

WEEKLY WEATHER AND CROP BULLETIN

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

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

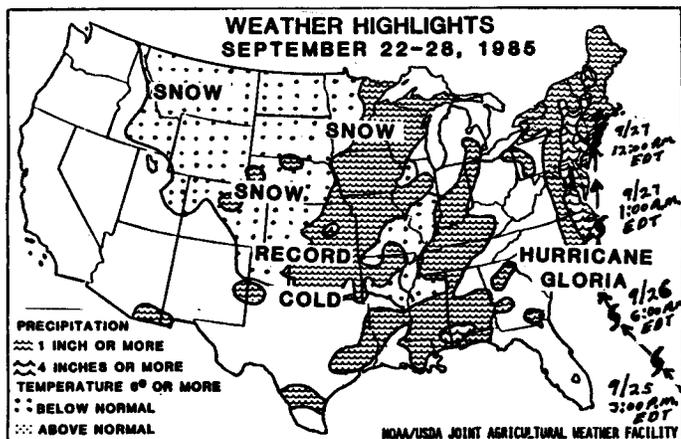
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Oct. 1, 1985

National Weather Summary

September 22 to 28, 1985



HIGHLIGHTS: Hurricane Gloria, a very powerful storm, moved onto the North Carolina coast on Thursday evening and then moved northward along and just off the coast until it pushed into New England. Hurricane winds hugged the coastline until the storm went inland across Long Island and then the strong wind damaged crops and other property. Coastal areas from North Carolina to Long Island, New York were considerably damaged. Elsewhere, the coldest air of the season pushed into the northern Rockies and Plateau and then moved eastward across the Plains. Freezing temperatures pushed to a line from western Kansas to upper Michigan. Light snow covered the ground in most freezing areas.

SUNDAY...A mass of cold Canadian air surged southward into the northern and central Rockies and the northern Plains. Snow or snow mixed with rain fell in the Rockies, and rain and showers spread over the central Plains. Showers and thunderstorms reached from north central Texas and the Panhandle to the western Great Lakes region. Tropical Storm Henri, moving northward along the Atlantic coast triggered showers and thunderstorms from North Carolina to New Jersey.

MONDAY...The cold air spread throughout the Rockies and central Plateau and further into the Plains. Freezing temperatures reached into the western parts of the Dakotas and Nebraska. Light snow continued in the northern Rockies, and light rain fell in the northern Plains. Showers and thunderstorms were moderate to heavy from Mississippi and Alabama to southeastern Michigan while lighter showers covered the area east of the Plains.

TUESDAY...The unseasonably cold air spread through most of the Plains and into the middle and upper Mississippi Valley. Freezing temperatures covered the northern Plains and the central Rockies.

Light snow fell in parts of the upper Mississippi Valley and the Rockies, and rain covered the central Plains. The remains of Tropical Storm Henri triggered showers and thunderstorms in the Northeast.

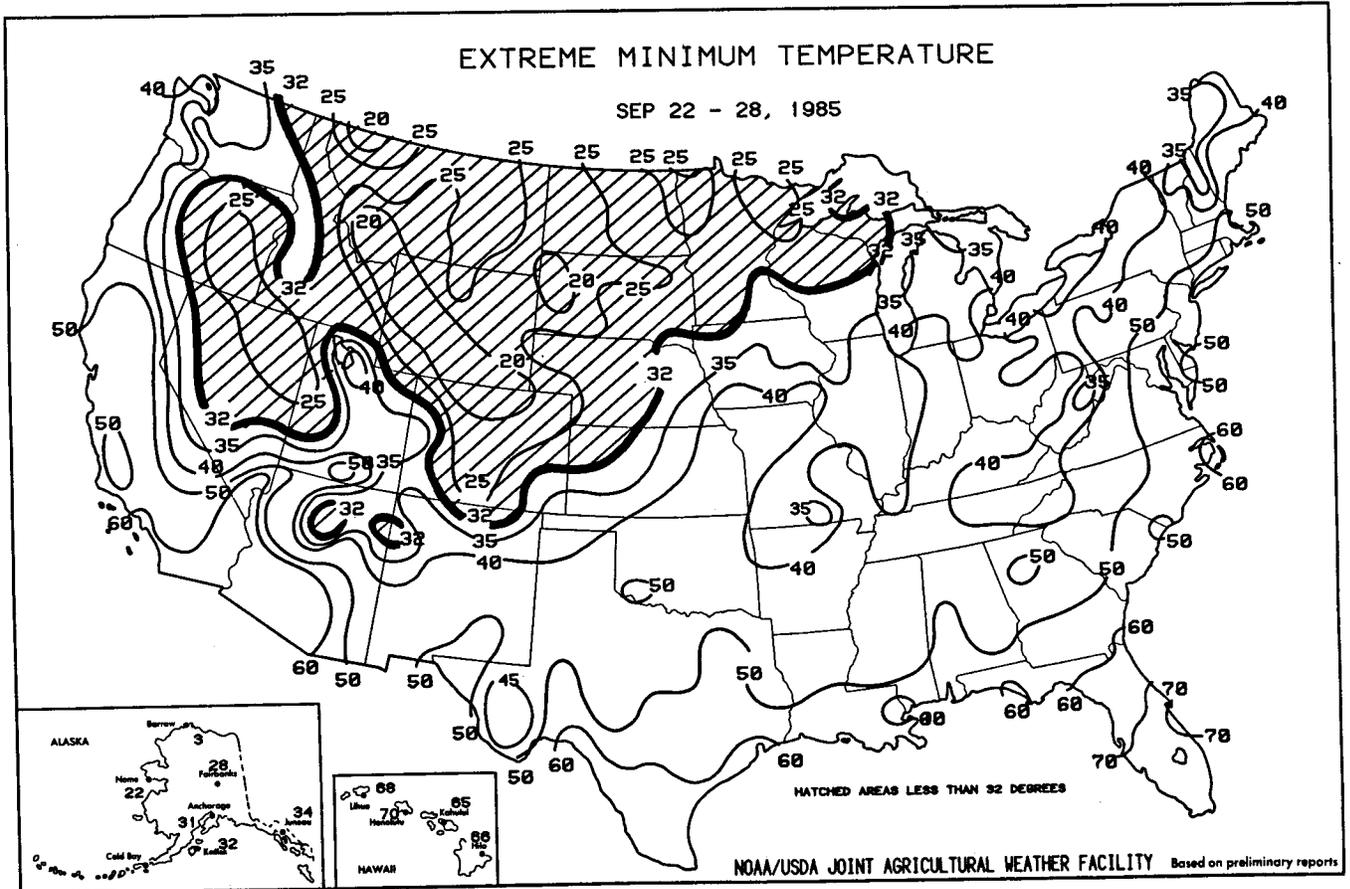
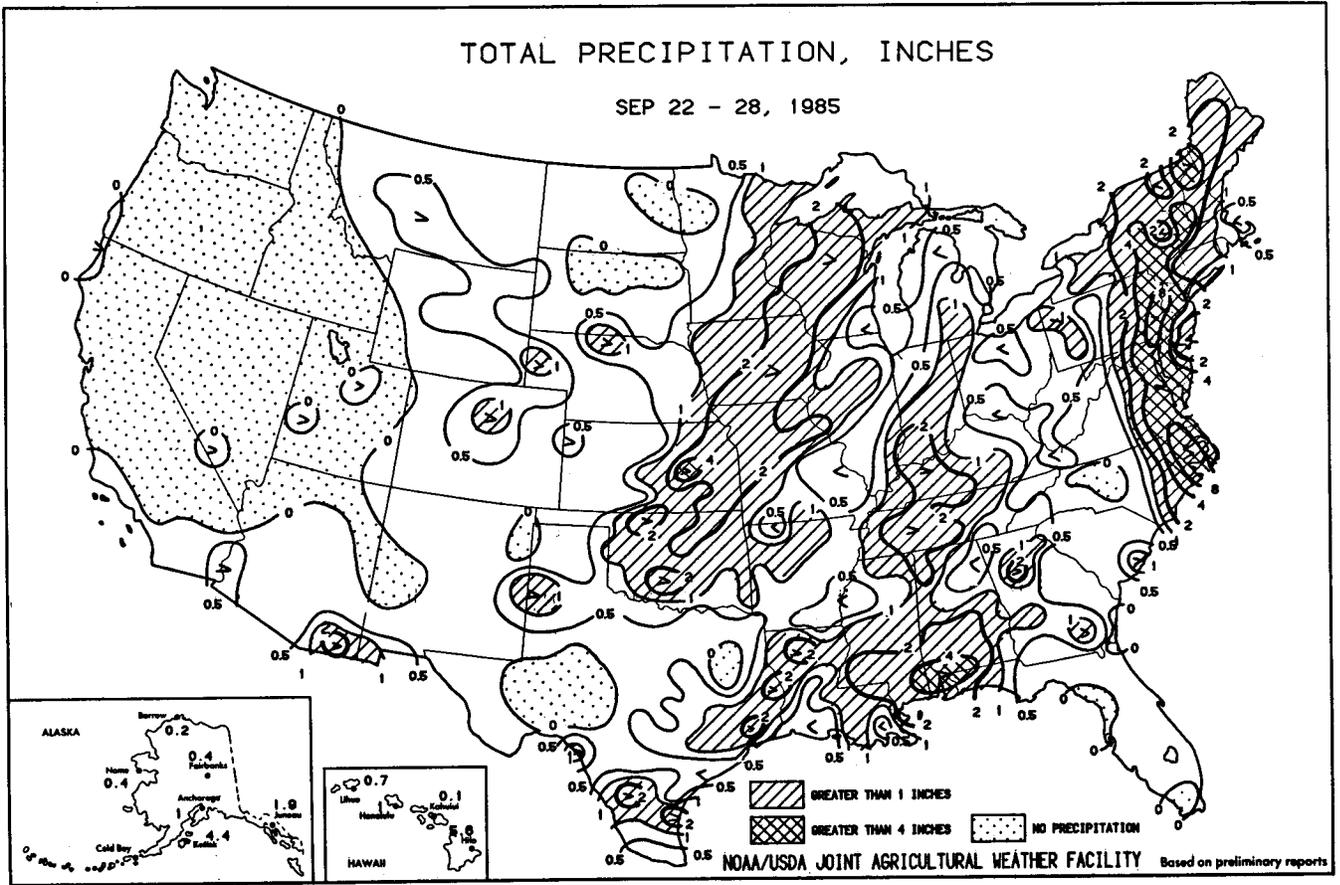
WEDNESDAY...The cold air modified some as it moved into the Ohio and Tennessee Valleys. Showers and thunderstorms were widespread from the lower Mississippi Valley through the Great Lakes region. Hurricane Gloria was moving toward the southeastern States packing dangerous wind of 150 MPH.

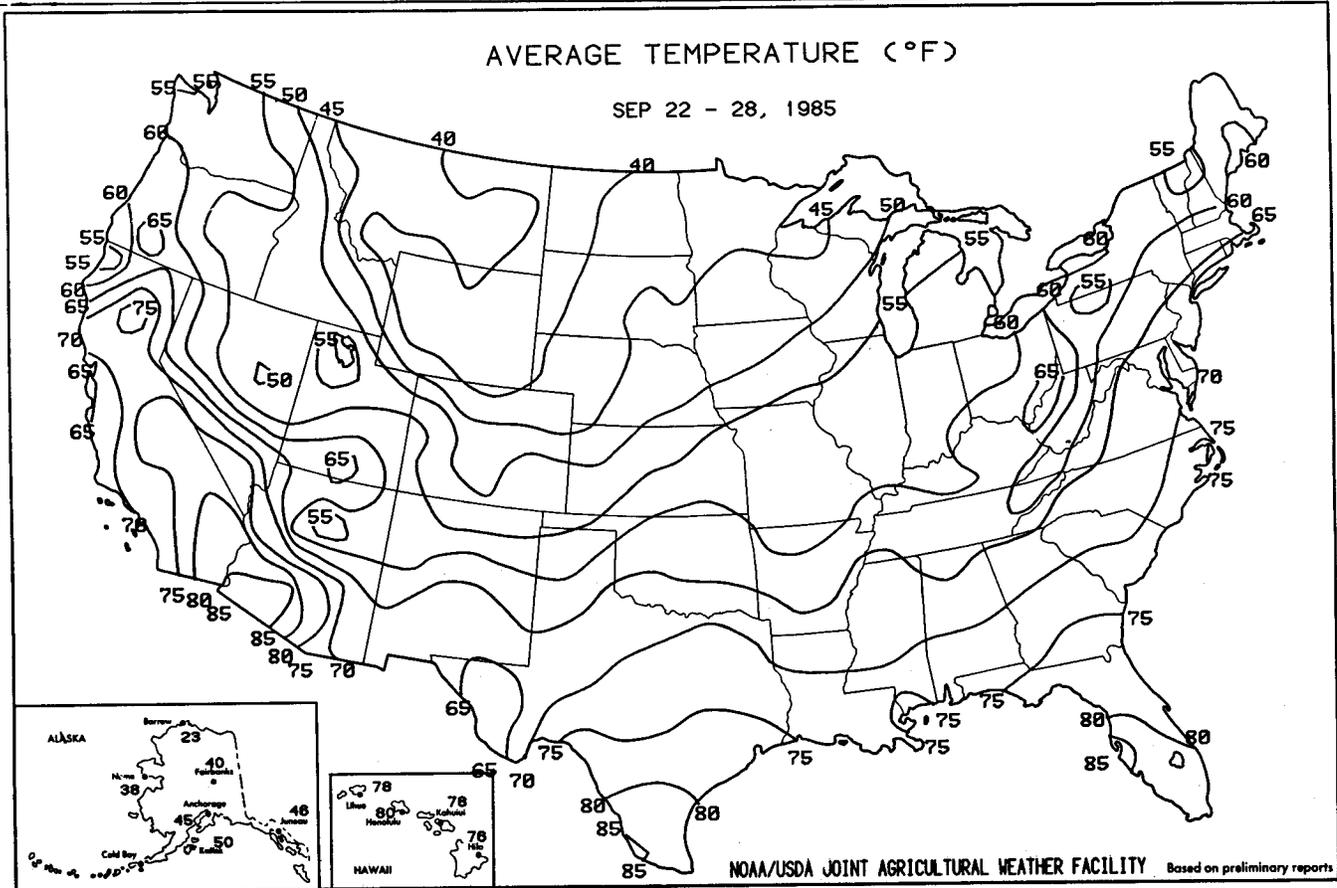
THURSDAY...Hurricane Gloria continued on its track toward the Carolina coast and at days end it was just south of Cape Hatteras. The storm had weakened a little but still had winds of 130 MPH northeast of the center. Band of very heavy rain began to spread out ahead of the storm and by the end of the day had reached into southern New England. Destructive winds were pounding the beaches of the Carolinas, but the highest wind was in the northeast quadrant. A cold front, moving in from the West, triggered showers through the Appalachians.

FRIDAY...Hurricane Gloria, packing 120 MPH winds and torrential rain, moved over the outer banks of North Carolina in the early morning and then moved rapidly northward just off the east coast. By midafternoon the storm had moved across Long Island, New York and up the Connecticut Valley into central New England where it weakened rapidly. Gloria caused severe wind damage along the coast and in southern New England and poured heavy rain from the North Carolina coast into eastern New York and New England.

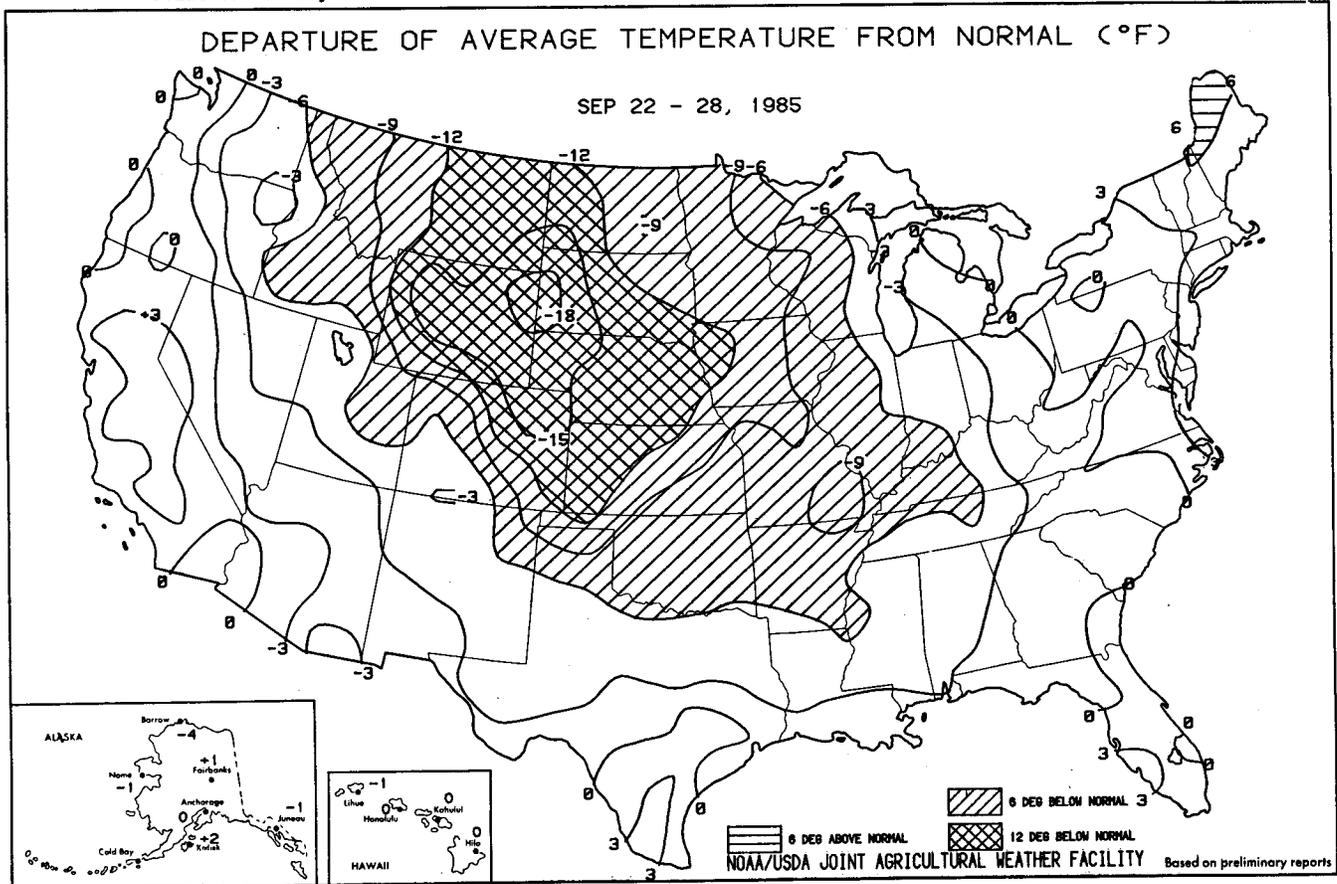
SATURDAY...Much cooler weather spread over the East after the storm, but the coldest air of the season plunged into the northern Rockies and Plains. Snow fell throughout the Rockies and the High Plains and stayed on the ground from Colorado northward. Moderate to heavy showers and thunderstorms spread through the southern and central Plains and into Wisconsin.

