

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

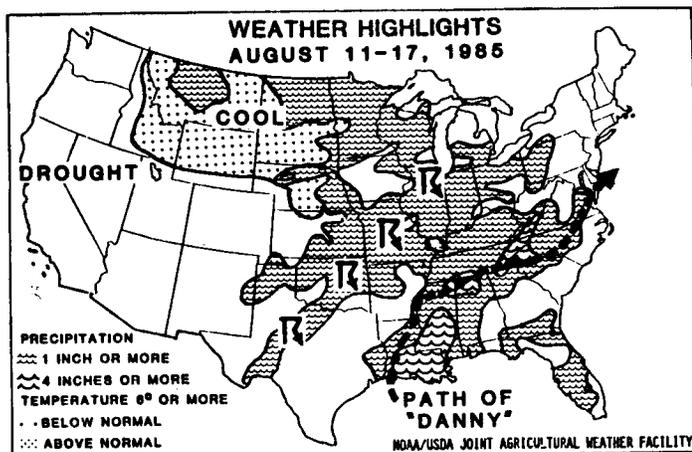
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Aug. 20, 1985

National Weather Summary

August 11 to 17, 1985



HIGHLIGHTS: 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 the 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 the Southeast and mid-Atlantic States.

SUNDAY...Showers and a few thunderstorms reached from the central Appalachians through New England, through the Rockies, and along the eastern gulf coast. Heavier storms reached from central Nebraska through Minnesota and in parts of the Dakotas. Temperatures were rather cool in the Northwest but seasonably warm over the rest of the Nation.

MONDAY...Light, occasionally moderate, showers and thunderstorms continued along the gulf coast and in Florida, in the northern Rockies, and from Oklahoma through the northern Plains. Heavy showers and thunderstorms reached from northern Missouri through the western Great Lakes.

TUESDAY...A cold front triggered showers and thunderstorms from western Texas through the central Plains and into the Northeast. Severe thunderstorms occurred from southwestern Oklahoma to southeastern Michigan. Showers and thunderstorms continued along the central and eastern gulf coast. Heavy rain fell in central Florida. Tropical Storm Danny moved into the Gulf of Mexico and continued in its northerly movement.

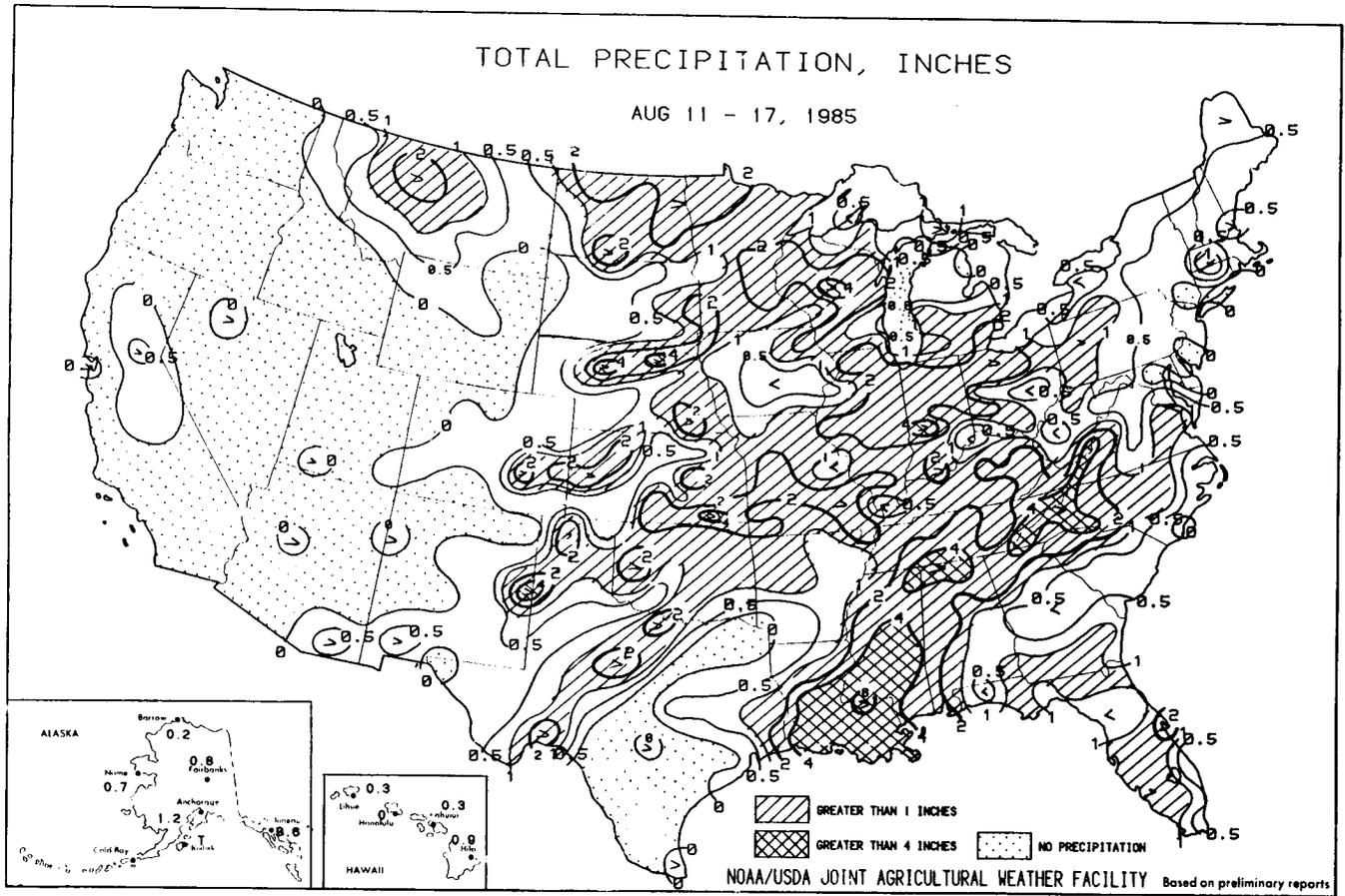
WEDNESDAY...Thunderstorms were widespread from western Texas to upper New England. Heavy showers and other severe weather occurred in eastern Oklahoma and Kansas, much of Missouri, and from central Illinois through southeastern Michigan. Thunderstorms covered most of the gulf coast from central Texas through Florida. Tropical Storm Danny became a hurricane and was bearing down on the Louisiana Gulf Coast. Much cooler air covered the northern Plains and record high temperatures were along the east coast.

THURSDAY...Moderate to heavy thunderstorms reached from the lower Mississippi Valley through the Northeast from Pennsylvania through New England. Lighter storms were widely scattered through the Plains. Hurricane Danny moved onto the Louisiana coast and spread heavy rain through the Delta. Moderate showers and thunderstorms spread eastward into Alabama and the rest of the gulf coast. Cool weather continued through most of the Plains while hot weather covered the east coast.

FRIDAY...Storms ahead of a cold front and the remnants of Hurricane Danny were responsible for violent storms from northeastern Mississippi to southwestern Virginia and lesser showers and thunderstorms throughout the Southeast. A low pressure system brought moderate showers and thunderstorms to the northern Plains.

SATURDAY...An approaching cold front and tremendous amounts of moisture from Danny combined to cause torrential rain from western South Carolina into central Virginia. Elsewhere, thunderstorms spread from northwestern Arkansas into Kansas and Missouri, through the Great Lakes region and over the northern Plains. Showers also spread over the central and southern Great Basin and northern California.

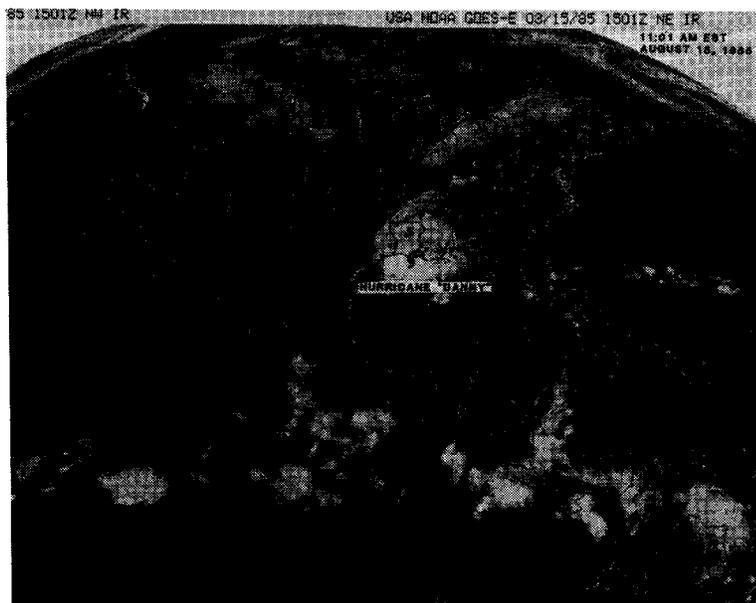
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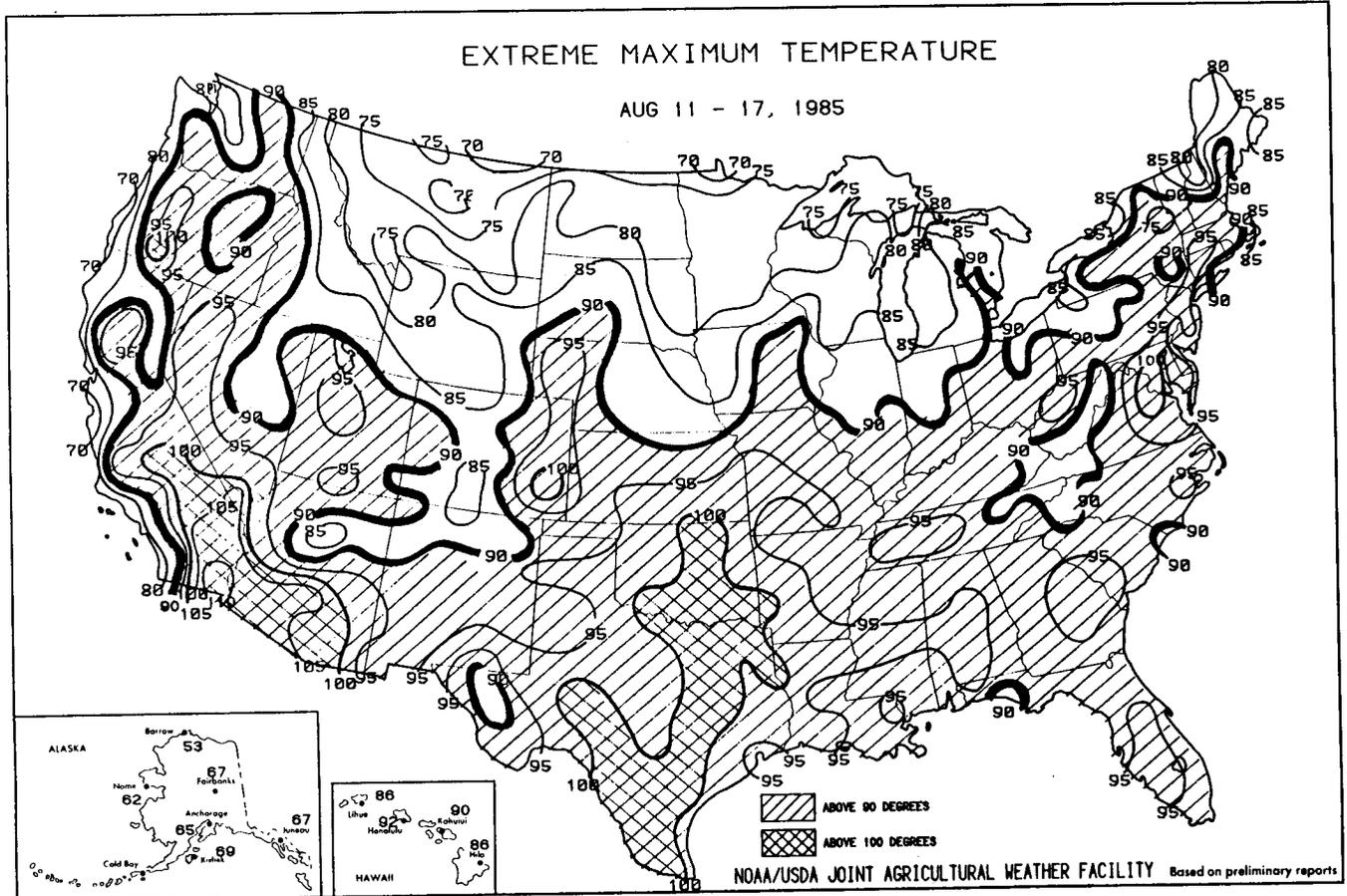
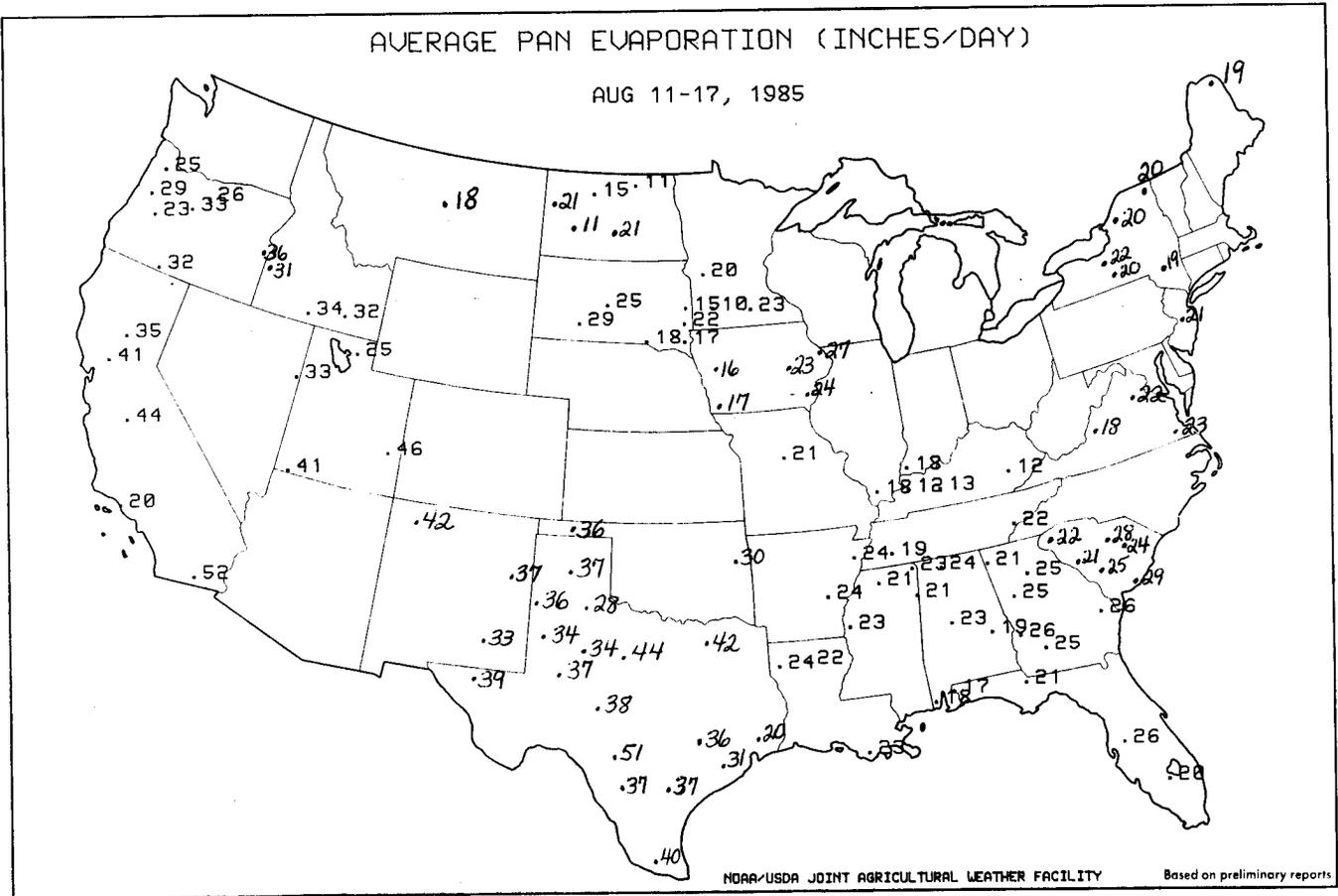
HURRICANE DANNY MOVES INTO LOUISIANA SPREADING TORRENTIAL RAIN, WINDS, AND LOCAL FLOODING THROUGH THE MISSISSIPPI DELTA.

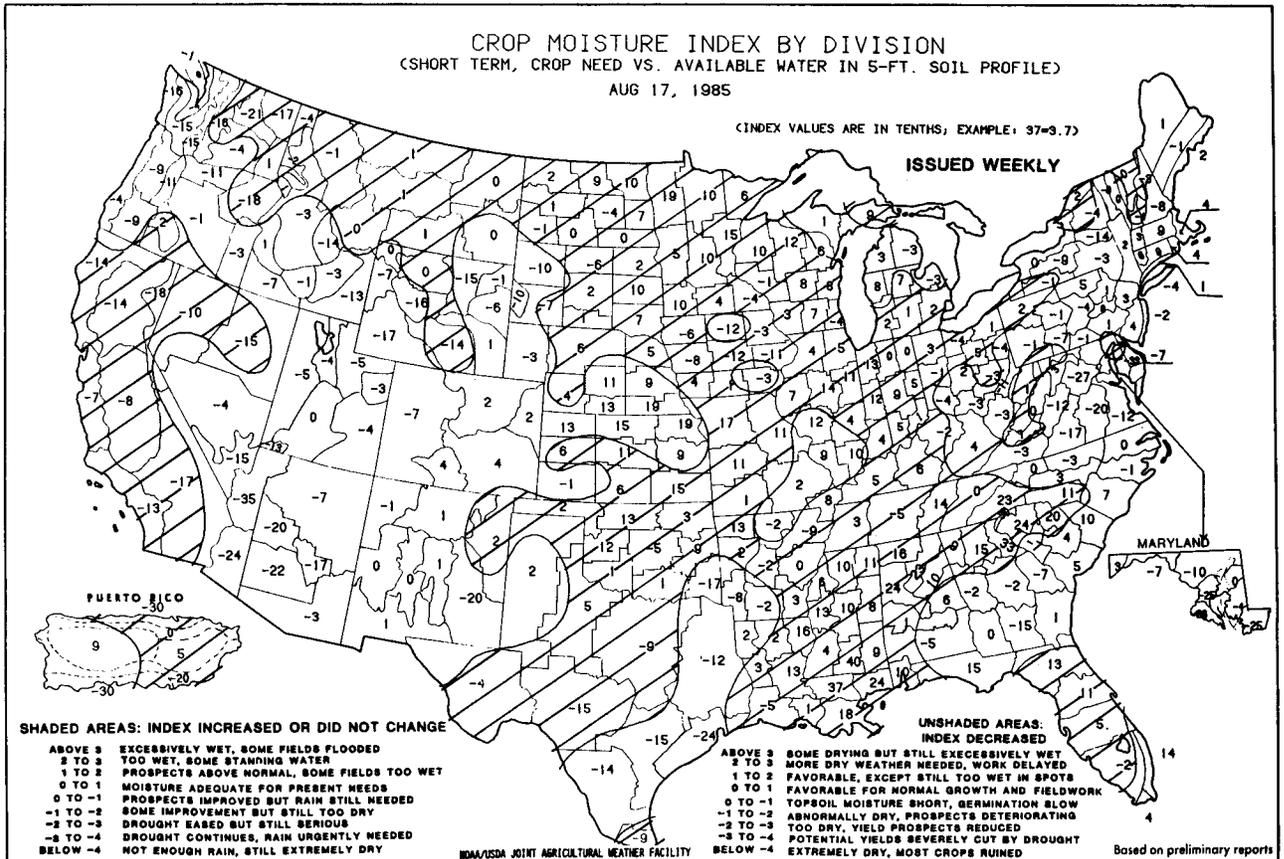
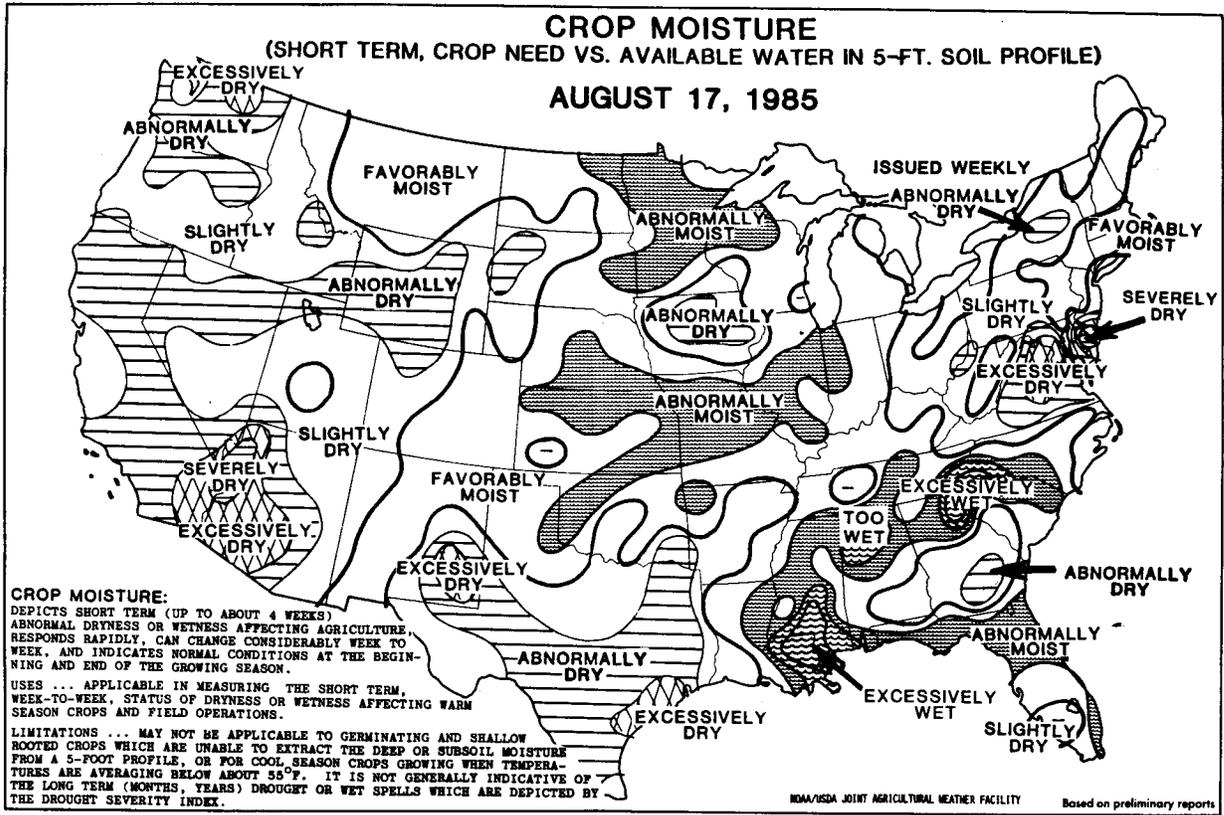
A COLD FRONT MOVES INTO CENTRAL UNITED STATES WITH INCREASING SHOWERS AND THUNDERSTORMS AS MOISTURE FROM DANNY SPREADS AHEAD OF THE FRONT.

