

WEEKLY WEATHER AND CROP BULLETIN

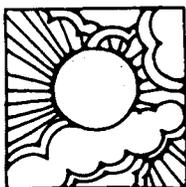
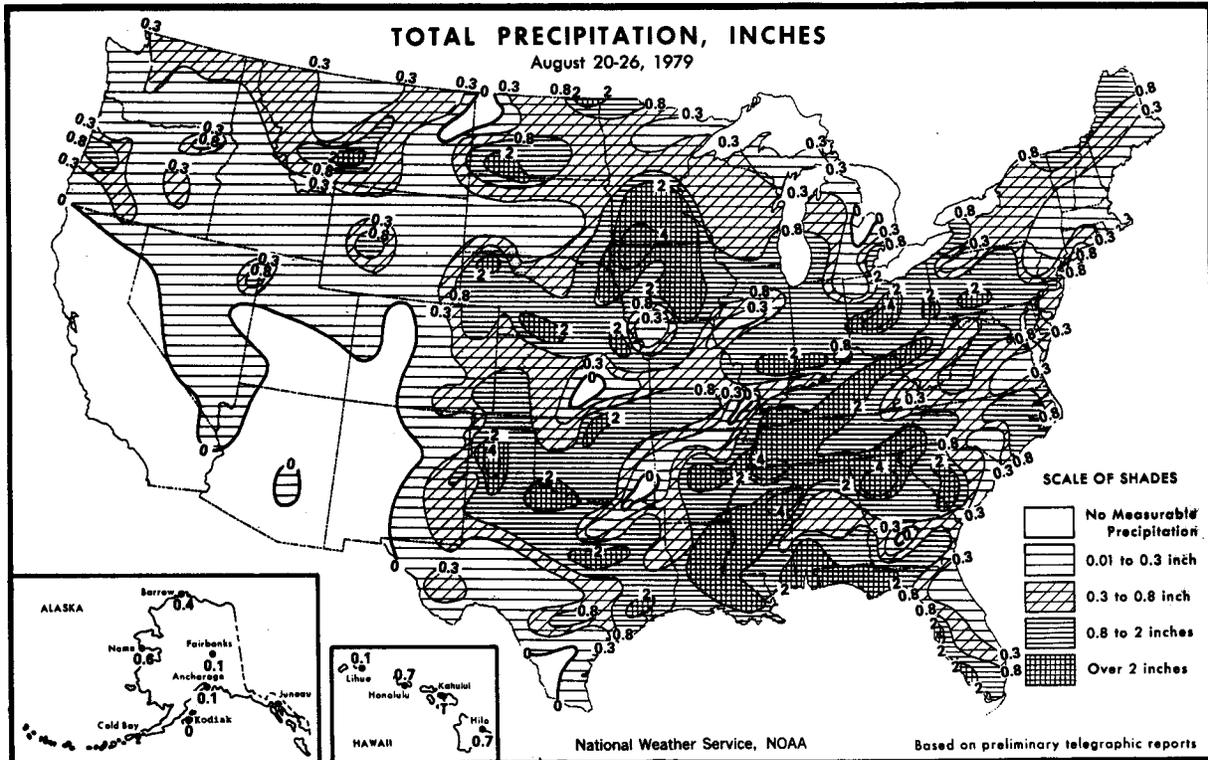
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National Weather Summary

August 20 - 26

HIGHLIGHTS: A succession of cool airmasses moved through the Plains, then eastward dissipating over the Eastern Seaboard. Showers and thunderstorms, heavy at times, accompanied each front.

Much of the Nation east of the Rockies accumulated moderate to heavy amounts of rain. Some stations in Iowa and Minnesota received 6 to 8 inches.

Temperatures averaged cooler than normal over the Plateau Region, Rocky Mountains, and most of the Great Plains. Parts of the Rockies and central Plains were 4 to 6 degrees below normal. The West

Coast averaged 3 to 5 degrees above normal, while the East Coast was near or slightly above the norm.

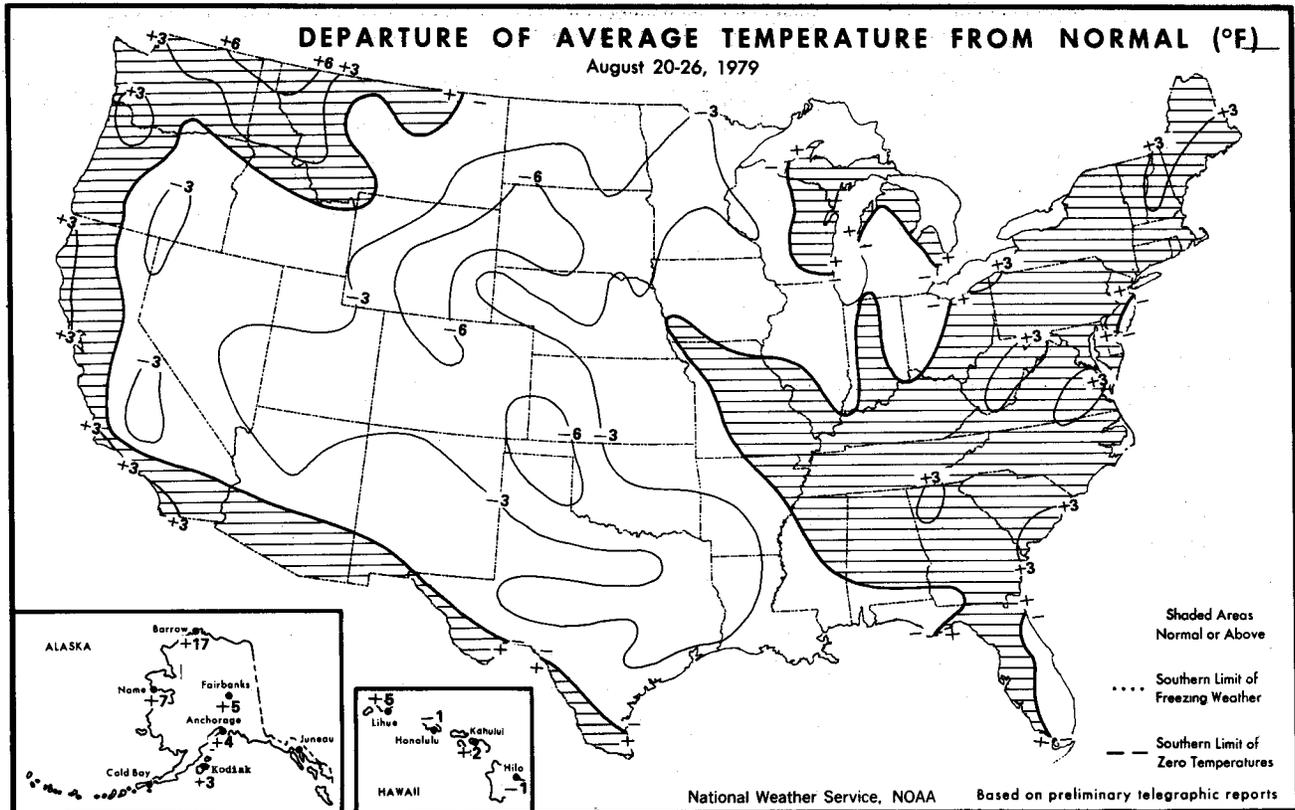
On Monday, a stationary frontal system curved from the South Atlantic States through the Ohio Valley into the upper half of the Mississippi Valley---the result---heavy rain.

Two to 4 inches soaked already-saturated northwestern Iowa. Nearly a half-foot drenched south central Minnesota. Two inches covered Houston, southwestern Pennsylvania, and 3 inches doused Weirton, in the northern West Virginia Panhandle.

To the west and south, one to 2 inches fell over Roanoke, southwestern Virginia, Jackson, Miss., and Lubbock, in the lower Texas Panhandle.

The stationary front continued to produce a deluge of rain in the upper Mississippi Valley on Tuesday.

In northwestern Iowa, Graettinger reported 8.1 inches, and the appropriately-named Storm Lake notched 5 inches in 6 hours. Martin County, Minnesota, on the Iowa border, measured 6 to 8 inches.



Thunderstorms also rumbled in the South and East. Columbus, eastern Mississippi, scored 3 inches of rain, while Salisbury, eastern Maryland, and Tallahassee managed an inch and one-half. More than a half-dozen tornadoes touched down in the Plains from the Dakotas to Texas, and both Oklahoma City and Tulsa tallied more than an inch of rain.

Record-breaking low temperatures chilled the southern half of the Rockies and Southwest. A sampling of new marks included 34° at Alamosa, south central Colorado, 33° at Flagstaff, northern Arizona, and Albuquerque's record-tying 56°.

Rain persisted in the Midwest and Ohio Valley and edged southward on Wednesday.

Less than an inch of rain fell over most stations in the Nation's midlands, but heavy downpours were scattered over the southern tier of States and West Virginia.

Two to 3 inches soaked Medina, western West Virginia, Columbia, S.C., and Madison, west central Mississippi. One to 2 inches of rain fell over Joplin, southwestern Missouri, Little Rock, and the Houston, Tex., area.

While one front triggered storms in the Nation's southeastern quadrant, a cold front pushed into the country's northern States on Thursday.

Florida noted several tornadoes, and Pensacola registered 1.2 inches of rain. Other areas of heavy rain included 2 inches at Washington, northern Virginia, and an inch and a quarter at Alexandria, central Louisiana.

Heavy storms rolled over the Midwest again dumping more rain on Iowa and one-inch-plus amounts in parts of Michigan and Missouri.

Storms dotted much of the Nation on Friday. The heaviest totals fell over Montana and the Tennessee Valley. An area near Bozeman, southern Montana, recorded 2.5 inches in one hour. Memphis gathered 2.3 inches of rain.

One-inch-plus rains soaked sections of Florida, Pennsylvania, Iowa, and Coastal Texas.

Intense storms jostled the central Plains and an area from Tennessee to Florida on Saturday.

