Plains as rain halted fieldwork. Minor hail damage reported. Weeks end, condition rated 65% normal compared 56% year ago. Current conditions 3% excellent, 43% good, 33% fair, 16% poor, 5% failure. Corn harvesting continued High Plains, rain halted activities. Showers during growing season led to good to excellent yields on irrigated fields. Dryland fields showed minor benefits from showers. Harvest pick up as conditions permit. Peanut harvesting spread Blacklands, Cross Timbers, rain halted progress. Greening occurred due to rain. Minor sprouting occurred. Rain showers help improve yields on late planted dryland fields. Irrigated yields average. Small grain planted prior showers greatly benefit. Good germination, growth reported High Plains. Good rains remainder State allowed small grains make good progress. Planting activities pick up as soil dries. Planting ahead of schedule. Soybean harvest High Plains advance when conditions improve. Wet ground temporarily halted operations. Late beans good maturing Upper Coast. Sugarbeet harvest good progress before showers. Excellent quality, sugar content reported. Harvest activities ahead of schedule.

Cotton open bolls 57%, 81% 1983, 71% average; harvested 19%, 23% 1983, 22% average. Sorghum turning color 99%, 100% 1983, 98% average; mature 87%, 94% 1983, 90% average; harvested for grain 73%, 77% 1983, 77% average. Wheat planted all purposes 69%, 53% 1983, 61% average; emerged 30%, 22% 1983, 37% average. Corn harvested for grain 92%, 97% 1983, 90% average. Peanuts harvest 28%, 32% 1983, 41% average. Soybeans harvest 39%, 15% 1983, 20% average. Sugarbeets harvested 43%, 16% 1983, 10% average. Pecans harvest 0%, 2% 1983, 1% average. Sunflower harvest 43%, 52% 1983, 48% average. Oats planted all purposes 60%, 47% 1983, 51% average.

Commercial vegetables: Rio Grande Valley, soil moisture good, fields saturated by showers. Good growth vegetables reported. Citrus groves benefit from showers. High Plains, harvest carrots, bell peppers moved steadily before showers. San Antonio-Winter Garden, good progress reported planted vegetables. Recent rains improved soil moisture, activities increase conditions permit. East Texas, rain halted sweetpotato harvest. Potatoes show good quality, however smaller in size. Trans-Pecos pepper harvest interrupted by showers. Cabbage making good growth. Pecan harvest Central Texas on minor scale. Yields down. Maturing occurring many areas. Heavy nut droppage continues.

Range and livestock: Range, pasture conditions improve over State due rain showers. Many ranges showing growth, greening from showers. Small grains for pastures showing good stands High Plains, stockers moved on few weeks. Livestock conditions steady. Supplemental feeding occurring. Stock tanks caught some runoff, range feed situation improving.

UTAH: Front moving across State latter part of week deposited highly variable amounts of precipitation at half of stations. Amounts generally light to moderate with few heavy accumulations north central division. Maximum temperatures averaged 4° above normal north and 2° above south, ranging normal to 8° above. Minimum temperatures averaged 3° above, ranging 2° below normal to 9° above.

Harvest of silage corn, potatoes and onions nearing the end. Apple pickers busy. Some

farmers still trying to seed winter wheat.

VIRGINIA: Indian summer weather prevailed, temperatures ranging in 70's and 80's during day, 40's and 50's at night. Precipitation very light, with southwest sections receiving only 1.00 in.

Little rain for the past week caused moisture ratings to be 77% short and 23% adequate. Days suitable for fieldwork averaged 6.1. Maturity reached by corn 100%. Harvest of corn grain 61% complete, 67% last year and 63% average. Silage 97% complete, the same as last year. Corn yields still reported above average. Soybean condition good although dry conditions hindered doubled crop growth. Harvest 7% complete, 6% last year and 8% average. Tobacco curing, marketing and grading active. Peanut condition good to excellent. Harvest ahead of schedule because of clear weather. Peanuts dug 84% complete, 31% last year and 58% average. Peanuts combined 66% complete, 16% last year, 43% average. Peanut quality good to excellent, yields a little above average. Apple harvest ahead of normal with 78% complete and 59% last year. Small grain seeding, bed preparation and fertilizing continues to be active. Warm weather may delay wheat planting. Oats 61% complete, 52% last year, 61% average. Barley 41% seeded, 58% last year, 48% average. Wheat 20% seeded, 23% last year, 22% average. Sorghum harvest 15% complete, 11% last year, 12% average. Livestock marketing and routine fall fieldwork progressing vigorously statewide.

WASHINGTON: Winter wheat seeding progress slower than normal, 75% seeded compared to 89% last year and average of 84%; 60% emerged, compared to 70% last year and 63% average. Cheatgrass causing problems. Potato and dry bean harvests continue. Hay harvest winding down. Activity in berry fields minimal. The cool, moist weather slowing vegetable production. Livestock in fair to good condition. Pasture conditions poor to fair. Cattle being moved to winter pastures. Heavy rains fell in west. Lighter rainfall to east but most totals above normal. Temperatures from high's in 80's to lows in 30's.

WEST VIRGINIA: Temperatures were 5 to 7° above normal across the State. The week's high of 80° was reported at several locations in the western division. Green Bank had the low of 39°. No frost was reported during the week. Precipitation was slightly below normal.

Soil moisture adequate to short. Days worked averaged 5.2. Third cut hay was 93% complete at 95% of normal. Fall seeding of wheat 73% complete and barley 82% planted. Corn in good to fair condition with 6% in dough, 47% mature and 47% harvested. Pasture in fair to good condition.

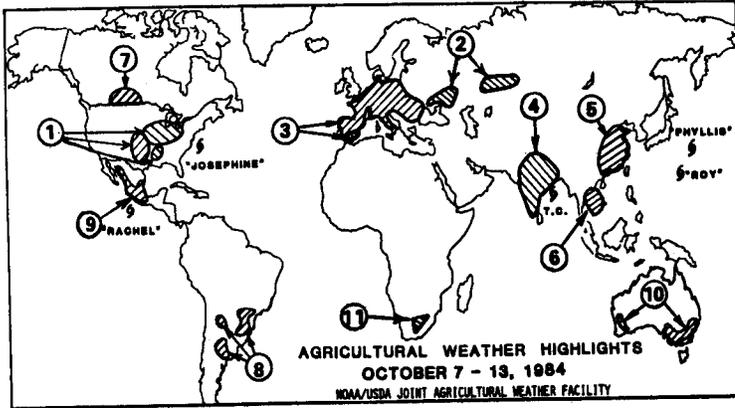
WISCONSIN: State experienced a week of clouds, periods of rain and widespread areas of dense fog. Temperatures were mild with highs generally in the 60's and 70's and lows in the 50's. Precipitation totals averaged around 0.50 in. across the State.

Hayfields and pastures greened up across the State from rains of previous week. Damp weather considerably slowed the drying down of crops and harvesting. Silo filling was 82% complete, 74% last year, 69% average. Corn for grain was 17% harvested, 15% last year, 12% average. Soybeans were 27% harvested, 17% last year, 20% average. Fall plowing was 19% completed, 21% last year, 16% average. Cranberry harvest in full swing.

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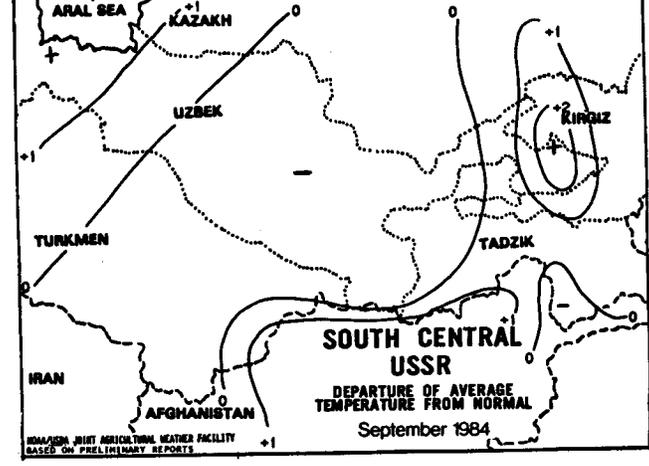
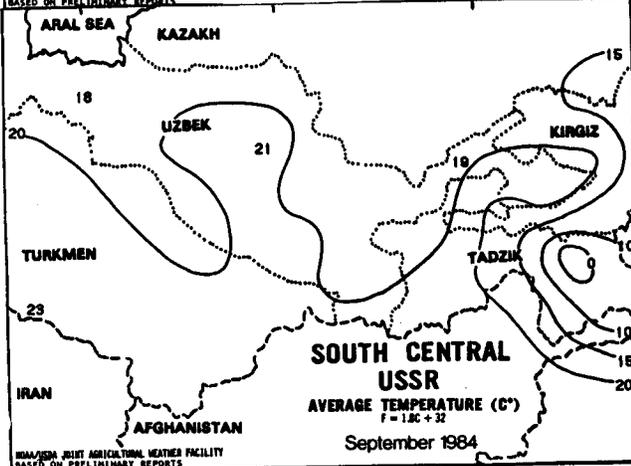
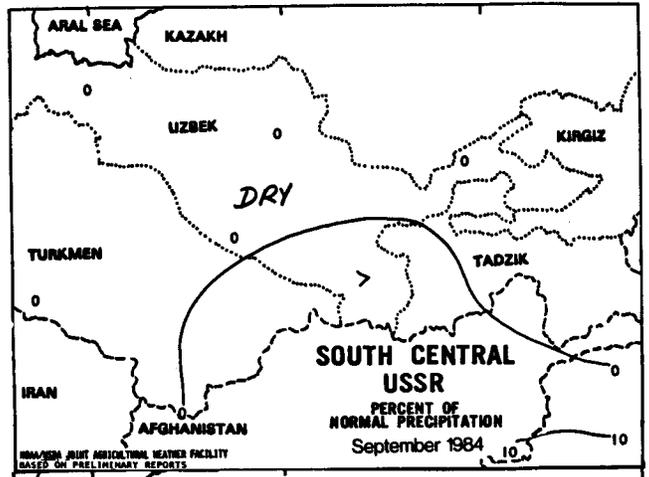
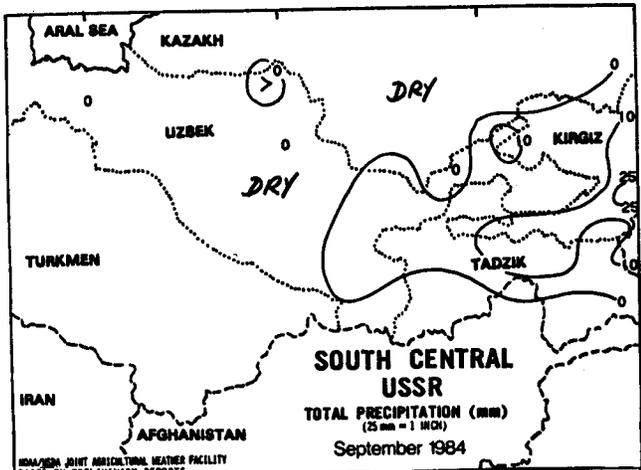
International Weather and Crop Summary

