

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

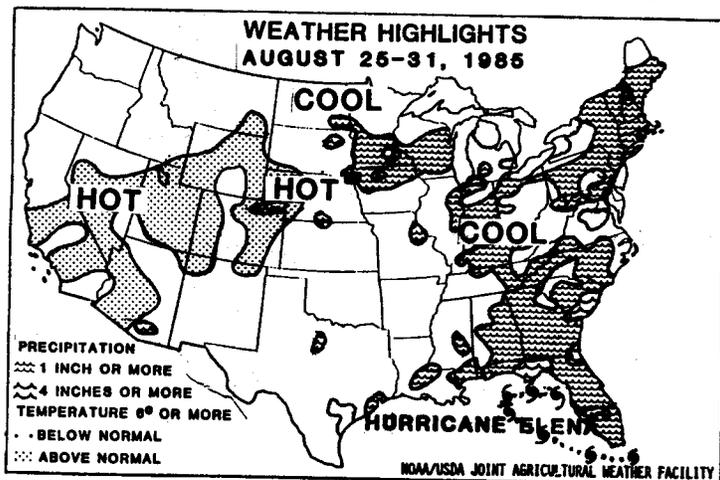
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Sept. 4, 1985

National Weather Summary

August 25 to 31, 1985



HIGHLIGHTS: Hurricane Elena formed in the south-eastern 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 gulf 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.

SUNDAY...Showers and thunderstorms were scattered from the central and lower Mississippi Valley, through the eastern Great Lakes, and to the Atlantic Coast. The heaviest rain fell from central Alabama into the Florida Panhandle and in parts of southern Maryland. Relatively cool weather covered the northeastern quarter of the Nation, but hot weather spread over the West and the High Plains.

MONDAY...Showers and thunderstorms were scattered from southern Louisiana through the East Coast States and from West Virginia into the central Great Lakes region. A few widely separated showers fell from western Texas into Montana.

TUESDAY...Thunderstorms were scattered all along the Gulf of Mexico Coast, but the heaviest storms were from eastern Florida northward to western North Carolina. Temperatures were cool in the Midwest, but unusually warm in most of the West.

WEDNESDAY...Thunderstorms continued along the gulf coast and in the Southeast. Showers and thunder-

storms also reached from the northern and central Rockies northeastward through the upper Great Lakes. Late in the day, Tropical Storm Elena formed over central Cuba and moved into the straits south of Florida, spreading rain over the Keys and southern tip of the State.

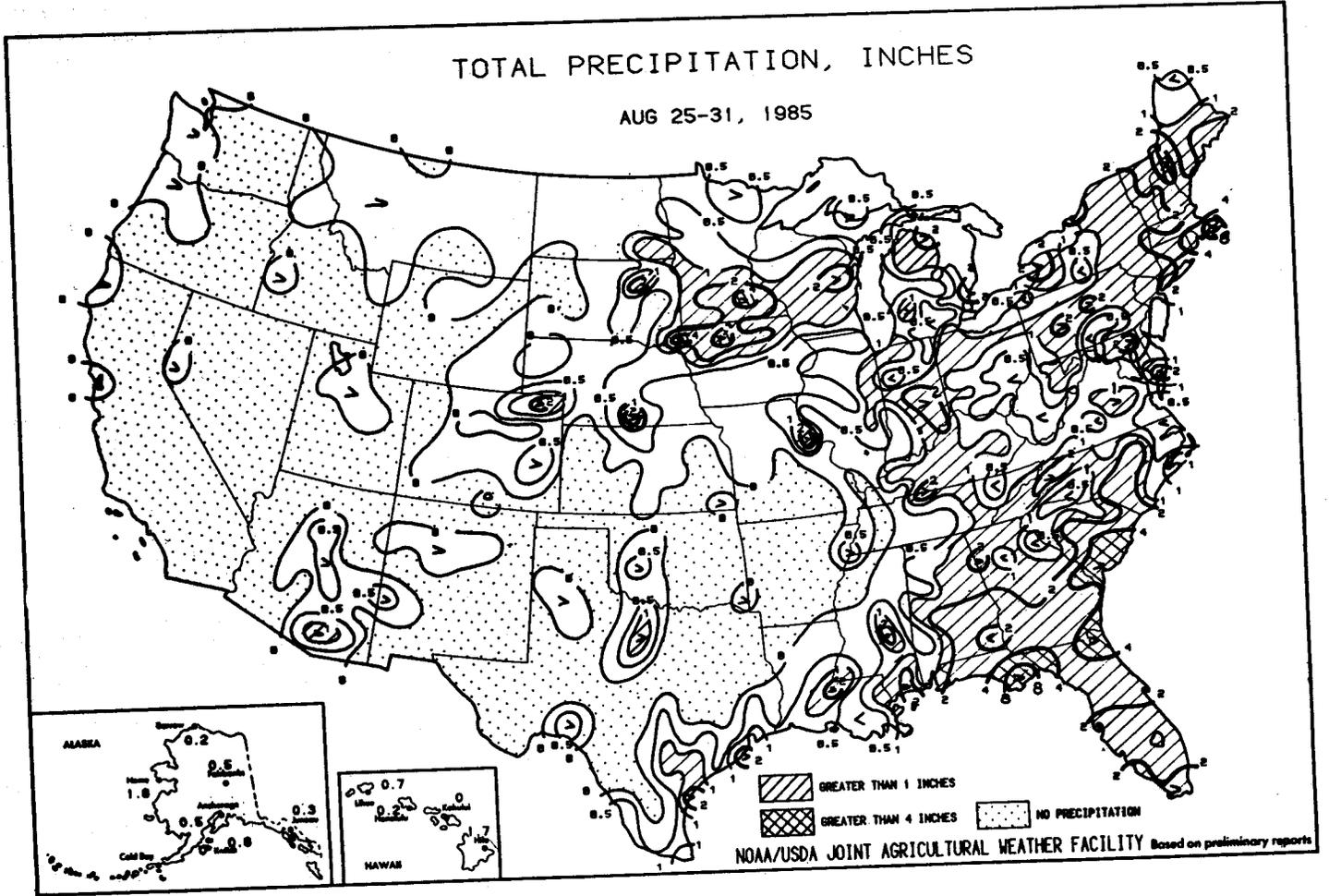
THURSDAY...Tropical Storm Elena intensified rapidly and became Hurricane Elena as it moved into the Gulf of Mexico on a northwesterly track towards the Mississippi Delta. Thunderstorms continued along the gulf coast and in the Southeast. Elsewhere, showers and thunderstorms reached from eastern South Dakota to northern Missouri and eastward through the Ohio Valley and to New England.

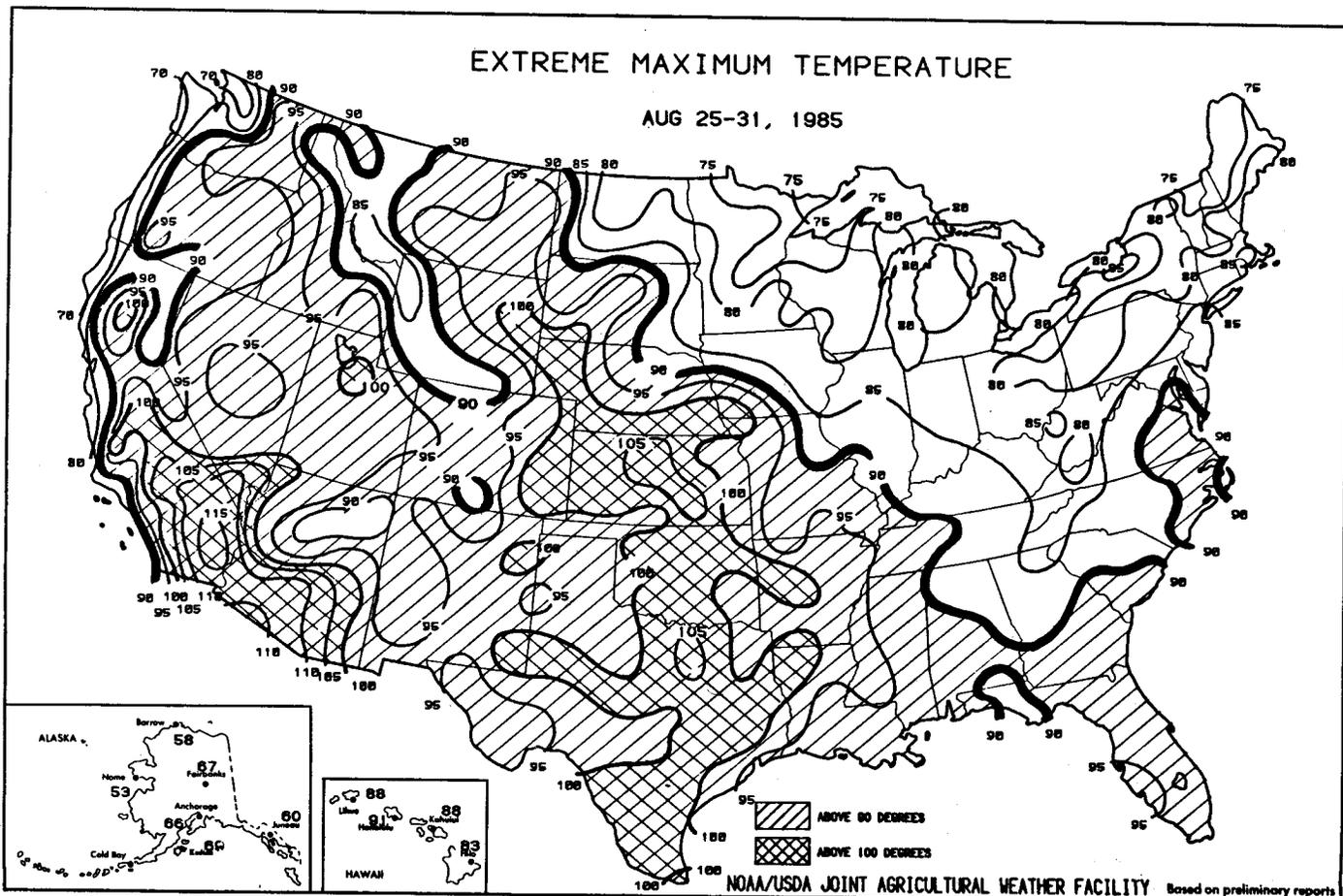
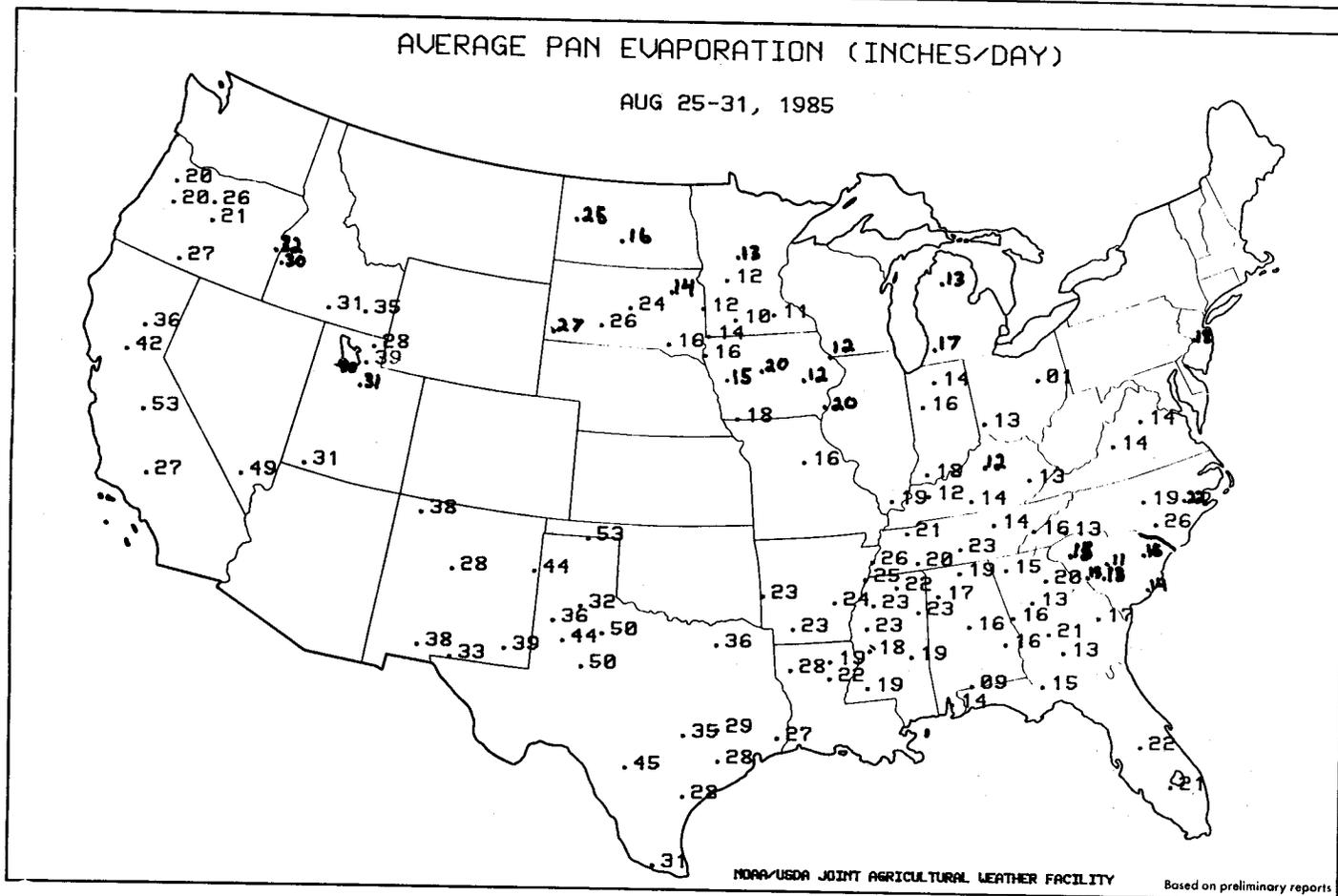
FRIDAY...Hurricane Elena, true to the nature of hurricanes, took a sharp turn to the East and began moving slowly toward the upper gulf coast of Florida. Showers and thunderstorms occurred throughout the East Coast States, with moderate to heavy showers falling from northern Pennsylvania to eastern New England. The most severe storms were associated with the hurricane along the upper gulf coast of Florida, but some heavy showers reached northward to southeastern North Carolina. It was cooler in the Northwest, but unusually warm weather pushed into the Rockies and over the High Plains.

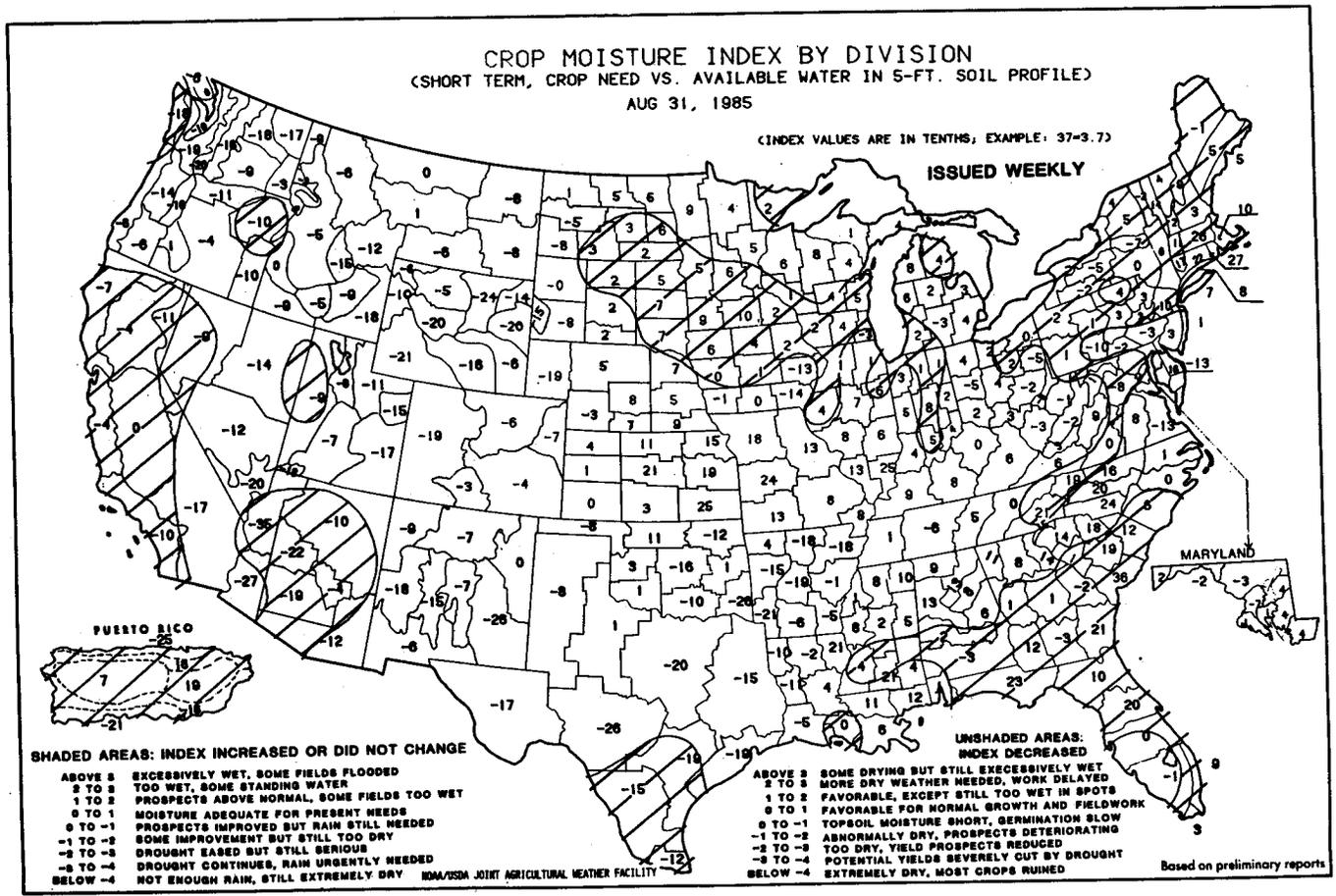
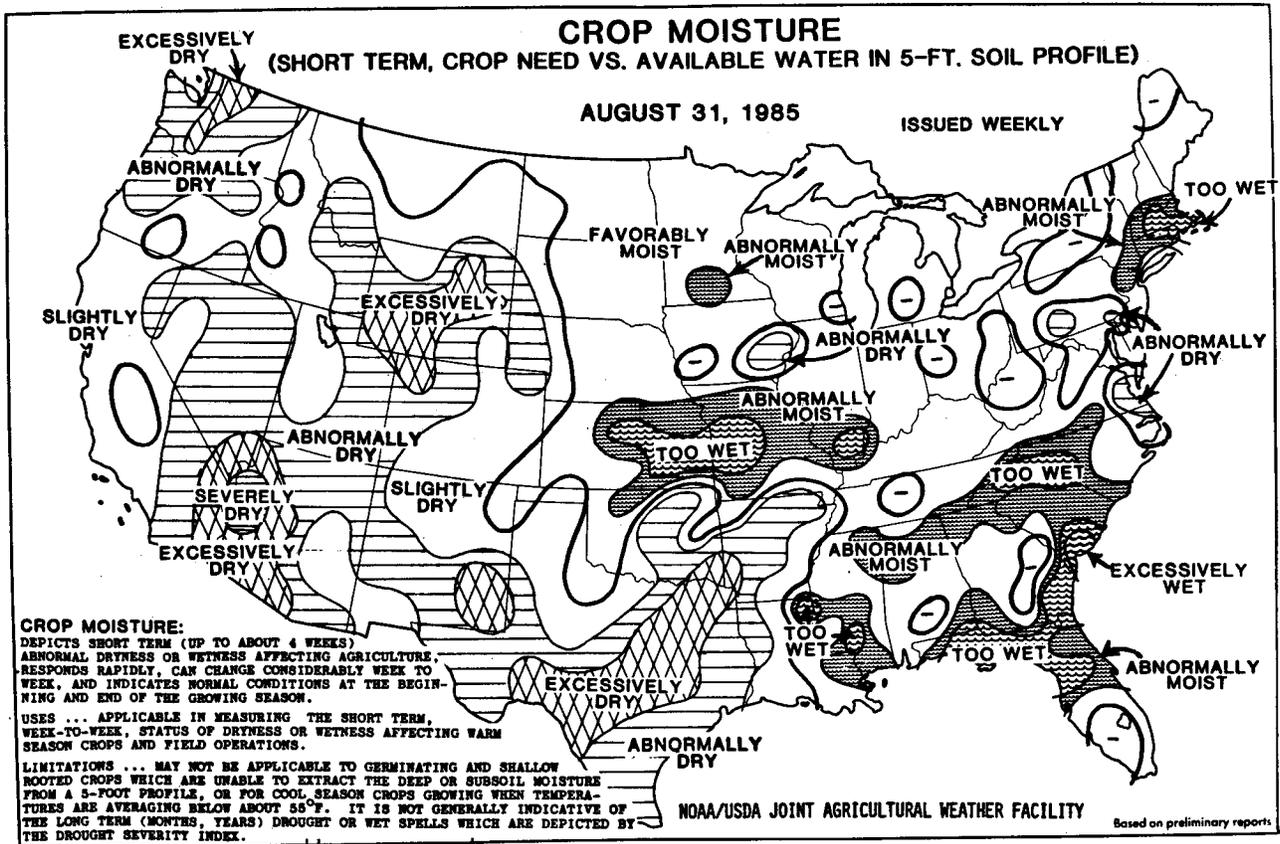
SATURDAY...Hurricane Elena moved to within 50 miles of Cedar Key, Florida, and remained stationary all day. From its vantage point in the Gulf, the storm lashed the Florida Gulf Coast with heavy rain, gale winds, and a few tornadoes. The high winds were generally confined to the coastal area, but the rains fell throughout northern Florida. Elsewhere, thunderstorms triggered heavy rain in parts of Arizona, and a few showers fell from the central Rockies to the upper Mississippi Valley.