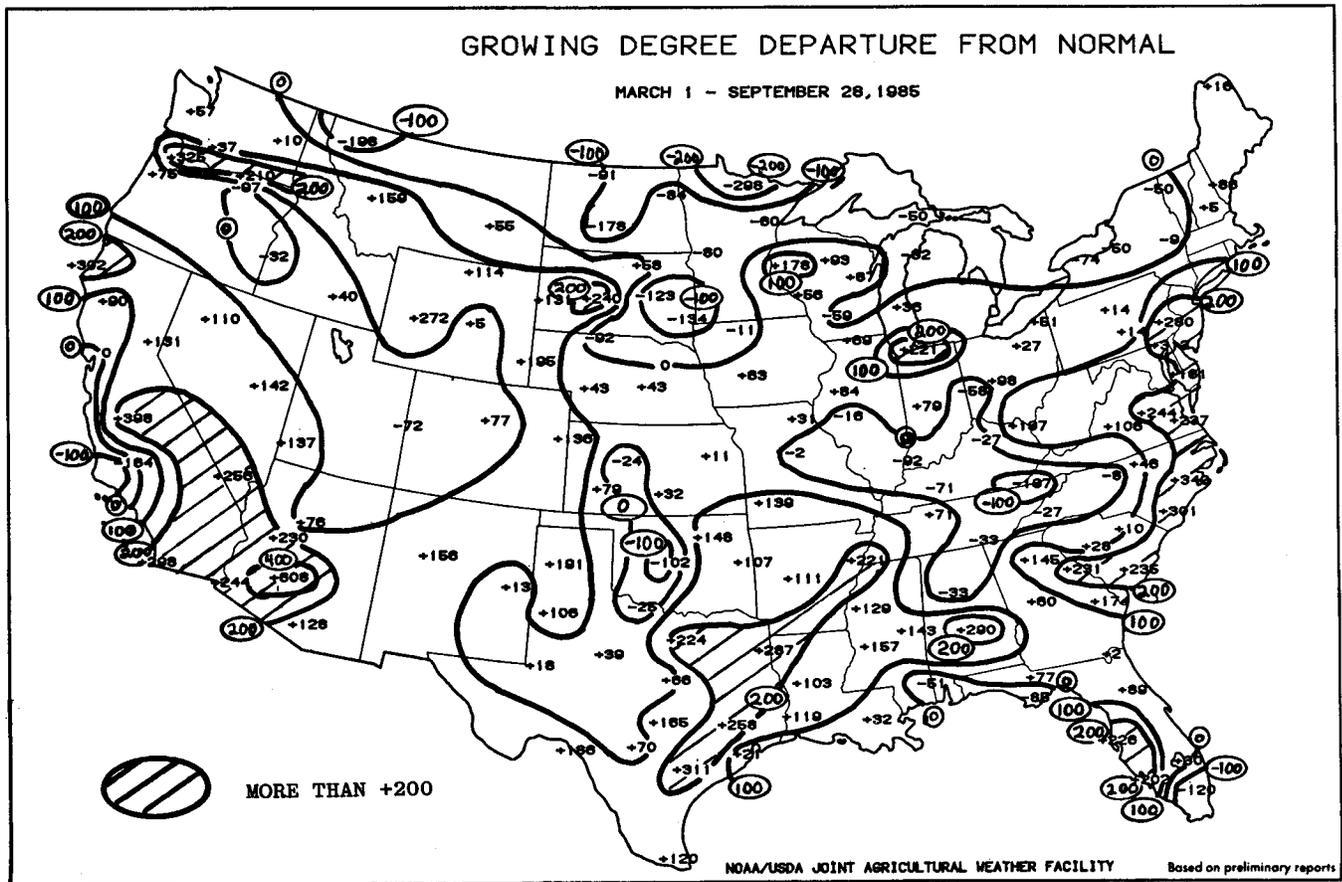
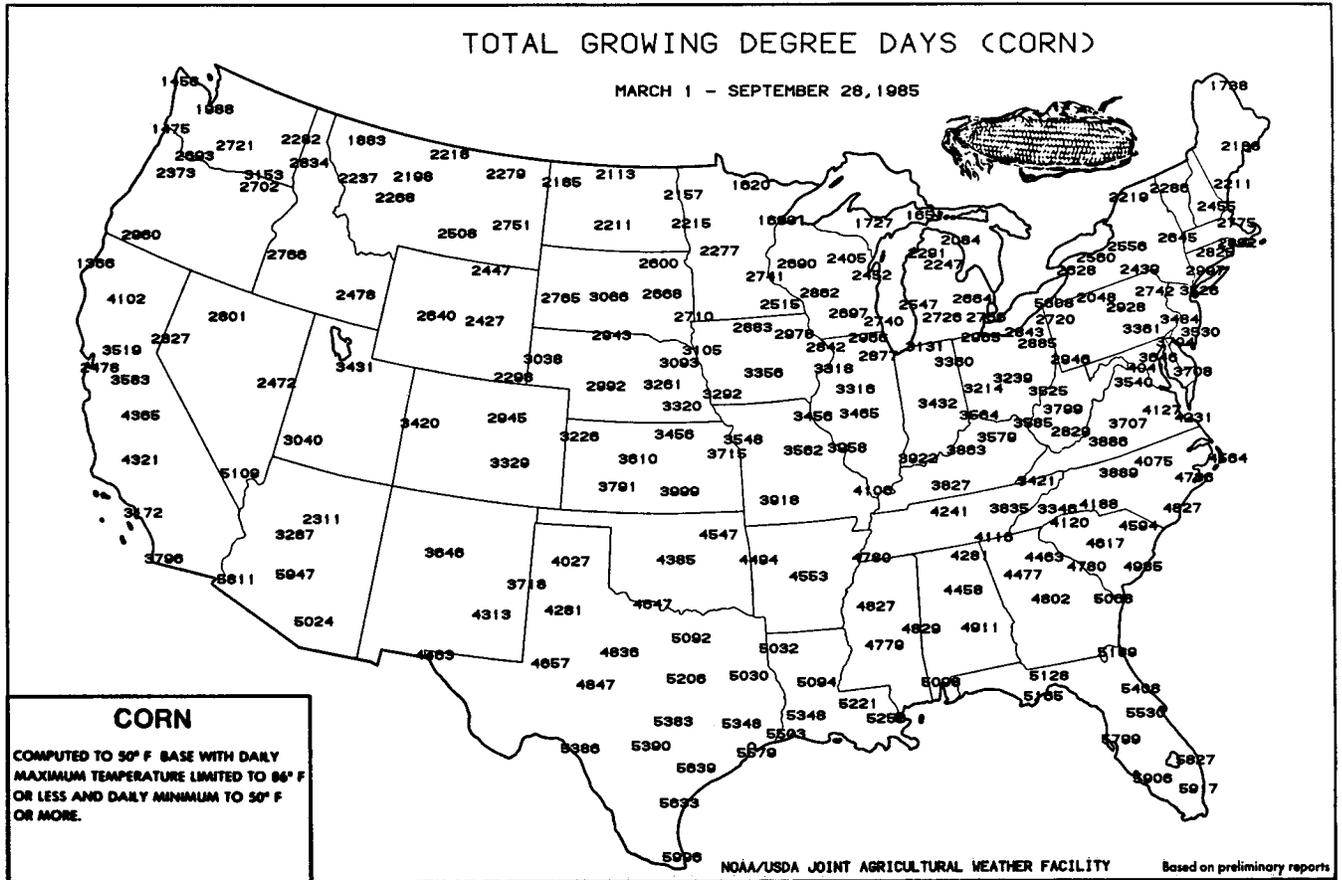
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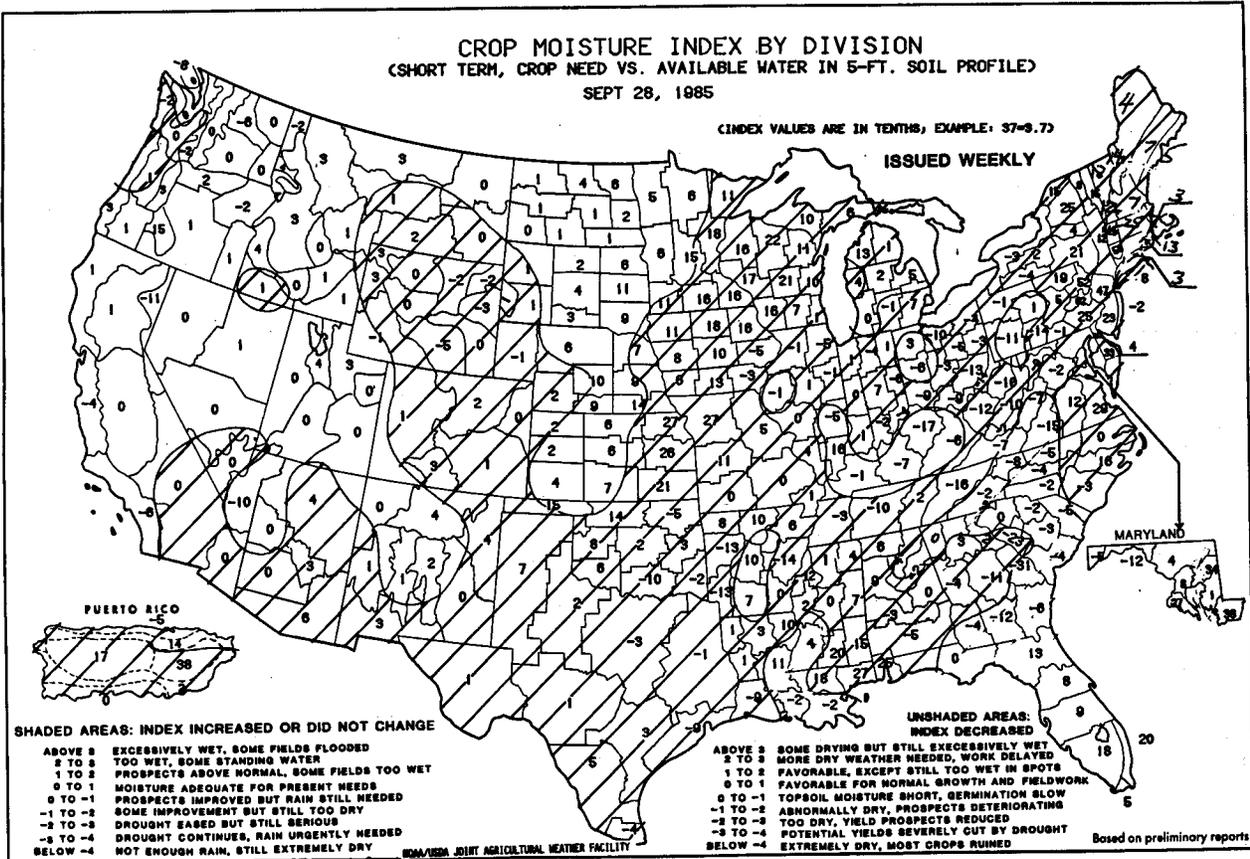
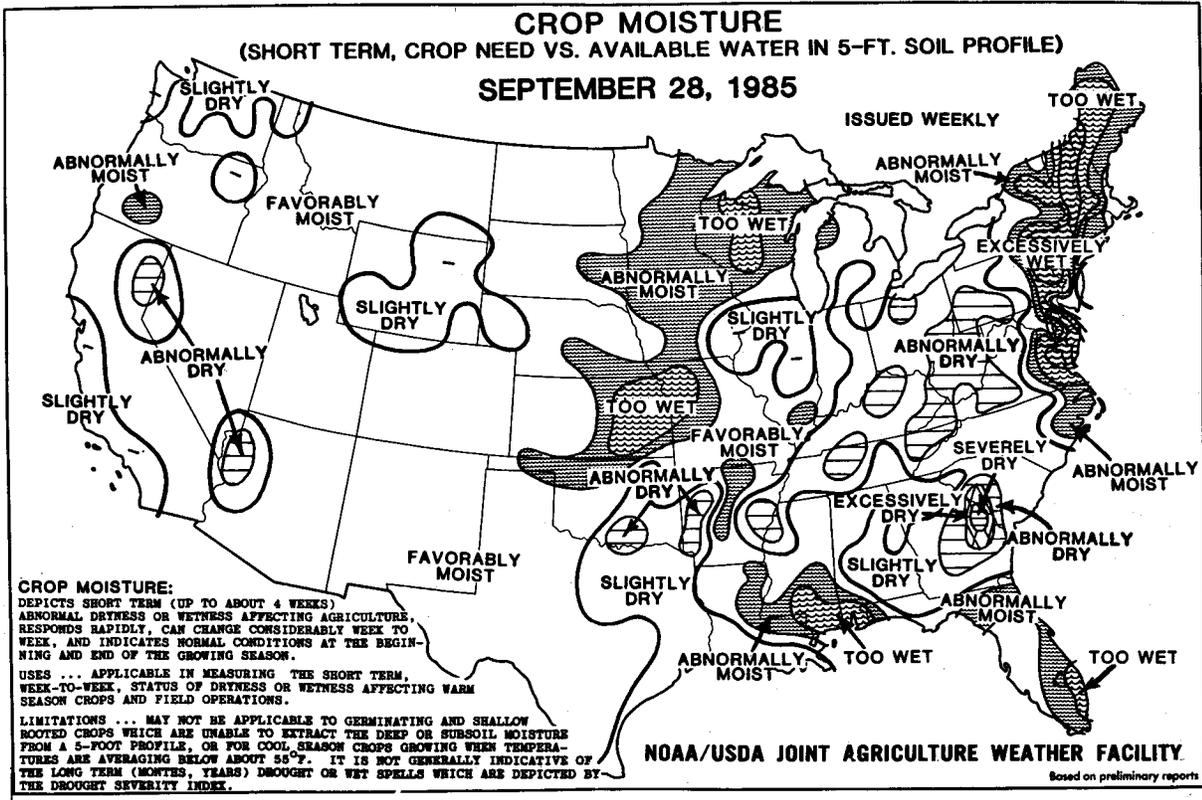




Point values may differ on these computerized maps from the reported values in the tables.



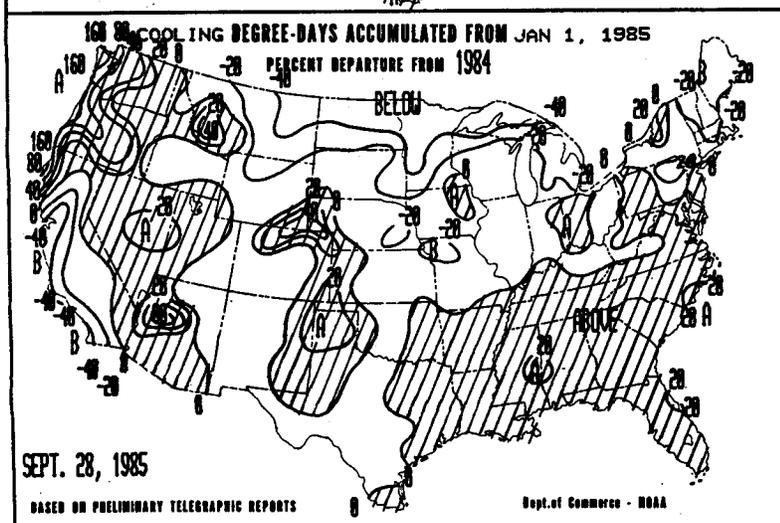
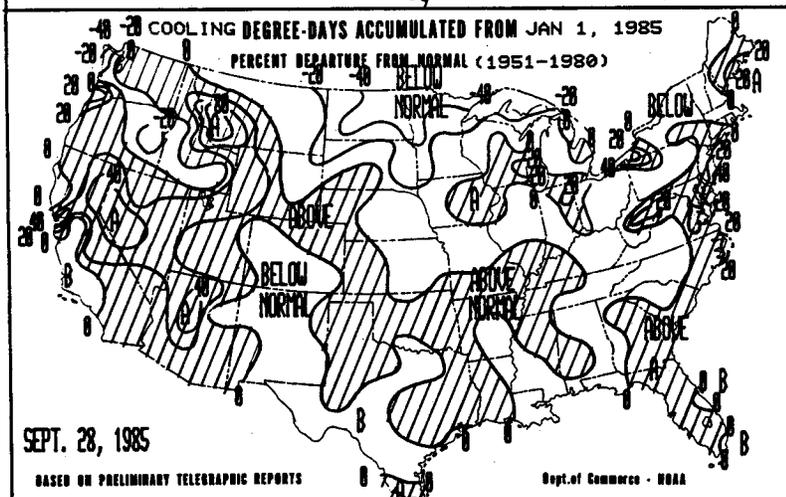
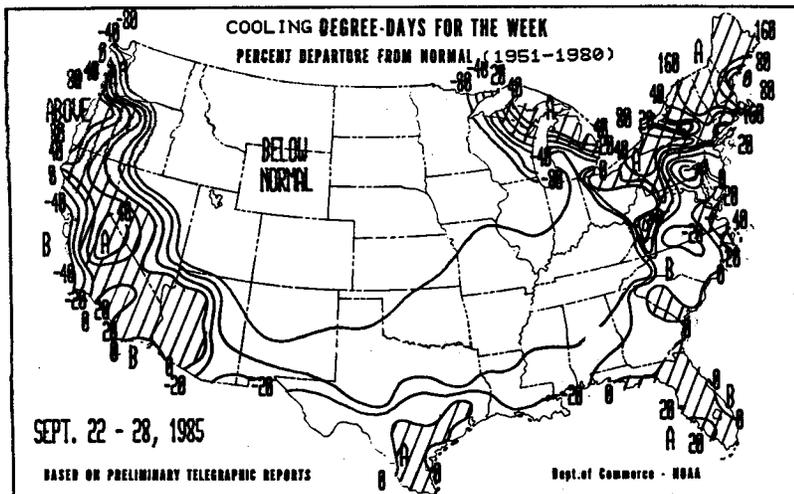




COOLING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NESDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 9-28-1985
ACCUMULATIONS ARE FROM JANUARY
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK, WEEK WEEK, CUM CUM CUM CUM CUM, CUM CUM CUM CUM CUM, CUM CUM CUM CUM CUM. Rows list various states and cities with their respective weather data.