In southwestern Nebraska, streets flooded in Stockville and McCook after 3.5 inches of rain in 25 minutes. Large hail also pelted several Nebraska points. Garden City, western Kansas, scored 1.5 inches of rain.

Two and one-third inches of rain soaked Nashville, while Milton and Valparaiso, in the Florida Panhandle, got 1.5 to 2 inches.

On Sunday, storms ranged over a large portion of the country from Texas to the East Coast.

Heavy rains drenched the Texas and Oklahoma Panhandles; 4.5 inches fell on some of the Texas points. Amarillo checked in with 3 inches.

Spencer, northwestern Iowa, measured 2 inches of rain, while Des Moines got 1.7 inches, making for a very wet week over most of the State.

Moving eastward, North Charleroi, southwestern Pennsylvania, noted 2.5 inches of rain in a half-hour, and Buffalo, N.Y., scored more than an inch for the day.

Meantime, a tropical depression formed in the western Gulf of Mexico 175 miles south southeast of Brownsville, at the southern tip of Texas.



National Agricultural Summary

August 20 - 26

HIGHLIGHTS: Heavy precipitation spread throughout much of the Nation from the Rocky Mountains eastward. The rainfall should provide adequate soil moisture for planting the 1980 winter wheat crop. Precipitation throughout the Dakotas and Minnesota delayed small grain harvest activity. Subnormal temperatures throughout the northern Corn Belt slowed corn and soybean development. Soil moisture rated mostly adequate in most of the Nation; only scattered areas reported shortages in the West, across the South, and some of New England. Farmers had 4 to 6 days suitable for fieldwork, except in the eastern north central States where only 1 to 4 days were available. Winter wheat producers plowed and prepared seedbeds for fall planting; a few early fields were seeded in the West. Spring wheat harvest advanced to 43%, continuing to lag last year's 69% and the 71% average. Oats combining reached 82%, lagging the 94% for last year and average. Barley harvest stood at 57%, short of the 70% last year and the 71% average. Rice combining advanced to 27%, close to the 29% last year and the 26% average. Winter wheat harvest was virtually complete except in Idaho. The cotton and grain sorghum harvests remained centered in Texas. Corn harvest advanced across the South and extended as far as Virginia. Soybean pod set moved well ahead, and early fields began yellowing. Pastures rated mostly good; light rains improved western rangeland. Farm fuel supplies held steady from the previous week. LP gas rated 8% tight and 89% adequate; diesel fuel scored 24% tight and 74% adequate; gasoline stood at 20% tight and 79% adequate.

SMALL GRAINS: Winter wheat harvest wound down across the northern areas of the Nation. Most States with some acreage to harvest were 90% complete or better; only Idaho was lower at 75%, which exceeded recent years. Spring wheat harvest advanced to 43%, lagging far behind 1978's 69% and the 71% average. Rains throughout the North slowed combining. Oats combining advanced to 82%, 12 points below last year and average. Storms lodged stands, created wet conditions, and spurred weed growth. Barley combining advanced to 57%, short of last year's 70% and the 71% average. Among the small grain-producing States with some acreage to harvest, Minnesota lagged far behind for oats, barley, and spring wheat. Farmers in the Dakotas reported a shortage of storage space with some of the crop already being dumped in the open with no protection.

Winter wheat producers prepared land for fall seedings. Rains provided adequate soil moisture, and seeding began in the Northwest and Mountain States.

CORN: Corn rated good throughout all the major production areas. Dough stage ranged from a far-below-normal 35% in Wisconsin to a near-normal 85% in Illinois. In the eastern Corn Belt, dent stage ranged from just beginning in Wisconsin to 37% in Illinois. In the western Corn Belt, dent stage ranged from 14% in South Dakota to 55% in Missouri. Denting fell far below normal throughout the Corn Belt with the exception of Missouri. A lack of sunshine and continued subnormal temperatures slowed corn development. Extreme northern areas of the Corn Belt will need a late frost if the crop is to reach full maturity.

Corn harvesting continued to advance throughout the South. Progress in Georgia reached 42%, Texas 25%, North Carolina 7%, and was just beginning in Virginia.

SOYBEANS: Soybean pod set was well advanced, reaching 80% or better in northern production areas and 54% or better in southern areas. The crop generally rated good, although subnormal temperatures and lack of sunshine delayed this crop in extreme northern areas. Yellowing just got started in the north central States. Rains improved some of the soybeans in the Southeast, but stands located in dry areas shed blooms and pods.

COTTON: Most cotton acreage set bolls, but only limited acreage showed open bolls. Dry soils in the Southeast caused some plants to shed fruit. Excessive soil moisture caused some problems for the Arkansas crop. Hail damaged some stands throughout the Southwest from Arizona to the Texas Plains. Insects apparently were not a serious problem. Texas cotton harvest advanced to 8%, lagging last year's 14% and the 10% average; harvest was nearly finished in the lower Rio Grande Valley.

OTHER CROPS: Grain sorghum heading ranged from 80 to 100% complete; coloring showed on 15% of the northern acreage to 73% in Texas. Combining remained centered in Texas where 58% of the crop was harvested, compared with 66% last year and the 57% average.

Rice heading ranged from a below-normal 61% in Arkansas to 80% in Mississippi, 94% in Louisiana, 89% in California, and 100% in Texas. Harvest was centered along the Gulf Coast. Texas harvest reached 96% and Louisiana 60%. A few early Arkansas fields were combined.

FRUITS & NUTS: Peach harvest was ending in the South, while northern growers harvested late varieties. Apple harvest advanced throughout all areas as southern growers began harvesting some fall varieties, and northern growers continued to harvest early varieties. Washington Red Delicious apples reached good size and color. Pacific Northwest growers harvested Bartlett pears. Berry harvests wound down.

Florida citrus groves rated very good to excellent. West Coast areas had an excess of rain; elsewhere in Florida, growers applied limited irrigation. New crop fruit progressed well. Texas citrus growers continued to irrigate and spray groves. Arizona lemon ring picking made good progress. California lemon shipments slowed.

Pecans generally rated fair to good, although some of the Mississippi crop scored poor. California growers harvested almonds and prepared to harvest walnuts. Oregon growers sprayed Filberts; walnuts rated good.

VEGETABLES: Subnormal temperatures slowed ripening of northern vegetable crops, and in some areas, wet soils plagued harvest operations. Southern growers continued to prepare seedbeds and plant fall crops. Florida growers began harvesting some cucumbers, squash, and okra. A wide variety of vegetables continued to move from California. The important California processing-tomato harvest reached the midpoint.

PASTURES & LIVESTOCK: Pastures in the eastern two-thirds of the Nation rated mostly good; an exception was the Southeast where dry soils held pastures in poor condition. Light rains throughout the West improved rangeland and reduced fire hazards. Rains continued to cause problems for farmers trying to cut and cure hay in the eastern half of the Nation. Some Wisconsin growers chopped grass which had been cut for hay but did not cure because of the wet weather. Cattle generally rated good. Western livestock producers continued to move herds off deteriorated summer ranges.