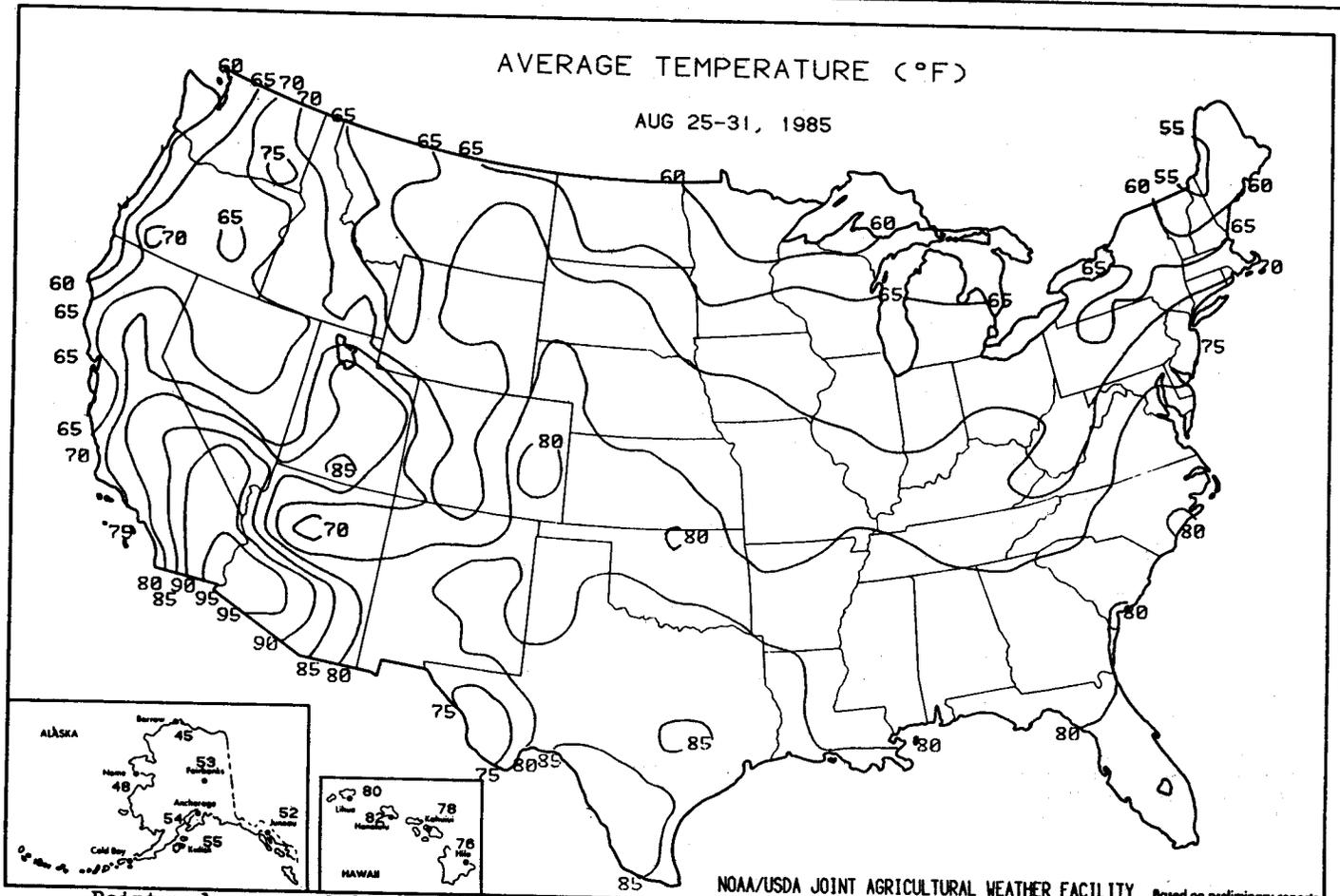
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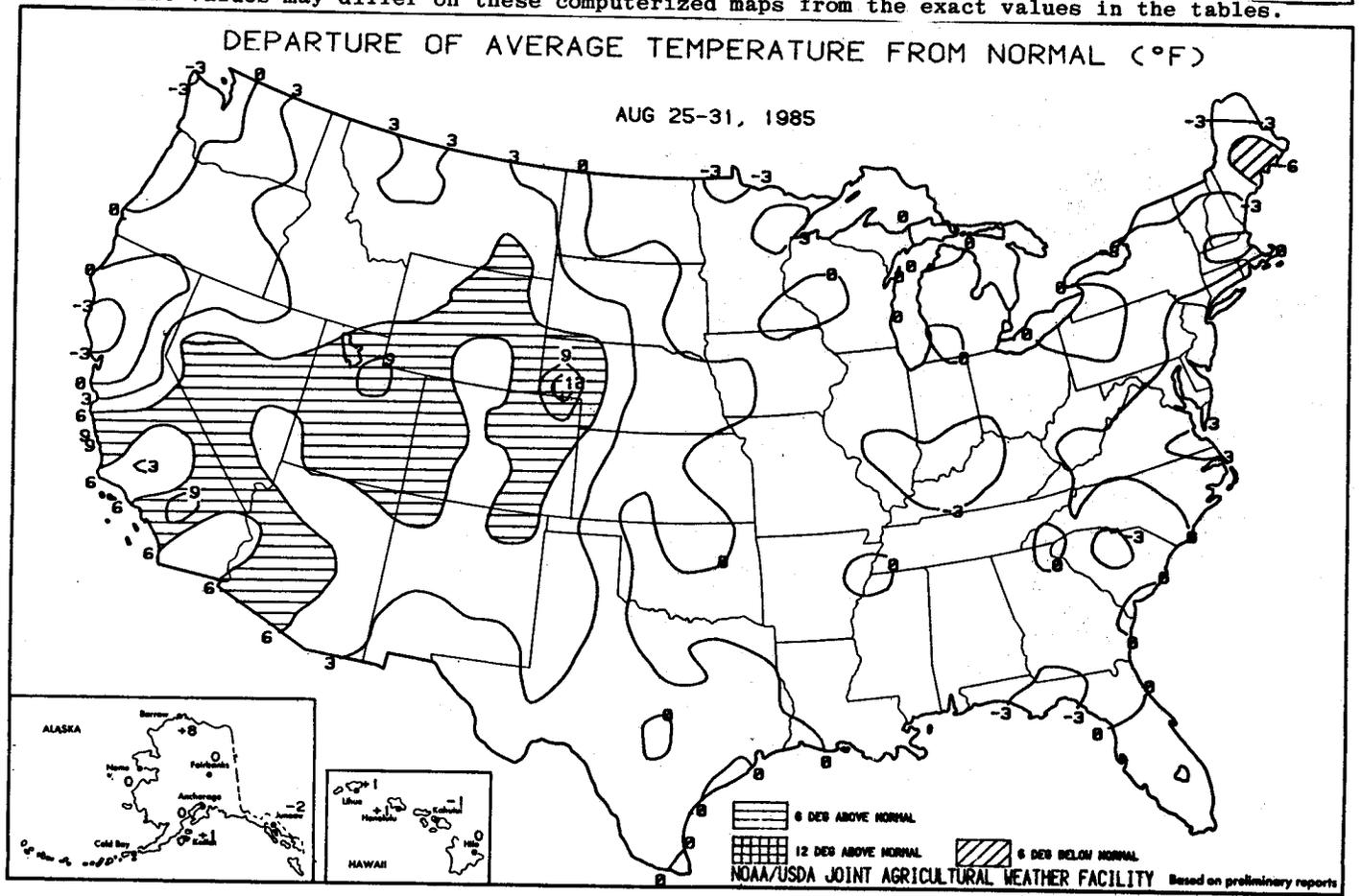


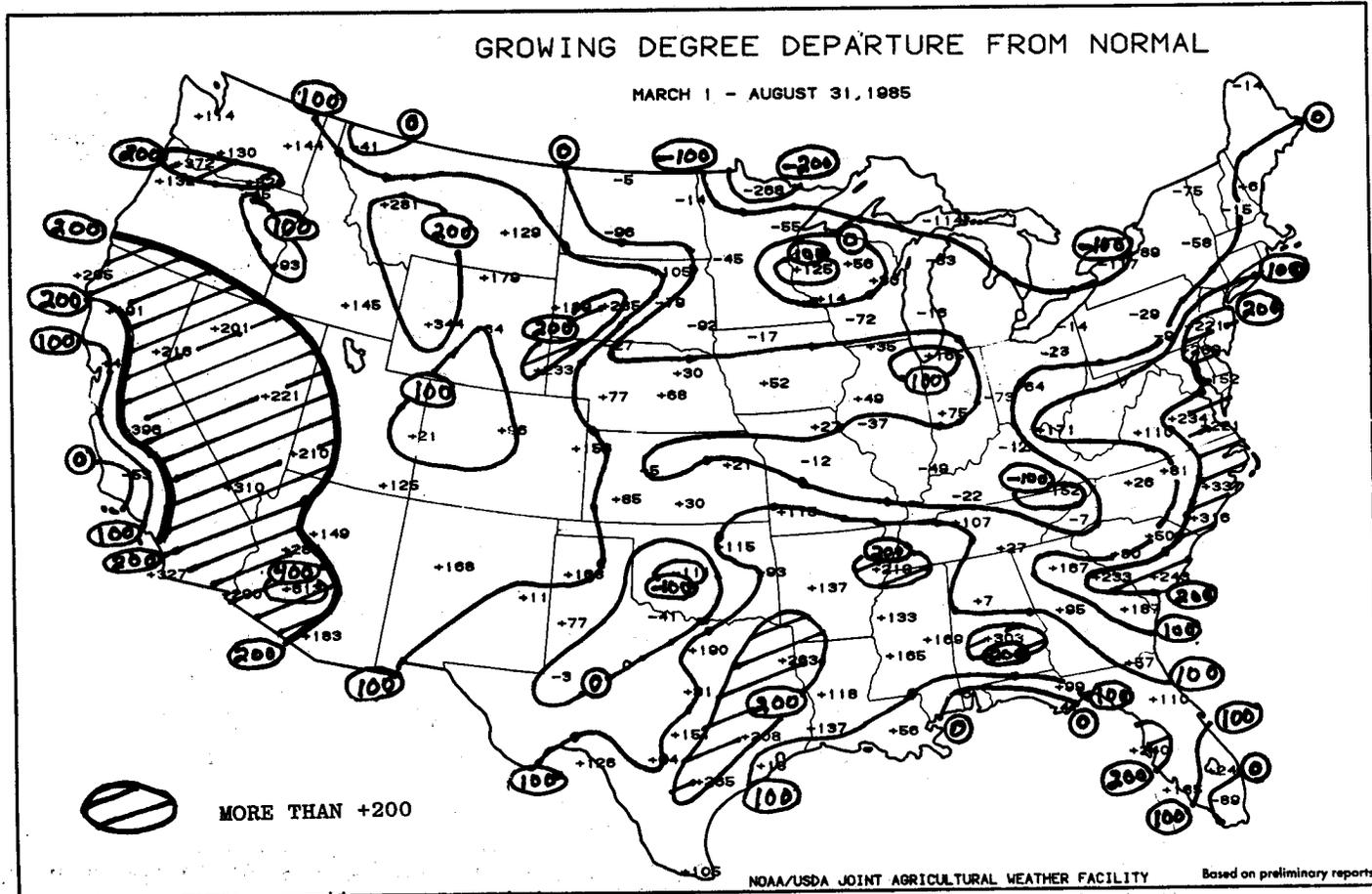
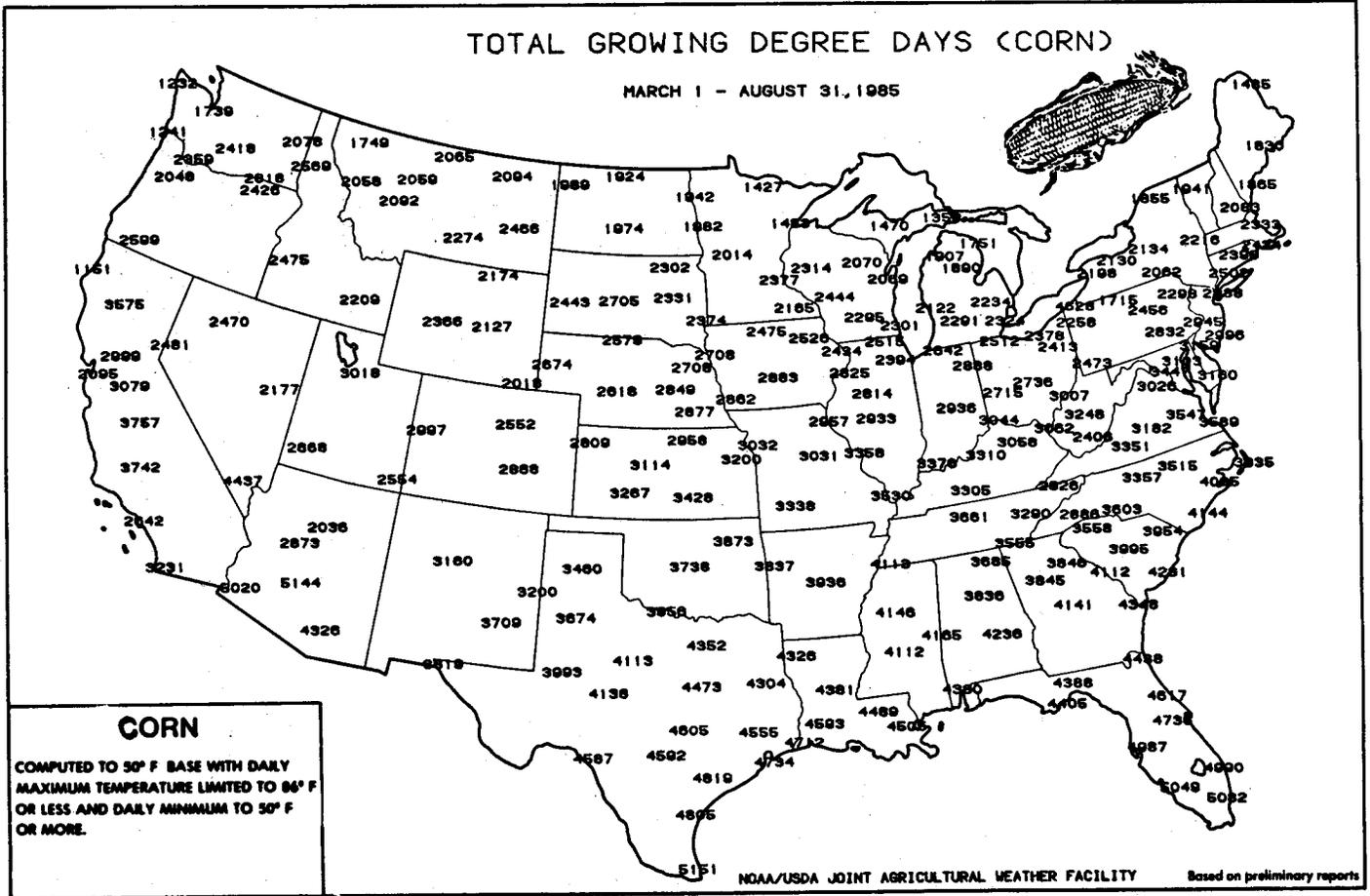






Point values may differ on these computerized maps from the exact values in the tables.





