

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

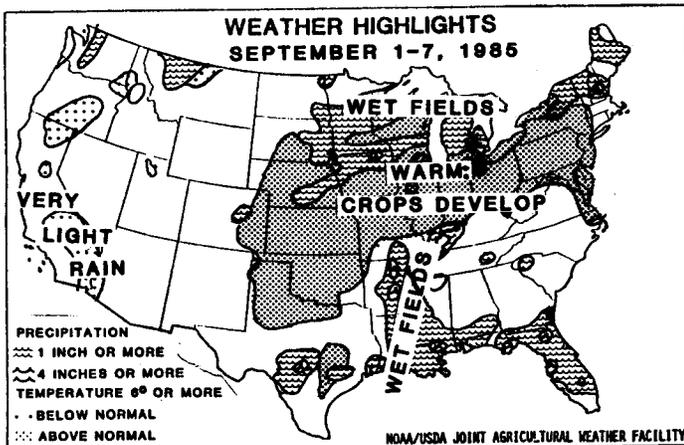
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National Weather Summary

September 1 to 7, 1985



HIGHLIGHTS: Hurricane Elena began moving north-westward from its stationary position in the northeastern Gulf of Mexico and made landfall at Biloxi, Mississippi. Wind, rain, and tornadoes lashed the gulf coast from Florida to Louisiana. The storm weakened rapidly as it moved inland but heavy showers reached from the Mississippi Delta through Arkansas to southern Illinois. Moderate to heavy thunderstorms covered most of southeastern Texas and from eastern Nebraska and North Dakota to New England. Lighter showers were scattered over all of the West, including the valleys of California where raisins were spread out to dry. Temperatures were unusually warm in all but the extreme northern Plains and across the Corn Belt to the mid-Atlantic States. Late-week very cold weather moved into the Northwest and snow fell in the northern Rockies and much of western Montana.

SUNDAY...Hurricane Elena continued lashing the upper gulf coast of Florida with gale winds, heavy rain, and tornadoes before beginning to move again; this time toward the West-Northwest. The winds, rain, and tornadoes spread westward into southeastern Louisiana. Elsewhere, showers fell over the Northwest and from the central Plateau to the northern Plains. The northern tier of States was unusually cool but southern areas were warming.

MONDAY...Hurricane Elena came ashore at Biloxi, Mississippi, spreading winds, heavy rain, thunderstorms, and tornadoes from southern Alabama to southeastern Louisiana. The storm weakened rapidly but heavy rain spread into northern Louisiana. Thundershowers covered all of the Southeast. Light showers developed in the Southwest and over the Plateau and Rockies. Heavier showers and thunderstorms reached from Nebraska to northern Wisconsin.

TUESDAY...Thunderstorms produced heavy rain from south central Louisiana to northeastern Arkansas

and lighter showers throughout the lower Mississippi Delta and Florida. Scattered thunderstorms roamed the southern Rockies and the central valleys of California. Heavier thunderstorms continued from the northern Plains to New England. Cool weather continued in the northern Rockies, but it was warmer elsewhere.

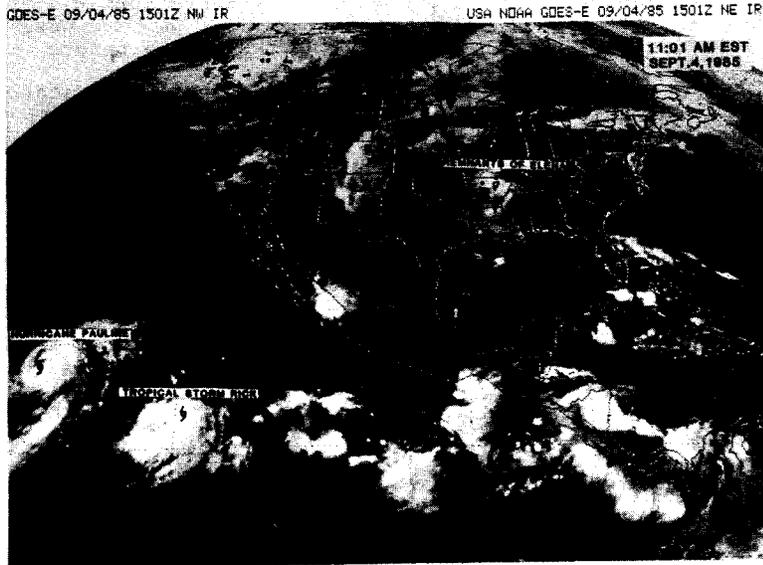
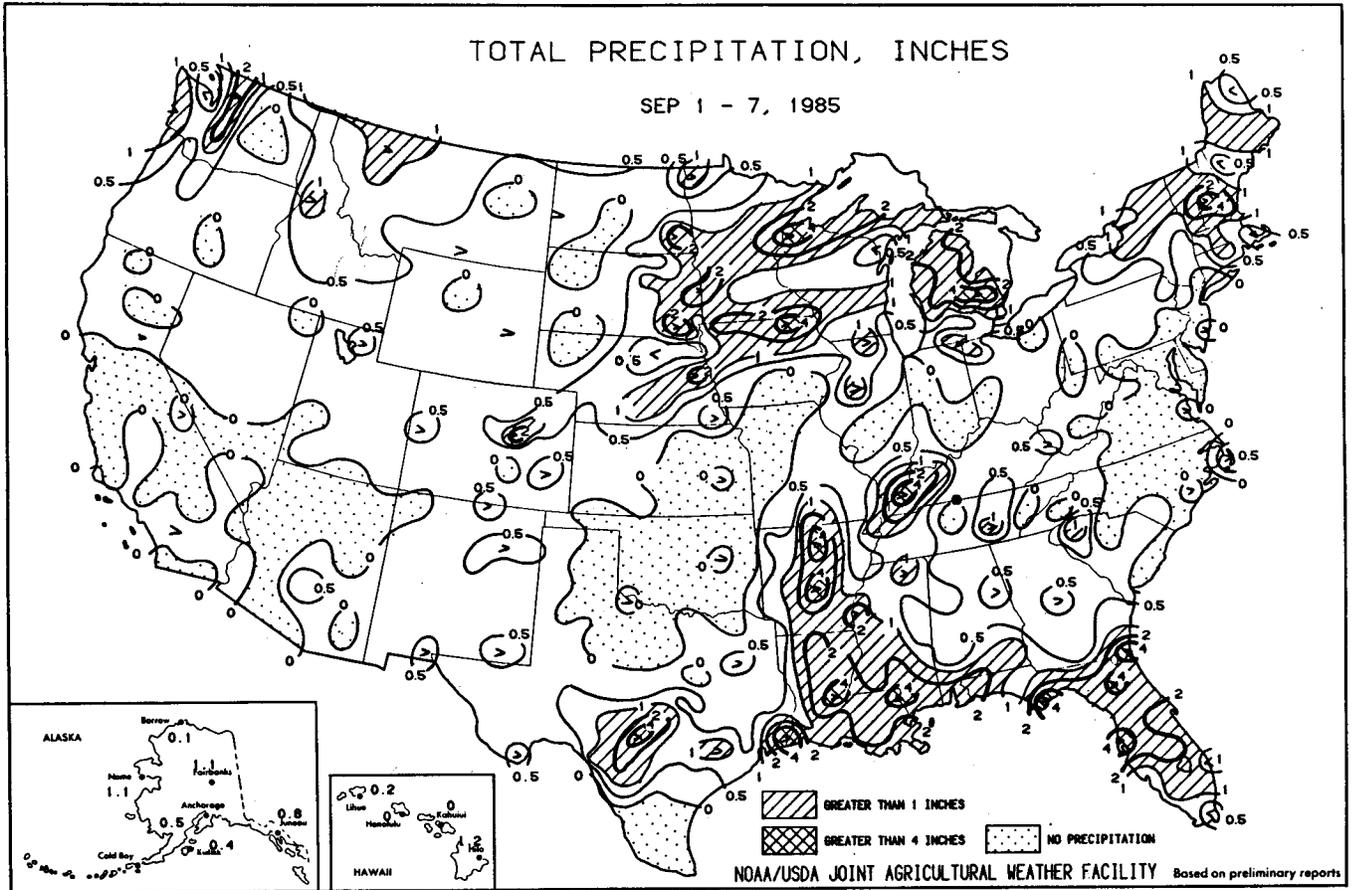
WEDNESDAY...Showers and thunderstorms were scattered over all the gulf coast. Isolated heavy showers fell from northern Louisiana to southern Missouri. More showers fell in the southern half of California, the central Plateau, and the southern Rockies. Heavy showers and thunderstorms reached from central Nebraska to southern Minnesota and Wisconsin and eastward through the Great Lakes. Cooler weather spread across parts of the northern Plains but most of the Plains and Corn Belt was quite warm.

THURSDAY...Showers and thunderstorms reached from central Texas across the gulf coast and through Florida. Heavier showers reached from Louisiana to Michigan and eastward to New England. Several thunderstorms spread across the northern Plains and showers covered the Northwest. Showers continued in California, threatening the raisin crop.

FRIDAY...Showers and thunderstorms were scattered from central Texas across the gulf coast, through the lower Appalachians, and from the eastern Great Lakes to southern New England. Showers covered the West. A cold front, moving through the Northwest, dropped temperatures sharply across the northern Rockies.

(Continued to back cover)

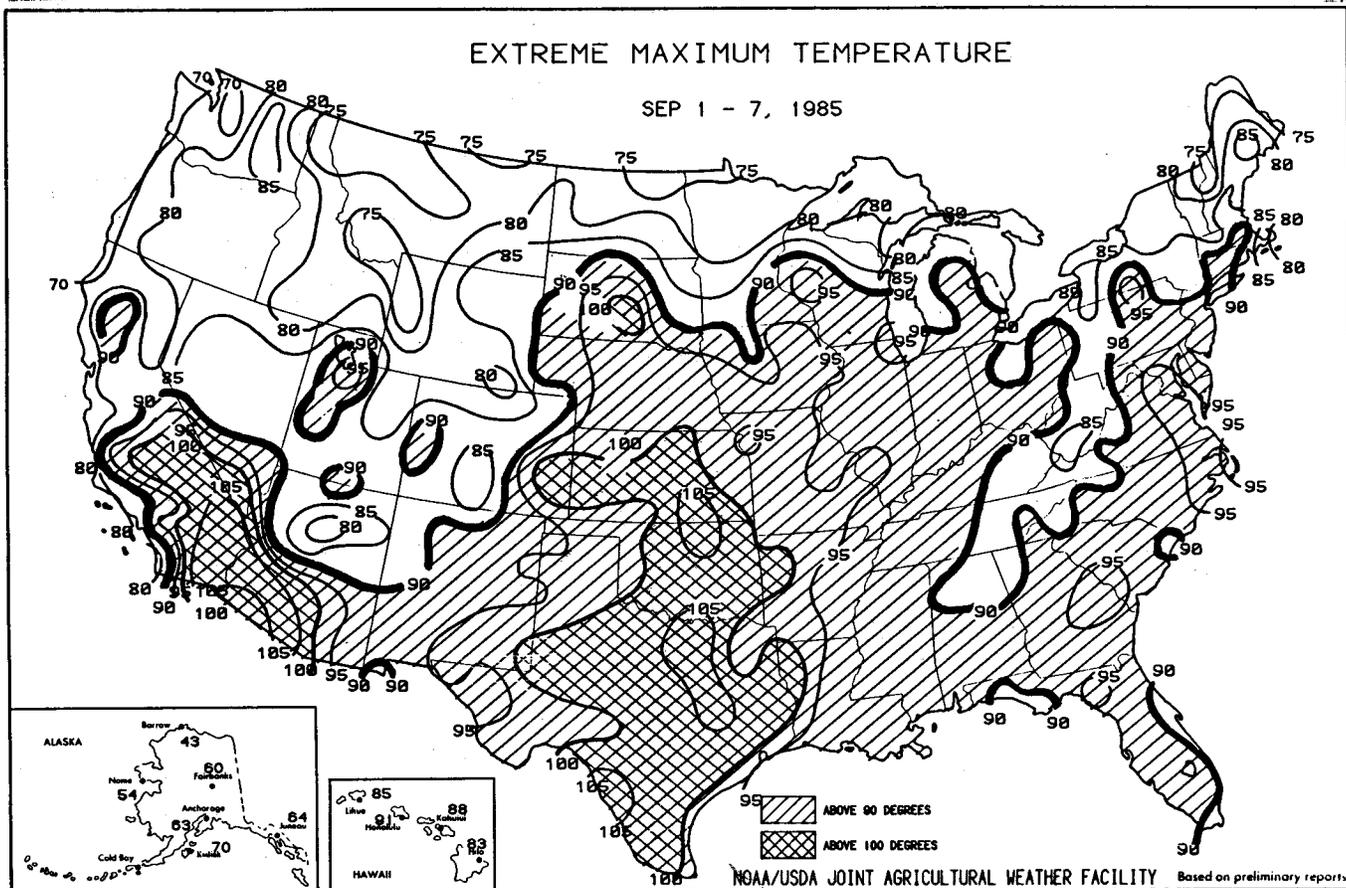
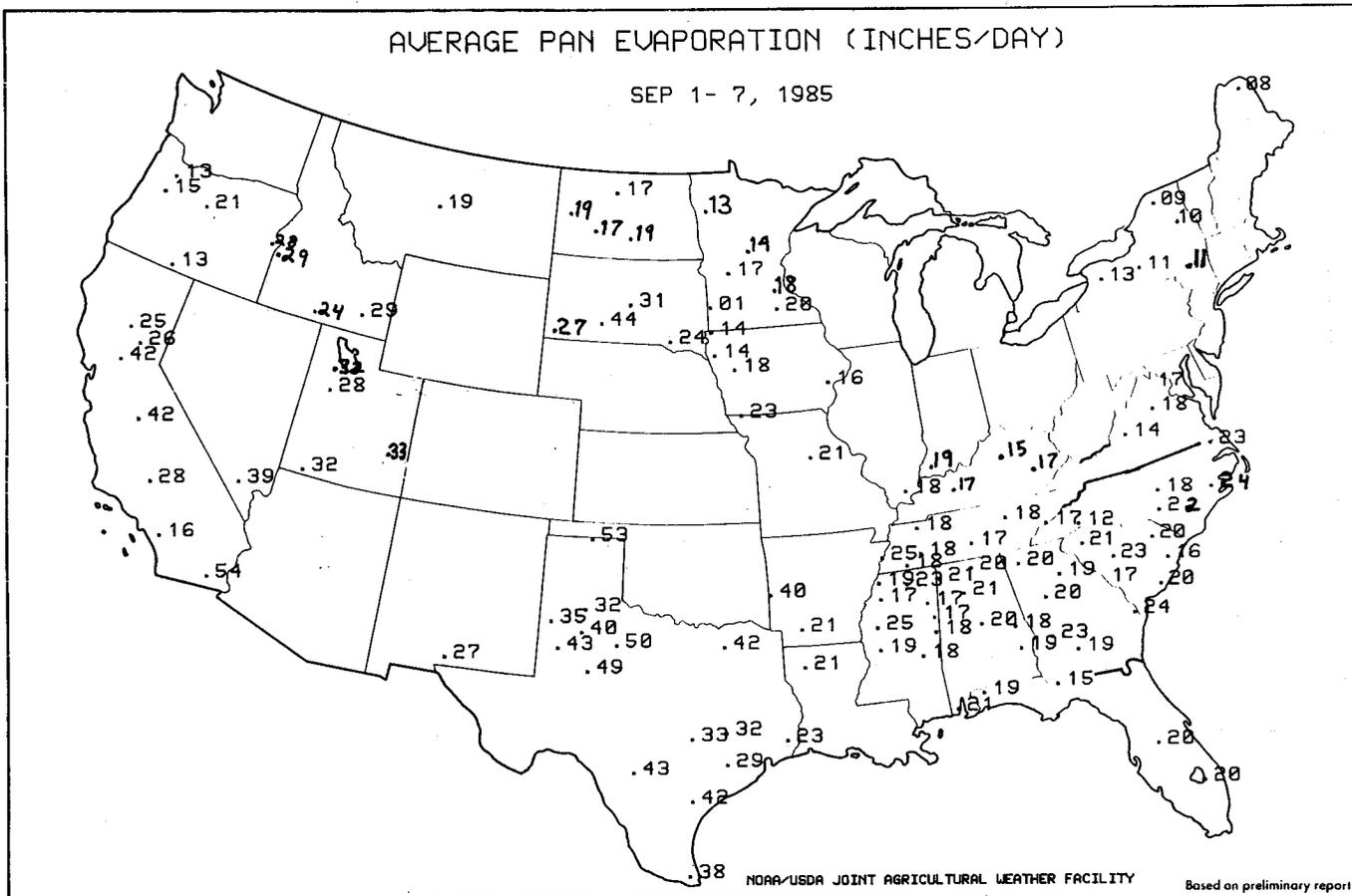
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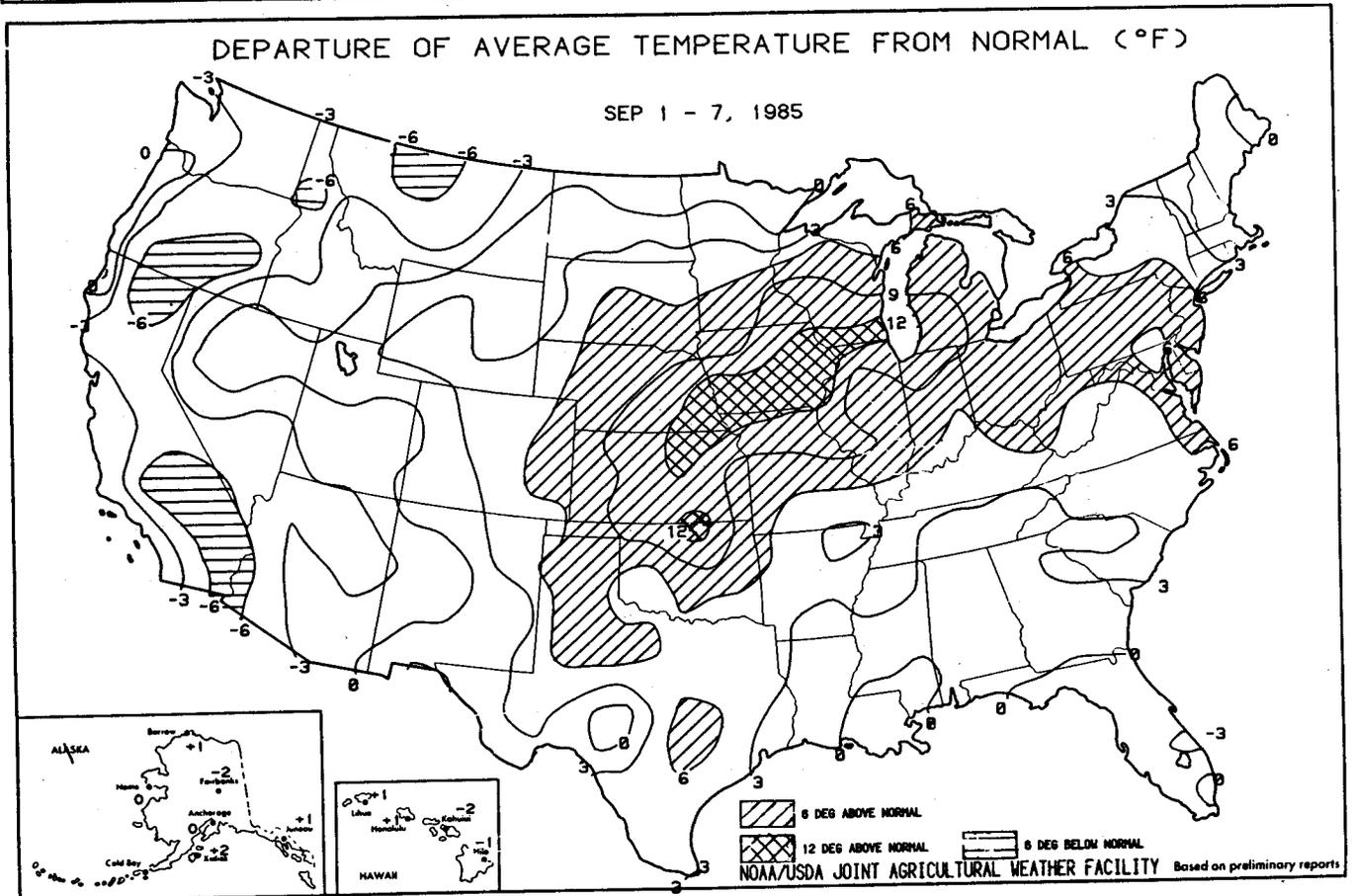
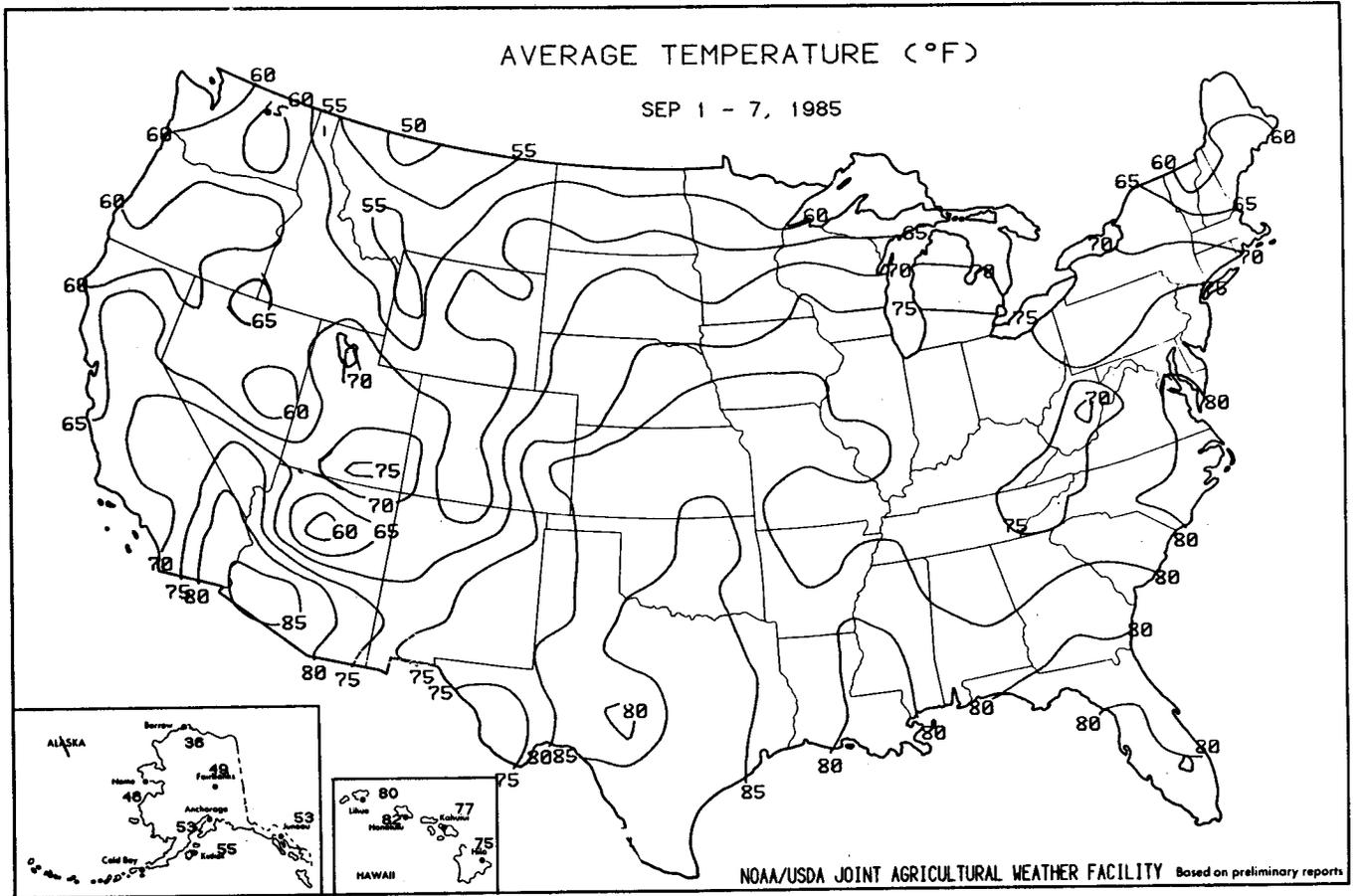