Weather Data for the Week Ending Aug. 26, 1979

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 4	Pct. normal since June 4	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
ALA. Birmingham.	88	71	92	69	80	+ 1	.6	-.3	.6	12.0	95	95	56	2	0	2	0
Mobile.	88	71	94	69	80	- 1	3.3	+ 1.8	1.2	18.4	90	91	56	4	0	5	3
Montgomery.	90	71	93	70	81	+ 1	.8	.0	.3	7.1	61	91	52	3	0	4	0
ALASKA. Anchorage.	69	49	73	46	59	+ 4	.1	-.5	.1	6.4	125	93	63	0	0	1	0
Barrow.	59	49	70	45	54	+17	.4	+.2	.1	.9	41	87	70	0	0	3	0
Fairbanks.	72	48	81	43	59	+ 5	.1	-.4	.1	2.7	51	84	50	0	0	2	0
Kodiak.	67	48	75	45	58	+ 3	.0	- 1.1	.0	6.7	61	91	65	0	0	0	0
Nome.	58	53	65	49	55	+ 7	.6	-.2	.2	6.7	105	87	83	0	0	4	0
ARIZ. Flagstaff.	77	39	80	33	58	- 5	.0	-.6	.0	3.6	68	73	18	0	0	0	0
Phoenix.	104	73	107	68	88	0	.0	-.3	.0	1.5	75	42	10	7	0	0	0
Tucson.	99	68	104	65	84	+ 1	.0	-.5	.0	5.1	111	39	10	7	0	0	0
Winslow.	92	54	97	49	73	- 2	.0	-.4	.0	1.7	57	52	9	6	0	0	0
Yuma.	109	78	117	74	94	+ 2	.0	- 1.1	.0	1.7	283	99	7	7	0	0	0
ARK. Fort Smith.	87	68	90	66	77	- 3	.2	-.5	.1	10.5	113	95	56	1	0	2	0
Little Rock.	86	69	94	67	77	- 3	3.4	+ 2.8	1.8	9.0	99	93	60	1	0	3	2
CALIF. Bakersfield.	88	64	91	63	76	- 5	.0	.0	.0	.0	100	73	35	1	0	0	0
Eureka.	68	56	71	53	62	+ 5	T	-.1	.0	.4	40	94	67	0	0	0	0
Fresno.	88	62	91	58	75	- 2	.0	.0	.0	.1	100	73	38	3	0	0	0
Los Angeles.	80	64	85	62	72	+ 3	.0	.0	.0	.0	100	88	54	0	0	0	0
Red Bluff.	89	61	98	59	75	+ 1	.0	-.1	.0	.0	64	22	3	0	0	0	0
San Diego.	81	68	84	65	75	+ 4	T	.0	.0	.1	50	87	56	0	0	0	0
San Francisco.	73	59	75	59	66	+ 3	T	.0	.0	.1	50	84	52	0	0	0	0
Stockton.	90	60	95	58	75	0	T	.0	.0	.2	200	79	32	3	0	0	0
COLO. Denver.	73	52	78	48	64	- 6	.2	-.1	.1	9.0	196	77	34	0	0	2	0
Grand Junction.	86	58	90	52	71	- 3	T	-.3	.0	1.4	78	55	21	2	0	1	0
Pueblo.	84	53	86	50	69	- 4	.1	-.3	-.1	6.5	133	94	31	0	0	0	0
CONN. Bridgeport.	78	67	83	63	73	+ 1	1.0	+.2	.9	7.5	83	87	76	0	0	1	1
Hartford.	80	62	85	58	71	+ 2	.3	-.6	.2	6.6	67	89	58	0	0	3	0
D.C. Washington.	85	71	90	62	78	+ 2	.8	-.2	.1	9.2	82	97	63	1	0	1	0
FLA. Apalachicola.	89	73	91	70	81	0	2.2	+.3	-.1	13.4	68	87	57	3	0	-	-
Daytona Beach.	89	72	91	71	80	- 1	.2	- 1.4	-.1	19.7	106	100	63	1	0	-	0
Ft. Myers.	92	75	94	73	83	0	3.4	+ 1.6	-.1	23.4	99	99	61	6	0	-	-
Jacksonville.	91	71	94	70	81	0	.2	- 1.6	.1	14.5	73	98	57	6	0	1	0
Key West.	90	79	91	76	84	0	.9	-.2	.6	8.0	68	84	63	6	0	5	1
Miami.	87	75	89	73	81	- 2	1.1	-.5	.6	12.5	60	94	61	0	0	5	1
Orlando.	92	74	93	73	83	+ 1	T	- 1.5	.0	16.7	81	95	54	7	0	0	0
Tallahassee.	88	70	92	68	79	- 2	2.8	+ 1.3	1.6	23.2	111	99	64	3	0	4	2
Tampa.	90	75	92	73	82	0	2.8	+ 1.0	.8	18.6	87	96	63	6	0	5	2
W. Palm Beach.	90	74	92	72	82	- 1	.3	- 1.4	.2	11.3	58	82	55	5	0	3	0
GA. Atlanta.	87	72	95	71	80	+ 3	4.2	+ 3.5	1.1	10.4	92	91	58	2	0	5	4
Augusta.	91	69	96	67	80	+ 1	1.4	+.5	.9	10.3	85	96	52	4	-	3	1
Macon.	92	71	97	70	81	+ 1	1.3	+.5	.5	10.1	90	95	51	4	0	4	1
Savannah.	93	73	97	72	83	+ 3	.7	-.7	.4	17.2	92	94	52	5	0	4	0
HAWAII. Hilo.	81	68	84	66	75	- 1	.7	- 1.7	-.1	23.7	94	74	69	0	0	-	-
Honolulu.	86	74	88	72	80	- 1	.7	+.6	-.1	.7	47	80	53	0	0	-	-
Kahului.	90	76	91	72	81	+ 2	T	-.1	.0	-.1	49	1	0	0	-	-	0
Lihue.	84	76	86	72	80	+ 5	.1	-.4	.0	4.7	89	83	63	0	0	-	-
IDAHO. Boise.	84	54	90	48	69	- 2	.1	.0	.0	1.9	136	70	28	1	0	2	0
Lewiston.	88	61	96	59	74	+ 4	T	-.1	.0	1.3	50	78	31	2	0	0	0
Pocatello.	85	47	91	45	66	- 2	T	-.1	.0	2.2	110	77	20	3	0	0	0
ILL. Cairo.	86	72	92	69	79	+ 1	2.6	+ 1.8	2.4	6.2	61	-.1	2	0	2	1	1
Chicago.	78	65	82	59	72	- 1	1.2	+.5	.6	14.8	141	88	62	2	0	3	2
Moline.	80	60	84	52	70	- 2	1.1	+.4	.1	14.4	126	100	62	0	0	3	0
Peoria.	82	60	86	53	71	- 2	.2	-.5	.1	7.5	77	96	54	0	0	4	0
Rockford.	78	61	82	52	69	- 2	1.0	+.2	-.1	14.2	125	99	63	0	0	0	0
Springfield.	83	62	90	55	73	0	1.0	+.4	.9	8.1	82	98	63	1	0	3	1
IND. Evansville.	83	65	92	61	74	- 1	.8	+.2	.5	11.9	127	95	60	1	0	4	1
Ft. Wayne.	76	61	80	54	68	- 2	.4	-.2	.3	10.7	109	95	65	0	0	4	0
Indianapolis.	79	65	85	57	72	0	1.3	+.7	.8	21.6	220	99	73	0	0	4	1
South Bend.	78	64	84	58	71	+ 1	.8	+.1	.4	14.2	145	93	65	0	0	3	0
IOWA. Burlington.	83	60	88	51	72	- 1	.6	-.2	.5	7.2	66	-.1	0	0	2	1	1
Des Moines.	80	62	88	56	71	- 1	3.2	+ 2.4	1.5	13.7	132	89	48	0	0	3	2
Dubuque.	77	61	81	53	68	- 1	1.5	+.5	-.1	16.4	131	92	61	0	0	-	-
Sioux City.	79	60	85	51	69	- 3	3.5	+ 2.8	1.5	11.5	115	91	55	0	0	4	2
KANS. Concordia.	86	62	91	60	74	- 2	.8	+.1	.5	9.6	93	92	42	1	0	3	1
Dodge City.	85	57	91	54	71	- 6	.7	+.1	.6	7.3	87	78	36	1	0	4	1
Goodland.	82	55	83	52	68	- 5	.8	+.4	.6	12.7	176	97	40	0	0	3	1
Topeka.	87	64	94	56	76	0	1.2	+.3	1.1	13.6	103	94	48	2	0	3	1
Wichita.	91	65	96	61	78	- 1	T	-.7	.0	9.3	84	85	37	5	0	0	0
KY. Lexington.	81	69	87	66	75	+ 1	2.8	+.3	.8	12.4	108	88	65	0	0	4	1
Louisville.	82	69	93	68	76	+ 1	.9	+.3	.4	14.9	152	94	68	1	0	5	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Aug. 26, 1979