Weather Data for the Week Ending August 31, 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 June 1	PCT. NORMAL SINCE June 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	85	67	89	65	76	-2	1.3	.4	1.1	19.0	148	37.0	95	100	67	0	0	2	1
MOBILE	87	71	92	69	79	-2	.7	-.9	.4	16.5	84	40.4	87	90	56	1	0	4	0
MONTGOMERY	87	70	91	68	79	-2	2.3	1.5	2.1	12.5	110	32.8	95	96	59	2	0	3	1
AK ANCHORAGE	62	46	66	41	54	0	.5	-.1	.2	5.5	106	9.8	111	98	58	0	0	4	0
BARROW	50	39	58	31	45	0	.2	0	.1	1.8	79	2.3	74	100	82	0	1	4	0
FAIRBANKS	60	46	67	37	53	0	.5	-.1	.2	4.9	98	7.1	100	97	60	0	0	4	0
JUNEAU	57	46	60	41	52	-2	.3	-.7	.3	11.3	95	20.7	73	98	80	0	0	1	0
KODIAK	61	49	69	45	55	1	.6	-.7	.3	18.5	148	46.3	106	95	71	0	0	4	0
NOME	51	46	53	44	48	0	1.6	-.9	.5	6.6	101	10.4	108	98	84	0	0	7	0
AZ PHOENIX	108	86	112	83	97	9	T	-2	T	1.2	62	3.0	67	45	20	7	0	0	0
PRESCOTT	89	61	94	59	75	6	.4	-.2	.4	4.5	62	9.6	73	73	33	0	0	0	0
TUCSON	103	72	107	68	88	5	1.4	1.0	1.0	5.2	109	8.6	116	70	19	3	0	2	1
YUMA	109	86	112	84	98	7	T	0	T	T	3	.3	19	62	26	7	0	0	0
AR FORT SMITH	93	63	102	55	78	-1	0	-7	0	8.4	85	30.5	113	96	35	5	0	0	0
LITTLE ROCK	90	67	100	63	79	0	0	-7	0	7.2	79	26.7	84	85	44	3	0	0	0
CA BAKERSFIELD	96	67	98	66	82	1	0	-1	0	.4	338	2.0	50	61	22	7	0	0	0
EUREKA	64	51	67	49	58	1	T	-1	T	1.6	152	12.2	54	94	72	0	0	1	0
FRESNO	101	67	103	64	84	7	0	0	0	.4	355	3.4	48	54	18	7	0	0	0
LOS ANGELES	85	68	94	65	76	6	0	-1	0	T	0	3.5	41	81	46	1	0	0	0
RED BLUFF	93	58	101	54	76	-3	0	-1	0	.6	86	5.5	42	66	16	6	0	0	0
SACRAMENTO	92	56	94	50	74	0	0	-1	0	.2	91	4.4	41	86	24	6	0	0	0
SAN DIEGO	84	69	90	67	77	5	0	0	0	.8	89	2.4	38	91	55	1	0	0	0
SAN FRANCISCO	72	54	84	52	63	0	T	0	T	.3	179	6.9	55	90	52	0	0	1	0
CO DENVER	93	60	97	51	77	8	T	-3	T	5.5	108	11.4	97	58	14	6	0	0	0
GRAND JUNCTION	95	64	98	58	80	7	0	-2	0	1.9	102	6.4	123	40	14	7	0	0	0
PUEBLO	96	58	101	56	77	6	T	-3	T	6.3	131	10.9	128	69	18	7	0	0	0
CT BRIDGEPORT	78	66	84	58	72	1	1.7	-.9	1.1	13.3	134	24.0	88	88	59	0	0	5	1
HARTFORD	73	60	83	53	66	-3	3.0	2.0	1.3	13.6	129	22.4	78	93	61	0	0	4	3
DC WASHINGTON	83	68	88	65	76	0	.9	0	.8	7.3	63	20.2	75	90	58	0	0	4	1
FL APALACHICOLA	84	71	89	66	77	-4	10.8	8.9	4.3	27.0	139	40.7	111	93	72	0	0	7	4
DAYTONA BEACH	87	76	93	72	82	1	2.0	.4	.9	18.8	103	28.2	87	91	67	2	0	4	2
JACKSONVILLE	88	72	93	70	80	-1	5.7	4.0	2.9	18.6	98	27.2	72	95	66	2	0	6	4
KEY WEST	88	79	90	74	84	0	2.3	1.0	1.7	10.1	75	27.8	120	87	65	2	0	4	2
MIAMI	89	76	91	72	82	0	1.9	-.2	.8	29.4	133	37.6	99	92	63	2	0	4	2
ORLANDO	89	75	93	72	82	0	2.1	-.7	.9	23.2	108	34.7	97	96	60	4	0	4	2
TALLAHASSEE	84	72	91	70	78	-3	4.6	3.0	1.8	27.2	120	40.0	85	98	74	2	0	7	3
TAMPA	89	77	95	75	83	1	1.6	-.1	1.3	21.7	107	28.8	84	93	61	3	0	5	1
WEST PALM BEACH	89	78	92	72	83	1	1.2	-.4	.6	20.8	105	33.6	91	86	64	3	0	4	1
GA ATLANTA	82	69	86	67	75	-2	.9	.2	.5	16.6	144	35.0	99	88	62	0	0	4	1
AUGUSTA	87	70	93	68	79	0	.6	-.3	.5	8.4	68	22.2	69	92	58	1	0	4	0
MACON	84	70	90	68	77	-3	1.2	.4	.5	9.8	82	23.9	72	97	66	1	0	4	0
SAVANNAH	88	71	92	67	79	-1	3.7	2.3	1.9	21.2	107	28.5	76	98	63	3	0	7	3
HI HILO	82	70	83	67	76	0	1.7	-.4	.4	18.9	76	86.3	103	95	69	0	0	6	0
HONOLULU	89	74	91	70	82	1	.2	0	.2	.7	42	8.5	59	82	47	5	0	1	0
KAHULUI	87	68	88	63	78	-1	0	-1	0	.5	44	6.4	47	90	53	0	0	0	0
LIHUE	85	75	88	71	80	1	.7	.3	.5	2.6	47	16.8	64	79	56	0	0	2	0
ID BOISE	90	59	95	53	74	5	T	-1	T	1.3	83	5.5	71	48	14	4	0	1	0
LEWISTON	88	58	96	51	73	3	T	-2	T	2.6	97	6.4	75	49	18	4	0	0	0
POCATELLO	90	52	98	44	71	5	0	-1	0	1.6	74	6.3	85	53	12	4	0	0	0
IL CHICAGO	78	58	83	52	68	-2	.1	-.8	.1	9.6	85	23.6	100	97	59	0	0	2	0
MOLINE	79	59	83	54	69	-2	1.0	.1	.5	8.2	64	22.3	83	99	59	0	0	2	0
PEORIA	80	59	85	55	69	-2	.2	-.6	.1	12.3	109	25.9	104	99	61	0	0	2	0
QUINCY	80	62	86	57	71	-2	.1	-.8	.1	10.1	82	21.9	83	100	72	0	0	1	0
ROCKFORD	78	58	82	51	68	-1	T	-8	T	11.0	86	21.9	84	98	61	0	0	1	0
SPRINGFIELD	80	60	86	53	70	-3	.8	.1	.6	14.8	142	25.8	107	98	59	0	0	3	1
IN EVANSVILLE	82	60	88	56	71	-3	.2	-.4	.1	9.6	91	28.5	96	92	53	0	0	2	0
FORT WAYNE	77	58	80	55	68	-2	.4	-.3	.2	9.6	93	22.8	94	95	58	0	0	3	0
INDIANAPOLIS	79	58	83	54	69	-3	2.1	1.4	1.7	12.3	105	30.6	110	100	58	0	0	2	1
SOUTH BEND	77	61	81	58	69	0	1.1	.2	.8	10.5	91	24.7	95	93	57	0	0	2	0
IA DES MOINES	81	62	88	58	72	0	T	-.9	T	8.6	75	16.4	71	92	61	0	0	0	1
SIOUX CITY	79	60	86	48	70	-1	.7	0	.7	5.3	50	16.1	83	97	66	0	0	2	1
WATERLOO	77	57	83	50	67	-1	1.7	.9	1.7	10.2	81	18.7	77	97	62	0	0	1	1
KS CONCORDIA	88	61	104	53	75	0	.1	-.6	.1	9.7	89	19.4	95	94	42	4	0	1	0
DODGE CITY	92	64	102	52	78	3	0	-.5	0	9.0	104	14.9	91	72	32	5	0	0	0
GOODLAND	93	60	102	47	77	6	0	-4	0	11.6	165	18.2	140	81	25	5	0	0	0
TOPEKA	85	60	94	53	73	-2	0	-.8	0	16.0	124	28.5	118	97	54	2	0	0	0
WICHITA	92	63	105	54	78	1	T	-.7	T	11.6	111	19.9	99	82	32	5	0	0	0
KY BOWLING GREEN	82	61	89	57	72	-4	1.5	-.8	.9	14.2	117	27.2	79	100	53	0	0	2	2
LEXINGTON	80	61	85	59	70	-3	.5	-.3	.3	12.1	92	25.5	77	99	61	0	0	2	0
LOUISVILLE	81	62	87	59	71	-3	1.5	.8	1.4	12.3	112	26.6	87	100	58	0	0	2	1
LA ALEXANDRIA	90	69	94	65	80	-2	.5	-.1	.3	15.7	136	36.1	94	92	57	4	0	2	0
BATON ROUGE	89	71	93	69	80	-1	.2	-.8	.2	19.3	127	38.2	96	85	53	2	0	1	0
LAKE CHARLES	91	72	95	70	82	1	.6	-.7	.5	12.5	83	31.3	88	97	56	5	0	2	1
NEW ORLEANS	87	72	92	68	80	-1	.2	-.1	.1	17.8	102	42.2	101	85	56	1	0	4	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending August 31, 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 June 1	PCT. NORMAL SINCE June 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	82 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	95	68	103	63	82	1	0	-6	0	13.3	138	29.4	97	92	35	7	0	0	0
ME CARIBOU	67	50	75	35	58	-1	.3	-6	.3	9.7	87	19.6	83	94	56	0	0	2	0
PORTLAND	69	58	83	50	63	-1	2.0	1.3	.9	9.2	106	18.2	67	91	61	0	0	5	2
MD BALTIMORE	82	65	87	59	74	0	2.6	1.6	2.3	8.7	71	22.5	78	92	57	0	0	0	0
SALISBURY	84	67	87	61	75	2	.6	-6	.3	12.1	90	23.9	78	99	57	0	0	3	0
MA BOSTON	72	62	84	53	67	-3	2.5	1.6	1.6	14.2	153	24.3	86	95	70	0	0	4	2
CHATHAM	71	60	80	55	66	0	5.5	4.6	3.4	17.6	180	32.2	108	—	—	0	0	4	3
MI ALPENA	70	54	80	43	62	0	2.3	1.5	.9	9.5	100	22.0	112	100	70	0	0	4	2
DETROIT	76	60	81	55	68	-1	.4	-3	.3	10.5	108	26.6	122	87	55	0	0	2	0
FLINT	76	59	82	50	67	1	.4	-4	.2	10.5	111	25.9	127	98	62	0	0	3	0
GRAND RAPIDS	76	59	79	50	67	0	1.5	.7	1.4	11.3	109	24.6	108	99	62	0	0	4	1
HOUGHTON LAKE	70	57	78	40	63	0	1.5	.8	.9	7.9	89	19.3	103	98	67	0	0	3	2
LANSING	76	59	80	49	67	0	.3	-4	.2	9.6	102	23.0	113	99	58	0	0	3	0
MARQUETTE	69	46	81	37	58	-2	.7	-2	.7	10.0	97	30.7	125	95	52	0	0	1	1
MUSKEGON	75	59	77	50	67	0	.2	-5	.2	11.4	141	24.3	120	92	63	0	0	2	0
SAULT STE. MARIE	73	52	80	46	62	2	T	-8	T	9.2	95	26.1	125	99	60	0	0	1	0
MN ALEXANDRIA	71	56	75	53	64	-1	.5	-2	.2	7.5	70	17.2	93	96	63	0	0	3	0
DULUTH	69	44	74	39	57	-4	.5	-5	.3	11.3	94	21.0	99	98	57	0	0	3	0
INT'L FALLS	70	47	74	41	58	-1	1.0	.3	.9	11.6	111	23.2	135	97	51	0	0	2	1
MINNEAPOLIS	74	58	81	54	66	-2	1.5	.7	.8	9.4	84	20.7	104	95	64	0	0	3	2
ROCHESTER	73	57	78	51	65	0	2.5	1.7	2.1	8.9	76	16.2	78	98	68	0	0	2	1
MS GREENWOOD	88	68	94	61	78	-2	T	-6	T	7.6	71	22.4	61	100	58	3	0	0	0
JACKSON	89	68	94	64	79	-2	T	-8	T	13.2	120	32.2	87	99	52	4	0	1	0
MERIDIAN	89	69	93	67	79	-1	.1	-6	.1	15.5	127	34.2	90	98	56	4	0	2	0
MO CAPE GIRARDEAU	86	64	92	56	75	—	T	-8	T	9.9	93	34.5	112	97	51	2	0	0	0
COLUMBIA	82	62	90	56	72	-2	T	-7	T	18.3	180	36.7	146	99	59	1	0	0	0
KANSAS CITY	84	63	95	54	73	-1	.1	-7	.1	16.4	130	30.8	124	94	54	1	0	1	0
SAINT LOUIS	82	64	91	56	73	-2	T	-5	T	18.6	188	35.0	145	98	58	1	0	0	0
SPRINGFIELD	84	61	93	52	73	-2	0	-8	0	14.8	133	34.6	130	94	49	2	0	0	0
MT BILLINGS	86	56	98	52	71	4	T	-3	T	4.1	104	8.4	76	64	21	2	0	0	0
GLASGOW	82	54	95	51	68	3	T	-3	T	6.5	116	10.1	107	72	27	2	0	1	0
GREAT FALLS	78	52	90	47	65	1	.2	-1	.2	5.9	115	11.1	93	76	36	1	0	3	0
HAVRE	82	51	94	46	67	2	0	-3	0	2.5	55	5.7	66	79	26	1	0	0	0
HELENA	84	51	90	48	67	5	T	-3	T	3.0	70	5.1	58	74	23	1	0	1	0
KALISPELL	81	46	90	40	64	3	.1	-3	.1	2.9	63	7.4	67	87	25	1	0	2	0
MILES CITY	86	61	96	57	74	5	.4	.2	.4	5.9	109	9.1	84	69	25	1	0	1	0
MISSOULA	83	49	88	45	66	3	.2	0	.2	3.8	103	7.2	77	86	25	0	0	2	0
NE GRAND ISLAND	87	61	99	51	74	2	.1	-5	.1	9.5	105	20.1	110	96	48	2	0	1	0
LINCOLN	87	61	102	50	74	2	T	-8	T	15.0	144	24.0	116	94	49	2	0	1	0
NORFOLK	82	61	90	49	72	2	.6	0	.5	8.6	85	18.8	99	95	58	1	0	2	0
NORTH PLATTE	89	57	98	44	73	4	T	-4	T	6.0	70	13.1	82	87	36	4	0	1	0
OMAHA	82	62	96	55	72	2	T	-9	T	6.9	58	16.2	72	91	62	1	0	1	0
SCOTT'SBLUFF	95	56	102	48	76	8	T	-2	T	2.7	47	6.0	51	84	20	7	0	0	0
VALENTINE	88	61	92	47	74	5	.3	-2	.2	6.5	83	9.9	70	83	36	3	0	3	0
NV ELY	91	50	94	44	71	8	T	-1	T	1.1	51	4.5	70	48	14	5	0	0	0
LAS VEGAS	108	79	110	76	93	8	0	-1	0	.2	16	.8	28	27	9	7	0	0	0
RENO	89	54	96	49	71	7	T	-1	T	.1	14	2.1	42	65	16	3	0	1	0
WINNEMUCA	91	48	97	42	69	4	T	-1	T	.5	34	2.9	55	46	14	3	0	0	0
NH CONCORD	70	56	84	48	63	-2	2.3	1.5	1.2	8.4	92	17.3	75	96	64	0	0	4	2
NJ ATLANTIC CITY	82	66	86	62	74	3	.8	-2	.3	9.9	86	22.0	77	96	59	0	0	3	0
NM ALBUQUERQUE	94	65	95	63	79	5	T	-3	T	2.2	66	6.7	122	52	15	7	0	2	0
CLOVIS	90	63	93	61	77	2	T	-5	T	12.1	157	19.9	162	78	29	4	0	0	0
ROSWELL	95	66	98	63	81	3	0	-5	0	4.5	101	9.5	148	60	20	7	0	0	0
NY ALBANY	74	59	84	54	66	-1	1.7	.9	.8	8.3	87	17.9	76	100	67	0	0	5	2
BINGHAMTON	70	57	79	50	63	-2	1.3	.6	.6	9.7	93	19.5	80	99	70	0	0	4	2
BUFFALO	74	60	82	52	67	0	2.9	1.9	1.1	9.7	98	26.4	109	96	68	0	0	4	2
NEW YORK	81	68	85	60	75	1	1.7	.8	1.0	12.9	116	23.9	83	91	61	0	0	3	2
ROCHESTER	74	59	85	51	67	-1	.6	-1	.3	5.3	63	16.5	79	98	64	0	0	4	0
SYRACUSE	75	59	85	49	67	0	.6	-3	.5	7.0	63	18.1	70	96	63	0	0	4	0
NC ASHEVILLE	81	62	83	59	72	0	2.0	.9	.8	13.0	97	25.9	77	100	60	0	0	6	2
CHARLOTTE	84	67	87	65	75	-1	.4	-4	.3	17.0	151	33.9	111	97	62	0	0	3	0
GREENSBORO	83	65	85	61	74	-1	1.5	.6	.8	11.4	92	25.5	86	99	59	0	0	3	2
HATTERAS	85	74	88	71	79	2	.5	-9	.2	14.3	91	31.1	87	97	68	0	0	4	0
NEW BERN	88	71	92	68	79	1	.5	-1.0	.2	15.2	83	28.8	80	98	59	3	0	3	0
RALEIGH	85	66	88	64	76	0	.8	-2	.5	12.9	103	27.7	93	91	55	0	0	3	1
WILMINGTON	87	71	91	69	79	1	.9	-6	.7	17.8	90	30.0	79	96	63	2	0	3	0
ND BISMARCK	75	52	81	49	64	-2	T	-3	T	7.0	104	14.0	115	95	46	0	0	1	0
FARGO	73	53	81	48	63	-3	.3	-3	.2	7.7	84	15.0	100	95	53	0	0	3	0
GRAND FORKS	74	49	80	43	62	-2	.4	-2	.4	5.9	71	12.9	94	94	51	0	0	2	0
WILLISTON	80	54	93	50	67	3	.3	0	.3	4.5	76	8.5	79	79	33	2	0	1	0
OH AKRON-CANTON	76	60	80	55	68	-1	1.1	.4	.9	8.4	79	24.1	95	98	58	0	0	2	1
CINCINNATI	79	59	83	56	69	-3	.8	.1	.6	10.1	89	28.4	100	97	54	0	0	2	1
CLEVELAND	76	59	80	56	68	-1	.7	0	.6	9.0	88	23.2	95	95	59	0	0	2	1
COLUMBUS	79	60	81	57	69	-1	.8	0	.7	10.6	91	23.0	85	92	51	0	0	2	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending August 31, 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 June 1	PCT. NORMAL SINCE June 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	78	60	80	57	69	-2	.3	-.4	.2	7.3	71	22.1	88	89	53	0	0	2	0
TOLEDO	78	59	81	54	68	0	1.7	1.0	1.4	11.1	111	25.2	113	97	57	0	0	4	1
YOUNGSTOWN	77	59	80	51	68	0	.6	-.2	.5	11.2	101	23.8	92	97	57	0	0	2	0
OK OKLAHOMA CITY	91	67	100	61	79	0	0	-.6	0	12.3	132	30.4	138	71	34	5	0	0	1
TULSA	92	68	102	58	80	0	0	-.8	0	11.9	108	34.1	128	81	36	5	0	0	0
OR ASTORIA	65	48	69	42	57	-3	.5	0	.5	5.0	99	21.6	56	97	65	0	0	1	0
BURNS	85	43	93	38	64	-1	0	0	0	.3	15	3.5	78	—	—	2	2	0	0
MEDFORD	88	52	98	46	70	1	1	-.1	0	.4	28	4.8	44	75	17	2	0	0	0
PENDLETON	84	57	93	49	70	1	0	-.1	0	1.3	86	5.0	67	47	19	2	0	0	0
PORTLAND	81	56	91	52	68	2	2	-.3	0	3.4	110	10.8	51	67	19	2	0	0	0
SALEM	80	46	92	41	63	-2	1	-.2	0	2.9	124	11.9	53	84	32	2	0	0	0
PA ALLENTOWN	79	64	84	58	71	1	1.7	-.6	-.9	16.0	133	26.7	90	92	60	0	0	2	0
ERIE	77	63	82	57	70	3	.5	-.5	.3	9.9	91	24.8	99	93	63	0	0	4	2
HARRISBURG	79	65	84	62	72	0	.4	-.5	.3	7.4	72	21.6	82	90	57	0	0	2	0
PHILADELPHIA	81	66	86	64	74	0	1.2	-.3	1.1	9.4	79	20.8	73	90	60	0	0	2	1
PITTSBURGH	76	59	79	51	67	-2	.7	0	.5	8.9	85	22.6	87	89	53	0	0	2	1
SCRANTON	74	61	81	55	68	0	1.6	-.8	.7	11.6	112	24.1	103	98	67	0	0	4	1
RI PROVIDENCE	76	64	85	54	70	2	5.8	4.9	3.4	17.2	175	29.8	102	94	65	2	0	5	3
SC CHARLESTON	88	71	91	69	80	1	4.8	3.5	3.7	27.6	135	36.6	95	98	62	0	0	6	1
COLUMBIA	86	67	90	63	76	-3	2.6	1.3	1.1	16.5	107	31.9	88	100	62	1	0	6	1
FLORENCE	85	69	88	65	77	-2	1.0	-.1	.5	12.4	82	23.6	73	98	61	0	0	4	0
GREENVILLE	83	68	86	65	75	-1	.5	-.5	.2	15.7	126	29.9	84	98	64	0	0	2	0
SD ABERDEEN	79	57	89	45	68	1	.5	-.1	.4	6.7	89	12.3	87	98	52	0	0	3	0
HURON	80	58	89	45	69	1	.2	-.3	-.1	9.6	127	17.5	119	99	57	0	0	2	0
RAPID CITY	87	58	94	48	72	4	.5	-.2	-.2	4.5	66	8.1	60	85	31	2	0	0	0
SIoux FALLS	76	59	82	46	67	-1	.9	-.2	-.9	9.3	97	20.6	114	98	70	0	0	2	0
TN CHATTANOOGA	83	67	89	65	75	-2	.5	-.3	-.3	10.2	90	28.0	78	99	62	0	0	2	1
KNOXVILLE	84	64	88	60	74	-2	.3	-.3	-.3	11.4	101	25.3	76	100	58	0	0	2	0
MEMPHIS	88	70	94	65	79	0	.6	-.2	.6	11.6	102	33.2	91	93	50	0	0	2	0
NASHVILLE	86	64	91	60	75	-2	.6	-.2	.5	7.3	67	21.9	64	97	52	1	0	1	0
TX ABILENE	93	70	97	67	82	1	.3	-.4	.3	7.1	100	16.9	108	72	29	7	0	2	0
AMARILLO	96	64	99	60	80	5	0	-.6	0	6.8	75	13.7	92	65	23	7	0	0	0
AUSTIN	96	74	101	73	85	2	.4	-.3	.4	7.6	105	16.9	83	83	34	7	0	1	0
BEAUMONT	93	73	97	70	83	1	.3	-.1	.2	20.6	139	41.9	123	98	54	7	0	3	0
BROWNSVILLE	92	74	97	72	83	-1	1.7	.8	1.6	12.8	182	21.3	151	97	53	5	0	0	1
CORPUS CHRISTI	92	74	97	72	83	-1	1.5	.4	1.2	6.5	74	20.3	113	87	49	5	0	2	1
DEL RIO	96	73	99	71	85	0	0	-.5	0	5.7	114	12.9	118	69	30	7	0	0	0
EL PASO	94	65	96	61	79	1	0	-.3	0	2.9	87	4.7	94	62	20	7	0	0	0
FORT WORTH	96	72	103	69	84	0	0	-.5	0	6.7	106	19.7	97	66	28	7	0	0	0
GALVESTON	89	78	91	74	83	1	1.1	-.1	1.1	13.0	111	30.1	120	81	56	3	0	1	1
HOUSTON	95	71	101	65	83	1	.1	-.9	.1	11.4	103	29.2	100	94	44	7	0	0	0
LUBBOCK	95	65	98	62	80	4	0	-.5	0	9.1	124	14.4	112	73	26	7	0	2	0
MIDLAND	97	68	100	65	83	4	0	-.4	0	3.9	83	7.2	78	66	23	7	0	0	0
SAN ANGELO	96	67	100	64	82	0	0	-.6	0	4.9	99	12.9	112	81	28	7	0	0	0
SAN LUIS VALLEY	94	71	98	68	82	-1	.1	-.7	.1	14.3	187	27.5	146	86	39	7	0	1	0
SAN ANTONIO	95	74	100	72	84	1	1.4	.3	1.4	10.1	97	30.6	133	95	44	6	0	2	1
VICTORIA	97	69	103	66	83	-1	0	-.6	0	7.0	111	17.2	83	87	31	7	0	0	0
WACO	95	67	101	63	81	-1	.4	-.2	.3	9.0	128	24.2	134	74	29	6	0	3	0
WICHITA FALLS	92	59	93	53	75	6	0	-.3	0	3.0	107	8.8	124	54	22	5	0	0	0
UT Blanding	93	60	97	57	77	7	0	-.2	0	1.7	62	6.5	93	49	17	7	0	0	0
Cedar City	96	66	101	60	81	9	0	-.2	0	2.2	85	9.4	88	48	17	6	0	2	0
SALT LAKE CITY	68	57	80	48	62	-2	1.9	1.0	1.3	10.8	99	21.4	95	90	63	0	0	6	1
VT BURLINGTON	87	71	91	66	79	3	.3	-.8	.2	14.8	106	28.0	89	92	52	2	0	2	0
VA NORFOLK	89	68	92	64	79	3	1.7	.7	.8	20.0	146	31.6	105	80	48	2	0	4	2
RICHMOND	84	64	87	59	74	1	.6	-.3	.4	14.7	137	31.3	116	88	50	0	0	2	0
ROANOKE	84	52	91	43	68	4	0	-.3	0	2.3	69	7.1	65	53	21	2	0	0	0
WA COLVILLE	68	45	72	36	56	-3	.4	-.4	.2	3.8	46	29.1	50	100	56	0	0	2	0
QUILLAYUTE	73	52	80	49	62	-1	.1	-.3	.1	3.5	104	11.4	54	85	40	0	0	1	0
SEATTLE-TACOMA	82	54	89	46	68	3	0	-.2	0	1.1	45	5.2	50	53	17	0	0	0	0
SPOKANE	85	47	95	40	66	-1	0	-.1	0	.5	47	2.4	49	73	22	2	0	0	0
YAKIMA	75	58	77	51	67	-1	0	-.8	0	11.4	96	25.9	86	99	62	0	0	2	0
WV BECKLEY	82	63	86	59	72	0	.2	-.6	.1	8.2	64	25.5	83	90	54	0	0	3	0
CHARLESTON	79	62	83	58	71	-2	.8	-.1	.5	14.0	119	29.7	101	99	60	0	0	4	0
HUNTINGTON	79	60	82	57	70	-2	.5	-.2	.3	5.7	45	20.2	65	100	57	0	0	2	0
PARKERSBURG	79	60	82	57	70	-2	.5	-.2	.3	5.7	45	20.2	65	100	57	0	0	2	0
WI GREEN BAY	73	57	80	52	65	0	2.4	1.7	1.4	14.4	150	25.3	129	96	67	0	0	4	2
LA CROSSE	76	60	81	58	68	0	1.1	.3	1.0	7.8	67	16.5	75	96	63	0	0	2	1
MADISON	74	56	78	46	65	-1	1.0	.2	.6	10.5	92	21.8	98	98	66	0	0	3	1
MILWAUKEE	74	60	82	57	67	0	.9	.2	.6	5.7	56	18.6	85	100	71	0	0	2	1
WAUSAU	72	56	77	48	64	0	1.1	.2	.9	11.5	95	20.3	90	95	60	0	0	3	1
WY CASPER	90	52	95	44	71	6	0	-.1	0	3.0	101	7.5	87	59	15	4	0	0	0
CHEYENNE	88	54	92	46	71	7	.1	-.2	.1	12.2	231	15.4	144	65	17	2	0	2	0
LANDER	87	55	92	50	71	6	0	-.1	0	2.8	105	5.6	68	48	16	3	0	0	0
SHERIDAN	88	55	97	47	71	7	0	-.3	0	2.7	65	6.8	61	68	21	3	0	0	0
PR SAN JUAN	89	75	92	73	82	0	2.1	-.7	.8	7.5	48	21.3	66	95	65	3	0	5	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