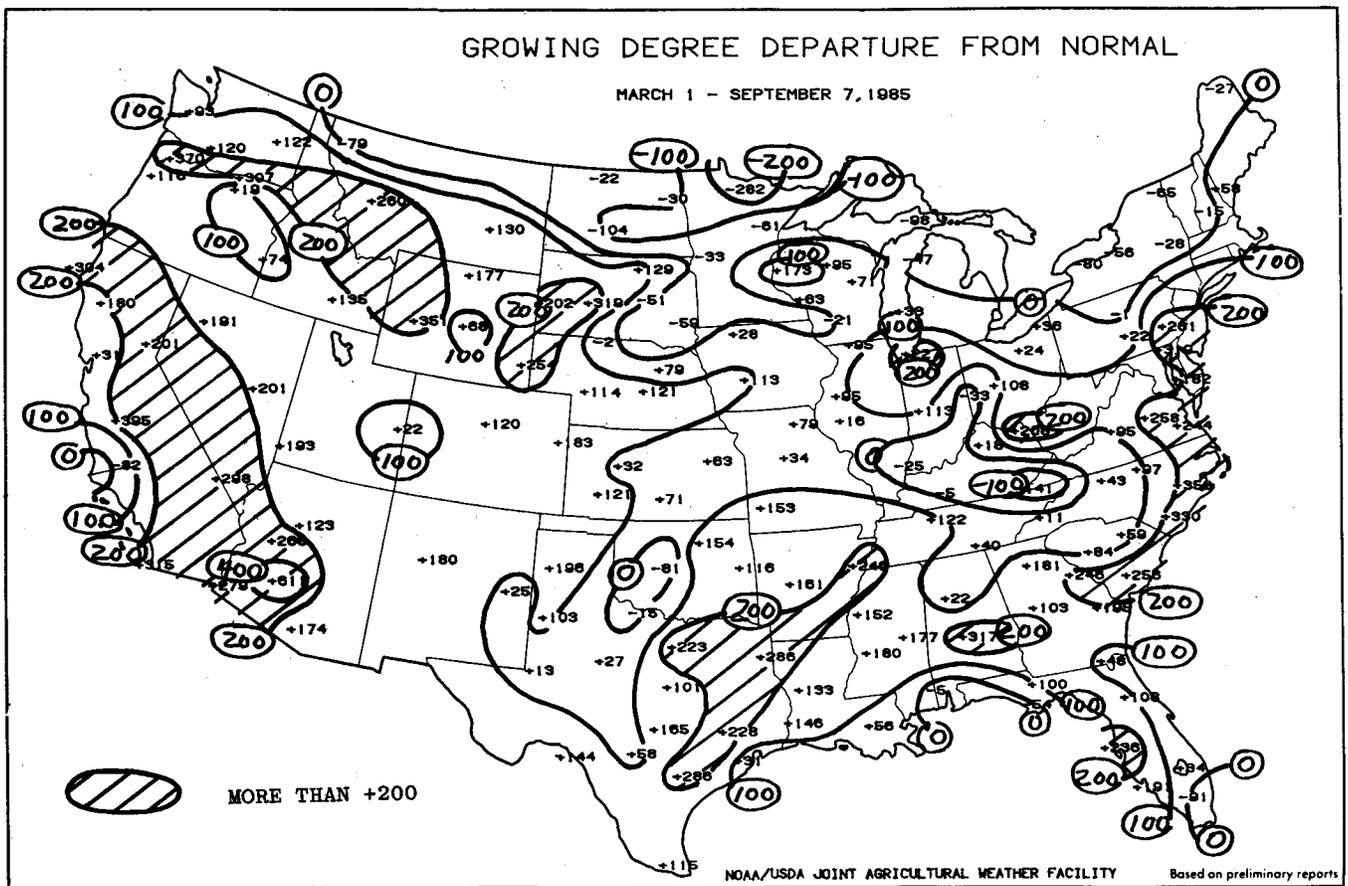
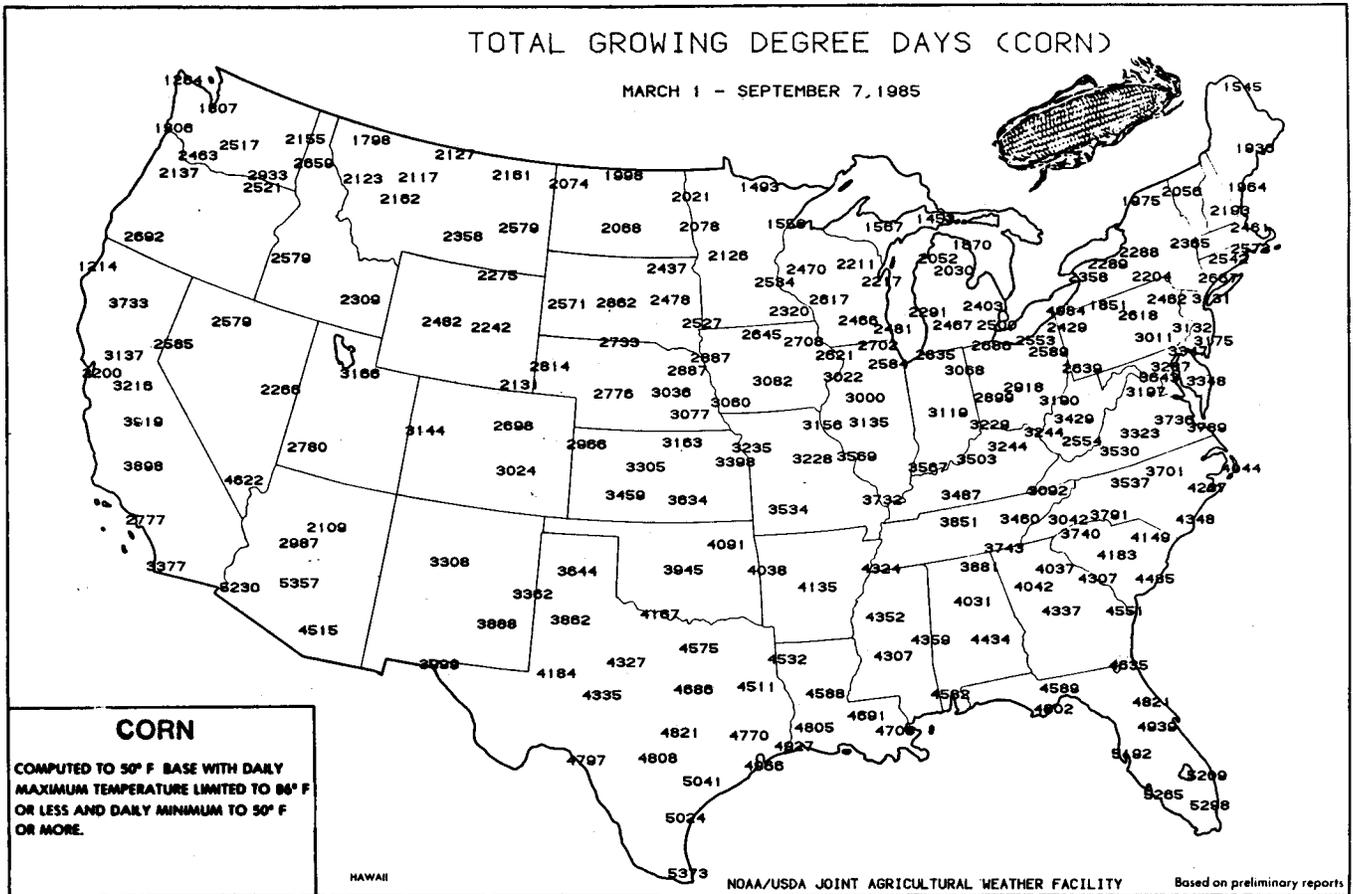
THE REMNANTS OF HURRICANE ELENA SPREADS SHOWERS AND THUNDERSTORMS FROM LOUISIANA TO SOUTHERN MISSOURI.

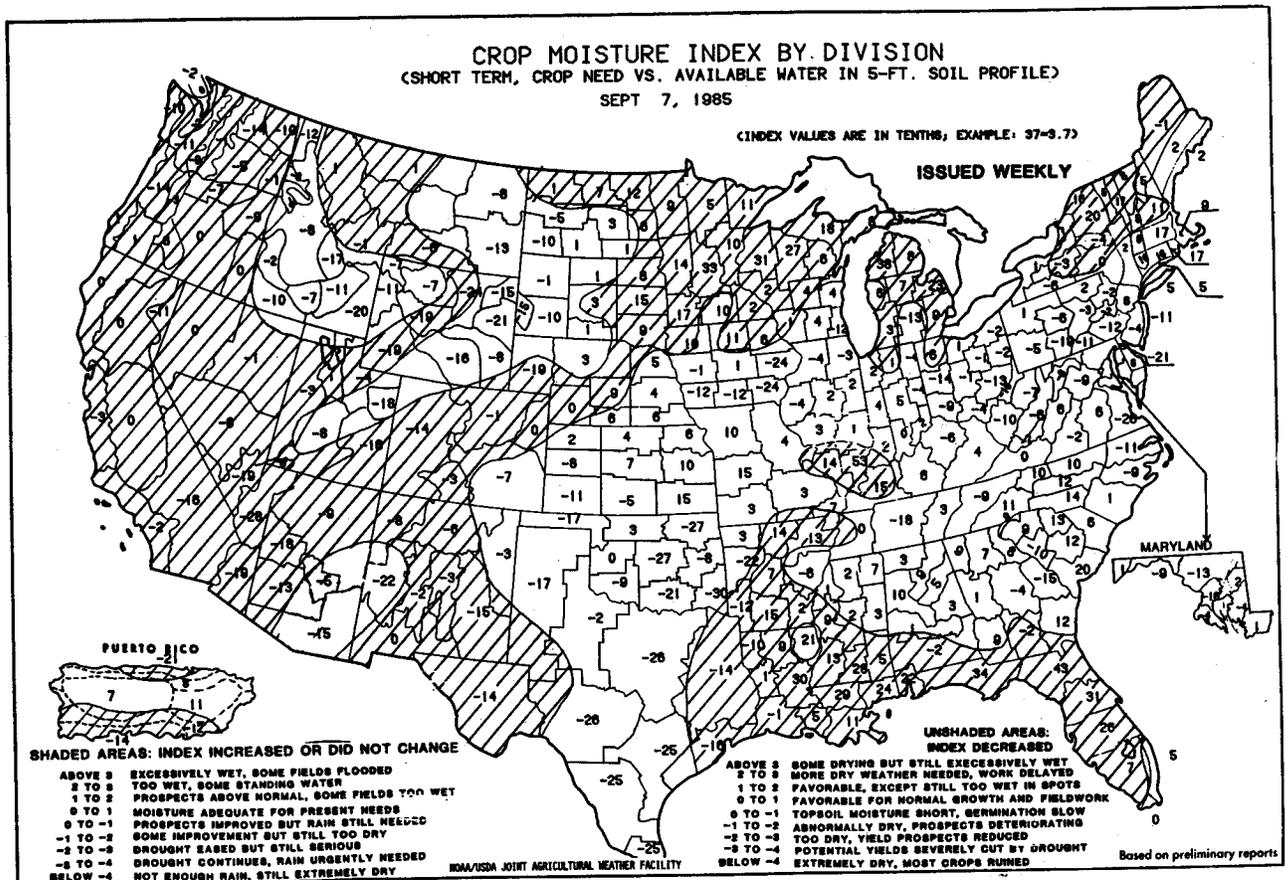
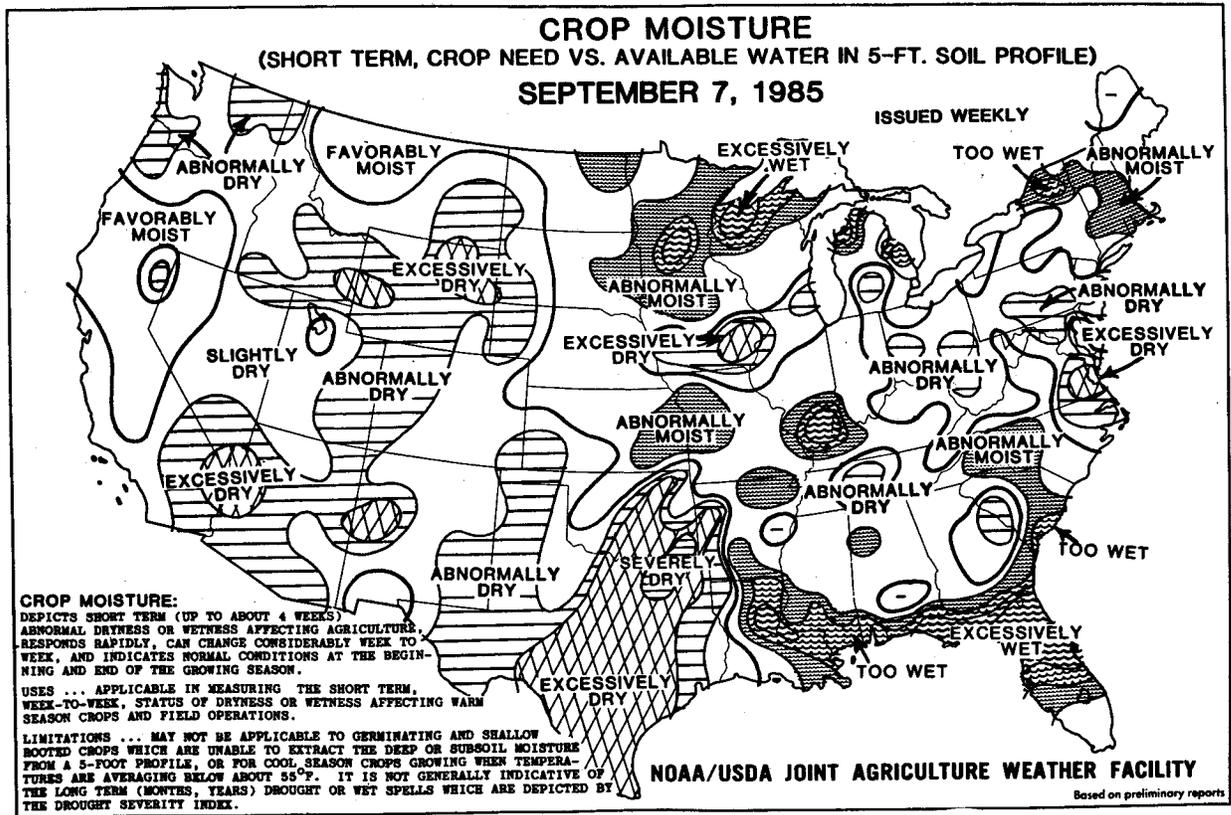
A COMPLEX FRONTAL SYSTEM PUSHING INTO THE NORTHERN PLAINS TRIGGERS SHOWERS AND THUNDERSTORMS FROM EASTERN MANITOBA, CANADA, INTO COLORADO.

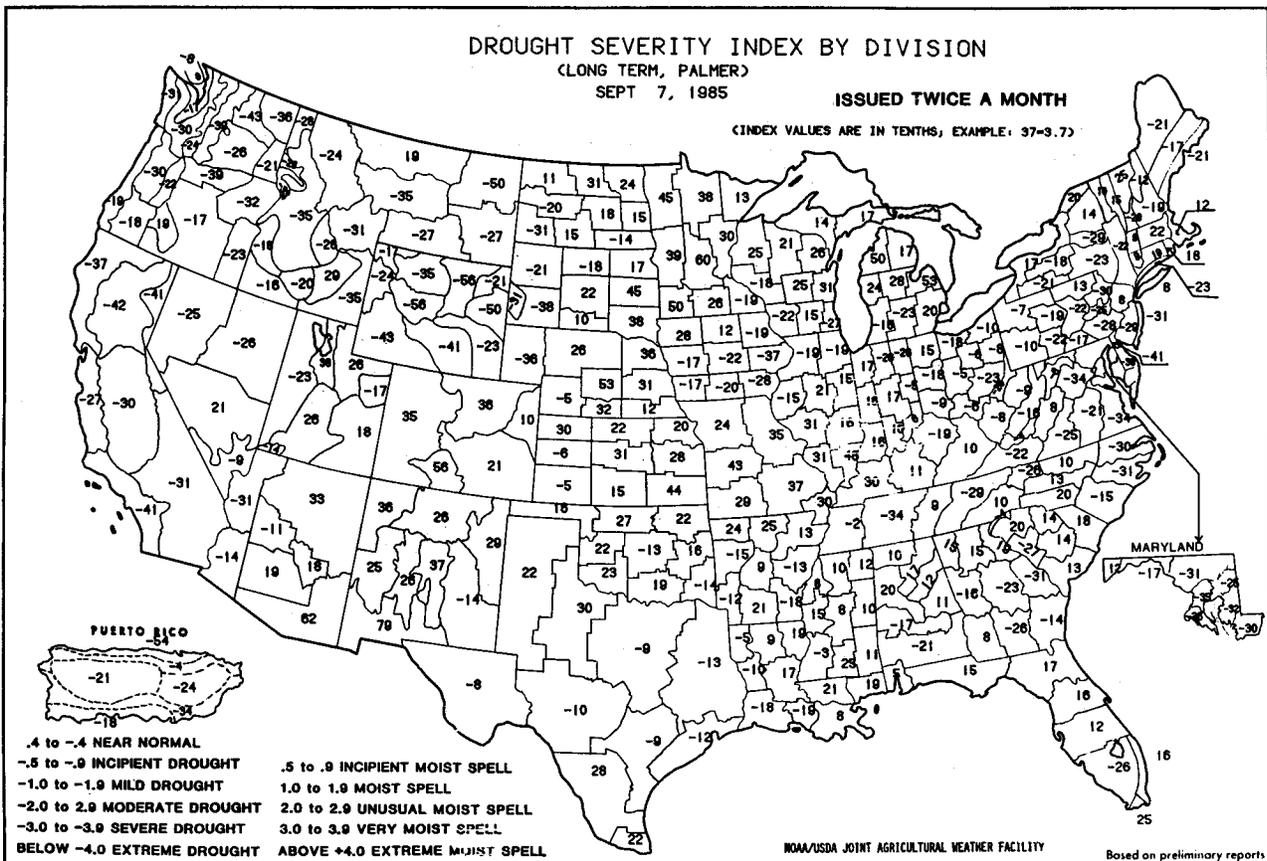
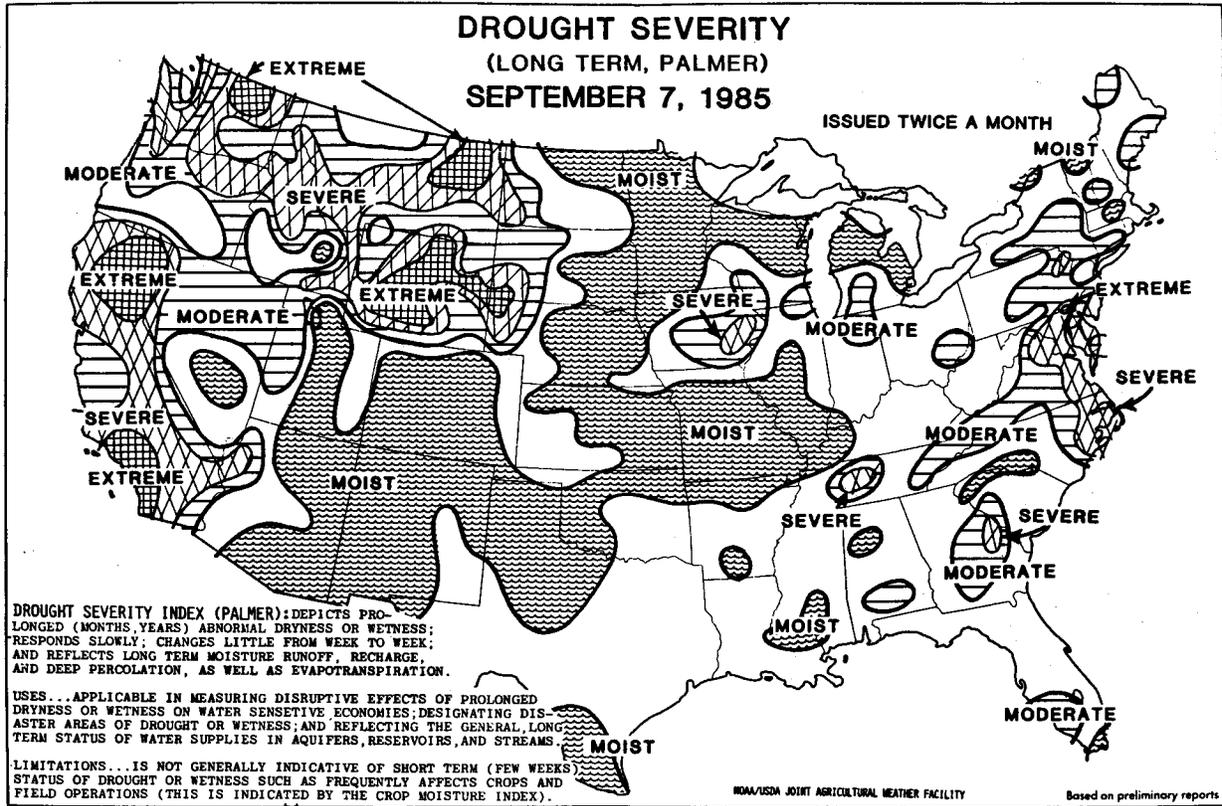
IN THE PACIFIC OCEAN, THE INTERTROPICAL CONVERGENCE ZONE IS VERY ACTIVE. HURRICANE PAULINE MOVES TO THE WEST-NORTHWEST, CONTAINING WINDS OF 65 TO 80 KNOTS. TROPICAL STORM RICK, MOVING WESTWARD, HAS WINDS OF 55 TO 70 KNOTS AND IS INTENSIFYING. AN EASTERLY WAVE AT 95 DEGREES LONGITUDE ON THE MEXICAN COAST IS DEVELOPING RAPIDLY.

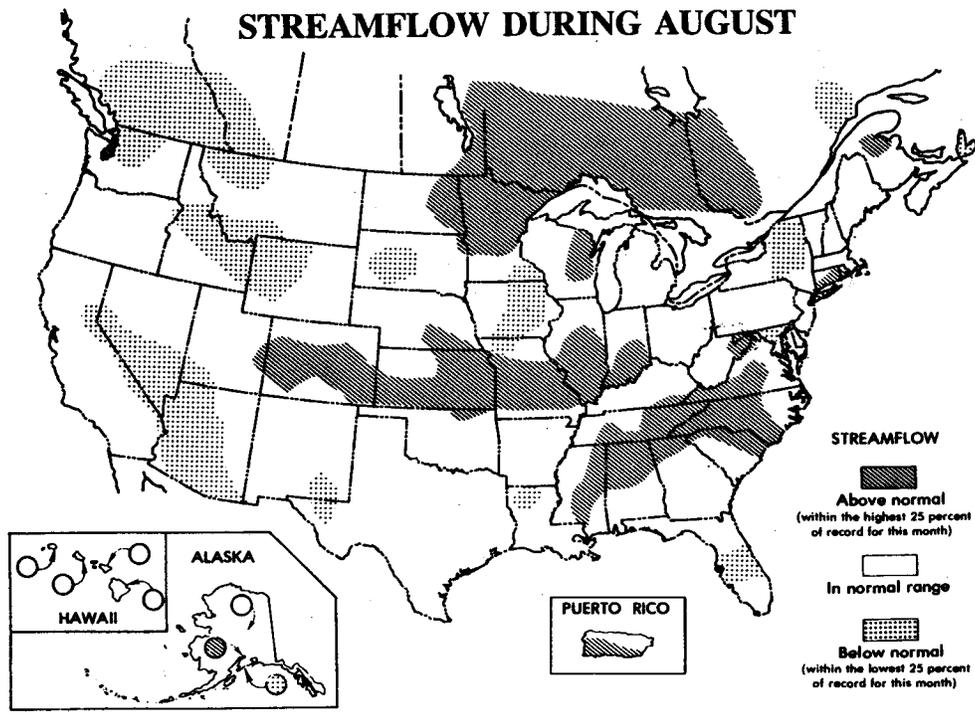
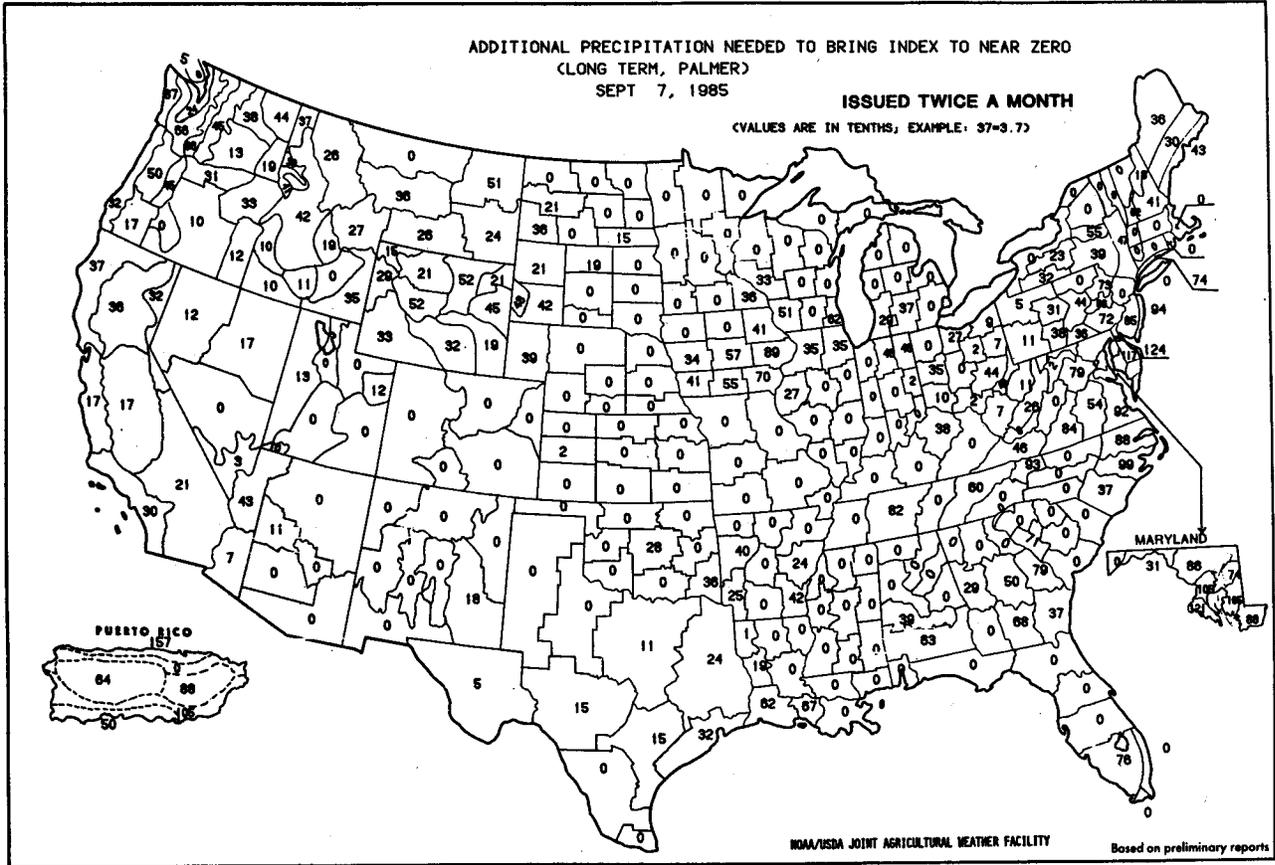












STREAMFLOW DURING AUGUST

Streamflow generally decreased seasonally in the Northeast, the area from the Rocky Mountains to the Pacific Coast, and also in Alaska, Montana, South Dakota, Minnesota, Iowa, Oklahoma, and Texas. Flows generally increased or were variable in the rest of the United States and southern Canada.