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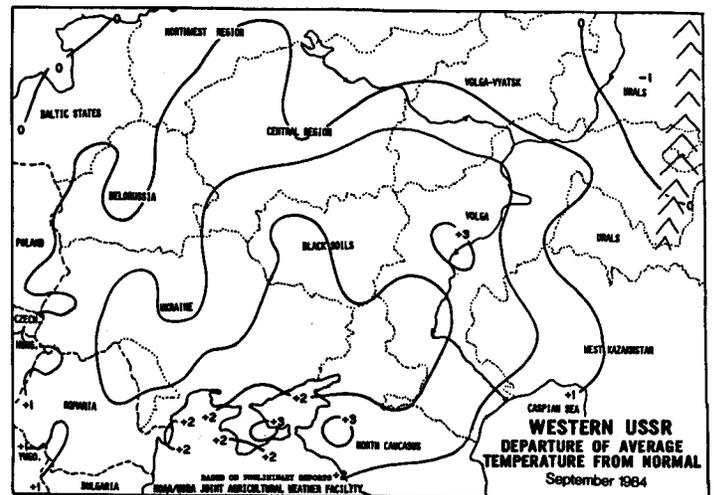
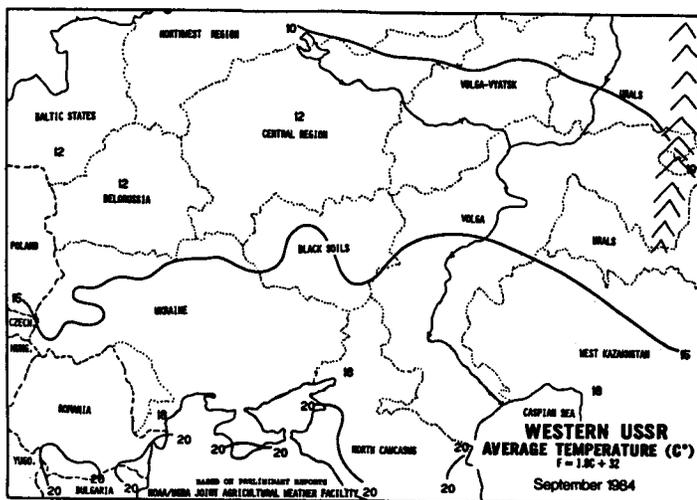
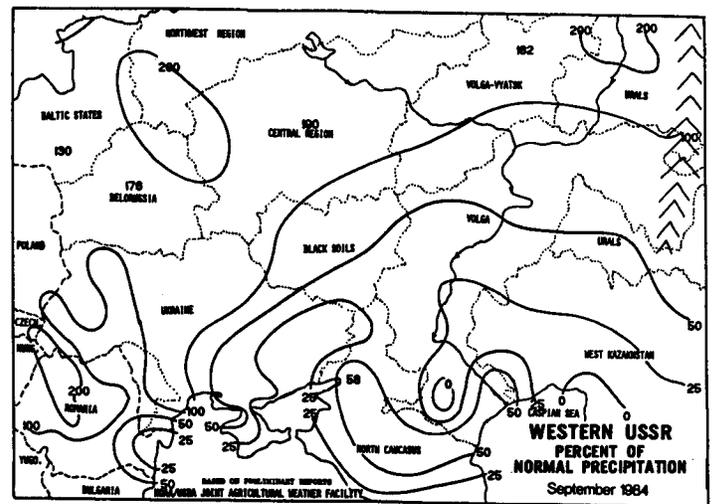
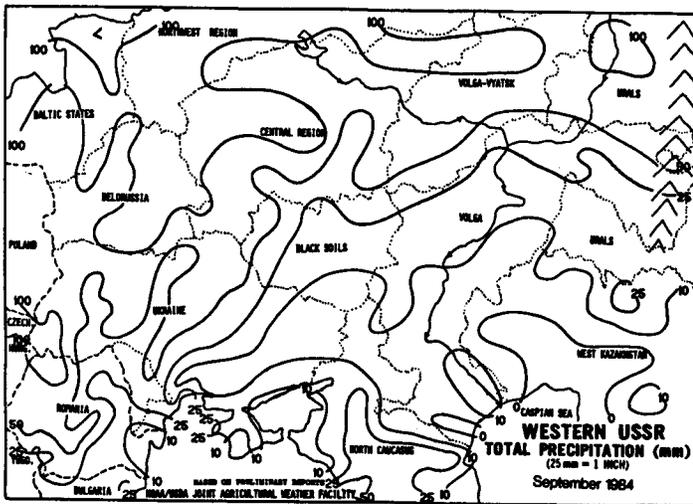
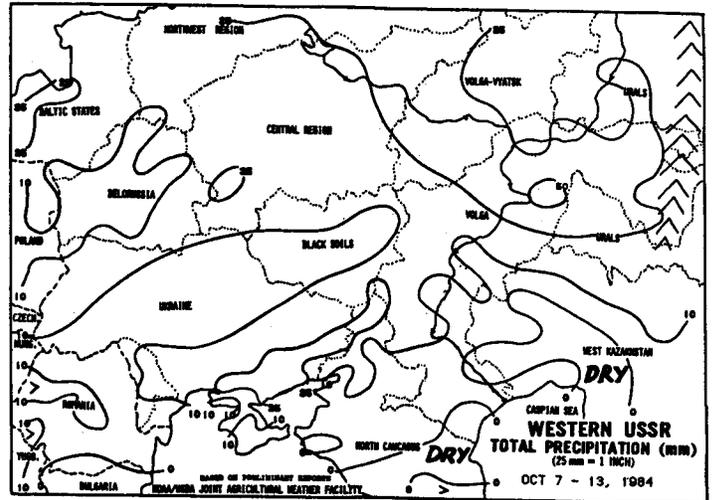


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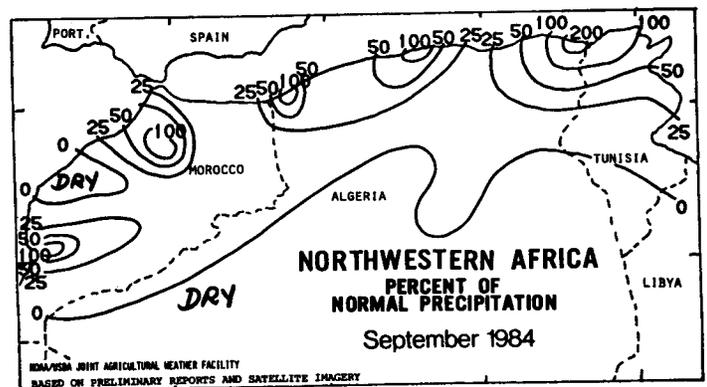
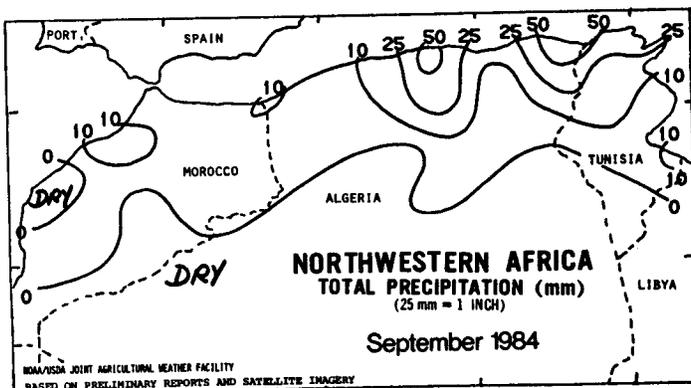
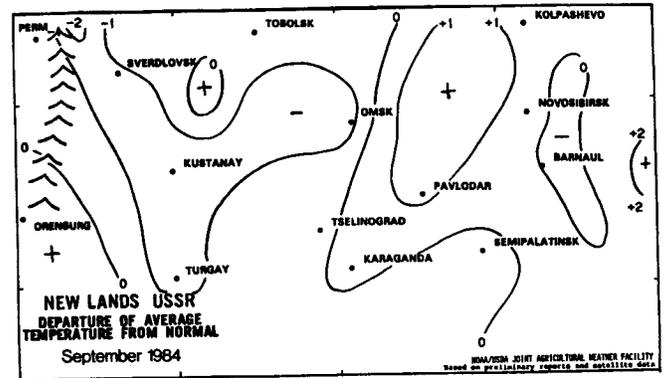
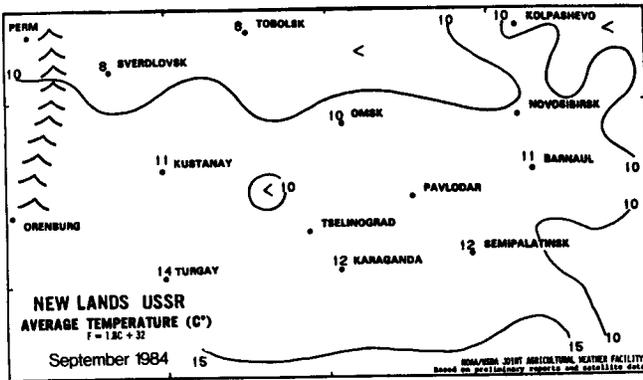
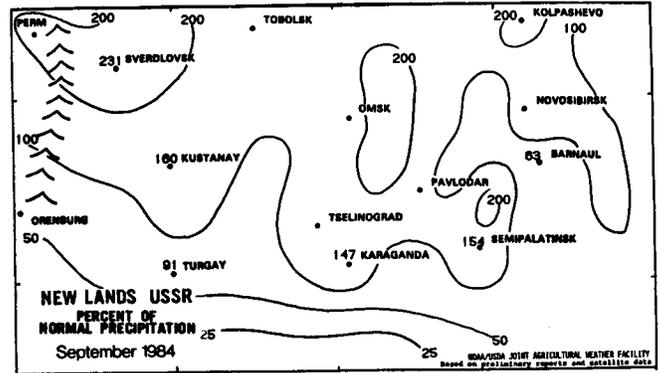
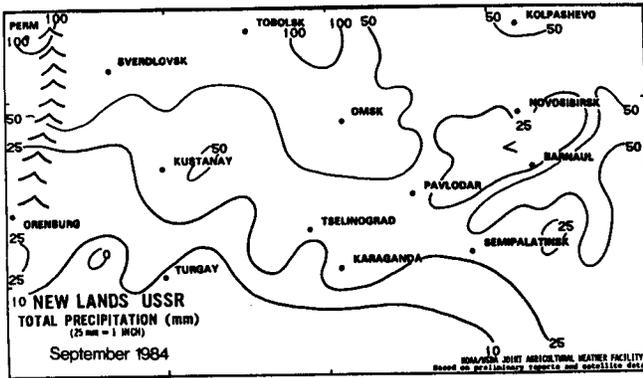
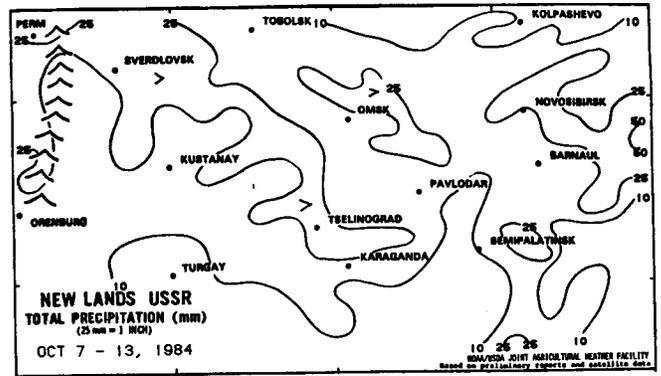
1. UNITED STATES ... Additional rains help central Plains winter grains. Heavy downpours for the last two weeks are unfavorable for open-boll Delta cotton. Corn belt harvest is delayed by wet weather.
2. USSR ... Showers improve moisture conditions for winter wheat planting in the southern and eastern Ukraine, northern North Caucasus, and the Volga Valley. Rain, snow, and high winds delay late harvesting in the New Lands.
3. EUROPE ... Dry weather follows persistent wetness in France, favoring harvesting. Winter grain planting moisture conditions are favorable over much of the region except southern Spain and parts of the southeast.
4. SOUTH ASIA ... Southern precipitation benefits cotton in the boll formation stage. Moisture conditions are mostly adequate for wheat establishment in the major producing areas.
5. EASTERN ASIA ... Dry and warm weather improves summer crop harvesting and winter wheat planting conditions. Southern rain benefits late rice in the late filling stage.
6. SOUTHEAST ASIA ... Tropical Storm Susan produces moderate to heavy rain in southeastern Indochina, benefiting rice. However, some coastal flood damage may result.
7. CANADA ... Mostly dry and mild weather favors harvesting in Alberta where earlier wetness reduced the mature crop quality. The harvest is virtually complete elsewhere in the Prairie grain belt.
8. SOUTH AMERICA ... Widespread rain falls over northeastern Argentina and much of Brazil's soybean area. Light, scattered showers cover Argentina's wheat and corn areas. Summer crop planting is underway. Brazil wheat is maturing.
9. MEXICO ... Decreasing tropical showers favor summer crop harvest and cultivating fall vegetables.
10. AUSTRALIA ... Wheat advances through the reproductive cycle in the grain belt with favorable moisture and seasonal temperatures. Scattered showers fall in the west and south, while the east is dry.
11. SOUTH AFRICA ... Significant, timely rain has likely initiated planting in the Maize Triangle. Additional rain will be needed to replenish the subsoil.