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

LAST DATE OF DATA COLLECTION PERIOD IS 8-31-1985
ACCUMULATIONS ARE FROM JANUARY 1
** = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK, WEEK WEEK WEEK, CUM CUM CUM CUM CUM, CUM CUM CUM CUM CUM, STATE CITY, CALL WEEK, WEEK WEEK WEEK, CUM CUM CUM CUM CUM, CUM CUM CUM CUM CUM. It lists cooling degree day data for various cities across the United States.

National Agricultural Summary

Aug 26 to Sept 1, 1985

HIGHLIGHTS: The Corn Belt continued receiving moisture, but below-normal temperatures slowed crop development. Cooler temperatures continued slowing crop maturity and development in the Great Plains, the Delta, and parts of the Southeast. Dryness returned to the Great Plains, southward to Texas, and reached into some Delta States. Soil moisture was generally adequate except for the Northeastern and Western States which were short. Fieldwork averaged 4-5 days in most areas.

Winter wheat harvest neared completion in the Pacific Northwest. Seeding was underway in 8 of the 18 major producing States. Cooler temperatures, which slowed spring wheat maturity, and rain slowed harvest with only 69 percent (%) of the crop harvested, compared with 82% normally. Corn was mostly good but below-normal temperatures slowed development. Corn was mature on 12% of the acreage, slightly behind normal. Soybeans were mostly good and 93% of the crop set pods, compared with 89% normally. Cotton bolls opened on 34% of the acreage, compared with 25% normally. Sorghum remained mostly good, with 48% of the acreage turning color. Peanuts were good and harvest progressed normally. Rice harvest advanced to 24% completion, 5 points behind normal. Flue-cured tobacco harvest trailed the normal pace in most States, but burley harvest was ahead of normal. Pastures improved in the eastern half of the Nation. Livestock was good and movement from summer pastures increased in the Western States.

SMALL GRAINS: Winter wheat harvest neared completion in the Pacific Northwest States. Harvest was 92% finished in Idaho, 95% complete in Montana, and 98% finished in Oregon. Seeding was underway in 8 of the 18 major producing States. Acreage seeded ranged from 1% in Kansas to 15% in Washington. Colorado producers were off to a slow start with seeding 6 points behind normal.

Cooler temperatures continued slowing spring wheat maturity with only 69% of the crop harvested, compared with the 82% normal. Rain slowed spring wheat harvest in Montana. Harvest was 19 and 42 points behind normal in North Dakota and Montana, respectively.

CORN: Rain fell throughout the Corn Belt, but below-normal temperatures continued slowing crop development. Overall, corn was mostly good; but southwestern corn was mostly good to fair. Ninety-one percent of the corn acreage reached the dough stage and 56 was in the dent stage or beyond. Corn was mature on 12% of the acreage. Corn dough and dent were 3 points ahead of normal, but corn mature was 1 point behind the average. Harvesting continued spreading, moving into the Appalachian States and Missouri.

SOYBEANS: Soybeans were mostly good. In the 19 major producing States, 93% of the crop set pods, compared with 89% last year and the average. Pod setting was ahead of normal in all States except Alabama, Kentucky, Michigan, Minnesota, and the Carolinas. Soybeans were turning yellow and shedding leaves as far north as Minnesota.

COTTON: Cotton was mostly good, but low moisture supplies began slowing crop development in portions of the Delta and in Texas. Bolls were opening on 34% of the acreage, compared with 22% last year and 25% normally. Cotton was 13% harvested in Texas, 4 points ahead of 1984 and 3 points above the average. Dryland fields began shedding bolls from the lack of moisture. Most of the cotton fields were harvested in South Texas and the Coastal Bend area.

SORGHUM: Conditions remained mostly good, with 48% of the acreage turning color, equalling last year and the average. About a fourth of the crop was mature, slightly below the average. The Texas harvest was 59% complete, compared with 63% normally. Harvest wound down in the Blacklands, Cross Timbers, and Upper Coast areas. Dryland sorghum in the High Plains was moisture stressed.

OTHER CROPS: Peanuts were good with harvest progressing normally. A third of the Mississippi acreage was harvested. Georgia and Alabama peanuts were 7 and 10% harvested, respectively.

Rice harvest advanced to 24% completion; 28% was harvested last year and normally 29% is cut. Harvest was underway in all States except California. Rain and violent weather slowed harvest in Louisiana with only 57% of the crop harvested, compared with 65% normally. Harvest was 33 points behind normal in Texas, mostly due to late planting.

Flue-cured tobacco harvest was active in all producing areas, but trailed the normal pace in most States. Harvest was slightly more than half finished in Virginia and North Carolina and nearly finished in Georgia. Burley harvest was 5 and 15 points ahead of normal in Tennessee and Kentucky, respectively.

VEGETABLES: Summer vegetable harvest drew to a close while fall vegetable harvest continued gaining momentum. Florida vegetable growers continued planting and transplanting fall vegetables and preparing land. Damage to vegetables from Hurricane Elena was minimal, but some replanting may be necessary. Showers provided much needed moisture to Texas' vegetable areas. Fall vegetable planting continued between rain showers. Hot weather slowed lettuce planting in California's Palo Verde Valley and lettuce began emerging in the San Joaquin Valley. Broccoli and celery planting was active.

FRUIT AND NUTS: Apple harvest continued increasing. Peach harvest neared completion in the Northeast. Hurricane Elena bypassed Florida's citrus belt. Growers continued testing new crop fruit but none was picked for fresh markets. Fruit sized well in Texas citrus groves. Damage from birds has been moderate thus far. Valencia orange harvest slowed in California. Apples, grapes, nectarines, peaches, pears, plums, prunes, almonds, and pistachios were actively harvested.

LIVESTOCK AND PASTURE: Pastures continued improving in the eastern half of the Nation. Dryness continued reducing pasture growth in the Western States. Livestock was mostly good but movement from summer pastures increased in the Western States.

CROP PROGRESS WEEK ENDING SEPT 1, 1985

	SORGHUM % HEADED		CORN % DOUGH		CORN % DENT		CORN % MATURE	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	97	NA	92	81	49	39	0	0
KANS	90	85	100	100	99	100	96	95
MO	95	88	98	94	77	68	12	9
NEBR	100	100	92	87	65	45	8	5
OKLA	95	97	95	90	60	56	5	0
S DAK	92	92	100	100	86	72	20	20
TEX	96	95	90	90	25	30	30	13
7 STATES	94	NA	86	86	33	45	0	0
EXCL. STATES WITH NA	94	91	99	92	92	85	29	19
			94	90	40	40	1	0
			100	95	98	86	80	65
			100	90	70	45	15	5
			75	77	28	24	4	0
			62	69	26	37	4	7
			95	NA	85	NA	64	NA
			65	71	24	33	3	4
17 STATES	91	NA	91	89	57	52	12	NA
EXCL. STATES WITH NA	91	88	56	52	53	53	10	7
								11

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

NA = NOT AVAILABLE

	SORGHUM % MATURE		WINTER WHEAT % PLANTED		WHEAT % HARVESTED		SOYBEANS % SETTING PODS	
	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.	1985	1984 AVG.
ARK	48	NA	0	0	70	54	83	76
KANS	1	3	0	0	55	94	77	71
MO	27	27	6	8	85	95	91	87
NEBR	0	0	0	0	61	94	100	100
OKLA	10	5	0	0	90	99	100	95
S DAK	2	4	0	0	90	99	100	98
TEX	65	63	0	0	90	97	85	85
7 STATES	25	NA	5	0	5	5	92	76
EXCL. STATES WITH NA	24	24	1	3	69	94	94	83
			0	0	92	92	100	94
			3	0	92	92	67	69
			0	0	92	92	100	90
			5	4	92	92	63	79
			0	0	92	92	93	75
			15	10	92	92	85	86
18 STATES	2	2	15	10	92	92	85	80
EXCL. STATES WITH NA	48	48	2	2	92	92	93	89

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

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

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

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

State Summaries of Weather and Agriculture

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

ALABAMA: Rainfall mostly less than 1.00 in. statewide. Totals over 1.00 in. mainly southern half of State. Temperatures averaged 1 to 20 below normal.

Fieldwork 4.5 days. Soil moisture 4% short, 76% adequate, 20% surplus. Corn harvested 59%, 33% 1984, 45% avg.; 11% poor, 33% fair, 47% good, 9% excellent. Soybeans blooming 98%, 94% 1984; setting pods 83%, 76% 1984, 86% avg.; turning color 12%, 5% 1984; 23% fair, 68% good, 9% excellent. Cotton bolls open 30%, 16% 1984, 18% avg.; 14% fair, 75% good, 11% excellent. Sorghum harvested 25%, 15% 1984; 26% fair, 72% good, 2% excellent. Peanuts dug 10%, 5% 1984, 5% avg.; 7% fair, 93% good. Pastures 18% fair, 76% good, 6% excellent. Livestock 11% fair, 82% good, 7% excellent. Primary activities: Controlling insects, diseases on row crops; harvesting sorghum, corn, hay, peanuts; preparing land for winter grazing; routine care of livestock, poultry. No damage assessment of crops in southwestern State due to Hurricane Elena available at this time.

ALASKA: Weather generally wet, cool. Temperatures averaged from 70 below normal in the interior to 30 above normal Matanuska Valley. Precipitation averaged 1.33 in. below normal Palmer to 1.77 in. wetter than normal Kodiak.