Below-normal streamflow persisted in parts of New York, Florida, Louisiana, Missouri, Iowa, Minnesota, South Dakota, Arizona, California, Nevada, Wyoming, Idaho, Montana, Alberta, British Columbia, and Washington. Monthly mean flows moved into the below-normal range in parts of Alaska, California, Nevada, Arizona, New Mexico, Texas, Iowa, Maryland, New York, Nova Scotia, and Quebec. In New York, both the monthly mean discharge of 387 cubic feet per second (cfs) and the daily mean flow of 309 cfs on August 24 of the Hudson River at Hadley were the lowest for August in 64 years of record. Monthly mean flows were also lowest of record for August in parts of Quebec and on the Columbia River at the Dalles, Oregon.

Flows remained in the above-normal range in parts of Alaska, Utah, Colorado, North Dakota, Minnesota, Manitoba, Ontario, New Brunswick, West Virginia, Maryland, Tennessee, Alabama, Missouri. Streamflow increased into the above-normal range in parts of Colorado, Nebraska, Kansas, Missouri, Illinois, Indiana, Minnesota, Wisconsin, Connecticut, Tennessee, Virginia, North Carolina, South Carolina, Georgia, Alabama, Mississippi, and Puerto Rico. In Kansas, both the monthly mean discharge of 3,510 cfs and the daily mean flow of 19,900 cfs on August 7 were the highest

of record for August in 59 years of record (see graph and table on page 3). Monthly mean flows were also highest of record for August in part of Alabama and on the Red River of the North at Grand Forks, North Dakota (see table on page 3).

Tornados and hail storms accompanied heavy rains in the area of Cheyenne, Wyoming on August 2 as severe floods affected the city. Nine persons were killed and 30 were reported missing. Damage estimates were not available.

Contents of about 46 percent of reporting reservoirs declined during August but only about 30 percent recorded below-average contents, most of them located in the Northeast, Texas, Wyoming, Montana, and California. The New York City reservoir system was still well below normal August levels and water-use restrictions were still in effect in New York City and parts of the Delaware River basin.

The combined flow of the three largest Rivers in the lower 48 states—Mississippi, St. Lawrence, and Columbia Rivers—was 729,668 cfs during August, 15 percent below last month, and 2 percent below the long-term average. These three large river systems account for runoff from more than half the conterminous United States and provide a useful check on the status of the Nation's surface-water resources.

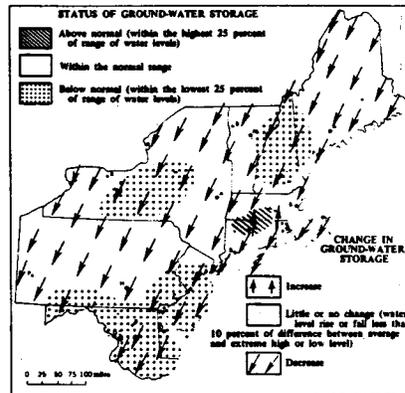
The hydrographs on page 3 show streamflow at four sites scattered across the Nation, with three of the four showing flows currently in the normal range. They are representative of conditions in the Nation since about 84 percent of the index stations have flows at or above the normal range for August.

GROUND-WATER CONDITIONS DURING AUGUST 1985

Ground-water levels continued to decline seasonally in nearly the entire Northeast region (see map). Levels rose in northeastern Connecticut and adjacent Massachusetts, and were above average for end of August in much of the same area. Water levels remained below average in Delaware, Maryland, most of New Jersey, southeastern Pennsylvania, central New York, and also in most of New Hampshire and parts of adjacent States.

In the Southeast, ground-water levels declined in North Carolina and Mississippi; trends were mixed in other southeastern States. Water levels were above average in Kentucky, and below average in Arkansas and Florida. Levels were mixed with respect to average in other southeastern States. A new high ground-water level for August was reached in Kentucky. A new low ground-water level for August was recorded in the key well in Memphis in western Tennessee, and several new August low levels were reported in Lee County in Mississippi.

In the central and western Great Lakes States, ground-water level trends were mixed. Water levels were normal or below average in Ohio, and mixed with respect to average in Minnesota, Michigan, and Iowa.



Map shows ground-water storage near end of August and change in ground-water storage from end of July to end of August.

MONTH-END GROUND-WATER LEVELS IN KEY WELLS

Unshaded area indicates range between highest and lowest record for the month. Dashed line indicates average of monthly levels in previous years. Heavy line indicates level for current period.

Weather Data for the Week Ending September 7, 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	TEMPERATURE		PRECIPITATION	
																		°F	°F	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	88	70	88	67	79	1	.1	-.9	.1	.1	12	37.1	93	99	62	0	0	2	0		
MOBILE	88	72	91	70	80	-1	3.4	1.8	2.4	3.4	207	43.9	91	90	54	3	4	2	0		
MONTGOMERY	90	70	92	68	80	1	.5	-.6	.4	.5	48	33.3	94	96	53	5	0	0	0		
AK ANCHORAGE	60	45	63	38	53	0	.5	-.1	.5	.5	88	10.4	111	93	55	0	0	1	0		
BARROW	37	34	43	30	36	1	.1	-.1	.1	.1	57	2.4	73	100	95	0	3	2	0		
FAIRBANKS	56	41	60	35	49	-2	1.1	-.8	.6	1.1	347	8.2	109	96	62	0	0	5	1		
JUNEAU	60	46	64	38	53	1	.8	-.6	.3	.8	58	21.7	74	95	53	0	0	4	0		
KODIAK	63	46	70	42	55	2	.4	-.1	.3	.4	24	46.6	103	95	62	0	0	3	0		
NOME	51	42	54	37	46	0	1.1	-.4	.4	1.1	167	11.4	112	96	75	0	0	5	0		
AZ PHOENIX	96	74	103	68	85	-2	.9	-.7	.9	.9	511	3.9	83	52	21	7	0	1	0		
PRESCOTT	77	55	83	47	66	-2	0	-.5	0	0	0	9.6	71	83	36	0	0	0	0		
TUCSON	93	67	100	62	80	-2	T	-.3	T	T	9	8.6	112	68	23	7	1	0			
YUMA	94	73	104	67	84	-7	.2	-.2	.2	.2	343	.6	38	61	25	4	0	1			
AR FORT SMITH	96	72	103	69	84	7	T	-.7	T	T	1	30.5	110	91	29	6	0	0			
LITTLE ROCK	88	72	93	69	80	3	4.1	3.3	2.7	4.1	487	30.8	95	94	64	4	0	2			
CA BAKERSFIELD	83	62	97	60	73	-7	T	0	T	T	0	2.0	50	68	36	1	0	0			
EUREKA	64	53	68	49	59	2	.4	.2	.3	.4	250	12.5	55	96	78	0	0	1			
FRESNO	83	64	95	60	73	-3	.4	.4	.4	.4	3	3.8	54	71	39	1	0	0			
LOS ANGELES	74	64	82	61	69	-1	.3	.2	.2	.3	371	3.8	44	76	51	0	0	3			
RED BLUFF	84	62	94	56	73	-5	T	-.1	T	T	0	5.5	41	70	32	1	0	0			
SACRAMENTO	81	58	-89	54	70	-3	0	0	0	0	0	4.4	40	92	43	0	0	0			
SAN DIEGO	75	66	78	61	71	-1	0	0	0	0	0	2.4	38	81	56	0	0	0			
SAN FRANCISCO	72	58	79	53	65	1	T	0	T	T	0	6.9	55	90	57	0	0	0			
CO DENVER	84	57	87	53	71	4	.4	.1	.4	.4	129	11.8	98	71	26	0	0	0			
GRAND JUNCTION	82	60	91	54	71	4	.5	.3	.2	.5	238	6.9	128	75	24	1	0	5			
PUEBLO	90	58	95	53	74	4	T	-.3	T	T	0	10.9	125	72	21	3	0	0			
CT BRIDGEPORT	81	66	90	54	74	4	0	-.8	T	T	0	25.9	92	86	57	1	0	0			
HARTFORD	82	59	91	49	71	4	.9	-.1	.7	.9	87	24.3	82	-91	54	1	0	1			
DC WASHINGTON	92	71	96	61	81	7	0	-.9	0	0	0	20.2	73	91	46	5	0	0			
FL APALACHICOLA	85	73	89	70	79	-2	4.0	2.1	3.4	4.0	216	45.3	117	96	73	0	0	2			
DAYTONA BEACH	85	73	87	71	79	-2	2.8	1.2	2.4	2.8	176	31.0	91	98	73	0	0	3			
JACKSONVILLE	88	71	91	70	80	0	6.4	4.6	6.4	6.4	352	34.0	86	95	61	5	0	1			
KEY WEST	89	81	91	78	85	2	.2	-.3	.2	.2	14	28.0	113	86	62	2	0	2			
MIAMI	89	75	90	73	82	-1	1.1	-.7	1.1	1.1	62	38.8	98	93	61	1	0	3			
ORLANDO	89	73	93	72	81	-2	1.2	-.3	.7	1.2	79	36.0	97	97	62	4	0	1			
TALLAHASSEE	88	72	91	69	80	0	1.2	-.5	.6	1.2	71	41.1	84	99	64	5	0	4			
TAMPA	89	73	92	71	81	-1	6.5	4.8	4.4	6.5	386	35.2	98	97	59	6	0	2			
WEST PALM BEACH	88	76	89	73	82	0	1.0	-1.0	.4	1.0	49	34.5	89	91	65	0	0	3			
GA ATLANTA	87	70	90	68	79	3	.1	-.7	.1	.1	12	35.1	98	86	52	1	0	2			
AUGUSTA	93	69	96	68	81	4	.4	-.6	.4	.4	38	22.6	68	91	46	6	0	1			
MACON	90	70	94	68	80	1	.9	-.1	.8	.9	108	24.9	73	98	53	4	0	2			
SAVANNAH	90	62	94	70	81	2	.7	-.7	.4	.7	47	29.2	75	95	53	5	0	0			
HI HILO	82	69	83	68	75	-1	1.2	-.5	.8	1.2	70	87.5	102	92	68	0	0	4			
HONOLULU	90	73	91	68	82	1	T	-.1	T	T	0	8.5	59	77	43	5	0	0			
KAHULUI	86	68	88	64	77	-2	0	-.1	0	0	0	6.4	47	83	51	0	0	0			
LIHUE	85	76	85	72	80	1	.2	-.2	.1	.2	43	17.2	64	72	57	0	0	3			
ID BOISE	76	52	82	41	64	-3	.4	.3	.3	.4	317	5.9	75	82	37	0	0	0			
LEWISTON	72	53	82	47	62	-5	.2	0	.2	.2	90	6.6	76	80	34	0	0	3			
POCATELLO	76	51	81	43	64	0	.3	.1	.2	.3	193	6.5	86	79	29	0	0	0			
IL CHICAGO	88	70	99	62	79	11	.2	-.7	.2	.2	18	23.7	97	91	59	3	0	2			
MOLINE	90	71	97	66	81	12	.1	-.8	.1	.1	6	22.4	81	91	55	3	0	1			
PEORIA	89	62	94	5	75	6	1.3	.5	1.3	1.3	154	27.2	106	97	61	3	1	2			
QUINCY	88	72	91	70	80	9	T	-1.0	T	T	1	21.9	80	98	64	5	0	1			
ROCKFORD	86	68	93	59	77	10	1.2	.3	.9	1.2	134	23.2	87	93	62	4	0	2			
SPRINGFIELD	89	73	94	71	81	10	T	-.7	T	T	0	25.8	103	91	58	4	0	0			
IN EVANSVILLE	89	69	93	60	79	6	.9	-.3	.9	.9	141	29.4	92	83	52	4	0	2			
FORT WAYNE	85	67	91	54	76	8	.2	-.5	.2	.2	23	23.0	97	94	64	1	0	1			
INDIANAPOLIS	85	68	90	59	76	6	0	-.7	0	0	0	30.7	108	97	65	1	0	0			
SOUTH BEND	85	71	92	62	78	10	.3	-.5	.3	.3	36	25.0	93	87	65	1	0	2			
IA DES MOINES	91	71	95	67	81	12	T	-.9	T	T	0	16.4	69	93	52	4	0	0			
SIoux CITY	87	67	95	64	77	8	.5	-.2	.4	.5	70	16.6	83	96	58	3	0	3			
WATERLOO	87	67	95	58	77	12	1.2	.4	.9	1.2	148	19.9	79	93	59	2	0	1			
KS CONCORDIA	96	72	100	64	84	13	T	-.8	T	T	0	19.4	91	79	33	7	0	0			
DODGE CITY	98	68	100	67	83	10	.1	-.4	.1	.1	29	15.3	92	66	19	7	0	1			
GOODLAND	93	58	96	49	76	7	.1	-.3	0	.1	16	18.3	138	88	22	6	0	0			
TOPEKA	92	70	96	67	81	9	0	-.8	0	0	0	28.5	114	90	53	5	0	0			
WICHITA	101	72	105	67	86	12	0	-.8	0	0	0	19.9	95	75	27	7	0	0			
KY BOWLING GREEN	87	67	91	60	77	3	.1	-.7	.1	.1	13	27.3	78	96	52	3	0	1			
LXINGTON	86	67	90	57	77	5	.3	-.5	.3	.3	40	25.8	76	95	56	1	0	0			
LOUISVILLE	88	69	92	61	79	5	0	-.8	0	0	0	26.6	85	97	58	2	0	0			
LA ALEXANDRIA	89	73	93	71	81	1	3.6	3.0	2.9	3.6	636	39.7	102	89	60	4	0	3			
BATON ROUGE	88	73	91	70	80	0	2.2	1.1	1.3	2.2	204	41.0	100	95	59	3	0	2			
LAKE CHARLES	90	74	95	71	82	2	.6	-.7	.5	.6	48	31.9	87	95	63	4	0	4			
NEW ORLEANS	86	72	90	69	79	-2	2.7	1.2	1.5	2.7	182	44.9	103	85	58	1	0	3			

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending September 7, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS				
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Sept. 1	PCT. NORMAL SINCE Sept. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	95	73	102	71	84	4	.4	-.4	.4	.4	51	29.8	96	93	46	6	0	1	0
ME CARIBOU	65	50	73	42	58	0	.5	-.4	.3	.5	53	20.1	82	96	67	0	0	3	0
PORTLAND	71	56	85	51	64	1	.5	-.2	.4	.5	72	18.7	67	91	64	0	0	3	0
MD BALTIMORE	89	68	94	58	78	6	0	-.9	0	0	0	22.5	76	89	51	4	0	0	0
SALISBURY	88	69	92	60	78	6	0	-1.1	0	0	0	23.9	75	98	54	4	0	0	0
MA BOSTON	75	61	90	54	68	0	1.4	-.6	1.2	1.4	165	25.7	88	96	69	1	0	3	1
CHATHAM	71	58	80	51	64	-1	.6	-.3	.5	.6	68	32.8	106	117	99	0	0	4	1
MI ALPENA	75	58	87	51	67	7	1.9	1.1	.9	1.9	246	23.9	117	99	76	0	0	4	1
DETROIT	84	67	91	54	75	8	.8	-.2	.8	.8	139	27.4	123	84	56	1	0	2	1
FLINT	83	65	91	52	74	10	4.0	3.3	1.7	4.0	622	28.2	134	98	65	1	0	5	3
GRAND RAPIDS	82	68	89	55	75	9	1.8	1.0	1.7	1.8	234	26.4	112	95	67	0	0	2	1
HOUGHTON LAKE	79	62	92	49	70	9	2.2	1.5	1.8	2.2	309	22.4	115	99	68	1	0	2	1
LANSING	83	68	89	56	75	10	T	-.6	T	T	2	23.1	110	95	64	0	0	1	0
MARQUETTE	73	53	83	40	63	6	2.7	1.8	1.4	2.7	304	33.4	131	99	61	0	0	3	3
MUSKOGON	79	69	85	59	74	9	.9	-.2	.9	.9	133	25.3	120	89	69	0	0	2	1
SAULT STE. MARIE	73	55	78	49	64	6	1.7	.7	1.4	1.7	180	27.7	127	99	72	0	0	3	1
MN ALEXANDRIA	75	57	79	53	66	4	1.3	.6	1.1	1.3	192	18.5	96	97	63	0	0	2	1
DULUTH	69	44	80	3	56	-1	2.7	1.9	1.8	2.7	321	23.8	108	99	64	0	1	3	2
INT'L FALLS	68	41	77	16	55	-2	4	-.4	.3	4	50	23.6	131	97	55	0	1	4	0
MINNEAPOLIS	84	63	93	56	73	8	.7	0	.5	.7	100	21.4	104	94	57	2	0	4	1
ROCHESTER	82	63	90	55	73	10	1.2	.4	.9	1.2	144	17.3	80	98	68	2	0	4	1
MS GREENWOOD	88	73	92	71	81	2	.8	-.1	.6	.8	107	23.2	62	100	70	3	0	3	1
JACKSON	89	70	93	67	80	0	1.3	-.5	1.0	1.3	158	33.5	88	98	57	4	0	4	1
MERIDIAN	89	70	93	67	79	1	T	-.8	T	T	4	34.2	88	97	57	4	0	1	0
MO CAPE GIRARDEAU	88	72	92	68	80	-1	1.0	-.1	1.0	1.0	110	35.5	112	94	60	3	0	1	1
COLUMBIA	89	71	96	70	80	8	T	-.7	T	T	5	37.2	144	98	58	4	0	1	0
KANSAS CITY	91	72	93	68	81	9	0	-1.0	0	0	0	30.8	119	87	53	5	0	0	0
SAINT LOUIS	91	74	94	72	83	9	T	-.6	T	T	0	34.7	140	92	58	5	0	0	0
SPRINGFIELD	88	70	97	69	79	6	.1	-.9	.1	.1	5	34.6	126	93	55	3	0	1	0
MT BILLINGS	71	50	79	40	61	-3	.3	.1	.2	.3	118	8.8	78	85	41	0	0	3	0
GLASGOW	67	48	78	41	58	-4	.9	0	.1	.3	107	10.4	107	85	46	0	0	4	0
GREAT FALLS	65	43	74	34	54	-7	.9	-.6	.7	.9	321	12.0	99	89	44	0	0	5	1
HAVRE	66	44	78	36	55	-6	.8	-.5	.7	.8	300	6.9	77	86	44	0	0	3	1
HELENA	67	46	76	34	56	-3	.5	-.3	.3	.5	241	5.7	63	74	37	0	0	2	0
KALISPELL	63	42	73	36	53	-5	1.0	-.7	.8	1.0	323	8.4	74	87	46	0	0	3	1
MILES CITY	77	55	83	45	66	1	T	-.3	T	T	7	9.1	83	81	34	0	0	1	0
MISSOULA	67	48	75	36	57	-3	1.0	-.7	.7	1.0	350	8.2	85	88	41	0	0	4	1
NE GRAND ISLAND	90	67	99	63	78	10	1.4	-.8	1.3	1.4	227	21.6	114	95	49	3	0	4	1
LINCOLN	93	71	98	70	82	12	.3	-.5	.3	.3	36	24.4	113	92	47	5	0	3	0
NORFOLK	89	66	96	64	77	10	.8	-.3	.4	.8	148	19.7	101	97	49	3	0	3	0
NORTH PLATTE	90	59	99	52	75	8	.7	-.3	.6	.7	164	13.8	85	85	30	5	0	4	1
OMAHA	90	71	96	68	81	12	.1	-.8	.1	.1	9	16.3	69	88	60	4	0	3	0
SCOTTSBLUFF	87	55	94	49	71	6	.1	-.1	.1	.1	72	6.1	51	91	26	4	0	1	0
VALENTINE	88	58	96	51	73	7	.5	-.1	.5	.5	114	11.0	76	85	32	3	0	1	0
NV ELY	75	41	88	35	58	-2	.3	-.2	.2	.3	207	4.8	74	81	25	0	0	2	0
LAS VEGAS	89	68	103	59	79	-5	T	-.1	T	T	33	.8	27	44	19	3	0	1	0
RENO	76	52	81	48	64	1	.3	-.2	.2	.3	414	2.4	47	81	27	0	0	4	0
WINNEMUCCA	77	53	85	46	65	2	.1	.1	.1	.1	163	3.1	57	72	28	0	0	4	0
NH CONCORD	75	55	87	45	65	2	2.2	1.5	1.4	2.2	291	19.6	82	99	62	0	0	3	2
NJ ATLANTIC CITY	87	67	94	58	77	7	T	-.8	T	T	1	22.0	75	94	56	3	0	1	0
NM ALBUQUERQUE	85	58	93	54	71	-1	.2	-.1	.1	.2	74	6.9	121	70	24	1	0	2	0
CLOVIS	88	61	91	54	74	2	.1	-.4	.1	.1	29	20.0	156	81	31	3	0	1	0
ROSWELL	92	65	96	59	78	3	.2	-.3	.1	.2	32	9.6	139	75	27	5	0	2	0
NY ALBANY	80	62	86	51	71	6	.4	-.3	.2	.4	57	18.2	75	99	60	0	0	3	0
BINGHAMTON	79	61	86	49	70	6	.1	-.7	.1	.1	9	19.6	77	98	61	0	0	2	0
BUFFALO	81	64	85	49	72	7	.2	-.7	.1	.2	22	26.6	106	95	51	0	0	3	0
NEW YORK	86	71	93	58	79	7	T	-.9	T	T	0	23.9	81	86	14	3	0	0	0
ROCHESTER	83	62	88	43	72	7	.6	-.1	.6	.6	86	17.3	80	98	59	0	0	1	1
SYRACUSE	81	62	88	47	72	6	1.4	.6	.9	1.4	174	19.6	73	99	61	0	0	4	1
NC ASHEVILLE	84	61	86	58	72	2	T	-1.0	T	T	0	25.9	75	100	54	0	0	0	0
CHARLOTTE	88	68	91	65	78	3	0	-.9	0	0	0	33.9	108	92	52	3	0	0	0
GREENSBORO	87	66	90	61	77	3	0	-.9	0	0	0	25.5	83	94	52	1	0	0	0
HATTERAS	87	74	90	66	80	4	.6	-.9	.6	.6	39	31.7	85	94	62	1	0	1	1
NEW BERN	92	71	96	67	82	5	0	-1.5	0	0	0	29.8	77	97	47	5	0	0	0
RALEIGH	88	67	91	63	78	3	0	-.9	0	0	0	27.7	91	88	49	4	0	0	0
WILMINGTON	91	72	94	69	82	4	T	-1.5	T	T	0	30.7	78	96	54	5	0	0	0
ND BISMARCK	74	51	84	48	63	1	T	-.4	T	T	0	14.0	112	89	43	0	0	0	0
FARGO	73	53	79	48	63	1	.9	-.4	.5	.9	180	15.9	103	96	60	0	0	2	0
GRAND FORKS	70	50	76	43	60	0	.3	-.2	.3	.3	57	13.2	92	95	56	0	0	1	0
WILLISTON	71	51	81	44	61	0	.2	-.2	.1	.2	51	8.7	79	89	38	0	0	5	0
OH AKRON-CANTON	84	66	91	51	75	8	0	-.7	0	0	0	24.4	93	93	59	1	0	0	0
CINCINNATI	88	67	91	57	77	6	0	-.7	0	0	0	28.5	98	91	50	2	0	0	0
CLEVELAND	83	67	91	52	75	8	0	-.7	0	0	0	24.3	96	90	63	1	0	0	0
COLUMBUS	87	66	91	52	77	7	0	-.8	0	0	0	23.0	83	87	50	2	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending September 7, 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	
																	°F	°F	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	87	67	90	54	77	7	0	-6	0	0	0	22.1	86	83	49	1	0	0	0	
TOLEDO	84	67	92	51	75	9	.5	-2	.4	.5	74	25.7	112	95	63	1	0	2	0	
YOUNGSTOWN	84	65	91	45	74	9	T	-8	T	T	1	24.6	92	94	58	0	0	1	0	
OK OKLAHOMA CITY	97	72	102	68	85	8	0	-7	0	0	0	30.4	133	75	30	0	0	0	0	
TULSA	98	76	105	72	87	10	T	-1.0	T	T	0	34.1	124	81	36	7	0	0	0	
OR ASTORIA	64	54	68	49	59	-1	1.0	.5	.5	1.0	185	22.6	57	98	78	0	0	4	1	
BURNS	69	41	80	33	55	-7	.2	0	.1	.2	94	3.7	79	—	—	0	0	2	0	
MEDFORD	73	51	84	45	62	-6	.4	.3	.3	.4	300	5.2	46	89	41	0	0	4	0	
PENDLETON	74	52	82	44	63	-5	.2	.1	.1	.2	164	5.2	68	74	32	0	0	4	0	
PORTLAND	73	56	81	50	65	-1	.1	-.2	.1	.2	36	10.9	51	87	49	0	0	4	0	
SALEM	73	50	79	42	61	-3	.1	-.2	.1	.1	29	11.9	52	93	45	0	0	1	0	
PA ALLENTOWN	85	66	91	56	75	7	0	-1.0	0	0	0	26.7	87	92	55	2	0	0	0	
ERIE	84	67	89	53	75	10	.4	-.6	.2	.4	39	25.2	97	88	62	0	0	4	0	
HARRISBURG	87	68	96	56	78	7	.1	-.8	.1	.1	6	21.7	80	89	54	4	0	1	0	
PHILADELPHIA	87	69	92	60	78	6	T	-9	T	T	0	20.8	71	91	52	3	0	0	0	
PITTSBURGH	85	63	91	46	74	6	0	-7	0	0	0	22.6	84	86	50	2	0	0	0	
SCRANTON	82	65	87	55	73	7	T	-.8	T	T	5	24.1	100	93	61	0	0	1	0	
RI PROVIDENCE	79	61	88	51	70	3	.7	-.2	.3	.7	77	30.5	101	99	61	0	0	5	0	
SC CHARLESTON	90	72	94	70	81	3	T	-1.3	T	T	0	36.6	92	96	55	3	0	0	0	
COLUMBIA	91	67	93	65	79	1	0	-1.1	0	0	0	32.5	87	100	50	6	0	0	0	
FLORENCE	89	70	93	68	80	2	.1	-1.0	.1	.1	9	23.7	71	98	51	4	0	1	0	
GREENVILLE	88	66	90	64	77	2	1.0	.1	1.0	1.0	106	30.9	85	97	52	2	0	1	0	
SD ABERDEEN	81	57	85	54	69	5	.5	.1	.3	.5	115	12.8	88	95	50	0	0	2	0	
HURON	83	59	88	56	71	6	1.3	.9	1.0	1.3	356	18.8	125	97	56	0	0	3	1	
RAPID CITY	81	55	91	51	68	3	.3	0	.1	.3	93	8.3	60	77	29	1	0	2	0	
SIOUX FALLS	82	62	88	57	72	7	.7	0	.5	.7	100	21.3	113	95	63	0	0	3	1	
TN CHATTANOOGA	87	68	88	64	77	2	.5	-.5	.5	.5	49	28.5	77	97	58	0	0	2	0	
KNOXVILLE	89	63	91	60	76	1	0	-.7	0	0	0	25.3	75	98	47	4	0	0	0	
MEMPHIS	89	74	92	71	82	4	.4	-.5	.4	.4	42	33.5	89	92	59	4	0	3	0	
NASHVILLE	90	69	93	63	79	4	T	-.9	T	T	0	21.9	63	93	49	5	0	0	0	
TX ABILENE	96	74	101	71	85	6	T	-.7	T	T	0	16.9	103	61	29	6	0	0	0	
AMARILLO	96	66	98	63	81	8	0	-.5	0	0	0	13.7	89	63	21	7	0	0	0	
AUSTIN	99	75	104	71	87	5	.8	0	.5	.8	104	17.7	84	86	33	7	0	2	0	
BEAUMONT	92	75	99	70	83	2	4.4	2.9	2.4	4.4	298	48.0	135	99	61	5	0	4	4	
BROWNSVILLE	94	77	96	73	85	2	T	-1.1	T	T	0	21.3	140	91	51	7	0	0	0	
CORPUS CHRISTI	94	76	98	72	85	2	0	-1.4	0	0	0	21.7	112	92	48	7	0	0	0	
DEL RIO	96	74	99	71	85	2	.3	-.3	.2	.3	53	13.2	116	71	30	7	0	2	0	
EL PASO	90	65	96	60	77	0	.3	0	.2	.3	91	5.0	94	74	25	3	0	3	0	
FORT WORTH	99	77	106	74	88	6	T	-.7	T	T	0	19.7	94	66	29	7	0	0	0	
GALVESTON	89	80	94	74	85	3	.7	-.7	.7	.7	49	30.8	117	75	57	3	0	1	1	
HOUSTON	94	75	102	73	85	4	.1	-1.0	.1	.1	7	29.3	97	93	49	6	0	1	0	
LUBBOCK	96	67	99	65	82	7	0	-.5	0	0	0	14.4	107	70	23	7	0	0	0	
MIDLAND	97	68	101	66	82	5	.2	-.3	.2	.2	38	7.4	77	71	24	7	0	1	0	
SAN ANGELO	97	70	101	66	84	4	.1	-.6	.1	.1	15	13.0	107	76	30	7	0	1	0	
SAN ANTONIO	99	75	103	70	87	5	.5	-.3	.5	.5	60	28.0	143	81	31	7	0	1	1	
VICTORIA	97	77	102	73	87	5	T	-1.4	T	T	1	30.6	125	92	41	7	0	1	0	
WACO	100	74	106	71	87	4	0	-.7	0	0	0	17.2	81	80	32	7	0	0	0	
WICHITA FALLS	100	74	104	68	87	7	0	-.7	0	0	0	24.2	129	65	28	7	0	0	0	
UT BLANDING	78	52	89	42	65	-2	.3	.1	.3	.3	157	9.1	125	73	27	0	0	2	0	
CEDAR CITY	78	51	88	43	65	-3	T	-.2	T	T	10	6.5	90	77	27	0	0	1	0	
SALT LAKE CITY	84	60	96	56	72	2	.2	-.1	.1	.2	76	9.6	88	65	26	1	0	2	0	
VT BURLINGTON	74	57	81	44	66	3	1.2	.3	.6	1.2	141	22.5	97	91	62	0	0	5	1	
VA NORFOLK	92	71	97	65	82	6	T	-1.1	T	T	0	28.0	86	87	45	5	0	0	0	
RICHMOND	91	68	95	63	80	6	0	-.9	0	0	0	31.6	102	79	46	5	0	0	0	
ROANOKE	88	66	92	61	77	5	.3	-.3	.3	.3	35	31.9	115	91	49	4	0	1	0	
WA COLVILLE	72	50	78	38	61	-1	.7	-.5	.7	.7	389	7.8	70	75	39	0	0	2	1	
QUILLAYUTE	63	49	69	44	56	-2	1.3	.4	.6	1.3	146	30.4	51	99	68	0	0	3	1	
SEATTLE-TACOMA	66	53	71	49	59	-3	.4	-.1	.2	.4	85	11.7	54	93	58	0	0	3	0	
SPOKANE	70	49	76	44	60	-3	.2	0	.1	.2	81	5.4	48	84	30	0	0	3	0	
YAKIMA	76	45	83	36	61	-4	T	-.1	T	T	0	2.4	48	75	29	0	0	0	0	
WV BECKLEY	81	61	83	57	71	5	0	-.8	0	0	0	26.1	84	95	55	6	0	1	0	
CHARLESTON	91	65	93	56	78	7	.3	-.5	.3	.3	39	25.8	82	89	45	6	0	0	0	
HUNTINGTON	87	66	90	55	77	5	T	-.7	T	T	5	29.7	99	98	52	1	0	2	1	
PARKERSBURG	88	66	92	55	77	7	T	-.7	T	T	4	20.3	64	96	49	1	0	2	0	
WI GREEN BAY	79	64	89	52	71	8	.8	0	.8	.8	105	26.1	129	95	69	0	0	4	1	
LA CROSSE	85	66	93	55	76	10	1.3	.4	1.0	1.3	148	18.5	80	99	62	2	0	3	1	
MADISON	84	66	93	52	75	11	.9	.1	.5	.9	109	22.7	99	95	63	1	0	2	0	
MILWAUKEE	84	69	95	61	77	11	T	-.7	T	T	4	18.7	83	99	70	2	0	1	0	
WAUSAU	78	62	89	49	70	8	.5	-.5	.4	.5	53	20.8	89	96	63	0	0	3	0	
WY CASPER	80	50	84	44	65	3	.3	-.2	.3	.3	207	7.8	89	71	24	0	0	2	0	
CHEYENNE	78	53	80	49	66	4	.3	0	.2	.3	104	15.7	143	74	28	0	0	2	0	
LANDER	78	55	82	48	66	4	.1	-.1	.1	.1	57	5.7	58	53	21	0	0	1	0	
SHERIDAN	78	49	89	42	64	2	T	-.2	T	T	13	7.3	64	72	29	0	0	2	0	
PR SAN JUAN	89	77	92	76	83	1	.2	-1.2	.1	.2	16	21.6	64	94	67	2	0	4	0	