Weather Data for the Week Ending September 28, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	77	54	87	44	66	-6	.3	-.7	.3	.6	14	37.6	87	98	58	0	0	1	0
MOBILE	80	63	83	52	72	-4	4.8	3.5	2.5	9.1	146	49.6	94	88	58	0	0	3	2
MONTGOMERY	80	60	88	47	70	-4	2.1	1.1	1.9	2.6	59	35.4	91	97	57	0	0	2	1
AK ANCHORAGE	51	39	56	31	45	0	1.0	.4	.5	3.1	134	12.9	116	95	61	0	1	1	1
BARROW	31	15	35	3	23	-4	.2	.1	.1	.6	102	2.9	78	100	83	0	7	4	0
FAIRBANKS	46	35	56	28	40	1	1.4	.2	.3	2.6	250	9.7	118	89	57	0	3	3	0
JUNEAU	52	40	56	34	46	-1	.9	.2	.6	3.9	66	24.8	73	98	74	0	0	4	2
KODIAK	56	43	60	32	50	2	4.4	2.4	2.3	6.4	91	52.6	104	95	67	0	1	5	4
NOME	45	31	48	22	38	-1	.4	0	.3	4.7	214	15.1	128	91	66	0	4	2	0
AZ PHOENIX	94	70	99	67	82	0	T	-1	T	1.6	267	4.6	90	54	19	6	0	2	0
PRESCOTT	78	48	85	43	63	0	.1	-2	0	.5	36	10.1	69	73	29	0	0	2	0
TUCSON	89	61	94	58	75	-3	.5	.2	.2	1.2	92	9.8	114	57	21	4	0	2	0
YUMA	97	72	103	69	85	0	.6	.5	.4	1.4	587	1.7	94	61	25	6	0	2	0
AR FORT SMITH	77	49	89	39	63	-8	1.1	.4	.8	2.2	71	32.6	108	93	56	0	0	2	1
LITTLE ROCK	74	52	88	46	63	-8	.8	-1	.6	8.2	227	34.8	99	90	34	0	0	2	1
CA BAKERSFIELD	87	63	94	58	75	0	0	-1	0	.1	127	2.1	51	64	33	3	0	0	0
EUREKA	61	50	65	47	55	-1	T	-3	T	1.0	126	13.2	56	98	73	0	0	1	0
FRESNO	91	63	96	60	77	5	0	-1	0	4	307	3.8	53	69	29	5	0	0	0
LOS ANGELES	78	64	88	61	71	2	T	0	T	.3	187	3.8	44	79	49	0	0	1	0
RED BLUFF	92	58	99	54	75	2	0	-1	0	1.1	269	6.6	49	69	21	4	0	0	0
SACRAMENTO	89	58	96	53	74	3	0	-1	0	.5	188	4.9	44	86	34	4	0	0	0
SAN DIEGO	78	65	83	61	71	1	T	0	T	.2	95	2.6	40	92	53	0	0	1	0
SAN FRANCISCO	73	55	87	51	64	0	0	-1	0	.2	120	7.1	56	96	59	0	0	0	0
CO DENVER	59	33	76	21	46	-14	1.2	.9	.8	2.3	203	13.7	106	85	35	0	3	3	1
GRAND JUNCTION	70	44	77	38	57	-6	.1	-1	.1	1.7	261	8.1	137	65	21	0	0	2	0
PUEBLO	66	37	80	31	52	-11	.4	.3	.3	.6	81	11.5	125	90	35	0	1	2	0
CT BRIDGEPORT	72	61	75	56	67	3	1.1	.3	.6	1.5	48	27.4	90	88	59	0	0	2	1
HARTFORD	71	53	75	46	62	2	1.9	1.0	1.1	3.8	104	27.2	84	84	57	0	0	3	2
DC WASHINGTON	76	61	81	55	68	0	4.4	3.7	3.1	6.7	221	26.9	90	93	55	0	0	4	2
FL APALACHICOLA	86	69	89	58	77	0	.1	-1.7	.1	4.7	59	46.0	103	88	60	0	0	1	0
DAYTONA BEACH	85	72	87	70	78	0	.4	-1.1	.4	8.6	138	36.8	95	99	65	0	0	1	0
JACKSONVILLE	86	67	92	59	77	0	0	-1.5	0	15.1	220	42.7	96	95	54	1	0	0	0
KEY WEST	87	78	88	74	83	1	.1	-1.4	0	6.0	98	33.8	115	89	66	0	0	2	0
MIAMI	89	74	91	73	82	1	T	-1.9	T	8.1	108	45.7	101	90	53	2	0	1	0
ORLANDO	89	72	91	70	80	0	.1	-1.1	0	5.3	100	40.2	98	97	57	3	0	2	0
TALLAHASSEE	88	63	91	51	75	-1	.1	-1.3	.1	1.7	27	41.6	78	99	49	2	0	1	0
TAMPA	90	72	91	70	81	2	T	-1.2	T	8.1	136	36.8	92	95	59	4	0	0	0
WEST PALM BEACH	88	73	91	72	80	0	.2	-2.1	.1	6.5	75	40.1	88	96	60	1	0	0	0
GA ATLANTA	78	59	84	50	68	-2	2.2	1.5	1.5	2.6	88	37.7	99	85	51	0	0	3	2
AUGUSTA	86	59	92	44	72	1	T	-7	T	.4	12	22.6	63	87	41	1	0	1	0
MACON	84	59	88	45	71	-2	.3	-4	.2	1.8	58	25.7	71	96	47	0	0	2	0
SAVANNAH	85	63	90	52	74	0	.1	-1.0	.1	.8	15	29.3	69	94	55	1	0	1	0
HI HILO	82	69	84	66	76	0	5.6	4.1	2.4	10.7	173	97.0	108	98	68	0	0	5	3
HONOLULU	88	72	90	70	80	0	1.0	.8	.7	1.1	196	9.6	64	88	53	1	0	4	1
KAHULUI	88	68	92	65	78	0	.1	0	.1	.1	26	6.5	47	86	53	1	0	2	0
LIHUE	84	72	85	68	78	-1	.7	0	.5	2.6	128	19.6	69	84	63	0	0	3	0
ID BOISE	68	39	75	34	54	-7	0	-1	0	1.8	333	7.3	88	79	23	0	0	0	0
LEWISTON	67	42	75	33	54	-6	0	-2	0	.7	103	7.1	76	72	28	0	0	0	0
POCATELLO	63	35	75	27	49	-7	T	-2	T	1.4	241	7.7	96	69	21	0	4	0	0
IL CHICAGO	68	43	76	35	55	-6	.5	-2	.3	1.7	54	25.3	95	92	52	0	0	3	0
MOLINE	64	44	77	33	54	-7	.8	0	.4	1.4	40	23.8	78	96	55	0	0	3	0
PEORIA	65	45	76	36	55	-7	1.6	.7	.9	3.2	93	29.1	103	95	59	0	0	4	1
QUINCY	65	46	73	38	56	-8	1.5	.5	1.1	2.7	68	24.6	81	93	57	0	0	3	1
ROCKFORD	65	43	75	36	54	-7	.5	-.4	.2	3.5	102	25.6	87	96	59	0	0	3	0
SPRINGFIELD	67	46	78	38	57	-8	.6	-1	.4	.6	21	26.4	97	93	47	0	0	3	0
IN EVANSVILLE	71	47	88	41	59	-7	2.4	1.8	2.3	3.3	131	31.8	99	82	43	0	0	2	1
PORT WAYNE	69	46	83	40	58	-4	1.0	.5	.9	2.5	107	25.4	95	97	44	0	0	2	1
INDIANAPOLIS	69	46	83	40	58	-6	1.6	1.0	1.3	2.5	96	33.1	109	98	51	0	0	2	1
SOUTH BEND	68	47	79	41	57	-4	.2	-.5	.1	1.5	51	26.2	90	94	53	0	0	3	0
IA DES MOINES	62	42	70	37	52	-10	3.3	2.6	1.3	4.0	136	20.4	79	94	51	0	0	5	3
SIOUX CITY	57	40	66	32	48	-13	1.0	.4	.3	4.0	169	20.1	92	95	53	0	1	5	0
WATERLOO	60	41	67	32	51	-8	2.5	1.8	.9	4.0	123	22.7	82	95	49	0	1	4	3
KS CONCORDIA	62	43	78	36	52	-12	.4	-2	.2	1.8	64	21.2	91	91	54	0	0	4	0
DODGE CITY	66	42	79	34	54	-12	.1	-3	.1	3.0	170	18.2	101	89	45	0	0	2	0
GOODLAND	57	34	71	26	46	-15	.5	-.2	.2	1.5	107	19.7	138	89	46	0	2	3	0
TOPEKA	66	46	79	43	56	-9	2.2	1.4	1.1	7.1	221	35.6	130	94	51	0	0	5	2
WICHITA	69	47	80	39	58	-10	1.3	.5	.8	5.3	163	25.1	107	92	46	0	0	3	1
KY BOWLING GREEN	71	48	85	40	60	-8	2.3	1.6	1.3	2.6	88	29.8	79	99	50	0	0	3	2
LEXINGTON	73	50	85	43	61	-4	.8	.2	.6	1.2	38	26.7	74	92	47	0	0	3	1
LOUISVILLE	73	50	87	44	61	-6	1.0	.3	.5	1.0	33	27.7	82	94	48	0	0	3	1
LA ALEXANDRIA	82	60	91	49	71	-4	.3	-.4	.3	4.0	163	40.1	98	85	49	1	0	1	0
BATON ROUGE	82	63	87	53	73	-3	1.1	-.2	.4	3.4	81	42.1	96	93	55	0	0	3	0
LAKE CHARLES	85	62	93	52	73	-3	.1	-1.0	.1	1.1	22	32.4	80	94	47	1	0	2	0
NEW ORLEANS	82	67	88	58	74	-2	.3	-.9	.2	4.3	77	46.5	98	81	55	0	0	2	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending September 28, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	84	56	92	45	70	-5	1.6	.8	1.6	3.1	101	32.5	97	91	38	2	0	1	1
ME CARIBOU	67	46	74	39	57	6	1.4	.6	1.6	2.4	72	22.0	82	92	55	0	0	4	2
PORTLAND	68	51	73	44	60	4	1.7	.9	1.3	3.0	98	21.2	70	92	58	0	0	3	1
MD BALTIMORE	75	57	80	51	66	0	6.2	5.5	4.9	6.2	191	28.7	90	94	55	0	0	5	2
SALISBURY	75	60	80	49	68	2	5.6	4.7	2.5	6.0	163	29.9	87	98	69	0	0	2	0
MA BOSTON	70	59	74	52	65	3	.5	-.3	.3	3.0	93	27.2	86	97	67	0	0	2	0
CHATHAM	70	58	73	55	64	4	.2	-.7	.1	2.5	71	34.6	104	—	—	0	0	3	0
MI ALPENA	65	42	80	33	54	0	.3	-.3	.2	3.0	107	25.0	111	99	59	0	0	5	0
DETROIT	68	47	79	40	57	-3	.7	.2	.6	2.4	113	29.0	121	85	47	0	0	2	1
FLINT	69	45	82	37	57	-1	.6	.1	.4	7.7	348	31.9	141	96	51	0	0	2	0
GRAND RAPIDS	65	45	81	37	55	-4	.3	-.4	.2	3.8	129	28.4	110	95	59	0	0	2	0
HOUGHTON LAKE	64	47	78	36	57	-1	.3	-.3	.2	5.5	210	25.7	121	94	57	0	0	5	0
LANSING	66	43	79	37	55	-4	1.1	.6	1.0	2.1	88	25.1	110	98	58	0	0	3	1
MARQUETTE	57	37	63	30	47	-4	1.2	.3	.6	4.3	115	34.9	123	95	61	0	0	1	1
MUSKEGON	65	46	80	36	55	-3	.9	.2	.5	2.9	105	27.2	118	92	58	0	0	4	1
SAULT STE. MARIE	62	42	78	34	52	1	1.1	.3	.4	2.9	79	29.0	118	99	64	0	0	5	0
MN ALEXANDRIA	52	37	56	29	44	-10	.3	-.2	.2	3.9	180	21.1	102	92	53	0	2	3	1
DULUTH	52	35	61	24	44	-8	1.5	.8	1.1	5.0	163	26.1	107	90	54	0	3	3	0
INT'L FALLS	50	34	57	24	42	-7	.3	-.4	.3	2.8	94	26.1	129	93	57	0	2	2	0
MINNEAPOLIS	55	39	65	33	47	-10	1.4	.9	1.0	3.6	154	24.4	110	92	58	0	0	4	1
ROCHESTER	54	38	64	33	46	-11	2.1	1.5	1.4	5.3	182	21.5	90	98	63	0	0	5	1
MS GREENWOOD	80	55	89	43	67	-5	.1	-.7	.1	1.8	57	24.2	60	89	42	0	0	1	0
JACKSON	80	56	88	44	68	-5	1.7	.9	.9	3.0	90	35.2	87	99	52	0	0	4	1
MERIDIAN	80	57	87	43	69	-4	1.6	.8	1.4	1.6	48	35.8	86	100	54	0	0	3	1
MO CAPE GIRARDEAU	72	48	89	39	60	-1	.4	-.5	.4	1.4	41	35.9	104	95	46	0	0	1	0
COLUMBIA	68	45	78	36	57	-9	1.0	.1	.6	1.2	34	38.3	134	96	55	0	0	4	1
KANSAS CITY	65	47	77	41	56	-9	3.3	2.3	1.6	7.8	202	38.6	134	92	53	0	0	5	3
SAINT LOUIS	70	49	87	41	60	-7	.4	-.3	.2	.4	14	35.0	131	91	45	0	0	3	0
SPRINGFIELD	71	45	87	36	58	-8	1.1	.1	.7	1.2	31	35.8	117	93	45	0	0	3	1
MT BILLINGS	51	35	68	27	43	-13	.7	.4	.4	1.9	159	10.3	84	82	42	0	3	4	0
GLASGOW	49	31	67	26	40	-14	.1	0	.1	.8	96	11.0	107	90	47	0	5	3	0
GREAT FALLS	50	34	66	25	42	-13	.5	.3	.3	3.2	332	14.3	112	94	58	0	3	6	0
HAVRE	49	34	64	27	42	-12	.2	0	.2	2.7	301	8.8	92	88	48	0	4	2	0
HELENA	52	33	73	26	43	-9	.6	.5	.3	2.3	290	7.4	78	82	40	0	2	4	0
KALISPELL	55	29	68	18	42	-9	.1	-.1	.1	4.1	389	11.5	96	91	41	0	6	1	0
MILES CITY	50	33	73	27	42	-15	.2	0	.2	1.5	142	10.6	90	88	45	0	4	2	0
MISSOULA	56	34	71	25	45	-7	.2	-.1	.1	3.6	375	10.8	105	92	39	0	3	3	0
NE GRAND ISLAND	56	40	63	32	48	-13	.5	0	.3	5.2	220	25.4	123	95	53	0	1	4	0
LINCOLN	58	41	71	36	50	-12	.9	.3	.5	3.8	136	27.9	119	94	55	0	0	4	0
NORFOLK	55	38	64	32	47	-13	.6	.2	.2	4.1	208	22.9	109	94	51	0	1	4	0
NORTH PLATTE	56	33	68	29	45	-14	.4	.1	.3	3.2	201	16.3	93	83	42	0	3	5	0
OMAHA	58	41	71	35	49	-12	.9	.2	.4	2.0	64	18.2	71	89	61	0	0	5	0
SCOTTSDUFF	52	30	74	25	41	-17	1.2	.9	.5	1.9	192	7.9	62	94	49	0	5	5	0
VALENTINE	53	33	69	25	43	-15	1.3	1.0	1.1	2.7	196	13.2	85	85	45	0	4	3	1
NV ELY	72	30	78	25	51	-3	0	-.1	0	1.5	233	6.1	87	78	16	0	5	0	0
LAS VEGAS	91	64	97	61	77	0	T	-.1	T	.1	27	.8	25	36	14	5	0	0	0
RENO	81	40	96	36	61	3	0	-.1	0	.6	229	2.7	51	79	16	1	0	0	0
WINNEMUCCA	76	34	83	28	55	-1	0	-.1	0	.5	173	3.5	63	54	12	0	4	0	0
NH CONCORD	69	50	72	38	60	4	1.7	1.0	1.1	4.3	148	21.6	83	97	61	0	0	2	2
NJ ATLANTIC CITY	75	58	82	50	67	3	2.0	1.4	.9	2.2	80	24.1	77	97	62	0	0	4	2
NM ALBUQUERQUE	75	47	82	42	61	-5	T	-.1	T	1.5	191	8.2	130	74	22	0	0	1	0
CLOVIS	74	47	84	44	61	-6	1.7	1.3	1.7	4.5	257	24.4	174	84	32	0	0	1	0
ROSWELL	79	53	88	50	66	-4	.1	-.2	.1	1.9	115	11.4	143	80	28	0	0	4	1
NY ALBANY	72	52	77	42	62	4	1.8	1.1	1.6	3.1	101	20.9	79	97	59	0	0	3	1
BINGHAMTON	67	49	73	42	58	1	3.9	3.1	3.4	4.8	154	24.3	88	97	64	0	0	3	0
BUFFALO	72	51	82	43	61	2	.2	-.5	.1	1.2	38	27.6	101	92	49	0	0	4	1
NEW YORK	76	62	84	58	69	4	3.2	2.5	2.7	4.2	129	28.1	88	91	58	0	0	3	1
ROCHESTER	72	49	82	44	61	1	1.2	.7	.6	2.8	112	19.5	84	95	55	0	0	3	1
SYRACUSE	72	49	80	37	60	1	2.0	1.3	1.9	3.9	126	22.0	76	96	58	0	0	3	1
NC ASHEVILLE	73	50	79	37	62	-2	.5	-.3	.5	1.3	34	27.1	72	98	56	0	0	2	0
CHARLOTTE	78	58	83	47	68	-1	T	-.8	T	.7	22	34.6	102	87	48	0	0	1	0
GREENSBORO	76	55	82	43	66	-1	T	-.8	T	0	25.5	77	87	48	0	0	0	0	
HATTERAS	80	71	83	65	75	3	4.1	2.9	2.3	4.8	87	35.9	87	94	70	0	0	4	2
NEW BERN	79	63	84	54	71	0	9.6	8.4	6.8	9.8	181	39.7	93	95	67	0	0	3	2
RALEIGH	76	58	82	47	67	-1	.2	-.5	.2	.2	7	28.0	85	84	52	0	0	2	0
WILMINGTON	80	63	86	51	72	0	2.0	.8	1.5	2.8	51	33.4	77	94	61	0	0	2	2
ND BISMARK	53	32	65	25	42	-11	.1	-.2	.1	1.3	100	15.3	113	87	42	0	3	1	0
FARGO	52	33	59	24	43	-12	T	-.4	T	1.4	80	16.4	98	86	45	0	3	0	0
GRAND FORKS	53	32	62	24	43	-10	T	-.4	T	.9	46	13.8	80	92	49	0	6	2	0
WILLISTON	49	30	70	23	40	-13	T	-.2	T	1.1	84	9.6	80	92	49	0	0	3	0
OH AKRON-CANTON	71	49	84	41	60	-1	.6	0	.3	.7	24	25.1	89	97	43	0	0	2	0
CINCINNATI	73	47	86	40	60	-5	.4	-.2	.3	.4	15	28.9	92	95	40	0	0	3	0
CLEVELAND	71	48	83	37	59	-2	.5	-.2	.3	1.8	67	26.2	96	92	43	0	0	2	0
COLUMBUS	73	47	87	39	60	-2	.7	-.4	.4	.7	26	23.7	80	86	43	0	0	3	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending September 28, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE SEPT. 1	PCT. NORMAL SINCE SEPT. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	72	47	85	40	59	-4	.7	.2	.6	.7	30	22.7	83	80	36	0	0	2	1
TOLEDO	70	46	83	38	58	-2	1.1	.5	1.0	2.4	100	27.6	112	95	43	0	0	2	1
YOUNGSTOWN	72	48	83	37	60	0	1.1	.4	.5	2.4	84	27.0	93	98	48	0	0	3	1
OK OKLAHOMA CITY	73	53	86	46	63	0	1.1	.3	.7	3.3	104	33.7	134	85	39	0	0	3	1
TULSA	75	53	89	45	64	-1	1.4	.4	.8	2.7	65	36.7	120	88	35	0	0	3	2
OR ASTORIA	70	46	78	41	58	0	0	0	0	3.2	112	24.8	59	96	54	0	0	0	0
BURNS	69	30	82	22	49	-7	0	0	0	1.1	191	4.6	90	89	17	0	5	0	0
MEDFORD	88	45	94	40	66	4	0	0	0	1.5	226	6.3	54	88	65	2	0	0	0
PENDLETON	70	42	77	32	56	-5	0	0	0	2.1	391	7.1	88	85	23	1	0	0	0
PORTLAND	76	50	82	46	63	2	0	0	0	2.7	186	13.6	60	84	31	0	0	0	0
SALEM	80	43	88	35	61	2	0	0	0	1.0	70	12.9	54	92	24	0	0	0	0
PA ALLENTOWN	73	54	79	48	64	2	8.6	7.8	5.8	9.4	247	36.1	107	96	59	0	0	4	2
ERIE	72	55	83	47	63	4	.8	-1	.4	2.2	60	27.0	94	88	50	0	0	2	0
HARRISBURG	71	58	78	50	65	1	2.7	1.9	2.2	3.7	109	25.3	85	92	57	0	0	4	1
PHILADELPHIA	75	57	80	52	66	1	4.7	4.0	3.0	5.8	180	26.6	84	93	64	0	0	4	2
PITTSBURGH	73	50	85	40	62	1	.3	-4	.2	.3	11	22.9	80	91	40	0	0	2	0
SCRANTON	71	52	78	44	61	2	6.7	6.0	5.6	7.8	248	31.9	120	95	56	0	0	4	2
RI PROVIDENCE	73	58	76	52	66	5	.9	1	.5	2.0	60	31.8	97	95	62	0	0	2	1
SC CHARLESTON	83	64	88	55	73	0	1.2	1.2	1.0	2.5	54	39.1	91	94	52	0	0	2	1
COLUMBIA	83	67	87	41	70	-2	1	1	1	1	2	32.5	81	93	45	0	0	2	0
FLORENCE	80	59	82	51	70	-2	T	T	T	1.3	33	24.9	69	95	51	0	0	1	0
SD GREENVILLE	80	56	85	44	68	-1	1	1	1	1.6	40	31.5	80	92	47	0	0	2	0
ABERDEEN	54	35	62	25	45	-11	T	T	T	2.7	191	15.0	96	87	39	0	2	0	0
HURON	54	36	59	28	45	-12	T	T	T	3.3	260	20.8	130	91	46	0	0	1	0
RAPID CITY	50	28	70	18	39	-19	.3	1	1	1.5	155	9.6	67	92	53	0	2	4	0
SIoux FALLS	54	36	62	29	45	-12	.8	2	4	3.2	120	23.8	114	92	54	0	0	5	0
TN CHATTANOOGA	75	52	84	41	64	-5	.4	-6	2	.9	21	28.9	72	94	50	0	0	2	0
KNOXVILLE	79	51	86	37	65	-4	.4	-3	.3	.6	20	25.9	72	96	43	0	0	3	0
MEMPHIS	78	54	88	49	66	-6	.7	-1	.6	2.4	69	35.5	89	92	48	0	0	2	1
NASHVILLE	75	52	87	44	63	-6	1.7	1.1	1.1	2.1	61	24.1	64	94	46	0	0	2	2
TX ABILENE	81	57	91	46	69	-4	T	T	T	.3	11	17.3	93	73	31	1	0	1	0
AMARILLO	73	46	86	40	59	-8	T	T	T	4.1	258	17.8	108	82	35	0	0	1	0
AUSTIN	85	65	94	56	75	-2	.3	-6	2	2.8	84	19.7	83	85	44	2	0	2	0
BEAUMONT	86	65	93	56	76	-1	.5	-8	2	6.1	105	49.7	124	95	50	2	0	3	0
BROWNSVILLE	90	72	93	68	81	1	1	-1	1	3.2	66	24.6	129	97	58	4	0	2	0
CORPUS CHRISTI	87	70	92	65	79	-1	2	-2	2	2.5	43	24.1	102	95	60	3	0	2	0
DEL RIO	86	67	92	61	77	-1	1.0	1.3	1.0	1.8	70	14.7	110	73	36	2	0	1	0
EL PASO	83	55	88	53	69	-3	.2	1	2	1.5	109	6.2	98	78	23	0	0	1	0
FORT WORTH	81	58	91	50	70	-6	.3	-5	2	2.1	69	21.9	94	77	31	1	0	2	0
GALVESTON	82	72	87	65	77	-2	.2	-1	1	2.1	38	32.2	106	80	55	0	0	3	0
HOUSTON	89	66	96	57	77	1	1.2	1	1.1	1.6	35	30.9	91	90	42	3	0	3	1
LUBBOCK	78	51	86	46	64	-4	.8	.3	.8	4.5	235	18.9	128	86	32	0	0	1	1
MIDLAND	81	55	89	50	68	-4	T	T	T	2.5	130	9.7	87	78	30	0	0	0	0
SAN ANGELO	83	56	92	45	70	-4	0	0	0	1.2	41	14.1	99	76	34	2	0	1	0
SAN ANTONIO	86	68	94	58	77	0	.8	0	.8	2.8	79	30.2	135	83	42	2	0	1	0
VICTORIA	89	68	93	59	79	0	.2	-1	1	1.6	28	32.2	111	94	47	4	0	3	1
WACO	85	58	92	49	72	-5	.7	-1	.7	3.8	127	20.9	89	81	37	2	0	1	1
WICHITA FALLS	80	54	93	46	67	-6	.9	1	.8	1.1	35	25.3	119	76	31	1	0	2	1
UT BLANDING	69	42	75	33	56	-4	2	1	2	3.4	415	12.1	153	73	27	0	0	1	0
CEDAR CITY	74	42	80	34	58	-2	0	0	0	.7	83	7.2	92	65	20	0	0	0	0
SALT LAKE CITY	69	46	77	41	57	-4	0	0	0	2.0	239	11.4	99	65	23	0	0	0	0
VT BURLINGTON	70	50	76	42	60	5	1.6	.9	1.4	3.2	107	24.6	96	88	51	0	0	2	1
VA NORFOLK	78	66	86	56	72	2	6.4	5.4	3.0	6.4	156	34.4	97	88	59	0	0	5	3
RICHMOND	77	61	87	52	69	2	5.0	4.2	2.2	5.0	150	36.6	110	89	54	0	0	4	3
ROANOKE	75	55	80	47	65	0	T	T	T	1.3	43	32.9	110	79	44	0	0	1	0
WA COLVILLE	64	37	70	28	51	-4	0	0	0	2.4	300	9.5	81	72	38	0	2	0	0
QUILLAYUTE	69	43	78	36	56	1	0	-1.5	0	4.9	102	34.0	54	92	43	0	0	0	0
SEATTLE-TACOMA	69	49	76	45	59	1	0	0	0	2.0	106	13.4	58	88	41	0	0	0	0
SPOKANE	63	37	69	31	50	-6	0	0	0	1.6	252	6.9	63	71	24	0	1	0	0
YAKIMA	71	35	81	34	53	-5	0	0	0	.8	271	3.2	62	91	26	0	0	0	0
WV BECKLEY	71	46	79	37	59	-2	.5	-3	.4	.5	17	26.6	80	98	54	0	0	2	0
CHARLESTON	79	53	91	47	66	1	.4	-3	.2	.7	24	26.2	78	88	39	1	0	3	0
HUNTINGTON	76	50	87	41	63	-2	.3	-4	.2	.3	11	30.0	93	98	42	0	0	3	0
PARKERSBURG	75	50	86	43	63	-1	.6	-1	.5	.6	22	20.8	62	97	37	0	0	5	0
WI GREEN BAY	61	41	73	33	51	-5	1.2	.5	.7	3.3	109	28.6	127	96	62	0	0	5	1
LA CROSSE	58	41	65	37	50	-9	2.2	1.4	1.2	4.6	141	21.8	86	99	61	0	0	5	1
MADISON	62	41	71	32	51	-6	1.0	.3	.6	4.4	152	26.2	104	95	64	0	1	3	1
MILWAUKEE	65	45	74	35	55	-4	.2	-5	.1	3.3	121	21.9	89	95	60	0	0	3	0
WAUSAU	55	39	62	31	47	-8	2.3	1.5	1.1	4.1	113	24.4	93	96	69	0	1	6	2
WY CASPER	49	28	69	22	39	-16	.6	.4	.4	1.1	157	8.6	92	90	49	0	7	3	0
CHEYENNE	51	28	71	19	39	-16	.4	.2	.2	1.7	167	17.1	146	92	44	0	7	5	0
LANDER	50	27	65	15	38	-17	.7	.5	.5	1.7	211	7.2	69	92	47	0	6	3	0
SHERIDAN	50	29	75	23	40	-15	.8	.5	.4	1.6	149	8.8	72	92	48	0	5	5	0
PR SAN JUAN	88	75	90	72	81	-1	1.0	1.4	1.5	4.9	87	26.2	69	93	64	2	0	4	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