Day suitable for fieldwork 4.0. Topsoil moisture 74% adequate, 26% surplus. Subsoil moisture 85% adequate, 15% surplus. Grain, hay harvest delayed, wet conditions. Barley grain 80% turning color; 20% ripe. Some light to moderate lodging occurred, small grains. Vegetable harvest continued. Early potato harvest began.

ARIZONA: Normal Monsoon weather prevailed with scattered showers, thunderstorms. Most activity over eastern two-thirds. Precipitation amounts ranged from 0.10 to over 1.00 in., locally 1.50 in. over central basin, Mogollon Rim, White Mountains. Average temperatures varied from 2 to 90 above seasonal normals.

Cotton 77% good, 23% excellent; open bolls 70%, 70% 1984, 45% avg. Insect infestation about normal. Alfalfa harvest moderate, stands good condition. Market activity slow, prices steady. Growers stacking much of current production. Sorghum good condition. Most acreage headed out, much of crop turning color. Sesame harvest underway. Lemon picking increased. Fruit quality good. All shippers in Yuma area expected to do some picking by 7th. Light volumes green onions packed Salt River Valley. Apple packing increased, volumes remained light. Few chipper potatoes, some watermelons harvested Willcox area. Most ranges dry. Stockwater supplies short except for localized areas high elevations. Cattle, calves, sheep, lambs, fair to good condition. Range feed supplies below average except high elevation pastures northern half. Insect damage light.

ARKANSAS: Temperatures 10 below normal to 40 above normal. Hot, dry. Temperature extremes 50; 107.0. Precipitation none to 0.10 in.

Days suitable for fieldwork 7.0. Soil moisture 72% short, 28% adequate. Cotton bolls 35% opening; 10% 1984, 23% avg. Cotton 9% fair, 56% good, 35% excellent. Winter wheat none planted, none 1984, none avg. Rice 93% headed, 81% 1984, 88% avg. Rice 7% harvested, 3% 1984, 5% avg.

Rice 9% fair, 81% good, 10% excellent. Sorghum 97% headed. Sorghum 79% coloring; 48% mature. Sorghum 31% fair, 61% good, 8% excellent. Soybeans 77% setting pods, 71% 1984, 70% avg. Soybeans 2% poor, 22% fair, 76% good.

CALIFORNIA: Temperatures above normal with few stations receiving measurable rainfall. Only couple locations with temperature averages below normal. Los Angeles, Corona 10 to 110 above normal. Temperatures ranged from a low 300 Alturas to a high of 1200 Thermal.

Farmers continued preparing fields for next season's small grain crop. Winter wheat none planted, none 1984, none avg. Rice 85% headed, 95% 1984, 82% avg. Rice none harvested, 1% 1984, none avg. Rice 100% good. Cotton 50% open bolls, 55% 1984, 38% avg. Cotton 100% good. Sugarbeets, safflower harvest continued. Early planted corn harvested for grain. Alfalfa cut for hay. Harvest of apples, grapes, nectarines, peaches, pears, plums, prunes, almonds, pistachios active. Some brown rot Clingstone peaches. Valencia orange harvest slowed. Wine grapes beginning to go to wineries. Broccoli, cauliflower light to moderate supply central coast; planting active central, southern districts. Cantaloup harvest active, demand light. Celery harvest fairly light central coast, planting active south coast. Lettuce harvest fairly heavy central coast. Fields emerging San Joaquin Valley, planting slowed Palo Verde Valley by hot weather. Salt Marsh caterpillar damage. Harvest summer potatoes slowed by poor prices. Fall potatoes ready for harvest, demand poor. Market tomato harvest continued San Joaquin Valley, coastal areas. Processing tomato harvest slowing southern San Joaquin Valley; active Sacramento, northern San Joaquin Valleys; increased coastal districts. Supplemental feeding increased most grazing districts as range feed conditions declined. Movement livestock from summer pastures started. Sheep grazing stubble.

COLORADO: Hot, dry throughout State. Average temperatures 2 to 70 above normal.

Days suitable for fieldwork 6.5. Soil moisture 62% short, 38% adequate. Winter wheat 6% seeded, 8% 1984, 12% avg.; less than 1% emerged, 3% 1984, 6% avg. Corn 19% good, 81% excellent; 92% in dough, 87% 1984, 81% avg.; 49% dented, 48% 1984, 39% avg. Barley 79% harvested, 67% 1984, 73% avg. Sorghum 87% headed, 90% 1984, 90% avg.; 23% turning color, 37% 1984, 33% avg. Dry beans 20% cut, 24% 1984, 19% avg.; 6% threshed, 8% 1984, 5% avg. Range feed, livestock good.

FLORIDA: Routine partly cloudy skies with highs in low 90's through midweek gave way to near hurricane conditions by 29th as Hurricane Elena's eye moved to within 100 nautical miles northwest of Tampa. General storm conditions covered northern, western half State with near hurricane winds; rainfall amounts to 6.00 in., leaving only extreme southeast with any sun.

Soil moisture adequate to surplus. Daily showers hampering hay, corn, peanut harvesting. Corn harvest declining seasonally. Soybeans good. Open cotton damage by recent storm; 10% open bolls. Hay quality reduced by poor curing conditions. Sugarcane good condition. Peanut harvest underway. Widespread rainstorms, showers stimulated rapid forage growth. Pastures good to excellent condition except for surplus water many

low lying coastal, mostly upper Peninsula areas. Cattle, calves good to excellent flesh. Calf marketings increasing. Hurricane Elena's major winds by passed Citrus belt. Numerous rains all areas; very few caretakers reported excess moisture. New crop fruit testing continued, but no fruit yet picked for fresh markets. Typical summer weather continued most vegetable areas, until late week when Hurricane Elena visited west coast. Damage to vegetable crops minimal. Some replanting expected as damage becomes evident. Greenhouse damage may limit tomato plant supplies. Land preparation continued. Planting, transplanting activities increasing for all fall vegetables.

GEORGIA: Rainfall near 0.50 in. or less mountains, 1.00 to 2.00 in. across central counties, 2.00 to 4.00 in. southwest, 5.00 to 7.00 in. southeast. Rain associated with Hurricane Elena. Heaviest rainfall 4.50 in. at Evans in 24-hour period. Temperatures from 570 Blairsville, Clayton to 940 at Byron. Temperatures 10 below normal north, 2 to 30 below normal central and south.

Days suitable for fieldwork 3.5. Soil moisture 1% very short, 7% short, 57% adequate, 35% surplus. Main activities: Harvesting corn, hay, tobacco, peanuts; insect, disease and weed control. Corn 99% dent, 100% 1984, 100% avg.; 96% mature, 95% 1984, 97% avg.; 54% harvested, 54% 1984, 65% avg. Corn 1% very poor, 7% poor, 34% fair, 53% good, 5% excellent. Cotton 28% bolls open, 24% 1984, 40% avg.; none harvested, none 1984, 3% avg. Cotton 3% poor, 28% fair, 65% good, 4% excellent. Grain sorghum 1% poor, 25% fair, 71% good, 3% excellent. Peanuts 7% dug, 5% 1984, 9% avg.; 3% threshed, 2% 1984, 4% avg.; 16% fair, 79% good, 5% excellent. Soybeans 98% blooming, 98% 1984, 97% avg.; 91% setting pods, 87% 1984, 86% avg.; 6% dropping leaves, 5% 1984, 9% avg. Soybeans 16% fair, 79% good, 5% excellent. Tobacco 92% harvested, 93% 1984, 96% avg.; 47% fair, 53% good. Apples 39% harvested, 64% 1984, 65% avg.; 3% poor, 38% fair, 57% good, 2% excellent. Pecans 8% poor, 41% fair, 51% good. Pastures 16% fair, 78% good, 6% excellent. Hay 4% poor, 24% fair, 69% good, 3% excellent. Cattle 17% fair, 82% good, 1% excellent. Hogs 20% fair, 79% good, 1% excellent.

HAWAII: Crops made fair to good progress as variable weather conditions continued. Temperatures averaged in upper 80s with variable trade winds. Scattered showers mainly on windward and mountain areas. Output of Head cabbage, Head lettuce expected to be moderate. Moisture conditions adequate for orchard crops in most areas. Papaya production on a seasonal decline.

IDAHO: Southwesterly flow produced hot, dry conditions. Temperatures above normal in every region; rainfall well below normal. Spotty shower activity, most showers light. Extremely dry conditions. Mountain Home reported a high of 1000 for high temperature in State. In southeast Grace reported 0.09 in. of precipitation. Some cooling late in week as low pressure moved over area. Little moisture accompanied system.

Days suitable for fieldwork 7.0. Potatoes 34% not yet turning color; 54% turning; 10% vines dying/killed; 2% harvested. Winter wheat 92% harvested, 74% 1984, 76% avg.; 5% planted. Spring wheat 70% harvested, 54% 1984, 58% avg. Barley 72% harvested, 50% 1984, 56% avg. Oats 83% harvested. Alfalfa second cutting 94% baled, 82% 1984, 84% avg.; third cutting 4% baled. Dry beans 19% harvested, 1% 1984, 4% avg. Dry peas 100% harvested, 94% 1984, 85% avg. Lentils 100% harvested 74% 1984, 60% avg. Onions 24% dug, 12%

1984, 15% avg. Sweet corn for processing 62% picked, 68% 1984, 60% avg. Mint 82% harvested, 84% 1984. Peaches 45% picked. Potatoes 16% fair, 84% good. Sugarbeets 7% fair, 79% good, 14% excellent. Corn 14% fair, 79% good, 7% excellent. Overall remaining fruit 100% good. Livestock good. Range, pastures adequate.

ILLINOIS: Temperatures 3 to 50 below normal, coolest northeast. Precipitation scattered, none to 1.33 in.; heaviest east.

Days suitable for fieldwork 4.5. Soil moisture 13% short, 73% adequate, 14% surplus. Corn dough stage 98%, 94% 1984, 97% avg.; dented 77%, 68% 1984, 73% avg.; mature 12%, 9% 1984, 18% avg. Corn 5% fair, 59% good, 36% excellent. Soybeans setting pods 100%, 100% 1984, 99% avg.; turning yellow 15%, 18% 1984, 21% avg.; shedding leaves 3%, 4% 1984, 5% avg. Soybeans 4% fair, 65% good, 31% excellent. Winter wheat planted none, none 1984, none avg. Alfalfa third crop cut 76%, 77% 1984, 72% avg.; 1% poor, 17% fair, 58% good, 24% excellent. Sorghum 8% fair, 73% good, 19% excellent. Pasture 5% poor, 17% fair, 58% good, 20% excellent.

INDIANA: Maximum temperatures upper 70's to low 80's with minimum temperatures upper 50's to low 60's. Temperatures 1 to 20 above normal northern third, 1 to 20 below normal rest of State. Rainfall generally 0.25 to 0.50 in. below normal except central district about 0.25 in. above normal. Totals from 0.10 to 2.30 in.

Fieldwork averaged 4.9 days. Topsoil moisture 3% short, 88% adequate, 9% surplus. Subsoil moisture 12% short, 86% adequate, 2% surplus. Corn 8% mature, 5% 1984, 7% avg.; 65% dented, 45% 1984, 50% avg.; 98% in dough, 95% 1984, 93% avg. Corn 1% poor, 20% fair, 67% good, 12% excellent. Soybeans 100% set pods, 95% 1984, 95% avg. Soybeans 10% turning yellow, 10% 1984, 15% avg. Soybeans 1% poor, 10% fair, 75% good, 14% excellent. Wheat none planted, none 1984, none avg. Wheatland 15% plowed, 13% 1984, 15% avg. Tobacco 20% harvested, 10% 1984, 10% avg. Silos 10% filled, 10% 1984, 10% avg.

IOWA: Warm, humid week. Moderate to heavy rains 28th to 30th northern districts. Little or none southern districts. Precipitation to 8.40 in. 29th. Record rainfall caused localized flooding.

Days suitable for fieldwork 4.5. Topsoil moisture 13% short, 77% adequate, 10% surplus. Subsoil moisture 45% short, 54% adequate, 1% surplus. Corn dough stage 92%, 87% 1984, 85% avg.; dented 60%, 58% 1984, 56% avg.; mature 5%, none 1984, 5% avg. Corn 3% poor, 17% fair, 60% good, 20% excellent. Soybeans setting pods 100%, 98% 1984, 98% avg. Soybeans 4% poor, 14% fair, 65% good, 17% excellent. Third crop alfalfa hay harvested 65%, 59% 1984, 62% avg. Hay 7% poor, 31% fair, 53% good, 9% excellent. Pastures 2% very poor, 12% poor, 36% fair, 43% good, 7% excellent. Livestock good.

KANSAS: Scattered showers, thunderstorms produced 0.10 to 0.30 in. north and east central early, midweek with little or no moisture elsewhere. Temperatures averaged 77 to 80; 20 above normal southeast, 90 above normal northwest, 60 above normal elsewhere.

Days suitable for fieldwork 5.0. Topsoil moisture 11% short, 86% adequate, 3% surplus. Wheat 1% seeded, 1% 1984, 1% avg. Sorghum 90% headed, 85% 1984, 85% avg. Sorghum 25% coloring, 25% 1984, 25% avg. Sorghum 1% mature, 3% 1984, 2% avg. Sorghum 8% fair, 16% good, 76% excellent. Greenbugs present but good control with parasitic wasp. Corn 95% dough, 95% 1984, 90% avg. Corn 70% dent, 50% 1984, 50% avg. Corn 20% mature, 20% 1984, 20% avg. Corn 2% fair, 14% good, 84%

Illent. Spider mites in western areas. Beans 85% podding, 85% 1984, 75% avg. Soybeans good, 83% excellent. Range, pastures good to excellent. Haying in progress, fourth cutting of alfalfa 25% complete.

KENTUCKY: Cold fronts moved through State early week, 30th. Both produced rains over portions of State. Temperatures below normal first part of week, by September 2nd lower 90's. Weekly average temperatures near normal to about 2° below. Precipitation averaged below normal with scattered amounts 0.50 to as much as 2.00 in.

Days suitable fieldwork 4.4. Soil moisture 4% short, 85% adequate, 11% surplus. Corn 100% dough or beyond, 100% 1984, 96% avg.; 86% dented or beyond, 72% 1984, 72% avg.; 30% mature, 13% 1984, 20% avg.; 6% fair, 63% good, 31% excellent. Some farmers shelling mature corn. Corn for silage harvest 20% complete. Soybeans 72% podded or podding, 70% 1984, 76% avg.; 10% fair, 68% good, 22% excellent. Burley tobacco 48% cut, 28% 1984, 33% avg.; 13% fair, 69% good, 18% excellent. Few disease problems but localized grasshopper damage. Dark tobacco 52% cut, 31% 1984, 34% avg. Grain sorghum mostly good. Hay, apple, pepper harvests continued. Pastures showing good growth.

NEBRASKA: Temperatures averaged 8° above normal west and Panhandle, 3° above normal east. Precipitation ranged from 0.10 in. Panhandle to 0.50 in east.

Days suitable for fieldwork 5.8. Topsoil moisture 22% short, 76% adequate, 2% surplus. Subsoil moisture 20% short, 80% adequate. All corn 2% fair, 71% good, 27% excellent. Irrigated corn 2% fair, 66% good, 32% excellent. Non-irrigated corn 2% fair, 81% good, 17% excellent. Corn dough 94%, 90% 1984, 85% avg.; dent 40%, 40% 1984, 40% avg.; mature 1%, none 1984, 2% avg. Soybeans 6% fair, 79% good, 15% excellent. Soybeans setting pods 100%, 94% 1984, 100% avg.; leaves turning color 9%, 6% 1984, 10% avg. Sorghum 8% fair, 78% good, 14% excellent. Sorghum headed 100%, 92% 1984, 100% avg.; coloring 20%, 30% 1984, 40% avg.; mature none, none 1984, none avg. Wheat planted 1%, 3% 1984, 2% avg.

NEVADA: Temperatures above normal northern and central areas, much above extreme south where new daily maximum records recorded. Cloudiness late in period provided some cooling northwest. Decaying Pacific tropical storm brought light showers scattered areas, wind gusts to 4 mph end of week. Temperature extremes 32°; 117°.

Alfalfa hay second cuttings nearing completion. Third cuttings well along. Good progress cutting wild hay acreage. Alfalfa seed harvest gaining momentum. Garlic digging completed. Potato digging started on limited basis. Ranges extremely dry. Cattle coming off high elevation ranges earlier than usual.

NEW ENGLAND: Rainfall most areas across region ranged from 1.50 to 2.50 in. Extremes northern Maine 0.50 in.; Rhode Island, eastern parts of Massachusetts, Connecticut with over 4.00 in. Temperatures ranged between 50° north, 70° south except for Rhode Island, southern Connecticut a little above normal.

Days suitable for fieldwork 4.2. Soil moisture 60% short, 40% adequate north; 50% adequate, 50% surplus south. Fieldwork slowed, second crop hay 80% cut; quality good to excellent. Field corn 70% good, 30% excellent. Sweet corn 70% harvested southern States; quality good to excellent all areas. Maine potato crop good.

NEW JERSEY: Temperatures averaged 1 to 3° above normal. Extremes 44°; 89°. Weekly rainfall averaged 0.79 in. north, 0.08 in. central, 0.23

in. south. Heaviest 24-hour total 1.16 in. on 30th, 31st. Estimated soil moisture, in percent of field capacity, averaged 89% north, 81% central, 61% south. Four inch soil temperatures averaged 69° north, 71° central, 72° south.

Fieldwork active. Fall vegetables growing well. Early harvest beginning. Irish potato digging active. Summer vegetable movement tapering off. Sweetpotato growth good. Harvest waiting for improved market conditions. Peach harvest about complete; marketings continue to be available from storages. Harvest of fall variety apples increasing. Cranberries sized, colored well. Corn silage harvest becoming general. Soybeans, corn for grain maturing under generally ideal conditions. Pastures growth good.

NEW MEXICO: Average temperatures above normal statewide. Temperatures 35° Central Valley, Highlands to 100° southeastern Plains, northeastern Plains. Meager rainfall, up to 0.58 in. northern mountains.

Days suitable for fieldwork 6.6. Soil moisture 25% short, 75% adequate. Hail damage 62% none, 38% light. Alfalfa 40% fair, 60% good. Cotton 50% fair, 50% good; 15% open bolls, 35% 1984, 25% avg. Corn 14% fair, 86% good. Irrigated grain sorghum 17% fair, 66% good, 17% excellent. Dryland grain sorghum 34% fair, 33% good, 33% excellent. Pecans 100% good. Apples 57% fair, 43% good. Chile 100% good. Lettuce 50% fair, 50% good. Onions 100% good; harvest nearing completion. Cattle 18% fair, 82% good. Sheep 11% fair, 89% good. Range 55% fair, 36% good, 9% excellent.

MINNESOTA: Heavy rainfall southern third midweek; intermittent showers elsewhere. Temperatures averaged 1° above normal southeast, normal to 2° below normal elsewhere. Temperature extremes 37°; 84°. Precipitation averaged 0.18 in. below normal to 1.12 in. above normal. Greatest weekly total 3.13 in.