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS.

August Weather and Crop Summary

AUGUST WEATHER SUMMARY

HIGHLIGHTS: Rain moved over the very dry areas in Montana early in the month. The rain was generally too late for this year's crops, but the replenished soil moisture will help the fall planting. Thunderstorms triggered some rain in most of the Nation, but some areas remained too dry. An area from eastern Kentucky and southern Ohio into New England needs rain badly. Much of Texas was also dry. Temperatures were cooler than normal in the Northwest, the northern Rockies, and Plains, and through most of the Corn Belt. Cool temperatures slowed crop development. Early in the month, Hurricane Danny formed in the Gulf of Mexico and triggered torrential rains in the Mississippi Delta and then through the lower Appalachians. As the month ended, Hurricane Elena formed in the Gulf and lashed the upper coast of the Florida peninsula with gale winds, heavy rain, and a few tornadoes.

In the first 3 days of the month, showers reached from the Southwest into the central Plains and a cold front triggered moderate to heavy showers through the very dry Montana area. Thundershowers also covered the Southeast.

FIRST WEEK...Beneficial rain fell in most of the Corn Belt with the heaviest amounts in Illinois and Indiana. Very helpful rain fell from southeastern New York through New Jersey and into Delaware, but the very dry areas in eastern Maryland and Virginia had very little rain. Pacific storms moving into the Northwest brought some rain but little or none fell east of the Rockies. Maximum temperatures were over 100 degrees through much of the southern Plains and in western Nebraska and South Dakota. Later in the week, low temperatures in the forties covered the northern Plains.

SECOND WEEK...A cold front moved from the northern Plains through the Northeast and triggered showers and thunderstorms from western Texas through the Plains and to New England. Much cooler air covered the Rockies and Plains. On Thursday, Hurricane Danny moved into southern Louisiana and triggered torrential rains through the Mississippi Delta. Moisture from the dissipating hurricane spread through the lower Appalachians and triggered more torrential rain to western Virginia and lighter rain throughout much of the Southeast.

THIRD WEEK...Thunderstorms brought widespread showers to nearly all of the Nation. Only parts of the West Coast States and the central Plateau remained dry. The showers were most beneficial in parts of the western Corn Belt and in the mid-Atlantic States. In most areas the showers were too late to help this year's crops, but pastures and soil moisture will be helped. Severe weather was frequent through the Plains and to the East, but there was no widespread damage. Temperatures were cooler than normal in most of the Nation, especially in the upper Mississippi Valley. Above-normal temperatures reached across the South and into the central Rockies.

FOURTH WEEK...Hurricane Elena formed in the Southeastern Gulf of Mexico from a tropical storm which moved northwestward from western Cuba. The hurricane moved rapidly northwestward, threatening the lower Mississippi Delta, and then turned sharply eastward and moved to within 50 miles of the upper gulf coast of the Florida peninsula and then became stationary as the week ended. The storm lashed the coast of Florida with gale winds, heavy rain, and a few tornadoes. Heavy rain reached northward along the southeastern coast. Elsewhere, thunderstorms

covered the East Coast States, the Ohio, and Tennessee Valleys, and the Great Lakes region. It was significantly cooler than normal through the Corn Belt, parts of the northern Plains, and in parts of the Northwest.

AUGUST CROP DEVELOPMENT

Moisture and warmth continued pushing crop development ahead of normal the first half of August. By mid-month, below-normal temperatures in the Great Plains began slowing crop development. The below-normal temperatures continued as the month progressed and by month's end covered most of the eastern half of the Nation. The cooler temperatures slowed crop progress and by the end of August most were running closer to normal. In some instances, crop progress fell behind normal. Overall crop condition remained mostly good during the month. Soil moisture was mostly adequate except for the Northeastern States, portions of the Corn Belt and Western States.

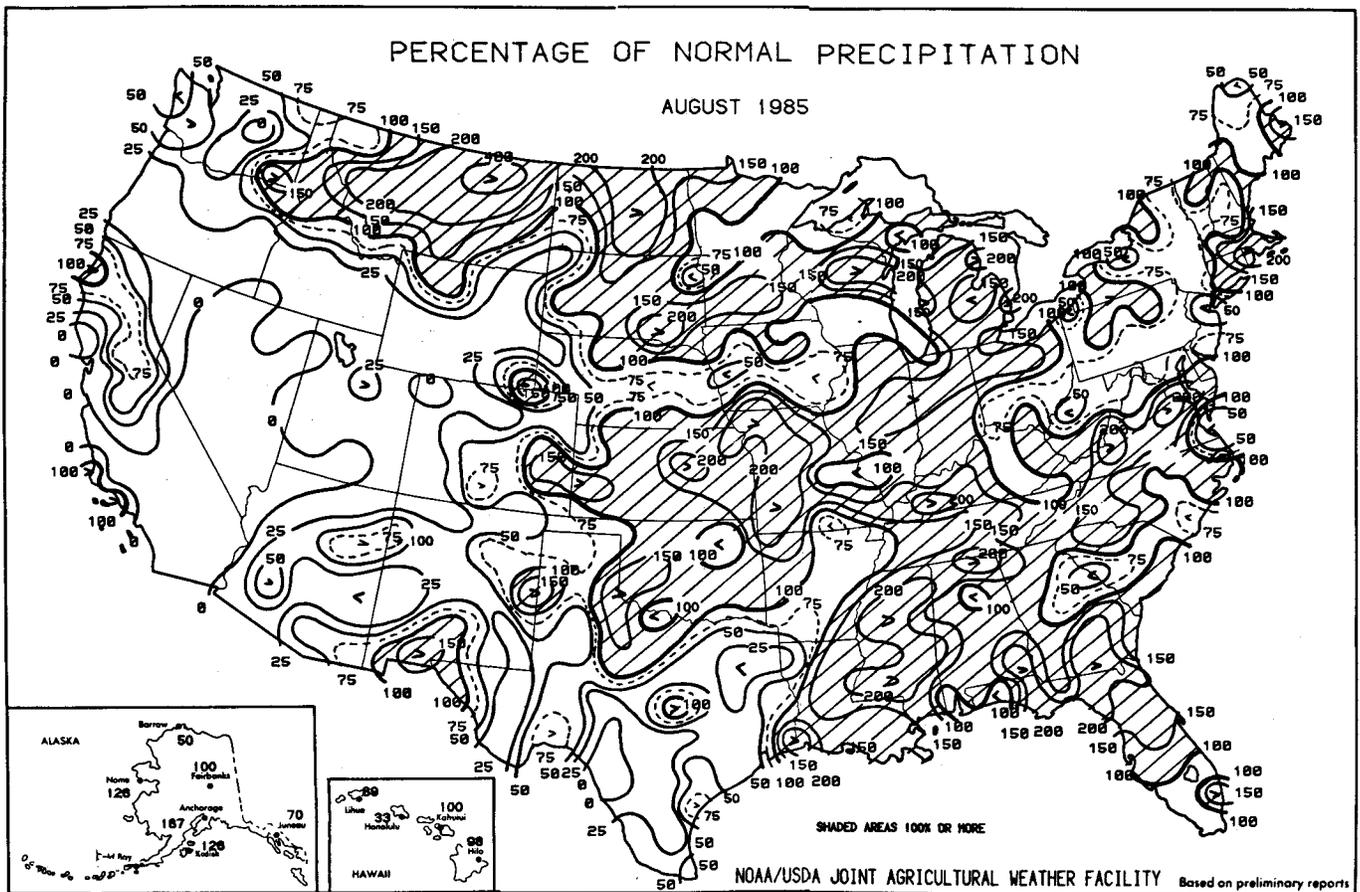
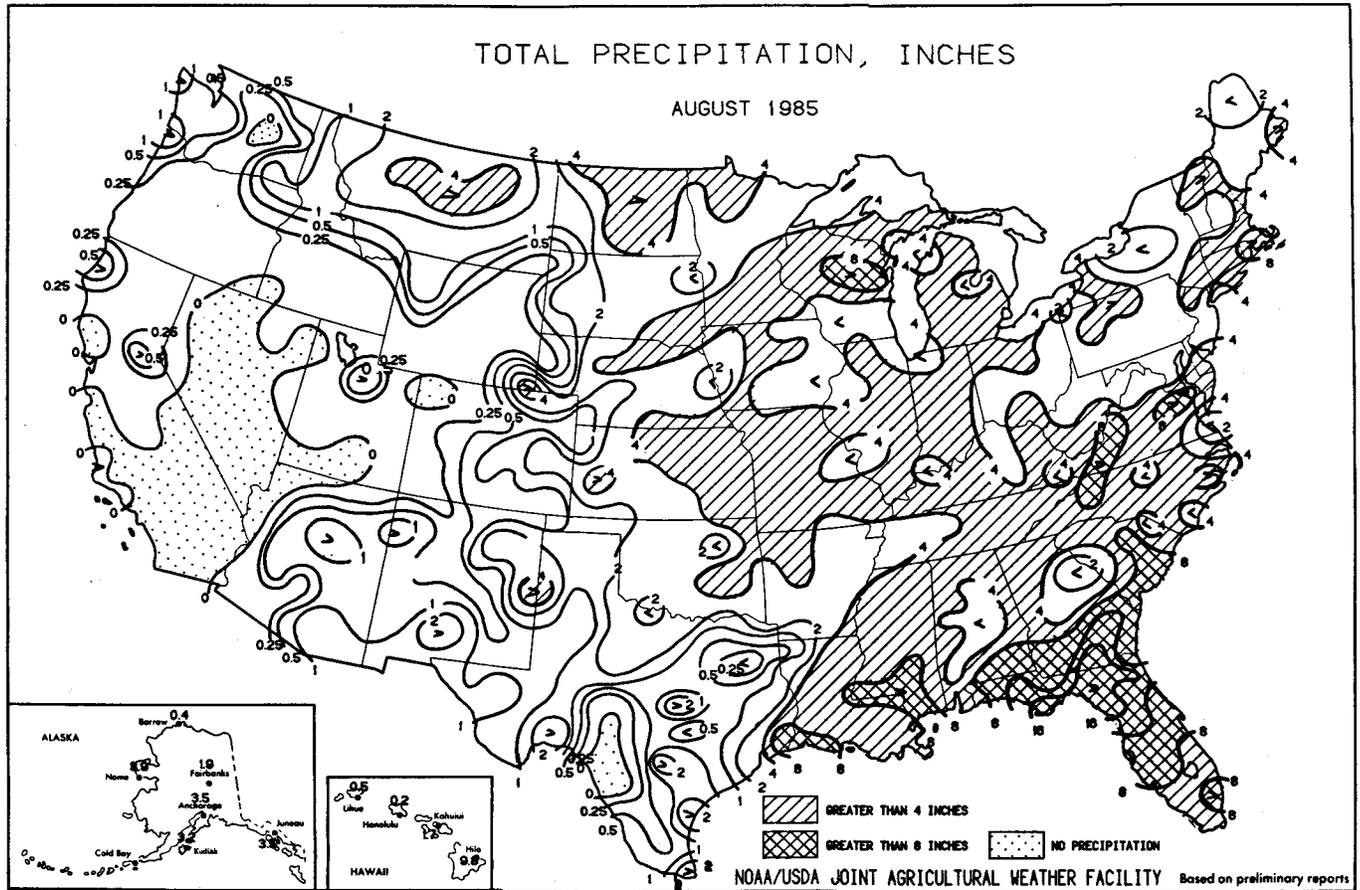
Corn ended the month in mostly good condition. On September 1, 91% of the acreage had reached the dough stage. Fifty-six percent was in the dent stage or beyond with 10% mature. Dough and dent were 3 points ahead of normal but corn mature was 1 point below the average. Harvest continued spreading, moving into the Appalachian States and Missouri.

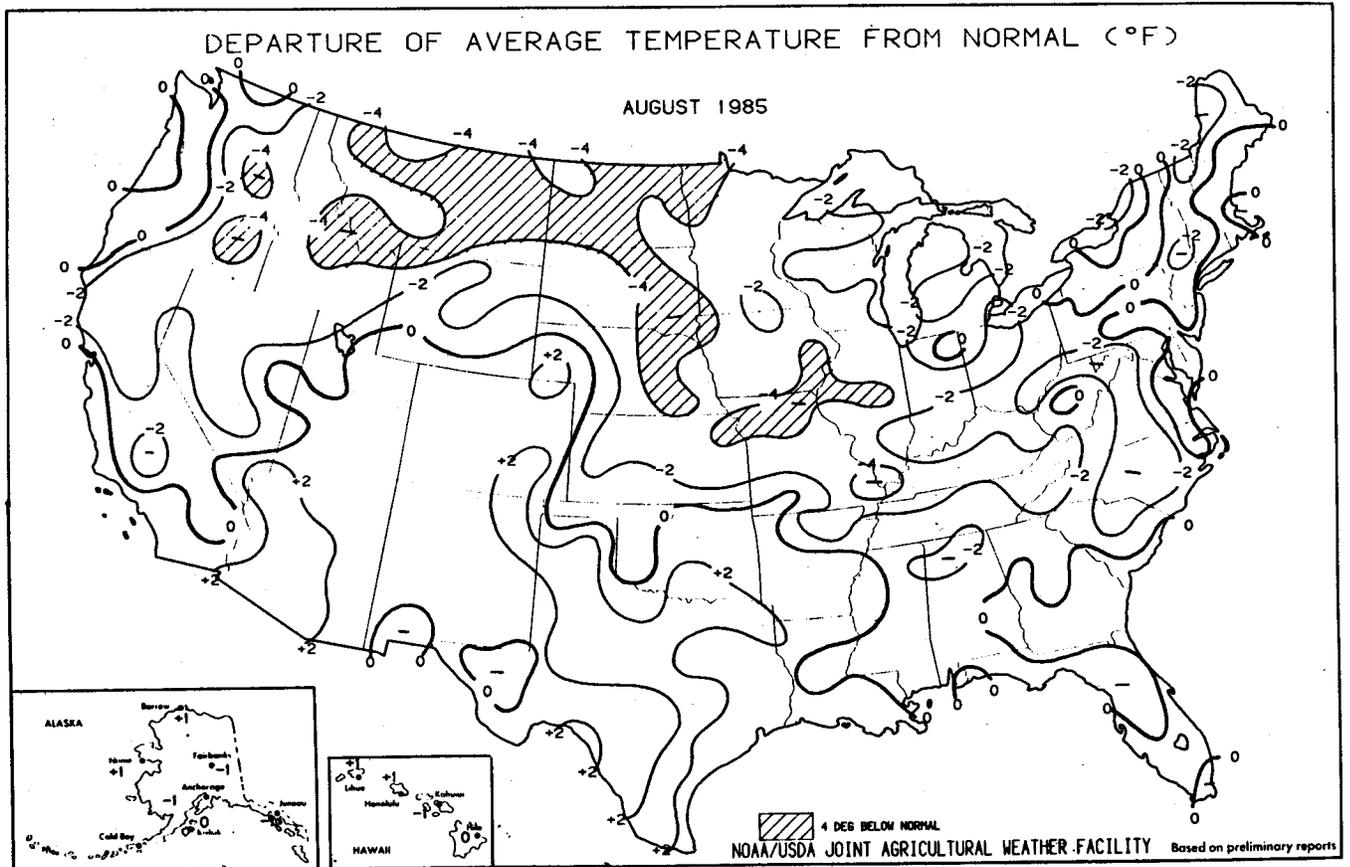
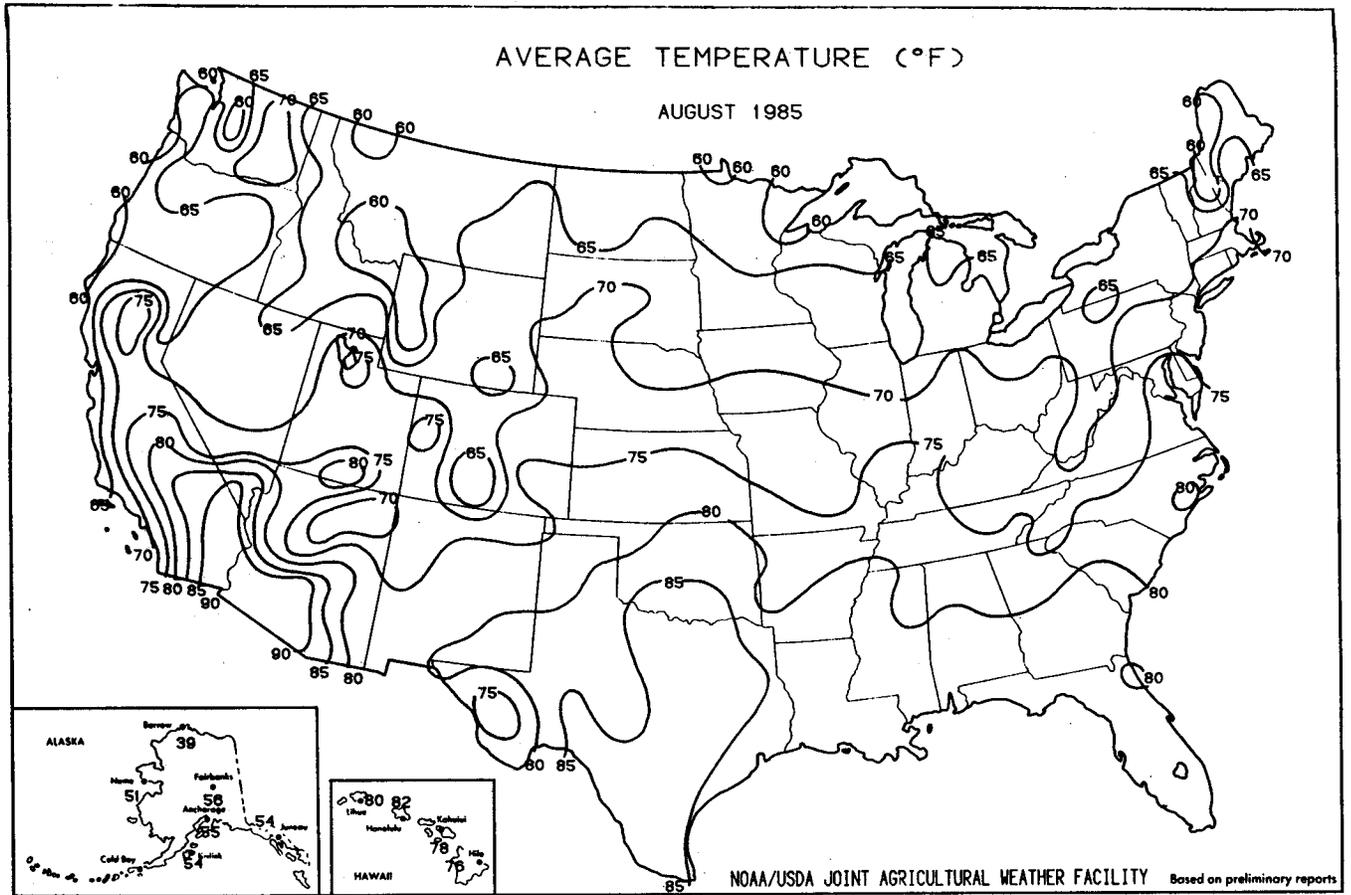
Soybeans were mostly good. At the end of the month, pods were setting on 93% of the acreage compared with 89% normally. Pod setting was equal to or ahead of normal in all States except Alabama, Kentucky, Michigan, Minnesota, South Dakota, and in the Carolinas. Soybeans were turning yellow and dropping leaves as far North as Minnesota.