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-hours, in.	Total, in., since June 4	Pct. normal since June 4	Average maximum	Average minimum	Temperature °F		Precipitation	
														90 and above	32 and below	.01 inch or more	.50 inch or more
LA. Baton Rouge.	87	71	89	70	79	- 2	3.8	+ 2.8	--	13.5	97	100	65	0	0	--	--
Lake Charles.	87	72	90	70	79	- 3	.9	.1	.9	19.3	129	98	67	2	2	1	1
New Orleans.	89	73	91	71	81	- 1	2.0	.8	.3	14.2	91	92	58	3	0	4	4
Shreveport.	90	68	93	66	79	- 4	.5	.1	.4	10.5	130	96	54	4	0	4	4
MAINE. Caribou.	73	56	81	46	65	+ 3	1.9	+ 1.1	--	11.9	117	97	64	0	0	--	--
Portland.	73	57	79	49	65	0	.1	.5	.1	11.6	151	97	59	0	0	1	0
MD. Baltimore.	84	67	89	57	75	+ 1	1.2	.3	.6	11.4	104	97	63	0	0	4	1
MASS. Boston.	78	65	86	61	71	+ 1	.1	.7	.1	7.6	89	92	63	0	0	0	0
Chatham.	70	57	76	55	63	--	.0	--	.0	5.9	69	94	71	0	0	0	0
MICH. Alpena.	75	53	81	48	64	+ 1	.1	.5	.1	9.1	121	--	--	0	0	1	0
Detroit.	77	59	79	52	67	- 3	1.3	.6	1.3	11.7	130	94	59	0	0	3	1
Flint.	77	58	80	54	67	- 0	.0	.7	.0	9.5	107	60	60	0	0	0	0
Grand Rapids.	77	59	83	52	68	- 1	2.0	+ 1.4	.9	10.9	131	95	64	0	0	4	2
Houghton Lake.	74	55	79	44	64	0	.3	.2	--	9.1	112	93	59	0	0	0	0
Lansing.	77	60	82	51	68	- 1	.2	.4	--	9.8	121	89	60	0	0	0	0
Marquette.	75	54	80	47	64	+ 3	.2	.6	.1	11.2	130	92	57	0	0	3	0
Muskegon.	74	58	81	49	66	- 2	1.0	.4	.5	7.3	104	94	65	0	0	3	1
S. Ste. Marie.	74	54	82	47	64	+ 2	.8	.0	.6	14.1	172	--	64	0	0	2	1
MINN. Duluth.	68	55	77	49	61	- 2	.6	.2	.5	10.9	100	88	62	0	0	3	1
Internatl. Falls.	68	50	82	44	59	- 3	.7	.1	.3	6.9	65	98	67	0	0	3	0
Minneapolis.	73	61	80	49	67	- 2	3.6	+ 2.9	2.3	13.3	137	88	63	0	0	5	2
Rochester.	73	58	77	48	66	- 1	2.5	+ 1.7	2.1	12.4	114	94	68	0	0	3	1
St. Cloud.	69	57	78	44	62	- 5	2.6	+ 1.7	--	12.0	112	99	--	0	0	--	--
MISS. Jackson.	89	69	94	67	79	- 2	3.2	+ 2.4	1.4	24.8	236	98	59	2	0	6	2
Meridian.	89	71	94	68	80	0	.7	.1	.7	11.2	96	97	59	4	0	3	1
MO. Columbia.	86	64	92	60	75	0	.6	.1	.3	6.5	61	96	46	3	0	3	0
Kansas City.	82	65	88	56	74	- 1	1.2	.3	.2	13.4	108	87	56	0	0	2	0
St. Louis.	87	68	95	64	78	+ 2	1.2	.6	1.0	7.0	69	85	48	3	0	3	1
Springfield.	86	65	89	60	76	0	1.1	.4	.6	16.6	164	93	48	0	0	2	1
MONT. Billings.	80	57	87	52	68	0	.5	.2	.4	2.4	60	70	33	0	0	2	0
Glasgow.	80	55	86	49	67	0	.6	.2	.6	2.2	41	70	36	0	0	3	1
Great Falls.	77	53	87	49	65	- 1	.1	.2	.0	3.2	64	78	34	0	0	1	0
Havre.	78	55	89	49	66	0	.1	.2	--	2.7	61	80	39	0	0	0	0
Helena.	77	53	82	49	65	0	.2	.0	.1	3.9	100	71	34	0	0	3	0
Kalispell.	81	54	89	48	67	+ 6	.6	.2	.3	2.1	48	90	38	0	0	3	0
Miles City.	78	57	83	50	68	+ 3	.2	.1	--	3.7	66	79	35	0	0	0	0
Missoula.	81	54	84	53	68	+ 4	.4	.2	.4	2.1	60	82	38	0	0	3	0
NEBR. Grand Island.	82	60	85	54	71	- 3	.8	.2	.5	7.1	77	91	45	0	0	3	1
Lincoln.	83	63	88	52	73	- 1	1.8	+ 1.0	--	9.5	89	96	53	0	0	--	--
Norfolk.	81	60	83	54	70	- 2	1.1	.5	.5	9.7	98	94	50	0	0	4	1
N. Platte.	83	56	86	54	69	- 3	1.1	.7	1.0	12.0	150	91	37	0	0	2	1
Omaha.	81	64	87	55	72	0	1.5	.6	--	8.5	73	88	57	0	0	0	0
Valentine.	78	53	83	46	65	- 6	T	.5	.0	7.8	99	92	42	0	0	0	0
NEV. Ely.	81	40	86	38	61	- 3	.0	.1	.0	3.0	131	66	14	0	0	0	0
Las Vegas.	100	68	105	64	84	- 2	.0	.1	.0	3.0	333	37	11	7	0	0	0
Reno.	85	42	89	39	64	- 2	T	.0	.0	.6	60	80	15	0	0	0	0
Winnemucca.	88	44	90	41	66	0	T	.1	.0	2.3	153	68	15	2	0	1	0
N.H. Concord.	80	57	87	50	69	+ 3	T	.7	.0	6.7	78	--	55	0	0	1	0
N.J. Atlantic City.	78	63	86	53	71	- 1	.5	.6	.2	13.9	119	85	60	0	0	4	0
Trenton.	82	67	86	63	75	+ 2	1.8	.9	1.4	13.5	118	--	--	0	0	3	1
N.MEX. Albuquerque.	91	60	96	55	75	- 1	T	.3	.0	3.2	97	60	15	5	0	0	0
Roswell.	90	63	95	59	76	- 1	.3	.0	.2	4.5	105	--	--	5	0	2	0
N.Y. Albany.	80	58	84	53	69	+ 1	.1	.6	.1	7.4	90	92	53	0	0	1	0
Binghamton.	76	58	79	54	67	+ 1	.6	.2	.4	4.4	44	97	53	0	0	2	0
Buffalo.	78	60	84	54	69	+ 2	1.7	.1	1.1	8.5	108	90	57	0	0	4	1
New York.	81	68	87	65	75	+ 1	.8	.2	.6	6.2	60	85	57	0	0	2	1
Rochester.	80	57	83	50	69	+ 1	.4	.2	.4	6.7	88	99	58	0	0	4	0
Syracuse.	79	59	84	53	69	0	.4	.4	.3	7.7	87	86	61	0	0	3	0
N.C. Asheville.	83	65	90	60	73	+ 1	2.9	+ 1.9	.9	11.5	93	99	64	1	0	6	4
Charlotte.	88	70	96	69	79	+ 2	.4	.4	.1	9.8	86	92	54	3	0	4	0
Greensboro.	86	68	91	65	77	+ 2	.4	.6	.3	7.4	63	97	57	2	0	3	0
Hatteras.	85	70	87	68	78	+ 1	.6	.9	.6	13.2	83	93	66	0	0	1	1
Raleigh.	87	68	91	66	78	+ 2	1.2	.1	1.2	8.3	66	--	59	2	0	2	1
Wilmington.	92	71	100	68	80	+ 1	1.1	.4	--	9.2	48	100	57	4	0	--	--
N.DAK. Bismarck.	73	53	77	43	63	- 5	1.0	.6	.8	5.3	75	92	49	0	0	3	1
Fargo.	73	57	82	51	65	- 3	.4	.2	.3	6.8	79	85	58	0	0	5	0
Williston.	78	47	83	39	63	- 4	.0	.4	.0	4.7	72	87	30	0	0	0	0
OHIO. Akron-Canton.	77	61	81	55	69	0	1.6	+ 1.0	.7	8.2	88	92	65	0	0	4	1
Cincinnati.	78	66	82	64	72	- 2	1.1	.6	.8	16.3	166	88	68	0	0	4	1
Cleveland.	81	63	86	54	72	+ 3	2.0	+ 1.3	1.2	11.4	124	85	53	0	0	5	1
Columbus.	77	65	79	60	71	0	4.1	+ 3.5	2.3	19.5	186	95	78	0	0	5	3
Dayton.	77	63	81	55	70	- 2	2.5	+ 1.9	1.4	16.3	177	97	63	0	0	4	2
Toledo.	77	60	81	54	69	- 1	.2	.5	.1	12.9	143	96	66	0	0	4	0
Youngstown.	77	60	81	53	68	0	1.5	.8	.8	9.0	93	94	60	0	0	4	1

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Aug. 26, 1979

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-hours, in.	Total, in., since June 4	Pct. normal since June 4	Average maximum	Average minimum	Temperature °F		Precipitation		
														90 and above	32 and below	.01 inch or more	.50 inch or more	
OKLA. Okla. City	90	66	93	62	77	- 3	1.4	+	.8	1.6	17.7	211	85	45	4	0	4	1
Tulsa	90	69	94	66	79	- 1	1.3	+	.6	1.2	15.3	151	81	50	5	0	3	1
OREG. Astoria	72	53	75	49	72	+ 2	3	-	.4	.0	3.5	80	94	68	0	0	1	0
Burns	75	51	79	42	62	- 3	.4	+	.3	1.7	100	78	35	0	0	0	0	
Medford	84	55	87	49	69	- 0	.1	+	.0	.1	1.0	71	76	31	0	0	1	0
Pendleton	80	56	83	54	68	- 2	.2	+	.0	1.4	82	77	37	0	0	0	0	
Portland	80	60	83	59	70	+ 4	.2	+	.0	.1	2.0	77	91	45	0	0	3	0
Salem	79	54	82	51	67	+ 2	.1	+	.0	.1	1.6	76	95	43	0	0	1	0
PA. Allentown	82	64	85	58	73	+ 2	.2	-	.7	.1	8.7	79	90	56	0	0	0	0
Erie	80	63	85	57	72	+ 5	2.2	+	1.4	12.0	126	126	126	126	0	0	2	1
Harrisburg	79	67	86	58	73	0	1.1	+	.4	8.8	97	97	97	97	0	0	3	0
Philadelphia	83	67	87	61	75	+ 1	.3	-	.6	.2	13.3	122	95	54	0	0	3	0
Pittsburgh	76	62	80	58	69	0	1.3	+	.6	.4	12.0	124	90	68	0	0	4	0
Scranton	82	61	85	55	71	+ 2	.1	-	.6	.1	6.2	62	88	50	0	0	1	0
R.I. Providence	77	62	82	57	70	+ 1	.3	-	.3	.3	13.0	151	89	61	0	0	1	0
S.C. Charleston	94	72	97	70	83	+ 4	.1	-	1.6	.1	10.6	54	97	52	7	0	1	0
Columbia	91	69	99	67	80	0	2.6	+ 1.4	2.2	15.6	112	98	50	5	0	2	2	
Greenville	85	68	94	66	77	0	2.3	+ 1.4	1.1	14.6	129	97	64	2	0	6	2	
S.DAK. Aberdeen	76	56	80	44	66	- 3	.7	+	.2	8.3	105	88	45	0	0	0	0	
Huron	78	55	81	44	66	- 5	.1	-	.4	.1	6.2	86	96	47	0	0	0	0
Rapid City	77	51	80	50	64	- 6	.1	-	.2	.1	9.3	135	91	42	0	0	2	0
Sioux Falls	76	57	82	46	67	- 3	1.7	+ 1.0	1.3	10.4	113	89	60	0	0	3	1	
TENN. Chattanooga	87	72	93	70	79	+ 2	3.1	+ 2.4	2.1	16.6	147	91	60	2	0	4	2	
Knoxville	87	71	92	70	79	+ 2	1.1	+ .4	.5	13.8	127	94	61	2	0	5	0	
Memphis	89	74	94	71	81	+ 2	3.1	+ 2.4	2.9	10.1	106	87	53	3	0	6	1	
Nashville	87	70	95	68	79	+ 1	3.8	+ 3.1	2.5	11.1	116	98	59	2	0	4	3	
TEX. Abilene	95	67	110	66	81	- 2	1.4	+ 1.0	1.1	5.8	88	74	31	6	0	4	1	
Amarillo	84	58	91	52	71	- 6	4.7	+ 4.1	.8	9.4	111	90	40	2	0	5	1	
Austin	94	71	96	67	82	- 2	T	-	.6	.0	11.7	180	87	41	7	0	0	0
Beaumont	87	73	90	71	80	- 3	1.3	-	.0	22.1	147	94	67	2	0	-	-	
Brownsville	94	75	98	73	85	+ 1	.3	-	.5	.3	3.2	55	88	46	7	0	2	0
Corpus Christi	94	74	99	71	84	- 1	.3	-	.5	.2	5.9	89	91	50	6	0	3	0
Del Rio	98	72	99	68	85	0	.3	-	.1	.2	3.5	95	84	23	7	0	2	0
El Paso	97	64	99	59	80	0	.0	-	.2	.0	3.1	100	69	17	7	0	2	0
Fort Worth	96	69	98	67	83	- 1	.2	-	.4	.2	5.2	81	91	38	7	0	2	0
Galveston	86	76	87	69	81	- 2	1.5	+	.4	.8	20.4	171	85	65	0	0	5	2
Houston	91	69	94	66	80	- 3	2.1	+ 1.1	1.5	13.1	111	97	55	4	0	3	2	
Lubbock	86	65	93	62	75	- 2	1.8	+ 1.4	1.2	8.3	132	77	44	2	0	3	2	
Midland	91	65	95	60	78	- 3	.2	-	.1	.1	6.1	136	84	33	5	0	4	0
San Angelo	93	67	97	62	80	- 4	.1	-	.3	.1	4.3	105	81	33	6	0	2	0
San Antonio	91	73	95	70	82	- 2	1.0	+	.4	.6	11.0	177	85	45	6	0	2	1
Victoria	90	72	93	69	81	- 3	T	-	.7	.0	9.8	121	93	57	5	0	3	0
Waco	92	70	95	67	81	- 4	2.1	+ 1.6	1.1	13.3	242	91	49	6	0	3	0	
Wichita Falls	92	68	95	66	80	- 5	3.4	+ 3.0	2.3	11.1	166	90	42	6	0	5	2	
UTAH. Blanding	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Salt Lake City	88	56	93	52	72	- 1	.1	-	.1	.1	1.4	56	72	21	3	0	1	0
VT. Burlington	78	56	82	52	67	+ 1	.9	+	.1	.7	5.1	53	94	55	0	0	2	1
VA. Lynchburg	83	67	89	65	75	+ 1	.6	-	.3	.5	11.0	105	92	--	0	0	3	1
Norfolk	86	71	91	68	79	+ 3	.4	-	.9	.2	8.9	63	95	60	2	0	4	0
Richmond	87	69	93	64	78	+ 3	1	-	1.0	.1	11.0	83	98	58	3	0	2	0
Roanoke	82	66	87	63	74	+ 1	1.2	+ .3	.1	17.3	168	97	65	0	0	3	0	
WASH. Colville	85	56	87	50	71	+ 6	.5	+	.3	.4	2.2	79	--	--	0	0	2	0
Omak	85	57	88	49	71	+ 4	.3	+	.2	.3	1.7	85	76	34	0	0	2	0
Quillayute	71	52	76	47	61	+ 2	.1	-	.6	.1	5.5	71	96	64	0	0	1	0
Seattle-Tacoma	73	55	78	52	64	+ 1	.3	-	.0	.3	2.2	76	90	54	0	0	2	0
Spokane	83	58	87	54	71	+ 4	T	-	.1	.0	2.3	110	78	30	0	0	0	0
Walla Walla	83	61	88	58	73	+ 1	T	-	.1	.0	3.4	200	72	35	0	0	0	0
Yakima	83	56	87	51	69	+ 2	.1	-	.0	.1	1.0	92	77	35	0	0	1	0
W. VA. Beckley	77	64	81	62	71	+ 3	.8	-	.0	.4	14.1	124	95	69	0	0	5	0
Charleston	83	66	86	63	75	+ 2	1.5	+	.7	.5	12.4	110	95	62	0	0	7	0
Huntington	82	68	86	66	75	+ 2	3.7	+ 3.0	2.1	20.4	208	90	64	0	0	5	2	
Parkersburg	79	69	84	67	73	0	1.5	+	.8	--	10.9	100	79	61	0	0	--	--
WISC. Green Bay	75	59	78	55	67	0	.7	+	.1	.7	9.9	119	98	64	0	0	3	1
La Crosse	75	61	79	49	67	- 3	.7	-	.0	.0	10.6	104	98	71	0	0	--	--
Madison	76	58	80	48	67	0	.6	-	.1	.6	9.8	94	98	61	0	0	2	1
Milwaukee	76	62	79	56	69	+ 1	1.4	+ .8	.8	7.8	88	91	68	0	0	3	2	
WYO. Casper	75	49	83	46	62	- 6	.2	+	.1	.2	5.0	185	90	39	0	0	2	0
Cheyenne	73	50	76	45	61	- 5	.4	+	.1	.2	6.9	125	75	38	0	0	6	0
Lander	74	48	81	44	61	- 6	.4	+	.3	.1	3.1	115	85	41	0	0	4	0
Sheridan	78	52	84	48	65	- 3	.1	-	.1	--	3.1	67	84	35	0	0	--	--
P.R. San Juan	89	76	89	75	82	+ 1	1.6	-	.0	.5	16.0	92	94	67	0	0	6	2