National Agricultural Summary

September 23 to 29, 1985

HIGHLIGHTS: Unseasonably cold temperatures slowed crop development over most of the Nation and virtually terminated the growing season in the northern Great Plains. Moisture over the eastern half of the Nation helped small grain emergence but slowed seeding in some areas. Farmers had 4-6 days suitable for fieldwork except for Michigan, Wisconsin, Iowa, Nebraska, and Montana which had less than 4 days. Soil moisture was generally adequate except along the West Coast.

Spring wheat harvest lagged behind normal at 94 percent (%) completion. Normally, the crop would be harvested by this time. Winter wheat advanced to 40% seeded, virtually the same as last year but 5 points below the average. Corn was 83% mature and 12% harvested, compared with the normal progress of 83% mature and 15% harvested. Cold temperatures slowed soybean development across most of the major producing areas. Soybeans were 7% harvested, 5 points below the 12% average. Cotton was mostly good and bolls were open on 70% of the acreage, just slightly ahead of normal. Cotton harvest was 7 points ahead of 1984 and 4 points above average. Sorghum turned color on 89% of the acreage, compared with 91% normally. Harvest was 5 points behind normal. Rice was 68% harvested, 7 points ahead of 1984 and the average. Peanut harvest advanced rapidly and was ahead of normal in nearly all States. Burley tobacco harvest neared completion in most areas. Fall vegetable and apple harvest continued in the northern producing areas. Hurricane Gloria damaged apples and fruit trees in the northeastern States. Livestock was mostly good and movement from summer pastures continued.

SMALL GRAINS: Spring wheat harvest lagged behind normal in all States except Idaho, which completed harvest ahead of normal. In North Dakota and Minnesota, harvest was 5 and 7 points behind normal, respectively. Spring wheat was 96% harvested in Montana. Normally, both States would have finished harvest by now.

Winter wheat seeding advanced to 40% completion, virtually the same as last year but 5 points below the average. Seeding was behind normal in 12 of the 18 major producing States. Kansas producers seeded 40% of the acreage, compared with 50% normally. Nebraska wheat was 75% sown and 45% emerged, a 15 point departure from the normal progress. Moisture promoted emergence and growth but delayed planting. Seeding in Oregon trailed the normal pace by 17 points.

CORN: In the 17 major producing States, corn was 83% mature and 12% harvested. Normally, 82% would be mature and 15% harvested. Precipitation interrupted harvest in most areas during the week. Harvest ranged from 1% finished in South Dakota to 90% finished in Georgia. Freezing temperatures and frost virtually halted crop growth across the northern Great Plains and caused very little crop damage.

SOYBEANS: Unseasonably cold temperatures slowed crop development across most of the major soybean producing areas. Acreage with soybeans dropping leaves totaled 62%, 3 points below average. Soybeans were 7% harvested, compared with the 12% average. Leaf dropping was ahead of normal in 3 States and harvest was ahead of normal in 4 States. Harvest had not started in South Carolina and Tennessee and was just beginning in Minnesota, Nebraska, and South Dakota. Normally, 10% or more

of the crop would have been harvested in these States.

COTTON: Cotton was mostly good to fair. In the 14 major producing States, bolls were opening on 70% of the acreage, just slightly ahead of normal. Cotton was 18% harvested, 7 points ahead of 1984 and 4 points above average. Harvest was furthest along in Mississippi and Louisiana with 33 and 47% harvested, respectively. Harvest was not underway in California and New Mexico. In Texas, cotton was 18% harvested, 1 point ahead of normal. Cotton harvest advanced rapidly in the Blacklands and central Texas.

SORGHUM: Sorghum turned color on 88% of the acreage in 6 of the 7 major producing States. Last year, 93% turned color and averages 91% turning color. Sorghum was mature on 58% of the acreage and 62% would be mature normally. Harvest was 5 points behind normal, which was caused mostly by the slow start in Kansas, Nebraska, and South Dakota. Frost damaged sorghum in northwest Kansas and in Nebraska.

OTHER CROPS: Rice was 68% harvested, 7 points ahead of last year and the average. Harvest was ahead of normal in all States except Texas and Louisiana. Harvest was 7 points ahead of normal in Arkansas and 37 points ahead of normal in Mississippi. Rice harvest neared completion in Texas and Mississippi.

Peanut digging advanced rapidly and was ahead of normal in nearly all States. Alabama peanuts were 70% dug, compared to 55% normally. Virginia and North Carolina were 6 and 19 points ahead of the average, respectively. Georgia peanuts were 87% dug, 13 points ahead of normal.

Burley tobacco harvest neared completion in most areas. The cool temperatures caused tobacco to cure too fast in Kentucky. Some flue-cured tobacco remained for harvest in Virginia.

VEGETABLES: Fall vegetable harvest continued in the northern producing areas. Maine potato growers dug 65% of the crop while Idaho potato harvest was 19% complete. In Florida, transplanting and land preparation was active for most vegetable crops. Harvest was underway for pickles, sweet corn, squash, tomatoes, radishes, and cucumbers. Vegetable planting continued in Texas' Rio Grande Valley. Planting and harvesting continued in California.

FRUIT AND NUTS: Apple harvest continued in the northern producing areas. Hurricane Gloria damaged apple and fruit trees in the northeastern States. Florida's citrus groves were very good to excellent. Citrus harvest continued increasing in all areas. Lemon harvest continued in western and central areas of Arizona. Other citrus varieties sized and developed well. California fruit producers harvested Granny Smith apples, dates, raisins, wine grapes, table grapes, grapefruit, lemons, and Valencia oranges. Almond, pistachio, and walnut harvests were active. Pecan harvest was underway in Texas.

PASTURES AND LIVESTOCK: Pastures were mostly good. Some pastures in the West began greening from recent rain. Livestock was mostly good. Movement to winter pastures increased as cold temperatures, and snow blanketed higher elevation in some northern States.

CROP PROGRESS

	SORGHUM % COLORING		
	1985	1984	AVG.
ARK	97	NA	NA
KANS	80	90	85
MO	91	93	89
NEBR	92	94	97
OKLA	100	100	97
S DAK	80	87	96
TEX	95	95	94
7 STATES	89	NA	NA
EXCL. STATES WITH NA	88	93	91

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

NA - NOT AVAILABLE

	SPRING WHEAT % HARVESTED		
	1985	1984	AVG.
IDAHO	100	94	96
MINN	92	99	99
MONT	98	100	100
N D	93	100	98
S DAK	96	100	100
5 STATES	94	100	99

THESE 5 STATES PRODUCED 92%
OF THE 1984 SPRING WHEAT CROP.

	WINTER WHEAT % PLANTED		
	1985	1984	AVG.
ARK	4	6	7
CALIF	1	3	1
COLO	89	89	89
GA	3	4	6
IDAHO	47	50	46
ILL	8	7	10
IND	13	13	16
KANS	40	35	50
MICH	15	25	26
MO	10	12	15
MONT	50	45	55
NEBR	75	90	90
OHIO	15	10	15
OKLA	35	20	35
OREG	13	19	30
S DAK	84	92	92
TEX	29	41	37
WASH	64	59	57
18 STATES	40	39	45

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

	SORGHUM % MATURE		
	1985	1984	AVG.
ARK	91	NA	NA
KANS	35	50	45
MO	75	81	75
NEBR	50	60	60
OKLA	80	55	65
S DAK	43	55	68
TEX	80	73	77
7 STATES	59	NA	NA
EXCL. STATES WITH NA	58	62	62

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

NA - NOT AVAILABLE

	COTTON % BOLLS OPENING		
	1985	1984	AVG.
ALA	95	75	74
ARIZ	91	95	89
ARK	92	83	89
CALIF	100	100	89
GA	78	69	80
LA	97	80	85
MISS	98	89	95
MO	77	100	93
N MEX	75	99	83
N C	99	95	94
OKLA	70	40	45
S C	91	77	85
TENN	95	92	85
TEX	45	41	50
14 STATES	70	64	68

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

	CORN % MATURE		
	1985	1984	AVG.
COLO	66	67	60
GA	100	99	100
ILL	92	89	94
IND	90	80	80
IOWA	93	95	89
KANS	90	90	75
KY	89	74	80
MICH	75	85	78
MINN	66	84	78
MO	96	92	85
NEBR	80	80	70
N C	100	97	98
OHIO	95	70	80
PA	39	33	43
S DAK	66	81	90
TEX	98	NA	NA
WIS	54	83	75
17 STATES	83	NA	NA
EXCL. STATES WITH NA	83	84	82

THESE 17 STATES PRODUCED 93%
OF THE 1984 CORN CROP.