Cotton was mostly good during August. Soil moisture was generally adequate but low moisture slowed crop development in portions of the Delta and in Texas at month's end. Bolls were opening on 34% of the acreage, compared with 22% last year and 25% normally. Dryland fields in Texas began shedding bolls from the lack of moisture. Cotton was 13% harvested in Texas and just beginning in Louisiana.

Sorghum was mostly good, with 48% of the acreage turning color, equaling 1984 and the average. Sorghum coloring was ahead of normal in Missouri, Oklahoma, and Texas. Twenty-four percent of the sorghum was mature, compared with 25% normally. Harvest was underway throughout most of the Southeast and lagged 4 points behind normal in Texas.

Winter wheat harvest was limited mostly to the Pacific Northwest during August and was nearly finished on September 1. Plowing for the 1986 crop was active in most areas during the month. By month's end, seeding was underway in Colorado, Idaho, Kansas, Montana, Nebraska, Oklahoma, South Dakota and Washington, ranging from 1% complete in both Kansas and Nebraska to 15% seeded in Washington. Spring wheat harvest was 1 point ahead of normal on August 4, but by September 1, lagged 13 points behind normal. Below-normal temperatures slowing maturity, and rain was responsible for the harvest delay. Harvest was 19 and 33 points behind normal in North Dakota and Minnesota, respectively.





Temperature and Precipitation Data for August 1985

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
AL BIRMINGHAM	78	-1	3.6	-0.3	LA ALEXANDRIA	81	-1	6.7	3.8	CLEVELAND	69	-2	4.0	0.7
MOBILE	81	-1	4.3	-2.5	BATON ROUGE	82	1	6.9	1.9	COLUMBUS	71	-1	2.3	-1.4
MONTGOMERY	81	-1	3.6	0.5	LAKE CHARLES	83	1	6.8	1.4	DAYTON	71	-2	2.5	-0.6
AK ANCHORAGE	55	-1	3.5	1.4	NEW ORLEANS	82	0	6.3	0.3	TOLEDO	69	-1	4.3	1.1
BARROW	39	1	0.5	-0.5	SHREVEPORT	85	2	0.4	-2.2	YOUNGSTOWN	68	-1	3.0	-0.4
FAIRBANKS	56	-1	1.9	0.0	ME CARIBOU	63	0	1.8	-2.2	OK OKLAHOMA CITY	81	0	2.6	0.2
JUNEAU	54	-1	3.5	-1.3	PORTLAND	67	0	3.2	0.4	TULSA	82	0	1.9	-1.1
KODIAK	54	-1	3.2	-2.0	MD BALTIMORE	75	-1	3.7	-0.9	OR ASTORIA	60	-1	1.1	-0.5
NOME	51	1	4.0	0.9	MA SALISBURY	75	-1	6.5	0.7	BURNS	61	-6	0.1	-0.7
AZ FLAGSTAFF	65	1	1.1	-1.5	BOSTON	70	-2	6.7	3.0	MEDFORD	71	0	T	-0.4
PHOENIX	95	5	0.2	-0.8	CHATHAM	67	-1	7.8	3.7	PENDLETON	68	-4	0.3	-0.3
PRESCOTT	73	3	1.0	-2.4	MI ALPENA	64	-1	4.7	1.5	PORTLAND	69	2	0.5	-0.7
TUCSON	86	2	2.0	-0.1	DETROIT	69	-1	4.9	1.7	SALEM	65	-1	0.2	-0.6
WINSLOW	76	0	1.3	-0.1	FLINT	67	-1	4.3	1.0	PA ALLENTOWN	72	0	3.5	-1.0
YUMA	95	2	T	-0.4	GRAND RAPIDS	67	-2	6.5	3.0	ERIE	71	2	1.6	-2.2
AR FORT SMITH	81	0	3.6	0.6	HUGHTON LAKE	64	-1	4.8	1.8	HARRISBURG	74	0	2.1	-1.2
LITTLE ROCK	80	0	3.0	0.4	LANSING	67	-2	4.4	1.3	PHILADELPHIA	74	-1	2.8	-1.3
CA BAKERSFIELD	79	-3	0.0	-0.1	MARQUETTE	61	-2	4.8	1.5	PITTSBURGH	69	-1	2.7	-0.7
EUREKA	59	2	0.5	0.2	MUSKOGON	67	-2	7.1	4.0	SCRANTON	69	-1	2.6	-0.9
FRESNO	80	2	T	0.0	SAULT STE. MARI	62	0	4.3	0.8	RI PROVIDENCE	71	0	8.6	4.5
LOS ANGELES	70	0	0.0	-0.1	MN ALEXANDRIA	64	-4	2.1	-1.5	SC CHARLESTON	80	0	8.4	1.9
RED BLUFF	77	-3	0.2	0.0	DULUTH	60	-4	3.9	-0.2	COLUMBIA	78	-3	5.7	0.1
SACRAMENTO	73	-2	0.1	0.0	INT'L FALLS	60	-3	4.3	1.3	FLORENCE	78	-2	2.7	-2.1
SAN DIEGO	72	0	0.0	-0.1	MINNEAPOLIS	68	-3	5.0	1.4	GREENVILLE	75	-2	5.9	2.3
SAN FRANCISCO	64	1	T	0.0	ROCHESTER	65	-3	5.4	1.6	SD ABERDEEN	67	-4	2.7	0.7
CO DENVER	72	1	0.3	-1.3	ST. CLOUD	64	-3	4.6	0.3	HURON	67	-5	2.6	0.5
GRAND JUNCTION	77	1	0.2	-0.7	MS GREENWOOD	81	-1	4.1	1.4	RAPID CITY	69	-2	1.9	0.4
PUEBLO	75	1	0.9	-0.9	JACKSON	80	-1	7.1	3.4	SIoux FALLS	66	-6	4.0	0.9
CT BRIDGEPORT	73	-1	4.6	0.9	MERIDIAN	80	-1	7.4	4.1	TN CHATTANOOGA	76	-2	4.9	1.5
HARTFORD	70	-1	6.4	2.4	MO COLUMBIA	72	-4	6.2	3.2	KNOXVILLE	75	-2	4.1	1.1
DC WASHINGTON	77	-1	2.4	-2.1	KANSAS CITY	72	-5	7.0	3.4	MEMPHIS	80	-1	3.5	-0.2
FL APALACHICOLA	80	-1	16.2	8.7	SAINT LOUIS	75	-2	3.6	1.1	NASHVILLE	77	-1	3.9	0.5
DAYTONA BEACH	81	0	9.7	3.3	SPRINGFIELD	76	-1	6.0	3.1	TX ABILENE	85	2	3.7	1.2
FORT MYERS	85	2	7.7	-0.9	MT BILLINGS	66	-5	1.7	0.6	AMARILLO	80	3	1.7	-1.3
JACKSONVILLE	81	0	8.9	1.8	GLASGOW	64	-4	5.8	4.3	AUSTIN	87	2	0.4	-1.9
KEY WEST	84	0	5.9	1.1	GREAT FALLS	62	-6	4.9	3.6	BEAUMONT	83	1	11.3	5.8
MIAMI	82	-1	11.9	4.9	HAVRE	64	-4	2.4	1.2	BROWNSVILLE	85	1	2.1	-0.7
ORLANDO	82	-1	11.6	5.3	HELENA	63	-3	2.8	1.6	CORPUS CHRISTI	84	-1	2.9	-0.6
TALLAHASSEE	81	0	10.2	2.9	KALISPELL	60	-4	1.1	-0.3	DEL RIO	86	1	0.0	-1.6
TAMPA	83	1	8.7	1.1	MILES CITY	69	-4	1.8	0.5	EL PASO	81	0	1.5	0.3
WEST PALM BEACH	83	0	5.2	-0.6	MISSOULA	62	-3	3.3	2.3	FORT WORTH	88	2	0.5	-1.2
GA ATLANTA	78	-1	4.6	1.2	NE GRAND ISLAND	71	-4	2.3	-0.3	GALVESTON	83	0	2.5	-1.9
AUGUSTA	80	0	1.8	-2.2	LINCOLN	71	-4	2.0	-1.4	HOUSTON	84	2	1.1	-2.5
MACON	80	-1	2.5	-1.1	NORFOLK	70	-3	2.5	-0.2	LUBBOCK	81	4	0.7	-1.6
SAVANNAH	81	0	9.4	2.8	NORTH PLATIE	70	-2	1.2	-0.8	MIDLAND	84	3	0.8	-0.8
HI HILO	76	0	9.8	-0.2	OMAHA	71	-3	1.7	-2.5	SAN ANGELO	84	1	0.2	-1.6
HONOLULU	82	1	0.2	-0.4	SCOTTSBLUFF	72	0	0.2	-0.8	SAN ANTONIO	85	1	0.5	-2.2
KAHULUI	78	-1	0.5	0.0	VALENTINE	70	-3	2.9	0.5	VICTORIA	86	2	1.9	-1.5
LIHUE	80	1	1.7	-0.2	NV ELKO	66	-2	T	-0.6	WACO	87	2	0.7	-1.3
ID BOISE	69	-3	T	-0.4	ELY	66	0	T	-0.6	WICHITA FALLS	85	1	1.8	-0.4
LEWISTON	70	-3	1.0	0.2	LAS VEGAS	90	2	0.0	-0.5	UT BLANDING	72	1	T	-1.4
POCATELLO	66	-3	T	-0.6	RENO	68	2	T	-0.3	CEDAR CITY	73	1	0.0	-1.1
IL CAIRO	75	-4	6.4	2.4	WINNEMUCCA	67	-2	T	-0.4	MILFORD	72	0	0.1	-0.6
CHICAGO	69	-3	3.9	0.4	NH CONCORD	66	-1	2.5	-0.7	SALT LAKE CITY	77	2	T	-0.9
MOLINE	70	-3	2.8	-1.0	NJ ATLANTIC CITY	73	0	3.9	-0.8	VT BURLINGTON	67	0	2.7	-1.2
PEORIA	70	-3	3.7	0.3	NM ALBUQUERQUE	77	1	0.5	-1.0	VA NORFOLK	77	-1	1.9	-3.4
QUINCY	71	-4	4.6	0.7	CLOVIS	77	1	6.8	4.3	RICHMOND	77	1	10.6	5.6
ROCKFORD	68	-3	4.7	1.0	ROSWELL	80	1	0.3	-1.9	ROANOKE	74	-1	8.7	4.8
SPRINGFIELD	71	-3	6.0	2.8	NY ALBANY	68	-1	2.2	-1.1	WA COLVILLE	66	-1	0.9	-0.3
IN EVANSVILLE	75	-1	3.7	0.7	BINGHAMTON	67	0	2.7	-0.6	QUILLAYUTE	59	0	1.1	-1.8
FORT WAYNE	71	0	5.2	1.9	BUFFALO	69	0	4.6	0.5	SEATTLE-TACOMA	65	1	0.5	-0.7
INDIANAPOLIS	71	-2	5.3	1.8	NEW YORK	76	0	2.7	-1.6	SPOKANE	65	-3	0.2	-0.6
SOUTH BEND	70	-1	3.8	-0.1	ROCHESTER	69	-1	1.1	-2.1	WALLA WALLA	71	-3	1.1	0.4
IA DES MOINES	72	-2	2.8	-1.3	SYRACUSE	69	-1	1.5	-2.3	YAKIMA	66	-3	T	-0.3
DUBUQUE	67	-3	3.4	-1.1	NC ASHEVILLE	71	-2	7.0	2.3	BECKLEY	67	-1	4.3	0.7
SIoux CITY	69	-4	3.7	0.6	CHARLOTTE	76	-2	7.4	3.6	CHARLESTON	74	0	2.0	-2.1
WATERLOO	68	-3	4.2	0.5	GREENSBORO	73	-3	4.9	0.7	HUNTINGTON	72	-2	4.8	1.0
KS CONCORDIA	73	-4	4.5	1.1	HATTERAS	78	-1	7.2	1.1	PARKERSBURG	71	-2	2.4	-1.1
DODGE CITY	77	-1	2.9	0.4	NEW BERN	79	0	4.4	-2.0	WI GREEN BAY	66	-1	8.0	4.9
GOODLAND	73	0	0.8	-1.1	RALEIGH	75	-2	3.7	-0.7	LA CROSSE	68	-3	3.2	-0.5
TOPEKA	73	-4	7.9	4.2	WILMINGTON	79	-1	3.6	-3.0	MADISON	66	-2	3.0	-0.9
WICHITA	77	-2	2.9	0.1	ND BISMARCK	64	-5	4.6	2.9	MILWAUKEE	68	-1	2.2	-0.9
KY BOWLING GREEN	74	-3	5.3	1.9	FARGO	64	-4	2.3	-0.4	WAUSAU	66	-1	6.6	2.5
JACKSON	71	-1	5.2	1.6	GRAND FORKS	63	-4	3.2	0.5	WY CASPER	67	-2	0.1	-0.6
LEXINGTON	73	-2	3.8	-0.2	WILLISTON	65	-4	2.0	0.5	CHEYENNE	67	0	6.6	5.3
LOUISVILLE	75	-2	4.5	1.2	OH AKRON-CANTON	69	-1	3.5	0.2	LANDER	67	-1	0.1	-0.4
PADUCAH	--	--	5.8	2.6	CINCINNATI	72	-2	2.0	-1.0	PR SHERIDAN	66	-2	0.4	-0.5
									SAN JUAN	83	1	4.3	-1.6	

Based on 1951-80 normals.

Heating Degree Days (Base 65° F.)

August 1985

ALA. Birmingham . . .	0	MAINE, Caribou . . .	118	OKLA. Okla. City . . .	0
Mobile	0	Portland	32	Tulsa	0
Montgomery	0	MD. Baltimore	0	OREG. Astoria	172
ALASKA, Anchorage . . .	299	MASS. Boston	11	Burns	131
Barrow	801	Chatham	19	Medford	4
Fairbanks	263	MICH. Alpena	88	Pendleton	22
Nome	433	Detroit	8	Portland	7
ARIZ. Flagstaff	31	Flint	28	Salem	51
Phoenix	0	Grand Rapids	17	PA. Allentown	3
Tucson	0	Houghton Lake	88	Erie	3
Winslow	0	Lansing	26	Harrisburg	0
Yuma	0	Marquette	146	Philadelphia	0
ARK. Fort Smith	0	S. Ste. Marie	100	Pittsburgh	9
Little Rock	0	MINN. Duluth	178	Scranton	11
CALIF. Bakersfield . . .	0	Internatl Falls	164	R.I. Providence	6
Eureka	194	Minneapolis	28	S.C. Charleston	0
Fresno	0	Rochester	55	Columbia	0
Los Angeles	0	St. Cloud	47	Greenville	0
Red Bluff	0	MISS. Jackson	0	S. DAK. Aberdeen	42
Stockton	0	Meridian	0	Huron	46
San Diego	0	MO. Columbia	2	Rapid City	27
San Francisco	51	Kansas City	3	Sioux Falls	44
COLO. Denver	1	St. Louis	0	TENN. Chattanooga	0
Grand Junction	0	Springfield	1	Knoxville	0
Pueblo	0	MONT. Billings	65	Memphis	0
CONN. Bridgeport	2	Glasgow	83	Nashville	0
Hartford	14	Great Falls	147	TEX. Abilene	0
D.C. Washington	0	Havre	110	Amarillo	0
FLA. Apalachicola	0	Helena	105	Austin	0
Ft. Myers	0	Kalispell	180	Beaumont	0
Jacksonville	0	Miles City	37	Brownsville	0
Key West	0	Missoula	121	Corpus Christi	0
Miami	0	NEBR. Grand Island	13	Del Rio	0
Orlando	0	Lincoln	8	El Paso	0
W. Palm Beach	0	Norfolk	15	Fort Worth	0
Tallahassee	0	North Platte	23	Galveston	0
Tampa	0	Omaha	7	Houston	0
GA. Atlanta	0	Valentine	29	Lubbock	0
Augusta	0	NEV. Ely	42	Midland	0
Macon	0	Las Vegas	0	San Angelo	0
Savannah	0	Reno	12	San Antonio	0
IDAHO, Boise	26	Winnemucca	39	Victoria	0
Lewiston	12	N.H. Concord	38	Waco	0
Pocatello	44	N.J. Atlantic City	0	Wichita Falls	0
ILL. Cairo	0	N. MEX. Albuquerque	0	UTAH, Milford	3
Chicago	6	N.Y. Albany	16	Salt Lake City	0
Moline	4	Binghamton	31	VT. Burlington	42
Peoria	6	Buffalo	12	VA. Lynchburg	0
Rockford	14	New York	0	Norfolk	0
Springfield	11	Rochester	23	Richmond	0
IND. Evansville	0	Syracuse	18	Roanoke	0
Fort Wayne	3	N.C. Asheville	6	WASH. Colville	-
Indianapolis	1	Charlotte	0	Quillayute	190
South Bend	4	Greensboro	0	Seattle-Tacoma	48
IOWA, Des Moines	0	Hatteras	0	Spokane	64
Dubuque	23	Raleigh	0	Walla Walla	4
Soux City	13	Wilmington	0	Yakima	32
KANS. Concordia	2	N. DAK. Bismarck	85	W. VA. Beckley	19
Dodge City	0	Fargo	72	Charleston	0
Goodland	4	Williston	73	Huntington	0
Topeka	0	OHIO. Akron-Canton	5	WIS. Green Bay	34
Wichita	0	Cincinnati	0	Madison	36
KY. Lexington	0	Cleveland	7	Milwaukee	13
Louisville	0	Columbus	2	WYO. Casper	51
LA. Baton Rouge	0	Dayton	1	Cheyenne	37
Lake Charles	0	Toledo	16	Lander	41
New Orleans	0	Youngstown	17	Sheridan	62
Shreveport	0				

Based on 1951-80 normals.

National Agricultural Summary

September 2 to 8, 1985

HIGHLIGHTS: Warmth and moisture benefited crops in most of the Corn Belt. Excessive heat and the lack of moisture stressed crops in some Southeastern States and dry areas of the Great Plains. Soil moisture was adequate in the Corn Belt but was becoming short from Delaware south to Georgia. Inadequate moisture continued in most Western States. Fieldwork averaged 5 days or more in most areas, but heavy rain limited fieldwork to 3 days or less in the northern Corn Belt States, South Dakota, and Louisiana.

Winter wheat harvest was virtually complete. Seeding advanced to 10 of the 18 major producing States with 8 percent (%) of the crop seeded. Spring wheat was 78% harvested, compared with 91% normally. In 16 of the 17 major producing States, 73% reached the dent stage and 21% was mature. Soybeans setting pods advanced to 96% completion, slightly ahead of the average. Eight percent of the acreage shed leaves. Insufficient moisture slowed cotton growth in most areas. Cotton with open bolls was 7 points ahead of normal and 13 points greater than in 1984. Sorghum was mostly good to fair and 62% of the acreage turned color. Fall vegetable planting and apple harvest gained momentum. Livestock was mostly good. Pastures continued drying in the West and improving in the East.

SMALL GRAINS: Winter wheat harvest was virtually completed in the Pacific Northwest. Seeding advanced to 10 of the 18 major producing States with 8% of the crop seeded, equalling the normal. Seeding was 2 points ahead of 1984; only Montana, Kansas, and Texas exceeded the normal. Seeding ranged from 1% in Georgia to 23% in Colorado, South Dakota, and Washington.

Spring wheat was 78% harvested, compared with 91% normally. Harvest lagged normal in all States except Idaho and Montana and advanced 14 points from last week in both Idaho and North Dakota.

CORN: Corn was mostly good throughout the Corn Belt and good to fair in the Southeast. In 16 of the 17 major producing States, 73% reached the dent stage, equalling the average. Corn in the dent stage lagged 13, 23, and 27 points behind normal in Minnesota, Michigan, and South Dakota, respectively. Corn mature reached 21%, 3 points behind normal. Corn was mostly mature in the Southeast but lagged behind or was near normal in most other States.

SOYBEANS: Moisture and warmth benefited soybeans filling pods in the Corn Belt. Excess heat and lack of moisture lowered conditions to good to fair in the Southeast. Soybeans setting pods advanced to 96% completion, just slightly ahead of the average. Most States neared completion, but Alabama, Kentucky, Minnesota, South Carolina, and South Dakota were a little behind the normal pace. Eight percent of the acreage shed leaves, behind last year and the average.

COTTON: Insufficient moisture slowed cotton growth and development in most areas. The above-

normal temperatures forced bolls to open early and caused some fruit droppage in Texas. Cotton with open bolls was 7 points above normal and 13 points over 1984. Harvest was 15% finished in Texas, compared with 12% normally. Harvest was complete in the Rio Grande Valley and Coastal Bend, but ginning was still active. Lack of moisture stressed dryland cotton from Cross Timbers to the Low Plains. Harvest was 4% complete in Louisiana and just beginning in Georgia.

SORGHUM: Sorghum was mostly good to fair and 62% of the acreage turned color. Coloring was 20 points above normal in Oklahoma but 22 points below average in South Dakota. Sorghum was 29% mature, equalling the average. Maturity was behind normal in 3 of the 7 major producing States.

OTHER CROPS: Flue-cured tobacco harvest lagged behind normal but was nearly finished in Georgia and South Carolina. Less than half of the crop was harvested in Virginia. Burley tobacco harvest was ahead of normal in 5 of 8 producing States. Heat and high humidity caused sweating and some houseburn in Kentucky.

Peanuts were 16, 23, and 40% harvested in Alabama, Georgia, and Mississippi, respectively. Most dryland fields in Texas were stressed and some stands were dying-off.

Rice was mostly good; 32% was harvested, compared with the 33% average. Texas rice was 70% harvested, 27 points below average. Harvest continued in the Upper Coast with above-average yields and quality. There was a 5-point delay in rice harvest in Louisiana. A few fields of rice were cut in California.

VEGETABLES: Florida vegetable growers continued planting and transplanting fall vegetables. Hurricane Elena caused replanting in some areas. Fall vegetable planting continued in Texas. Pepper and tomatoes were irrigated heavily in the High Plains to combat dryness. Fall melons developed well in Arizona. Cantaloupe harvest will begin soon. California producers continued harvesting and planting a variety of vegetables.

FRUIT AND NUTS: Peach harvest drew to a close in most northern and western producing areas. Apple harvest continued but excessive heat caused discoloration and fruit droppage in some East Coast States. Florida citrus growers conducted maturity tests and picked some white and colored grapefruits. Orange harvest is expected to start by mid-September. California Valencia harvest slowed due to poor demand. Lemons were actively harvested in Arizona's Yuma County and should spread to central areas in about 2 weeks. California raisin grape harvest continued, with 80% on trays. Rain damaged figs and slowed table grape harvest. Hurricane Elena damaged Florida pecans, with losses heavy in some areas.

PASTURES AND LIVESTOCK: Pastures continued drying in some Western States. Condition was mostly good elsewhere. Livestock was mostly good. Texas growers began culling herds because of low forage. Supplemental feeding was heavy in California.