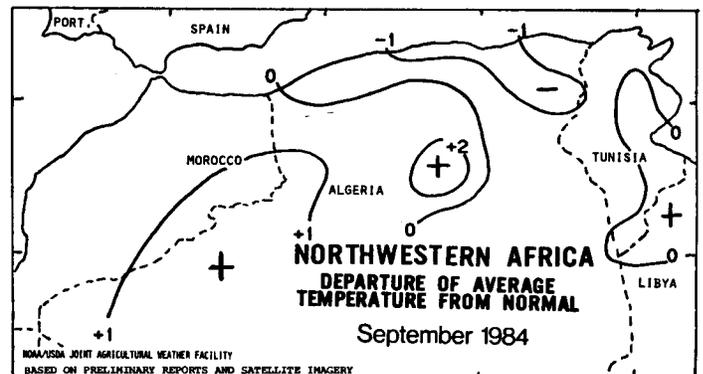
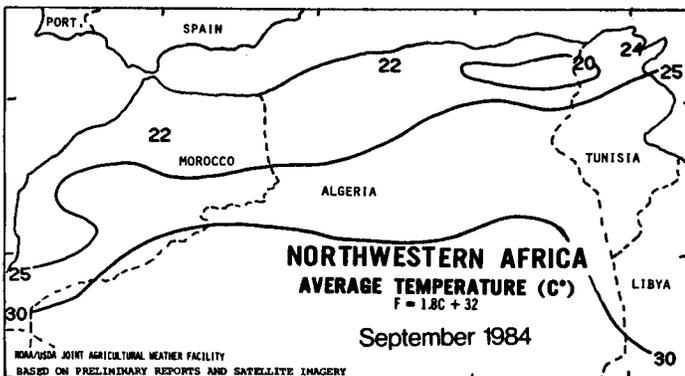
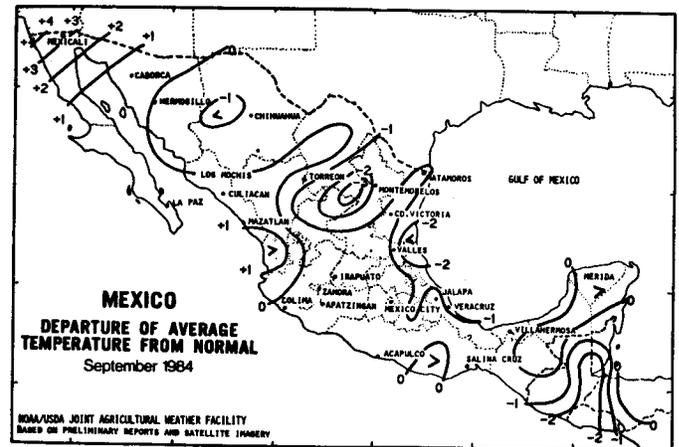
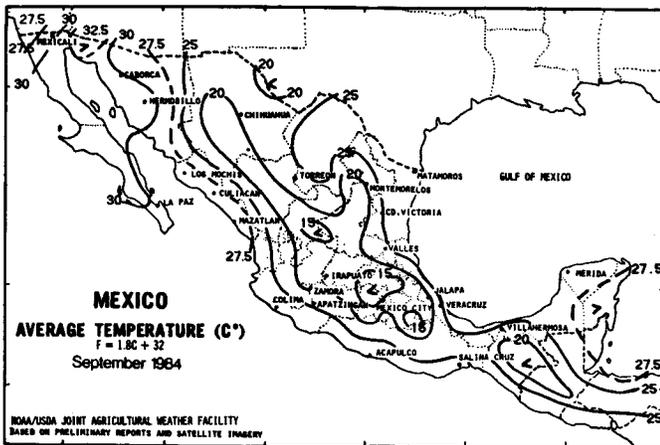
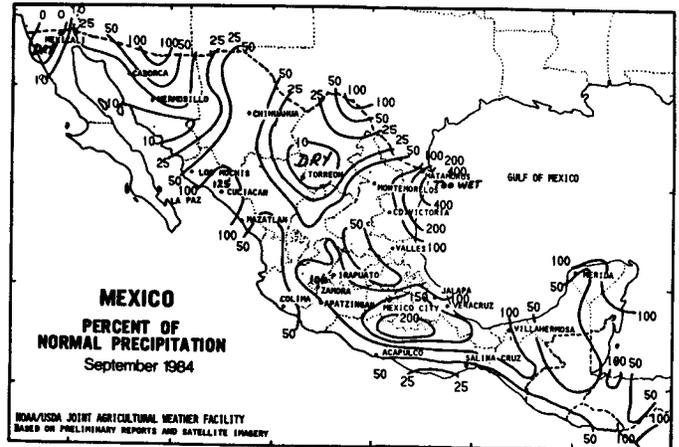
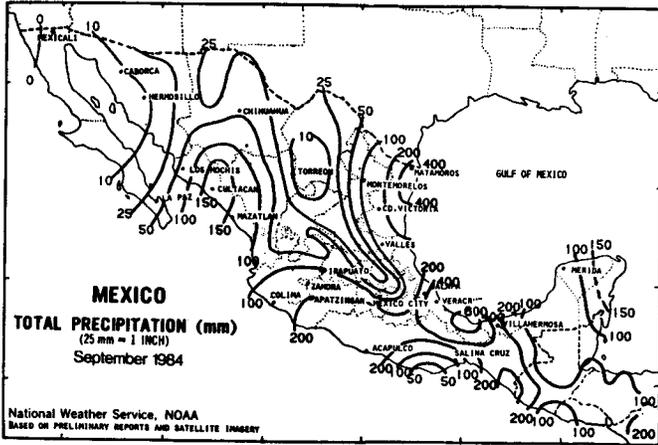
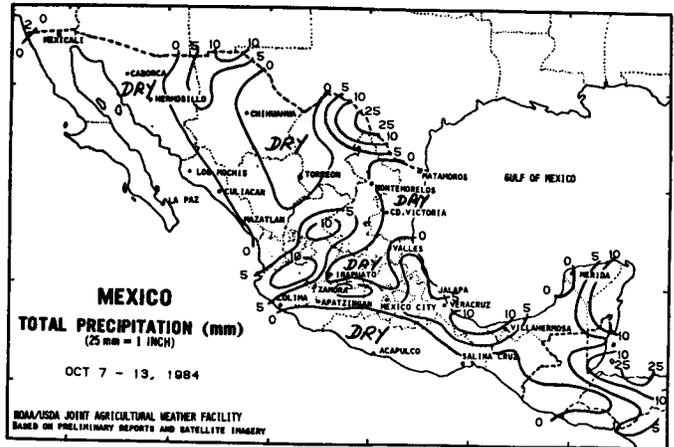
WESTERN USSR...Widespread showers (10-25 mm) fell in a band stretching northeastward from southern and eastern Ukraine, through northern North Caucasus, and into the Volga Valley. As a result, weekly precipitation was greater than that for September. September's dry pattern favored harvesting and the recent rains improved topsoil moisture needed for winter wheat emergence and early establishment. Mostly dry weather covered the north-central Ukraine, favoring the corn and sugar beet harvests. In contrast, above normal September precipitation fell over these areas, providing abundant moisture for winter wheat planting and emergence. Elsewhere, wet weather across the north continued September's above normal precipitation pattern, benefiting early winter grain establishment. However, reports indicate planting delays in the northwestern crop areas that received the greatest precipitation amounts during September.