Based on preliminary reports and 1941-70 normals

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 ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Temperatures 1° above normal, warmest early. Some rain each day. Totals varied; heaviest 3.96 in., lightest 0.07 in.

Fieldwork: 5.1 days suitable. Soil moisture adequate. Harvesting corn and hay, cutting silage, insect control, getting ready for cotton and soybean harvest main activities. Crops, pasture condition mostly good. Corn 96% dented, 90% 1978, 89% average; 82% mature, 64% 1978, 58% average; 35% harvested, 24% 1978. Soybeans 92% in bloom, 87% 1978; 82% setting pods, 73% 1978. Cotton boll set virtually complete, bolls opening few fields.

ALASKA: Warm dry weather. Temperatures to 8° above normal. Seasonal rainfall slightly below normal.

Sunny and warm weather throughout railbelt hastened crop maturity. Farmers making 2d crop hay with nearly ideal conditions. Most oat fields turning color. Barley fields ripening. Few fields being harvested. Tanana Valley little or no wind damage to grain fields. Soil moisture generally short to adequate. Some vegetable crops showed signs of stress. Few growers digging potatoes Matanuska Valley.

ARIZONA: Sunny, dry weather. Temperatures near normal.

Hail damaged some cotton west side. Cotton crop good progress, insect counts low. Many growers applying last irrigation. Heavy fruit load, maturing rapidly. Sorghum and corn for grain good progress, some corn hail-damaged southeast. Harvest early sorghum full swing. Sixth cutting alfalfa hay well-advanced west, fourth and fifth cuttings good progress central, southeast. Planting, irrigating, fertilizing fall lettuce, other vegetables, melons. Hail damaged vegetables, melons southeast. Lemon ring picking making good progress. Diesel, gasoline adequate except southeast, adequate to tight. LP gas adequate. Cattle, calves good condition. Range, pasture, stock water, soil moisture about normal. Recent rains improved ranges, water supplies.

ARKANSAS: Temperatures below normal. Rainfall light to moderate. Highest normal 82°; lowest 75°. Highest temperature 96°; lowest 59°. Most rainfall 3.41 in., least 0 in.

Midweek rains beneficial. Soil moisture excessive some areas. Rain needed other areas. Fieldwork: 4.9 days suitable. Diesel 87% adequate, 11% tight; gasoline 84% adequate, 14% tight; LP gas 96% adequate. Soybeans good; 76% blooming, 68% 1978; pod set 54%, 58% 1978. Dry weather slowing pod development. Cotton fruiting well, behind 1978 crop in maturity. Excessive rainfall hurting crop some areas. Open bolls reported some areas. Rice good condition; 61% headed, 83% 1978; harvest starting. Corn harvest 7%, 10% 1978; moisture content high, increasing drying time. Sorghum harvest 2% complete, 10% 1978. Grape harvest underway. Apple harvest continued. Watermelon harvest neared completion. Tomatoes ample supply. Pastures average condition. Hay cuttings continued. Rain hampered harvesting some areas. Cattle good condition, favorable weight gains.

CALIFORNIA: Remnants of two hurricanes spread clouds over State. Only scattered areas of precipitation recorded.

Cotton virtually bloomed; 83% boll stage; 8% open boll stage. Rice 89% headed, 22% turning color stage. Corn 97% tassel stage, 90% silk stage. Apple harvest active. Hass avocado harvest about complete in San Diego County. Fig harvest increasing. Raisin Thompsons being laid for raisins. Wine grapes coloring well. Peach harvest continued in late varieties. Bartlett pear harvest near completion. Lemon shipments slowed. Almond harvest underway. Walnut orchards being prepared for harvest. Broccoli volume moderate central coast. Cauliflower harvest increasing but still fairly light. Cantaloup maturity slowed by cooler weather. Celery heavy central coast, planting fall crop active. Lettuce volume increasing Salinas-Watsonville. Potato harvest active Stockton and Riverside. Sweetpotato harvest increasing San Joaquin Valley. Market tomato harvest active especially central and north. Processing tomato harvest about midway point. Summer ranges dry. Feed, water supplies generally adequate except northeast where cattle moved off range, lack of feed. Sheep grazing harvested tomato, melon, small grain fields. Movement bees to cotton fields underway. Fuel supplies generally adequate, few local areas having tight supplies gasoline, diesel. Few areas reporting surplus supplies.

COLORADO: Dry weather west of Divide. Moist weather east with scattered thundershowers developing each afternoon. Temperatures 5° below normal. Highs in 70's, cool nighttime lows. Scattered frost San Luis Valley 20th.

Spring wheat harvested 45%, 93% 1978; winter wheat harvest virtually complete, two weeks behind schedule. Corn tasseled 98%, 100% 1978, 100% average; silked 94%, 100% 1978, 100% average. Sorghum headed 86%, 92% 1978. Dry beans flowered 91%, 100% 1978, 100% average. Alfalfa second cutting 85%, 99% 1978. Third cutting 29%, 82% 1978. Fieldwork: 4 days suitable. Ranges and pastures good condition. Livestock very good condition. LP gas and gasoline supplies adequate. Diesel fuel supply tight to adequate.

FLORIDA: High pressure system dominated with numerous showers, thundershowers mostly during afternoon, evening. Rainfall averaged around 1.00 in. except 2.00 in. central area. Local totals over 5.00 in. High temperatures in low to mid-90's with overnight lows in 70's.