CROP PROGRESS FOR WEEK ENDING SEPT 8, 1985

	CORN % DOUGH		CORN % DENT		CORN % MATURE		RICE % HEADED		WINTER WHEAT % PLANTED	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
COLO	94	92	63	70	5	14				
GA	100	100	100	100	99	97				
ILL	100	100	90	86	25	21				
IND	100	100	95	80	30	20				
IOWA	97	93	72	76	15	18				
KANS	98	98	80	75	35	40				
KY	100	100	90	87	38	29				
MICH	95	95	40	60	5	15				
MINN	95	98	58	78	5	12				
MO	100	97	97	91	74	37				
NEBR	99	97	70	65	3	8				
N C	100	96	100	91	94	81				
OHIO	100	95	85	70	25	20				
PA	89	88	54	33	5	1				
S DAK	75	82	37	54	10	13				
TEX	98	NA	91	NA	72	NA				
WIS	77	82	42	53	11	14				
17 STATES	96	NA	73	NA	22	NA				
EXCL. STATES WITH NA	96	95	73	74	21	20				

	RICE % HARVESTED		SOYBEANS % SETTING PODS		SOYBEANS % DROPPING LEAVES	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	14	5	93	87	4	5
CALIF	0	1	86	86	1	0
LA	69	72	93	93	8	6
MISS	22	7	100	100	15	17
TEX	70	95	100	100	10	8
5 STATES	32	31	95	95	13	13

	WINTER WHEAT % PLANTED	
	1985	1984 AVG.
ARK	0	0
CALIF	0	0
COLO	23	20
GA	1	2
IDAHO	7	7
ILL	0	0
IND	0	0
KANS	5	3
MICH	0	0
MO	0	0
MONT	15	5
NEBR	10	15
OHIO	0	0
OKLA	5	2
OREG	0	2
S DAK	23	21
TEX	8	6
WASH	23	26
18 STATES	8	6

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

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

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
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	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
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KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
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7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
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KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

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	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38	55	4	11
TEX	98	98	84	81	69	68
7 STATES	98	NA	63	NA	31	NA
EXCL. STATES WITH NA	98	95	62	63	29	31

	SORGHUM % HEADED		SORGHUM % COLORING		SORGHUM % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	98	NA	85	NA	63	NA
KANS	97	90	40	45	5	10
MO	99	97	75	72	44	49
NEBR	100	97	55	60	3	3
OKLA	97	100	90	85	15	25
S DAK	95	95	38			

	SPRING WHEAT % HARVESTED		
	1985	1984	AVG.
IDAHO	84	67	74
MINN	62	97	95
MONT	90	95	85
N D	75	100	90
S DAK	91	100	99
5 STATES	78	98	91

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

	COTTON % BOLLS OPENING		
	1985	1984	AVG.
ALA	56	28	28
ARIZ	75	75	60
ARK	53	25	41
CALIF	75	70	65
GA	43	32	53
LA	77	32	46
MISS	60	38	63
MO	25	67	52
N MEX	40	50	38
N C	65	57	60
OKLA	20	15	5
S C	72	48	62
TENN	55	15	25
TEX	26	17	24
14 STATES	44	31	37

THESE 14 STATES PRODUCED 100%
OF THE 1984 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: Scattered showers frequent. Most amounts under 0.50 in. Temperatures averaged 3° above normal over north, near normal over south.

Fieldwork 5.5. days. Soil moisture 10% short, 90% adequate. Corn harvested 65%, 44% 1984, 56% avg.; 14% poor, 31% fair, 45% good, 10% excellent. Soybeans setting pods 93%, 87% 1984, 94% avg.; turning color 22%, 10% 1984, 23% avg.; leaves dropping 4%, 5% 1984, 8% avg.; 2% poor, 27% fair, 65% good, 6% excellent. Cotton bolls open 56%, 28% 1984, 28% avg.; 12% fair, 76% good, 12% excellent. Sorghum harvested 36%, 24% 1984; 35% fair, 61% good, 4% excellent. Peanuts dug 15%, 11% 1984, 10% avg.; combined 7%; 20% fair, 80% good. Pastures 17% fair, 77% good, 6% excellent. Livestock 16% fair, 78% good, 6% excellent. Extensive damage to pecan orchards in Mobile, Baldwin Counties due to Hurricane Elena. Primary activities: Harvesting corn, sorghum, hay, peanuts; defoliating cotton, spraying for boll weevils; applying fungicides to peanuts; preparing land, planting winter grazing crops; repairing farm machinery.

ALASKA: Rain, cool temperatures continued in northern areas of Railbelt while sunny skies prevailed, southern areas. Temperatures ranged 2° above normal to 8° below normal. Precipitation ranged 0.31 to 1.59 in.

Up to 5.0 days available, some areas. Topsoil moisture 56% adequate, 44% surplus. Subsoil 75% adequate, 25% surplus. Grain, hay harvest delayed wet conditions, north areas. Barley grain 35% ripe; 10% swathed. Some light lodging occurred, small grains. Vegetable harvest continued. Commercial potato harvest underway.

ARIZONA: Much cooler, dryer, fall like weather, midweek. Minimum temperatures lower 30's high country, lower 40's 5,000 ft., 60's lower desert. Precipitation amounts ranged from traces to 0.50 in. Average temperatures mostly 5 to 15° cooler than previous week; 2 to 6° below seasonal normals.

Cotton 77% good, 23% excellent; open bolls 75%,

75% 1984, 60% avg. Insect infestations about normal. Weed infestations light to moderate. Growers in west preparing for harvest with termination of irrigation. Defoliant spraying light. Harvest in central areas should begin limited scale in two weeks. Alfalfa harvest moderate, stands good. Sales slow, prices holding steady. Growers stacking much of current production. Growers west into seventh cutting. Sorghum good. Most acreage headed out, much of crop turning color. Some harvesting took place. Sesame harvest in full swing, good yields reported. Peanuts made good progress. Lemon harvest continued Yuma, should spread to central areas in two weeks. Volume moderate, fruit quality good. Other citrus varieties sizing, developing well. Groves good condition. Apples packed Willcox area. Fall melons developing well. Cauliflower harvest will begin soon limited scale, Yuma County. Cauliflower planting, land preparation for other fall, winter vegetables continued.

ARKANSAS: Temperatures 2° below normal to 7° above normal. Locally heavy downpours. Temperature extremes 61°; 102°. Precipitation 0.01 to 9.44 in.

Days suitable for fieldwork 5.0. Soil moisture 51% short, 43% adequate, 6% surplus. Cotton bolls 53% opening, 25% 1984, 41% avg. Cotton 9% fair, 58% good, 33% excellent. Winter wheat none planted, none 1984, none avg. Rice 98% headed, 94% 1984, 95% avg. Rice 14% harvested, 5% 1984, 8% avg. Rice 2% fair, 93% good, 5% excellent. Sorghum 98% headed; 85% coloring; 64% mature. Sorghum 33% fair, 66% good, 1% excellent. Soybeans 86% setting pods, 86% 1984, 83% avg. Soybeans 1% dropping leaves, none 1984, 9% avg. Soybeans 2% poor, 31% fair, 67% good.

CALIFORNIA: Cool temperatures slowed cotton maturity; 75% open bolls, 70% 1984, 85% avg. Pest control, final irrigation continued. Rice slowed by cool weather, 80% headed, 100% 1984, 89% avg.; none harvested, 1% 1984, none avg. First fields

cut, many drained. Dry beans cut windrowed. Corn harvested for grain, silage. Alfalfa quality improved. Safflower harvested. Sugarbeets harvested; good sugar, fair yields. Apple pack continued. Red, Golden delicious main varieties. Fig crop damaged by recent rain. Raisin grape harvest continued, 80% on trays. Recent showers slowed table grape harvest. Wine grape harvest continued to gain momentum. Cling peach, nectarine, and plum harvest all neared completion. Bartlett pear harvest completed, excellent quality, sizes. Valencia harvest slowed due to poor damage. Summer grapefruit, desert lemon harvests continued. Almond harvest in early varieties. Growers concerned over cool, wet weather. Walnut growers prepared orchards for harvest. Broccoli moderate supply; planting all producing areas. Brussels sprouts harvest light. Cantaloup harvest active San Joaquin Valley, west Riverside. Fall desert fields setting fruit. Cauliflower harvest light to moderate. Sweet corn, cucumber harvest active San Joaquin Valley, central coast. Lettuce fairly heavy supply central coast. Planting continued Palo Verde Valley, San Joaquin Valley fields emerged. Potato harvest slow west Riverside. Frost Tulelake-Butte Valley caused sprinkling by some potato growers. Light digging sweetpotatoes started. Processing tomato harvest winding down fast, Fresno County. Harvest active Sacramento, north San Joaquin Valleys, central coast. Fire danger continued problem most districts due dry range conditions. Supplemental feeding remained heavy. Movement livestock winter pastures increased.

COLORADO: Scattered showers. Average temperatures 3 to 7° above normal.

Days suitable for fieldwork 5.5. Soil moisture 36% short, 64% adequate. Winter wheat 23% seeded, 20% 1984, 26% avg.; 7% emerged, 4% 1984, 4% avg. Corn 27% good, 73% excellent; 94% dough, 92% 1984, 89% avg.; 63% dented, 70% 1984, 58% avg.; 5% mature, 14% 1984, 8% avg. Barley 90% harvested, 84% 1984, 87% avg. Sorghum 94% headed, 95% 1984, 94% avg.; 30% turning color, 53% 1984, 45% avg. Dry beans 46% cut, 41% 1984, 34% avg.; 14% threshed, 26% 1984, 14% avg. Range feed, livestock good.

FLORIDA: Routine summer weather prevailed statewide with scattered mainly afternoon, evening thundershowers except for few night and morning showers, southeast coast. Rainfall amounts averaged near 1.00 in. statewide. Temperatures averaged near late summer normals.

Soil moisture adequate inland, surplus coastal and low areas. Hay, peanut, grain sorghum harvesting behind schedule because of daily rains. Damage from Hurricane Elena much less than expected. Pecans suffered most, heavy loss some areas. Peanut harvest full swing. Soybeans making good progress, early beans maturing. Hay harvest active between showers. Sugarcane, cotton in good condition. Forage growth continued heavy as result of earlier rains and from showers during week. Pastures mostly good to excellent statewide. Army worms, other pests increasing some areas. Cattle, calves generally good condition. Afternoon rains, hot temperatures continued in citrus growing areas. New growth abundant. White, colored grapefruit picked this week; none shipped to date. Orange harvest scheduled by mid-September. Caretakers active all areas cutting cover crops; spraying, cleaning ditches. Hot days, warm nights with afternoon thundershowers in vegetable areas. Fieldwork active. Planting, transplanting increasing for tomatoes, squash, cucumbers, eggplant, peppers, lettuce, cabbage, celery. Some replanting resulting from Hurricane Elena. Land preparation for other fall vegetables continued active.

GEORGIA: Hot week with temperatures 2 to 40 above normal north, 1 to 30 above normal south. Daily maximum temperatures of 90 to 95° central, south. Rain totals mostly under 1.00 in., local totals to 2.00 in. Carrollton 2.58 in. one of heaviest totals. Several stations reported less than 0.50 in. rain, less than 0.25 in. common east.

Days suitable for fieldwork 5.2. Soil moisture 15% short, 74% adequate, 11% surplus. Main activities: Haying; harvesting corn, cotton tobacco; digging and threshing peanuts; spraying for insects, disease, weed control. Corn 99% mature, 97% 1984, 98% avg.; 65% harvested, 62% 1984, 74% avg.; 1% very poor, 4% poor, 35% fair, 53% good, 7% excellent. Cotton 43% bolls open, 32% 1984, 53% avg.; 1% harvested, none 1984, 65% avg.; 2% very poor, 2% poor, 35% fair, 60% good, 1% excellent. Grain sorghum 1% poor, 28% fair, 65% good, 6% excellent. Peanuts 23% duq, 13% 1984, 21% avg.; 9% threshed, 6% 1984, 10% avg.; 15% fair, 81% good, 4% excellent. Soybeans 99% blooming, 98% 1984, 98% avg.; 93% setting pods, 93% 1984, 92% avg.; 8% dropping leaves, 6% 1984, 13% avg.; 1% poor, 14% fair, 78% good, 7% excellent. Tobacco 96% harvested, 97% 1984, 98% avg.; 59% fair, 41% good. Wheat 1% planted, 2% 1984, 1% avg. Rye 1% planted, 2% 1984, 1% avg. Other small grains none planted, 1% 1984, 3% avg. Apples 46% harvested, 70% 1984, 74% avg.; 3% poor, 34% fair, 58% good, 5% excellent. Pecans 9% poor, 44% fair, 46% good, 1% excellent. Pastures 1% poor, 14% fair, 79% good, 6% excellent. Hay 2% poor, 25% fair, 70% good, 3% excellent. Cattle 1% poor, 17% fair, 80% good, 2% excellent. Hogs 19% fair, 79% good, 2% excellent.

HAWAII: Weather mostly favorable toward crop development as temperatures continued near 90's with trade winds of 10 to 20 mph. Several storm systems formed east of islands but had little affect on week's weather. Closest, Pauline, enacted a hurricane watch for Hawaii Island but later changed course, moved northward and lost energy. Skies mostly sunny with light showers falling on isolated crop growing areas. Head cabbage supplies anticipated to be steady. Head lettuce output expected to decline. Weather favorable toward fruit, orchard crops. Papaya supplies light.

IDAHO: Upper level disturbance moved across State 31st, 1st bringing light amounts of precipitation to all areas except southeast where relatively heavy precipitation reported. Rest of week relatively dry until 6th when north, southwest reported light precipitation. Temperatures 2 to 4° below normal except southeast few stations averaged slightly above normal.

Days suitable for fieldwork 5.0. Winter wheat 98% harvested, 84% 1984, 88% avg.; 7% planted, 7% 1984, 8% avg. Spring wheat 84% harvested, 67% 1984, 74% avg. Barley 83% harvested, 63% 1984, 72% avg. Oats 90% harvested. Potatoes 17% not yet turning color; 63% turning; 17% vines dying or killed, 3% harvested; 85% good, 15% excellent. Alfalfa second cutting 96% cut, 88% 1984, 91% avg.; third cutting 20%, 4% 1984, 14% avg. Dry beans 30% harvested, 4% 1984, 12% avg. Onions 44% harvested, 20% 1984, 26% avg. Sweet corn for processing 73% picked, 80% 1984, 75% avg. Mint 95% harvested. Peaches 62% picked. Sugarbeets, field corn good to excellent. Livestock good. Range, pastures improving.

ILLINOIS: Temperatures 9 to 12° above normal north, central; 6° to 8° above normal south. Precipitation none to 2.45 in.; heaviest northeast. West, south central little or no precipitation.

Days suitable for fieldwork 6.0. Soil moisture 19% short, 75% adequate, 6% surplus. Corn dough

stage 100%, 100% 1984, 100% avg.; dented 90%, 86% 1984, 87% avg.; mature 25%, 21% 1984, 35% avg.; 6% fair, 61% good, 33% excellent. Soybeans setting pods 100%, 100% 1984, 100% avg.; turning yellow 44%, 43% 1984, 44% avg.; shedding leaves 15%, 17% 1984, 19% avg.; 4% fair, 65% good, 31% excellent. Winter wheat planted none, none 1984, none avg. Alfalfa third crop cut 88%, 89% 1984, 83% avg.; 2% poor, 8% fair, 70% good, 20% excellent. Sorghum 12% fair, 66% good, 22% excellent. Pasture 5% poor, 16% fair, 55% good, 24% excellent.

INDIANA: High temperatures, 5 to 100 above normal. Readings in low 90's. Lows in upper 60's to low 70's, averaged 10 to 15 above normal. Rainfall near 1.00 in. north to none south, east.

Fieldwork averaged 6.1 days. Topsoil moisture 15% short, 84% adequate, 1% surplus. Subsoil moisture 15% short, 85% adequate. Corn 30% mature, 20% 1984, 20% avg. Corn 95% dented, 80% 1984, 75% avg. Corn 100% in dough, 100% 1984, 98% avg. Corn 1% poor, 18% fair, 70% good, 11% excellent. Soybeans 10% dropping leaves, 8% 1984, 8% avg. Soybeans 40% turning yellow, 45% 1984, 40% avg. Soybeans 1% poor, 10% fair, 77% good, 12% excellent. Wheat land 22% plowed, 25% 1984, 30% avg. Winter wheat none planted, none 1984, none avg. Tobacco 45% harvested, 25% 1984, 30% avg. Silos 20% filled, 20% 1984, 20% avg.

IOWA: Temperatures averaged 13 to 140 above normal. Hottest 980 on 6th. Moderate to heavy rain north diminishing southward to little or none south, east central. Heaviest rain 5.40 in. on 4th, 5th.

Days suitable for fieldwork 5.1. Topsoil moisture 27% short, 56% adequate, 17% surplus. Subsoil moisture 39% short, 55% adequate, 6% surplus. Corn dough stage 97%, 93% 1984, 93% avg. Corn dented 72%, 76% 1984, 72% avg. Corn mature 15%, 18% 1984, 23% avg. Corn 2% poor, 16% fair, 61% good, 21% excellent. Soybeans setting pods 100%, 100% 1984, 100% avg. Soybeans dropping leaves 13%, 13% 1984, 11% avg. Soybeans 2% poor, 15% fair, 66% good, 17% excellent. Third crop alfalfa hay harvested 80%, 74% 1984, 76% avg. Hay 5% poor, 29% fair, 55% good, 11% excellent. Pastures 2% very poor, 10% poor, 40% fair, 41% good, 7% excellent. Livestock good condition.

KANSAS: Precipitation light, spotty, average 0.30 in. northwest, 0.10 in. elsewhere with nearly two-thirds of stations receiving none. Temperatures averaged 770 northwest, 860 south central, 81 to 850 elsewhere. Temperatures averaged to 130 above normal.

Days suitable for fieldwork 6.5. Topsoil moisture 42% short, 58% adequate. Wheat 5% seeded, 3% 1984, 4% avg. Sorghum 97% headed, 90% 1984, 90% avg. Sorghum 40% coloring, 45% 1984, 40% avg. Sorghum 5% mature, 10% 1984, 5% avg. Greenbugs controlled by spraying, parasitic wasps. Some corn earworm infestation on sorghum. Corn 98% dough, 98% 1984, 95% avg. Corn 80% dent, 75% 1984, 70% avg. Corn 35% mature, 40% 1984, 30% avg. Soybeans 95% podding, 95% 1984, 90% avg. Soybeans 15% dropping leaves, 20% 1984, 10% avg. Haying, silage cutting, fertilizing, preparing wheat seedbed and planting wheat.

KENTUCKY: Remains Hurricane Elena dumped 7.50 in. rain extreme western State on 5th. Amounts averaged 1.00 to 2.00 in. over rest of west with scattered amounts of 0.50 in. or less central, east. Temperatures above normal, afternoon highs averaged lower 90's with low temperatures upper 50's to mid 60's. Four inch soil temperatures averaged upper 70's to lower 80's.

Days suitable fieldwork 4.7. Soil moisture 5% short, 80% adequate, 15% surplus. Corn 90% dented or beyond, 87% 1984, 85% avg. Corn 38% mature,

29% 1984, 34% avg.; 5% harvested. Early fields yielding very well, moisture content still above 25% most fields. Soybeans 86% setting pods, 85% 1984, 90% avg.; dropping leaves or mature 13%, 10% 1984, 13% avg. Soybeans 1% poor, 11% fair, 69% good, 19% excellent. Water, mud damage in heaviest rain areas. Overall late bean prospects good. Burley 65% cut, 50% 1984, 50% avg. Most burley big, heavy, of good quality. Heat, high humidity causing sweating, some houseburn. Pastures 8% fair, 59% good, 33% excellent. Winter hay supplies expected to be adequate.

LOUISIANA: Temperatures averaged normal to 40 above normal. Temperature extremes 660; 1020. Rain totals averaged 0.48 to 4.47.

Days suitable for fieldwork 2.5. Soil moisture 9% short, 23% adequate, 68% surplus. Cotton 15% very poor, 2% poor, 59% fair, 24% good; 77% open bolls, 32% 1984, 46% avg. Cotton 4% harvested, none 1984, 2% avg. Rice 41% fair, 53% good, 6% excellent; 99% headed, 99% 1984, 98% avg. Rice 87% ripe, 81% 1984, 84% avg.; 69% harvested, 72% 1984, 74% avg. Soybeans 6% poor, 28% fair, 61% good, 5% excellent; 99% blooming, 100% 1984, 99% avg. Soybeans 95% setting pods, 98% 1984, 94% avg.; 15% leaves turning, 19% 1984, 21% avg. Sorghum 3% poor, 44% fair, 43% good, 10% excellent; 99% turning color, 98% 1984, 93% avg. Sorghum 93% ripe, 85% 1984, 79% avg.; 73% harvested, 84% 1984, 62% avg. Corn fair to good; 89% harvested, 71% 1984, 79% avg. Sweetpotatoes fair to good; 45% harvested, 42% 1984, 40% avg. Hay final cutting 63% complete, 58% 1984, 45% avg. Sugarcane fair to good; 7% planted, 15% 1984, 23% avg. Pastures, livestock fair to good; vegetables fair.

MARYLAND & DELAWARE: Maryland: Weather hot, dry. Temperatures 3 to 60 above normal; highs mostly mid 90's; lows, recorded early in week, mid 50's to low 60's. Precipitation 0.13 in. ranging from none to 0.81 in.

Fieldwork 6.8 days suitable. Topsoil, subsoil moisture ranged from short to adequate throughout State depending on soil type, showers received. Corn condition fell to fair east of bay but remained good west of bay. Corn 95% dough, 95% 1984, 95% avg. Corn 90% dented, 65% 1984, 75% avg. Corn 35% mature, 13% 1984, 30% avg. Corn silage harvested 40%, 50% 1984, 45% avg. Corn for grain harvested, 6%, 3% 1984, 3% avg. Soybean condition fell to fair on eastern shore but remained good elsewhere. Soybeans podded 90%, 85% 1984, 90% avg. Soybeans turned 15%, 20% 1984, 20% avg. Tobacco 95% topped. Tobacco harvested 65%, 70% 1984, 70% avg. Apples harvested 35%, 35% 1984, 30% avg. Peaches harvested 100%, 95% 1984, 95% avg. Few fields of watermelon, cantaloupes remained. Fourth cutting of alfalfa hay 35% complete, 25% 1984, 35% avg. Third cutting other hay 100% complete, 90% 1984, 80% avg. Fourth cutting other hay 40% complete.

Delaware: Weather, hot with scattered showers. Temperatures 3 to 60 above normal highs low to mid 90's; lows high 50's to mid 60's. Precipitation averaged 0.52 in. ranging from zero to 1.30 in.

Fieldwork 7.0 days suitable. Topsoil, subsoil moisture short to adequate. Corn fair to good. Corn 100% dough, 100% 1984, 95% avg. Corn 85% dented, 85% 1984, 80% avg. Corn 35% mature, 20% 1984, 30% avg. Corn silage harvested 35%, 20% 1984, 25% avg. Corn for grain harvested 6%, 5% 1984, 5% avg. Soybeans good. Soybeans 90% podded, 95% 1984, 95% avg. Soybeans 20% turned, 5% 1984, 15% avg.

MICHIGAN: Temperatures averaged 80 above normal.

Days suitable for fieldwork 3.1. Rains hampered fieldwork, soil moisture 11% short, 30% adequate

59% surplus. Corn 95% dough, 95% 1984, 99% avg.; 40% denting, 60% 1984, 63% avg.; 5% mature, 15% 1984, 12% avg. Corn 5% poor, 20% fair, 50% good, 25% excellent. Winter wheat none planted, none 1984, none avg. Soybeans 100% setting pods, 100% 1984, 100% avg. Soybeans 5% dropping leaves, 15% 1984, 12% avg. Soybeans 5% poor, 20% fair, 55% good, 20% excellent. Dry bean harvest at standstill, concern mounting due deterioration, disease. Fruit, vegetable harvest hampered by excessive moisture. Peach, pear picking ending. Plum, apple harvest continued.

MINNESOTA: Cool, wet early week; hot, humid, weekend, especially south. Temperatures averaged 1 to 3° above normal northern third, 4 to 11° above normal elsewhere. Temperature extremes 36°; 94°. Precipitation averaged 0.11 to 2.97 in. above normal. Greatest weekly total 6.27 in.

Days suitable for fieldwork 1.3. Topsoil moisture 31% adequate, 69% surplus. Corn 95% dough, 98% 1984, 97% avg.; 58% dent, 78% 1984, 71% avg.; 5% mature, 12% 1984, 10% avg.; 2% very poor, 12% poor, 37% fair, 41% good, 8% excellent. Soybeans 42% turning yellow, 65% 1984, 58% avg.; 5% dropping leaves, 14% 1984, 15% avg.; none mature, none 1984, 1% avg.; 3% very poor, 6% poor, 39% fair, 44% good, 8% excellent. Spring wheat 62% harvested, 97% 1984, 95% avg. Oats 90% harvested, 99% 1984, 98% avg. Barley 82% harvested, 99% 1984, 98% avg. Sunflowers 56% dropping ray petals, 89% 1984, 86% avg.; 21% bracts turning yellow, 64% 1984, 58% avg.; 3% bracts turning brown, 20% 1984, 25% avg. Potatoes 13% harvested, 18% 1984, 15% avg.

MISSISSIPPI: Hurricane Elena hit State's coast on 3rd. Temperatures averaged 2 to 5° above normal. Extremes 61°; 95°. Greatest 24-hour rainfall 3.53 in. Bay St. Louis.

Fieldwork 3.5 days suitable, 5.5. 1984, 5.9 avg. Soybeans 96% podding, 84% 1984, 89% avg.; 6% dropping leaves, 9% avg.; 4% poor, 14% fair, 73% good, 9% excellent. Cotton 60% open bolls, 38% 1984, 63% avg.; 1% harvested; 6% poor, 7% fair, 80% good, 7% excellent. Rice 100% headed, 99% 1984, 97% avg.; 22% harvested, 7% 1984, 12% avg.; 100% good. Grain sorghum 91% ripe, 74% 1984; 33% harvested, 21% 1984, 26% avg.; 38% fair, 62% good. Corn 97% mature, 72% 1984, 85% avg.; 39% harvested, 25% 1984, 30% avg.; 11% poor, 22% fair, 50% good, 17% excellent. Corn silage 84% harvested, 78% 1984. Sorghum silage 82% harvested, 51% 1984. Sweetpotatoes 27% harvested, 19% 1984, 18% avg. Peanuts 40% harvested, 34% 1984. Watermelons 89% harvested, 94% 1984. Hay 78% harvested, 80% 1984, 85% avg. Pasture 5% poor, 16% fair, 68% good, 11% excellent.