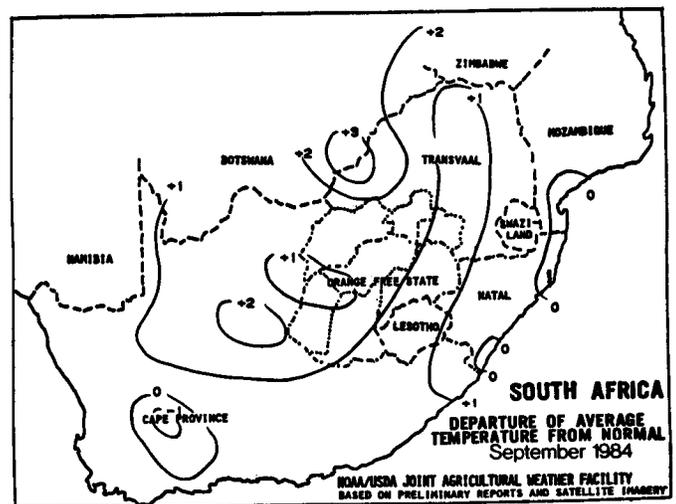
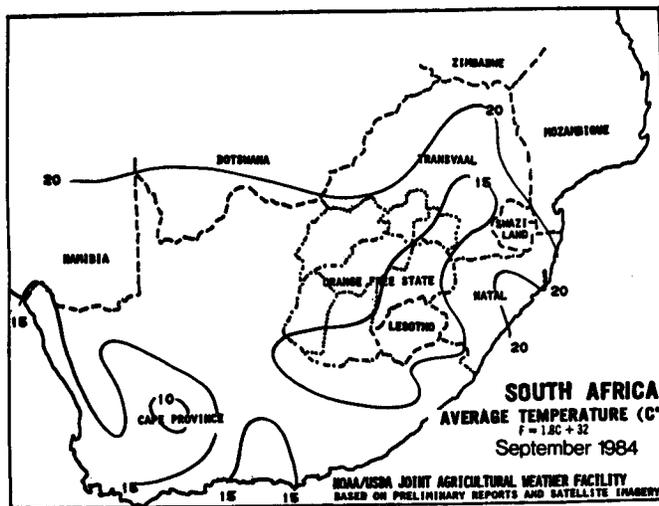
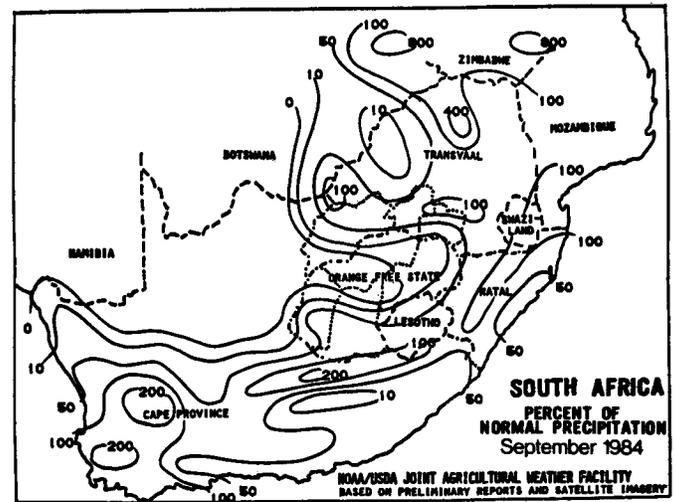
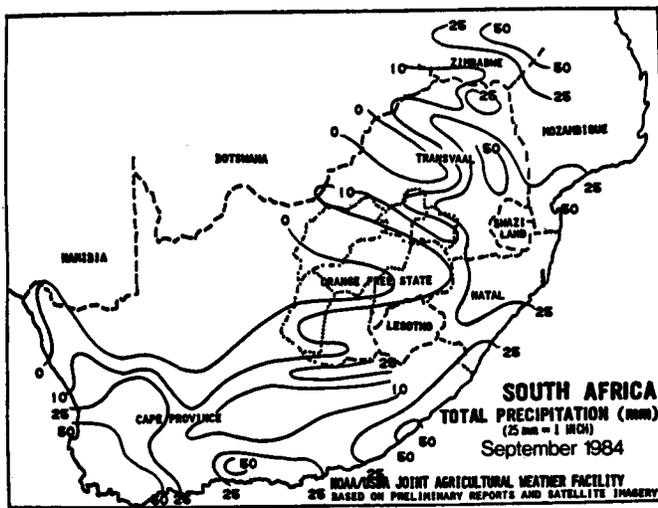
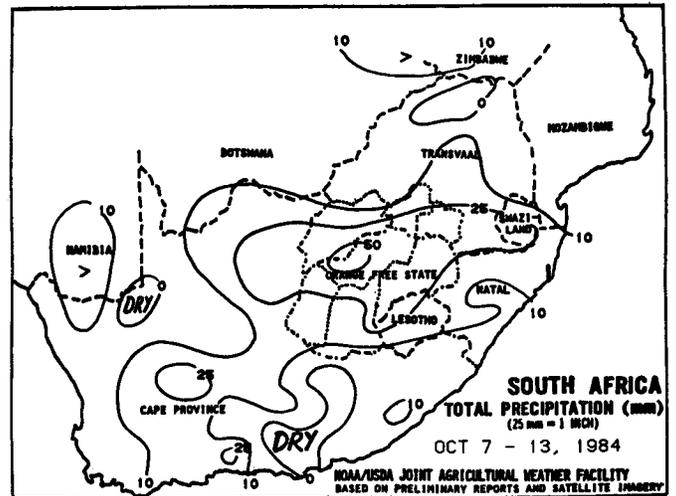
NEW LANDS...A series of eastward moving storm systems produced rain, snow, and high winds over much of the region. Precipitation amounts around 25 mm and subfreezing temperatures delayed late harvest efforts. In September, the bulk of spring grains in the north and east remained unharvested. Persistent showers and cool weather during the month created harvest delays in minor northwest spring wheat areas. In contrast, eastern spring wheat areas, historically accounting for about 20 percent of the total spring wheat production, had 3 weeks of favorable harvest weather. 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 seasonal September temperatures aided harvesting. Scattered showers in southern cotton growing areas this past week may have slowed harvesting.



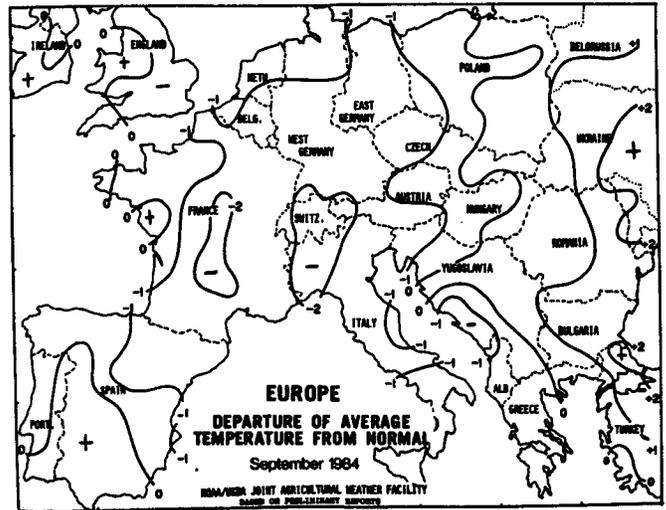
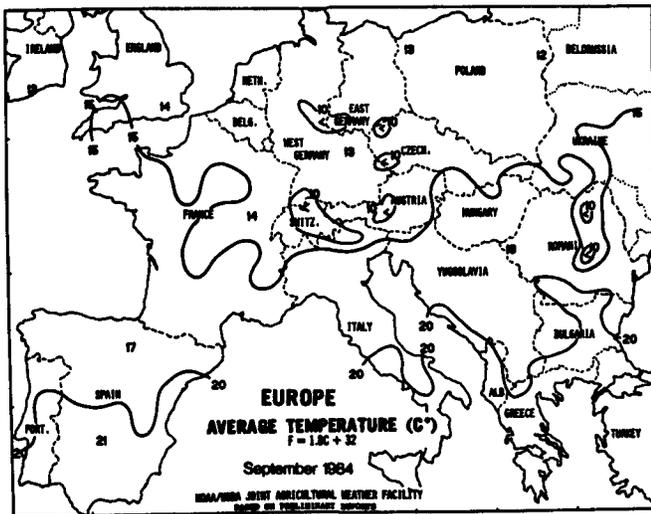
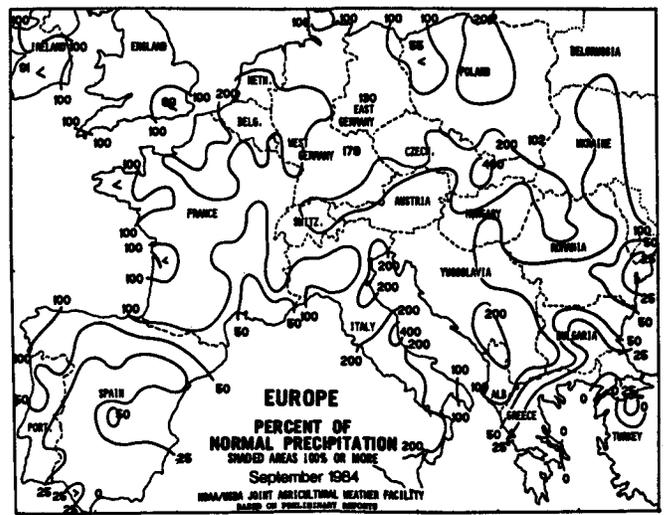
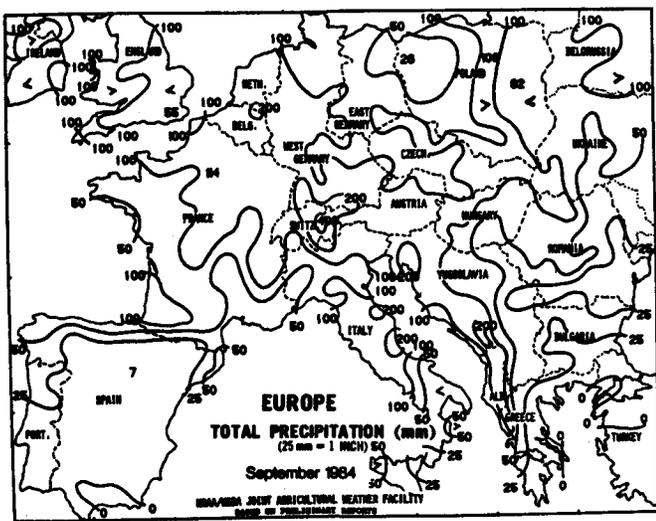
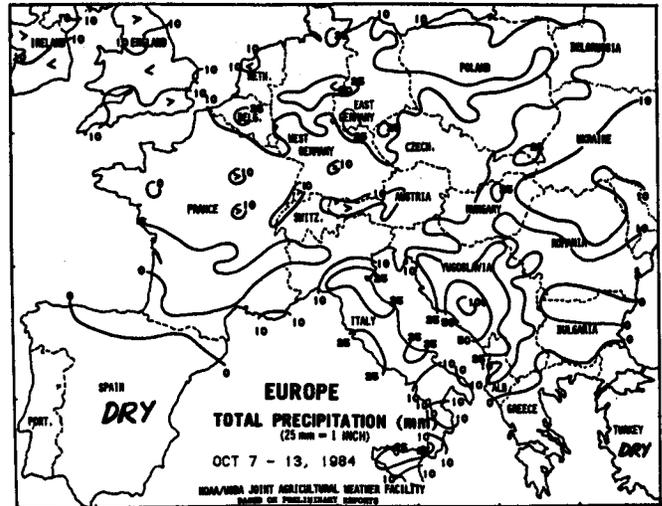
MEXICO...Tropical weather decreased abruptly over most of the Nation, favoring summer field crop harvesting and fall vegetable cultivating. However, 10-20 mm of rain doused the western part of the southern Plateau corn belt, slowing corn and edible bean harvests. The eastern section's sunny, mild condition was ideal for field activities. Showers also decreased seasonably over most of Central America. Excessive September rain over central Sinaloa likely damaged some mature soybeans and late cotton. Most of the southern Plateau corn belt had adequate moisture for maturing crops, except a portion of the northeast only received 10-20 mm. Drought persisted across part of the north central region. The upper northeast coast was inundated by torrential rains over 400 mm.