THE INTERTROPICAL CONVERGENCE ZONE IS ACTIVE IN THE PACIFIC OCEAN AND BULGES NORTHWARD INTO SOUTH CENTRAL MEXICO PROPELLING MOISTURE INTO THE MEXICAN MOUNTAINS.



- * SNOW
- RAIN
- ▽ RAINSHOWERS
- ⚡ THUNDERSTORMS
- PRECIPITATION AREAS





U. S. Geological Survey July 1985 Streamflow

Streamflow generally decreased seasonally in southern Canada, and in much of the Northeast and most areas west of the Mississippi River in the United States during July. Flows generally increased or were variable in most southeastern States as a result of runoff from above-normal precipitation in that part of the Nation.

Below-normal streamflow persisted in parts of California, Hawaii, Quebec, New York, Maine, Maryland, Iowa, Missouri, and parts of most southeastern States. Monthly mean flows moved into the below-normal range in parts of Virginia, Michigan, Ohio, Indiana, Illinois, Kansas, and Arizona. The area of flows in the below-normal range in the northern Rockies expanded and now includes all of Montana and Idaho and parts of adjacent States and Canadian Provinces. Monthly mean flows at the 11 index sites in Wyoming, Montana, and Idaho averaged only 50 percent of the long-term median flow and 10 of the 11 sites had flows in the below-normal range. The exception was in southern Wyoming where mean flow of the North Platte River above Seminoe Reservoir, near Sinclair, continued to decrease but remained in the normal range for the second consecutive month. By contrast, in northwestern Montana, the monthly mean discharge of 192 cubic feet per second (cfs) at Marias River near Shelby (drainage area 3,242 square miles) was only 19 percent of median, in the below-normal range for the third consecutive month, and the third lowest flow for July in 77 years of record.

Flows remained in the above-normal range in parts of Arizona, New Mexico, Utah, Colorado, Texas, Missouri, North Dakota, Minnesota, Pennsylvania, Maryland, West Virginia, and Nova Scotia, and increased into that range in parts of Alaska, British Columbia, Arizona, Minnesota, Ontario, Quebec, Maine, New York, Pennsylvania, Tennessee, and Alabama. Runoff from heavy rains associated with Hurricane Bob caused minor flooding in central and coastal regions of South Carolina near the end of the month. By contrast, in northeastern Alabama, severe flooding from rains that ranged from 6.5 to 8 inches on July 24, 1985, caused extensive damage in Cherokee

and De Kalb Counties. The estimated peak discharge of 50,000 cfs on Little River near Blue Pond (drainage area 199 square miles), tributary to the Coosa River, was highest for the period of record that began in December 1958 and had a recurrence interval that was greater than 100 years. In southern Alabama, the monthly mean flow of 71.1 cfs at Conecuh River at Brantley was only 33 percent of the median flow and was the second lowest flow for July in 48 years of record and illustrates the sharply contrasting streamflow patterns in Alabama during July.

Contents of most reservoirs declined during July with about a third of the selected reservoirs reporting much below-average contents for end of July. Pine Flat reservoir in northern California had a net change in contents from end of June to end of July of -378,000 acre feet accounting in part for the above-normal flow conditions at the Sacramento River at Verona. Contents of the New York City reservoir system continued to decline, were only 53 percent of capacity at month's end, and residents of that area remained under a drought emergency. A pumping station on the Hudson River was activated as a supplemental source of supply during the month.

In southern Florida, water-use restrictions imposed by the various Water Management Districts were lifted in some areas as near-normal or record rainfall was experienced in most counties during July. Collier County, for example, received 21.5 inches of rain during July, a record for the month.

The combined flow of the three largest rivers in the lower 48 States—Mississippi, St. Lawrence, and Columbia Rivers—was 853,700 cfs during July, 32 percent below last month, and 12 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 only new extreme reported at index stations in July was in northern New Brunswick where the daily mean flow of 6,040 cfs on July 12 at Upsalquitch River at Upsalquitch (drainage area 877 square miles) was highest for the month in 56 years of record.

GROUND-WATER

Ground-water levels continued to decline seasonally in nearly the entire Northeast.

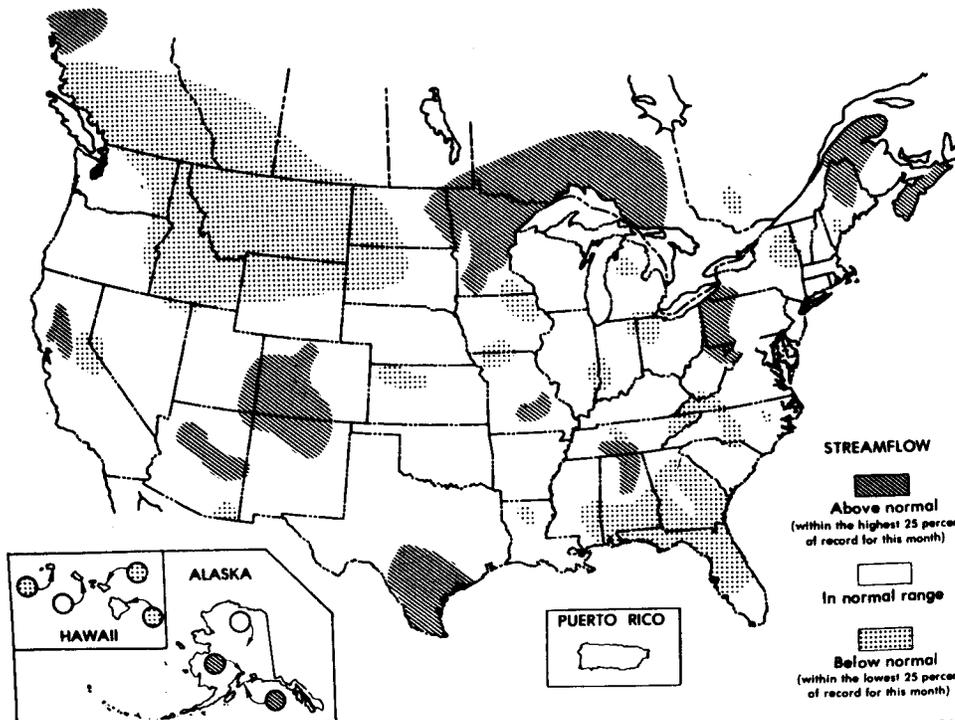
Exceptions included Long Island, N.Y., and an area in western Maryland and adjacent Pennsylvania where levels rose in some observation wells. Water levels remained below average in parts of all 11 States in the region, and were unusually low for July in three observation wells, one each in Connecticut, New York, and New Jersey.

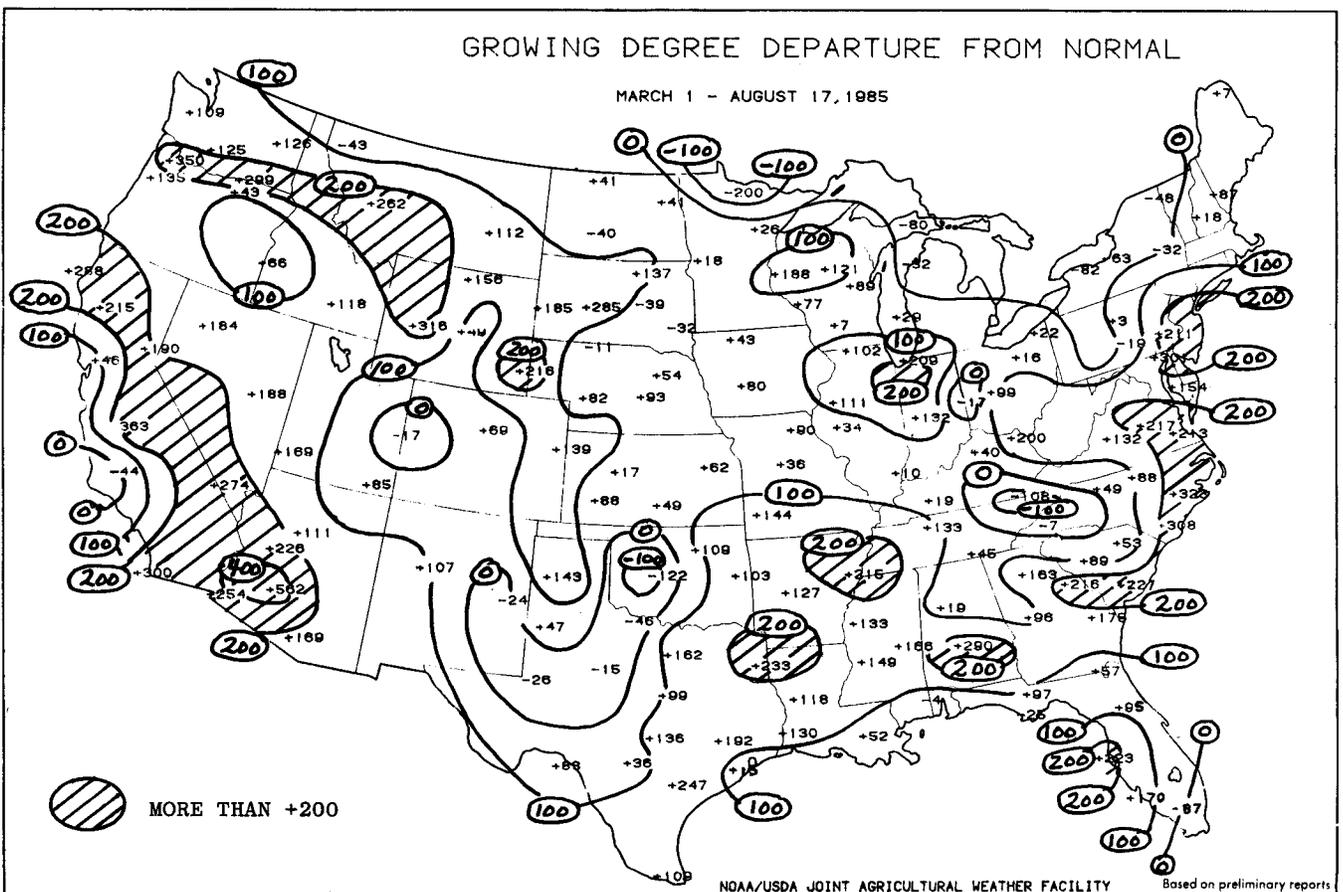
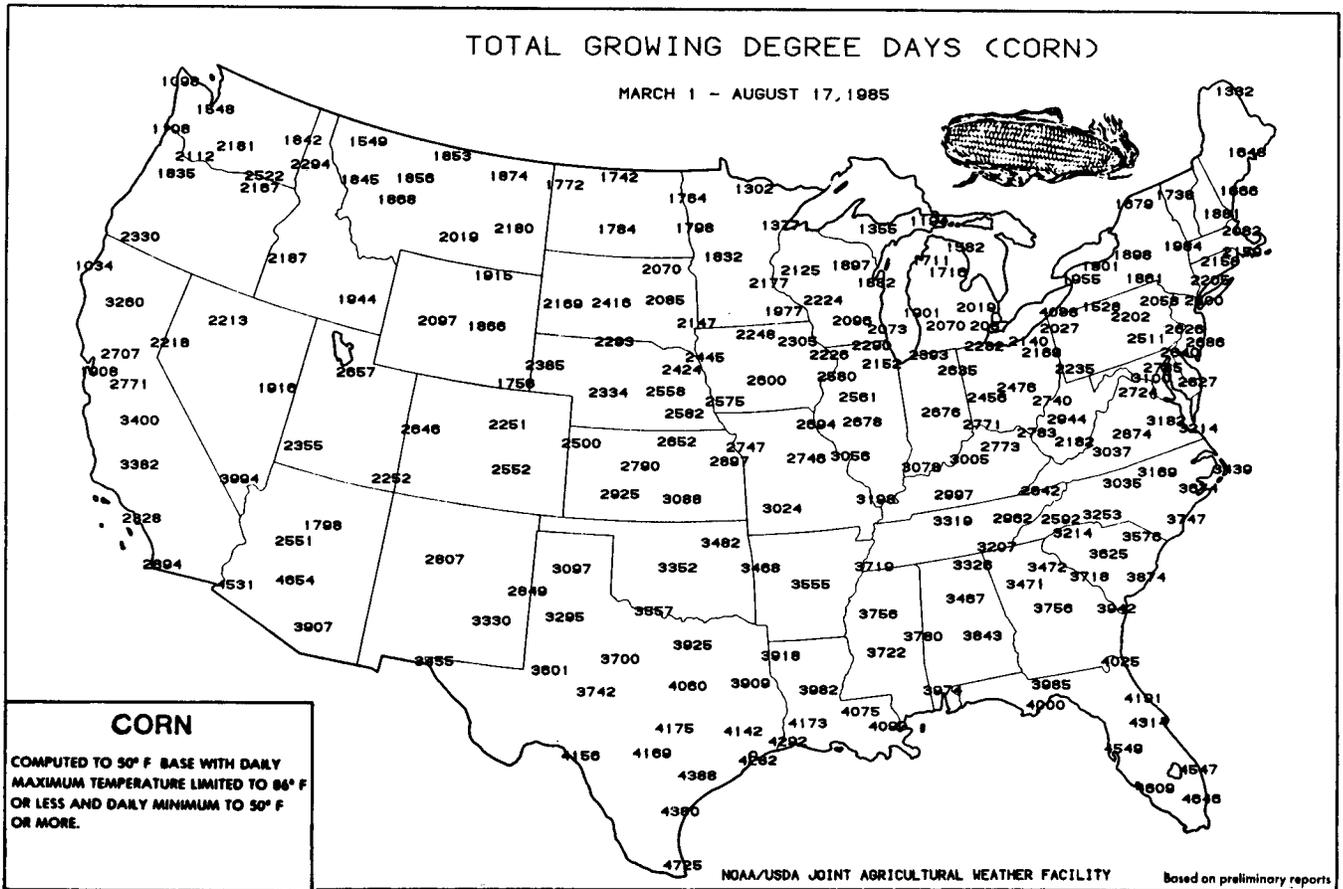
In the Southeast, ground-water levels declined in West Virginia, Kentucky, Mississippi, and in most wells in Georgia. Trends were mixed in other southeastern States. Water levels were above average in Kentucky, although they declined seasonally, and below average in Arkansas and Florida. A new low ground-water level for July was reached in the key well in Memphis in western Tennessee, and a new alltime low level in 29 years of record was reached in the key well in the Savannah area in the Coastal Plain of Georgia.