MISSOURI: Temperatures averaged 8° above normal. Precipitation nearly 1.00 in. Bootheel, 2.00 in. extreme south central, none in north and extreme west.

Days suitable for fieldwork 5.7. Topsoil moisture 9% short, 87% adequate, 4% surplus. Corn 13% fair, 67% good, 20% excellent. Corn dough 100%, 97% 1984, 97% avg.; dent 97%, 91% 1984, 88% avg.; mature 74%, 37% 1984, 40% avg.; harvested 7%, 7% 1984, 9% avg. Soybeans 2% poor, 12% fair, 68% good, 18% excellent. Soybeans setting pods 100%, 94% 1984, 88% avg.; turning color 16%, 29% 1984, 20% avg.; dropping leaves 3%, 12% 1984, 11% avg. Grain sorghum 2% poor, 14% fair, 69% good, 15% excellent; heading 99%, 97% 1984, 92% avg.; coloring 75%, 77% 1984, 72% avg.; mature 44%, 49% 1984, 38% avg. Harvested 10%, 8% 1984, 10% avg. Cotton 9% poor, 36% fair, 55% good. Bolls open 25%, 67% 1984, 52% avg. Third crop alfalfa 91% cut. Fourth crop 23% cut. Pasture 4% poor, 21% fair, 62% good, 13% excellent.

MONTANA: Good rain of 1.00 in. or more over west, north central, parts of central area late in week. About 0.50 in. over southwest; while rest of State received none to 0.25 in. Heavy snow in mountains along front range of Rockies extending down to Foothills on east slopes. Mild first of week but much cooler by weekend. Maximum temperatures in 30s, 40s on 6th in north central, central areas. Temperatures ranged from 7 to 12° below normal in north central, 3° above normal in southeast. Elsewhere temperatures 2 to 5° below normal.

Days suitable for fieldwork 5.7. Topsoil moisture 41% short, 59% adequate. Subsoil moisture 79% short, 21% adequate. Crop progress: Spring wheat harvested 90%, 95% 1984, 85% avg.; barley harvested 90%, 95% 1984, 80% avg.; oats harvested 90%, 95% 1984, 85% avg. Corn for silage 10%, 10% 1984, 10% avg. Dry beans 5%, 25% 1984, 15% avg. Alfalfa hay second cutting 90%, 85% 1984, 80% avg. Winter wheat planted 15%, 5% 1984, 5% avg. Sugarbeet harvest expected to start September 27th. Livestock moved from summer ranges. Cattle and calves 45%, 35% 1984, 20% avg.; sheep and lambs 45%, 35% 1984, 20% avg.

NEBRASKA: Hot with scattered showers, thunderstorms. Temperatures averaged 5° above normal west 12° above normal east. Precipitation ranged from 0.50 in. north central to 1.40 in. central.

Days suitable fieldwork 5.5. Topsoil moisture 25% short, 68% adequate, 7% surplus. Subsoil moisture 25% short, 73% adequate, 2% surplus. All corn 4% fair, 71% good, 25% excellent. Irrigated corn 4% fair, 71% good, 25% excellent. Non-irrigated corn 2% poor, 3% fair, 70% good, 25% excellent. Corn dough 99%, 97% 1984, 94% avg. Corn dent 70%, 65% 1984, 65% avg. Corn mature 3%, 8% 1984, 9% avg. Soybeans 3% fair, 82% good, 15% excellent. Soybeans setting pods 100%, 99% 1984, 100% avg. Soybean leaves turning color 30%, 15% 1984, 25% avg. Soybeans dropping leaves 3%, 3% 1984, 5% avg. Sorghum 7% fair, 82% good, 11% excellent. Sorghum headed 100%, 97% 1984, 100% avg. Sorghum coloring 55%, 55% 1984, 60% avg. Sorghum mature 3%, 3% 1984, 6% avg. Wheat planted 10, 15% 1984, 15% avg.

NEVADA: Temperatures dipped below normal all areas except northeast, bringing to end usual warm, dry weather of summer. Cooler air also brought rain to all sections. Thunderstorms, showers brought significant rain totals to northwest. First snow of season accumulated in Sierras end of period. Russet potato digging gained momentum main production areas. Rain last half of week halted operations potatoes, alfalfa seed and remaining acreages vegetables, hay, and small grains.

NEW ENGLAND: Rainfall in region quite variable. Below normal of less than 1.00 in. for northern Maine, northern New Hampshire, central and northeast Massachusetts and south coastal areas of Rhode Island, Connecticut. All other areas of region above normal amounts averaged 1.00 to 2.00 in. Mean temperatures above normal except northern Maine. Average temperatures northern Maine, mid 50's elsewhere 65 to 75° north to south.

Days suitable for fieldwork 5.3. Soil moisture 44% short, 56% adequate north; 50% adequate, 50% surplus south. Fieldwork slowed, second crop hay 85% cut, third crop hay 48% cut. Quality good to excellent. Field corn 50% good, 50% excellent. Corn silage harvest 5%; sweet corn 78% harvested in southern States; quality good to excellent all areas. Maine potato crop good. Maine potato harvest just beginning.

NEW JERSEY: Temperatures averaged 10° above normal. Extremes 46°; 96°. Weekly rainfall averaged 0.50 in. north, 0.07 in. central, 0.34 in. south. Heaviest 24-hour total, 0.88 in. on 8th, 9th. Estimated soil moisture, in percent of field capacity, averaged 68% north, 44% central, 34% south. Four inch soil temperatures averaged 71° north, 74° central, 76° south.

Hot weather advancing maturity of fall crops. Isolated heavy downpours occurred over weekend. Light harvest of summer vegetables continued. Irish potato harvest continued active. Sweetpotato movement light. Peach marketing continued from storage. Harvest of fall variety apples general. Hay, corn silage making active. Hot weather browning pastures.

NEW MEXICO: Average temperatures above normal east, below normal west. Temperatures 30°, northern mountains to 99° southeastern Plains. Rainfall over most areas. Precipitation none northwestern Plateau, western mountains to 1.19 in. northern mountains.

Days suitable for fieldwork 6.5. Soil moisture 46% short, 54% adequate. Hail damage 75% none, 25% light. Alfalfa 27% fair, 73% good. Cotton 14% fair, 86% good; 40% open bolls, 50% 1984, 38% avg. Corn 11% fair, 78% good, 11% excellent. Barley 33% fair, 67% good. Irrigated wheat 34% fair, 33% good, 33% excellent. Dryland wheat 50% poor, 50% good. Irrigated grain sorghum 17% fair, 83% good. Dryland grain sorghum 50% poor, 50% good. Pecans 33% fair, 67% good. Apples 50% fair, 50% good. Chile 100% good. Onions 100% harvested. Lettuce 100% fair. Cattle 8% fair, 92% good. Sheep 11% fair, 89% good. Range 18% poor, 18% fair, 55% good, 9% excellent.

NEW YORK: Week began with seasonable temperatures, followed by warm, humid weather. High temperatures reached 80's in western areas on 3rd, spread throughout State on 4th. Temperatures 90° or better southern State on 5th, 6th. Precipitation below normal around New York City, Long Island, little above normal western State, close to normal central State. Amounts well above normal northern areas close to 5.00 in. Newcomb, 2.00 to 3.00 in. northern mountains. Most of rain on 5th, 6th as low pressure waves moved east along a stationary front through northern part State.

Averaged 3.5 days suitable for fieldwork. Soil moisture mostly adequate. Corn condition variable. Corn needs heat to mature. Oat harvest near completion, 89% harvested, 84% 1984, 94% avg. Second cutting alfalfa hay 92% complete, 90% 1984. Third cutting alfalfa hay 34% complete, 32% 1984, 43% avg. Harvest of cabbage, cauliflower, onions, potatoes, tomatoes underway. Tydemann, Jonamac apples picked. Pastures fair.

NORTH CAROLINA: Temperatures 4 to 6° above normal statewide. Rainfall ranged from none to 0.95 in. across State.

Days suitable for fieldwork 6.3. Soil moisture 2% very short, 27% short, 69% adequate, 2% surplus. Tobacco 2% poor, 10% fair, 86% good, 2% excellent; flue-cured harvested 73%, 86% 1984, 84% avg. Burley harvested 40%, 32% 1984, 33% avg. Corn 8% poor, 24% fair, 59% good, 9% excellent; dent 100%, 91% 1984, 96% avg.; mature 94%, 81% 1984, 83% avg.; harvested for silage 60%, 46% 1984, 66% avg.; harvested for grain 25%, 16% 1984, 25% avg. Cotton 14% fair, 81% good, 5% excellent; open bolls 65%, 57% 1984, 60% avg. Peanuts 18% fair, 82% good. Soybeans 19% fair, 72% good, 9% excellent; flowered 96%, 89% 1984, 92% avg.; pods set 80%, 83% 1984, 79% avg. Grain sorghum 22% fair, 78% good; harvested 19%. Hay 22% fair, 73% good, 5% excellent. Sweetpotatoes 19% fair, 77% good, 4% excellent; harvested 11%, 4% 1984, 8% avg. Apples 37% poor, 50% fair, 13% good;

harvested 28%, 16% 1984, 26% avg. Pastures 34% fair, 60% good, 6% excellent. Major farm activities: Harvesting and marketing tobacco; cutting silage; spraying soybeans, scouting for weed insect control; harvesting hay; harvesting apples; preparing ground for planting; harvesting corn; digging sweetpotatoes; mowing and general farm maintenance.

NORTH DAKOTA: Warmer weather this week as most districts reported above normal temperatures. Average temperatures ranged from 10 below normal north central to nearly 40° southeast. Extremes 35° west central, 89° south central. Widely scattered showers continued. Precipitation ranged from 0.10 in. south central to 1.55 in. north east.

Topsoil, subsoil moisture continued well above last year, average. Topsoil 12% short, 80% adequate, 8% surplus statewide. Subsoil 30% short or very short, 68% adequate, 2% surplus. Spring, durum wheat harvest continued to lag normal; barley and oats near normal. Barley 93% combined, 100% 1984, 95% avg.; spring wheat 75% combined, 100% 1984, 90% avg.; durum 57% combined, 100% 1984, 84% avg. Late season crop development slower than normal. Sunflower 65% flowers dried and beyond, 93% 1984, 87% avg.; corn for grain 49% dented or beyond, 87% 1984, 78% avg. Soybeans 46% lower leaves yellowing and beyond, 100% 1984, 77% avg. Late season crops in mostly good condition, but need more sun, warmer weather. Sunflower 4% poor, 26% fair, 68% good, 2% excellent. Corn for grain 34% fair, 66% good.

OHIO: Highs averaged mid to upper 80's; and into 90's at nearly all stations at one time or another. Average highs 7 to 10° above normal. Lows averaged upper 60's to around 70, 10 to 15° above normal. Precipitation light; totals none over most State, except northwest several stations reported 1.00 in. plus on 8th.

Days suitable 7.0. Topsoil moisture 28% short, 72% adequate. Corn 4% fair, 65% good, 31% excellent; dough 100%, 95% 1984, 98% avg.; dented 85%, 70% 1984, 75% avg.; mature 25%, 20% 1984, 25% avg. Silage cut 20%, 10% 1984, 25% avg. Corn drying quickly as temperatures remain high. Soybeans 5% fair, 76% good, 19% excellent; setting pods 100%, 99% 1984, 95% avg.; dropping leaves 8%, 5% 1984, 10% avg. Numerous weeds will slow combining; make quality storage a problem - excess green matter. All hay good; alfalfa 3rd cut 85%, 80% 1984, 70% avg. Other hay 2nd cut 99%; 3rd cut 45%, 55% 1984. Hay curing hurt by high humidity. Tobacco cut 50%, 30% 1984, 35% avg; houseburn and curing problems due to weather. Pastures fair to good. Livestock stressed due to heat humidity.

OKLAHOMA: Temperatures averaged 5° above normal central to 11° above normal northeast. Precipitation averaged none north central, northeast, west central, south central to 0.33 in. southeast.

Days suitable for fieldwork 6.9. Topsoil moisture 85% short, 15% adequate. Subsoil moisture 35% short, 65% adequate. Hot, dry winds sapped soil moisture. Wheat 5% planted, 2% 1984, 5% avg. Early sown wheat emerging. Sorghum 97% headed, 100% 1984, 97% avg. Sorghum 90% coloring, 85% 1984, 70% avg. Sorghum 15% mature, 25% 1984, 20% avg. Sorghum over 5% harvested. Cotton 20% bolls opening, 15% 1984, 5% avg. Bollworm eggs, larvae abnormally heavy. Pastures deteriorating from heat, dryness. Cattle marketing average, prices lower.

OREGON: Cool temperatures statewide; all areas 3 to 5° below normal. Central coast, Cascades precipitation from 1.00 to 1.50 in.; up to 0.70 in. south central, area; nearly 0.50 in.

southwestern valleys, northeastern areas; from 0.10 to 0.40 in. remainder of State.

Soil moisture 98% short, 2% adequate. Winter wheat none planted, 2% 1984, 3% avg. Field preparation slow, growers waiting for moisture. Barley 92% harvested. Spring grain harvest continued in eastern high country. Red clover harvest continued Willamette Valley; yields below average. Seeding perennial ryegrass, tall fescue. Mint harvest completed in west; about 90% complete in central areas. Fourth hay cutting Hermiston; most other areas on third cut. Hop harvest continued Willamette Valley; good yields. Bartlett pear harvest very near finished. D'Anjou pear picking started Hood River, good size, some frost marking; Bosc, Comice pear picking started southwest. Red, Golden delicious apple picking Milton-Freewater, some windfalls. Peach crop nearly all harvested. Blackberry picking approached completion. Cleanup, training of other caneberrys progressed. Plum harvest continued Milton-Freewater; early prune harvest started in west. Cranberries coloring well, good crop conditions, some concern about water supplies for harvest. Klamath potato vine killing began for early Norgold harvest. Malheur processing potato harvest underway. Hermiston potatoes going directly to processing plants; also harvested fresh market varieties. Onion harvest continued; Willamette Valley crop field curing. Malheur harvest of storage onion crop began. Sweet corn harvest continued; earworm problems. Green bean harvest approaching completion. Livestock condition good. Cattle on mountain rangeland or harvested hay and grain fields. Range, pasture poor to fair. Recent rains did not aid grass growth materially.

PENNSYLVANIA: Temperatures averaged 74; 90 above normal. Average rainfall 0.17 in., 0.85 in. below normal.

Days suitable for fieldwork 6.0. Soil moisture 62% short, 38% adequate. Corn 3% poor, 17% fair, 40% good, 40% excellent. Soybeans 3% very poor, 5% poor, 19% fair, 39% good, 34% excellent. Tobacco 69% harvested, 67% 1984. Potatoes 59% harvested, 40% 1984. Corn 89% dough, 86% 1984; 54% dent, 32% 1984; 5% mature, 1% 1984. Second crop alfalfa harvest 99% complete, 96% 1984. Third cutting alfalfa 76% complete, 61% 1984. Second cutting clo-tim 91% harvested, 90% 1984. Quality of hay 4% poor, 36% fair, 60% good. Amount of feed being obtained from pastures 46% below avg., 54% avg. Apples 35% harvested; peaches 98% harvesting. Activities: Combining oats; harvesting potatoes, garden vegetables, tobacco, hay, corn silage, apples, peaches, pears; fall plowing.

PUERTO RICO: Island average rainfall 1.13 in., 0.71 in. below normal. Highest weekly total 4.56 in. Highest 24-hour total 3.86 in. Temperatures averaged about 82 to 83 on coasts and 77 to 79 interior divisions. Extreme 94; 630. Total rainfall 0.23 in., 1.17 below normal.

SOUTH CAROLINA: Sunny skies, afternoon highs in 90's. Considerable drying of soil. High pressure ridge dominant weather feature. Afternoon thunderstorms minimum over most of State, little or no rainfall. Few isolated thunderstorms.

Days available for field activities 5.4. Soil moisture 22% short, 76% adequate, 2% surplus. Soybeans 22% fair, 73% good, 5% excellent. Soybeans blooming 98%, 97% 1984, 97% avg.; 80% setting pods, 91% 1984, 86% avg. Cotton 78% fair, 22% good; 72% bolls open, 48% 1984, 62% avg. Corn fair to good; 49% harvested, 54% 1984, 56% avg. Tobacco good; 93% harvested, 98% 1984, 94% avg.; 21% stalks destroyed, 45% 1984. Apples fair to good; 41% harvested, 53% 1984, 42% avg. Pastures, hay good.

SOUTH DAKOTA: Average temperatures ranged 10 below to 90 above normal. Extremes 44; 100. Black Hills low 320. Precipitation above normal east central and northeast, generally 1.00 to 3.00 in. West, extreme south dry.

Days suitable for fieldwork 2.9. Topsoil moisture short and critically short western half, adequate and surplus east and south central; 17% critically short, 22% short, 41% adequate, 20% surplus. Corn 1% very poor, 6% poor, 13% fair, 53% good, 27% excellent. Corn 75% dough, 82% 1984, 86% avg. Corn 37% dented, 54% 1984, 64% avg. Corn 10% mature, 13% 1984, 24% avg. Winter wheat 36% fair, 63% good, 1% excellent. Winter wheat 23% seeded, 21% 1984, 23% avg. Spring wheat 91% harvested, 100% 1984, 99% avg. Sorghum 3% very poor, 8% poor, 38% fair, 35% good, 16% excellent. Sorghum 95% headed, 95% 1984, 98% avg. Sorghum 38% coloring, 55% 1984, 60% avg. Sorghum 4% mature, 10% 1984, 11% avg. Soybeans 7% fair, 67% good, 26% excellent. Soybeans 98% podding, 90% 1984, 100% avg. Soybeans 16% dropping leaves, 18% 1984, 30% avg. Northeast experiencing problem with small grains sprouting in windrows.

TENNESSEE: Precipitation less than normal middle and east, above normal west. Temperatures averaged 2 to 60 above normal.

Farmers averaged 5.0 days suitable for fieldwork. Soil moisture 17% short, 74% adequate, 9% surplus. Crop in east benefit from remnants of Elena, middle and east remain in mostly good condition. Corn 60% mature, 30% 1984, 45% avg.; 10% harvested, 4% 1984, 6% avg.; 4% poor, 9% fair, 57% good, 30% excellent. Cotton 55% bolls open, 15% 1984, 25% avg.; 11% fair, 67% good, 22% excellent. Sorghum 91% colored; 55% ripe; 12% harvested grain; 4% poor, 2% fair, 81% good, 13% excellent. Soybeans 95% setting pods, 96% 1984, 92% avg.; 7% shedding leaves, 3% 1984, 6% avg.; 4% very poor, 3% fair, 86% good, 7% excellent. Wheat 2% sown, 2% 1984, 3% avg. Tobacco burley 65% harvested, 55% 1984, 60% avg.; dark-fired 60% harvested, 55% 1984, 50% avg.; dark-air cured 60% harvested, 60% 1984, 55% avg.; 13% fair, 83% good, 4% excellent. Pastures 1% very poor, 3% poor, 26% fair, 51% good, 19% excellent.

TEXAS: Above normal temperatures persisted much of State. Thunderstorms triggered by upper level disturbance brought relief southeast, south central sections midweek. Afternoon heat showers restricted southeast late week. Below normal rainfall recorded most crop districts, despite heavy showers south central, Hill Country. Temperatures above normal Blacklands, east, south central, Panhandle.

Crops: Grain sorghum 98% headed, 98% 1984, 98% avg.; 84% turning color, 81% 1984, 80% avg.; 69% mature, 65% 1984, 68% avg.; 61% harvested for grain, 62% 1984, 65% avg. Condition 88% of normal, 65% 1984. Sorghum 1% poor, 18% fair, 69% good, 22% excellent. Fields High Plains mature rapidly. Dryland fields stressed, yields could be reduced. Headworms, spider mites invading some fields. Low Plains, Cross Timbers some early fields harvested, later fields maturing rapidly. Harvesting continued Edwards Plateau. Most activity completed remainder State. Record yields many areas. Corn 98% doughing; 91% dented; 72% mature; 59% harvested, 58% 1984, 51% avg. Condition 88% of normal, 69% 1984. Corn 1% poor, 21% fair, 54% good, 24% excellent. Fields continued drying rapidly Plains. Some early fields ready for harvest. Harvesting activities good progress east, Upper Coast. Harvesting virtually completed south, Coastal Bend, excellent yields. Cotton 100% setting bolls, 99% 1984, 100% avg.; 26% open bolls, 17% 1984, 24% avg.; 15% harvested, 10% 1984, 12% avg. Condition 81% of normal, 74% 1984. Cotton 1% poor, 33% fair, 57%

good, 9% excellent. Harvesting completed Valley, Coastal Bend, some ginning still going on. Harvesting continued east, central, Blacklands. Dryland fields Cross Timbers to Low Plains hurt by lack of moisture, continued shed small bolls, squares. Later fields stressing more heavily. Bolls continued open rapidly High Plains because hot, dry conditions. Bollworm problems slacked off. Irrigated fields remained good condition. Rice 99% headed, 100% 1984, 100% avg.; 94% turning color, 100% 1984, 100% avg.; 70% harvested, 95% 1984, 97% avg. Condition 96% of normal. Rice 7% fair, 55% good, 38% excellent. Harvesting continued Upper Coast, above average yields, quality. Peanuts 6% harvested, 1% 1984, 7% avg. Irrigated fields good progress. Most dryland fields stressed, some stands dying off. Harvesting continued south, Hill Country. Rainfall benefit many dryland fields. Soybeans 6% harvested, 2% 1984, 1% avg. Irrigated fields look good. Fields Upper Coast need rain to continue pods filling. Some defoliating later beans. Wheat 8% planted, 6% 1984, 7% avg. Other field crops sunflowers 7% harvested, none 1984, 4% avg. Oats 6% planted, none 1984, 2% avg.

Commercial Vegetables: Lower Rio Grande Valley, planting fall vegetables continued. Irrigation heavy tomatoes, peppers. High Plains, harvesting cucumbers, honeydew melons, peppers, carrots continued. East, sweetpotato harvest progressed rapidly, about half completed. Yields varied, depending amount moisture available. Trans-Pecos, cabbage harvest about complete. Chile harvest good progress. Pecan condition varied across State. Rainfall central region should slow down nut drop, which increased under dry conditions. Aphids, weevil continued cause problems. Prospects remain good.

Range and Livestock: Low prices, dry conditions plague producers many areas. Some areas, rain help grasses begin growing again. Limited supplemental feeding kept livestock good condition. Tanks, creeks started drying out some areas. Many herds being culled because lack of grazing. Rainfall desperately needed most areas State.

UTAH: Temperatures 2 to 60 above normal. All divisions precipitation with amounts ranging from 0.02 in. Uinta Basin to 0.57 in. north central.

Days suitable for fieldwork 5.9. Soil moisture generally short. Third cutting alfalfa, winter wheat seeding, fruit harvest, cleanup of small grain harvest major activities. Yields on small grains mostly average. Fall wheat seedings 24% complete. Dry bean, potato, onion harvests beginning. Third cutting hay 39% complete. Most pears, 67% of peaches harvested. Apple harvest slow, quality normal, yields average except north central low. Ranges dry, livestock good.

VIRGINIA: Unseasonably hot, humid. Temperatures ranged from low 70's to high 90's. Almost no rain.

Days suitable for fieldwork 6.0. Topsoil moisture 50% short, 48% adequate, 2% surplus. Hot, dry weather allowed harvest activities to progress quickly but depleted topsoil moisture. Corn good to excellent. Corn 86% in or beyond dent stage, 86% 1984, 89% avg. Corn 64% mature, 59% 1984, 70% avg. Grain corn 25% harvested, 14% 1984, 17% avg. Silage corn 30% harvested, 46% 1984, 50% avg. Yields vary widely, best in southeast. Soybeans good to excellent. Rain needed in some areas. Corn earworm problem declining. Soybeans 87% setting pods, 85% 1984. Peanuts good to excellent. Preparation for peanut harvest. Tobacco mostly excellent. Flue-cured harvest 48% complete, 62% 1984, 67% avg. Fire-cured tobacco harvest 72% complete, 75% 1984, 75% avg. Burley tobacco harvest 66% complete, 41% 1984, 51% avg. Small grain seeding began. Less

than 1% of wheat, oats, barley crop seeded. Hay, pastures good to excellent except northern tip of State. Harvest of third, fourth hay cutting active. Apple harvest active in all areas. Heat causing minor fruit drop, discoloration.

WASHINGTON: High pressure dominated Pacific northwest through 3rd until a frontal system brought in rain, low temperatures. Conditions remained cool, rainy remainder of week.

Days suitable for fieldwork 6.4. Soil moisture 36% poor, 64% adequate. Winter wheat seeded 23%, 26% 1984, 28% avg. Harvest continued for dry beans, potatoes. Underway for corn silage. Vegetable harvest full swing. Bartlett pear harvest complete. Anjou harvest just beginning. Golden delicious apple picking just underway. Blueberry harvest nearing completion. Livestock good. Range and pasture 82% short, 18% adequate; hay supplies 36% short, 64% adequate.

WEST VIRGINIA: Temperatures averaged 5 to 90 above normal. Low 51° at Weston, high 97° at Ripley. Average temperatures 75°. Precipitation well below normal. Most rainfall Williamson 0.38 in. Many stations recorded no precipitation. Weekly average 0.07 in.