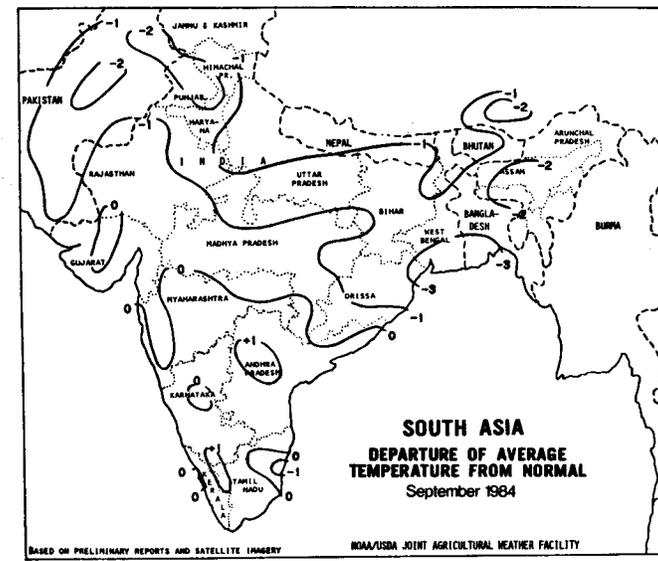
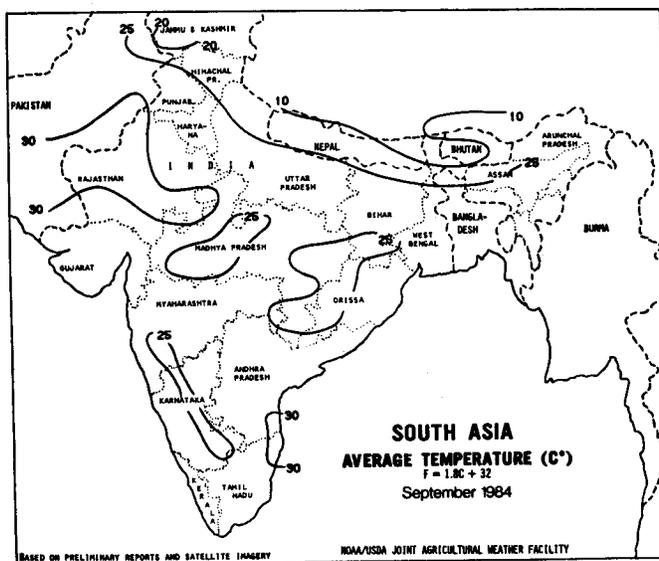
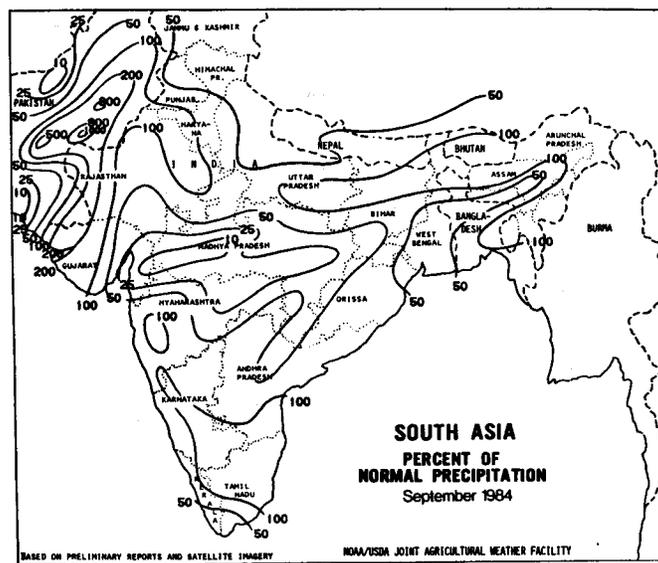
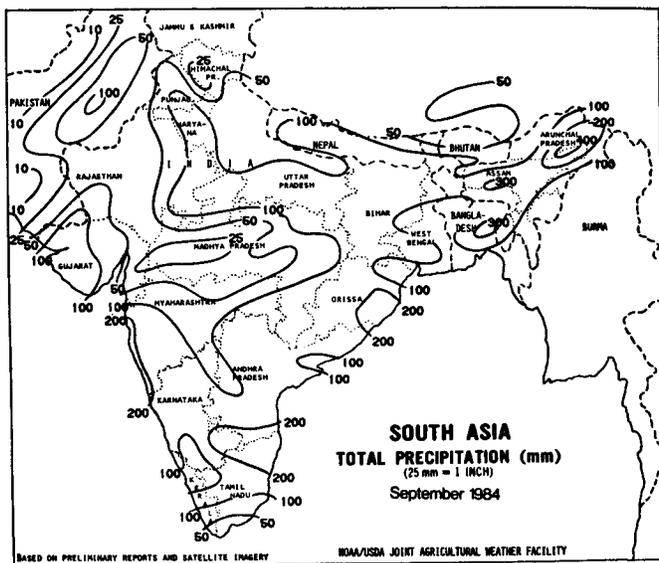
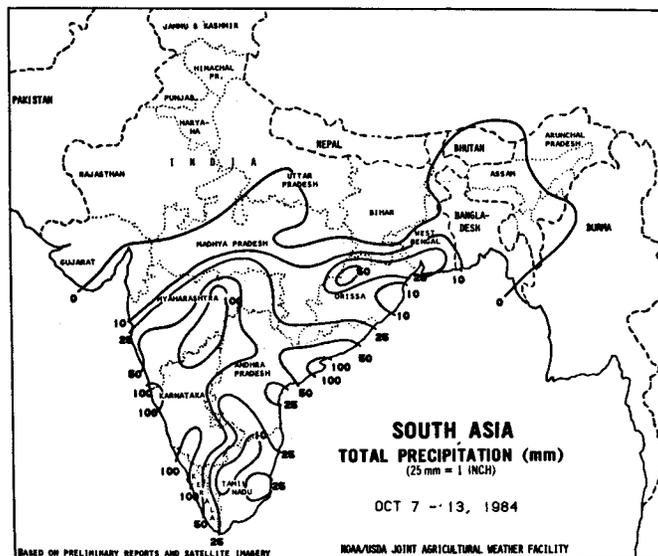
SOUTH AFRICA... Significant precipitation (25-50 mm) fell across the major producing region in the Maize Triangle. Corn planting has likely begun in many areas, but the recent rain only moistened the topsoils. Subsoil moisture needs to be replenished to maintain favorable corn growing conditions. Scattered, light showers fell in northern Transvaal, following moderate rain last week. Temperatures averaged slightly below normal, but were favorable for planting.