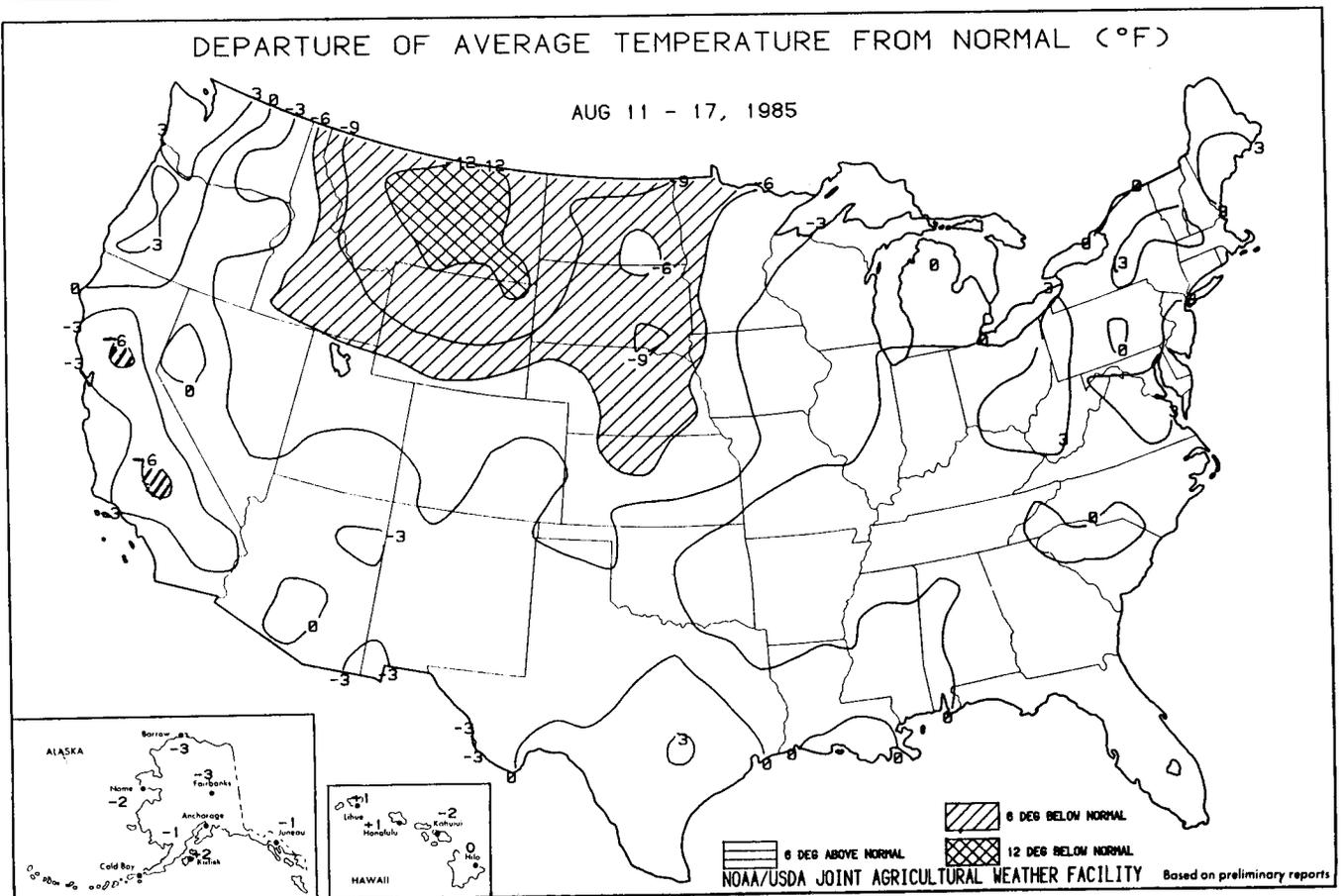
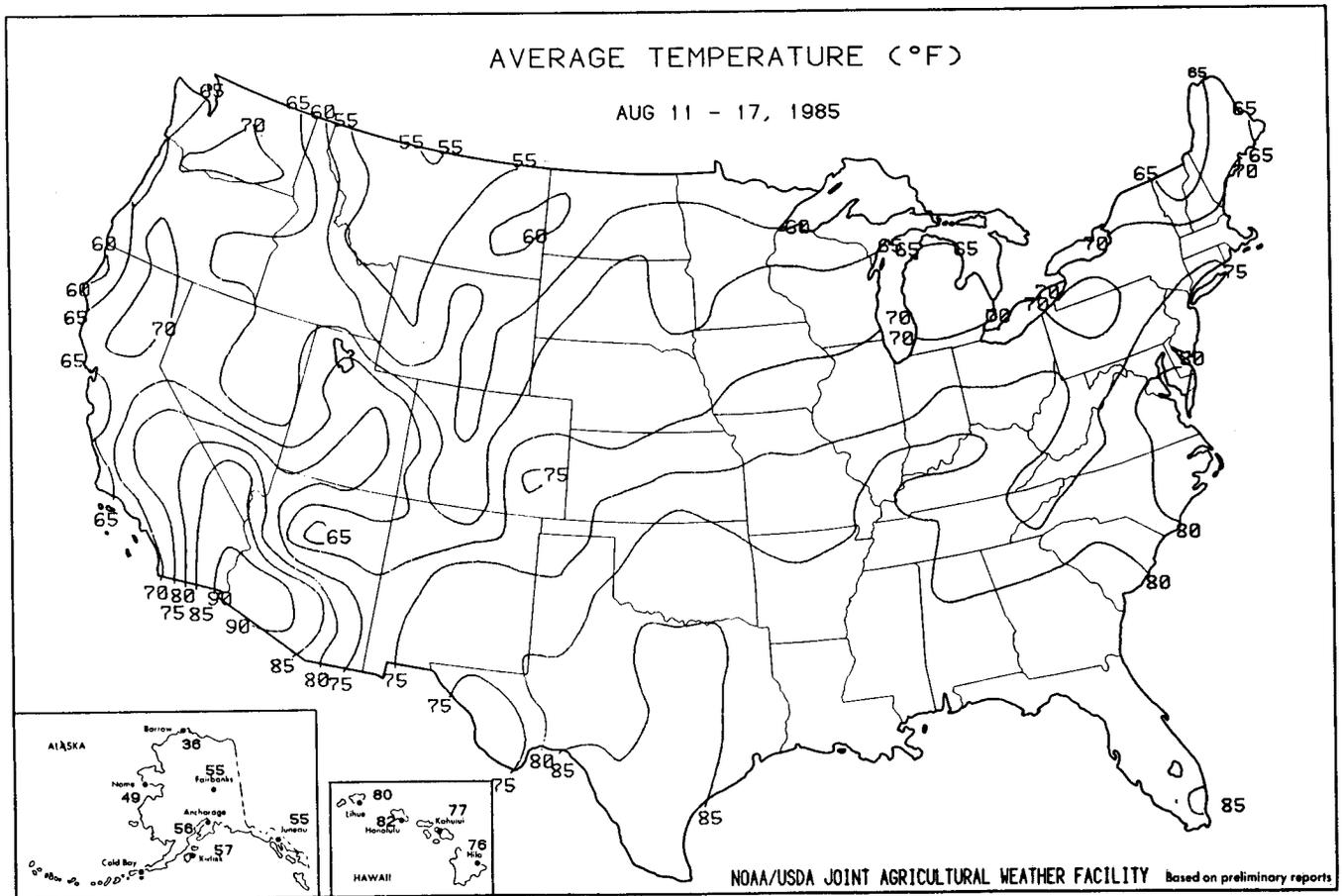
In the central and western Great Lakes States, ground-water level trends were mixed. Water levels were in the normal range in Indiana, and mixed with respect to average in Minnesota, Ohio, and Iowa. Water levels declined seasonally in Wisconsin and Michigan.

In the West, ground-water levels declined seasonally in Washington, North Dakota, Nebraska, Kansas, Nevada, and southern California; trends were mixed in other States. Water levels were above average in Nebraska, below average in Washington, North Dakota, and Arizona, and mixed with respect to average in other States. New high ground-water levels of record for July occurred in Nevada and Utah, and new July low levels of record occurred in southern California, Nevada, Kansas, and Texas. A new alltime high level in 25 years of record was reached in the key well in the Blanding area in southeastern Utah. An alltime low in 42 years of record was reached in the Dayton observation well in the southern Roswell Basin in New Mexico.

STREAMFLOW DURING JULY







Weather Data for the Week Ending August 17, 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	TEMPERA- TURE °F		PRECIPI- TATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	89	71	96	70	80	0	1.7	.9	1.1	17.4	156	35.4	95	100	60	4	0	3	1
MOBILE	89	73	93	71	81	-1	2.9	1.4	1.1	15.4	93	39.3	91	92	62	3	0	5	2
MONTGOMERY	92	71	95	70	82	1	.6	-1	.4	9.8	99	30.1	91	98	53	7	0	3	0
AK ANCHORAGE	61	50	65	43	56	-1	1.2	.7	.7	3.7	89	8.0	103	91	61	0	0	5	1
BARROW	40	31	53	28	36	-3	.2	0	.1	1.6	88	2.1	78	98	75	0	5	4	0
FAIRBANKS	61	48	67	43	55	-3	.8	.3	.3	4.2	101	6.5	103	95	58	0	0	6	0
JUNEAU	60	49	67	45	55	-1	.6	-.5	.5	9.6	99	19.0	73	97	66	0	0	5	1
KODIAK	65	49	69	44	57	-2	.7	-.1	.7	17.4	175	45.2	110	91	61	0	0	1	0
NOME	55	42	62	29	49	-2	.7	0	.4	4.0	78	7.8	95	97	72	0	1	3	0
AZ PHOENIX	104	80	107	76	92	2	0	-.3	0	1.0	65	2.8	68	35	14	7	0	0	0
PRESCOTT	86	57	88	50	71	1	.1	-.8	.1	3.5	61	8.7	74	56	22	0	0	1	0
TUCSON	98	70	101	66	84	0	.1	-.4	.1	3.6	91	7.0	108	55	17	7	0	0	0
YUMA	106	77	108	70	92	-1	0	-.1	0	T	5	.3	21	61	15	7	0	0	0
AR FORT SMITH	93	72	97	70	82	1	1.2	.5	.5	8.2	98	30.3	118	96	48	6	0	3	1
LITTLE ROCK	91	72	94	68	82	1	1.0	.5	.7	6.5	84	26.0	86	94	59	5	0	3	1
CA BAKERSFIELD	90	64	93	60	77	-6	0	0	0	.4	550	2.0	51	65	30	4	0	0	0
EUREKA	64	52	71	50	58	1	T	-.1	T	1.1	129	11.7	52	94	70	0	0	0	0
FRESNO	92	63	95	61	77	-2	T	0	T	.4	433	3.4	48	71	28	6	0	1	0
LOS ANGELES	72	62	74	61	67	-3	0	0	0	T	0	3.5	42	77	52	0	0	0	0
RED BLUFF	92	60	98	58	76	-4	.1	0	-.1	.5	95	5.4	42	76	24	6	0	1	0
SACRAMENTO	83	55	94	52	69	-6	.1	-.1	-.1	.2	131	4.4	41	95	40	1	0	1	0
SAN DIEGO	73	66	75	65	70	-3	0	0	T	.2	229	2.4	39	81	55	0	0	0	0
SAN FRANCISCO	70	56	77	54	63	0	T	0	T	.3	236	6.9	55	85	56	0	0	1	0
CO DENVER	84	54	92	50	69	-3	.1	-.3	0	5.4	122	11.3	102	73	21	2	0	3	0
GRAND JUNCTION	90	56	94	48	73	-4	T	-.2	T	1.8	131	6.4	133	42	10	5	0	0	0
PUEBLO	89	57	96	52	73	-2	.6	.2	.5	6.2	151	10.8	140	85	21	4	0	2	1
CT BRIDGEPORT	85	66	92	54	75	2	T	-.8	T	11.6	140	22.3	87	83	49	2	0	0	0
HARTFORD	87	64	97	54	75	4	1.7	.8	1.7	10.5	122	19.3	72	91	45	2	0	0	1
DC WASHINGTON	91	73	98	71	82	4	T	-.1	T	5.3	55	18.2	73	85	45	4	0	0	0
FL APALACHICOLA	89	76	92	73	83	1	1.0	-.6	1.0	16.9	107	30.5	92	88	66	2	0	1	1
DAYTONA BEACH	88	74	90	73	81	0	.9	-.5	.4	14.0	92	23.4	80	93	67	1	0	6	0
JACKSONVILLE	90	73	93	72	81	0	.9	-.7	.6	12.9	82	21.5	63	96	62	4	0	3	1
KEY WEST	89	80	91	77	85	1	.5	-.6	.3	7.7	70	25.4	123	86	66	4	0	3	0
MIAMI	91	78	91	72	84	1	.7	-.9	.3	26.1	139	34.3	100	87	60	7	0	3	0
ORLANDO	92	74	95	72	83	0	1.2	-.2	.9	15.2	81	26.7	81	97	55	6	0	2	1
TALLAHASSEE	92	73	94	70	82	1	.9	-.7	.9	21.3	110	34.0	77	98	52	7	0	2	1
TAMPA	93	75	94	73	84	2	1.2	-.5	1.2	19.4	115	26.5	36	95	54	7	0	2	1
WEST PALM BEACH	89	79	90	75	84	1	.1	-.1	0	19.2	115	32.0	94	89	62	2	0	3	0
GA ATLANTA	88	72	90	70	80	2	1.4	.7	.6	14.2	140	32.6	96	86	50	1	0	3	1
AUGUSTA	95	70	97	67	82	2	.2	-.7	.2	7.4	71	21.3	70	93	44	7	0	2	0
MACON	93	72	95	70	83	2	.4	-.5	.3	8.1	78	22.2	70	94	45	7	0	3	0
SAVANNAH	91	72	94	70	82	1	.8	-.7	.6	17.2	102	24.5	71	95	51	6	0	3	1
HI HILO	82	70	86	68	76	0	.9	-.5	.4	16.0	78	83.4	105	94	71	0	0	6	0
HONOLULU	91	73	92	71	82	1	T	-.1	T	.5	38	8.3	59	82	45	7	0	0	0
KAHULUI	86	69	90	64	77	-2	.3	-.1	.3	.5	50	6.4	48	89	60	1	0	1	0
LIHUE	85	75	86	72	80	1	.3	-.1	.3	1.9	41	16.2	64	77	58	0	0	1	0
ID BOISE	83	50	92	45	67	-6	0	-.1	0	1.3	93	5.5	73	60	18	1	0	0	0
LEWISTON	83	54	90	49	69	-4	T	-.2	T	2.4	106	6.2	77	67	21	1	0	0	0
POCATELLO	79	43	88	38	61	-9	T	-.1	T	1.6	85	6.3	89	65	18	0	0	0	0
IL CHICAGO	84	63	88	57	74	1	2.1	1.3	1.7	9.3	97	23.3	106	90	48	0	0	3	1
MOLINE	82	62	89	54	72	-2	.4	-.5	.2	7.2	64	21.3	85	99	59	0	0	3	0
PEORIA	81	64	87	58	73	-1	1.7	1.0	1.3	11.6	119	25.2	109	96	63	0	0	3	0
QUINCY	81	63	92	56	72	-3	2.5	1.7	1.8	8.7	83	20.6	84	99	74	1	0	2	2
ROCKFORD	81	60	86	54	70	-2	2.8	2.0	1.6	10.2	91	21.1	87	97	53	0	0	4	2
SPRINGFIELD	83	64	89	59	74	-1	2.1	1.4	1.2	13.4	148	24.3	107	98	64	0	0	2	2
IN EVANSVILLE	89	72	93	69	81	4	1.1	.4	.5	7.8	84	26.7	94	83	52	4	0	3	0
FORT WAYNE	83	67	90	60	75	3	3.7	2.9	1.8	9.0	101	22.3	97	85	55	1	0	3	3
INDIANAPOLIS	84	67	89	63	76	2	2.0	1.2	1.6	10.1	97	28.3	107	97	64	0	0	2	1
SOUTH BEND	82	63	86	55	72	1	1.8	.9	1.2	8.9	91	23.0	95	87	50	0	0	3	2
IA DES MOINES	83	62	91	54	72	-2	.1	-.8	.1	6.3	65	14.1	67	94	54	1	0	2	0
SIoux CITY	77	57	81	52	67	-7	.9	.2	.6	4.0	44	14.9	82	95	54	0	0	4	1
WATERLOO	81	57	90	49	69	-2	1.2	.4	1.1	8.2	74	16.7	73	95	53	1	0	3	1
KS CONCORDIA	84	62	89	57	73	-6	T	-.7	T	8.1	86	17.8	87	81	42	5	0	2	0
DODGE CITY	89	64	95	57	77	-3	.1	-.5	.1	7.3	96	13.2	87	81	39	2	0	1	0
GOODLAND	83	58	93	55	71	-4	.5	.1	.5	11.4	183	18.0	149	83	39	2	0	4	1
IOPEKA	83	61	91	33	72	-6	1.7	.9	.9	14.5	130	27.0	121	98	62	1	0	4	1
WICHITA	87	68	96	65	78	-3	.8	.2	.7	11.0	120	19.3	102	92	54	3	0	3	1
KY BOWLING GREEN	87	71	94	69	79	1	1.6	.8	1.1	11.7	109	24.6	75	97	56	4	0	3	1
LEXINGTON	87	70	93	67	78	3	1.5	.6	.9	10.7	93	24.0	76	96	58	4	0	2	2
LOUISVILLE	87	72	93	68	80	3	.5	-.2	.3	9.7	101	24.0	82	96	62	3	0	2	0
LA ALEXANDRIA	88	73	93	70	81	-2	4.4	3.7	4.0	14.5	140	34.9	94	92	62	4	0	3	1
BATON ROUGE	89	74	92	72	82	0	4.0	2.9	2.6	18.6	141	37.5	99	94	60	4	0	5	2
LAKE CHARLES	80	74	97	73	82	0	4.1	2.9	4.1	10.1	80	28.9	87	97	59	5	0	1	1
NEW ORLEANS	89	74	92	72	82	-1	5.4	4.0	2.9	17.6	120	41.9	107	87	58	4	0	4	2

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending August 17, 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 °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
SHREVEPORT	94	74	99	72	84	1	.1	-.5	.1	13.2	156	29.3	101	92	50	5	0	1	0
ME CARIBOU	76	55	83	45	66	2	.7	-.2	.7	9.1	96	19.0	87	86	43	0	0	2	1
PORTLAND	82	60	91	53	71	3	.1	-.6	.1	7.0	94	16.0	62	84	46	1	0	2	0
MD BALTIMORE	90	68	99	62	79	3	T	-1.1	T	5.3	52	19.1	72	86	44	3	0	0	0
SALISBURY	90	70	96	61	80	4	T	-1.3	T	7.0	65	18.8	67	100	52	3	0	0	0
MA BOSTON	83	67	93	60	75	3	.2	-.7	.2	11.5	153	21.6	81	91	49	2	0	1	0
CHATHAM	78	63	83	59	71	3	.3	-.6	.3	10.3	131	24.9	89	--	--	0	0	1	0
MI ALPENA	78	51	85	44	65	-1	T	-.7	T	5.6	70	18.1	99	96	42	0	0	0	0
DETROIT	80	61	89	55	70	-1	2.3	1.6	1.3	8.6	102	24.6	121	92	51	0	0	3	2
FLINT	81	54	86	48	68	-2	.7	-.1	.4	5.3	67	20.8	110	97	45	0	0	2	0
GRAND RAPIDS	79	57	82	52	68	-2	1.0	-.2	.5	7.5	87	20.9	99	98	54	0	0	3	1
HOUGHTON LAKE	76	53	81	45	65	-1	1	-.6	.1	5.4	72	16.9	98	93	41	0	0	1	0
LANSING	79	54	83	49	67	-3	1.0	-.3	.9	6.8	86	20.3	107	96	51	0	0	3	1
MARQUETTE	73	50	80	46	61	-2	1.2	-.5	.7	8.1	93	28.8	125	94	47	0	0	2	2
MUSKEGON	78	57	81	52	67	-2	1.1	-.4	.9	8.4	128	21.4	113	89	56	0	0	3	1
MN SAULT STE. MARIE	74	48	81	42	61	-2	1.3	-.5	.5	7.1	89	24.0	125	99	48	0	0	3	1
ALEXANDRIA	72	54	76	51	63	-6	.9	0	.8	6.5	72	16.2	96	92	52	0	0	3	1
DULUTH	71	50	76	39	61	-4	1.9	.9	1.4	9.5	93	19.3	99	97	50	0	0	4	1
INT'L FALLS	67	47	75	38	57	-7	1.8	1.2	1.0	10.0	110	21.6	136	99	60	0	0	4	1
MINNEAPOLIS	77	58	79	53	68	-4	2.8	1.9	2.4	7.4	77	18.8	103	83	48	0	0	3	1
ROCHESTER	77	55	83	46	66	-4	1.1	-.2	.9	5.1	51	12.4	65	79	48	0	0	3	1
MS GREENWOOD	89	74	94	69	81	0	1.4	-.8	.9	7.2	76	22.1	62	100	66	4	0	5	1
JACKSON	90	71	95	69	81	-1	5.4	4.6	4.0	13.1	139	32.0	90	97	57	5	0	3	3
MERIDIAN	90	71	94	69	80	-1	4.8	4.1	3.8	14.3	133	33.1	90	99	58	5	0	2	2
MO CAPE GIRARDEAU	88	72	94	68	80	--	.5	-.3	.4	8.7	96	33.2	113	93	60	3	0	3	0
COLUMBIA	84	66	93	59	75	-2	1.3	.7	1.2	14.3	161	32.6	137	97	65	1	0	3	1
KANSAS CITY	82	65	94	57	73	-4	1.5	.7	.8	13.6	124	28.0	120	95	67	1	0	4	1
SAINT LOUIS	87	69	93	64	78	1	.9	.3	.5	16.5	188	32.9	143	96	61	3	0	3	1
SPRINGFIELD	89	69	94	65	79	1	1.5	1.0	1.0	11.0	114	30.8	122	97	52	3	0	3	2
MT BILLINGS	67	48	78	44	58	-14	.4	.2	.1	4.1	121	8.4	80	90	41	0	0	5	0
GLASGOW	65	49	72	42	57	-13	.5	.1	.2	6.3	126	9.9	113	93	51	0	0	5	0
GREAT FALLS	63	45	72	38	54	-15	2.4	2.2	1.1	5.5	122	10.7	96	97	55	0	0	4	2
HAVRE	66	48	75	42	57	-12	1.1	.8	.4	2.2	56	5.4	66	92	43	0	0	4	0
HELENA	67	44	76	38	56	-11	1.7	1.4	.7	2.8	77	5.0	61	91	42	0	0	5	1
KALISPELL	68	41	75	36	54	-10	1	-.2	.1	2.2	57	6.7	65	91	41	0	0	3	0
MILES CITY	71	51	80	45	61	-12	.5	.2	.5	5.5	112	8.7	85	82	36	0	0	1	0
MISSOULA	69	45	80	40	57	-10	.9	.7	.4	2.6	80	6.0	67	98	46	0	0	3	0
NE GRAND ISLAND	80	57	86	49	68	-7	1.7	1.1	.9	9.3	119	19.9	117	93	52	0	0	3	2
LINCOLN	80	58	87	51	69	-7	1.5	.7	1.3	15.0	168	24.0	125	97	60	0	0	3	1
NORFOLK	78	57	83	51	67	-7	1.0	.3	.5	7.3	80	17.5	98	95	49	0	0	5	0
NORTH PLATTE	80	53	89	45	67	-7	T	-.4	T	5.7	73	12.7	84	77	40	0	0	1	0
OMAHA	78	60	84	55	69	-5	1.0	.1	.8	6.6	67	16.0	78	88	63	0	0	4	1
SCOTTSBLUFF	82	52	95	44	67	-6	.1	-.1	.1	2.7	50	6.0	53	90	26	2	0	2	0
VALENTINE	78	53	90	47	65	-8	.5	-.1	.4	5.2	76	8.6	66	76	33	1	0	4	0
NV ELY	83	42	89	30	63	-4	T	-.1	T	1.1	59	4.5	74	56	13	0	1	0	0
LAS VEGAS	103	73	105	69	88	-1	0	-.1	0	.2	19	.8	30	18	7	7	0	0	0
RENO	89	49	95	42	69	2	T	0	T	.1	15	2.1	43	61	12	4	0	0	0
WINNEMUCCA	88	44	95	36	66	-3	T	-.1	T	.5	40	2.9	57	43	13	3	0	1	0
NH CONCORD	84	55	93	46	70	2	.1	-.7	.1	6.1	79	15.0	69	96	40	2	0	1	0
NJ ATLANTIC CITY	90	69	97	63	79	6	T	-1.1	T	7.5	79	19.6	74	90	46	3	0	0	0
NM ALBUQUERQUE	89	61	93	54	75	-2	.1	-.3	.1	2.1	78	6.6	135	63	15	5	0	1	0
CLOVIS	88	63	92	60	76	-1	4.8	4.2	4.8	10.3	154	18.1	160	84	34	4	0	1	1
ROSWELL	91	66	95	62	78	-2	T	-.5	T	4.4	126	9.4	174	82	30	3	0	1	0
NY ALBANY	83	59	92	49	71	2	.3	-.4	.3	6.7	82	16.3	74	98	44	2	0	1	0
BINGHAMTON	83	61	94	53	72	4	.3	-.5	.2	7.7	87	17.6	77	88	44	2	0	3	0
BUFFALO	82	60	87	54	71	2	.1	-.9	.1	5.9	74	22.6	101	92	44	0	0	1	0
NEW YORK	88	72	97	66	80	4	.4	-.6	.4	11.1	121	22.1	83	86	48	2	0	1	0
ROCHESTER	84	59	91	51	71	1	.1	-.6	.1	4.6	66	15.7	81	94	41	2	0	2	0
SYRACUSE	84	59	91	50	72	2	.5	-.4	.2	6.1	64	17.2	70	95	42	1	0	3	0
NC ASHEVILLE	84	63	88	61	73	0	3.7	2.6	3.2	10.6	94	23.4	74	100	56	0	0	2	2
CHARLOTTE	88	69	92	67	79	1	3.8	2.9	2.9	13.9	145	30.8	107	96	52	5	0	2	2
GREENSBORO	87	68	91	64	77	1	1.6	.6	1.4	8.8	83	22.9	82	93	53	3	0	2	1
HATTERAS	87	73	90	70	80	2	T	-.4	T	12.0	93	28.8	87	95	62	1	0	1	0
NEW BERN	91	72	93	71	82	3	.1	-1.3	.1	12.8	83	27.4	80	99	55	6	0	1	0
RALEIGH	88	69	92	67	79	1	1.3	.3	.8	10.7	101	25.6	82	88	51	4	0	2	2
WILMINGTON	91	71	93	70	81	1	0	-1.5	0	15.3	91	27.5	78	97	51	5	0	0	0
ND BISMARCK	73	51	80	43	62	-8	1.9	1.5	.8	4.7	78	11.7	102	93	46	0	0	4	2
FARGO	72	52	77	46	62	-8	1.6	1.0	1.0	7.2	91	14.6	105	92	47	0	0	5	1
GRAND FORKS	70	50	78	43	60	-8	1.5	.9	.7	5.3	73	12.2	97	94	57	0	0	3	2
WILLISTON	69	50	80	48	60	-10	1.0	.8	.9	4.1	77	8.1	81	82	44	0	0	2	1
OH AKRON-CANTON	84	62	92	54	73	2	1.4	.6	.8	6.7	73	22.4	93	97	50	1	0	4	1
CINCINNATI	86	69	92	64	77	3	.2	-.4	.2	8.5	84	26.8	98	92	57	2	0	1	0
CLEVELAND	81	62	88	52	72	1	1.0	.2	.7	8.0	92	22.2	97	91	55	0	0	4	1
COLUMBUS	86	67	92	60	77	4	.4	-.4	.3	8.9	88	21.3	84	90	57	2	0	3	0