NA - NOT AVAILABLE

	SORGHUM % HARVESTED		
	1985	1984	AVG.
ARK	80	60	77
KANS	4	20	10
MO	27	37	36
NEBR	1	6	10
OKLA	25	15	15
S DAK	2	6	11
TEX	65	67	69
7 STATES	29	35	34

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

	COTTON % HARVESTED		
	1985	1984	AVG.
ALA	22	15	13
ARIZ	3	1	3
ARK	27	9	18
CALIF	0	4	1
GA	13	11	23
LA	47	13	17
MISS	33	11	16
MO	9	13	27
N MEX	0	0	2
N C	7	3	16
OKLA	5	2	1
S C	22	7	17
TENN	20	4	16
TEX	18	15	17
14 STATES	18	11	14

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

	CORN % HARVESTED		
	1985	1984	AVG.
COLO	4	5	5
GA	90	91	91
ILL	12	11	15
IND	8	5	8
IOWA	6	11	14
KANS	25	35	25
KY	30	15	26
MICH	5	5	3
MINN	1	4	4
MO	27	31	35
NEBR	3	5	9
N C	67	59	69
OHIO	10	5	10
PA	8	0	2
S DAK	1	3	7
TEX	78	80	74
WIS	2	1	2
17 STATES	12	12	15

THESE 17 STATES PRODUCED 93%
OF THE 1984 CORN CROP.

	SOYBEANS % DROPPING LEAVES		
	1985	1984	AVG.
ALA	40	41	37
ARK	20	17	24
GA	38	56	42
ILL	78	74	82
IND	85	85	80
IOWA	88	91	85
KANS	55	70	60
KY	37	41	42
LA	39	41	42
MICH	85	100	87
MINN	88	98	95
MISS	39	57	63
MO	51	52	53
NEBR	50	80	70
N C	11	12	12
OHIO	85	75	80
S C	12	13	18
S DAK	66	77	90
TENN	45	23	30
19 STATES	62	65	65

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

	SOYBEANS % HARVESTED		
	1985	1984	AVG.
ALA	8	5	4
ARK	7	1	3
GA	2	5	3
ILL	18	18	25
IND	13	13	15
IOWA	5	27	20
KANS	3	15	5
KY	3	3	5
LA	9	8	9
MICH	2	4	4
MINN	1	14	11
MISS	4	3	6
MO	3	7	10
NEBR	1	10	15
N C	3	0	0
OHIO	15	5	15
S C	0	0	0
S DAK	1	7	17
TENN	0	0	0
19 STATES	7	11	12

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

	RICE % HARVESTED		
	1985	1984	AVG.
ARK	63	43	50
CALIF	20	35	18
LA	89	91	91
MISS	92	57	55
TEX	94	100	100
5 STATES	68	61	61

THESE 5 STATES PRODUCED 97% OF THE 1984 RICE 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 mostly 1.00 in., 2.00 in. western counties. Temperatures averaged 3 to 7° below normal.

Fieldwork 4.5 days. Soil moisture 27% short, 63% adequate, 10% surplus. Corn harvested 85%, 72% 1984, 79% avg.; 8% poor, 35% fair, 49% good, 8% excellent. Soybeans turning color 65%, 66% 1984, 66% avg.; dropping leaves 40%, 41% 1984, 37% avg.; mature 21%, 20% 1984, 23% avg.; harvested 8%, 5% 1984, 4% avg.; 33% fair, 65% good, 2% excellent. Cotton bolls open 95%, 75% 1984, 74% avg.; harvested 22%, 15% 1984, 13% avg.; 16% fair, 72% good, 12% excellent. Sorghum harvested 74%, 61% 1984, 43% avg.; 28% fair, 70% good, 2% excellent. Peanuts dug 70%, 71% 1984, 55% avg.; combined 52%, 58% 1984, 42% avg.; 14% fair, 86% good. Pastures 2% poor, 43% fair, 51% good, 4% excellent. Livestock 17% fair, 79% good, 4% excellent. Primary activities: Harvesting corn, grain sorghum, hay, cotton, peanuts, soybeans; preparing land for fall crops, some planting of small grains, winter grazing crops; routine care of livestock, poultry.

ALASKA: Railbelt temperatures 10 below normal to 7° above normal. Precipitation fell throughout ranging from 0.44 in. Fairbanks to 1.56 in. at Homer. Seasonal totals above normal all areas except Palmer.

Days suitable for fieldwork 3.0. Topsoil moisture 80% adequate, 20% surplus. Subsoil moisture 55% adequate, 45% surplus. Very poor harvest conditions allowed little progress to already late harvest season. Barley for grain 30% harvested, 99% 1984. Wind, rain, snow some moderate to severe lodging damage to standing grain. Wet, muddy conditions limited commercial potato harvest, harvest 90% finished.

ARIZONA: Sunny, warm weather prevailed through 26th. Beginning 27th a cold low pressure system moved eastward across southern section of State. Showers, thunderstorms confined to southern two-thirds. Precipitation 0.05 to 1.00 in. except locally over 2.00 in. in extreme southeast. Average temperatures 1 to 5° below seasonal normals.

Cotton 77% good, 23% excellent; open bolls 91%, 95% 1984, 89% avg.; harvested 3%, 1% 1984, 3% avg. Growers defoliated in west, central areas, but slowed by rains for second week in row. Southeast growers also defoliated, but less actively. Harvest took place in west, central areas. Southeast harvest to begin 7th. Rainy, windy weather caused lodging; damage light. Weed, insect problems light to moderate. Alfalfa harvest slowed by rain. Damage light to moderate in west, central areas; moderate to heavy in southeast. Seasonal planting in west, new stands normal. Little planting in other areas of State. Weed, insect infestations moderate. Growers in west reported damage by aphids, caterpillars, armyworms. Sorghum good, much of acreage turning color. Some harvesting in west. Corn progressing normally. Sesame harvest advanced, peanuts good. Harvest of popcorn continued. Picking of lemons in west, central areas continued. Other citrus varieties sizing, developing well; groves good. Apple, pistachio harvests continued Willcox. Cantaloups harvested in Aguila, Salt River Valley; fall melons packed at Willcox. Other Salt River Valley crops harvested include: Honeydews, greens, green onions, squash. Pumpkin harvest began Willcox. Lettuce movement should begin 7th. Planting of lettuce, other winter vegetables active in major producing districts. Scattered rainfall replenished rangeland soil moisture,

stockwater tanks. Range feed supplies ample at higher elevations, less than adequate below 4,000 ft. Cattle, sheep fair to good.

ARKANSAS: Temperatures 4 to 110 below normal. Rainfall over 1.00 in. north, 0.50 in. or less elsewhere. Temperature extremes 330; 930. Precipitation 0.09 to 2.11 in.

Days suitable for fieldwork 6.0. Soil moisture 50% short, 48% adequate, 2% surplus. Cotton 92% bolls opening, 83% 1984, 89% avg. Cotton 27% harvested, 9% 1984, 18% avg. Cotton 15% fair, 49% good, 36% excellent. Winter wheat 4% planted, 6% 1984, 7% avg. Rice 63% harvested, 43% 1984, 50% avg. Sorghum 97% coloring; 80% harvested, 60% 1984, 77% avg.; 91% mature. Soybeans 20% dropping leaves, 17% 1984, 24% avg.; 7% harvested, 1% 1984, 3% avg. Soybeans 3% poor, 31% fair, 66% good.

CALIFORNIA: Dry, warmer weather returned to most of State. Only reported precipitation 0.22 in. Imperial. Temperatures above normal at almost all locations except for desert southeast interior. Blythe's weekly average temperature 5° below normal. Dry weather is expected to continue for upcoming week as higher pressure remains over State.

Farmers preparing small grain fields, fall plantings. Wheat 1% planted, 3% 1984, 1% avg. Cotton 100% bolls open, 100% 1984, 89% avg. Cotton none harvested, 4% 1984, 1% avg. Rice 20% harvested, 35% 1984, 18% avg. Field corn, sugarbeet, sunflower, dry bean harvests continued. Safflower harvest virtually complete. Alfalfa hay arvest continued. Rice 100% good. Cotton 20% fair, 80% good. Granny Smith apple, Coachella Valley date, raisin, table, wine grape, olive, summer grapefruit, desert lemon, Valencia orange, almond, pistachio, walnut harvests active. Stone fruit harvest winding down. Growers pruning orchards. Artichokes light supply central coast. Transplanted broccoli, cauliflower doing well; supply light to moderate. Cantaloupe harvested San Joaquin Valley volume lower. Mixed melons continued to be packed. Fall lettuce doing well. Potato harvest active Shasta Valley; mice problem some fields. Pastures greening-up from recent rains. Continued rains needed sustain growth. Supplemental feeding necessary most districts. Livestock movement market, winter pastures heavy. Fall calving started San Joaquin Valley.

COLORADO: Scattered rain, snow showers midweek, but mostly dry until weekend storm brought much colder temperatures, snow to most of State. Temperatures averaged 5 to 150 below normal. Precipitation ranged from 0.50 to 3.00 in.

Days suitable for fieldwork 5.1. Soil moisture 34% short, 63% adequate, 3% surplus. Winter wheat 46% good, 54% excellent; 89% seeded, 89% 1984, 89% avg.; 61% emerged, 57% 1984, 60% avg. Corn 32% good, 68% excellent; 97% dented, 96% 1984, 94% avg.; 66% mature, 67% 1984, 60% avg.; 4% grain harvested, 5% 1984, 5% avg.; 90% silage harvested, 86% 1984, 84% avg. Barley harvested 95%, 98% 1984, 96% avg. Sorghum turning color 92%, 96% 1984, 88% avg.; 26% mature, 50% 1984, 50% avg.; 5% grain harvested, 10% 1984, 6% avg. Dry beans 95% cut, 94% 1984, 84% avg.; 65% threshed, 68% 1984, 60% avg. Range feed, livestock good.

FLORIDA: One weak cool front became stationary, then dissipated across Panhandle, 25th. Another cool front moved southeastward through much of State, 27th before dissipating over south on 28th. Scattered showers thunderstorms accompanied each front with rain amounts of 0.50 in. Panhandle, north; 1.00 in. central and southeast coast; less than 0.50 in. southwest. Dry, cooler

air into north behind second front with minimums falling into upper 40s, 50s temperatures averaged near normal. Panhandle 2 to 40 above normal central, south.

Soil moisture adequate except surplus in low and coastal areas. Peanut harvest active. Cotton harvest underway. Soybeans variable, fair some areas, good to excellent others. Late hay cuttings continued weather permitting. Small grain land preparation, planting underway. Sugarcane fair to good, preparation for harvest underway. Pastures some areas, including parts of Panhandle benefitted from additional rains. Grazing mostly good to excellent except low lying areas, mostly upper eastern Peninsula, which continued to have surplus water. Cattle generally good to excellent. Groves very good to excellent. Very little rain most areas, limited irrigation. Some flatwood groves still wet from mid-September rains. Harvest continued to increase all areas. Caretakers actively controlling cover crops. Weather conditions favorable vegetable areas. Rainfall light, scattered. Temperatures moderate under clear skies. Daytime highs, 80s to 90s; nighttime lows, 70s. Transplanting, land preparation active most vegetable crops. Harvest underway for pickles, sweet corn, squash, tomatoes, radishes, cucumbers. Harvest other fall vegetable expected mid-October early November.

GEORGIA: Rainfall greatest Atlanta, Athens; amounts in 1.00 in. range. Elsewhere, 0.30 to 0.80 in. except east less than 0.10 in. Maximum temperatures mainly 80s with 90° extreme south. Lows in mid and upper 30s north, 40s central, 50s south. Extremes 32° at Blairsville on 28th, 92° Augusta on 25th. Temperatures 1 to 30 below normal.

Days suitable for fieldwork 5.5. Soil moisture 18% very short, 53% short, 29% adequate. Main activities: Haying, harvesting, land preparation. Corn 90% harvested, 91% 1984, 91% avg.; 5% poor, 42% fair, 48% good, 5% excellent. Cotton 78% bolls open, 69% 1984, 80% avg.; 13% harvested, 11% 1984, 23% avg.; 27% fair, 70% good, 3% excellent. Grain sorghum 2% poor, 33% fair, 60% good, 5% excellent. Peanuts 87% dug, 73% 1984, 74% avg.; 74% threshed, 58% 1984, 59% avg.; 13% fair, 81% good, 6% excellent. Soybeans 100% setting pods, 100% 1984, 98% avg.; 38% dropping leaves, 56% 1984, 42% avg.; 2% harvested, 5% 1984, 3% avg.; 1% very poor, 3% poor, 47% fair, 46% good, 3% excellent. Wheat 3% planted, 4% 1984, 6% avg. Rye 9% planted, 9% 1984, 16% avg. Other small grains 1% planted, 8% 1984, 12% avg. Apples 78% harvested, 89% 1984, 90% avg.; 3% poor, 33% fair, 58% good, 6% excellent. Pecans 7% poor, 53% fair, 37% good, 3% excellent. Pastures 7% poor, 44% fair, 47% good, 2% excellent. Hay 3% poor, 47% fair, 47% good, 3% excellent. Cattle 2% poor, 25% fair, 70% good, 3% excellent. Hogs 1% poor, 21% fair, 75% good, 3% excellent.

HAWAII: Crops made fair progress. Low pressure area north of island resulted in light, variable winds. Afternoon showers, at times heavy, throughout beginning of week due to convective weather patterns. Steady harvesting of bananas anticipated. Head cabbage supplies to be moderate. Head lettuce output steady but low. Production of papayas on a seasonal decline. Some orchards affected by fallout from volcanic eruption.

IDAHO: Temperatures averaged 2 to 70 below normal. Only precipitation reported in State in southeast few stations reported very light precipitation early week. High pressure dominated weather for most of week with fair skies. Late week, trough of low pressure moved across eastern

portion of State with few clouds, only few areas of precipitation at higher elevations.

Days suitable for fieldwork 6.0. Spring wheat 100% harvested, 94% 1984, 96% avg. Potatoes 19% dug, 24% 1984, 22% avg. Hops 88% harvested. Third cutting alfalfa 58% baled, 46% 1984, 54% avg. Dry beans 70% harvested, 58% 1984, 57% avg. Onions 65% dug, 72% 1984, 69% avg. Corn for grain 6% combined. Silage corn 60% chopped, 46% 1984, 54% avg. Sugarbeets 12% harvested. Alfalfa seed 70% harvested, 58% 1984, 64% avg. Red clover seed 25% harvested, 58% 1984, 55% avg. Apples 18% picked, 14% 1984. Winter wheat 47% seeded, 50% 1984, 46% avg.; 13% emerged, 28% 1984, 22% avg. Movement from summer pasture; sheep 27%, cattle 20%. Livestock good. Range, pasture adequate.

ILLINOIS: Temperatures 6 to 80 below normal. Lows in 30s, 40s. Highs in 50s, 70s except for 80s on 23rd, 29th. Precipitation generally none to 0.20 in., except along western, eastern boundaries more than 0.50 in. received. Maximum rainfall 1.11 in.

Days suitable for fieldwork 4.0. Soil moisture 22% short, 75% adequate, 3% surplus. Corn mature 92%, 89% 1984, 94% avg.; harvested for grain 12%, 11% 1984, 15% avg. Soybeans turning yellow 93%, 92% 1984, 95% avg.; shedding leaves 78%, 74% 1984, 82% avg.; harvested 18%, 18% 1984, 25% avg. Winter wheat planted 8%, 7% 1984, 10% avg. Sorghum harvested for grain 14%, 11% 1984, 17% avg. Pasture 3% poor, 28% fair, 58% good, 11% excellent.

INDIANA: Temperatures averaged upper 60s to low 70s daytime, low to mid 40s night. Rainfall generally 0.75 to 1.00 in. northern half, 1.00 to 2.50 in. south.

Fieldwork averaged 5.0 days. Topsoil moisture 21% short, 77% adequate, 2% surplus. Subsoil moisture 27% short, 73% adequate. Corn 8% harvested, 5% 1984, 8% avg. Corn moisture 25%, 28% 1984; 90% mature, 80% 1984, 80% avg. Soybeans 13% combined, 13% 1984, 15% avg. Soybean moisture 14%, 14% 1984. Soybeans 85% dropping leaves, 85% 1984, 80% avg. Soybeans 50% mature, 35% 1984, 55% avg. Soybeans 100% turning yellow. Wheat 13% seeded, 13% 1984, 16% avg. Wheat 8% emerged. Wheat land 48% plowed, 30% 1984, 55% avg. Rye 25% seeded, 25% 1984, 30% avg. Tobacco 90% harvested, 85% 1984, 85% avg. Silos 75% filled, 70% 1984, 75% avg.

IOWA: Cold, wet week. Temperatures 8 to 130 subnormal. Low of 24° 26th; high 74° 27th, 28th. Precipitation 0.60 in. northwest to 3.18 in. south central.

Days suitable for fieldwork 1.7. Topsoil moisture 4% short, 64% adequate, 32% surplus. Subsoil moisture 37% short, 56% adequate, 7% surplus. Corn mature 93%, 95% 1984, 89% avg.; harvested 6%, 11% 1984, 14% avg. Soybeans dropping leaves 88%, 91% 1984, 85% avg. Soybeans harvested 5%, 27% 1984, 20% avg. Winter wheat sown 25%, 49% 1984, 43% avg. Fall tillage completed, 2%, fertilizer application completed 2%. Livestock good.

KANSAS: Precipitation averaged 1.00 to 2.00 in. east, 0.25 to 0.75 in. central, 0.10 to 0.30 in. west. Temperatures averaged 46° northwest, 56° southeast, 50 to 55° elsewhere ranging 10 to 16° below normal. Frost, freezing temperatures west and north central, 1 to 30 weeks earlier than normal.

Days suitable for fieldwork 2.5. Topsoil moisture 4% short, 61% adequate, 35% surplus. Wheat 40% seeded, 35% 1984, 50% avg. Sorghum 80% coloring, 90% 1984, 85% avg. Sorghum 35% mature, 50% 1984, 45% avg. Sorghum 4% harvested, 20%

1984, 10% avg. Frost damage to sorghum northwest. Corn 100% dent, 100% 1984, 96% avg. Corn 90% mature, 90% 1984, 75% avg. Corn 25% harvested, 35% 1984, 25% avg. Soybeans 55% dropping leaves, 70% 1984, 60% avg. Soybeans 3% harvested, 15% 1984, 5% avg. Range, pastures excellent. Alfalfa fourth cutting, 65% complete.

KENTUCKY: Unseasonably cool weather and periods of showers. Rainfall amounts averaged from 1.50 in. west to 0.75 in. east. Mean temperatures averaged near 60°; 6 to 8° below seasonal normals.

Days favorable for fieldwork 4.5. Soil moisture 43% short, 52% adequate, 5% surplus. Corn 30% harvested, 15% 1984, 26% avg. Yields generally as expected, 89% mature or harvested, 74% 1984, 80% avg. Soybeans 14% fair, 74% good, 12% excellent. Harvest underway most areas; 3% complete, 3% 1984, 5% avg.; 37% shedding leaves or later, 41% 1984, 42% avg.; 32% still entirely green. Tobacco harvest nearly complete, 5% still in field. Some curing to fast, helped by cool weather. Houseburn generally light. Wheat 13% seeded, 9% 1984, 11% avg. Mostly cover crop. Pastures, hay fair to good.