Days suitable for fieldwork 2.6. Topsoil moisture 4% short, 45% adequate, 51% surplus. Corn 86% dough, 90% 1984, 86% avg.; 33% denting, 45% 1984, 44% avg.; none mature, 2% 1984, 2% avg.; 1% very poor, 12% poor, 33% fair, 46% good, 8% excellent. Soybeans 16% turning yellow, 21% 1984, 22% avg.; 1% shedding leaves, 3% 1984, 4% avg.; 3% very poor, 7% poor, 37% fair, 44% good, 9% excellent. Spring wheat 55% harvested, 94% 1984, 88% avg. Oats 86% harvested, 98% 1984, 96% avg. Barley 79% harvested, 98% 1984, 96% avg. Sunflowers 26% dropping ray petals, 66% 1984, 66% avg.; 8% bracts turning yellow, 15% 1984, 34% avg.

MISSISSIPPI: Temperatures seasonable. Extremes 54°; 97°. Greatest 24-hour rainfall 2.50 in. Newton.

Fieldwork 5.0 days suitable, 4.9 1984, 5.1 avg. Soil moisture 10% short, 84% adequate, 6% surplus. Cotton 57% open bolls, 19% 1984, 40% avg.; 4% poor, 23% fair, 64% good, 9% excellent. Soybeans 92% podding, 76% 1984, 79% avg.; 3% poor, 19% fair, 71% good, 7% excellent. Rice 100% heading, 92% 1984, 94% avg.; 20% harvested, 4% 1984, 6% avg.; 100% good. Grain sorghum 85% ripe, 49% 1984; 23% harvested, 9% 1984, 16% avg.; 27% fair, 70% good, 3% excellent. Corn 95% mature, 61% 1984, 73% avg.; 34% harvested, 19% 1984, 21% avg.; 4% poor, 25% fair, 64% good, 7% excellent. Corn silage 80% harvested, 56% 1984. Sorghum silage 73% harvested, 46% 1984. Sweetpotatoes 15% harvested, 16% 1984, 13% avg. Peanuts 33% harvested, 31% 1984. Watermelons 83% harvested, 88% 1984. Hay 77% harvested, 77% 1984, 82% avg. Pasture 17% fair, 73% good, 10% excellent.

MISSOURI: Temperatures averaged 2° below normal, warmed-up by weekend. Precipitation

slight to non-existent. Heaviest 0.30 in. Bootheel.

Days suitable for fieldwork 4.0. Topsoil moisture 2% short, 74% adequate, 24% surplus. Corn 13% fair, 65% good, 22% excellent. Corn dough 99%, 92% 1984, 93% avg.; dent 92%, 85% 1984, 78% avg.; mature 29%, 19% 1984, 25% avg. Harvesting just underway. Soybeans 1% poor, 9% fair, 71% good, 19% excellent. Soybeans setting pods 94%, 83% 1984, 80% avg. Grain sorghum 13% fair, 69% good, 18% excellent; heading 95%, 93% 1984, 88% avg.; coloring 61%, 66% 1984, 69% avg.; mature 27%, 27% 1984, 26% avg. Cotton 14% fair, 86% good; bolls open 13%, 15% 1984, 26% avg. Third crop alfalfa 84% cut. Fourth crop 16% cut. Pasture 13% poor, 16% fair, 64% good, 17% excellent.

MONTANA: Rather warm week as temperatures averaged 3 to 80 above normal. Very warm first of week, maximum temperatures in 90s, 100s. General cooling trend at end of week. Precipitation mostly light. West, southwest less than 0.10 in. Elsewhere amounts ranged from less than 0.10 to 0.25 in. Some heavy thundershowers midweek left 0.50 to near 2.00 in. scattered areas of northeast, southeast. Some 1.00 in. hail accompanied thundershowers.

Days suitable for fieldwork 5.2. Topsoil moisture 33% short, 67% adequate. Subsoil moisture 79% short, 21% adequate. Crop progress: Winter wheat harvested 95%, 100% 1984, 90% avg. Spring wheat harvested 85%, 95% 1984, 70% avg. Barley harvested 85%, 90% 1984, 70% avg. Oats harvested 85%, 90% 1984, 70% avg. Alfalfa hay second cutting 85%, 80% 1984, 70% avg. Winter wheat planted 5%, none 1984, 2% avg. Livestock moved from summer ranges; cattle, calves 35%; sheep, lambs 35%. Range feed 86% short, 14% adequate. Stockwater 58% short, 42% adequate.

LOUISIANA: Temperatures averaged 20 below normal to 20 above normal. Temperature extremes 600; 1030. Rain totals averaged none to 0.85 in.

Days suitable for fieldwork 4.6. Soil moisture 29% short, 51% adequate, 20% surplus. Cotton 17% poor, 40% fair, 43% good; 70% open bolls, 16% 1984, 29% avg. Cotton 1% harvested, none 1984, 1% avg. Rice 12% poor, 33% fair, 48% good, 7% excellent; 97% headed, 96% 1984, 96% avg. Rice 77% ripe, 71% 1984, 76% avg.; 57% harvested, 63% 1984, 65% avg. Soybeans 10% poor, 25% fair, 55% good, 10% excellent; 99% blooming, 100% 1984, 98% avg. Soybeans 92% setting pods, 93% 1984, 87% avg.; 7% leaves turning, 9% 1984, 12% avg. Sorghum 49% fair, 44% good, 7% excellent; 98% turning color, 96% 1984, 91% avg.; sorghum 24% ripe, 74% 1984, 71% avg.; 58% harvested, 49% 1984, 47% avg. Corn fair to good; 99% mature, 96% 1984, 96% avg. Corn 78% harvested, 69% 1984, 65% avg. Sweetpotatoes fair to good; 42% harvested, 30% 1984, 32% avg. Hay final cutting 58% complete, 49% 1984, 34% avg. Sugarcane fair; 4% planted, 6% 1984, 12% avg. Pastures, livestock fair to good; vegetables fair.

MARYLAND & DELAWARE: Maryland: Temperatures near normal to 30 above normal. Precipitation averaged 1.13 in. ranging from 0.49 to 2.65 in. Low temperatures mid 50's to low 60's. High temperatures mid 80's to near 90.

Fieldwork 5.2 days. Topsoil, subsoil mostly adequate except some dry areas in north Eastern Shore, soil moisture short. Corn mostly good except for some areas affected by dry conditions earlier. Corn 90% dough, 95% 1984, 90% avg.; 75% dented, 50% 1984, 65% avg.; 25% mature, 3% 1984, 15% avg. Corn silage 30% cut, 25% 1984, 35% avg. Corn for grain 5% harvested, none 1984, 1% avg. Soybeans 75% podded, 80% 1984, 80% avg. Soybeans

10% turned, 2% 1984, 5% avg. Tobacco topped 75%. Tobacco 50% harvested, 60% 1984, 60% avg. Apple harvest 20% completed, 80% 1984, 70% avg. Third cutting of alfalfa hay 100%, 95% 1984, 90% avg. Fourth cutting of alfalfa hay 25% complete, 20% 1984, 25% avg. Third cutting of other hay 100% completed, 70% 1984, 70% avg. Fourth cutting other hay 30% complete.

Delaware: Temperatures near normal to 20 above. Precipitation averaged 0.67 in. ranging from 0.29 to 0.95 in. Lows mostly in upper 50's, highs mid to upper 80's

Fieldwork 6.3 days. Corn 100% dough, 95% 1984, 90% avg. Corn silage 25% cut, 20% 1984, 25% avg. Corn for grain 5% harvested, none 1984, 2% avg. Soybeans 100% bloomed, 95% 1984, 95% avg. Soybeans podded 75%, 90% 1984, 80% avg. Soybeans turned 30%, 5% 1984, 5% ag.

MICHIGAN: Temperatures averaged 10 above normal. Early week heavy rains limited fieldwork.

Days suitable for fieldwork 3.2. Rains hampered fieldwork. Soil moisture supplies 8% short, 55% adequate, 37% surplus. Corn 90% dough, 90% 1984, 91% avg.; 25% denting, 30% 1984, 33% avg.; none mature, none 1984, 3% avg. Corn 5% poor, 20% fair, 50% good, 25% excellent. Winter wheat none planted, none 1984, none avg. Soybeans 85% setting pods, 100% 1984, 100% avg. Soybeans 5% poor, 15% fair, 55% good, 25% excellent. Fruit, vegetable harvest continued; quality, size remained excellent.

NEW YORK: Unusually wet, especially in relation to drought conditions which prevailed for so long. Measurable precipitation somewhere in State each day. Greatest rainfall over extreme southern areas; western third driest. Several frontal systems important in week's weather. Oriented from west to east. Dropped south as cold fronts, returned north as warm fronts. Number of low pressure areas along fronts responsible for heavier rainfall.

Days suitable for fieldwork 5.0. Soil moisture mostly short, some adequate. Rain helped alleviate drought. Corn variable. Some good, others leaves curled, browning at bottom of stalk. Oat harvest 85% complete, 76% 1984, 85% avg. Fields worked for fall wheat planting. Second cut alfalfa hay harvest 85% complete, 86% 1984, 89% avg. Third cutting alfalfa hay harvest 24% complete, 19% 1984, 32% avg. Harvesting of Paula Red, Tydeman, Early Macs, Red Cortland apples. Aurora wine grapes harvested. Onions harvested, good yields. Pastures poor to fair.

NORTH CAROLINA: Temperatures averaged near normal mountains, Piedmont; coastal sections 2 to 30 above normal. Rainfall ranged from 0.13 to 3.86 in.

Days suitable for fieldwork 4.5. Soil moisture 2% short, 62% adequate, 36% surplus. Tobacco 1% poor, 20% fair, 72% good, 7% excellent; flue-cured harvested 58%, 75% 1984, 75% avg. Burley harvested 16%, 10% 1984, 17% avg. Corn 8% poor, 23% fair, 62% good, 7% excellent; dent 98%, 86% 1984, 92% avg.; mature 80%, 65% 1984, 73% avg. Corn harvested for silage 49%, 35% 1984, 52% avg.; harvested for grain 15%, 6% 1984, 14% avg. Cotton 17% fair, 83% good; open bolls 24%, 18% 1984, 34% avg. Peanuts 17% fair, 83% good. Soybeans 15% fair, 75% good, 10% excellent; flowered 92%, 87% 1984, 89% avg.; pods set 67%, 69% 1984, 68% avg. Grain sorghum 5% poor, 20% fair, 69% good, 6% excellent; harvested 15%. Hay 27% fair, 68% good, 5% excellent. Sweetpotatoes 6% fair, 84% good, 10% excellent; harvested 8%. Apples 10% poor, 57% fair, 33% good; harvested 19%, 8% 1984, 18% avg. Pasture 22% fair, 71% good, 7% excellent. Major farm activities: Topping, suckering, harvesting and marketing tobacco; cutting silage; spraying

soybeans, peanuts and cotton; harvesting vegetables; scouting for weed and insect control; harvesting hay; some apple harvest; shearing Christmas trees; preparing grounds; harvesting corn; digging sweetpotatoes; mowing and general farm maintenance.

NORTH DAKOTA: Continued cool weather with widely scattered thundershowers. Precipitation over entire State with light amounts west, heavier amounts east. District precipitation totals ranged from 0.05 west central to 0.76 east central. Average temperatures ranged from 20 below normal north central to 30 above normal northwest. Extremes 39° northeast; 94° west central.

Topsoil, subsoil supplies well above 1984, average. Topsoil moisture 10% short to very short, 71% adequate, 19% surplus. Subsoil moisture 24% short or very short, 75% adequate, 1% surplus. Spring, durum wheat harvest continued lagging normal; barley, oats near normal. Barley 88% combined, 98% 1984, 89% avg.; spring wheat 61% combined, 94% 1984, 80% avg.; durum 41% combined, 92% 1984, 69% avg. Late season crop development slowed by cool, cloudy weather. Sunflower 37% flowers dried and beyond, 75% 1984, 70% avg. Corn for grain 32% dented or beyond, 67% 1984, 61% avg. Corn for grain 31% fair, 69% good. Soybeans 31% lower leaves yellowing, 51% 1984, 47% avg. Late season crops in mostly good condition; need sunshine, warmer weather. Sunflower 4% poor, 25% fair, 67% good, 4% excellent.

OHIO: Temperatures averaged close to normal; lows mid 50's to near 60, highs upper 70's to lower 80's. Precipitation variable; less than 0.25 in. central, south; across north from 1.00 to 1.50 in.

Days suitable for fieldwork 4.0. Topsoil moisture 13% short, 77% adequate, 10% surplus. Corn 3% fair, 62% good, 35% excellent; 100% dough, 90% 1984, 90% avg.; 70% dented, 45% 1984, 50% avg.; 15% mature, 5% 1984, 5% avg.; operators awaiting harvest; corn silage 15% harvested, 5% 1984, 15% avg. Soybeans 2% fair, 78% good, 20% excellent; setting pods 100%, 90% 1984, 95% avg.; 15% turning yellow, 5% 1984, 5% avg.; numerous weeds will slow combining. Winter wheat none planted, none 1984, none avg. All hay good; alfalfa 3rd cut 70%, 65% 1984, 60% avg.; other hay 2nd cut 95%, 90% 1984, 95% avg.; other hay 3rd cut 35%, 40% 1984, 50% avg. Tobacco cut 30%, 10% 1984, 10% avg. Fruit, vegetable harvests continued. Summer apple harvest 90%, processing tomato harvest 40%, potato harvest 35%. Pasture fair to good.

OKLAHOMA: Temperatures averaged 20 below normal south central to 40 above normal Panhandle. Precipitation averaged none eastern third to 0.13 in. south central.

Days suitable for fieldwork 6.6. Topsoil moisture 57% short, 43% adequate. Subsoil moisture 20% short, 80% adequate. Wheat 3% planted, none 1984, 3% avg. Southern farmers await additional rain for seedbed preparation, seeding. Sorghum 5% fair, 90% good, 5% excellent. Sorghum 95% headed, 97% 1984, 95% avg. Sorghum 80% coloring, 55% 1984, 55% avg. Sorghum 10% mature, 5% 1984, 15% avg. Headworms observed late planted fields. Sorghum 2% harvested. Cotton 25% fair, 75% good. Cotton 15% open bolls, 3% 1984, 3% avg. Insect activity light but heavy bollworm egg lay Caddo, Washita Counties. Pastures ranges need rain southeast. Red imported fire ant observed first time. Cattle marketing up slightly.

OREGON: Temperatures a little cooler than normal coasts; slightly higher than normal western interior; a few degrees warmer than normal east of

Cascades. North coast greatest precipitation 0.47 in., less than 0.10 in. elsewhere west of Cascades. Greatest precipitation east of mountains northeast 0.22 in. Generally less than 0.10 in. elsewhere. No precipitation southeast.

Soil moisture 80% short, 20% adequate. Winter wheat 98% harvested; none planted, none 1984, none avg.; seedbed preparation continued. Barley 90% harvested. Higher elevation spring grains remain to harvest. Grass seed harvest, most fields burning completed Willamette Valley. South central areas grass seed harvest started. Red clover seed harvest started Willamette Valley; yields lower than average. Mint harvest near completion all areas. Alfalfa seed harvested underway. Haying continued throughout State. Willamette Valley Bartlett pears picked; harvest neared completion Medford area. Winter pear picking started at Medford. Apple harvest began Willamette Valley; peach harvest continued. Plums picked Milton-Freewater. Prune crop in west very heavy, some limb breakage. Evergreen blackberry harvest continued in west, aided by dry weather. Blueberry harvest near completion. Filbert flailing Malheur, early harvest neared completion, storage harvest began. Sweet corn, snap beans, broccoli harvests continued in west; corn earworm problem. Sweet corn harvested Jackson, Malheur Counties, yields down Malheur. Hermiston potatoes going directly to processing plants, quality and yields exceptional; Norgold digging continued. Central area potatoes sizing rapidly; Malheur Russets dug for processing. Hermiston watermelon harvest nearly completed. Livestock good. Dryland forage growth stopped. Many cattle going on winter hay. Irrigated pastures growing well. Hermiston cattlemen turned cattle on early summer seeded turnip fields. Fall turnip planting completed.

PENNSYLVANIA: Warm, muggy with precipitation being scarce until near end of week. Slow moving cold front moved across State bringing some showers, few thunderstorms; rainfall spotty. Heaviest amounts over western, northwestern part of State. Few isolated thunderstorms dumped locally heavy rains in State. Precipitation totaled 0.91 in., 0.06 in. above normal. Cold front brought rather chilly temperatures for this time of year at end of period. Average temperature 67°, 10 above normal. Chillest temperatures 39° at Wellsboro on 1st. Warmest temperatures 87° at Reading on 27th.

Days suitable for fieldwork 5.0. Soil moisture 33% short, 61% adequate, 6% surplus. Corn 4% poor, 17% fair, 38% good, 41% excellent. Soybeans 1% poor, 13% fair, 52% good, 33% excellent. Tobacco 58% harvested, 48% 1984. Oats 94% harvested, 90% 1984. Potatoes 50% harvested, 28% 1984. Corn 75% in dough, 77% 1984; 28% in dent, 24% 1984; 4% mature, none 1984. Second crop alfalfa 96% harvested, 91% 1984. Third crop alfalfa 67% harvested, 50% 1984. Second cutting clo-tim 89% harvested, 80% 1984. Quality of hay 6% poor, 49% fair, 45% good. Amount of feed being obtained from pastures 29% below avg., 68% avg., 3% above avg. Apples 31% harvested; peaches 91% harvested. Activities: Combining oats; harvesting hay, potatoes, garden vegetables, tobacco, apples, peaches, pears; seeding alfalfa, fall plowing, harvesting corn silage.

PUERTO RICO: Island average rainfall 2.34 in., 0.52 in. above normal. Highest weekly total 5.31 in. Highest 24-hour total 3.55 in. Temperature averaged about 81 to 82° on coasts and 75 to 79° interior divisions. Mean station temperature ranged from 82° to 68°. Extremes 75°; 97°. Total rainfall 2.05 plus 0.65 in.

SOUTH CAROLINA: Warm, humid weather. Daily showers over most of week. Hurricane Elena moved away from area leaving high pressure system on weekend, with sunny weather, no precipitation.

Days available for field activities 3.1. Soil moisture 4% short, 62% adequate, 34% surplus. Soybeans 27% fair, 72% good, 1% excellent. Soybeans blooming 94%, 95% 1984, 94% avg.; 63% setting pods, 79% 1984, 75% avg. Cotton 47% fair, 53% good. Cotton open bolls 62%, 15% 1984, 45% avg. Corn fair to good; 38% harvested, 35% 1984, 40% avg. Tobacco good; 86% harvested, 95% 1984, 90% avg.; 13% stalks destroyed, 34% 1984. Apples fair to good; 29% harvested, 40% 1984, 31% avg. Pastures good; hay fair to good.

SOUTH DAKOTA: Average temperatures 40 below to 90 above normal. Extremes 42; 1020. Rainfall light to moderate west, heavy east; varied greatly within short distances.