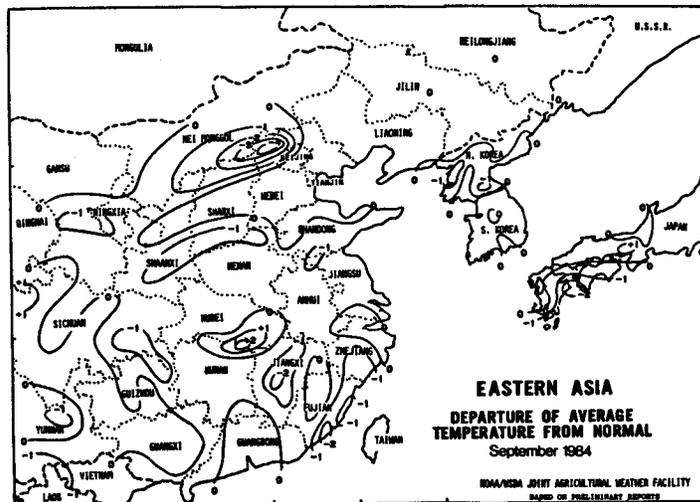
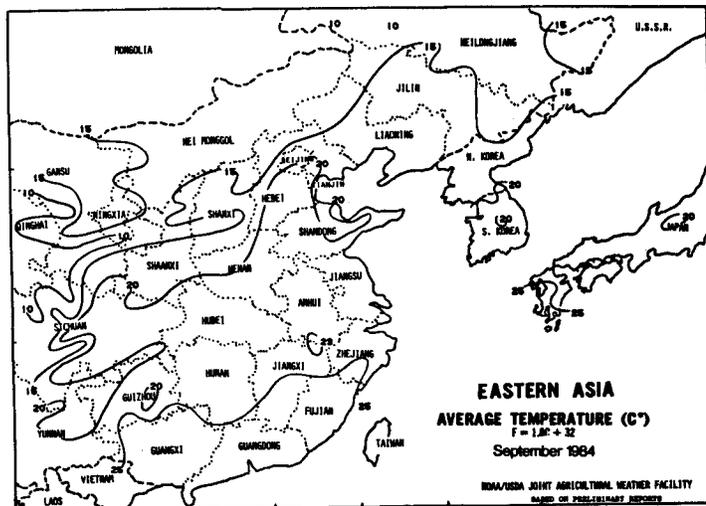
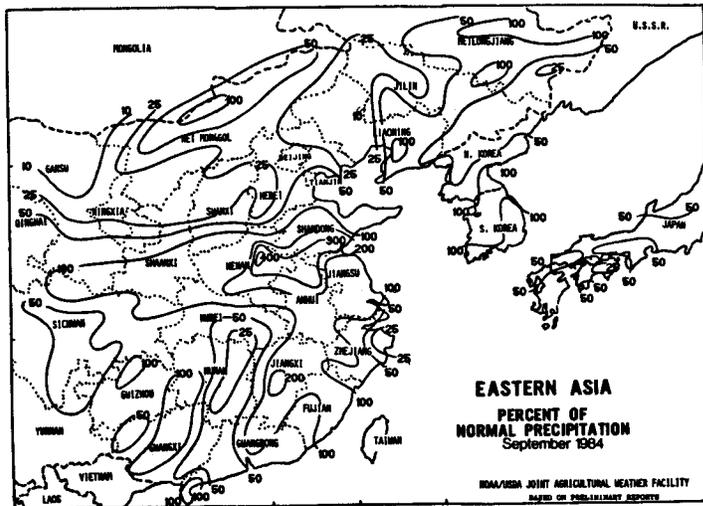
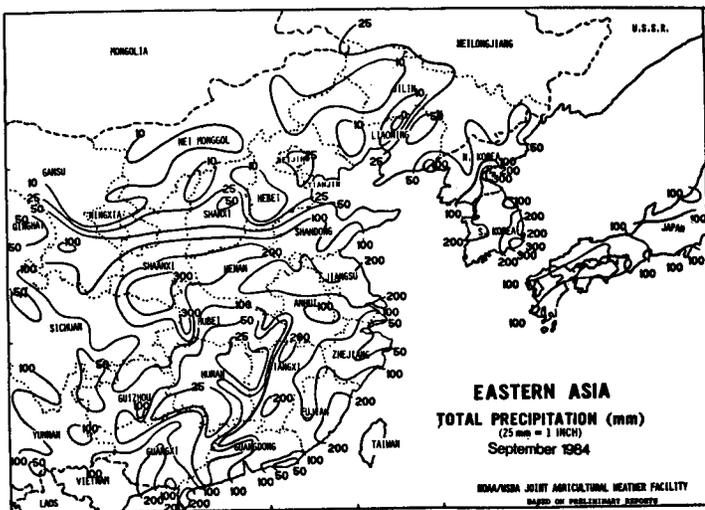
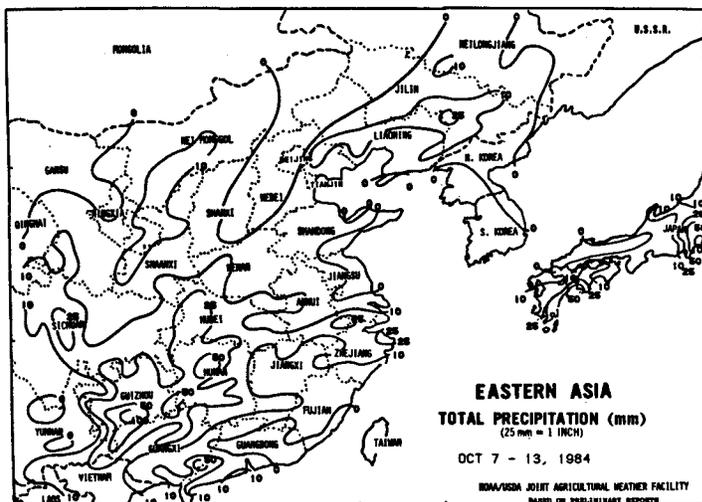
EUROPE...A high pressure system kept the central region crop areas mostly dry. The dry weather in France reversed September's above normal precipitation pattern, favoring the corn and sugar beet harvests. Showers (10-25 mm) continued September's wet pattern in northern West Germany and East Germany. Although moisture is abundant for early winter grain growth in these areas, the continued showers may delay the sugar beet harvest and winter grain planting. In the southeast, generally dry weather aided corn harvesting and winter grain planting in Romania, eastern Yugoslavia, and Bulgaria. Additional showers are needed for winter grain planting in southeastern Romania and Bulgaria, which received well below normal September precipitation. Overall, winter grain planting moisture conditions are favorable in most areas except southern Spain and parts of the southeast.



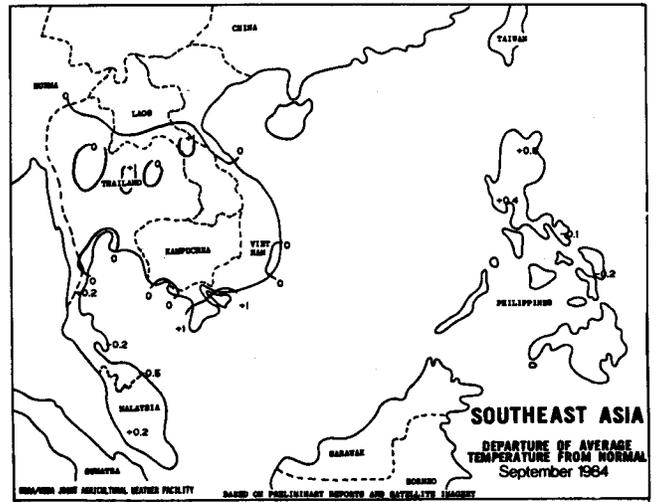
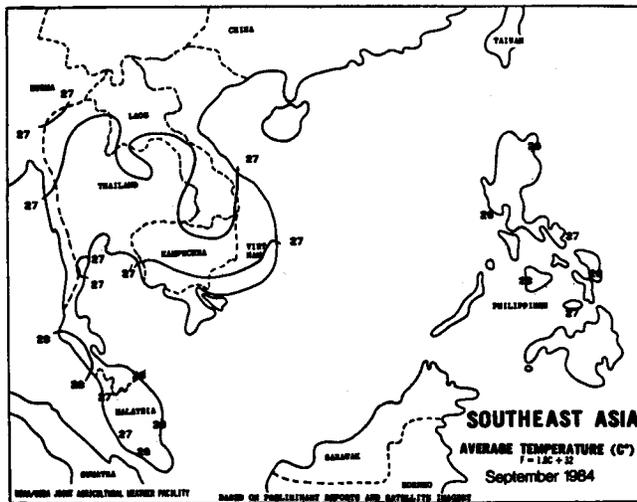
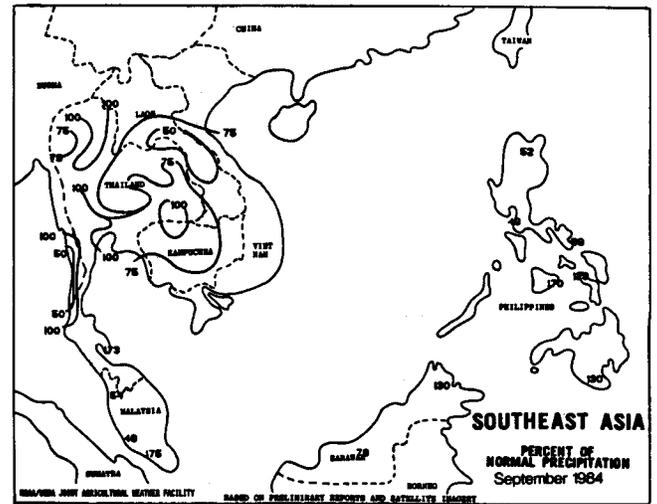
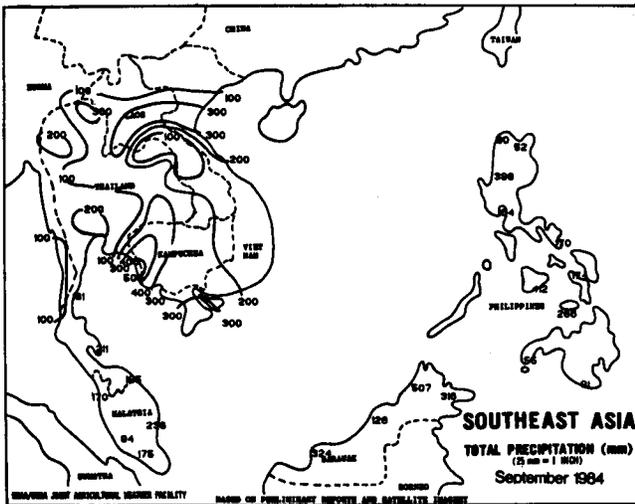
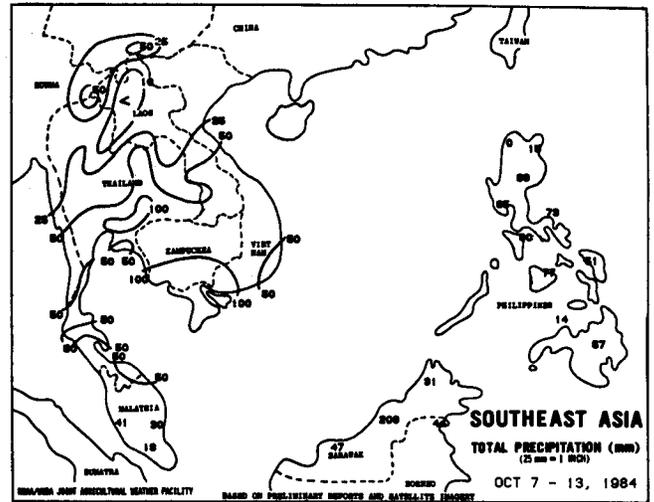
SOUTH ASIA... Precipitation continued in southern India this week, benefiting cotton in the boll formation stage. September precipitation was below normal in central India, reducing moisture supplies for cotton. September rain was also below normal in much of the winter rice area. Recent scattered rain maintained adequate moisture for most winter rice in the heading stage. Wheat planting has begun across the north. Moisture conditions for wheat establishment are mostly adequate in the major producing area (Punjab, Haryana, and Uttar Pradesh). In the southern wheat region, dry weather left topsoils unfavorably dry for establishment.