LOUISIANA: Temperatures averaged 40° below normal to 10° above normal. Temperature extremes 42°; 94°. Rain totals averaged 0.18 to 2.25 in.

Days suitable for fieldwork 5.1. Soil moisture 21% short, 68% adequate, 11% surplus. Cotton 13% poor, 52% fair, 35% good; 97% open bolls, 80% 1984, 85% avg. Cotton 47% harvested, 13% 1984, 17% avg. Rice 98% ripe, 95% 1984, 98% avg.; 89% harvested, 91% 1984, 91% avg. Soybeans 4% poor, 42% fair, 45% good, 9% excellent; 68% leaves turning, 68% 1984, 69% avg. Soybeans 39% shedding, 41% 1984, 42% avg.; 9% harvested, 8% 1984, 9% avg. Sorghum 99% ripe, 100% 1984, 94% avg.; 94% harvested, 96% 1984, 87% avg. Corn 99% harvested, 98% 1984, 95% avg. Sweetpotatoes 70% harvested, 70% 1984, 67% avg. Hay final cutting 84% complete, 87% 1984, 80% avg. Sugarcane fair to good; 63% planted, 61% 1984, 66% avg. Wheat 2% planted, 4% 1984, 4% avg. Pastures, livestock fair to good; vegetables fair to good.

MARYLAND & DELAWARE: Maryland: Gloria dropped heavy precipitation over all areas of State except far west. Warm, wet. Temperatures averaged mostly 2 to 3° warmer than normal. Lows in mid 40s west, mid 50s elsewhere. Highs in mid 80s. Precipitation averaged 4.11 in.; ranging from 0.50 in. west to 7.42 in. on shore.

Fieldwork 5.7 days suitable. Topsoil, subsoil adequate. Corn fair to good. Corn 85% mature, 75% 1984, 70% avg. Corn silage 95% cut, 90% 1984, 90% avg. Corn for grain 50% harvested, 35% 1984, 40% avg. Soybeans good west of bay, fair to good elsewhere. Soybeans 70% turned, 75% 1984, 70% avg. Soybeans 30% shedding, 50% 1984, 40% avg. Tobacco 95% harvested, 95% 1984, 90% avg. Alfalfa hay fourth cutting 80% completed, 70% 1984, 75% avg. Fourth cutting of othe hay 75% completed. Barley 40% seeded, 40% 1984, 35% avg. Wheat 25% seeded, 10% 1984, 15% avg. Rye 35% seeded, 40% 1984, 35% avg. Oats 25% seeded, 10% 1984, 15% avg. Apples 70% harvested, 65% 1984, 55% avg.

Delaware: Warm, wet. Temperatures averaged mostly 2 to 3° above normal. Lows averaged mid 50s, highs near mid 80s. Gloria left rains averaging 4.84 in., ranged from 3.85 to 6.13 in.

Fieldwork 5.0 days suitable. Topsoil moisture surplus. Subsoil moisture adequate. Corn 100% mature, 90% 1984, 95% avg. Corn harvested for silage 90%, 95% 1984, 95% avg. Corn for grain 55% harvested, 30% 1984, 30% avg. Soybeans 70% turned, 85% 1984, 75% avg. Soybeans 30% shedding leaves, 45% 1984, 30% avg. Barley 10% seeded, 5% 1984, 10% avg.

MICHIGAN: Temperatures averaged 10 below normal.

Days suitable for fieldwork 3.9. Soil moisture 7% short, 39% adequate, 54% surplus. Cool, damp weather restricted field activities. Corn silage, dry bean harvest along with winter wheat seeding hampered by wet soils. Corn 75% mature, 85% 1984, 78% avg.; 5% harvested, 5% 1984, 3% avg. Corn 5% poor, 15% fair, 55% good, 25% excellent. Winter wheat 15% planted, 25% 1984, 26% avg. Winter wheat 20% fair, 45% good, 35% excellent. Soybeans 85% dropping leaves, 100% 1984, 87% avg.; 2% harvested, 4% 1984, 4% avg. Soybeans 5% poor, 20% fair, 55% good, 20% excellent. Fruit, vegetable harvest slowed by intermittent showers. Apple picking continued; size, color excellent. Grape harvest active, minor disease problems.

MINNESOTA: Very cool across entire State; temperatures averaged 9 to 13° below normal. Temperatures extremes: 21°; 70°. Precipitation ranged from 0.44 in. below normal northwest to 1.19 in. above normal southeast. Greatest weekly total 3.12.

Days suitable for fieldwork 2.9. Topsoil moisture 41% adequate, 59% surplus. Field corn 66% mature, 84% 1984, 78% avg.; 1% harvested, 4% 1984, 4% avg. Soybeans 88% dropping leaves, 98% 1984, 95% avg.; 44% mature, 72% 1984, 69% avg.; 1% harvested, 14% 1984, 11% avg. Spring wheat 92% harvested, 99% 1984, 99% avg. Sunflowers 94% bracts turning yellow, 99% 1984, 99% avg.; 47% bracts turning brown, 81% 1984, 79% avg.; 1% harvested, 3% 1984, 8% avg. Sugarbeets 13% harvested, 13% 1984, 11% avg. Potatoes 48% harvested, 72% 1984, 61% avg.

MISSISSIPPI: New record low temperatures. Extremes 38°; 91°. Greatest 24-hour rainfall 3.98 in. Bay St. Louis.

Fieldwork 4.0 days suitable, 6.3 1984, 5.7 avg. Soil moisture 19% short, 70% adequate, 11% surplus. Cotton 98% open bolls, 89% 1984, 95% avg.; 33% harvested, 11% 1984, 16% avg.; 4% poor, 21% fair, 68% good, 7% excellent. Soybeans 39% shedding, 57% 1984, 63% avg.; 4% harvested, 3% 1984, 6% avg.; 3% poor, 13% fair, 81% good, 3% excellent. Rice 92% harvested, 57% 1984, 55% avg. Grain sorghum 81% harvested, 61% 1984, 61% avg.; 38% fair, 62% good. Corn 77% harvested, 57% 1984, 69% avg.; 3% poor, 25% fair, 66% good, 6% excellent. Sorghum silage 96% harvested, 94% 1984. Sweetpotatoes 49% harvested, 56% 1984, 45% avg. Peanuts 63% harvested, 67% 1984. Hay 90% harvested 90% 1984, 92% avg. Pasture 6% poor, 30% fair, 61% good, 3% excellent. Wheat 11% planted, 11% 1984, 10% avg.

MISSOURI: Temperatures averaged 6 to 11° below normal. Precipitation averaged over 3.00 in. northwest, around 1.50 in. southwest and northeast around 0.75 in. southeast.

Days suitable for fieldwork 2.9. Topsoil moisture 17% short, 57% adequate, 26% surplus. Corn mature 96%, 92% 1984, 85% avg.; harvested 27%, 31% 1984, 35% avg. Soybeans 16% fair, 75% good, 9% excellent; dropping leaves 51%, 52% 1984, 53% avg.; mature 21%, 25% 1984, 31% avg.; harvested 3%, 7% 1984, 10% avg. Grain sorghum coloring 91%, 93% 1984, 89% avg.; mature 75%, 81% 1984, 75% avg.; harvested 27%, 37% 1984, 36% avg. Cotton 36% fair, 64% good. Bolls open 77%, 100% 1984, 93% avg. Winter wheat seedings 10%, 12% 1984, 15% avg. Pasture 5% poor, 31% fair, 57% good, 7% excellent.

MONTANA: Cool week; temperatures averaged 6° below normal west of divide, as much as 15° below normal extreme east. Mild temperatures over all State midweek with cool temperatures first of week, turning cold at end of week. Precipitation

heaviest in south central; amounts ranged from 0.66 to 2.50 in. along southern border. Foot or so of snow fell over higher valleys, much larger amounts mountains. Precipitation moderate to heavy over most of central, southeast areas; light to moderate rest of State. West northeast least precipitation.

Days suitable for fieldwork 2.6. Topsoil moisture 7% short, 78% adequate, 15% surplus. Subsoil moisture 42% short, 54% adequate, 4% surplus. Sugarbeets harvested 10%, 2% 1984, 5% avg. Corn silage harvested 80%, 80% 1984, 75% avg. Dry beans harvested 60%, 55% 1984, 65% avg. Potatoes harvested 25%, 40% 1984, 25% avg. Alfalfa hay second cutting 90%, 100% 1984, 100% avg. Winter wheat planted 50%, 45% 1984, 55% avg. Winter wheat emerged 30%, 10% 1984, 20% avg. Livestock moved from summer ranges 65%. Livestock receiving supplemental feeding 15%.

NEBRASKA: Midweek mild, dry. Beginning and end cold, wet. First killing frost over much of State on 23rd, 24th, 25th. Average temperatures ranged 15 to 20° below normal. Precipitation totaled from 0.25 in. Panhandle to over 2.00 in. southeast. First major snow storm over weekend dropped 1 to 10 in. of snow across State. Little accumulation eastern third.

Days suitable for fieldwork 2.9. Topsoil moisture 5% short, 60% adequate, 35% surplus. Subsoil moisture 13% short, 71% adequate, 16% surplus. Winter wheat 2% poor, 18% fair, 70% good, 10% excellent. Wheat sown 75%, 90% 1984, 90% avg. Wheat emerged 45%, 55% 1984, 60% avg. Moisture positive for emergence growth, delayed planting. All corn 4% fair, 66% good, 30% excellent. Irrigated corn 3% fair, 73% good, 24% excellent. Non-irrigated corn 1% poor, 7% fair, 50% good, 42% excellent. Corn dented 100%, 100% 1984, 100% avg. Corn mature 80%, 80% 1984, 70% avg.; harvested 3%, 5% 1984, 9% avg. Damage from frost, snow expected minimal. Soybeans 15% fair, 74% good, 11% excellent. Soybeans turning color 90%, 92% 1984, 85% avg.; dropping leaves 50%, 80% 1984, 70% avg.; harvest 1%, 10% 1984, 15% avg. Some green beans that hadn't dropped leaves went down under snow, expected to recover. Potential damage to later planting fields. Hay reduce quality and test weights. Sorghum 21% fair, 71% good, 8% excellent. Sorghum coloring 92%, 94% 1984, 97% avg.; mature 50%, 60% 1984, 60% avg.; harvested 1%, 6% 1984, 10% avg. Potential damage to late planting sorghum in reduced test weights. Dry bean harvest delayed again due to cool, wet conditions. Quality of beans in windrow will be reduced due to some water damage. Pasture and range feed supplies mostly adequate to short. Winter grazing prospects good. Movement of livestock to market slow, prices down.

NEVADA: Sunny, dry conditions prevailed most of week. Clouds, some scattered thundershowers with mostly light rain spread into southern, east central areas late in period. Week began with slightly below normal temperatures but warming to above normal north and central before finishing week near normal. Southern areas near normal entire period.

Potato harvest again in full swing, seed combining winding down. Cattle still drifting down to lower elevation ranges.

NEW ENGLAND: Tropical storm Henri, Hurricane Gloria hit southern regions full force. Precipitation ranged from 0.50 to 6.50 in. south; 0.25 to 2.00 in. north. Temperatures averaged slightly above normal north, near normal south ranging from mid 50s near Canadian border to mid 60s along south coast.

High winds, heavy rains caused significant apple, field corn losses in localized areas of

Connecticut, Massachusetts and southern Maine. Maine potatoes 65% dug, on schedule with last year. Field corn 45% harvested, on schedule with last year. Second crop hay 95% cut; third crop 80% cut. Sweet corn harvest 95% complete. Apples 55% picked. Cranberry water harvest underway.

NEW JERSEY: Temperatures averaged 2 to 40 above normal. Extremes 360; 820. Weekly rainfall averaged 5.42 in. north, 3.86 in. central, 4.20 in. south. Heaviest 24-hour total 4.15 in., on 26th, 27th. Estimated soil moisture, in percent of field capacity, averaged 85% north, 79% central, 74% south. Four inch soil temperatures averaged 64% north, 660 central, 670 south. Storm totals of 5.00 in. not uncommon with some stations reporting as high as 8.33 in. in precipitation.

Some erosion and local flooding occurred. Hurricane Gloria caused some crop damage from strong winds. Field corn knocked down, some apple trees damaged. Fall vegetable volume increasing. Cranberry harvest general. Soybean harvest beings as fields dry. Stream, reservoir levels greatly improved. Pasture growth improving.

NEW MEXICO: Temperatures lower than normal; 210 northern mountains to 910 southeastern Plains. Precipitation statewide; 0.02 in. northern mountains to 1.71 northeastern Plains.

Days suitable for fieldwork 4.6. Soil moisture 15% short, 70% adequate, 15% surplus. Hail damage 87% none, 13% light. Alfalfa 33% fair, 56% good, 11% excellent. Cotton 25% fair, 75% good; 75% open bolls, 99% 1984, 83% avg.; none harvested, none 1984, 2% avg. Corn 13% fair, 62% good, 25% excellent. Barley 75% good, 25% excellent. Irrigated wheat 17% fair, 50% good, 33% excellent. Dryland wheat 75% good, 25% excellent. Irrigated grain sorghum 22% fair, 56% good, 22% excellent. Dryland grain sorghum 33% good, 67% excellent. Pecans 17% fair, 83% good. Apples 40% fair, 60% good. Chile 17% fair, 83% good. Lettuce 50% good, 50% excellent; harvested to start this week. Cattle 8% fair, 75% good, 17% excellent. Sheep 9% fair, 82% good, 9% excellent. Range 25% fair, 58% good, 17% excellent.

NEW YORK: Cold front moved through State on 24th, brought dry weather to an end. Rains of Hurricane Gloria on 27th. Rainfall for State averaged 2.00 to 4.00 in. across eastern two-thirds. High temperatures peaked in low 80s in western and northern on 23rd, then fell to 60s and 70s after cold front passed. Low temperatures dipped to the mid 20s in Adirondacks on 26th but only scattered frost reported elsewhere.

Average 5.5 days suitable for fieldwork. Soil moisture adequate. Silage corn harvest 28% complete, 15% 1984, 35% avg. Yields down, except where moisture adequate. Third cutting alfalfa hay 64% complete, 96% 1984, 58% avg. McIntosh, Cortland apples harvested. Pastures fair to good.

NORTH CAROLINA: Temperatures slightly below normal over mountains, just slightly above normal east. Rainfall ranged from none to 9.65 in. across State.

Days suitable for fieldwork 5.9. Soil moisture 15% very short, 53% short, 24% adequate, 8% surplus. Flue-cured tobacco harvested 95%, 100% 1984, 100% avg. Burley harvested 96%, 93% 1984, 88% avg. Corn harvested for silage 93%, 88% 1984, 91% avg.; harvested for grain 67%, 59% 1984, 69% avg. Cotton 30% fair, 70% good; open bolls 99%, 95% 1984, 94% avg.; harvested 7%, 3% 1984, 16% avg. Peanuts 45% fair, 55% good. Peanuts dug 39%, 32% 1984, 20% avg.; threshed 19%, 14% 1984, 10% avg.; Soybeans 1% poor, 57% fair, 39% good, 3% excellent; pods set 99%, 98% 1984, 97% avg.;

leaves dropped 11%, 12% 1984, 12% avg. Grain sorghum 2% poor, 39% fair, 59% good; harvested 44%, 36% 1984, 39% avg. Sweetpotatoes 29% fair, 68% good, 3% excellent; harvested 32%, 22% 1984, 30% avg. Apples 20% poor, 40% fair, 40% good; harvested 69%, 64% 1984, 63% avg. Pasture 12% poor, 61% fair, 27% good. Major farm activities; harvesting and marketing tobacco; cutting silage; harvesting hay, apples, corn, sorghum, and cotton; digging sweetpotatoes; harvesting peanuts; mowing; plowing and discing tobacco, corn stalks, land preparation for cover crops; harvesting fall vegetables; fall seeding, general farm maintenance.

NORTH DAKOTA: Cloudy, cold weather persisted last week. Every location reported hard freeze. Temperatures averaged 9 to 12° below normal. Temperature extremes ranged from 70° on 26th to 170° on 24th. Precipitation light, spotty; heavier amounts in southwest. Seasonal precipitation departures ranged from a plus 3.23 in. northeast to a minus 2.85 in. southeast.

Topsoil, subsoil moisture continued well above last year, average. Topsoil 12% short, 86% adequate, 2% surplus. Subsoil 24% short or very short, 74% adequate, 2% surplus. Spring, durum wheat harvest still incomplete. Hard frost several nights brought a row crop growing season to an end. Damage to immature crops undetermined at this time, however it will exceed normal frost damage. Spring wheat 93% combined, 100% 1984, 98% avg.; durum 84% combined, 100% 1984, 96% avg. Sunflower 44% bracts brown and beyond, 75% 1984; 67% avg. Soybeans 9% combined, 46% 1984, 27% avg. Potatoes 48% dug, 85% 1984, 65% avg. Flax 47% combined, 95% 1984, 76% avg. Dry edible beans 26% combined, 97% 1984, 65% avg. Winter wheat seeding 91% complete; rye seeding 93% complete.

OHIO: Low 3 to 80 below normal; high temperatures 1 to 30 below normal. Average soil temperatures ranged from low to mid 60s. Precipitation 0.25 to 1.00 in.

Days suitable for fieldwork 6.0. Topsoil moisture 52% short, 46% adequate, 2% surplus. Corn 3% fair; 69% good, 28% excellent; mature 95%, 70% 1984, 80% avg.; harvested for grain 10%, 5% 1984, 10% avg.; harvested for silage 65%, 40% 1984, 60% avg. Soybeans 5% fair, 78% good, 17% excellent; shedding leaves 85%, 75% 1984, 80% avg.; harvested 15%, 5% 1984, 15% avg. Winter wheat planted 15%, 10% 1984, 15% avg. All hay good; alfalfa 4th cut 50%, other hay 3rd cut 85%. Tobacco harvested 100%, 95% 1984, 90% avg. Pasture good. Correction for week end 22nd on soybeans harvested; previous year and average revised. Correction data are none 1984, 5% avg.

OKLAHOMA: Temperatures averaged 40° below normal northeast to 100° below normal Panhandle. Precipitation averaged 0.90 in. Panhandle to 2.55 in. southwest.

Days suitable for fieldwork 4.0. Topsoil moisture 18% short, 70% adequate, 12% surplus. Subsoil moisture 32% short, 8% adequate. Moisture needed south. Wheat 35% planted, 20% 1984, 35% avg. Early stands mostly good condition. Sorghum 100% coloring, 100% 1984, 97% avg. Sorghum 80% mature, 55% 1984, 65% avg. Sorghum 25% harvested, 15% 1984, 15% avg. Cotton 60% good, 40% fair. Cotton 70% bolls opening, 40% 1984, 45% avg. Cotton 5% harvested, 2% 1984, 1% avg. Weekend rains helped late-maturing row crops, pastures. Cattle marketings, prices up slightly.