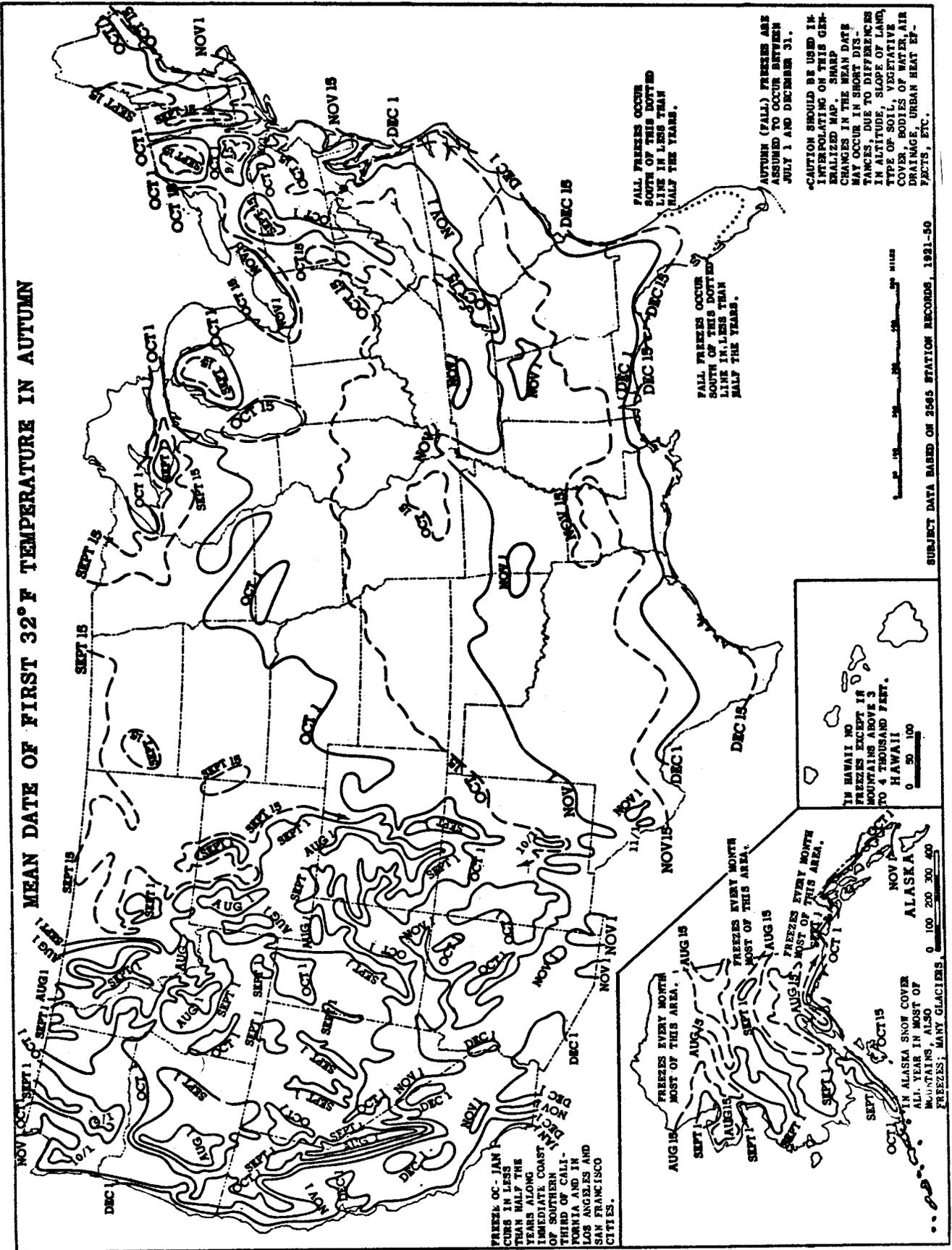
BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending August 17, 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 JAN 1	PCT. NORMAL SINCE JAN 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	84	66	91	58	75	2	.6	-.1	.6	5.8	65	20.5	86	88	55	1	0	2	1
TOLEDO	81	61	87	52	71	1	1.7	1.0	.8	8.8	103	22.9	110	97	55	0	0	3	1
YOUNGSTOWN	83	59	89	52	71	1	.6	-.1	.6	10.2	107	22.8	93	98	51	0	0	3	1
OK OKLAHOMA CITY	91	70	98	65	81	-1	.8	.3	.7	12.2	149	30.3	145	86	43	5	0	2	1
TULSA	91	72	100	69	82	-1	1.4	.8	1.4	11.8	123	33.9	135	93	50	4	0	1	1
OR ASTORIA	72	52	87	48	62	1	0	-.3	0	4.5	108	21.1	56	98	60	0	0	0	0
BURNS	79	40	83	37	59	-9	0	-.2	0	.3	19	3.5	85	--	--	0	0	0	0
MEDFORD	96	53	100	46	75	3	0	-.1	0	.4	34	4.8	44	70	14	7	0	0	0
PENDLETON	83	54	87	50	68	-4	0	-.1	0	1.3	99	4.9	67	56	20	0	0	0	0
PORTLAND	88	58	92	54	73	5	0	-.3	0	3.3	136	10.8	52	87	27	3	0	0	0
SALEM	89	50	94	45	69	3	0	-.2	0	2.9	152	11.8	53	94	24	4	0	0	0
PA ALLENTOWN	85	64	92	58	75	2	.2	-.8	.1	13.8	138	24.5	88	92	50	2	0	3	0
ERIE	81	64	88	59	73	4	.3	-.6	.3	8.9	99	23.9	103	87	55	0	0	1	0
HARRISBURG	87	68	93	64	78	3	.5	-.2	.4	6.3	73	20.5	83	92	54	2	0	2	0
PHILADELPHIA	87	69	93	64	78	2	0	-1.0	0	7.5	74	18.9	71	88	50	2	0	0	0
PITTSBURGH	85	62	92	56	74	3	1.2	.4	.9	7.4	82	21.1	85	87	46	2	0	3	1
SCRANTON	83	61	90	54	72	1	.2	-.6	.1	9.7	111	22.2	102	97	52	2	0	2	0
RI PROVIDENCE	85	65	93	58	75	3	T	-.9	T	11.4	143	24.0	87	94	50	2	0	1	0
SC CHARLESTON	91	73	93	72	82	2	.2	-1.3	.2	21.4	122	30.4	85	95	50	5	0	1	0
COLUMBIA	92	68	94	65	80	0	.2	-1.1	.2	12.9	100	28.3	83	100	46	7	0	1	0
FLORENCE	91	70	92	68	80	0	.6	-.5	.6	11.4	88	22.6	75	98	47	5	0	1	1
GREENVILLE	88	68	90	66	78	0	3.9	3.1	2.9	14.2	132	28.3	84	97	56	3	0	2	2
SD ABERDEEN	76	54	79	46	65	-6	.5	.1	.3	5.3	79	10.9	82	84	40	0	0	2	0
HURON	74	53	79	45	64	-10	1.5	1.0	.7	8.9	131	16.8	121	96	49	0	0	4	1
RAPID CITY	75	52	87	46	64	-9	.2	-.2	.1	3.3	52	6.9	53	79	34	0	0	2	0
SIOUX FALLS	74	54	79	51	64	-9	1.7	1.0	1.0	7.5	93	18.8	113	93	51	0	0	5	1
TN CHATTANOOGA	88	71	92	69	79	1	1.7	1.0	1.1	8.2	84	26.0	75	94	56	3	0	2	2
KNOXVILLE	89	67	94	64	78	1	2.0	1.3	1.6	10.4	104	24.3	76	100	54	5	0	4	1
MEMPHIS	89	74	93	71	81	0	.8	0	.4	10.5	108	32.0	92	95	61	4	0	2	0
NASHVILLE	90	72	96	71	81	2	1.6	.9	1.5	6.1	65	20.8	64	93	51	5	0	2	1
TX ABILENE	95	72	98	68	84	0	3.3	2.7	3.3	6.8	115	16.6	114	77	31	6	0	1	1
AMARILLO	89	65	96	60	77	-1	1.2	.5	.6	6.7	85	13.6	100	83	37	4	0	3	2
AUSTIN	98	76	101	74	87	2	T	-.5	T	7.2	120	16.5	86	88	32	7	0	0	0
BEAUMONT	91	74	96	74	83	0	2.4	1.3	1.3	13.8	113	35.1	111	100	61	5	0	4	2
BROWNSVILLE	95	75	96	73	85	1	.3	-.3	.3	11.0	204	19.6	158	97	48	7	0	1	0
CORPUS CHRISTI	94	74	96	71	84	-1	0	-.7	0	5.0	74	18.8	118	83	45	7	0	0	0
DEL RIO	97	76	99	74	87	1	0	-.3	0	6.8	163	14.0	139	76	31	7	0	0	0
EL PASO	93	67	97	65	80	-1	T	-.3	T	1.8	63	3.6	82	78	25	6	0	0	0
FORT WORTH	99	75	102	71	87	1	0	-.4	0	6.6	121	19.6	102	70	31	7	0	0	0
GALVESTON	88	78	90	74	83	0	T	-.9	T	10.5	112	27.7	122	84	57	1	0	2	0
HOUSTON	94	74	96	71	84	1	T	-.8	T	10.5	114	28.4	104	95	51	7	0	1	0
LUBBOCK	90	67	94	64	78	0	.3	-.2	.3	8.9	140	14.2	119	89	39	4	0	2	0
MIDLAND	93	69	99	67	81	0	.8	.4	.4	3.9	97	7.2	86	84	33	6	0	3	0
SAN ANGELO	96	70	100	67	83	-1	.2	-.2	.1	4.8	123	12.8	122	88	30	6	0	3	0
SAN ANTONIO	96	75	97	73	86	1	.2	-.4	.2	14.0	225	27.2	156	86	34	7	0	1	0
VICTORIA	97	75	99	73	86	2	T	-.7	T	8.2	97	28.7	137	95	38	7	0	0	0
WACO	100	75	102	70	87	1	.1	-.3	.1	6.4	121	16.6	85	80	31	7	0	1	0
WICHITA FALLS	98	71	102	68	84	-1	.3	-.1	.3	7.9	134	23.1	136	77	33	6	0	1	0
UT BLANDING	88	52	89	47	70	-2	T	-.3	T	3.0	134	8.8	133	54	13	0	0	1	0
CEDAR CITY	88	54	90	42	71	-2	0	-.3	0	1.7	74	6.5	100	42	13	3	0	0	0
SALT LAKE CITY	85	59	93	56	72	-3	T	-.2	T	2.2	100	9.4	91	53	18	3	0	0	0
VT BURLINGTON	81	59	89	51	70	2	.7	-.2	.6	8.9	97	19.5	94	85	42	0	0	3	1
VA NORFOLK	90	73	97	70	81	3	.7	-.5	.6	13.8	119	27.0	93	88	53	4	0	2	1
RICHMOND	94	72	100	69	83	6	1.2	.1	1.0	12.0	103	23.6	84	82	46	5	0	2	1
WA ROANOKE	89	68	94	66	79	4	3.2	2.3	2.5	10.3	115	26.9	106	85	50	6	0	3	2
COLVILLE	80	49	87	45	64	-3	0	-.3	0	2.2	78	7.0	67	67	27	0	0	0	0
QUILLAYUTE	77	47	85	43	62	3	0	-.6	0	3.4	51	28.8	51	99	41	0	0	0	0
SEATTLE-TACOMA	84	56	89	52	70	6	0	-.3	0	3.5	127	11.3	55	79	26	0	0	0	0
SPOKANE	79	49	83	40	64	-5	.1	-.1	0	1.1	52	5.2	52	73	19	0	0	3	0
YAKIMA	84	49	87	45	67	-2	0	-.1	0	.5	57	2.4	51	72	23	0	0	0	0
WV BECKLEY	81	63	86	59	72	3	.7	-.2	.4	10.4	100	24.9	87	97	58	0	0	3	0
CHARLESTON	89	70	96	66	79	5	.4	-.6	.3	7.1	63	24.4	84	90	53	5	0	3	0
HUNTINGTON	86	69	91	66	78	3	.6	-.3	.3	10.9	107	26.6	96	99	60	3	0	4	0
PARKERSBURG	86	68	93	62	77	3	.9	-.1	.5	4.8	44	19.4	66	97	57	2	0	3	1
WI GREEN BAY	78	57	83	54	67	-1	2.7	2.0	1.4	10.9	134	21.9	121	93	53	0	0	2	2
LA CROSSE	81	59	87	50	70	-2	.5	-.3	.4	6.2	62	14.9	73	93	50	0	0	2	0
MADISON	80	57	84	51	69	-1	.8	-.1	.8	8.7	89	20.0	98	94	48	0	0	1	1
MILWAUKEE	78	61	85	53	70	0	.4	-.3	.2	4.3	49	17.3	85	99	53	0	0	3	0
WAUSAU	75	57	80	51	66	-2	3.1	2.2	2.8	8.8	87	17.6	86	92	49	0	0	2	1
WY CASPER	76	45	84	38	60	-9	.1	-.1	.1	3.0	112	7.5	90	83	22	0	0	1	0
CHEYENNE	76	49	87	43	63	-5	.2	-.2	.2	11.8	251	15.1	150	79	29	0	0	1	0
LANDER	74	46	83	40	60	-10	T	-.1	T	2.7	114	5.5	59	66	21	0	0	0	0
SHERIDAN	71	46	80	39	58	-11	T	-.2	T	2.7	74	6.8	64	86	31	0	0	0	0
PR SAN JUAN	90	76	91	74	83	0	1.4	.1	.8	4.9	39	18.8	64	90	63	3	0	4	1

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

MEAN DATE OF FIRST 32°F TEMPERATURE IN AUTUMN



National Agricultural Summary

August 12 to 18, 1985

HIGHLIGHTS: Rain benefited crops over the eastern half of the Nation but interrupted fieldwork. The Northeast, a portion of Texas, and most western States remained dry. Crops continued improving with conditions mostly good. Cool temperatures slowed crop development in the northern Great Plains. Fieldwork averaged 5 days or less over the eastern half of the Nation except for the Northeast which averaged 5 days or more. Farmers were able to work 6 days or more in the West, with the exception of Montana which averaged less than 3 days.

Winter wheat was 96% harvested, slightly ahead of the average. Harvest was confined mostly to the Pacific Northwest. Spring wheat was 44% harvested compared with 58% in 1984 and the 52% average. Corn was mostly good and slightly more than two-thirds of the acreage reached the dough stage, 8 points ahead of the average. Acreage with ears in the dent stage reached 26%. Soybeans were mostly good. The acreage setting pods reached 76%, compared with 67% last year and average. Sorghum was 77% headed, 6 points ahead of the normal pace. Rice was 78% headed and 12% harvested. Harvest was limited to Louisiana and Texas. Peanuts were mostly good with harvest underway in Alabama, Georgia, and Texas. Rains enhanced pasture growth in the East, but pastures continued drying in western States. Livestock was mostly good.

SMALL GRAINS: Winter wheat harvest reached 96% completion, slightly ahead of the average. Harvest was confined mostly to the Pacific Northwest, but a few fields remained to be harvested in California and Colorado. In Idaho, wheat was 50% harvested, up 14 points from the previous week and 11 points ahead of normal. Montana's wheat harvest advanced 15 points from last week and was 15 points ahead of the 65% average. About one-fifth of Washington's wheat was harvest during the week, with only 9% harvested in Oregon.

Spring wheat was 44% harvested compared with 58% in 1984 and the 52% average. Harvest continued trailing last year and average in Idaho, Minnesota, and North Dakota. The gap widened with Idaho 8 points behind normal, Washington 12 points behind, and Minnesota 30 points behind normal.

CORN: Corn was mostly good. Additional moisture improved corn in some areas, especially the Corn Belt. In 16 of the 17 major producing States slightly more than two-thirds of the acreage reached the dough stage, 11 points ahead of the previous year and 8 points above the average. Acreage with ears in the dent stage reached 26%. Last year, only 15% had reached the dent stage, and normally 20% of the acreage would have ears dented. Denting was ahead of or equaled the average in all States except Minnesota. Corn was virtually mature across the Southeast and harvest was ahead of normal in all States except Texas. Harvest was underway as far north as Kentucky and Virginia.

SOYBEANS: Soybeans were mostly good but a few States, mostly in the Delta and Southeast were good to fair. The soybean acreage with pods reached 76%, compared with 67% last year and average. Pod setting was most advanced in the Corn Belt and Great Plains with 87% of the acreage setting pods compared with 48 and 52% setting pods in the Southeast and Delta, respectively. Soybeans began turning yellow in Louisiana, Minnesota, North Dakota, and Ohio and began dropping leaves in Georgia.