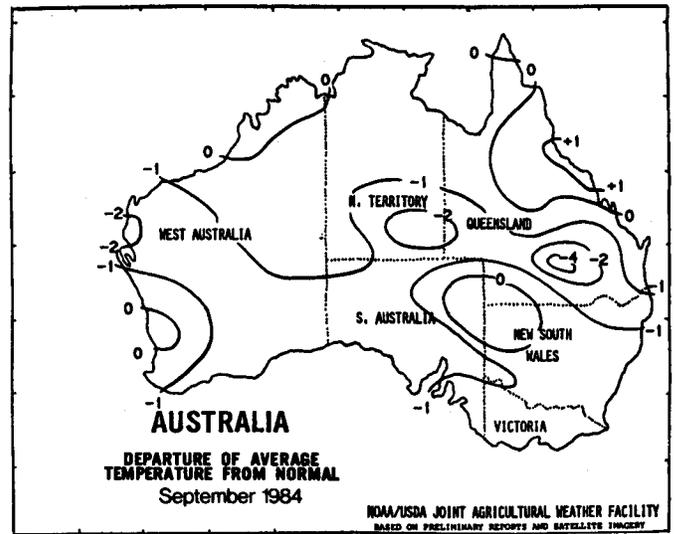
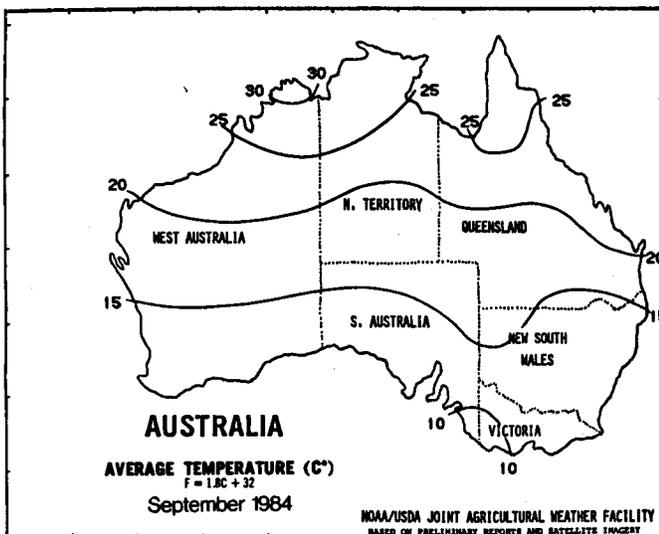
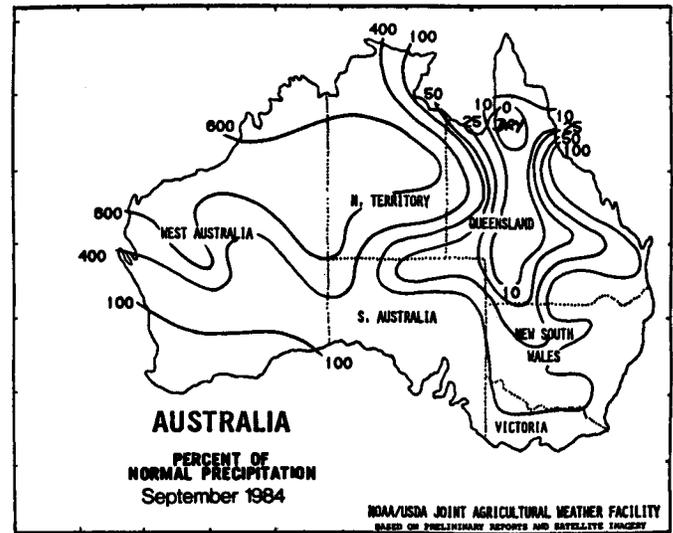
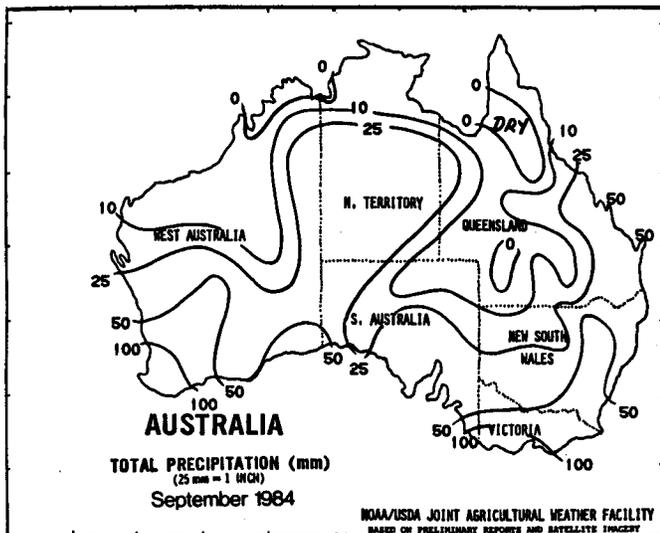
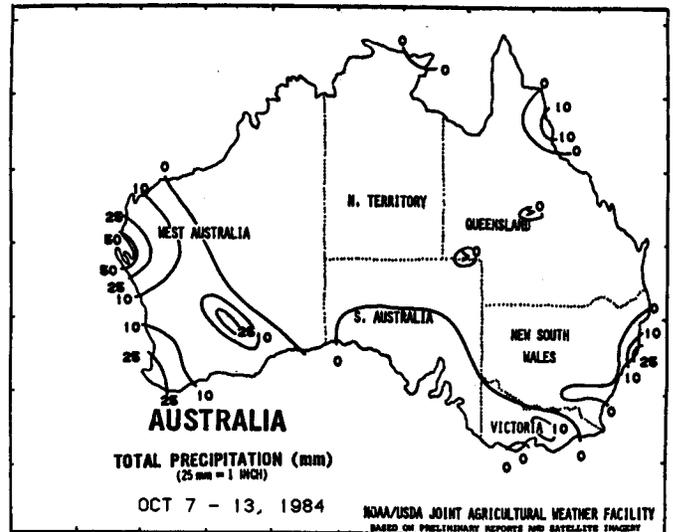
EASTERN ASIA... Mostly dry weather this week in the North China Plain benefited for cotton, corn, and soybean harvesting. However, September precipitation was much above normal in Henan, Shandong, Anhui, and Jiangsu. The earlier wet weather slowed summer crop harvesting and winter wheat planting. Moisture conditions for winter wheat establishment are favorable in nearly all of the region, but nonirrigated topsoils are relatively dry in Hebei. North China Plain temperatures averaged above normal this week, favoring late developing cotton and winter wheat establishment. Hunan's recent precipitation improved late double-cropped rice in the late filling stage. Moisture conditions are mostly favorable for winter grain establishment in Korea.



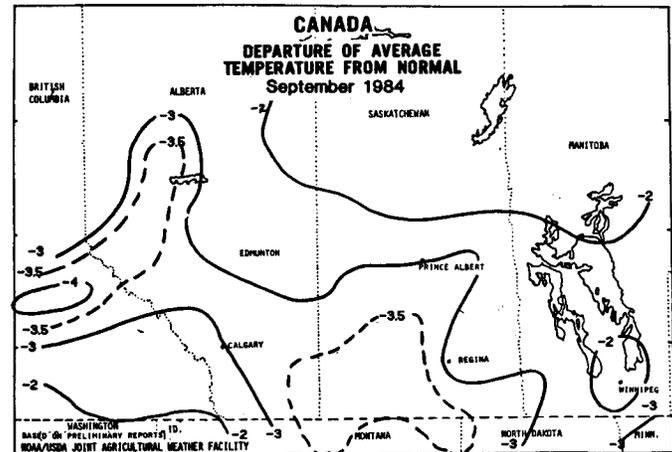
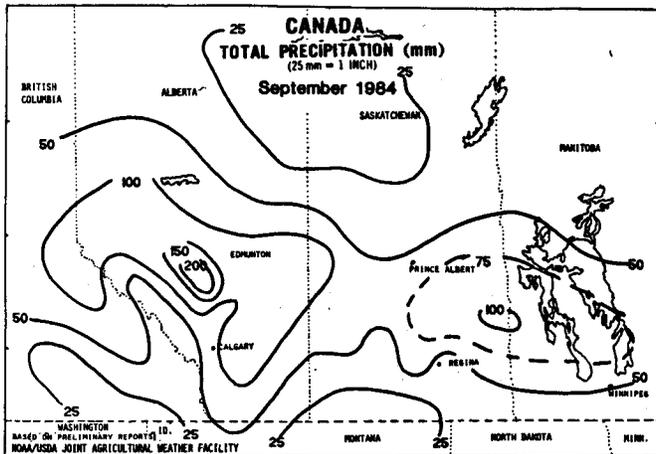
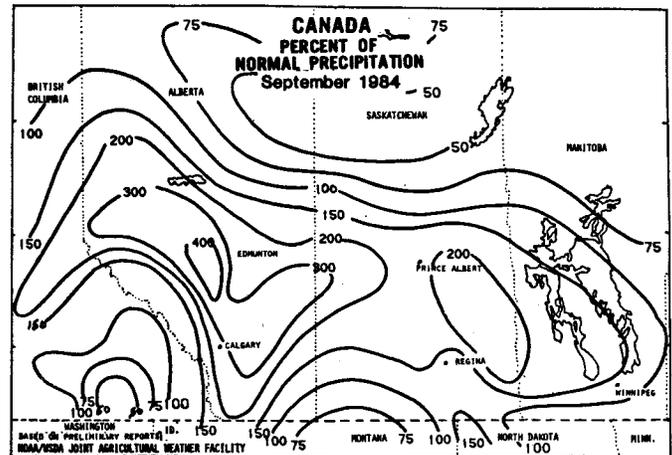
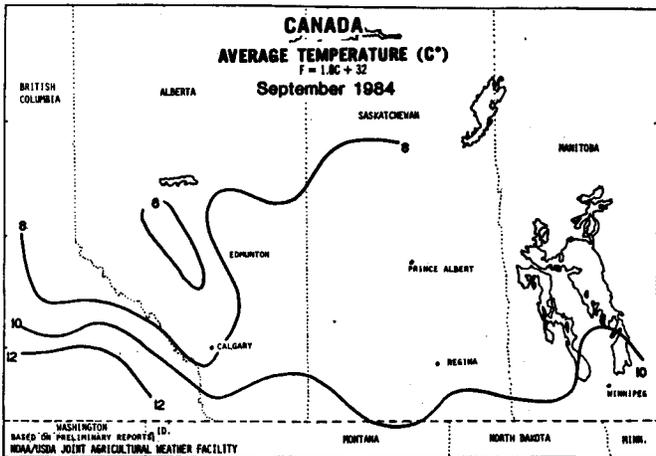
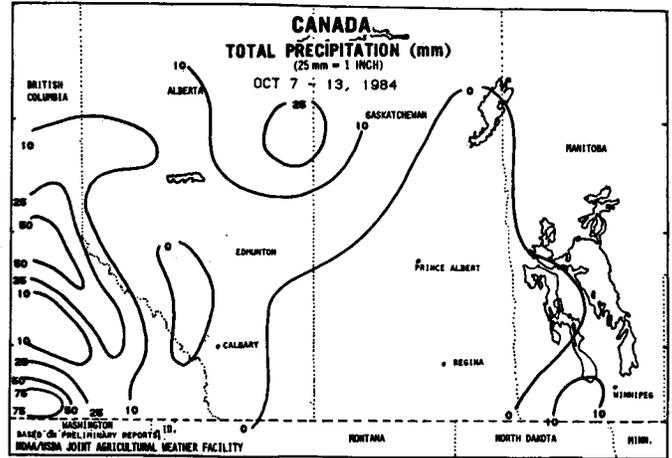
SOUTHEAST ASIA...Late in the week, Tropical Storm Susan entered southern Vietnam, producing moderate to heavy rain. Winds were moderate but some coastal flooding possibly damaged rice. Moderate to heavy rain spread into eastern Thailand, benefiting rice in the reproductive stage. Heavy rain also aided rice in the major south central producing region. Much of Thailand received below-normal September rain because of mid-month dry weather. Moderate precipitation fell throughout the Philippines, benefiting rice in the filling stage. Rain during the last several weeks improved the below-normal September moisture.