OREGON: Temperatures east of Cascades cooler than normal by 60; west of Cascades averaged 30 above normal. No rainfall coastal areas did report precipitation of 0.02 in. due to heavy fog. Most of State remains above normal for September precipitation.

Soil moisture 40% short, 60% adequate. Winter wheat 13% planted, 19% 1984, 30% avg.; seeding most advanced in eastern high country; many growers waiting for more moisture. Some small grains remain to be harvested at high elevations of east. Willamette Valley grass seed continued to be planted; many fields emerged. Sugarbeets for seed in west growing well. Hay cutting continued. Corn silage harvest started Malheur County; some dry beans not harvested yet. Pear picking continued Hood River, Medford, Willamette Valley. Apple harvest also continued these areas. Filberts mostly on grounds; harvest starting. Wine grape harvest started. Evergreen blackberry harvest complete. Red raspberry training continued. Weed control spraying on strawberries. Storage potato digging Hermiston, central areas, Malheur County, Willamette Valley. Onions harvested in west, Malheur County. Sweet corn harvested neared completion these two areas. Garlic planted. Cabbage, cauliflower harvested west. Livestock good. Fall pasture greenup in west, higher elevations of east.

PENNSYLVANIA: Temperatures averaged 60°, 20° below normal. Average rainfall 2.17 in., 1.41 in. above normal.

Days suitable 5.0. Soil moisture 57% short, 30% adequate, 13% surplus. Corn 2% very poor, 4% poor, 15% fair, 38% good, 41% excellent. Soybeans 4% very poor, 7% poor, 9% fair, 45% good, 35% excellent. Potatoes 81% harvested, 71% 1984. Corn 39% mature, 33% 1984, 43% avg.; 8% harvested, none 1984, 2% avg. Third cutting alfalfa 91% complete, 88% 1984. Fourth cutting alfalfa 47% complete, 45% 1984. Quality of hay 10% poor, 28% fair, 62% good. Amount of feed being obtained from pastures 57% below avg., 43% avg. Activities included: Harvesting corn, corn silage, green chop, hay, potatoes, apples, grapes, fall cabbage, peppers, tomatoes, cauliflower, fall plowing; seeding small grains; cleaning manure storage facilities.

PUERTO RICO: Island average rainfall 1.93 in., 0.08 in. above normal. Highest weekly total 6.77 in. Highest 24-hour total 4.46 in. Temperatures averaged about 80 to 82° on coast and 76 to 79° interior divisions. Mean station temperatures ranged 69 to 83°. Extremes 62°; 95°. Total rainfall 0.61 in., minus 0.79 in.

SOUTH CAROLINA: Warm, dry with seasonably cool nights. Temperatures about normal, rainfall minimal. State spared any significant damage from Hurricane Gloria, but failed to receive much needed precipitation.

Days available for fieldwork activities 5.9. Soil moisture 48% very short, 50% short, 2% adequate. Soybeans 4% poor, 64% fair, 26% good, 6% excellent; leaves turnig 20%, 45% 1984, 42% avg.; shedding leaves 13% 1984, 18% avg. Cotton 10% fair, 90% good. Cotton open bolls 91%, 77% 1984, 85% avg.; harvested 22%, 7% 1984, 17% avg. Corn fair to good; 86% harvested, 86% 1984, 88% avg. Tobacco 58% stalks destroyed, 75% 1984. Apples fair to good; 84% harvested, 72% 1984, 77% avg. Pastures and hay, winter grazing fair to good; livestock good.

SOUTH DAKOTA: Average temperatures ranged 8 to 12° below normal north; 12 to 18° normal south. Extremes 22°; 78°. Black Hills low 16°. Frost or hard freeze conditions present. Snow south, 5 to 12 in. northern hills; 3 to 7 in. south central. Melted precipitation 0.25 to 1.00 in. south, less than 0.25 in. north.

Days suitable for fieldwork 4.4. Topsoil moisture mostly adequate; scattered surplus east, short and critically short extreme west; 6% critically short, 20% short, 57% adequate, 17%

surplus. Subsoil moisture adequate and surplus east, short central and north, critically short west; 15% critically short, 30% short, 45% adequate, 10% surplus. Corn 2% very poor, 4% poor, 11% fair, 57% good, 26% excellent. Corn 66% mature, 81% 1984, 90% avg. Corn 1% harvested, 3% 1984, 7% avg. Winter wheat 6% poor, 17% fair, 56% good, 21% excellent. Winter wheat 84% planted, 92% 1984, 92% avg. Spring wheat 96% harvested, 100% 1984, 100% avg. Sorghum 6% very poor, 8% poor, 25% fair, 57% good, 4% excellent. Sorghum 80% coloring, 87% 1984, 96% avg. Sorghum 43% mature, 55% 1984, 68% avg. Sorghum 2% harvested, 6% 1984, 11% avg. Soybeans 15% fair, 69% good, 16% excellent. Soybeans 66% dropping leaves, 77% 1984, 90% avg. Soybeans 1% harvested, 7% 1984, 17% avg.

TENNESSEE: Several fronts crossed State. Temperatures averaged below normal. Precipitation widespread. Heaviest amounts midweek. East remained dry.

Farmers averaged 4.5 days suitable. Soil moisture 29% short, 63% adequate, 8% surplus. Crops in good condition. Harvest ahead of schedule. Most field crops mature or harvested. Corn 95% mature, 85% 1984, 85% avg.; 40% harvested, 18% 1984, 30% avg. Cotton 95% open bolls, 92% 1984, 85% avg.; 20% harvested, 4% 1984, 16% avg.; 8% fair, 84% good, 8% excellent. Tobacco burley 96% harvested, 93% 1984, 90% avg.; dark-fired 97% harvested, 88% 1984, 85% avg.; dark air-cured 97% harvested, 88% 1984, 85% avg. Soybeans 45% shedding leaves, 23% 1984, 30% avg.; 20% mature, 4% 1984, 8% avg.; 6% fair, 90% good, 4% excellent. Sorghum 90% mature, 50% 1984, 55% harvested, 15% 1984. Pasture mostly fair to good. Wheat 10% sown, 9% 1984, 15% avg.

TEXAS: Three cold fronts moved through State. First brought scattered thunderstorms mainly north central, southern sections early week. Cool air spread over State behind front, temperatures dipped upper 30s northern Panhandle. Second midweek produced rains south, east, cooling not pronounced as first. Third entered State slowly on 27th, but very strong surge cold air pushed it southward over weekend. Upper air disturbance combined with front to trigger rains over much State, some heavy amounts lower Rio Grande Valley, Coastal Bend. First freezing temperatures season record 29th, over much northern High Plains--three to four weeks earlier than normal. Rainfall above normal across State, except northern Low Plains. Temperatures below normal statewide.

Crops: Grain sorghum 95% turing color, 95% 1984, 94% avg.; 80% mature, 73% 1984, 77% avg.; 65% harvested for grain, 67% 1984, 69% avg. Sorghum 1% poor, 20% fair, 61% good, 18% excellent. Harvest resumed across Plains, Cross Timbers early week, good yields reported dryland, irrigated fields. Late week, rain stalled harvest activities. Corn 98% mature; 78% harvested, 80% 1984, 74% avg. Corn 17% fair, 62% good, 21% excellent. Harvest resumed last week, good yields reported Plains. Activities slowed late week because cooler, wetter conditions. Cotton 45% open bolls, 41% 1984, 50% avg.; 18% harvested, 15% 1984, 17% avg. Cotton 2% poor, 40% fair, 53% good, 5% excellent. Harvest advanced rapidly Blacklands, portions central during most last week. Some defoliating Low Plains, Cross Timbers. Few days warmer weather helped bolls mature midweek. Late week, temperatures turned coldest of season, which slowed maturing process. Yields remain good. Rice 99% turning color, 100% 1984, 100% avg.; 94% harvested, 100% 1984, 100% avg. Rice 7% fair, 51% good, 42% excellent. Harvest second crop underway along Upper Coast. Yield outlook remains good. Peanuts 14% harvested, 12% 1984, 17% avg. Digging continued

many areas, including south, Cross Timbers. Yields below earlier expectations, but quality good. Many fields continued drought stressed. Some blight because cooler temperatures. Soybeans 12% harvested, 23% 1984, 9% avg. Additional rain improved fields High Plains. Late beans harvested along Upper Coast, only poor yields reported. Wheat 29% planted, 41% 1984, 37% avg.; 8% emerged, 13% 1984, 11% avg. Small grain seeding good progress most areas last week. Late week rainfall aid germination, growth of seeded fields. Some good stands Cross Timbers. Recent moisture allow additional seeding previously drier areas. Other field crops: Sugarbeets none harvested, 12% 1984, 2% avg. Sunflowers 30% harvested, 26% 1984, 25% avg. Oats 22% planted, 27% 1984, 26% avg.

Commercial Vegetable: Rio Grande Valley, planting continued. Cucumber harvest continued. Peppers, tomatoes, cabbage being irrigated. Most vegetables progressing well. High Plains, harvest potatoes, cabbage, carrots, peppers, cucumbers resumed early midweek. East, planting fall vegetables continued. Sweetpotato harvest continued. Trans-Pecos, harvest of chilies continued. Pecan harvest underway early varieties some parts State. Early yields good. Other areas, nuts shuck split stage, or already open. Additional rain may slow nut droppage.

Range and Livestock: Recent rain accompanied cold front should improved conditions. Many areas stressed before these showers. Most hay operations completed except some alfalfa. Livestock remain good. Market improved slightly. Many tanks low, should receive good boost from rain.

UTAH: Temperatures 3 to 7° below normal all divisions. No precipitation in western, Uinta Basin, Dixie divisions. Other divisions received very light precipitation.

Days suitable for fieldwork 6.3. Rains improved soil moisture, most of State now reports adequate moisture. Harvesting corn silage, hay, potatoes, onions, apples. Winter wheat seeding 75% complete, 71% avg. Third cutting hay nearly complete. Corn silage harvest 52% complete, 53% avg. Good weather last week for onion harvest. Yields, quality excellent prices low. Livestock moving off summer ranges, good condition.

VIRGINIA: Coastal areas very wet. Coastal rain 23rd from tropical storm Henri, 27th from Hurricane Gloria. Coastal rain averaged 4.00 in., up to 8.00 in. recorded. Elsewhere, partly cloudy with scattered light showers. Average rain 0.50 in. Sunny, cool end of period. Temperatures for period averaged 2 to 3° above normal.

Days suitable for fieldwork averaged 5.5. Topsoil moisture 67% short, 14% adequate, 19% surplus. Hurricane winds damaged small amounts of corn, soybean in eastern counties. Corn 89% mature, 88% 1984, 94% avg. Grain corn 49% harvested, 41% 1984, 44% avg. Silage corn 80% harvested, 86% 1984, 87% avg. Soybean mostly good. Soybean harvest just beginning. Peanut good to excellent. Peanuts 31% dug, 33% 1984, 25% avg. Peanut 23% combined, 19% 1984, 14% avg. Flue-cured tobacco harvest 87% complete, 89% 1984, 91% avg. Fire-cured, Burley, sun-cured tobacco

Days suitable for fieldwork 7.0. Soil moisture 36% poor, 5% fair, 9% adequate. Winter wheat seeded 64%, 59% 1984, 57% avg.; winter wheat emerged 41%, 47% 1984, 44% avg. Potatoes 42%, 45% avg. Hay supplies 27% short, 73% adequate. Range and pasture 54% short, 46% adequate. Dry bean harvest continued. Corn grain and corn silage harvest just underway. Third cutting alfalfa hay nearing completion. Red delicious apple, grape harvest full swing.

WEST VIRGINIA: Temperatures averaged 9° below normal to 2° above normal. Low 30° at Greenbank, high 91° at Charleston, Williamson. Averged temperature 60°. Precipitation averaged 0.50 in. below normal to 0.67 in. above normal. Averged precipitation 0.43 in.

Days worked 5.4. Soil moisture very short to short. Harvesting hay, filling silos, general farm maintenance.

WISCONSIN: Average temperatures 4 to 8° below normal. Precipitation 1.40 to 3.80 in. north, 1.10 to 2.80 in. central, 0.50 to 2.80 in. south. Killing frosts northern, central districts.

Days suitable for fieldwork 1.7. Soil moisture 1% short, 32% adequate, 67% surplus. General crop condition 2% very poor, 3% poor, 21% fair, 69% good, 5% excellent. Corn 2% very poor, 5% poor, 15% fair, 69% good, 9% excellent; mature 54%, 83% 1984, 75% avg.; harvested 2%, 1% 1984, 2% avg.; silo filling 22%, 34% 1984, 28% avg. Soybeans shedding leaves 45%, 50% 1984, 53% avg. Third cutting hay 66%. Fall plowing 12%, 8% 1984, 9% avg. Vegetable harvest slowed due to muddy conditions. Pasture condition 89% of normal, 81% 1984, 87% avg.

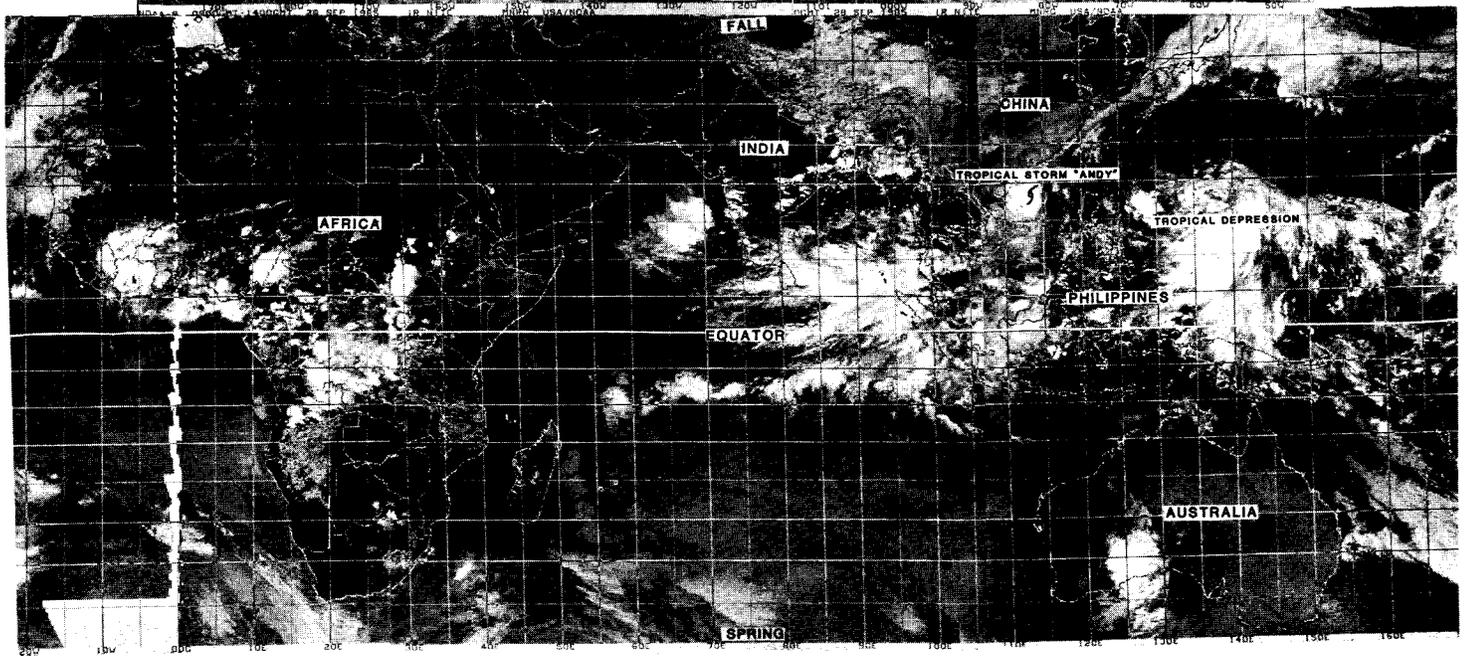
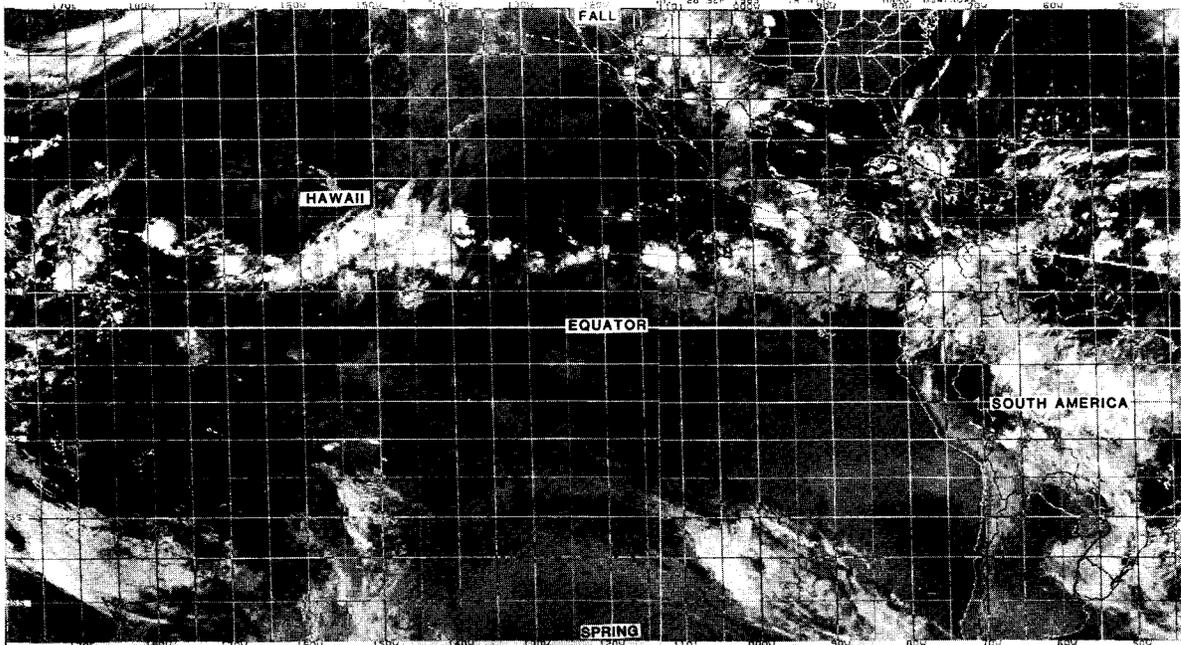
WYOMING: Temperatures well below normal. Precipitation above normal especially northeast.