SORGHUM: In the 7 major producing States, sorghum was mostly good. Sorghum was 77% headed, 6 points ahead of the normal pace. Heading was ahead of normal in all States, except South Dakota which trails the average by 8 points. Heading ranged from 60% complete in Kansas to 92% complete in Arkansas. Harvest continued increasing in the Southeast, but most of the activity was centered in Texas. Texas sorghum harvest was 52% finished with harvest virtually finished from the Rio Grande Valley northward to central Texas.

COTTON: The cotton acreage setting bolls totaled 94% of the crop compared with 92% normally. Bolls were opening in all States except New Mexico, North Carolina, and Oklahoma. In the 14 major producing States, 11% of the acreage had opening bolls which was about normal. Texas cotton was 9% harvested compared with 6% normally. Yields have been good thus far.

OTHER CROPS: Rice was 78% headed, compared with 68% last year and the 69% average. Harvest was limited to Louisiana and Texas with 37 and 30% of the crop harvested, respectively. Harvest was progressing normally in Louisiana but lags 46 points behind normal in Texas.

Peanuts were mostly good. Harvest was underway in Alabama, Georgia, and Texas. Producers in Virginia continued spraying to control disease and insects.

Tobacco harvest was virtually complete in Florida and 80% complete in Georgia. Nearly one-third of the flue-cured crop was harvested in North Carolina, 33 points behind normal. Burley was 18% harvested in Tennessee and 20% harvested in Kentucky. Dark-fire and dark air-cured tobaccos were 20 and 10% harvested in Tennessee, respectively. In Kentucky 16% of the dark tobacco was cut.

VEGETABLES: Vegetable harvest continued in the northern producing areas and in the West Coast States. Rain slowed fall vegetable land preparation and seeding in the Southeast except Florida and Texas. In the Rio Grande Valley of Texas, tomatoes and peppers made good progress under heavy irrigation. Transplanting of tomatoes and peppers were underway in the San Antonio-Winter Garden area. California vegetable growers continued harvesting broccoli, celery, cauliflower, lettuce, and cantaloups. Fall lettuce planting continued in the San Joaquin Valley.

FRUIT AND NUTS: Peach harvest neared completion in the South but continued increasing in the northern producing areas. Apple harvest continued gaining momentum in most areas. Excessive moisture was causing drainage problems in some Florida citrus groves. New growth was abundant on trees of all ages and new crop fruit has good size. California new crop citrus continued developing normally, but the crop is expected to be light. California stone fruit harvest was winding down. Table grape harvest continued and wine grape harvest increased. A few almonds were harvested and pistachios neared maturity.

LIVESTOCK AND PASTURES: Rain enhanced pasture growth in the East but pastures continued drying in the western States. Livestock was mostly good. The movement of livestock from summer pastures continued in some northwestern areas. Hot, humid conditions stressed livestock in Ohio.

CROP PROGRESS

FOR WEEK ENDING AUG 18, 1985

	WINTER WHEAT % HARVESTED		
	1985	1984	AVG.
ARK	100	100	100
CALIF	99	99	100
COLO	99	94	95
GA	100	100	100
IDAHO	50	38	39
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MICH	100	100	99
MO	100	100	98
MONT	80	90	65
NEBR	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	88	76	82
S DAK	100	100	100
TEX	100	100	100
WASH	80	70	76

18 STATES 96 96 95

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

	SPRING WHEAT % HARVESTED		
	1985	1984	AVG.
IDAHO	18	20	26
MINN	30	62	60
MONT	55	55	35
N D	34	52	46
S DAK	86	80	86
5 STATES	44	58	52

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

	SORGHUM % HEADED		
	1985	1984	AVG.
ARK	92	NA	NA
KANS	60	60	50
MO	85	85	77
NEBR	85	75	80
OKLA	85	85	70
S DAK	64	62	72
TEX	89	83	88

7 STATES 77 NA NA

EXCL. STATES WITH NA 77 73 71

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

NA - NOT AVAILABLE

	COTTON % SETTING BOLLS		
	1985	1984	AVG.
ALA	100	97	96
ARIZ	99	99	100
ARK	99	99	99
CALIF	100	96	96
GA	100	96	98
LA	100	100	97
MISS	100	95	96
MO	100	100	96
N MEX	100	100	99
N C	95	90	92
OKLA	85	70	65
S C	100	100	100
TENN	100	92	90
TEX	88	89	88
14 STATES	94	92	91

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

	COTTON % BOLLS OPENING		
	1985	1984	AVG.
ALA	8	5	7
ARIZ	20	25	20
ARK	20	0	5
CALIF	5	5	4
GA	15	9	18
LA	23	1	8
MISS	15	3	7
MO	5	3	5
N MEX	0	10	7
N C	0	0	0
OKLA	0	0	0
S C	13	0	13
TENN	6	3	5
TEX	11	11	13
14 STATES	11	8	10

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

	RICE % HEADED		
	1985	1984	AVG.
ARK	80	45	56
CALIF	45	70	50
LA	89	91	87
MISS	97	69	72
TEX	86	100	100
5 STATES	78	68	69

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

	RICE % HARVESTED		
	1985	1984	AVG.
ARK	0	0	0
CALIF	0	0	0
LA	37	41	37
MISS	0	0	0
TEX	30	68	76
5 STATES	12	18	19

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

	CORN % DOUGH		
	1985	1984	AVG.
COLO	56	59	41
GA	100	99	99
ILL	85	75	79
IND	85	65	70
IOWA	58	47	50
KANS	85	70	60
KY	88	70	73
MICH	50	40	50
MINN	34	37	37
MO	93	78	77
NEBR	70	70	60
N C	97	82	88
OHIO	100	55	60
PA	46	31	43
S DAK	40	30	40
TEX	88	NA	NA
WIS	42	35	42

17 STATES 68 NA NA

EXCL. STATES WITH NA 67 56 59

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

NA - NOT AVAILABLE

	CORN % DENT		
	1985	1984	AVG.
COLO	16	7	6
GA	98	93	97
ILL	42	21	36
IND	20	5	15
IOWA	22	11	14
KANS	30	20	20
KY	56	26	35
MICH	5	5	5
MINN	3	5	6
MO	67	45	45
NEBR	15	10	10
N C	80	69	79
OHIO	40	10	15
PA	6	5	7
S DAK	7	6	9
TEX	67	NA	NA
WIS	8	6	8

17 STATES 26 NA NA

EXCL. STATES WITH NA 26 15 20

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

NA - NOT AVAILABLE

	SOYBEANS % BLOOMING		
	1985	1984	AVG.
ALA	89	76	85
ARK	82	62	63
GA	94	85	89
ILL	100	100	98
IND	100	98	97
IOWA	100	100	98
KANS	90	85	80
KY	82	71	73
LA	91	93	87
MICH	97	95	97
MINN	98	98	99
MISS	94	84	87
MO	93	84	81
NEBR	100	98	97
N C	67	77	73
OHIO	100	99	95
S C	81	76	77
S DAK	93	79	95
TENN	85	85	85

19 STATES 94 90 90

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

	SOYBEANS % SETTING PODS		
	1985	1984	AVG.
ALA	62	54	59
ARK	42	41	38
GA	70	61	61
ILL	91	83	83
IND	75	60	70
IOWA	95	89	86
KANS	70	65	50
KY	42	30	32
LA	73	74	65
MICH	60	70	74
MINN	92	91	89
MISS	48	42	49
MO	75	58	55
NEBR	90	70	70
N C	31	40	41
OHIO	100	75	75
S C	40	36	40
S DAK	75	60	80
TENN	55	35	40

19 STATES 76 67 67

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 less than 0.50 to 2.00 in. central; over 2.00 in. near coast; 2.00 to 4.00 in. across northwest. Temperatures averaged near normal.

Fieldwork 4.9 days. Soil moisture 20% short, 69% adequate, 11% surplus. Corn mature 93%, 65% 1984, 72% avg.; harvested 45%, 15% 1984, 28% avg. Corn 7% poor, 42% fair, 44% good, 7% excellent. Cotton bolls open 8%, 5% 1984, 7% avg.; 14% fair, 78% good, 8% excellent. Soybeans blooming 89%, 76% 1984, 85% avg.; setting pods 62%, 54% 1984, 59% avg. Soybeans 28% fair, 67% good, 5% excellent. Sorghum harvested 15%; 2% poor, 26% fair, 67% good, 5% excellent. Small percentage peanuts harvested; 13% fair, 87% good. Pastures 24% fair, 67% good, 9% excellent. Livestock 22% fair, 71% good, 7% excellent. Primary activities: Controlling insects, disease on row crops, vegetables; harvesting grain sorghum, corn, hay, peanuts, fruits, vegetables; clipping pastures; general care of livestock, poultry.

ALASKA: Mostly cool and wet until weekend. Railbelt temperatures up to 90 below normal. Rainfall ranged from 0.44 in. up to 1.38 in.

Up to 4.0 days available 2nd crop hay harvest, ranged up to 20% complete. Topsoil moisture 10% short, 77% adequate, 13% surplus. Subsoil moisture 10% short, 88% adequate, 2% surplus. Barley grain 63% fair, 37% good. Barley for grain 80% turning color. Vegetable harvest continued.

ARIZONA: Few light showers over extreme eastern section of State on 18th, isolated sprinkles or very light showers over eastern half on 17th. Otherwise, sunny skies prevailed with very dry air, which reduced the daily temperature ranges of 30 to 45°. Average temperatures varied from 40 below normal to 20 above.

Cotton 46% good, 54% excellent. Bolls setting 99%, 99% 1984, 100% avg. Open bolls 20%, 25% 1984, 20% avg. Heavier than usual weevil infestations in central area. Control measures for budworms, bollworms, and thrips in use. Some boll rot from excessive rain southeast. Alfalfa hay good. Harvest progress moderate. Weed, insect infestation heavy due to recent rains. Corn, sorghum good. Sorghum heading in most areas. Apple harvest increasing. Chipper potatoes dug on limited scale. Watermelons shipped on a limited scale. Shipment expected through August. Lemon harvest should continue very light through August. Volume expected to increase early September as more packing houses start. Other citrus varieties sizing, developing normally. Groves in good condition.

ARKANSAS: Temperatures 10 below normal to 40 above normal. Scattered showers, thunderstorms. Temperatures extremes 61°; 100°. Precipitation none to 2.56 in.

Days suitable for fieldwork 6.0. Soil moisture 38% short, 59% adequate, 3% surplus. Cotton 99% setting bolls, 99% 1984, 99% avg. Cotton bolls 20% opening, none 1984, 5% avg.; 9% fair, 86% good, 5% excellent. Winter wheat 100% harvested, 100% 1984, 100% avg. Rice 80% headed, 45% 1984, 56% avg.; harvested beginning, none 1984, none avg.; 6% fair, 84% good, 10% excellent. Sorghum 92% headed; 35% fair, 57% good, 8% excellent. Soybeans 82% blooming, 62% 1984, 63% avg.; soybeans 42% setting pods, 41% 1984, 38% avg.; soybean 4% poor, 21% fair, 75% good.

CALIFORNIA: Temperature slightly below normal, precipitation nonexistent. Few stations recorded averages above normal. Low, Riverside averaged 60 below normal. Temperature readings ranged from 330 Alturas to 1090 Thermal.

Irrigation, spraying fields to control pests. Rice 45% headed, 70% 1984, 50% avg. Rice none harvested, none 1984, none avg. Wheat 99% harvested, 99% 1984, 100% avg. Cotton 100% setting bolls, 96% 1984, 96% avg. Cotton 5% bolls opening, 5% 1984, 4% avg. Safflower, sugarbeets, early corn harvested continued San Joaquin, Sacramento Valley areas. Dry bean maturing well. Alfalfa continued to be cut for hay. Rice 17% fair, to 83% good. Cotton 75% good to 25% excellent. Harvesting fruit, nut crops active. Many apple varieties released for harvest. Figs harvested. Table grape harvest continued. Wine grape harvest underway. Harvest of stone fruits winding down. Quality of fruit good, large sizes. Pear harvest in full swing, many areas. Growers harvested prunes. Granda pomegranates picked, very light volume. New citrus crop continued to develop. New crop expected to be light. Almonds started to be shaken from trees, most areas. A few almonds picked up. Pistachos nearing maturity. Growers sprayed walnuts for huck fly, mite control. Weather continued favorable most vegetable activities. Artichokes remained seasonally light, quality variable. Broccoli moderate Salinas-Watsonville, Santa Maria variable quality. Cantaloup remained active San Joaquin, good quality, low demand. Carrot harvest fairly heavy supply San Joaquin, Salinas Valleys. Cauliflower light Salinas-Watsonville, Santa Maria. Celery remained light. Cucumber, sweet corn harvests active. Harvest mixed melons continued. Lettuce moderate both Salinas, Santa Maria, variable weight, quality. Planting fall lettuce continued San Joaquin Valley. Harvest green bell peppers continued, good quality. Summer potato harvest Riverside; good yields, quality, light demand. Fall potatoes made good growth, applying sprout inhibitor Tulelake-Butte Valley. Fresh market tomato harvest continued northern San Joaquin Valley. Processing tomato remained full swing, central valley areas nearing completion. Watermelon harvest nearing completion southern San Joaquin Valley. Feed supplies declined. Supplemental feeding widespread. Ranges, pastures dry most areas. Cooler temperatures brought increased milk production.

COLORADO: Typical summer weather with scattered showers, lower than normal temperatures. Heaviest precipitation over central, southern Plains midweek.

Days suitable for fieldwork 6.0. Soil moisture 19% short, 81% adequate. Winter wheat 99% harvested. Corn 5% fair, 16% good, 79% excellent; 97% silked, 91% 1984, 90% avg.; 56% dough, 59% 1984, 41% avg.; 16% dented, 7% 1984, 6% avg. Barley 66% harvested, 60% 1984, 56% avg. Dry beans 96% flowered, 91% 1984, 85% avg. Alfalfa hay 68% cut second time, 69% 1984, 71% avg. Range feed, livestock condition good.

FLORIDA: Typical summertime weather continued with scattered daytime thunderstorms. Storms less numerous south portion of Peninsula resulting in temperatures slightly above normal. Rainfall amounts mostly 1.00 to 3.00 in.

Soil moisture adequate, expect surplus east coast counties. Corn harvest continued active, weather permitting. Tobacco harvest virtually complete. Cotton, peanuts, soybeans good condition. Haymaking interrupted by frequent rains. Sugarcane making good progress. Pastures good to excellent south, northeast, in some central, western areas, conditions mostly fair. Recent showers have been helpful. Grazing generally adequate; cattle in mostly good to excellent condition. Army worms continue to be a problem in bermuda grass. Rain all citrus areas. Some groves with wet soil have drainage problems. Abundance of new growth on trees of all ages, new crop fruit has good size. Caretakers very busy cultivating, spraying, fertilizing. Summer weather with hot days, warm nights continued vegetable areas. Land preparation, laying plastic increasing with favorable weather. Planting tomatoes, peppers light, increasing slowly. Seeding, transplanting active for eggplant, celery, sweet corn seeding active, Everglades. Planting other fall vegetables expected early September.

GEORGIA: Most rain over north late 16th, 17th as remains of Hurricane Danny moved northeast. Rain 2.00 to 4.00 in. common north of Athens, Atlanta. Elsewhere showers, thunderstorms widely scattered. Local totals 1.00 to 2.00 in. over central, south but many areas less than 0.50 in. Temperatures near normal. Daily maximums in low to mid 90's common over central, south. Overnight lows mostly in 60's mountains, upper 60's to low 70's elsewhere.

Days suitable for fieldwork 5.4. Main activities: Harvesting, especially hay, silage, corn; insect and disease controls; tobacco marketing. Corn 98% dent, 93% 1984, 97% avg.; 93% mature, 83% 1984, 89% avg.; 36% harvested, 29% 1984, 41% avg.; 6% poor, 34% fair, 56% good, 4% excellent. Cotton 100% setting bolls, 96% 1984, 98% avg.; 15% bolls open, 9% 1984, 18% avg.; 13% fair, 85% good, 2% excellent. Grain sorghum 3% poor, 14% fair, 81% good, 2% excellent. Peanuts 3% dug, none 1984, 1% avg.; 1% threshed, none 1984, none avg.; 8% fair, 79% good, 13% excellent. Soybeans 94% blooming, 85% 1984, 89% avg.; 70% setting pods, 61% 1984, 61% avg.; 1% dropping leaves, 1% 1984, 4% avg.; 2% poor, 16% fair, 80% good, 2% excellent. Tobacco 80% harvested, 79% 1984, 86% avg.; 3% poor, 20% fair, 77% good. Watermelons 99% harvested, 95% 1984, 96% avg.; 10% poor, 16% fair, 68% good, 6% excellent. Apples 27% harvested, 44% 1984, 49% avg.; 7% poor, 37% fair, 53% good, 3% excellent. Peaches 100% harvested, 99% 1984, 98% avg.; 24% very poor, 9% poor, 24% fair, 43% good. Pecan 11% poor, 40% fair, 47% good, 2% excellent. Pastures 9% fair, 85% good, 6% excellent. Hay 18% fair, 78% good, 4% excellent. Cattle 11% fair, 85% good, 4% excellent. Hogs 13% fair, 83% good, 4% excellent.

HAWAII: Crops made fair to good progress as variable weather conditions continued. Islands experienced some light scattered showers which occurred among mostly sunny skies. Trades variable averaging 10 to 20 mph. Temperatures averaged in the high 80's, low 90's. Showers beneficial to orchard crops. Output of bananas expected to continue to increase over next few weeks. Head cabbage production anticipated to be moderate along with Head lettuce. Papaya production on temporary decline with output expected to increase again few weeks.

IDAHO: Northwesterly flow of air over State with minor upper level disturbances imbedded in it brought cool weather to State with temperatures averaging 5 to 10° below normal. Precipitation

confined to northern portions of State. Minor disturbance moved across northern State on 12th, 13th with rainfall amounts of from 0.22 to 0.77 in. Remainder of State dry throughout week. Potatoes 82% not turned color, 18% turned. Winter wheat 50% turned color, 50% harvested. Spring wheat 82% turned color, 18% harvested. Barley 72% color, 28% harvested. Alfalfa second cutting 76% cut, 66% 1984, 67% avg. Oats 40% harvested. Dry beans 5% harvested. Dry peas 84% cut, 59% 1984, 47% avg. Lentils 78% harvested, 26% avg. Grass seed 90% combined, 65% 1984. Peaches 10% picked. Mint 48% harvested, 67% 1984, 65% avg. Onions 14% harvested. Winter wheat 15% poor, 46% fair, 39% good. Spring wheat 21% poor, 46% fair, 33% good. Barley 20% poor, 40% fair, 40% good. Potatoes 77% good, 23% excellent. Oats 17% poor, 48% fair, 35% good. Sugarbeets 100% good. Onions 80% good, 20% excellent. Corn for grain 14% fair, 86% good. Processing sweet corn 21% picked, 20% avg. Dry beans 33% fair, 67% good. Grasshopper infestation 6% none, 44% light, 50% moderate.

ILLINOIS: Temperatures near normal across State. Precipitation sporadic; 0.64 to 3.94 in. Heaviest extreme north, southeast.

Days suitable for fieldwork 3.0. Soil moisture 7% short, 69% adequate, 24% surplus. Corn dough stage 85%, 75% 1984, 79% avg.; dented 42%, 21% 1984, 36% avg.; 9% fair, 51% good, 40% excellent. Soybeans blooming 100%, 100% 1984, 98% avg.; setting pods 91%, 83% 1984, 83% avg.; 6% fair, 67% good, 27% excellent. Alfalfa third crop cut 55%, 56% 1984, 48% avg.; 2% poor, 12% fair, 61% good, 25% excellent. Sorghum 9% fair, 72% good, 19% excellent. Pasture 7% poor, 15% fair, 57% good, 21% excellent.

INDIANA: Widespread rainfall, totals generally over 1.00 in. High temperatures 80° north to mid 80's south. Low temperatures low 60's north to upper 60's south.

Fieldwork averaged 3.5 days. Topsoil moisture 3% short, 62% adequate, 35% surplus. Subsoil moisture 20% short, 68% adequate, 12% surplus. Wheat 100% combined, 100% 1984, 100% avg. Corn 3% poor, 20% fair, 64% good, 13% excellent. Corn 85% in dough, 65% 1984, 70% avg.; 20% dented, 5% 1984, 15% avg. Soybeans 2% poor, 11% fair, 75% good, 12% excellent. Soybeans 100% in bloom, 98% 1984, 97% avg.; 75% setting pods, 60% 1984, 70% avg. Wheat land 12% plowed, 15% 1984, 15% avg.

IOWA: Temperature extremes 45° 15th to 87° 17th. Averaging near normal southeast to 50° below normal northwest. Scattered showers provided normal rain south central northeast, to 50% of normal central and north central.