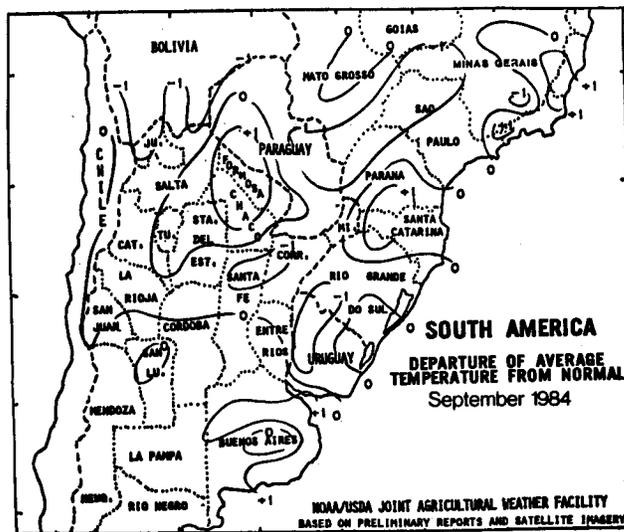
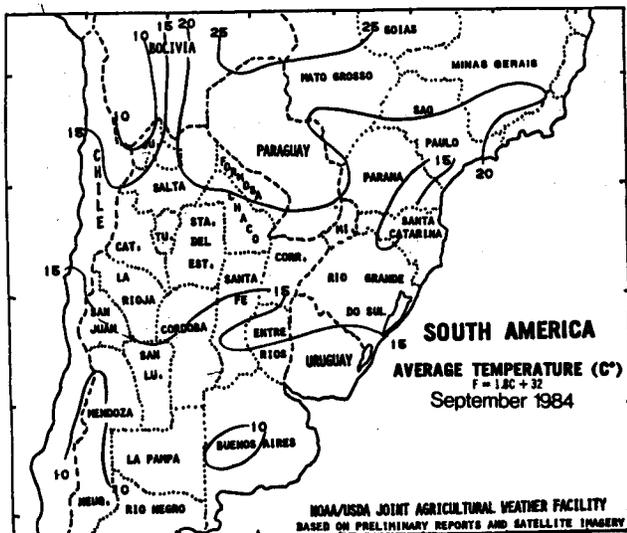
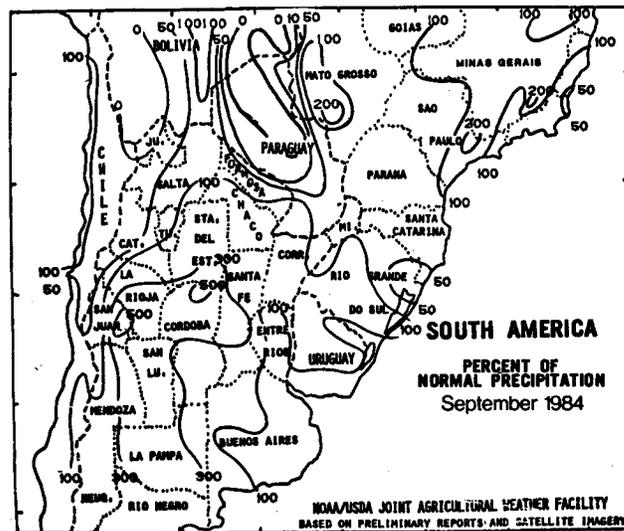
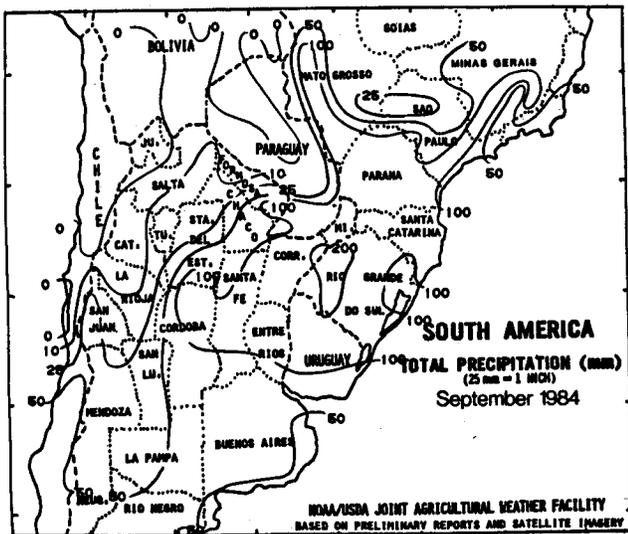
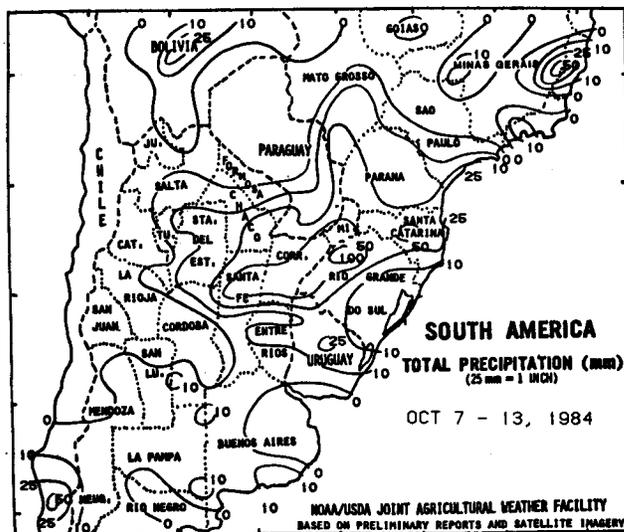
AUSTRALIA... Dry weather covered eastern crop areas, light showers fell over southern wheat, and locally heavier showers (15-30 mm) occurred in the west. Adequate moisture and generally seasonal temperatures continue promoting wheat development. September rains were above average in the west and south, and near average in the east. Wheat progresses into the reproductive period in most areas, but the crop is in the grain filling stage in northern New South Wales and southeastern Queensland. Wheat harvesting already occurred in south-central Queensland. About 10 percent of Queensland's wheat is harvested. Favorable wheat belt weather improved yield prospects, but the weather during the next several weeks will still determine the final yield potential. Sorghum and other summer crop planting began in Queensland and New South Wales. Mostly dry weather occurred over east coast sugar cane areas, aiding harvesting.



CANADA...Mostly dry, mild weather covered the Prairie grain belt during the week, with only light showers reported in the west. Harvesting of Alberta's remaining 15 percent of the total acreage progressed well in recent weeks after September's unfavorable weather caused long delays. Persistent wetness and frost hampered the harvest throughout September. By mid-month, widespread killing frost covered all crop areas. In Alberta, as much as 200-300 percent of normal September precipitation (rain and snow) caused harvesting to fall about 10 percent behind average, reducing the unharvested crop quality. The Saskatchewan and Manitoba harvests were nearly complete by late September, although northern crop areas experienced delays due to wetness. September precipitation in the southern Prairies moistened soils, parched by the summer drought, improving conditions for winter grain seeding. Weekly weather summaries will be discontinued until the spring planting season.



SOUTH AMERICA...Mostly light, scattered showers covered Argentina's wheat and summer crop areas; except widespread rain fell over northeastern sorghum and cotton areas. Corn planting is up to 70-80 percent complete in northern Buenos Aires and Santa Fe. Other summer crop planting is underway in Argentina. Wheat enters the reproductive cycle with generally adequate moisture, resulting from near to above average September rains. In Brazil, locally heavy rain (50-125 mm) fell in western Rio Grande do Sul; showers covered much of the soybean area as far north as Parana and southern Mato Grosso do Sul. Scattered showers fell further north. Corn, cotton, and early soybean planting should be underway, especially in more northern areas where wheat harvesting has occurred. Persistent September and early October wetness in southern wheat areas of Brazil, along with an earlier freeze, reduced Brazil's wheat yield potential.





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**WEEKLY NEWS BULLETIN
SECOND CLASS**

(continued from p. 19)

WYOMING: Temperatures above normal.
Precipitation below normal.

Topsoil moisture adequate 75% State. Days suitable for fieldwork: 7.0. Winter wheat seeding winding down, emerged 90%, mostly good condition. Sugarbeets, 40% dug. Average sugar content 15.6% normally, 24% dug. Potato harvest slow due to freeze damage, some will be abandoned. Corn for silage, 95% harvested. Corn for grain, 45% harvested. Normally, 16% corn for grain harvested. Dry beans 85% combined. Livestock mostly good condition. Hay supplies for wintering livestock adequate most areas. Livestock producers moving stock from summer pastures, pregnancy testing cattle, weaning.

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

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National Oceanic and Atmospheric Administration
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Managing Editor Don Haddock
Meteorologists Lyle Denny,
Ray McInturff, Jim Williams, Wes Byrd,
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