Soil moisture variable, a little dry west, most other areas adequate. Few wet spots remain in some central areas. Corn, hay harvest active, tobacco harvest practically complete, peanut harvest just beginning. Soybeans, sugarcane good to excellent condition. Insect buildup in soybeans. Fuel supplies mostly adequate. Some Panhandle pastures only in poor to fair condition; mostly good to excellent elsewhere. Cattle condition mostly good. Citrus grove condition very good to excellent. Rainfall spotty; west coast areas excess rain. Some areas limited irrigation where rains light. New crop fruit progressing well. Vegetable planting very active for fall season. Tomato plantings progressing favorably. Small early acreage cucumbers being harvested west central

area. Eggplant, pepper, celery plantings increasing. Snap bean planting underway southeast, early seeded acreage coming up fair to good stands. Color, growth improving. Squash, okra harvests Dade County continued light. Early sweet corn up, growing in Everglades.

GEORGIA: Temperatures averaged near normal with departures 2° or less. Mean temperatures low 70's mountains to near 80° elsewhere. Extremes: 97° and 51°. Rainfall quite variable in thunder-showers ranging from 4.25 in. to 0. Rainfall occurred at end of week.

Soil moisture improved. Fieldwork: 5 days suitable. Corn fair to good; 42% harvested, 28% last year, 20% average. Soybeans fair to good. Peanuts fair to good; 2% dug, 3% last year, 4% average; 1% threshed, 1% last year, 2% average. Cotton fair to good, 22% open, 16% last year. Tobacco 96% harvested, 92% last year. Apples fair to mostly good; 58% harvested, 50% last year. Pecans fair to good. Pastures and hay crops fair to good. Cattle and hogs good. Planting of small grains not yet underway, average 1%. LP gas 95% adequate, 3% tight; diesel fuel 80% adequate, 18% tight; gasoline 88% adequate, 10% tight.

HAWAII: Weather hot, humid. Dry most sections except for scattered, light showers at higher elevations and windward areas.

Irrigation heavy most crops, but water supplies adequate. Frequent spraying continued for disease and insect control. Vegetable supplies adequate. Tipburning affecting some lettuce crops. Banana supplies light. Orchard conditions fair to good. Fields irrigated where facilities available. Papaya supplies light. New fields making good progress. Pineapple harvesting over peak. Pickings declining. Sugar harvesting steady. Pastures generally good. Kona area Island Hawaii good. Beneficial rains. Fuel supplies adequate.

IDAHO: Thundershowers till midweek. Heaviest in north and southeast. Clearing later in week.

Rain widespread. Some hail. Winter wheat harvested 75%, last year 65%, normal 60%. Spring wheat harvested 40%, last year 40%, normal 45%. Barley 40% harvested, last year 40%, normal 40%. Potatoes 30% turning, last year 40%, normal 45%. Second cutting alfalfa 85% completed. Sweet corn (processing) harvest 50% completed. Mint harvest 90% completed, 90% 1978. Also harvesting lentils, onions, prunes, plums, hops, dry beans. Ranges improving.

ILLINOIS: Temperatures 1 to 2° below normal except extreme south 1° above normal. Precipitation excessive north, east, south, 2.00 to 8.75 in., 0.20 to 1.50 in most other areas.

Soil moisture adequate to surplus. Corn 85% dough, 82% 1978, 87% average; 37% dent, 42% 1978, 60% average; condition good. Soybeans 92% podded, 87% 1978, 90% average; 3% turning yellow, 8% 1978, 14% average; condition good. Winter wheat acreage 48% plowed, 46% 1978, 61% average. Alfalfa hay 46% cut, 44% 1978, 52% average; condition good. Pasture conditions good. Fieldwork: 3.5 days suitable.

INDIANA: Rainy week. Temperatures averaged near normal but sunshine only 25% of possible in central and south. Rainfall to 5.00 in. southwest. Average rainfall 2.00 in. south, 1.60 in. central, and 0.80 in. north.

Fieldwork: 1 day suitable. Topsoil and subsoil moisture adequate to surplus. Wheat land 20% plowed, 1978 25%, average 35%. Corn 25% dented, 1978 30%, average 45%; none mature 1979

and 1978, average 5%. Corn 90% in dough, 1978 85%, average 85%. Soybeans 5% turning yellow, 1978 5%, average 15%. Soybeans 95% set pods, 1978 90%, average 85%. Tobacco 5% harvested, 1978 5%. Silos filled 10%, 1978 15%, average 15%.

IOWA: Near-seasonal temperatures with moderate to heavy rains over all but the dry southwest, south central. Lowland flooding and standing water reported over several northern localities.

Fieldwork: 2.2 days favorable. Corn in or past dough stage 80%, 1978 98%, normal 85%; in or past dent stage 21%, 1978 37%, normal 49%. Soybean acreage leaves turning 7%, 1978 15%, normal 16%. Second crop clover hay harvested 93%, 1978 100%, normal 81%. Third crop alfalfa hay harvested 45%, 1978 43%, normal 47%. Topsoil and subsoil moisture adequate to surplus. Crop conditions declined. Livestock market movement variable, slow herd replacement.

KANSAS: Slightly cooler than normal; averages 71° northwest to 78° northeast; 2° above normal northeast, 3 to 6° below normal west. Precipitation heaviest across west and north, mostly light amounts southeast. Precipitation averaged 0.50 to 1.50 in. across west and north to generally less than 0.20 in. southeast.

Weekend rains helpful. Wheat seedbed preparation and fertilization underway. Some early wheat seeding for pasture. Corn 80% dough stage, 80% last year, 85% average; dented 35%, 35% last year, 50% average; corn mature 15%, 15% last year, 20% average. Sorghum headed 85%, 75% last year, 75% average; turning color 15%, 15% last year, 20% average. Soybeans podded 80%, 75% last year, 80% average. Third cutting alfalfa hay 90%, 85% last year, 80% average. Fourth cutting 20% completed, 15% last year. Fieldwork: 6.0 days suitable.

KENTUCKY: Temperatures averaged near to slightly below normal. Showers scattered over State each day. Totals averaged 2.00 to 3.00 in.

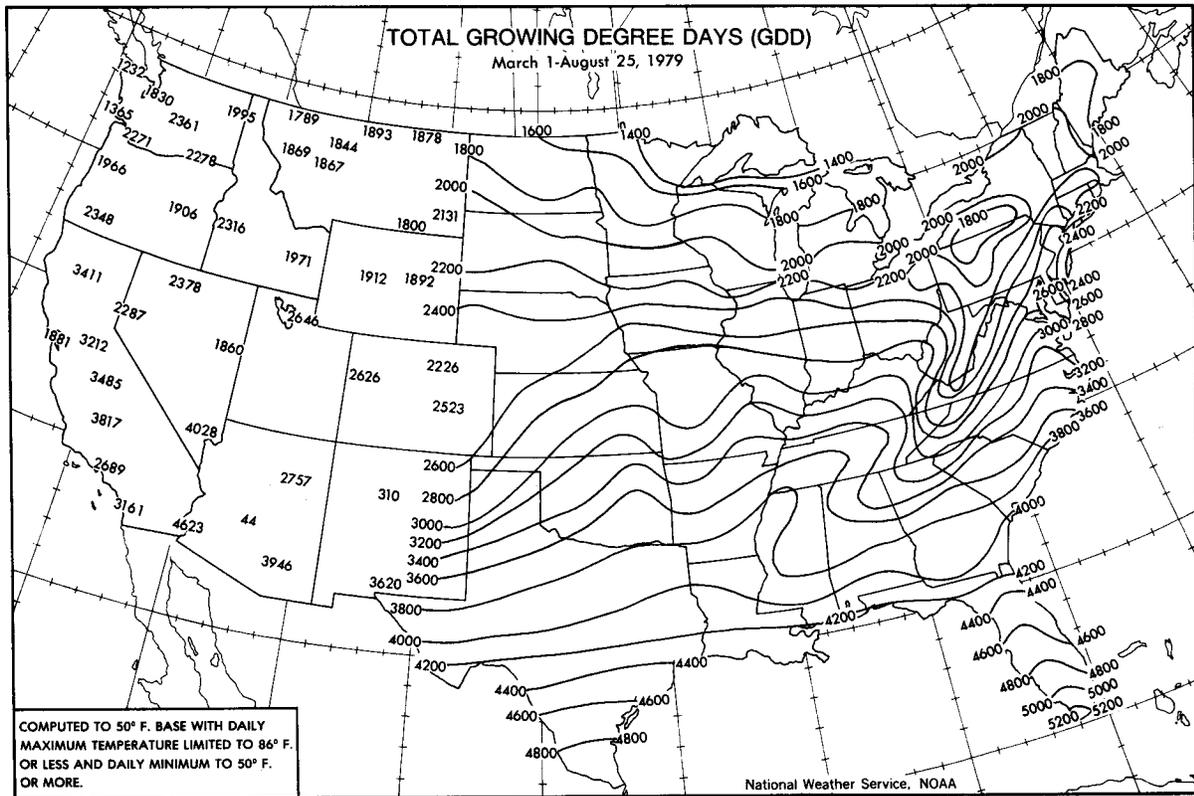
Soil moisture mostly ample. Fieldwork: 3.8 days suitable. Burley tobacco mostly fair condition with considerable concern over blue mold. Burley 85% topped and 15% cut, last year 10% cut, average 17% cut. Dark types 20% cut. Corn condition good to mostly excellent; 8% mature, 50% dented but not mature; year ago 11% mature, average 15%. Soybeans 75% podded or podding, about comparable with last year and average. Soybeans mostly good, water damage in some low-lying fields. Pastures and hay crops excellent.

LOUISIANA: Temperatures normal to 2° below normal. Extremes: 97 and 59°. Scattered showers.