Days suitable for fieldwork 4.9. Topsoil moisture 46% short, 52% adequate, 2% surplus. Subsoil moisture 69% short, 31% adequate. Corn dough stage 58%, 47% 1984, 50% avg.; dented 22%, 11% 1984, 14% avg. Corn 1% very poor, 4% poor, 22% fair, 50% good, 23% excellent. Soybeans blooming 100%, 100% 1984, 98% avg.; setting pods 95%, 89% 1984, 86% avg. Soybeans 5% poor, 17% fair, 59% good, 19% excellent. Third crop alfalfa hay harvested 30%, 19% 1984, 29% avg. Hay 1% very poor, 10% poor, 41% fair, 44% good, 4% excellent. Pastures 7% very poor, 26% poor, 40% fair, 24% good, 3% excellent. Livestock good.

KANSAS: Precipitation locally heavy. Averages ranged from 0.36 to 2.31 in. with most between 0.50 to 1.50 in. Temperatures 1 to 50° below normal, ranging from 71 to 78°.

Days suitable for fieldwork 3.0. Topsoil moisture 5% short, 74% adequate, 21% surplus. Wheat 100% harvested, 100% 1984, 100% avg. Corn 85% dough, 70% 1984, 60% avg. Corn 30% dent, 20% 1984, 20% avg. Corn 5% fair, 11% good, 84%

excellent. Sorghum 60% headed, 60% 1984, 50% avg. Sorghum 3% fair, 8% good, 89% excellent. Soybeans 90% blooming, 85% 1984, 80% avg. Soybeans 70% podding, 65% 1984, 50% avg. Soybeans 1% fair, 8% good, 91% excellent. Range, pasture excellent grazing; livestock maintaining excellent condition. Third cutting alfalfa nearing completion.

KENTUCKY: Warm temperatures, thunderstorms. Rainfall averaged from 1.00 to 1.50 in. Mean temperatures 2 to 3° above normal.

Days suitable for fieldwork 4.4. Soil moisture 22% short, 68% adequate, 10% surplus. Corn 88% dough or beyond, 70% 1984, 73% avg.; 56% dented, 26% 1984, 35% avg. Corn 11% fair, 64% good, 25% excellent. Few grain fields harvested, some silage also. Soybeans 82% blooming, 71% 1984, 73% avg.; 42% setting pods, 30% 1984, 32% avg. Tobacco cutting, housing active. Burley 18% cut, 4% 1984, 7% avg. Dark tobacco 16% cut, 4% 1984. Sorghum mostly good. Hay, pastures fair to mostly good.

LOUISIANA: Temperatures averaged normal to 1° above normal. Temperature extremes 64°; 100°. Rain totals averaged 0.13 to 5.44 in.

Days suitable for fieldwork 3.7. Soil moisture 21% short, 26% adequate, 53% surplus. Hurricane Danny caused lodging of most crops, with rice being the worst affected. Cotton 2% poor, 57% fair, 41% good; 23% open bolls, 1% 1984, 8% avg. Rice 10% poor, 33% fair, 53% good, 4% excellent; 89% headed, 91% 1984, 87% avg. Rice 57% ripe, 51% 1984, 50% avg.; 37% harvested, 41% 1984, 37% avg. Soybeans 8% very poor, 41% fair, 47% good, 4% excellent; 91% blooming, 93% 1984, 87% avg. Soybeans 73% setting pods, 74% 1984, 65% avg.; 1% leaves turning color, 2% 1984, 2% avg. Sorghum 45% fair, 44% good, 11% excellent; 89% turning color, 83% 1984, 77% avg. Sorghum 53% ripe, 42% 1984, 43% avg.; 30% harvested, 20% 1984, 18% avg. Corn fair to good; 98% mature, 88% 1984, 86% avg. Corn 55% harvested, 34% 1984, 38% avg. Sweetpotatoes good; 31% harvested, 11% 1984, 16% avg. Peaches 99% harvested, 100% 1984, 99% avg. Hay final cutting 35% complete, 17% 1984, 13% avg. Sugarcane fair to good; 3% planted, none 1984, 1% avg. Pastures, livestock fair to good; vegetables fair.

MARYLAND & DELAWARE: Maryland: Temperatures 4° above normal; highs upper 90's. Rainfall 0.30 in. average; excluding western counties, precipitation 0.10 in. average. Significant rainfall of 0.30 to 7.50 in. 17th, 18th from remnant of Hurricane Danny.

Fieldwork 5.0 days suitable. Topsoil, subsoil moisture mostly short. Corn good. Corn 99% silked, 95% 1984, 95% avg. Corn 70% dough, 65% 1984, 70% avg. Corn 35% dent, 15% 1984, 30% avg. Soybeans good. Soybeans 75% bloomed, 70% 1984, 70% avg. Soybeans 40% podded, 45% 1984, 40% avg. Tobacco mostly good to fair. Tobacco 95% bloomed, 70% 1984. Tobacco 70% topped. Tobacco 20% harvested, 10% 1984, 25% avg.

Delaware: Temperatures 3° above normal; highs mid 90's. Precipitation scattered, averaging 0.12 in. Significant rainfall of 0.90 to 6.50 in. 17th and 18th from remnant of Hurricane Danny.

Fieldwork 5.0 days suitable. Topsoil, subsoil moisture short. Corn varies, average good. Corn 100% silked, 95% 1984, 98% avg. Corn 90% dough, 75% 1984, 80% avg. Corn 65% dent, 25% 1984, 45% avg. Soybeans good. Soybeans 95% bloomed, 80% 1984, 80% avg. Soybeans 60% podded, 50% 1984, 50% avg.

MICHIGAN: Temperatures averaged 2° above normal Lower Peninsula, 1° below normal Upper Peninsula. Precipitation moderate to heavy. Many

stations reported over 1.00 in.

Days suitable for fieldwork 4.5. Rains interrupted fieldwork. Soil moisture 35% short, 64% adequate, 1% surplus. Corn 50% dough, 40% 1984, 50% avg.; 5% denting, 5% 1984, 5% avg. Corn 5% poor, 20% fair, 55% good, 20% excellent. Soybeans 97% blooming, 95% 1984, 97% avg.; 60% setting pods, 70% 1984, 74% avg. Soybeans 5% poor, 20% fair, 55% good, 20% excellent. Winter wheat 100% harvested, 100% 1984, 99% avg. Winter wheat 5% poor, 20% fair, 45% good, 30% excellent. Oats 70% harvested, 65% 1984, 71% avg. Dry beans 70% setting pods, 60% 1984, 78% avg. Dry beans 10% poor, 27% fair, 48% good, 15% excellent. Fruit, vegetable crops developing normally. Quality, size excellent most crops. Early apple, peach harvest active. Vegetable harvest active.

MINNESOTA: Substantial rainfall most areas, some unseasonably cool days. Temperatures averaged 2 to 8° below normal. Temperature extremes 38°; 86°. Precipitation averaged 0.40 to 1.94 in. above normal. Greatest weekly total 3.84.

Days suitable for fieldwork 3.9. Topsoil moisture 11% short, 75% adequate, 14% surplus. Corn 88% milk, 87% 1984, 86% avg.; 34% dough, 37% 1984, 37% avg.; 3% denting, 5% 1984, 6% avg.; 5% poor, 36% fair, 48% good, 11% excellent. Soybeans 92% setting pods, 91% 1984, 89% avg.; 1% turning yellow, 1% 1984, 2% avg.; 5% poor, 33% fair, 49% good, 13% excellent. Spring wheat 94% turning ripe, 99% 1984, 98% avg.; 30% harvested, 62% 1984, 60% avg.; 1% poor, 21% fair, 65% good, 13% excellent. Oats 79% harvested, 86% 1984, 84% avg. Barley 61% harvested, 86% 1984, 84% avg. Sunflowers 83% blooming, 88% 1984, 90% avg.; 8% dropping petals, 15% 1984, 22% avg.

MISSISSIPPI: Hurricane Danny brought rainfall to State late week. Temperatures averaged near normal. Extremes 65°; 97°. Greatest 24-hour rainfall 4.85 in. McComb.

Fieldwork 4.0 days suitable, 3.8 1984, 4.9 avg. Soil moisture 2% short, 59% adequate, 39% surplus. Cotton 15% open bolls, 3% 1984, 7% avg.; 14% fair, 75% good, 11% excellent. Soybeans 94% blooming, 84% 1984, 87% avg.; 48% podding, 42% 1984, 49% avg.; 16% fair, 84% good. Rice 97% heading, 69% 1984, 72% avg.; none harvested, none 1984, none avg.; 100% good. Grain sorghum 98% heading, 91% 1984; 27% ripe; 4% harvested; 19% fair, 81% good. Corn 77% mature, 37% 1984, 50% avg.; 17% harvested, 10% 1984; 6% poor, 19% fair, 69% good, 6% excellent. Sweetpotatoes 3% harvested, 8% 1984, 7% avg. Peanuts 21% harvested, 12% 1984. Watermelons 80% harvested, 75% 1984. Corn silage 54% harvested, 46% 1984. Sorghum silage 41% harvested, 33% 1984. Hay 71% harvested, 69% 1984, 75% avg. Pasture 27% fair, 70% good, 3% excellent.

MISSOURI: Cool temperatures with scattered thunderstorms dictated weather patterns. Rainfall 2.00 in. except eastern Ozark 0.50 in.

Days suitable for fieldwork 2.8. Topsoil moisture 21% short, 52% adequate, 27% surplus. Corn 3% poor, 14% fair, 60% good, 23% excellent; dough 93%, 78% 1984, 77% avg.; dent 67%, 45% 1984, 45% avg. Soybeans 3% poor, 15% fair, 61% good, 21% excellent; blooming 93%, 84% 1984, 81% avg.; setting pods 75%, 58% 1984, 55% avg. Grain sorghum 4% poor, 23% fair, 60% good, 13% excellent; heading 85%, 85% 1984, 77% avg. Cotton 36% fair, 64% good; setting bolls 100%, 100% 1984, 96% avg.; bolls open 5%, 3% 1984, 5% avg. Third alfalfa 68% cut. Pasture 15% poor, 33% fair, 40% good, 12% excellent.

MONTANA: Beneficial rain first of week, again near end of week over most of State. Southeast received least rain 0.10 to 0.50 in. Heaviest

rains over north central, central areas 1.25 to 3.50 in. Other areas received from 0.50 to 1.50 in. Temperatures very cool, ranges from 9 to 130 below normal. Freezing temperatures over much of southwest late in week, also scattered areas elsewhere. Record minimum temperatures in many areas on 17th.

Days suitable for fieldwork 2.9. Topsoil moisture 34% short, 65% adequate, 1% surplus. Subsoil moisture 95% short, 5% adequate. Crop progress winter wheat ripe but not harvested 20%, 10% 1984, 30% avg.; harvested for grain 80%, 90% 1984, 65% avg. Spring wheat turning color 10%, 10% 1984, 30% avg.; ripe but not harvested 35%, 35% 1984, 30% avg.; harvested for grain 55%, 55% 1984, 35% avg. Barley turning color 10%, 10% 1984, 25% avg.; ripe but not harvested 40%, 30% 1984, 35% avg.; harvested for grain 50% 60% 1984, 35% avg. Oats turning color 15%, 15% 1984, 25% avg.; ripe but not harvested 35%, 30% 1984, 30% avg.; harvested 50%, 55% 1984, 40% avg. Date winter wheat seeding expected to start September 5, September 7 1984, September 6, avg. Alfalfa hay second cutting 70%, 55% 1985, 50% avg. Livestock moved from summer ranges; cattle and calves 30%, sheep and lambs 30%. Grazing prospects on late summer ranges 68% poor, 32% fair.

NEBRASKA: Temperatures averaged 70 below normal. Rainfall averaged less than 0.10 in. Panhandle, 1.00 in. or more remainder of State.

Days suitable for fieldwork 4.9. Topsoil moisture 9% short, 86% adequate, 5% surplus. Subsoil moisture 23% short, 75% adequate, 2% surplus. Winter wheat harvest 100%, 100% 1984, 100% avg. All corn 1% poor, 6% fair, 64% good, 29% excellent; irrigated corn 69% good, 31% excellent; non-irrigated corn 2% poor, 19% fair, 54% good, 25% excellent. Corn dough 70%, 70% 1984, 60% avg.; dent 15%, 10% 1984, 10% avg. Soybeans 1% fair, 79% good, 20% excellent. Soybeans blooming 100%, 98% 1984, 97% avg.; setting pods 90%, 70% 1984, 70% avg. Sorghum 3% fair, 79% good, 18% excellent. Sorghum headed 85%, 75% 1984, 80% avg. Alfalfa 42% fair, 55% good, 3% excellent. Alfalfa 3rd cutting 40%, 20% 1984, 40% avg. Pasture, range 79% adequate, 21% short.

NEVADA: Week started very dry. Cool northwesterly wind flow kept temperatures well below seasonal normals early in period. Scattered areas of frost recorded on 12th. Temperatures recovered gradually remainder of week but weekly averages slightly below normal northern areas. Weekly precipitation sparse, resulted mostly from isolated mountain thunderstorms. Increased clouds, thunderstorm activity north and central areas late in period produced only trace of light amounts precipitation.

Garlic harvest about finished. Growers working on remaining acres of hay, small grains.

NEW ENGLAND: Precipitation between 0.50 and 1.00 in. over Vermont, New Hampshire; central and western Massachusetts and central Connecticut, Maine between 0.25 and 0.50 in. Precipitation sparse over south coastal areas. Average temperatures above normal over northern areas upper 60's. Southern area temperatures above normal, in low to mid 70's.

Days suitable for fieldwork 6.5. Soil moisture 65% short, 35% adequate. Field corn 60% good, 40% excellent. Some leaf curl from lack of moisture Vermont. Sweet corn 50% harvested, 40% 1984, 45% avg.; 55% good, 45% excellent. Maine wild blueberries 45% raked. Early apple, peach harvest underway. Early potato variety digging underway Maine. Rhode Island potatoes 10 to 40% dug; good to excellent condition.

NEW JERSEY: Temperatures averaged 30 above normal. Extremes 440; 970. Weekly rainfall average 0.19 in. north, 0.54 in. central, 0.63 in. south. Heaviest 24-hour total, 1.67 in. on 13th, 14th. Estimated soil moisture, in percent of field capacity, averaged 68% north, 64% central, 55% south. Four inch soil temperatures averaged 720 north, 750 central, 760 south.

Harvest of summer vegetables declining. Fall vegetables beginning to make good growth. Irish potato harvest being slowed by poor market conditions. Peach harvest continued with picking of late season varieties beginning. Third cutting of hay well advanced. Field corn, soybean prospects continued good but some fields could use a good rain following the hot, windy weather. Pastures need rain.

NEW MEXICO: Average temperatures near or few degrees below normal statewide. Temperatures 320, northern mountains to 980, northeastern Plains. Rain meager over mountains, about 0.50 in. over west, almost 5.00 in. over northeastern Plains. Precipitation none to 4.78 in., northeastern Plains.

Days suitable for fieldwork 6.1. Soil moisture 29% short, 53% adequate, 18% surplus. Hail damage 82% none, 18% light. Alfalfa 43% fair, 57% good. Cotton 100% good; 100% setting bolls, 100% 1984, 99% avg.; none open bolls, 10% 1984, 7% avg. Corn 80% good, 20% excellent. Irrigated, dry wheat planting in progress. Irrigated grain sorghum 50% good, 50% excellent. Dry grain sorghum 67% good, 33% excellent. Pecans 100% good. Apples 67% fair, 33% good. Chile 100% good. Lettuce planting in progress. Onions 75% good, 25% excellent. Cattle 93% good, 7% excellent. Sheep 8% fair, 84% good, 8% excellent. Range 46% fair, 54% good.

NEW YORK: Temperatures seasonable at beginning and end of week, middle of week warm and humid. Temperatures in upper 80's and low 90's on 14th, 15th. Precipitation well below average throughout most of State. Some reports of above average precipitation confined to small areas where thunderstorms hit.

Days suitable for fieldwork 6.0. Soil moisture short. Lack of rain affected corn pollination. Oat harvest 63% complete, 33% 1984, 51% avg. Winter wheat harvest virtually complete. Second cutting alfalfa hay harvest 78% complete, 74% 1984, 76% avg. Third cutting alfalfa hay harvest 9% complete, 9% 1984, 12% avg. Regrowth poor from lack of rain. Harvest of sweet corn, snap beans from processing underway. Grape condition good. Jersey mac, McIntosh, Tydeman, Paulared apple harvest started. Pasture fair.

NORTH CAROLINA: Temperatures ranged 1 to 30 above normal, except near normal over mountains. Rainfall ranged from none to 7.00 in. across State.

Days suitable for fieldwork 6.2. Soil moisture 2% very short, 31% short, 67% adequate. Tobacco 12% fair, 82% good, 6% excellent; harvested 32%, 47% 1984, 55% avg. Corn 10% poor, 30% fair, 58% good, 2% excellent; silked 100%, 100% 1984, 100% avg.; soft dough 97%, 82% 1984, 88% avg.; dent 80%, 69% 1984, 79% avg.; mature 56%, 30% 1984, 45% avg. Cotton 14% fair, 82% good, 4% excellent; squared 100%, 100% 1984, 100% avg.; bloomed 95%, 90% 1984, 92% avg. Peanuts 15% fair, 80% good, 5% excellent. Soybeans 16% fair, 80% good, 4% excellent; flowered 67%, 77% 1984, 73% avg.; pod set 31%, 40% 1984, 41% avg. Hay 34% fair, 65% good, 1% excellent. Sweetpotatoes 3% fair, 97% good. Apples 23% poor, 23% fair, 54% good. Pasture 45% fair, 54% good, 1% excellent. Major farm activities: Topping, suckering and harvesting tobacco; cutting silage; spraying soybeans, peanuts, cotton; harvesting vegetables;

scouting for weed and insect control; harvesting hay; spraying apples; shearing Christmas trees; preparing fall hay ground; some corn harvest; general farm maintenance.

NORTH DAKOTA: Cool, wet week. Precipitation varied from 0.40 in. southwest to 2.50 in. northeast. Temperatures ranged from 87° central to 37° west central, northeast. Weekly divisional temperature averages ranged from 6° below normal southeast to 10° below normal north central.

Heavy showers at weeks' end pushed topsoil and subsoil moisture supplies to better than normal. Topsoil supplies statewide at 30% short or very short, 59% adequate, 11% surplus. Subsoil moisture 48% short or very short, 52% adequate. Barley, winter wheat, oat harvest slightly behind average; hard red spring, durum wheat well behind normal. Barley 65% combined, 79% 1984, 68% avg.; spring wheat 34% combined, 52% 1984, 46% avg.; durum 18% combined, 36% 1984, 31% avg. Late season crops welcomed moisture, but development slowed by cool weather. Sunflower 77% bloom or beyond, 89% 1984, 85% avg. Corn for grain 3% denting to dented, 12% 1984, 16% avg. Soybeans 7% lower leaves yellowing, 21% 1984, 14% avg. Late season crops in mostly good condition. Sunflower 7% poor, 31% fair, 62% good. Corn for grain 13% poor, 31% fair, 56% good.

OHIO: Temperatures averaged 2 to 3° above normal west, 4 to 5° above normal east. Extremes upper 40's to lower 90's. Rain fall variable, most near or above normal. Totals 1.00 to 3.00 in. north, less than 1.00 in. south.

Days suitable for fieldwork 5.0. Topsoil moisture 30% short, 63% adequate, 7% surplus. Corn 5% fair, 65% good, 30% excellent; silking 100%, 95% 1984, 98% avg.; dough 100%, 55% 1984, 60% avg.; dent 40%, 10% 1984, 15% avg.; mature 5%, none 1984, none avg. Soybeans 9% fair, 75% good, 16% excellent; blooming 100%, 99% 1984, 95% avg.; setting pods 100%, 75% 1984, 75% avg.; pods set 45%, 20% 1984, 30% avg.; turning yellow 5%, none 1984, none avg. Row crops benefitted by recent rains. Oats harvested 98%, 75% 1984, 90% avg. All hay good; alfalfa 3rd cut 45%, 30% 1984, 25% avg. Other hay 2nd cut 85%, 70% 1984, 80% avg.; 3rd cut 20%, 20% 1984, 25% avg. Pasture fair to good. Livestock stressed by hot humid conditions.

OKLAHOMA: Temperature averaged 3° below normal west central to 3° above normal southeast. Precipitation averaged 0.54 in. southeast to 2.25 in. north central.