Days worked 5.3. Soil moisture short to adequate. Harvesting hay general maintenance, gardening.

WISCONSIN: Average temperatures 8 to 13° above normal. Precipitation 1.40 to 4.20 in. north, 1.60 to 1.90 in. central, 2.30 to 2.50 in. south.

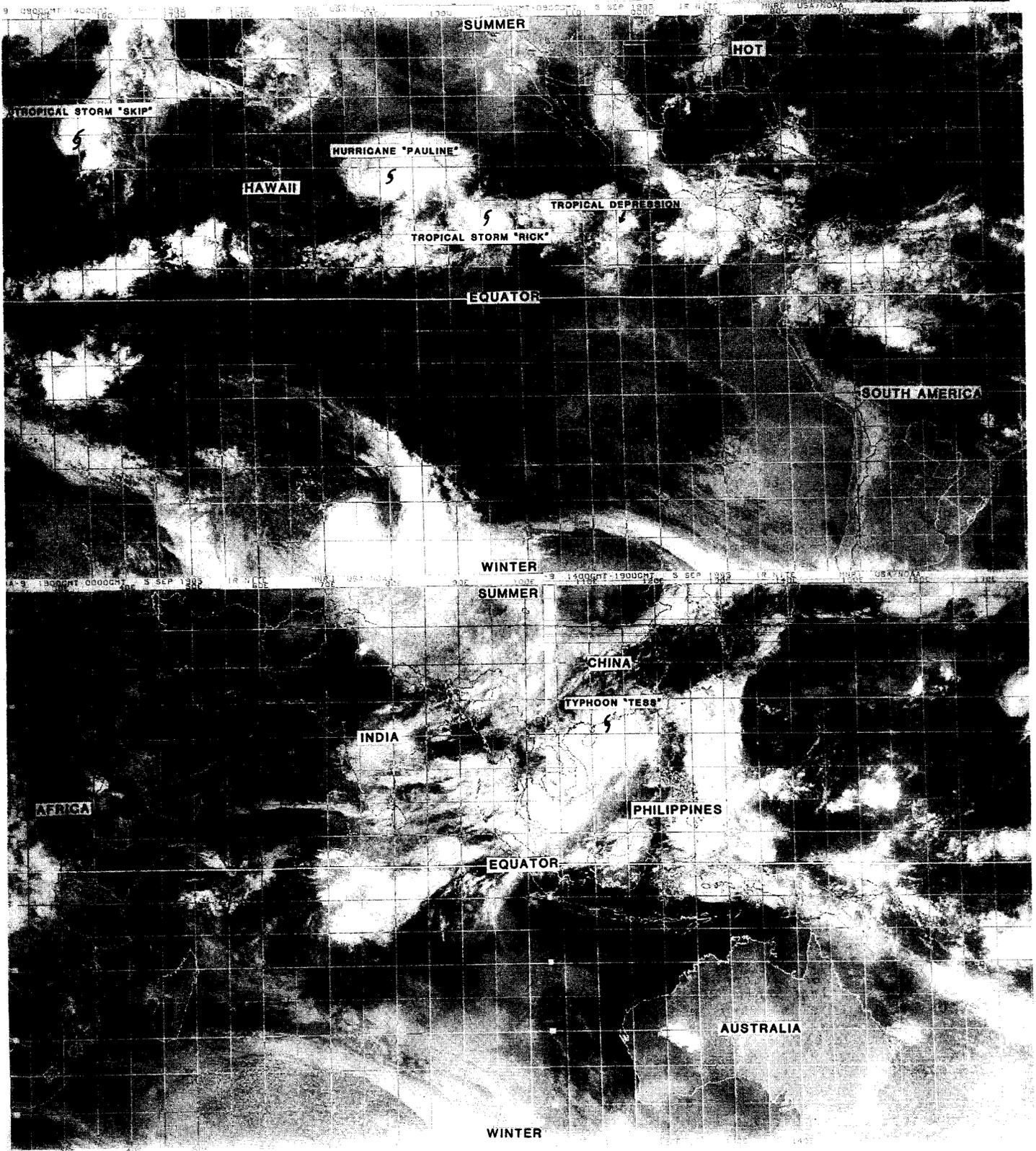
Days suitable for fieldwork 3.3. Soil moisture 8% short, 59% adequate, 33% surplus. General crop condition 2% very poor, 3% poor, 26% fair, 64% good, 5% excellent. Corn 2% very poor, 3% poor, 30% fair, 58% good, 7% excellent; dough 77%, 82% 1984, 80% avg.; dent 42%, 53% 1984, 47% avg.; mature 11%, 14% 1984, 17% avg. Second cutting hay 95% complete, 95% 1984, 97% avg.; third cutting hay 38% complete, 41% 1984, 34% avg.; little progress made due to poor drying conditions. Oat harvest 95% complete, 100% 1984, 98% avg. Soybeans turning 28%, 30% 1984, 28% avg. Silo filling 4% complete, 8% 1984, 4% avg. Pasture 82% of normal, 81% 1984, 84% avg.

WYOMING: Temperatures 2 to 7° above normal. Precipitation below normal with exception of few widely scattered localities.

Days suitable for fieldwork 7.0. Topsoil moisture 90% short, 10% adequate. Subsoil moisture 90% short, 10% adequate. Winter wheat planted 40, 40% 1984, 30% avg; emerged 10%, 5% 1984, 5% avg. Barley harvested 85%, 80% 1984, 80% avg. Spring wheat harvested 90%, 85% 1984, 80% avg. Oats harvested 75%, 70% 1984, 70% avg. Alfalfa second cutting complete 85%, 75% 1984, 75% avg.; third cutting 10% other hays harvested 95%, 90% 1984. Dry beans leaves turning color, 70%, 80% 1984; windrowed 30%, 45% 1984, 35% avg.; combined 10%, 15% 1984, 10% avg. Corn, milk stage 15%, 10% 1984, 20% avg.; dough 50%, 40% 1984, 45% avg.; dented 30%, 45% 1984, 30% avg.; mature 5%, 5% 1984, 5% avg. Sugarbeet harvest underway all areas by October 1. Potato harvest starting. Harvest prospects sugarbeets, corn for grain, potatoes fair to good. Livestock fair to good. Marketing, pregnancy testing, seeking winter feed.

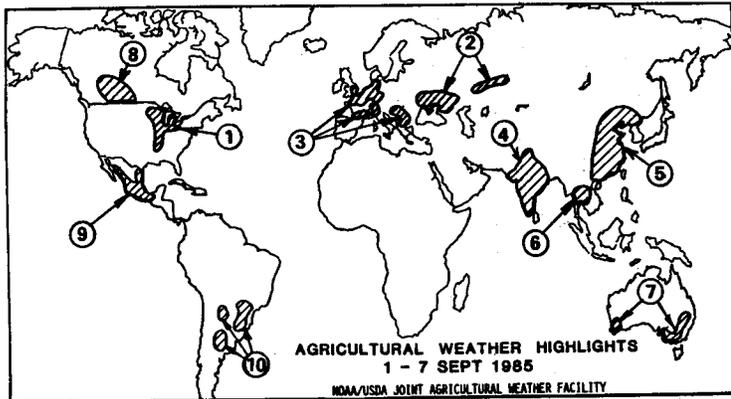
GLOBAL WEATHER SATELLITE PHOTO

Sept. 5, 1985



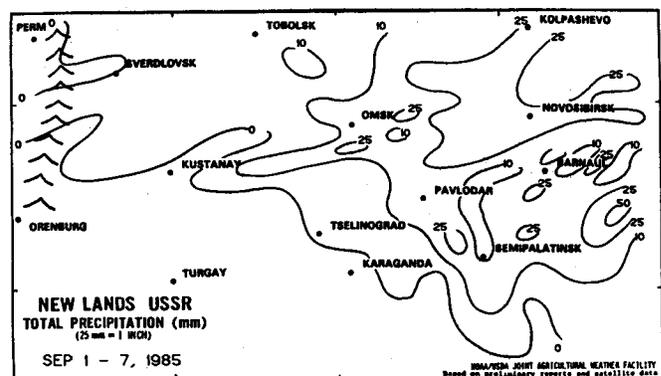
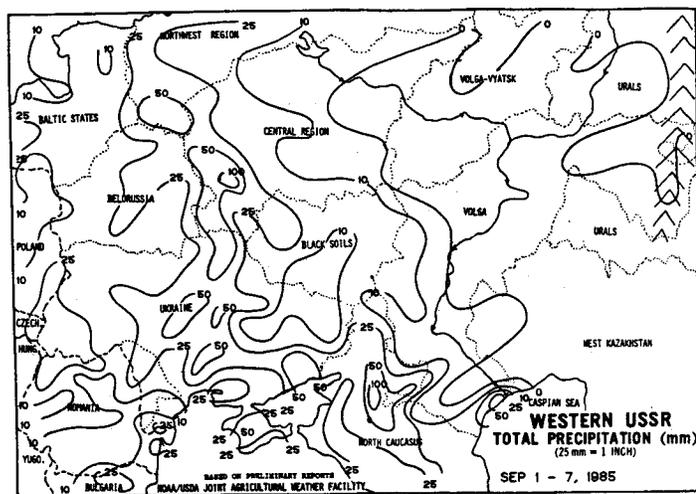
International Weather and Crop Summary

September 1-7, 1985



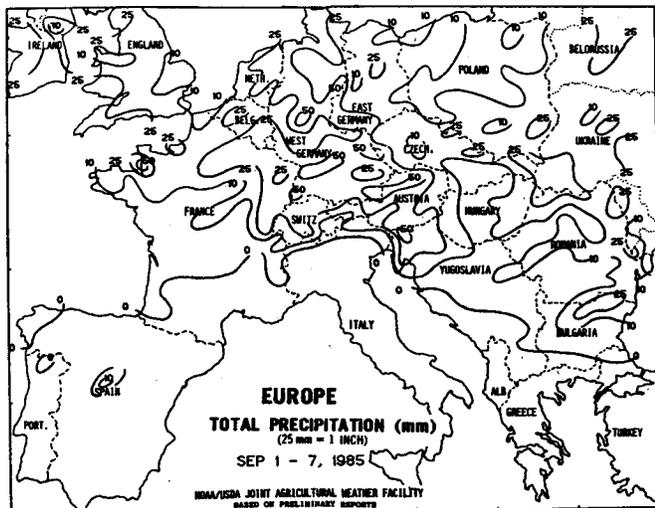
HIGHLIGHTS:

1. **UNITED STATES** ... Warm weather advances crop development across the Corn Belt but stresses crops in the dry areas of the central Plains and the Southeast.
2. **USSR** ... In Western USSR, wet weather across the south is unfavorable for maturing corn but increases topsoil moisture for winter wheat planting. Unseasonably cold, wet weather in the eastern New Lands slows crop maturation and harvesting.
3. **EUROPE** ... Showers across northwestern crop areas delay harvesting but provide abundant topsoil moisture for winter grain planting. Unseasonably warm, dry weather in the south favors corn maturation and helps harvesting.
4. **SOUTH ASIA** ... Rain benefits most rice areas. Dryness limits moisture for cotton and groundnuts in the flowering stage.
5. **EASTERN ASIA** ... Flooding damages rice in southwestern China. Elsewhere, dry weather benefits maturing cotton, corn, and soybeans.
6. **SOUTHEAST ASIA** ... Rain benefits Thai rice in the south, while some dry spots remain in the northeast. Tropical Storm Tess damages rice and corn in the Philippines.
7. **AUSTRALIA** ... Drier weather covers the region but moisture is adequate for wheat entering the heading stage.
8. **CANADA** ... Showery, cool weather continues to slow the Prairies grain harvest.
9. **MEXICO** ... Showers again benefit southern Plateau crops but rainfall is mostly light over the remaining crop regions.
10. **SOUTH AMERICA** ... Dry weather covers Argentina's wheat in early vegetative growth. Moisture is limited in the south. Showers favor Brazil's immature wheat and early summer crop planting.

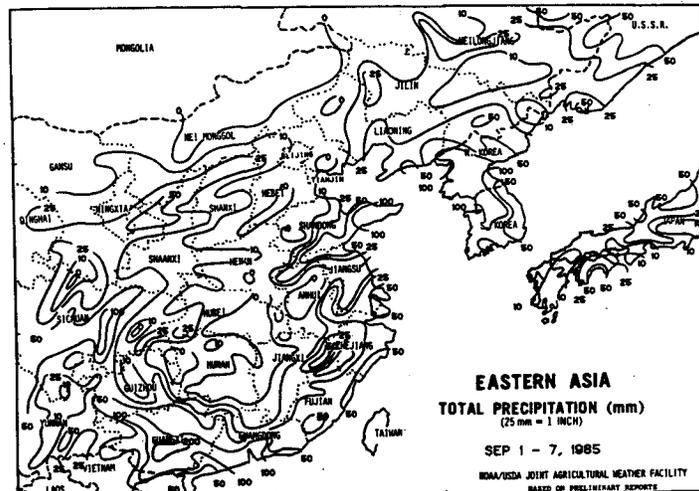


USSR... In Western USSR, wet weather in southern crop areas followed early-week dryness. Precipitation ranged from 25 to 50mm; crop areas in the central North Caucasus received the most rain (50 to 100mm). The rain created unfavorable conditions for corn maturation and harvesting, but increased topsoil moisture for winter wheat planting which normally begins in mid-September. Showers (10-25mm) in Baltic States and Belorussia slowed small grain harvesting. Dry weather and above-normal temperatures covered the eastern Central Region, the Volga Vyatsk, and upper Volga Valley, helping the small grains harvest and winter grain planting.

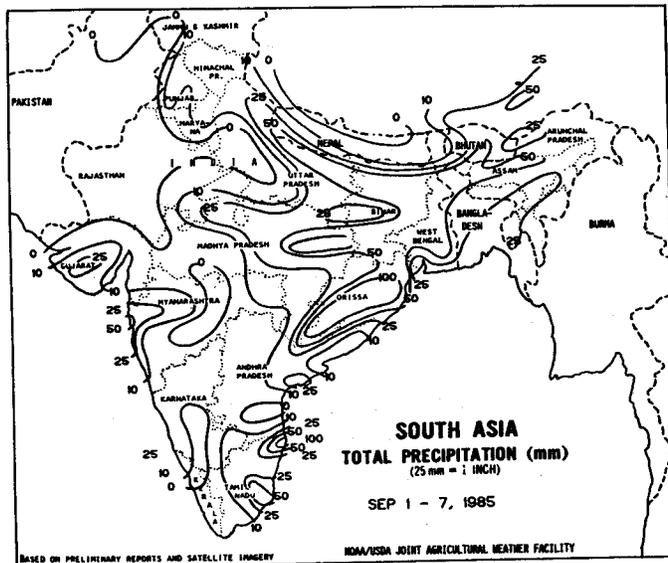
In the New Lands, unseasonably cold weather covered spring wheat areas. On at least 1 day during the week, nighttime lows dropped to 0C or below at many locations, and freezing temperatures occurred as far south as Karaganda, and Kazakhstan. The average date for the first autumn frost is around September 11 in northern and eastern grain areas and September 21 in the southwest. The cold weather did not significantly affect spring grains because most were mature in the south and approaching maturity in the north and east. However, light rain accompanied the cold weather in the north and east, which likely slowed crop maturation. Reports indicate that as of September 2, small grains and pulses, excluding corn, were about 67 percent harvested.



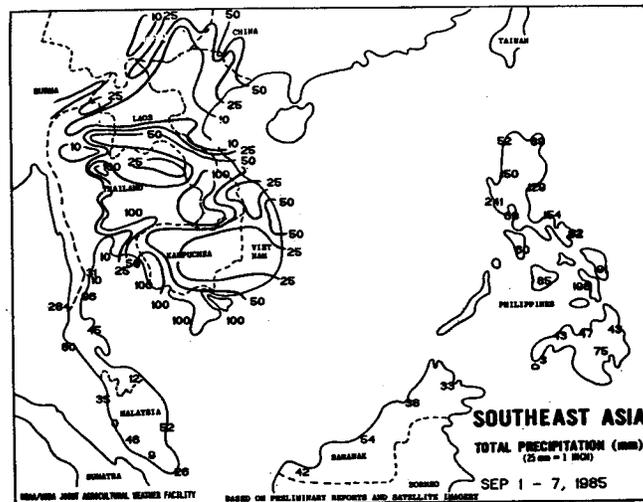
EUROPE... Showers (around 25mm) and unseasonably cool weather returned to crop areas in England, northern France, the Netherlands, Belgium, and West Germany, delaying harvesting. Light precipitation covered Poland, only briefly interrupting harvesting. Topsoil moisture across northern Europe is abundant for winter grain planting which normally begins in early September. Generally dry weather over corn areas of southwestern Romania favored grain maturation and aided harvesting. Elsewhere, seasonably dry weather covered Mediterranean crop areas. Weekly temperatures were below normal in the north and above normal in the south.



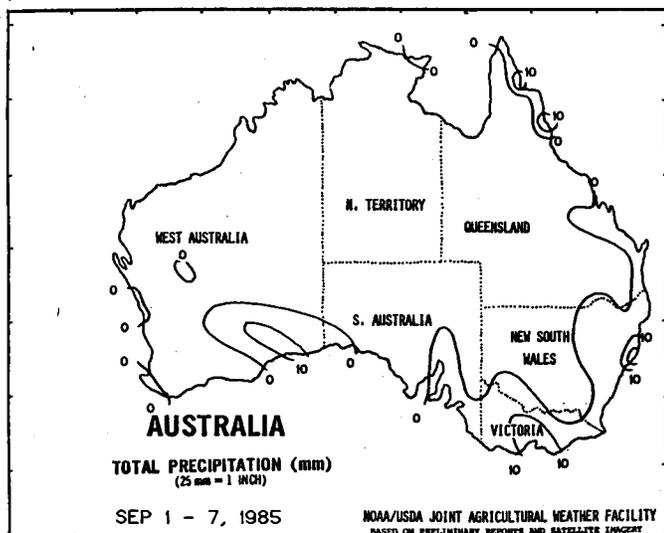
EASTERN ASIA... Typhoon Tess struck the south China coast late in the week. High winds (70-80 knots) and inundating rain caused additional damage to late rice in Guangxi and Guangdong following heavy rain last week. Moderate rain fell in the eastern coastal provinces, benefiting late rice in the heading and filling stages. Relatively dry weather in central and northern areas benefited maturing cotton, early corn, and early soybeans. Winter wheat planting normally begins in mid-September in the North China Plain. Two frontal systems produced heavy rain (100-200mm) in North Korea, where flooding possibly damaged filling rice. Moderate to heavy rain extended into eastern Liaoning, where flooding continues.



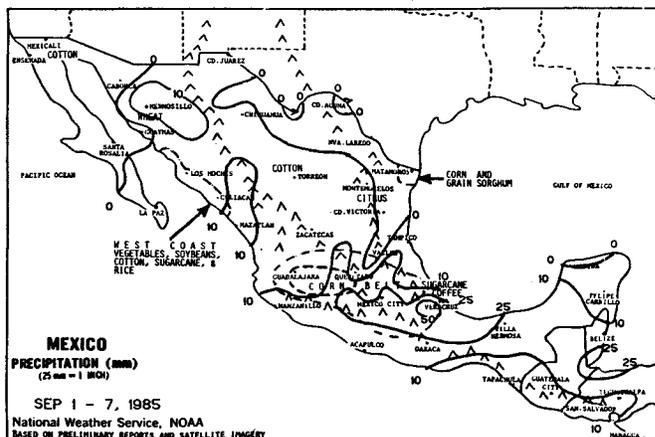
SOUTH ASIA... The weather remained similar; most of the rain fell in the east with dryness in the west. Favorable rain (25-100mm) covered most of the winter rice region where rice is heading. Autumn rice is in the late filling and maturing stages and has mostly favorable moisture. Continued dryness in the west stresses cotton and groundnuts where less than 5mm of rain fell. Moisture is limited for crops in the flowering stage. Mostly dry weather continued in Rajasthan, Punjab, Haryana, and western Uttar Pradesh. Monsoon rains normally withdraw from this region around mid-September, but dry weather during the last 3 weeks is straining irrigation supplies.



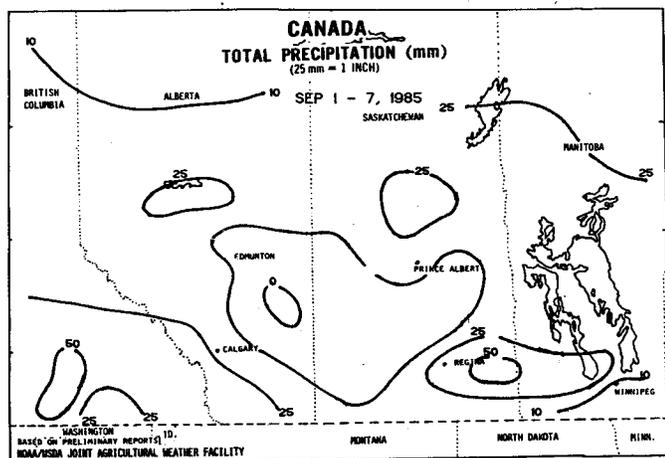
SOUTHEAST ASIA... Precipitation increased in eastern Thailand but some spots remain too dry. Beneficial rain (50-100mm) covered southeastern rainfed rice, while less than 25mm of rain fell on some northeastern rice. Heavy rain extended into the south central region, favoring irrigated rice. Variable rain fell in northern Thailand. Moderate to heavy rain in central Thailand slowed the late stages of corn harvesting. Tropical Storm Tess developed in the Philippine Sea early in the week and crossed over the island of Luzon. Tess produced heavy rain and high winds and possibly damaged maturing upland rice and corn.



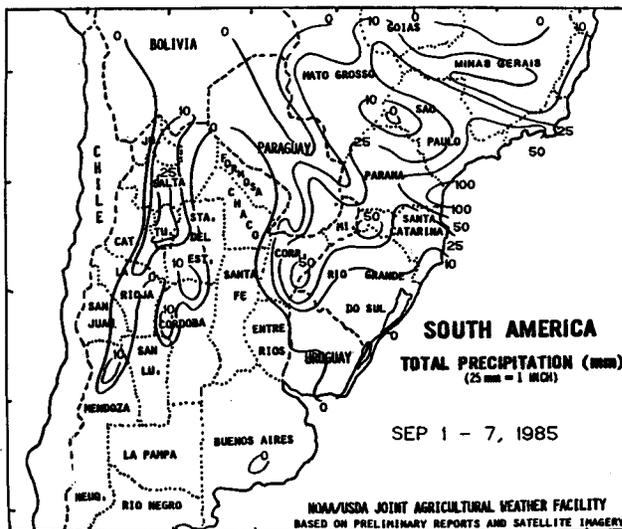
AUSTRALIA... Drier weather prevailed over most of the wheat belt. Almost no rain fell in Western Australia's wheat region, and above-normal temperatures increased evaporation rates. However, moderate rain during the previous 2 weeks supplied adequate moisture. Very little rain fell in the eastern wheat belt but cooler-than-normal temperatures reduced evaporation rates. Wheat is entering the critical heading stage with adequate moisture, but timely rain during the next 2 months is needed to maintain the yield potential.



MEXICO... Substantial showers (15-64mm) covered the southern half of the Plateau corn belt, while mostly light showers (2-10mm) fell in northern portions. Dry weather prevailed over northeastern citrus and grain sorghum areas. Very light showers (mostly less than 5mm) in the northwestern mountains were too insignificant to benefit reservoir levels. The seasonal dry, hot weather persisted over north-central rangelands, and minimal rainfall over the Yucatan offered no relief from the below-average rainfall pattern in the upper Peninsular. Showers benefited southern portions of the west coast farming region.



CANADA... Rapid progression of storm systems across the Prairie Provinces brought more showery, cool weather to the grain belt. Crop harvests progressed somewhat, especially in central and western Saskatchewan and the northern two-thirds of Alberta's crop area where weekly precipitation was less than 10mm. Cool weather brought near to slightly below freezing minimum temperatures to northern grain and oilseed areas, slowing crop maturation. Weekly rainfall averaged 25-55mm in southeastern Saskatchewan and southwestern Manitoba, aggravating the wet harvest season. The harvest pace throughout the grain belt is well behind schedule and significantly lags last year's progress. Crop quality has also been adversely affected.



SOUTH AMERICA... Dry weather covered most of Argentina's crop areas, but 20-50mm of rain fell in Corrientes in the extreme northeast. Wheat planting was completed, and early summer crop planting was underway in Chaco and extreme northern Santa Fe. Moisture is generally adequate for crop establishment and early growth, but relatively dry weather persists in southern wheat areas of Buenos Aires and La Pampa. In Brazil, light showers fell on immature wheat in Rio Grande do Sul, while substantial rain moistened soils in Parana, Sao Paulo, and southern portions of Mato Grosso do Sul and Minas Gerais. The moisture following the long dry season significantly benefited summer crop planting and coffee flowering.

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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Weather Service/Climate Analysis Center
Managing Editor (Acting) Fred Finger
Meteorologists Lyle Denny,
Tom Heddinghaus, Ray McInturff, Jim Williams,
Wes Byrd, and Randy Taylor

Subscriptions (202) 447-7917 . . Cheryl Caleco

U.S. DEPARTMENT OF AGRICULTURE
Economics Management Staff
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(Continued from front page)

SATURDAY...Thunderstorms caused generally light rain in the lower Mississippi Valley and central gulf coast. Heavier showers fell from south central Minnesota through the Great Lakes. Heavy snow turned into snow mixed with rain through western Montana. Showers fell in most of the Northwest but were fewer in southern California.

NOAA/USDA Joint Agricultural
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