Fieldwork: 5.1 days suitable. Soil moisture adequate. Soybeans good; 94% blooming, 97% last year; 79% setting pods, 87% last year. Rice fair to good; 94% headed; 71% ripe, 84% last year; 60% harvested, 71% last year, 62% average. Cotton fair to good; 2% bolls open, 17% last year. Corn fair to good; 95% mature; 35% harvested, 52% last year, 35% average. Sorghum fair to good; 80% turning color, 81% last year; 46% ripe, 41% last year; 15% harvested, 25% last year. Sweet-potatoes good; 17% dug, 24% last year, 25% average. Sugarcane good. Pecans fair to good. Hay, pastures, cattle good.

MARYLAND & DELAWARE: Temperatures averaged 2° below normal. Highs in high 70's and lows in mid-60's. Precipitation light to moderate, 0.50 to 1.50 in.

Fieldwork: 4.3 days suitable. Soil moisture supplies adequate. Fuel supplies adequate. Corn



dough stage 70%, 73% normal, 81% last year; dent stage 50%, 49% last year, 43% normal. Soybeans 90% bloomed, equal to last year, ahead of 86% normal. Third cutting alfalfa 75% complete. Tobacco harvest 35% complete.

MICHIGAN: Temperatures slightly above normal Upper, slightly below normal Lower. Precipitation totaled 1.00 to 2.00 in. west central, southwest and east central Lower. Amounts generally less than 0.50 in. elsewhere.

Fieldwork: 4 days suitable. Soil moisture adequate. Pasture feed supplies average. Corn 10% dented, 15% last year, 25% normal. Oats 75% harvested, 95% last year and normal. Wheat fields being prepared and sown for next year's crop. Dry beans 95% setting pods or more advanced. Early potato harvest 25% complete. Sugarbeets in good condition. Second cut haymaking 80% complete, same as last week. Third cut haymaking 10% complete. Summer apple and blueberry harvests 67% finished. Peaches 50% picked. Tomatoes 25% harvested. Sweet corn 50% picked. Cucumber harvest 67% complete. Harvest of most vegetable crops behind pace of a normal year.

MINNESOTA: Temperatures averaged near normal to 5° below normal. Extremes: 88 and 42°. Precipitation totals up to 1.50 in. northern half, 1.50 to 2.00 in. southwest, 2.00 to 3.76 in. east central through south central and southeast. Precipitation averaged near normal north half, 1.00 to 2.00 in. above normal south half, locally to near 3.00 in. above normal parts of east central, south central.

Rain, clouds and heavy dews again slowed small grain harvest. Lack of sunshine, excessive moisture delaying row crop development. Soil moisture surplus south, mostly adequate north.

Corn in milk 85%, 1978 99%, normal 97%; in dough 22%, 1978 87%, normal 81%. Soybeans turning yellow 1%, 1978 10%, normal 22%. Combined: Spring wheat 15%, 1978 71%, normal 74%; oats 42%, 1978 88%, normal 88%; barley 51%, 1978 92%, normal 86%; winter wheat 80%, 1978 99%, normal 99%; rye 70%, 1978 98%, normal 99%; flax 2%, 1978 12%, normal 34%. Sweet corn for processing 25% harvested, 1978 47%, normal 56%.

MISSISSIPPI: Temperatures 1 to 3° below normal. Extremes 57 and 97°. Dry early week. Scattered showers and thunderstorms rest of week.

Soil moisture adequate. Fieldwork: 4.6 days suitable. Hay and silage harvest active. Land preparation for planting small grains beginning. Soybeans 98% blooming, 97% 1978, 97% average; 73% podding, 78% 1978, 72% average; 3% turning, 5% 1978; condition good. Cotton 1% open bolls, 15% 1978, 15% average; condition fair to good. Rice 80% headed, 90% 1978, 77% average; 19% turning; condition good. Corn 97% dented, 96% 1978; 55% mature, 60% 1978; 9% harvested, 12% 1978; condition good. Sorghum 93% headed; 25% ripe, 63% 1978; 5% harvested, 18% 1978. Hay crops 75% harvested, 78% 1978, 70% average. Watermelons 97% harvested, 93% 1978. Peaches 99% harvested, 96% 1978. Sweetpotatoes 10% harvested, 27% 1978, 21% average. Peanuts 9% harvested, 23% 1978. Pecan condition fair to poor. Pasture condition good. Diesel and gasoline supplies adequate to tight. LP gas adequate.

MISSOURI: Temperatures 3° below normal Bootheel, normal elsewhere. Precipitation general but mostly light.

Fieldwork: 5.3 days suitable. Corn 88% in dough stage or beyond, last year 57%, normal 85%; 55% dented, last year 29%, normal 60%. Soybeans

89% blooming or beyond, last year 87%, normal 94%; 68% setting pods, last year 64%, normal 71%. Grain sorghum 89% headed or beyond, last year 88%, normal 85%; 8% mature, last year 13%, normal 15%. Cotton 91% setting bolls or beyond, last year 94%, normal 100%; 9% with open bolls, last year and normal 6%. Alfalfa hay-third cutting 69% harvested, last year 68%, normal 67%. Condition of corn and soybeans mostly good. Condition of pasture mostly fair to good. Soil moisture supplies short to adequate. LP gas, diesel fuel and gasoline supplies mostly adequate.

MONTANA: Very warm west of Divide as temperatures averaged more than 5° above normal. East of Divide temperatures a few degrees above normal in northern sections and a few degrees below normal in south. Precipitation quite general except northeast remained very dry. Some areas in central had 2.50 to 3.00 in. rain during latter part of week.

Soil moisture short. Fieldwork: 6 days suitable. Harvest of spring grains nearing half way point. Winter wheat harvested 90%, 85% 1978, 80% average. Spring wheat harvested 30%, 30% 1978, 40% average. Barley harvested 30%, 25% 1978, 45% average. Oats harvested 45%, 40% 1978, 50% average. Second cutting alfalfa 65% complete; wild hay 90% cut. Prospective supplies hay and forage mostly adequate for coming winter. Cattle 10% moved from summer ranges; 5% of sheep moved.

NEBRASKA: Precipitation heavy west and north, amounts over 1.00 in.; southeast averaged only 0.25 in. Temperatures 2 to 3° below normal.

Corn dough 70%, year ago 70%, normal 85%. Sorghum heading complete; turning 15%, year ago 15%, normal 35%. Soybean podding near completion; leaves turning over 5%, year ago less than 5%, normal less than 5%. Alfalfa third cutting 50% complete, year ago 65%. Dry beans turning; a few fields windrowed. Fieldwork: 5.5 days suitable. Diesel fuel 85% adequate, 15% tight; gasoling 90% adequate, 10% tight; LP gas adequate. Some feeder cattle beginning to move to market.

NEVADA: Unseasonably cool with scattered thunder-showers. Drier weather returned near end of week. Temperatures averaged few degrees below normal. Extremes: 103 and 29°.

Small grain harvest good progress. Second cutting alfalfa hay about finished north. Fifth cutting underway southern valleys. Cantaloup harvest underway Fallon area.

NEW ENGLAND: Weak high pressure areas dominated, with one weak frontal system late week. Temperatures averaged near to slightly above normal. Precipitation amounted to 1.00 in. on 24th, 25th.

Cool temperatures slowed crop development. Some field corn may not be mature by first frost. Tomatoes continue to ripen slowly. Sweet corn in good supply and very good quality. Apples, cranberries sizing well. Maine blueberry harvest winding down. Soil moisture short to surplus. Grazing short to good. Fuel supplies adequate to tight.

NEW JERSEY: Temperatures averaged near normal. Extremes: 51 and 90°. Rainfall averaged 0.48 in. north, 0.89 in. central, 1.03 in. south. Soil moisture in percent of field capacity averaged 67% north, 69% central and 70% south. Soil temperature 72° north, 75° central and south.

Fieldwork: 5.6 days suitable. Planting underway for alfalfa and fall grains. Scattered showers continue to maintain soil moisture on adequate level. Summer vegetable volumes declining. White potato digging continued moderate. Fall variety

apple harvest to begin next week. Peach harvest active, late varieties starting. Third cutting hay being made as weather conditions permit. Corn silage harvest beginning. Pasture growth good.

NEW MEXICO: Little or no rain central and west; scattered showers eastern plains with totals mostly less than 1.00 in. Temperatures near to a few degrees cooler than normal with little day-to-day trend.

Field activity resumed as fields dried from previous week rains. Crop development advanced with some scattered hail damage to cotton, sorghum, corn. Cotton continued squaring and setting bolls, but two to three weeks late. Alfalfa cutting resumed, 20% 4th cut in south, and well advanced 2d and 3d cuts north. Corn, grain sorghum good to excellent. Sorghum heading 40% on irrigated acreage, 90% last year. Corn 80% dough stage, about normal. Planting winter wheat starting, good soil moisture. Harvest early apples, green chile underway, onions winding down. Some new planted fall lettuce lost to previous week rain. Ranges, livestock good.

NEW YORK: Temperatures slightly above normal. precipitation variable, heaviest in Adirondacks, lightest in Catskills.

Wheat harvest complete. Oat harvest 75% complete, 80% 1978. Second cutting alfalfa 80% done, 85% 1978. Third cutting alfalfa 20% cut, 10% 1978. Early apple harvest underway. Bartlett pear harvest beginning in Hudson Valley.

NORTH CAROLINA: Temperatures 2° above normal; highs between 80's and low 90's, lows between 60's and low 70's. Precipitation scattered thunder-showers; mountains 2.00 to 3.00 in., elsewhere 0.75 to 1.50 in.

Fieldwork: 5.4 days suitable. Soil moisture short to adequate. Condition of tobacco, peanuts, soybeans, and hay crops fair to good. Corn, cotton, Irish potatoes, sweetpotatoes 8%, 1978 11%, average 10%; corn for grain 7%, 1978 5%, average 5%; corn for silage 32%; apples 21%, 1978 22%, average 20%. Phenological stages: Corn dent 77%, corn matured 61%; soybeans flowered 75%, soybeans set pods 38%; cotton open bolls 10%.

NORTH DAKOTA: Temperatures averaged 2 to 8° below normal. Extremes: 86 and 39°. Significant rainfall over east and south. Generally over 0.50 in. except northwest, most widespread southwest.