Days suitable for fieldwork 5.1. Topsoil moisture 40% short, 55% adequate, 5% surplus. Subsoil moisture 20% short, 80% adequate. Southeast experiencing stress problems. Wheat 100% harvested, 100% 1984, 100% avg. Many producers will seed 1986 crop early September. Sorghum 13% fair, 85% good, 2% excellent. Sorghum 85% heading, 85% 1984, 70% avg., northwest producers spraying insects. Cotton 15% fair, 85% good. Cotton 85% setting bolls, 70% 1984, 65% avg. Cotton none open bolls, none 1984, none avg. Rain enhanced pasture growth. Surplus forage reported some northern counties. Cattle marketing, prices increase.

OREGON: Temperatures normal along coast, 3 to 6° above normal Willamette Valley, 2 to 5° below normal east of Cascades. Coastal areas, each received light rains; heaviest amount at Enterprise 0.13 in.

Soil moisture 74% short, 26% adequate. Winter wheat 47% fair, 53% good; 88% harvested, 76% 1984, 82% avg.; yields average to slightly below avg. Barley 82% harvested. Spring grain poorer than fall crops. Bentgrass seed, sugarbeet seed

harvested Willamette Valley. Red clover fields in bloom. Mint harvest, third alfalfa cut. Field burning progress slow, some annual ryegrass seeded. In east, spring grains, mint, alfalfa seed harvested; second hay cut. Bartlett pear harvest started at Medford and Hood River; Medford crop good; Hood River crop mixed size and quality, some fruit marking from April freezes. Outstanding peach harvest Willamette Valley, also harvesting in Grant County. Late Italian prune harvest at Milton-Freewater; good prunes set in west. Apples sizing, coloring very well at Milton-Freewater. Cranberries coloring, sizing ahead of normal, irrigation, fertilizing continued. Blackberry harvest continued. Russet Burbank potato harvest continued. Hermiston-Boardman; Malheur County Norgolds and Russet harvested; potatoes look very good in Klamath area. Onions harvested Malheur, Jackson Counties, Milton-Freewater. Garlic seed harvested in central region. Early sweet corn picked Willamette Valley; Malheur County crops half harvested, yields down. Broccoli, snap beans, cucumbers harvests continued. Livestock good condition. Range, pasture poor to fair, both high and low elevation ranges continue to dry out.

PENNSYLVANIA: Temperatures averaged 72°, 30° above normal. Rainfall 0.06 in., 0.23 in. below normal. Highest temperature 96° at Reading on 16th, lowest 45° at Philipsburg on 12th. Average temperatures 72°; 30° above normal.

Days suitable for fieldwork 5.0. Soil moisture 32% short, 68% adequate. Corn 3% poor, 12% fair, 36% good, 49% excellent. Soybean 6% poor, 13% fair, 48% good, 33% excellent. Oats 82% harvested, 56% 1984. Potatoes 33% harvested, 12% 1984. Corn 46% dough, 31% 1984; 6% in dent, 5% 1984. Second crop alfalfa 93% harvested, 82% 1984. Third crop alfalfa 56% harvested, 30% 1984. Second cutting clo-tim 73% complete, 64% 1984. Quality of hay 12% poor, 26% fair, 62% good. Amount of feed being obtained from pastures 8% below avg.; 84% avg.; 8% above avg. Apples 15% harvested; peaches 69% harvested. Activities included combining oats; harvesting hay, potatoes, apples, peaches, sweet corn, cabbage, snap beans, tomatoes, melons; spraying and seeding alfalfa; fall plowing; harvesting corn for silage.

PUERTO RICO: Island average rainfall 1.31 in., or 0.29 in. below normal. Highest weekly total 3.60 in. Highest 24-hour total 2.90 in. Temperature averaged about 82 to 83° on coasts and 77 to 80° interior division. Mean station temperature ranged from 69 to 83°. Extreme 62 to 94°. Total rainfall 1.42 in., plus 0.09 in.

SOUTH CAROLINA: Temperature near to slightly above normal. Hot, humid weather early week, medium to heavy rains in northwest late week. Rainfall over rest of State light. Thunderstorms, tornado occurred in northwest late week, along with flash flooding.

Days suitable for field activities 5.4. Soil moisture 5% very short, 34% short, 59% adequate, 2% surplus. Soybeans 21% fair, 76% good, 3% excellent. Soybeans blooming 81%, 76% 1984, 77% avg.; 40% setting pods, 36% 1984, 40% avg. Cotton 3% fair, 96% good, 1% excellent. Cotton setting bolls 100%, 100% 1984, 100% avg.; 13% open bolls, none 1984, 13% avg. Tobacco good; 63% harvested, 80% 1984, 73% avg.; 5% stalks destroyed. Apples fair to good; 13% harvested, 9% 1984, 9% avg. Pastures, hay fair to good.

SOUTH DAKOTA: Average temperatures 6 to 10° below normal. Extremes 34; 95°. Low 29° Black Hills. Rainfall widespread, greatly varied; 1.00 to 3.50 in. east, 0.05 to 0.35 in. west.

Days suitable for fieldwork 4.2. Topsoil moisture critically short west, short central,

adequate east; 13% critically short, 26% short, 56% adequate, 5% surplus. Corn 3% very poor, 3% poor, 10% fair, 59% good, 25% excellent. Corn 40% dough, 30% 1984, 40% avg. Corn 7% dented, 6% 1984, 9% avg. Winter wheat 100% harvested, 100% 1984, 100% avg. Spring wheat 86% harvested, 80% 1984, 86% avg. Sorghum 8% poor, 14% fair, 58% good, 20% excellent. Sorghum 64% headed, 62% 1984, 72% avg. Soybeans 3% fair, 59% good, 38% excellent. Soybeans 93% blooming, 79% 1984, 95% avg. Soybeans 75% podded, 60% 1984, 80% avg. Range, pastures poor west and north central, fair central and south central, good east. Livestock good east and north, fair west central and southwest. Feed, stockwater adequate east, short central and west.

TENNESSEE: Rain 15th, 16th west; 16th, 17th east. Amounts of 0.50 to 1.00 in. common. Temperatures near normal east and west; slightly above normal middle.

Farmers averaged 5.0 days suitable for fieldwork. Soil moisture levels 24% short, 62% adequate, 14% surplus. Crops benefit from weekend shower activity; rated in good condition. Corn 92% dough, 85% 1984, 85% avg.; 60% dent, 40% 1984, 50% avg.; 17% mature, 4% 1984, 9% avg.; 17% fair, 52% good, 31% excellent. Cotton 100% setting bolls, 92% 1984, 90% avg.; 6% open bolls, 3% 1984, 5% avg.; 6% fair, 65% good, 29% excellent. Sorghum 91% headed; 50% colored; 9% fair, 70% good, 21% excellent. Soybeans 85% blooming, 85% 1984, 85% avg.; 55% setting pods, 35% 1984, 40% avg.; 4% poor, 14% fair, 75% good, 7% excellent. Tobacco 80% topped; 28% fair, 63% good, 9% excellent. Burley 20% harvested, 10% 1984, 15% avg.; dark-fired 20% harvested, 10% 1984, 15% avg.; Dark-air cured 10% harvested, 10% 1984, 15% avg. Pasture 5% poor, 44% fair, 48% good, 3% excellent.

TEXAS: Cool front lingered west, north almost all week. Front triggered scattered, sometimes heavy thunderstorms High, Rolling Plains. Weak upper level low produced scattered thunderstorms southeastern counties through midweek. Effects Hurricane Danny minimal, restricted to wind, thunderstorms extremes southeast. Residual moisture from Danny trigger scattered thunderstorms southeast, south central counties 16th. High pressure upper levels over south choking off rain chances, boosting temperatures. Rainfall above normal southern Rolling Plains, below normal over much Blacklands, South. Temperatures near normal southern half State, above normal Blacklands, below normal High, Low Plains.

Crops: Grain sorghum 89% headed, 83% 1984, 88% avg.; 73% turning color, 66% 1984, 68% avg.; 56% mature, 59% 1984, 61% avg.; 52% harvested for grain, 56% 1984, 58% avg. Condition 88% of normal, 66% 1984. Sorghum 1% poor, 15% fair, 66% good, 18% excellent. Harvest virtually completed Rio Grande Valley northward to Central State. Harvest good progress east, Blacklands, Low Plains. Yields fair to excellent these areas. Treatment greenbugs continued High Plains. Dryland fields could use good rain. Irrigation active other fields. Corn 100% silked; 88% doughing; 67% dented; 55% mature; 18% harvested, 46% 1984, 34% avg. Conditions 88% of normal 67% 1984. Corn 20% fair, 62% good, 18% excellent. Harvest virtually complete as far north as southern Blacklands. Other areas Blacklands, harvest activities winding down. Fields High Plains past dent stage. Dryland fields suffering slightly from dry weather. Final irrigation continuing other fields. Harvest could start about two weeks High Plains. Cotton 100% squaring, 98% 1984, 99% avg.; 88% setting bolls, 89% 1984, 88% avg.; 11% open bolls, 11% 1984, 13%

avg.; 9% harvested, 7% 1984, 6% avg. Condition 81% of normal, 73% 1984. Cotton 37% fair, 51% good, 12% excellent. Fields good progress most areas. Harvesting continued Valley, Coastal Bend, excellent yields reported. Some early fields harvested east. Some defoliating scattered areas Blacklands. Bollworms continued problems Plains. Considerable spraying. Dryland fields could use rain. Most fields loaded with bolls. Rice 86% headed, 100% 1984, 100% avg.; 61% turning color, 94% 1984, 98% avg.; 30% harvested, 68% 1984, 76% avg. Condition 91% of normal. Rice 14% fair, 62% good, 24% excellent. Harvesting continued Upper Coast, good yields, quality. Peanuts 1% harvested, none 1984, 2% avg. Crop looks good across most State. Irrigation continued steady some areas. Most dryland fields could use good rain. Leafspot scattered fields. Soybeans making rapid progress. Fields Plains pod-fill stage. Early fields harvest along Upper Coast. Later fields making good growth.

Commercial Vegetables: Rio Grande Valley, tomatoes, peppers good progress under heavy irrigation. Land preparation other fall vegetables continued. San Antonio-Winter Garden, transplanting tomatoes, peppers underway. Land preparation fall vegetable planting continued. East, harvest most vegetable over, exception scattered fields. High Plains, harvest cabbage, cucumbers, onions, potatoes continued. Trans-Pecos, cantaloup harvest slowed down. Harvest chilies pick up soon. Pecan continued good development across State. Some nut drop reported because lack of rainfall. Spraying aphids, shuckworms continued. Rain scattered areas Low Plains improved conditions.

Range and Livestock: Range, pastures continued drying out under hot temperatures. Condition holding steady; condition beginning to decline many areas. Hay cutting slowed, yields reduced by recent dry weather. Livestock conditions good. Marketing picked up slightly. Shearing sheep, goats continued.

UTAH: No measurable precipitation, five stations recorded trace. All divisions below normal temperature, averaging from 1 to 70 below.

Sunny harvest weather 6.8 days suitable fieldwork. Topsoil moisture generally short. Winter wheat 81% harvested, 82% 1984, 76% avg. Barley harvest 72% complete, 63% avg. Spring wheat 54% harvested, 35% avg. Oat 51% harvested, 33% avg. Corn 88% tasseled, 45% in dough. Second crop alfalfa 93% complete. Early fruit harvest continued, conditions good. Range dry, livestock in good shape.

VIRGINIA: Warm, humid, dry until late in period. Temperatures averaged 3 to 40 above normal. Widespread rains, thunderstorms over latter part of period. Average precipitation 0.33 in. with parts of central State receiving in excess of 4.00 in. Heavy rains 17th, 18th.

Days suitable for fieldwork 5.9. Topsoil moisture 61% short, 31% avg. Crop stressed by dry weather at beginning of week, alleviated by rain over weekend. Corn good. Corn 68% dough stage, 76% 1984, 78% avg. Corn 47% dent stage, 47% 1984, 56% avg. Corn 14% mature, 16% 1984, 23% avg. Corn grain harvest just beginning. Some corn for silage being harvested. Soybeans good; 76% in bloom or past, 66% 1984. Setting pods 50%, 48% 1984. Tobacco good to excellent with continued topping and sucker control. Flue-cured 20% harvested, 27% 1984, 34% avg. Fire-cured 24% complete, 28% 1984, 32% avg. Burley tobacco 3% harvested, less than 1% 1984, 8% avg. Sun-cured 12% complete, 8% 1984, 20% avg. Apples fair, harvest about 8% complete. Hay, pasture fair. Rain over weekend should improve crops. Livestock good. Peanuts good, crop being sprayed for leafspot and aclerolinia blight.

WASHINGTON: Warm, dry air dominated, little significant precipitation. Temperatures low 90's statewide.

Days suitable for fieldwork 6.4. Soil moisture 54% poor, 38% fair, 8% adequate. Winter wheat combined 80%, 70% 1984, 76% avg.; spring wheat 68%, 40% 1984, 56% avg. Barley 78%, 64% 1984, 60% avg. Pear, blueberry harvest continued. Apples sizing well. Hay, feed supplies 23% short, 77% adequate. Range, pasture 85% short, 15% adequate. Vegetable harvest in full swing.

WEST VIRGINIA: Temperatures 2 to 60 above normal. Low 52° at Creston, high 98° at Wheeling. Weekly average 74°. Precipitation 0.10 to 0.40 in. below normal, except north central, southern division above normal. Most rainfall 2.52 in. Blue field, least Creston 0.14 in. Weekly average 0.89 in.

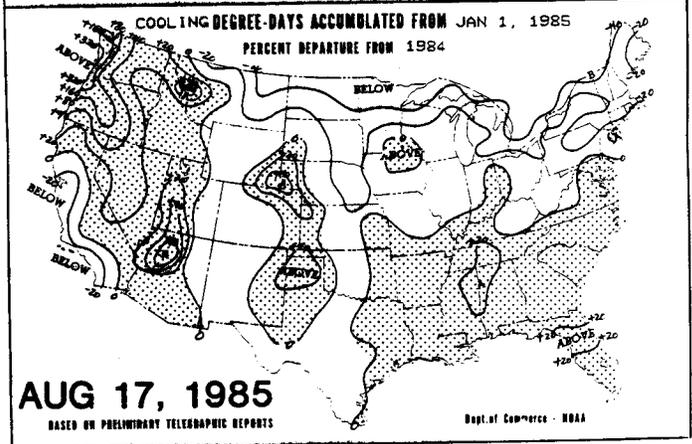
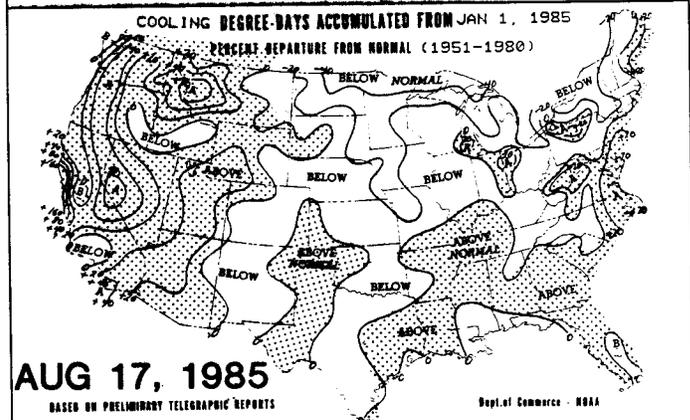
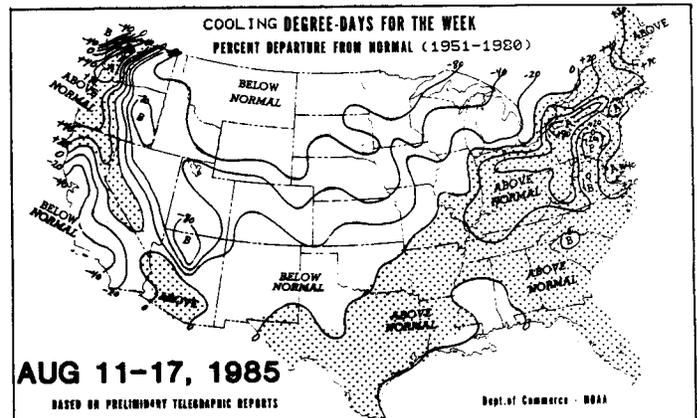
Days worked 4.6. Soil moisture short to adequate. Harvesting hay, clipping pasture, general maintenance.

WISCONSIN: Average temperatures 4° below normal to normal. Precipitation 1.50 to 2.20 in. north, 1.50 to 1.80 in. central, 1.00 to 1.80 in. south. Severe thunderstorms, tornadoes on 12th central, southeast 17th.

Days suitable for fieldwork 5.2. Soil moisture 24% short, 73% adequate, 3% surplus. General crop condition, 2% very poor, 5% poor, 39% fair, 51% good, 3% excellent. Corn 2% very poor, 3% poor, 40% fair, 40% good, 15% excellent; silked 90%, 92% 1984, 93% avg.; dough 42%, 35% 1984, 42% avg.; dent 8%, 6% 1984, 8% avg. Second cutting of hay 88% complete, 79% 1984, 79% avg. Third cutting of hay 17% complete, 4% 1984, 8% avg. Winter wheat 95% harvested, 89% 1984, 90% avg. Oats 78% harvested, 69% 1984, 72% avg. Commercial snap beans, sweet corn, cucumbers harvest full swing. Beets, carrots for processing started harvest. Pasture 69% of normal, 78% 1984, 77% avg.

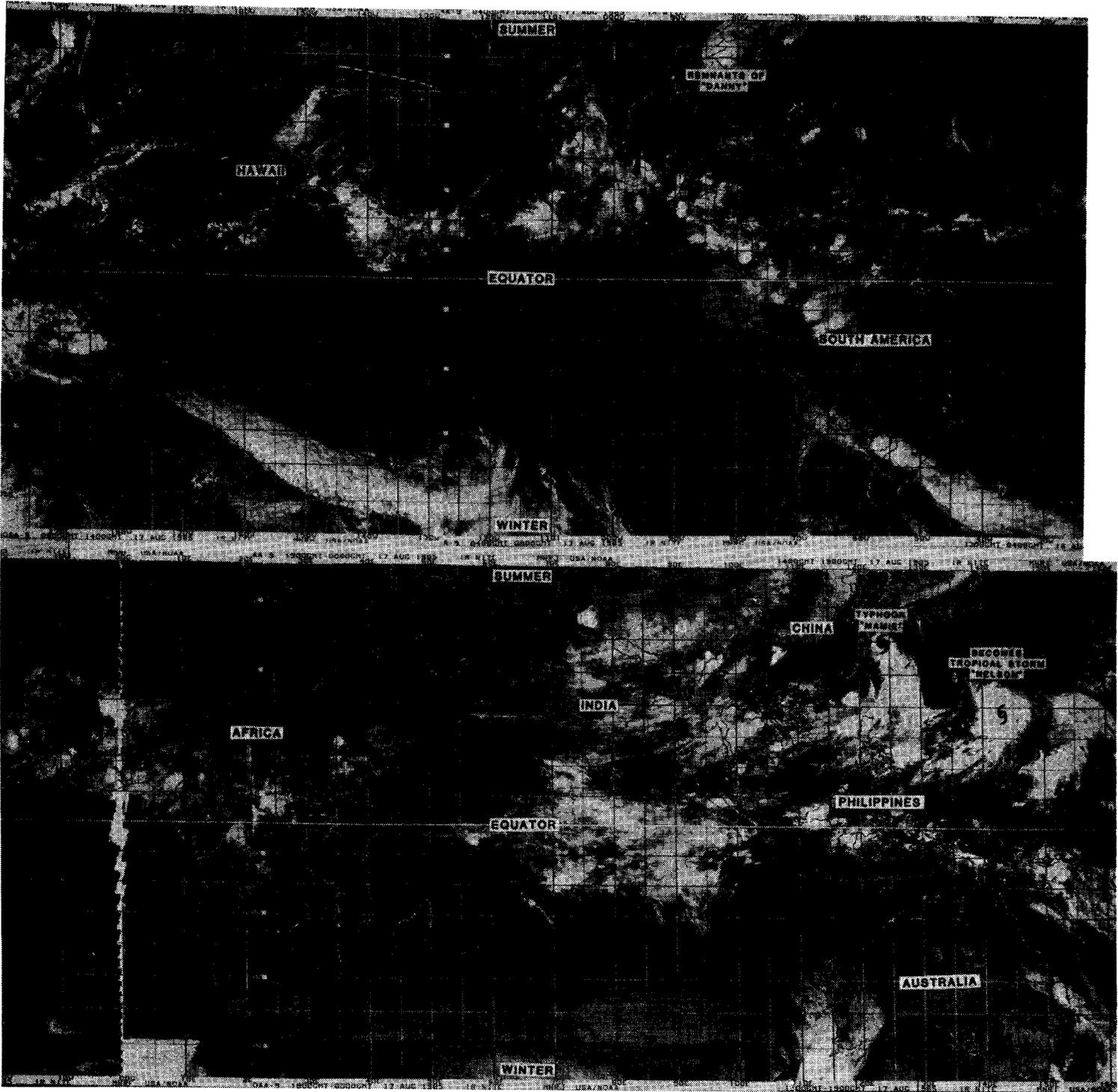
WYOMING: Temperatures below normal. Big Horn drainage above normal precipitation, elsewhere below normal.