Days suitable for fieldwork 4.0. Topsoil moisture 52% short, 47% adequate, 1% surplus. Subsoil moisture 60% short, 40% adequate. Winter wheat 90% seeded, 95% 1984, 90% avg.; 70% emerged, 65% 1984, 65% avg.; 15% poor, 50% fair, 35% good. Barley 95% harvested, 90% 1984, 95% avg. Spring wheat harvest wind-up stages. Oats 95% harvested, 90% 1984, 95% avg. Corn silage 80% harvested, 80% 1984, 65% avg. Potatoes 60% dug, 70% 1984, 55% avg. Dry bean 75% combined, 75% 1984, 60% avg. Corn for grain 15% dough, 5% 1984; 40% dented, 30% 1984; 35% mature, 45% 1984, 35% avg.; 5% harvested, 20% 1984, 5% avg. Sugarbeets 15% dug, 10% 1984, 5% avg. Livestock movement from summer ranges: Cattle 45%, 35% 1984; sheep 50%, 40% 1984. Rain, snow, sub-freezing temperatures slowed potato, beet digging, dry bean harvest. harvest virtually complete. Rains still needed in some areas of State to improve small grain planting conditions. Wheat 4% seeded, 6% 1984, 7% avg. Barley 14% seeded, 17% 1984, 21% avg. Oats 23% seeded, 27% 1984, 31% avg. Pastures fair to good. Pastures should improve in eastern areas with recent rain. Marketing cattle. Feed supplies short in some areas.

WASHINGTON: Large high pressure system over northeast Pacific diverted rain system north and south. Cool, dry. Freezing temperatures reported on both sides of Cascades.

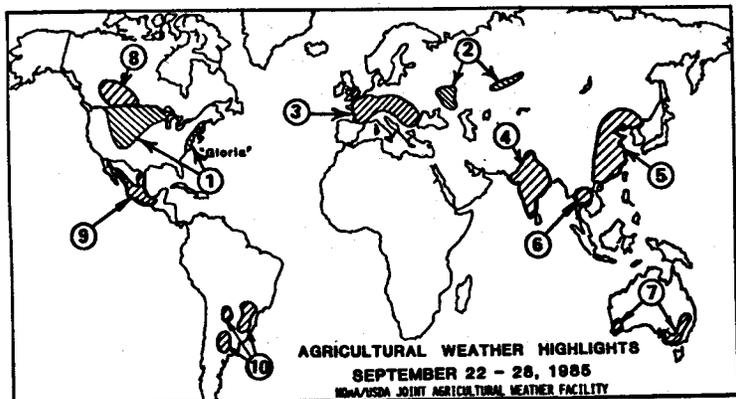
GLOBAL WEATHER SATELLITE IMAGE

SEPTEMBER 28, 1985



International Weather and Crop Summary

September 22-28, 1985

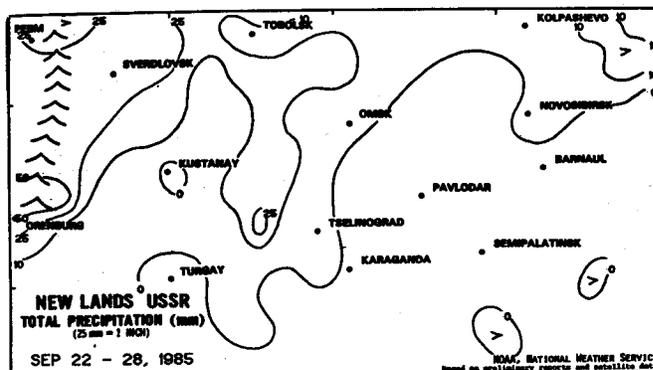
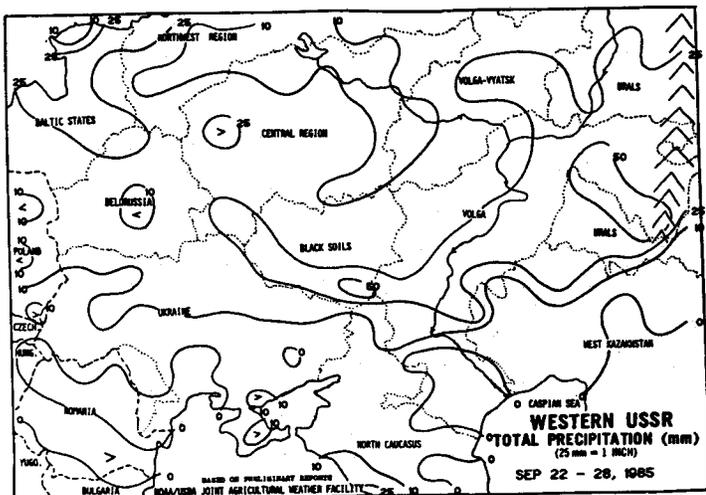


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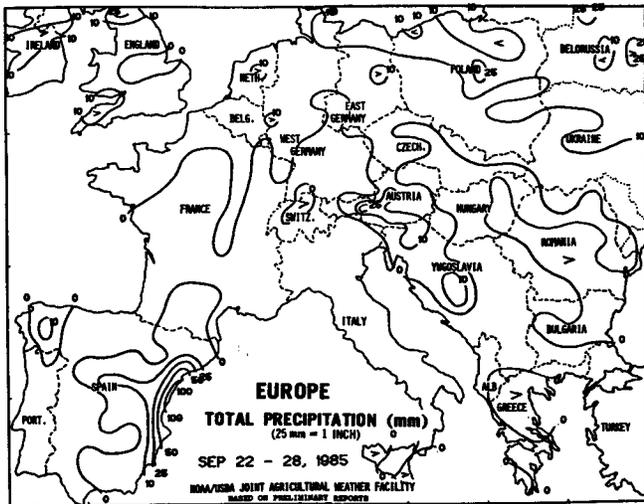
1. **UNITED STATES** ... Unseasonably cold temperatures slow crop development over most of the Nation and virtually terminate the growing season in the northern Plains. Hurricane Gloria dumps torrential rain along the coast from North Carolina to New England. Damage is generally confined to coastal areas except for New England where some crop damage occurs.
2. **USSR** ... In Western USSR, wet weather in the Volga Region delays sunflower harvesting. Intermittent showers in the south cause only minor delays in fieldwork. In the New Lands, continued unseasonably warm, dry weather in the east helps spring grain harvesting.
3. **EUROPE** ... Continued generally dry weather over the region helps fieldwork.
4. **SOUTH ASIA** ... Moisture is adequate for winter rice in the heading stage. Persistent dry weather stresses cotton and groundnuts.
5. **EASTERN ASIA** ... Drier weather benefits maturing summer crops in the North China Plain. Rain in the south benefits late rice.
6. **SOUTHEAST ASIA** ... Moderate rain in most areas favors rice.
7. **AUSTRALIA** ... Relatively dry weather covers most of the wheat belt. Moisture is possibly becoming limited in New South Wales.
8. **CANADA** ... Rain, snow, and cold weather continue to hamper crop harvesting.
9. **MEXICO** ... Mostly light rain fell in the northwest mountains and western corn belt while generally dry weather prevailed elsewhere.
10. **SOUTH AMERICA** ... Rain benefits Argentina's wheat growth and summer crop planting, and moistens topsoils in Brazil's dry northern crop area. Drier weather favors Brazil's southern wheat.

USSR...Widespread showers occurred over most crop areas. Early-week moderate showers (25-60 mm) fell in a band which stretched eastward from the southern Black Soils, through the Volga Valley, into the Urals Region. The rain likely delayed the sunflower and sugarbeet harvests, but provided abundant soil moisture for winter grain emergence. Further south, intermittent light showers (less than 10 mm), over the southern half of the Ukraine and North Caucasus caused only minor delays in summer crop harvesting and winter wheat planting. Average weekly temperatures were below normal in the north where winter grains continued to add growth. Normally, winter grains in the Central Region, Volga Vyatsk Region, and the Upper Volga enter dormancy in mid-October.

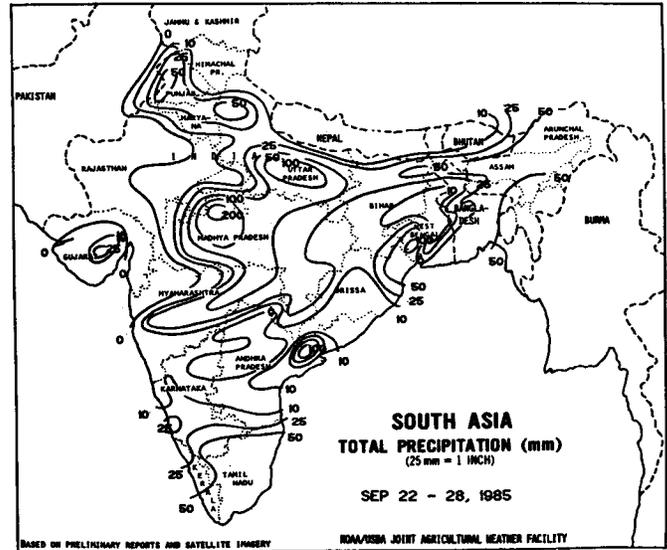
In the New Lands, widespread showers covered spring wheat areas in the vicinity of the Ural mountains. Rainfall amounts in these areas ranged from 25 to 60 mm, delaying final harvest efforts. Spring grain areas east of Omsk were unseasonably warm and dry, aiding harvesting. Reports indicate that as of September 23, small grains and pulses, excluding corn, were about 90 percent harvested.



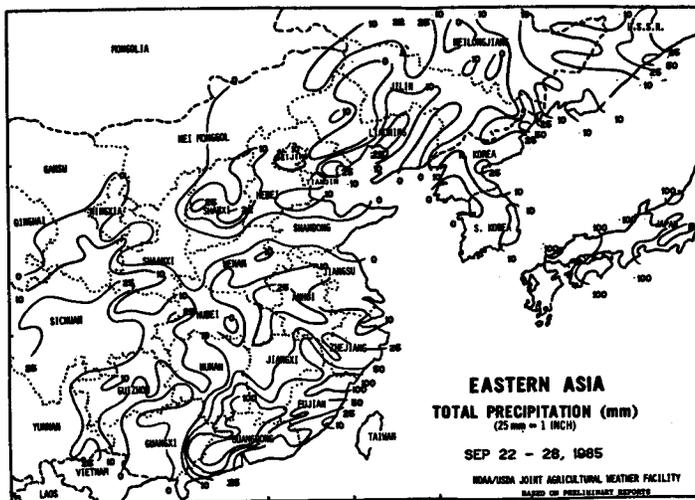
NOAA, NATIONAL WEATHER SERVICE
Based on preliminary reports and satellite data



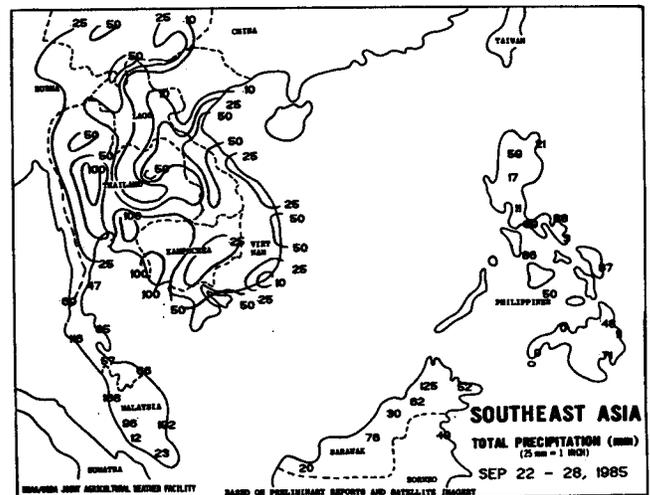
EUROPE... Generally dry weather covered crop areas except for northern East Germany, Poland, and eastern Spain where showers fell. In northern France, England, and West Germany, dry weather aided winter grain planting and sugar beet harvesting. The dry weather which spread eastward from southern France, through northern Italy, into southeastern Europe favored corn maturation and aided harvesting. Normally, most corn harvesting takes place in these areas during October. Topsoil moisture in parts of the southeast is likely limited for winter grain planting. In eastern Spain, heavy rain (50-100 mm) covered coastal citrus.



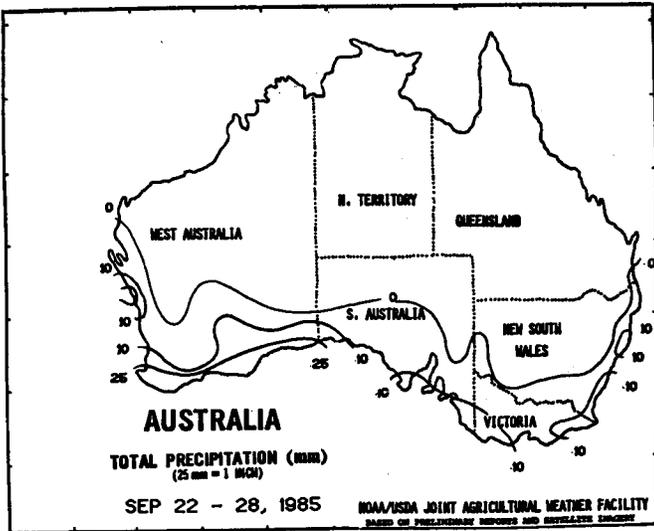
SOUTH ASIA ... Moderate to heavy rain fell in central India early in the week. A tropical low pressure area drifted into the region late last week and lingered over Madhya Pradesh and Uttar Pradesh where 100-200 mm of rain may have caused localized flooding. Moderate rain (25-75 mm) fell in Punjab and Haryana. The recent moisture slowed autumn rice harvesting but will benefit wheat planting in Punjab and western Madhya Pradesh which had below-normal rain this month. Generally, light rain (10-25 mm) fell on winter rice in Orissa, Bihar, and West Bengal, but moisture is adequate. Only widely scattered showers fell in much of the cotton and groundnut region, maintaining stressful conditions.



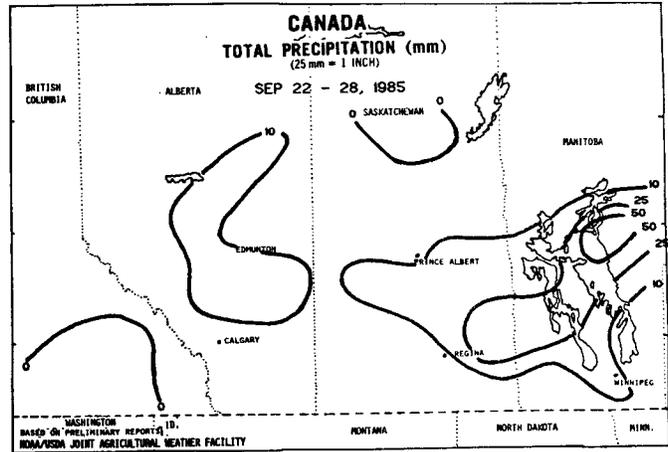
EASTERN ASIA... Much drier weather covered most of the North China Plain, following 2 weeks of moderate to heavy rain. The dry weather benefited summer crop harvesting and winter wheat planting in Hebei, Henan, Shandong, and Jiangsu. Light to moderate rain (10-30 mm) in Liaoning slowed harvesting, but mostly dry weather during the previous 2 weeks greatly benefited the region. Temperatures averaged below normal in most of China, but frost was confined to northern Manchuria. Moderate to heavy rain south of the Yangtze River benefited late rice in the filling stage, but some flooding may have occurred in western Guangdong. Mostly dry weather in Korea favored maturing rice, following heavy rain last week.



SOUTHEAST ASIA... Moderate to heavy rain covered much of Indochina. Beneficial rain fell in northern and south central Thailand, keeping rice well watered. Rainfall was lighter in the east, but the heaviest rain (25-50 mm) fell in the drier northeastern region benefiting late planted rainfed rice. Moderate rain (25-50 mm) fell in Kampuchea, southern Laos, and southern Vietnam favoring rice. Moderate to heavy rain throughout the Philippines favored rice.

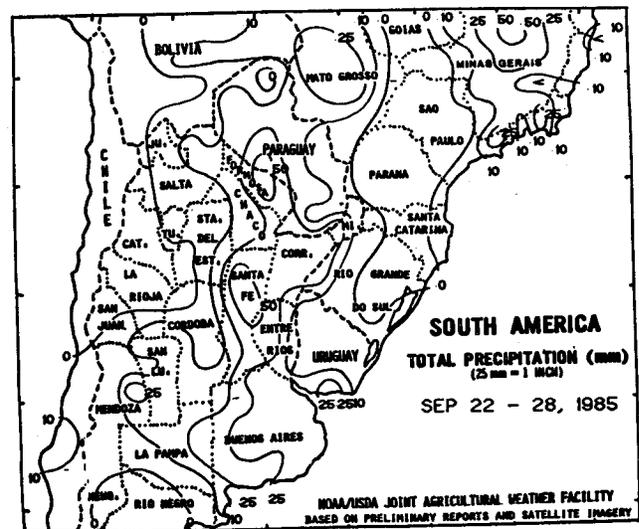


AUSTRALIA... Little or no rain fell in much of the wheat belt. Dry weather covered northern New South Wales and Queensland where moisture is possibly becoming limited for wheat in the heading stage. Only light showers (1-3 mm) fell in Victoria and southern New South Wales, following moderate rain. In Western Australia, weekly rainfall was mostly less than 10 mm, but last week's rainfall benefited wheat in the heading stage.



CANADA... Unfavorable weather continued to delay crop harvesting across the Prairie Provinces. Weekly precipitation was generally less than 10 mm in southern Alberta, western and southern Saskatchewan, and extreme southwestern Manitoba. A combination of snow and rain produced 10-20 mm in northern crop areas of Alberta, and 10-30 mm over the remainder of the grain belt. Locally heavier precipitation fell over Manitoba's northern Interlake region. Some harvest progress was made especially in southern crop areas, but subfreezing minimum temperatures also slowed drying of matured and swathed crops. Harvesting lags significantly behind schedule.

NO MAP AVAILABLE



SOUTH AMERICA... Beneficial rain fell over most of Argentina's crop areas. The moisture benefited vegetative growth of wheat, especially in southern Buenos Aires and La Pampa which were becoming too dry. The rain moistened topsoils for summer crop planting which has already begun. Corn, sorghum, and sunflower plantings are underway, mostly in northern crop areas. Drier weather in Rio Grande do Sul, Brazil was favorable for wheat which has abundant moisture for late reproduction and grain filling. Dryness continued in cotton areas of Sao Paulo and corn areas of Parana, but extremely beneficial rain fell in the previously dry summer crop areas of Mato Grosso do Sul and Minas Gerais.

MEXICO... Satellite data indicate that light to moderate showers fell over northern and western portions of the Southern Plateau Corn Belt early in the week, followed by generally dry weather during the remainder of the period. Some rain fell in the northwestern mountains during the latter half of the week, but amounts appear to be light. Moisture also benefited winter vegetable planting along the west coast. Mostly dry weather favored cotton harvesting in the northeast.

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