Days suitable for fieldwork 3.2. Topsoil moisture critically short west central, southwest; short remainder of west; adequate central, east; surplus extreme east; 8% critically short, 18% short, 55% adequate, 19% surplus. Subsoil moisture critically short west central, southwest; short to adequate central; adequate to surplus east; 15% critically short, 23% short, 52% adequate, 10% surplus. Corn 6% poor, 14% fair, 56% good, 24% excellent. Corn 62% dough, 69% 1984, 78% avg.; 26% dented, 37% 1984, 43% avg.; 4% mature, 7% 1984, 10% avg. Winter wheat 5% seeded, 4% 1984, 5% avg. Spring wheat 90% harvested, 99% 1984, 97% avg. Sorghum 5% poor, 28% fair, 50% good, 17% excellent. Sorghum 92% headed, 92% 1984, 93% avg.; 26% coloring, 41% 1984, 41% avg.; 2% mature, 4% 1984, 3% avg. Soybeans 11% fair, 62% good, 26% excellent. Soybeans 93% setting pods, 86% 1984, 97% avg. Range, pastures good eastern third, fair central and northwest, poor west central and southeast. Livestock fair west central and southwest, good remainder. Feed, stockwater supplies short west, adequate east.

TEXAS: Another week of hot temperatures, dry conditions prevailed across State. Tropical wave brought month's first substantial rains Lower Rio Grande Valley, Coastal Bend, few south central counties on 28th. Other rainfall midweek limited to nighttime thundershowers High Plains, Rolling Plains. Rainfall below normal all crop districts, except Coastal Bend, Lower Valley. Temperatures above average except areas with rainfall cooler than usual.

Crops: Grain sorghum 96% headed, 95% 1984, 96% avg., 81% turning color, 75% 1984, 75% avg.; 65% mature, 63% 1984, 65% avg.; 59% harvested for grain, 61% 1984, 63% avg. Condition 90% of normal, 67% 1984. Sorghum 18% fair, 56% good, 26% excellent. Harvest progressed across Blacklands, Cross Timbers; now winding down. Most fields harvested Upper Coast. Early fields being harvested scattered areas High Plains. Most dryland fields High Plains area moisture stressed. Spider mites invaded many fields, causing moderate damage Plains. Corn 95% doughing; 85% dented; 64% mature; 55% harvested, 54% 1984, 45% avg. Condition 88% of normal, 67% 1984. Corn 22% fair, 55% good, 23% excellent. Harvesting activities progressed east, north. Most fields harvested Upper Coast. Silage corn harvested High Plains. Fields this area continue mature rapidly, grain harvest begin within two weeks. Cotton 99% setting bolls, 97% 1984, 98% avg.; 21% open bolls, 14% 1984, 19% avg.; 13% harvested, 9% 1984, 10% avg. Condition 82% of normal, 72% 1984. Cotton 1% poor, 31% fair, 57% good, 11% excellent. Harvesting good progress most week south, Coastal Bend areas, until tropical disturbance stalled activities; most fields harvested. Harvesting activities progressed

Blacklands, good yields. Bolls started opening from Cross Timbers into High Plains. Dryland fields shedding some small bolls because dryness. Bollworm pressures moderated somewhat. Rice 96% headed, 100% 1984, 100% avg.; 88% turning color, 100% 1984, 100% avg.; 59% harvested, 91% 1984, 92% avg. Harvest good progress early week. Clean up operations many fields. Yields good. Second rice good growth. Peanuts 3% harvested, none 1984, 4% avg. Harvesting activities increased across portions south. Peanuts good progress Plains on irrigated ground. Some foliage diseases still occurring. Dryland fields still need rain most areas. Soybeans remained pod-fill stage High Plains. Irrigation steady. Upper Coast harvest early beans interrupted late week by rain. Rain should improve later varieties. Other Field Crops Sugarbeets none harvested, none 1984, 2% avg. Oats none planted, none 1984, 1% avg.

Commercial Vegetables: Rio Grande Valley, fall vegetable planting continued until rain, showers. Showers should alleviate irrigation needs. Fruit sizes good most citrus groves, damage from birds moderate. High Plains most summer onions harvested. Some late potatoes remain. Harvest continued cucumbers, carrots, melons, cabbage. East digging sweetpotatoes continued. Planting fall vegetables underway. Trans-Pecos, cantaloup harvest about complete. Pecan condition should improve areas receiving rainfall. Other areas, where moisture short, considerable nut drop continued. Aphid build up increasing west. Spraying for weevils underway many areas.

Range and Livestock: Range conditions improved portions west because recent moisture. Conditions also should improve portions Upper Coast, south because showers. Haying occurred some areas Plains. Goat shearing nearing completion. Livestock conditions good. Market remained steady.

TENNESSEE: Scattered showers early week in east, late week middle and east; amounts generally less than 0.50 in. Temperatures cool early week, progressively warmer by weekend.

Farmers averaged 4.0 days suitable for fieldwork. Soil moisture 90% adequate, 10% surplus. Crops benefit from showers; remain in good condition. Corn 91% dent, 85% 1984, 85% avg.; 40% mature, 20% 1984, 30% avg.; 5% harvested, 3% 1984, 2% avg.; 35% silage harvest; 1% poor, 8% fair, 58% good, 33% excellent. Cotton 15% open bolls, 8% 1984, 14% avg.; 2% fair, 75% good, 23% excellent. Sorghum 80% colored; 33% ripe; 6% harvested for grain; 2% fair, 76% good, 23% excellent. Soybeans 85% setting pods, 80% 1984, 80% avg.; 5% shedding leaves, 1% 1984, 2% avg.; 12% fair, 84% good, 4% excellent. Tobacco 95% topped; 18% fair, 74% good, 8% excellent. Burley 45% harvested, 35% 1984, 40% avg.; dark-fired 45% harvested, 40% 1984, 35% avg.; dark-air cured 45% harvested, 40% 1984, 35% avg.; Pasture 18% fair, 69% good, 13% excellent.

UTAH: Temperatures 5 to 60 above normal. Fifteen stations out of 42 measurable precipitation with amounts generally light. August was dry month for most of State with little precipitation occurring.

Days available fieldwork 5.5. Scattered thundershowers welcome. Soil moisture still short. Small grain harvests winding down early. Winter wheat, spring wheat, barley harvests all 90% or more complete; oat harvest 75% complete compared to 34% avg. Fall seeding just starting. Corn 63% dough, 10% dent, about two weeks ahead of normal, crop looks good. Third cut alfalfa 27% cut, some rain damage. Fruit harvest in full swing with 40% peaches, 85% pears picked; apple harvest beginning. Quality generally good, quantity below average to average. Ranges dry, winter ranges only fair. Livestock starting to leave summer ranges.

VIRGINIA: Slightly above normal temperatures. Extremes 49°; 92°. Rainfall moderate, average 1.00 in. Most rainfall first of period and on 30th.

Days suitable for fieldwork 4.3. Topsoil moisture 6% short, 75% adequate, 19% surplus. Drier weather increased harvest activities. Corn remains mostly good to excellent. Corn 89% in dough stage or beyond, 89% 1984, 93% avg. Corn 70% in or beyond dent stage, 73% 1984, 78% avg. Corn 39% mature, 41% 1984, 53% avg. Grain corn 8% harvested, 4% 1984, 10% avg. Silage corn 20% harvested, 35% 1984, 40% avg. Previous wet weather slowed silage harvest. Soybeans good to excellent, corn earworm control continued. Soybeans 96% in or beyond bloom, 96% 1984. Soybeans 74% setting pods, 76% 1984. Peanut mostly good to excellent. Corn earworm, leafspot, acclerotinia blight problems required continued control. Tobacco mostly excellent. Harvest accelerating. Flue-cured tobacco harvest 36% complete, 49% 1984, 58% avg. Fire-cured tobacco harvest 53% complete, 64% 1984, 63% avg. Burley tobacco harvest 28% complete, 18% 1984, 32% avg. Preparing to seed small grains. Cover crop seeding southeast. Hay, pasture conditions much improved, mostly good to excellent. Hay harvesting, seeding alfalfa and grass, clipping pastures. Livestock remain in excellent condition. Calf sales beginning.

WASHINGTON: High pressure remained over northwest. Few showers end of week. Eastern half of State remained dry.

Days suitable for fieldwork 7.0. Soil moisture 42% poor, 58% avg. Winter wheat harvest virtually complete. Spring wheat harvest 96%, 90% 1984, 84% avg. Barley harvest 98%, 92% 1984, 86% avg. Potato digging 22%, 35% 1984. Harvest continued for pears, late peaches, summer vegetables, mint, hops. Harvest underway for dry beans, onions, early varieties of apples. Range, pasture 73% short, 21% adequate. Hay supplies 36% short, 64% adequate.

WEST VIRGINIA: Temperatures averaged from 10° above normal to 20° below normal around State. Low 45° at Greenbank; high 90° Williamson, Charleston, Ripley. Average temperature 69°.

Precipitation averaged from 0.30 to 0.70 in. below normal. Least rainfall 0.07 in. Greenbank, most 0.80 in. Gary. Weekly average 0.29 in.

Days worked 4.4. Soil moisture adequate to short. Harvesting hay, clipping pasture, general maintenance.

WISCONSIN: Average temperatures 2° below normal to 10° above normal. Precipitation 0.90 to 1.00 in. north, 0.60 to 0.80 in. central, 0.50 to 0.60 in. south.

Days suitable for fieldwork 3.9. Soil moisture 18% short, 67% adequate, 15% surplus. General crop conditions 2% very poor, 6% poor, 30% fair, 57% good, 5% excellent. Corn 3% very poor, 3% poor, 33% fair, 56% good, 5% excellent; silked 100%, 100% 1984, 100% avg.; dough 65%, 71% 1984, 69% avg.; dent 24%, 33% 1984, 30% avg.; mature 3%, 4% 1984, 4% avg. Second cutting hay 93% complete, 89% 1984, 95% avg.; third cutting hay 36% complete, 31% 1984, 27% avg. Oat harvest 92% complete, 97% 1984, 94% avg. Soybeans in fair to good condition, leaves started turning, south. Tobacco harvest in full swing. Snap beans, sweet corn harvest full swing, very good yields. Pasture condition 77% of normal, 76% 1984, 81% avg.

WYOMING: Temperatures well above normal. Few stations along eastern border reached century mark. Much below normal rainfall totals.

Days suitable for fieldwork 7.0. Topsoil moisture 93% short, 7% adequate. Winter wheat planted 15%, 20% 1984, 10% avg. Barley harvested 80%, 80% 1984, 70% avg. Spring wheat 80% harvested, 75% 1984, 60% avg. Oats 65% harvested, 45% 1984, 50% avg. Alfalfa second cutting complete 85%, 70% 1984, 65% avg. Other hay harvested 90%, 85% 1984, 85% avg. Dry beans leaves turning color 65%, 70% 1984, 55% avg.; windrowed 10%, 10% 1984; small amount combined. Corn milk stage 50%, 50% 1984, 50% avg.; dough 35%, 35% 1984, 40% avg.; dented 10%, 15% 1984, 15% avg.; mature small amount. Fall grazing prospects 45% poor, 45% fair, 10% good. Range, pasture 45% poor, 50% fair, 5% good. Livestock 55% fair, 45% good. Moving, marketing livestock; looking for winter feed.

CROP PROGRESS

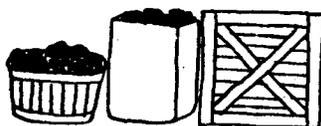
(continued from p. 12)

	RICE % HEADED		
	1985	1984	AVG.
ARK	93	81	88
CALIF	85	95	82
LA	97	96	96
MISS	100	92	94
TEX	96	100	100
5 STATES	93	90	91

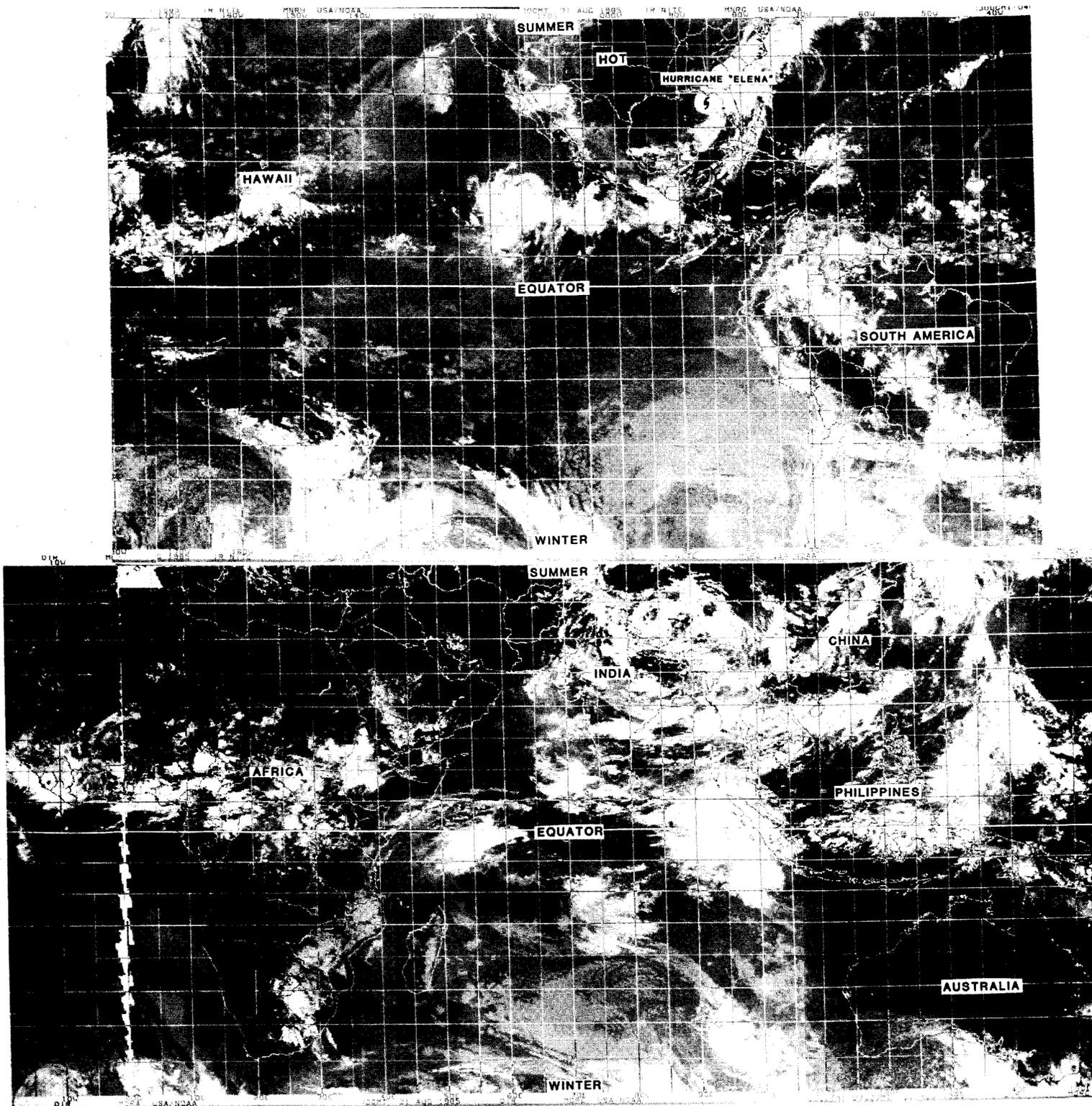
THESE 5 STATES PRODUCED 97% OF THE 1984 RICE CROP.

	RICE % HARVESTED		
	1985	1984	AVG.
ARK	7	3	5
CALIF	0	1	0
LA	57	63	65
MISS	20	4	6
TEX	59	91	92
5 STATES	24	28	29

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

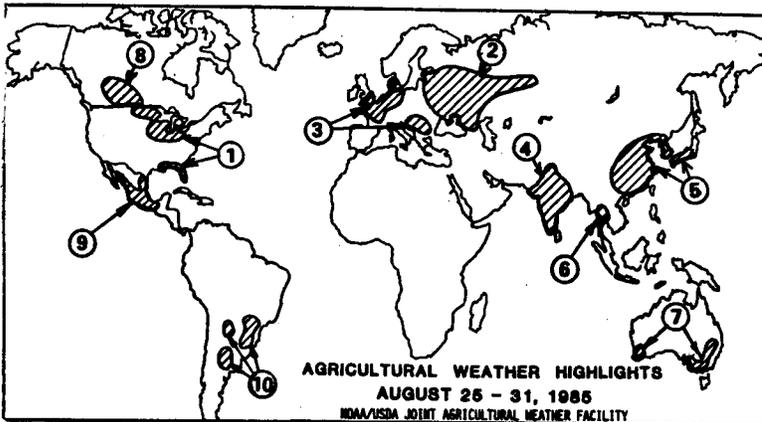


GLOBAL WEATHER SATELLITE PHOTO



International Weather and Crop Summary

August 25-31, 1985

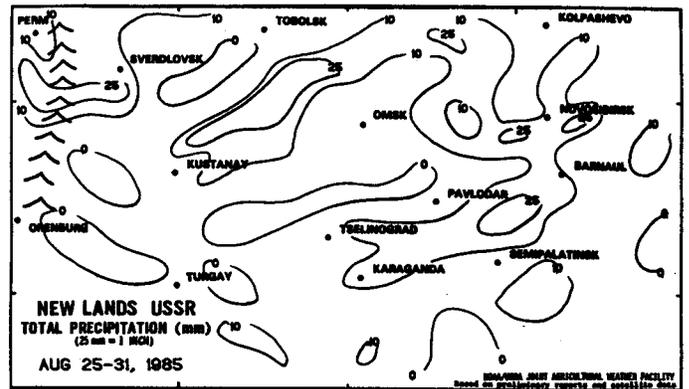
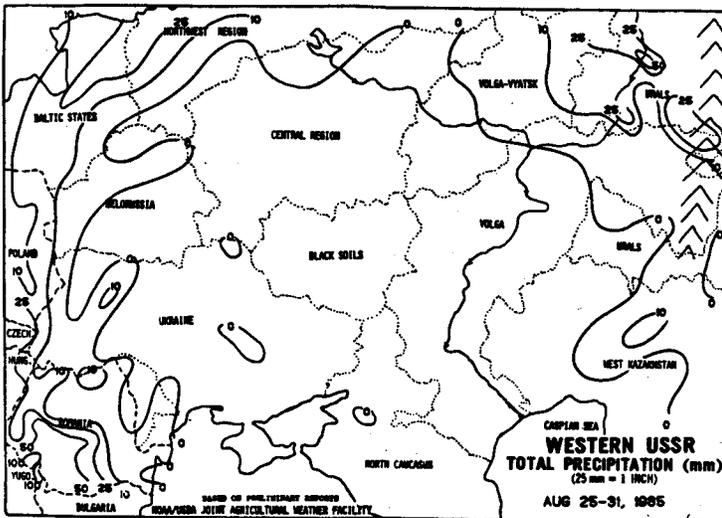


HIGHLIGHTS:

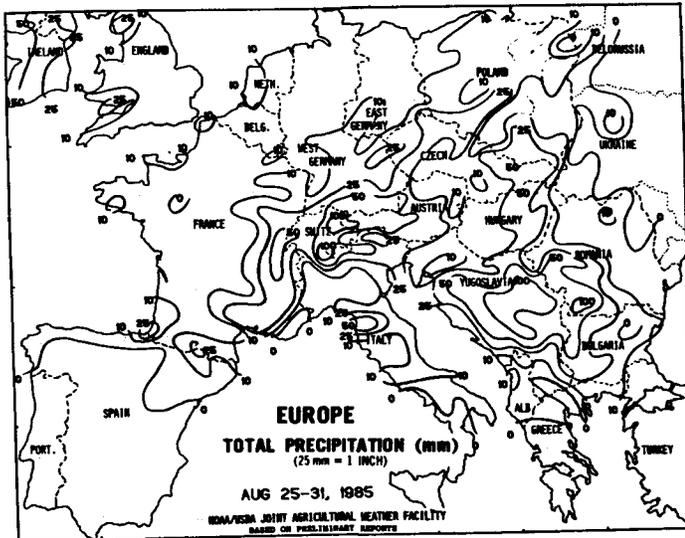
1. **UNITED STATES** ...Cool weather slows spring wheat development and harvest in the northern Plains. Damp, cool weather also slows crop development across the Corn Belt. Crop damage from Hurricane Elena is confined to coastal areas along eastern Gulf of Mexico Coast.
2. **USSR** ... Dry weather over much of the region helps harvesting.
3. **EUROPE** ... Dry weather benefits harvesting in England, northern France, and northern West Germany. Heavy rain follows prolonged dryness in eastern Yugoslavia, southwestern

Romania, and western Bulgaria, with some flooding likely.