Days suitable for fieldwork 7.0. Topsoil moisture 94% short, 6% adequate. Winter wheat 95% harvested, 90% 1984, 90% avg. Barley 35% mature, 40% 1984; 55% harvested, 35% 1984, 40% avg. Spring wheat 25% mature, 40% 1984, 50% avg.; 60% harvested, 35% 1984, 35% avg. Oats 35% mature, 45% 1984; 30% harvested, 20% 1984, 25% avg. Corn 50% tasseled, 90% 1984; 45% silked, 75% 1984; 20% milk, 80% 1984. Dry bean prospects 50% fair, 35% good, 15% excellent. Dry beans 90% setting pods, 95% 1984, 70% avg.; 5% turning color, 15% 1984. Potato prospects 15% poor, 50% fair, 35% good. Second alfalfa cut 60% compete, 55% 1984, 45% avg. Other hay 80% harvested, 70% 1984; 75% avg. Winter cattle inventories expected to be 80% of 1984; sheep inventories 90%. Hay stored 50% below avg., 20% 1984; 40% avg., 70% 1984, 10% above avg., 10% 1984. Range, pasture 55% poor, 30% fair, 15% good.



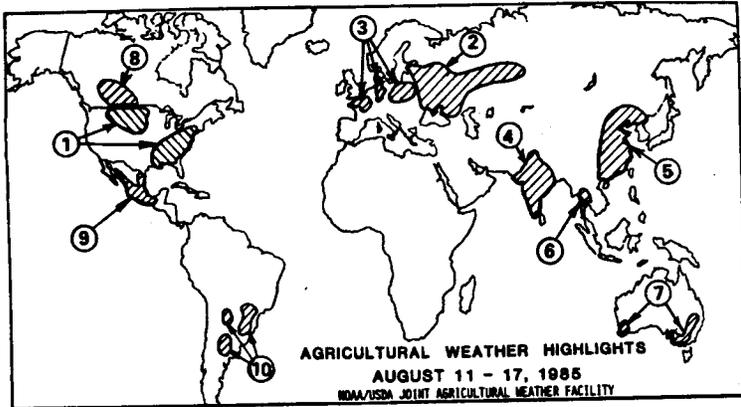
GLOBAL WEATHER SATELLITE PHOTO

AUGUST 17, 1985



International Weather and Crop Summary

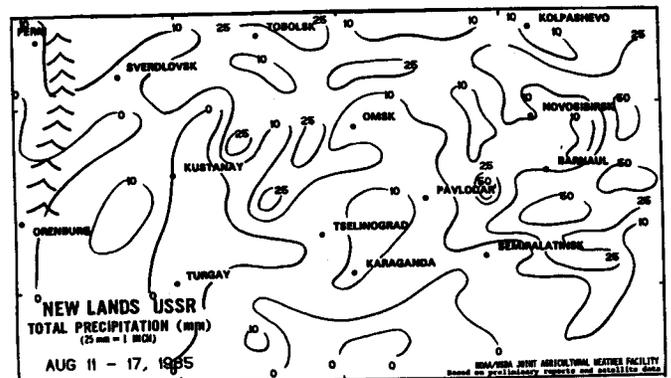
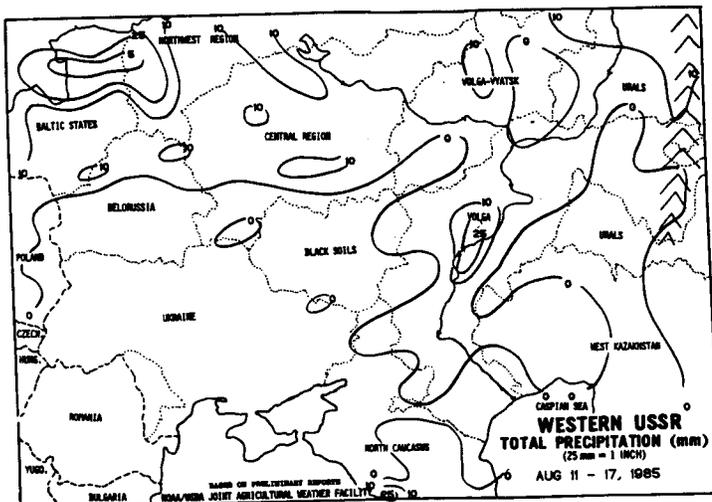
August 11 - 17, 1985

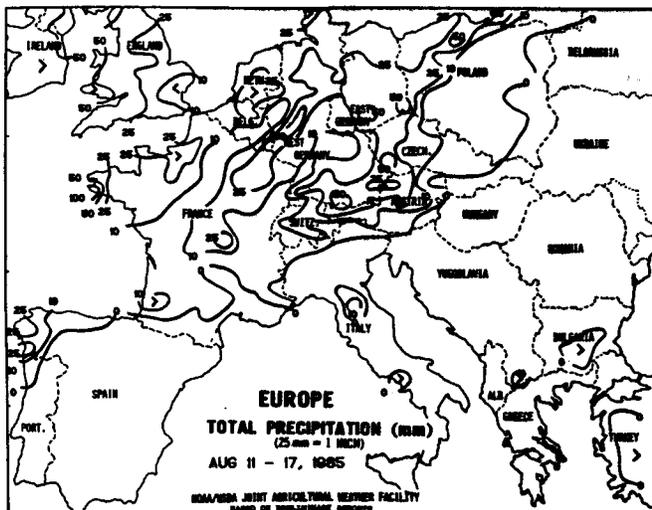


HIGHLIGHTS

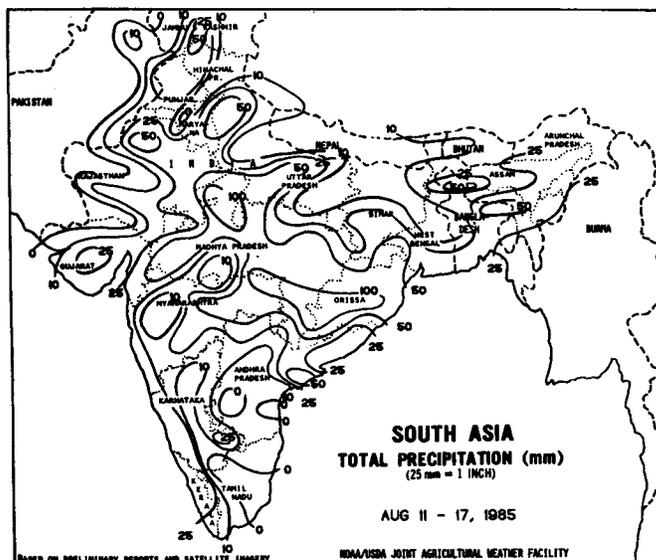
1. **UNITED STATES** ...Hurricane Danny brings beneficial rain to crops and breaks the heat wave from Louisiana to Virginia. However, it causes minor lodging and flooding. Cool weather slows crop development in the northern Plains.
2. **USSR** ... In Western USSR, unseasonably warm, dry weather helps harvesting but reduces yield prospects for corn in the south. In the New Lands, warm, dry weather in the south and west benefits spring wheat harvesting.
3. **EUROPE** ... Favorable harvest weather continues in northern France. Showers in West Germany cause further harvest delays. Dry weather relieves persistent wetness in Poland and Czechoslovakia.
4. **SOUTH ASIA** ... Moisture is adequate for rice while some cotton and groundnut areas are unfavorably dry.
5. **EASTERN ASIA** ... Tropical Storm Lee floods rice and corn in the northeast. Dry weather is unfavorable for the North China Plain's summer crops.
6. **SOUTHEAST ASIA** ... Generally favorable monsoon rains continue over the region.
7. **AUSTRALIA** ... Rain favors wheat in the southeast again this week. Light rain covers western wheat.
8. **CANADA** ... Locally heavy rain causes some crop lodging and delays the early harvest in the east. Showers help late maturing crops in the west. Unseasonably cool weather covers the Prairies grain belt.
9. **MEXICO** ... Rain benefits southern Plateau corn belt crops and increases west coast reservoir levels.
10. **SOUTH AMERICA** ... Mostly dry weather favors wheat planting in Argentina. Rain slackens in southern Brazil, but the long dry spell continues from northern Parana into Brazil's coffee areas.

USSR...Mostly dry weather covered Western USSR, aiding the small grains harvest. However, corn areas in the southeast, which historically account for about 40 percent of the total corn production, have received below-normal precipitation for the past 4 to 6 weeks. In recent weeks, the dry weather in these areas has been accompanied by unseasonably hot weather which has reduced yield prospects for corn, currently in the filling stage. Temperatures this past week over the region were 2-4C above normal. In the north, maximum temperatures climbed to around 30C by week end, while, in the south, daytime highs remained around 30C. Winter grain planting was underway in the north, while fieldwork in preparation for sowing was active in major wheat producing areas in the south. In the New Lands, generally dry weather in western and southern spring wheat areas aided harvesting. Reports indicated that as of August 12, small grains and pulses, excluding corn, were about 40 percent harvested. Weekly temperatures in the west were 2-4C above normal. In the east, temperatures were 2-4C below normal, slowing crop development. Spring wheat in the north and east was likely in the late filling stage.

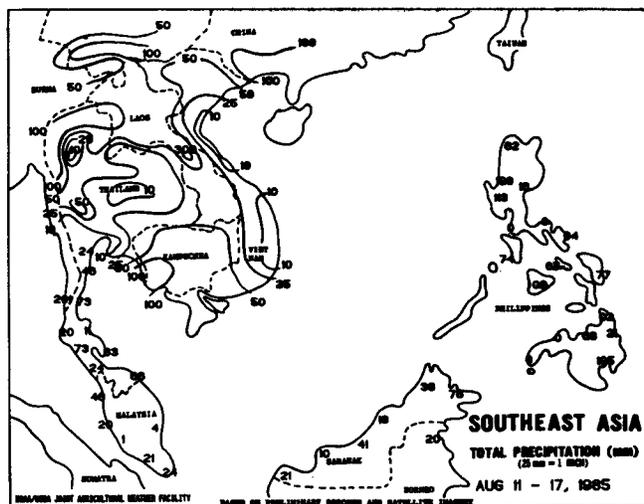




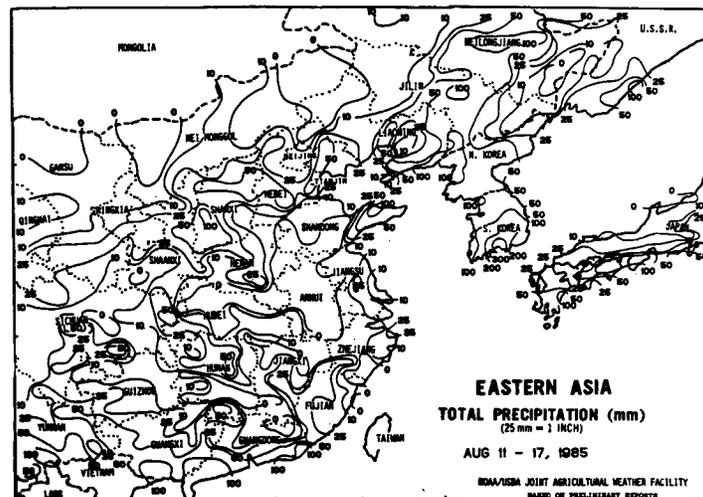
EUROPE... Showers persisted in West Germany's crop areas, causing further delays in harvesting. Drier weather in eastern England favored harvesting. In northern France, dry weather during most days continued a favorable pattern which has existed so far this harvest season. Further east, mostly dry weather relieved persistent wetness in Poland and Czechoslovakia, favoring grain maturation and aiding harvesting. Dry weather persisted over crop areas in southern Romania, Bulgaria, and parts of eastern Yugoslavia. Mediterranean crop areas were seasonably dry.



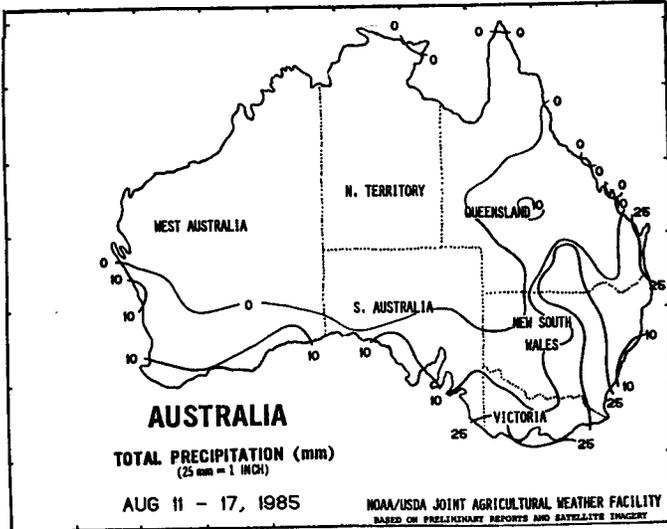
SOUTH ASIA... Beneficial monsoon rain spread over the northern rice region. Moderate to heavy rain (25-100mm) in eastern Madhya Pradesh, Orissa, and southern Bihar was especially favorable for rainfed autumn rice in the heading stage. Relatively dry weather covered West Bengal and northern Bihar, but moisture was adequate for winter rice in the vegetative stage. Moisture was adequate for rice along the western coast, but some flooding likely occurred in southern Maharashtra where over 250mm of rain fell. Dry weather in the south was unfavorable for early planted cotton and groundnuts entering the flowering stage. In Pakistan, light showers fell in northern Punjab while dry weather covered the Sind province.



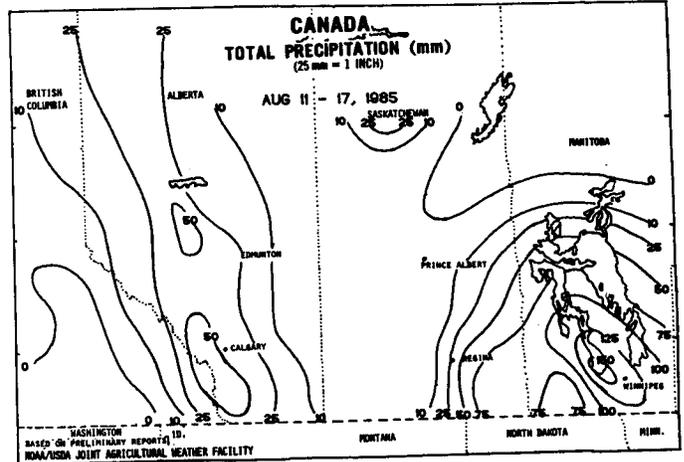
SOUTHEAST ASIA... Widespread monsoon showers fell over Southeast Asia. The heaviest rain (50-100mm or more) was concentrated over northwestern Thailand, northern portions of Laos and Vietnam, southwestern Kampuchea, and peninsular Thailand. Weekly totals were quite variable elsewhere in Southeast Asia, but rainfall was generally below average. In Thailand, the heavier showers in the north and west occurred in areas which received below-average rainfall last month. Thus, the generally favorable monsoon pattern continued for Thailand's crops. Corn was maturing in the south-central region while rainfed rice ranged from vegetative growth to early heading. In the Philippines, locally heavy rain fell over western and central Luzon. Rainfall amounts were light over the central islands, but shower activity increased over Mindanao.



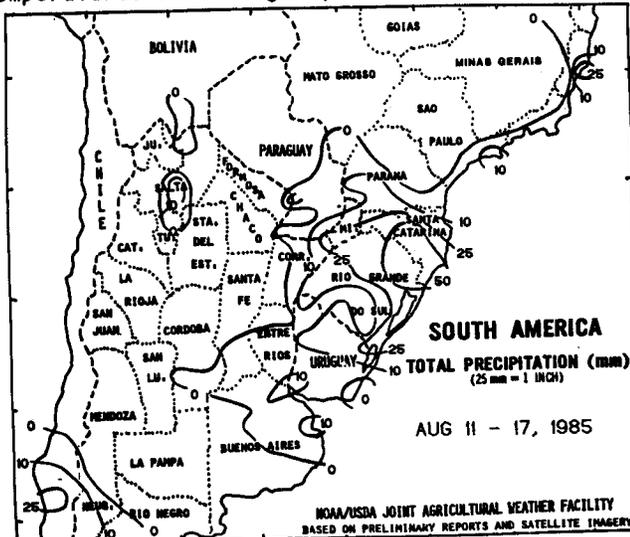
EASTERN ASIA... Tropical Storm Lee produced inundating rain in Korea. In South Korea very heavy rain (100-300mm) likely damaged rice entering the filling stage. Heavy rain fell in North Korea and eastern Liaoning, China where persistent wetness has damaged corn. Mostly favorable rain spread into Manchuria benefiting corn and soybeans, but some locally heavy rain fell in the north. Unfavorably dry weather covered most of the North China Plain where summer crops are in the reproductive and filling stages. Variable rain fell in the rice region, but most rice received less than 25mm of rain. Temperatures averaged above normal in most of the North China Plain and southern China, creating heavy reliance on irrigation.



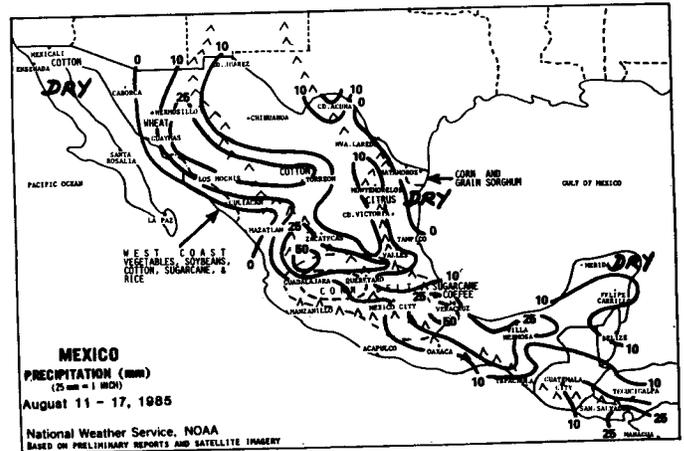
AUSTRALIA...Following beneficial rain in the southeast last week, variable rain favored the region again this week. The heaviest rain, as much as 30mm, fell in New South Wales, while 10-25mm of rain covered most of Victoria. Moderate rain fell in southeastern Queensland, but only light showers fell in the drier wheat region. Light rain also fell in wheat areas in South Australia and Western Australia. Temperatures averaged mostly near normal in the wheat areas, except New South Wales where temperatures were slightly above normal.



CANADA...Locally heavy rain, producing as much as 50-150mm, fell over crop areas of Manitoba and eastern Saskatchewan. The moisture was excessive for maturing crops, likely caused some lodging and delayed early harvesting in the eastern grain belt. The grain harvest has started throughout southern portions of the Prairie Provinces. Light showers (less than 5mm) fell over the western half of Saskatchewan and eastern Alberta, but heavier rain (10-47mm) delayed early harvesting over western crop areas of Alberta. The rain may have benefited late maturing crops, still in the filling period. Weekly average temperatures were 4-6C below normal, slowing crop maturation. Minimum temperatures fell to 1-3C early in the week, producing an early light frost in northern crop areas.



SOUTH AMERICA...Mostly dry weather favored wheat planting in Argentina's major producing provinces of Buenos Aires, Santa Fe, Cordoba, and La Pampa. Buenos Aires is the largest wheat producer. Planting progress has reached over 75 percent. Moisture conditions are favorable for crop establishment and early growth. Seasonably cool temperatures have kept moisture usage at a low rate. Although topsoil moisture was sufficient, growing season rains will be needed to sustain favorable crop conditions during the more vigorous vegetative growth period. In Brazil, rain fell again in Rio Grande do Sul. Weekly amounts were light (4-17mm) in the southern portion of the state, but heavier rain (25-87mm) fell in the north, extending into southern Santa Catarina where the moisture benefited wheat. Dry weather persisted from northern Parana into the citrus/coffee areas where a long dry spell continues. Coffee flowering will begin soon.



MEXICO...Significant rain doused most of the southern Plateau corn belt, including the droughty north central section. Twenty to 30mm of rain fell over the north central areas which had received little or no moisture during the past several weeks. Beneficial rain also covered the northwestern mountain watersheds, increasing irrigation water for this summer's field crops and next winter's vegetables. Light showers dotted some northeastern orchards and the unusually dry Yucatan peninsula, but much more moisture is needed for immature crops and fruits.

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