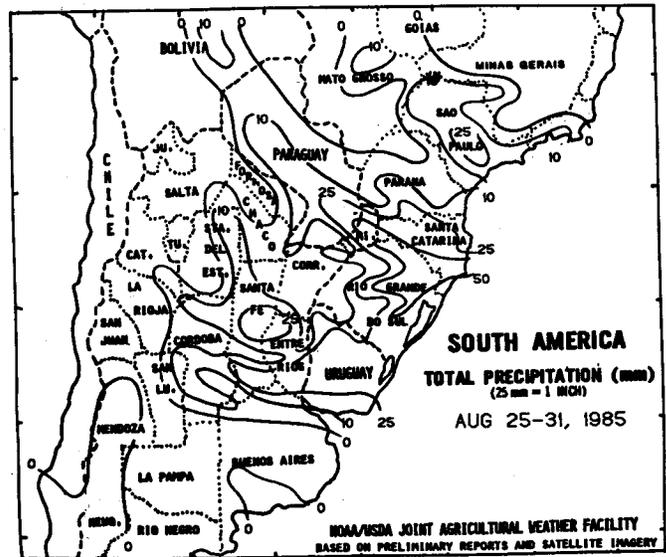
4. **SOUTH ASIA** ... Favorable rain continues in most of the rice region. Dry weather in the west is unfavorable for cotton and groundnuts.
5. **EASTERN ASIA** ... Tropical storms damage rice. Moderate rain benefits late rice in most of southern China, but flooding damages late rice in the southwest.
6. **SOUTHEAST ASIA** ... Moisture is generally adequate for Thailand's rice, except in east-central rainfed areas where only light rain falls.
7. **AUSTRALIA** ... Light to moderate showers maintain mostly adequate topsoil moisture for wheat, while temperatures and the crop's moisture demand seasonably increase.
8. **CANADA** ... Showers diminish over the Prairies grain belt, improving harvest conditions.
9. **MEXICO** ... Rains continued helping southern Plateau crops and replenishing northwestern reservoirs.
10. **SOUTH AMERICA** ... Showers benefit early crop growth in Argentina's central wheat area, but dryness continues in the south. Showers favor immature wheat in southern Brazil and moisten topsoils in Sao Paulo.



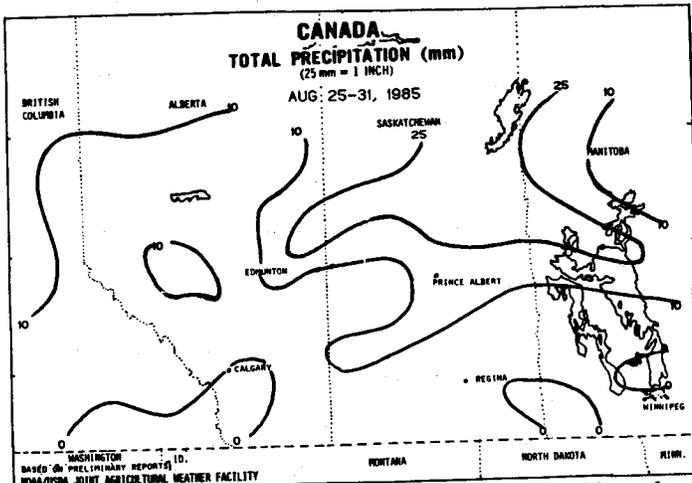
USSR...Mostly favorable harvest weather covered Western USSR crop areas. However, 10-25mm of rain fell on crop areas in the Baltic States and the northern Urals, likely causing some harvest delays. Mostly dry weather in the north favored winter grain planting; while the dry weather in the south aided fieldwork in preparation for planting. Corn and sunflowers across the south are maturing and near to above-normal temperatures favored crop maturation. In the New Lands, weather conditions for harvesting were mixed. In southwestern and central spring grain areas, dry weather aided harvesting. However, late-week showers in northern and eastern crop areas slowed harvesting. Reports indicate that as of August 26, small grains and pulses, excluding corn, were about 55 percent harvested. In South Central USSR cotton areas, cotton is maturing. Light, scattered showers covered the region, and dry weather is needed for harvesting which normally begins in mid-September.



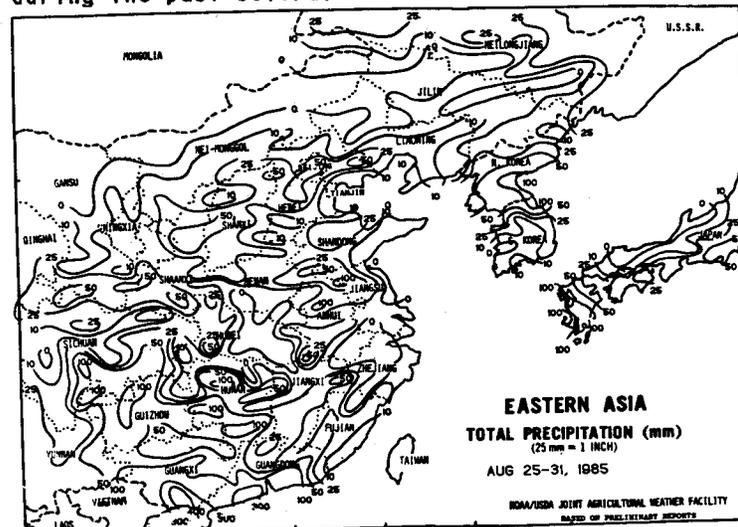
EUROPE... Generally dry weather (less than 5mm) covered crop areas in England, northern France, the Netherlands, Belgium, northern West Germany, and East Germany. The dry weather which spread eastward from England through northern West Germany particularly benefited harvesting, which was previously delayed by persistent cool, wet weather. Light showers in Poland may have briefly interrupted harvesting, while wet weather in Czechoslovakia and Hungary likely slowed harvesting and produced localized flooding in more eastern areas. In southeastern Europe, heavy rain (50-100mm) fell on crop areas in southwestern Romania, western Bulgaria, and eastern Yugoslavia. The heavy rain in these areas followed an 8-week prolonged period of dryness. Flooding is likely, particularly in eastern Yugoslavia which received the heaviest rain (100-200mm).



SOUTH AMERICA... In Argentina, showers (8-49mm) benefited early wheat growth in Cordoba, Santa Fe, and Entre Rios, but mostly dry weather continued over Buenos Aires wheat areas. Wheat planting is about 95 percent complete, with generally favorable conditions for crop establishment. However, moisture is limited in southern crop areas. Mostly dry weather aided early summer crop planting in Chaco. In Brazil, weekly rainfall averaged 10-50mm in Rio Grande do Sul and Santa Catarina, maintaining adequate moisture for immature wheat. Showers (10-25mm) fell in southern Parana, where wheat harvesting is underway, but dry weather prevailed over northern Parana, southern Mato Grosso do Sul, and Minas Gerais. Some rain (4-33mm) moistened topsoils in Sao Paulo, a portion of the region which has experienced an extended dry spell during the past several months.



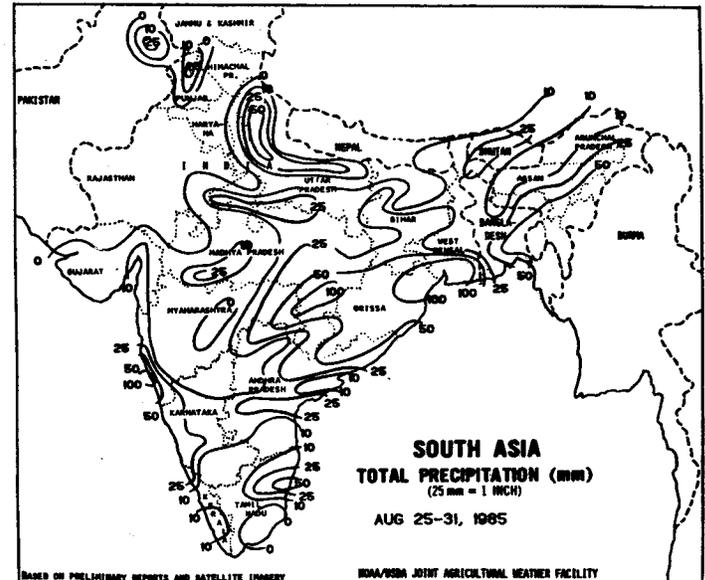
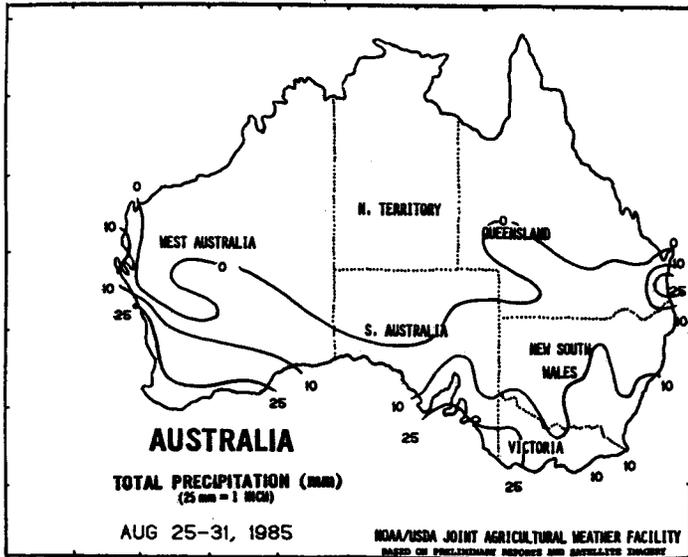
CANADA... Rainfall decreased substantially from the previous week, with weekly totals averaging 5mm or less across most of the Prairies grain belt. Heavier showers fell over west-central and extreme northern crop areas in Saskatchewan. The generally drier weather improved conditions for maturing grains and helped crop harvesting, which has fallen behind schedule. However, cool weather continued to slow crop maturation. Early-week statistics for Alberta indicated that crops were 22 percent swathed and 7 percent combined, compared with 52 and 23 percent, respectively, this time last year. Harvest delays, caused by untimely August wetness and cool weather, also occurred in Saskatchewan and Manitoba. The recent drier weather promoted more favorable harvest conditions.



EASTERN ASIA... Tropical weather was very active as 3 tropical systems affected the region. Tropical Storm Odessa moved through the Korea straight with moderately strong wind. Typhoon Pat and Tropical Storm Ruby produced heavy rain in southern Japan, with high wind in Kyushu and southern Honshu possibly damaging rice in the filling stage. In China, inundating rain, more than 300mm, fell in Guangxi and Guangdong and damaged late rice. Moderate rain spread over much of the south, benefiting late rice in the heading stage. Heavy rain (up to 130mm) in northern Anhui and Jiangsu possibly damaged open cotton bolls and maturing early corn and soybeans. Light to moderate rain in Henan and

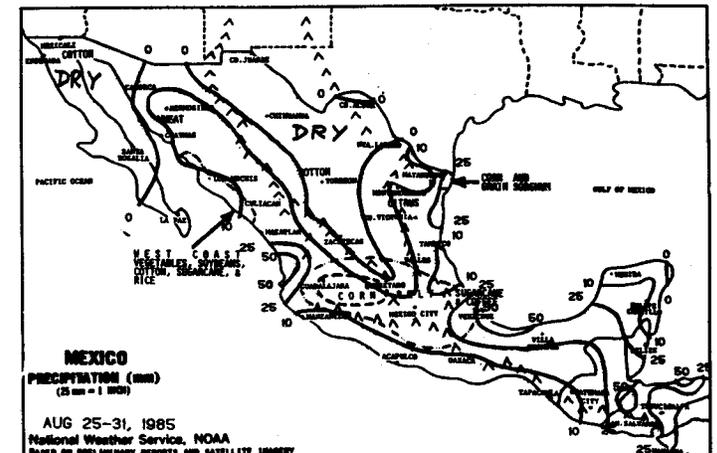
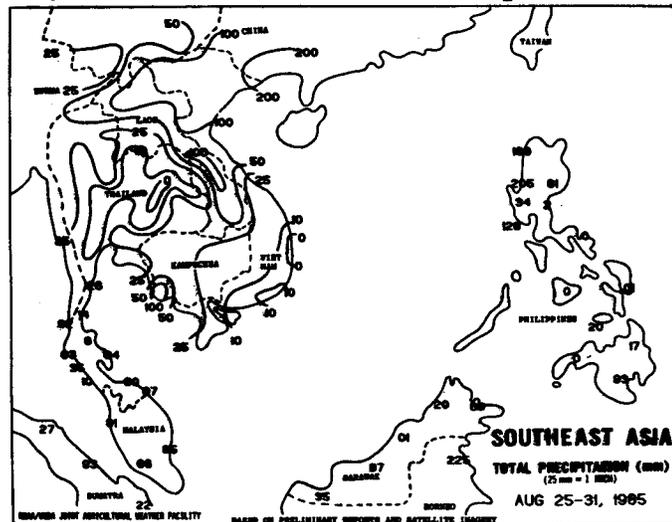
Shandong benefited late corn and soybeans in the filling stages. Drier weather in Manchuria favored maturing corn and soybeans following several weeks of above-normal rain.

while highly variable amounts fell in the south extending into Malaysia. Heavy rain also fell in northern and western Luzon; but the remainder of the Philippines was mostly dry except for isolated heavy showers over Mindanao.



AUSTRALIA...Light to moderate rain fell in nearly all wheat areas. The lightest rain (1-5mm) fell in South Australia, Queensland, and northern New South Wales. However, above-normal rain in South Australia and New South Wales during the last 3 to 4 weeks provided adequate topsoil moisture, while Queensland remains drier than normal. Moderate showers (10-20mm) favored wheat in Victoria and southern New South Wales. Moderate rain (10-25mm) also benefited wheat in Western Australia. Temperatures continued a seasonal increase, but temperatures averaged above normal in South Australia, Victoria, Queensland, and northern New South Wales. Wheat enters a more vigorous growth stage, and the crop's moisture demand is increasing.

SOUTH ASIA...Generous rain fell on the eastern rice region. Heavy rain (50-150mm) especially benefited rainfed autumn rice in the filling stage in Orissa and eastern Madhya Pradesh. Variable rain fell in Uttar Pradesh where below-normal seasonal rainfall has been unfavorable for rainfed crops. Moderate rain benefited winter rice in Bihar and West Bengal. Mostly dry, hot weather covered Punjab and Haryana for the past 3 weeks, placing a heavy burden on irrigation reserves. Below-normal rain in Maharashtra, Gujarat, and western Madhya Pradesh was unfavorable for flowering cotton and groundnuts. A narrow band of moderate rain benefited cotton and groundnuts in central Karnataka and Andhra Pradesh. Dry and very hot weather covered most of Pakistan, straining irrigation supplies.



SOUTHEAST ASIA...In Thailand, showers diminished from last week, with less than 10mm of rain falling over much of central and eastern rainfed crop areas. Moisture may be limited in some east-central rainfed rice areas which have generally been below average in seasonal rainfall. Late-planted rainfed rice, still in vegetative growth, would be most affected by a moisture deficiency. Substantial showers (30-85mm) fell in the northern highlands, helping irrigation reservoirs. Variable amounts of rain fell over rice areas near Bangkok. Elsewhere, heavy, inundating rain (greater than 100mm) fell over Laos and northern Vietnam,

MEXICO...Beneficial rain continued over most of the southern Plateau corn belt, especially across the southern half. Light rain was also scattered across the northwestern mountain watersheds, helping replenish reservoir levels. Showers dotted the northeast, but amounts were too light to significantly help citrus and fall vegetables and grains. Seasonal dry, hot weather continued over the north central and extreme northwestern regions. Drought remained over the upper Yucatan Peninsula.

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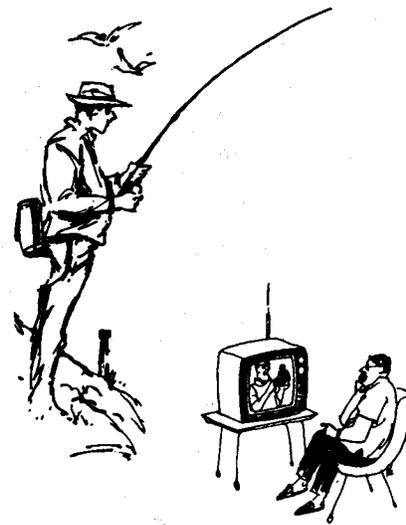
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HADDOCK RETIRES



Don Haddock, Managing Editor of the Weekly Weather and Crop Bulletin and Supervisory Meteorologist of the National Oceanic and Atmospheric Administration (NOAA) section of the NOAA/USDA Joint Agricultural Weather Facility retired on September 3, 1985, with 30 years of Federal service. Don's career began with a direct commission as an Air Force weather officer. After 4 years of active duty, Don became a meteorologist with the National Weather Service, U.S. Department of Commerce. Don's extensive experience includes public and aviation weather forecaster at San Juan, Puerto Rico and San Antonio, Texas; an advisory agricultural meteorologist at Weslaco, Texas; and agricultural meteorologist at Brownsville, Texas and Riverside, California; and supervisory meteorologist at Washington, D.C. He has received sustained superior and outstanding awards; and has degrees in meteorology, agricultural engineering, and agronomy. Don has authored over 100 agricultural weather articles, worked his way up to a Lieutenant Colonel in the Air Force Reserve, and has given numerous speeches and radio interviews. He will return to his family farm at Haddock's Cross Roads, just south of Greenville, N.C., to pursue farming, landscaping, hunting, and fishing. Don will be greatly missed, but he invites all his friends to stay in contact and "come over for a visit."



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