Rain slowed progress of small grain harvest, but northwest and north central still quite dry. Warm, dry weather needed many areas to hasten maturity of late small grains and row crops. Percents swathed or combined to date, last year, and average: Hard red spring wheat 51, 80, 76; durum wheat 28, 64, 60; oats 72, 88, 86; barley 78, 93, 88. Sunflower showing some drought stress northwest and north central; six percent of sunflower not yet in bloom, last year 2%, average 3%. Flowers 21% dried or dropped, last year 58%. Grain storage availability a major concern, already some grain stored on ground.

OHIO: Wet and cool weather.

Fieldwork at a standstill. Blue mold showing in few tobacco fields. Smut noticeable in corn. Livestock good, benefiting from cool weather. Accumulated growing degree days as much as 325 below normal. Some soybean acreage yellowing. Corn dough stage 65%, 70% 1978, 80% average. Corn early dent 25%, 35% 1978, 45% average. Soybeans pods fully set 65%, 60% 1978, 70% average. Corn for silage harvest 5%, 5% 1978, 10% average. Tobacco topped 65%, 75% 1978, 65% average. Alfalfa,

third cutting 30%, 35% 1978, 40% average. Potato harvest 25%, 25% 1978, 30% average. Fieldwork: 1.5 days favorable. Pasture condition good. Soil moisture surplus.

OKLAHOMA: Temperature averaged 2 to 4° below normal. Rainfall generally heavy with all sections receiving some rainfall. Averages mostly 1.00 in. With southwest recording an average of 3.05 in.

General rains, cool temperatures should help alleviate heat stress. Wheat seedbeds prepared 30%, 25% 1978, 40% average. Sorghums heading 80%, 80% 1978, 95% average; milk to soft 30%, 40% 1978, 60% average; mature 5%, 5% 1978, 15% average. Cotton setting bolls 90%, 90% 1978, 85% average. Fieldwork: 5.7 days suitable.

OREGON: Rain fell all areas. Amounts variable from a few hundredths to over 2.00 in. Temperatures about normal or slightly above.

Soil moisture supplies vary short to mostly adequate west, mostly short east. Winter wheat harvest 95% complete; slowed by rains. Few red clover and bentgrass seed fields left to be harvested; other fields being burned, plowed, and seeded. Mint harvest in progress. Hops harvest continuing. Bartlett pear harvest in full swing in Hood River Valley; size and quality good. Peach and apple harvests continuing. Evergreen blackberry and blueberry harvest continuing. Cranberries sizing well in Coos County. Walnuts look good. Filbert sprays being applied. Snap bean harvest winding down; sweet corn harvest well underway. Onion harvest underway in Malheur County; starting in west. Early potato harvest continuing, later fields developing normally. Livestock fair to mostly good condition. Range and pasture condition vary from poor to good. Recent rains helped green pastures, lessen fire danger, and improved fall feed prospects.

PENNSYLVANIA: Warm, muggy with abundant afternoon and evening shower activity. Temperatures near to 4° above normal. Extremes: 43 and 90°. Almost daily showers and thunderstorms produced rainfall of 1.00 to 2.00 in. most areas ranging from less than 0.25 in. extreme east to nearly 4.00 in. parts of south central mountains.

Fieldwork: 5 days suitable. Soil moisture adequate to surplus. Activities: Hay making; fall plowing; repairs; alfalfa seeding; harvest of potatoes, tobacco, oats, fruits and vegetables. Some fall seeding of wheat and barley. Oats 92% combined, last year 88%. Tobacco 25% cut, 17% last year. Potatoes 30% dug, last year 22%. Corn 53% dough, last year 55%, average 51%; 13% dented, last year 13%, normal 17%. Fall plowing 24%, last year 20%. Barley and wheat sown under 5%. Alfalfa second cut 82%, third cut 31%. Clo-tim second cut 65%. Hay quality mostly fair to good. Feed from pastures average.

PUERTO RICO: Island average rainfall 1.99 in. or 0.28 in. above normal. Temperatures averaged about 81° on coasts and 76° interior. Extremes: 98 and 59°.

SOUTH CAROLINA: Warmer, wetter than usual. Temperatures first part of period in 90's. Rainfall as scattered thunderstorms throughout much of period.

Corn condition good. Some earworm damage late crop; 84% mature, 86% last year, 79% average; 34% harvested, 29% last year, 30% average. Cotton condition fair to good, insect pressure building but not severe; fruit shedding continued in dry areas. Soybean condition fair to good; 94% blooming, 85% last year and average; 72% setting

pods, 62% last year and average; shedding of blooms and small pods serious in dry areas, other areas that received showers improved over last week. Tobacco harvest 97% complete, 90% last year. Peach harvest virtually complete. Apple condition good to excellent, harvest active; 27% harvested, 25% year ago, 29% average. Grapes fair to good; 63% harvested, 88% last year, 70% average. Sorghum fair to good, some insect damage. Pastures fair, improving with showers.

SOUTH DAKOTA: Average temperatures: 2 to 9° subnormal. Extremes: 91 and 31°. Measurable rain for most of State.

Cool, damp weather continued to delay small grain harvest. Row crop development slowed. Quality of remaining small grain suffering. Grasshopper and armyworm activity continued. Blackbirds damaging some fields. Fall field preparation underway. Fieldwork: 3 days suitable. Grain transportation and storage problems are a concern. Farm fuel supplies mostly adequate and improved. Topsoil moisture surplus in parts of east, shortages in part of north central, south central and west central; elsewhere, adequate. Flax 68% ripe, 1978 65%, average 85%. Winter wheat 100% harvested, 1978 100%, average 100%. Rye 88% harvested, 1978 100%, average 100%. Oats 84%, 1978 100%, average 100%. Spring wheat 68% harvested, 1978 90%, average 98%. Barley 85% harvested, 1978 100%, average 100%. Alfalfa 2d cutting 85% harvested, 1978 86%, average 96%. Flax 15% harvested, 1978 39%, average 61%. Corn 57% in dough or beyond, 1978 65%, average 71%. Corn 14% dented and beyond, 1978 24%, average 34%. Sunflowers 90% in bloom or past. Soybeans 87% podded, 1978 100%, average 97%. Soybeans 3% shedding leaves, 1978 10%, average 2%. Sorghum 88% headed, 1978 87%, average 88%. Sorghum 28% showing color, 1978 28%, average 24%.

TENNESSEE: Fair weather early week, showers week-end. Amounts averaged 1.50 in. east, 2.00 in. west. Temperatures 2° above normal.

Soil moisture adequate. Fieldwork: 4.5 days suitable. Pastures, corn, soybeans, good condition. Cotton and tobacco fair. Blue mold on tobacco a problem. Corn dent stage 59%, 1978 72%, average 72%; mature 9%, 1978 21%, average 22%. Cotton open bolls 4%, 1978 8%, average 8%. Soybeans setting pods 85%, 1978 77%, average 62%. Burley tobacco harvested 34%, 1978 19%, average 32%. Lespedeza hay harvested 49%, 1978 45%, average 45%. Second crop snap beans 50% harvested. Tomato harvest virtually complete. Apple harvest just beginning.

TEXAS: Cold front entered Panhandle 21st moved East, South Central Texas dissipating by weekend. Thunderstorm activity Statewide heavier amounts vicinity of front. Temperatures above normal Southeast Texas; normal South Texas, eastern Panhandle; below normal Southwest, North Central, Northeast, Northwest Texas. Rainfall below normal West Texas; near normal South Texas; above normal East, North Central Texas, Northwest Texas, South Texas.

Parts of High Plains received damaging half accentuated by accompanying high winds. Showers Statewide alleviating dry conditions on Cross Timbers but delaying rice harvest along Coast and haying in East Texas, Trans Pecos. Northern Panhandle, portions of Edwards Plateau, parts of South Texas currently areas with less than adequate moisture. Cotton boll set reached 90% on Plains. Hail, high winds dampened crop prospects on southern High Plains although crop remains good condition Statewide. Beneficial insects keeping

harmful ones under control though spraying for bollworm, boll weevil Central Texas. Harvest winding down Lower Rio Grande Valley where 90% picked. Stripping centered Coast, South Texas. Sorghum harvest 50% complete Statewide though showers interrupted harvesting. Midge control confined late planted Panhandle, Blackland fields. Corn harvest 25% complete. Panhandle producers sprayed fields to control spider mite. Silage cutting active Panhandle. Soybeans setting pods. Peanut prospects boosted by rains Cross Timbers. Some producers spraying leaf spot. Harvest confined to South, South Central. Wheat producers preparing land fall seeded crop. Adequate soil moisture should help planting progress smoothly. Planting confined High Plains thus far. Rice harvest curtailed by rain. Some producers fertilizing for second cutting. Rains caught hay curing East Texas. Alfalfa caught Trans Pecos. Cotton setting bolls 96%; open bolls 15%; harvested 8%, 14% 1978, 10% average. Rice harvested 96%, 93% 1978, 88% average. Sorghum headed 95%; turning color 73%; mature 64%; harvested 58%, 66% 1978, 57% average. Wheat planted 2%, 1% 1978, 1% average. Corn harvested 25%, 35% 1978, 27% average. Peanuts harvested 18%, 12% 1978, 11% average. Sunflowers harvested 0%, 4% 1978, 2% average.

Lower Rio Grande Valley, land preparation planting fall vegetables continued. Early planted vegetables growing well. Citrus producers continued to water and spray groves. San Antonio-Winter Garden planting fall vegetables about complete. Eagle Pass, cabbage, cauliflower, peppers, cucumbers for pickles, cantaloups making good growth. Tomatoes reflected some insect damage. Laredo, cabbage being thinned growing well. Cucumbers for pickles and carrots planted. Preparation planting onions continued. East Texas, harvest cantaloups, watermelons, peas, okra continued; volume began taper off. Planting fall vegetables active. Moisture conditions excellent. Sweetpotatoes looking good. Central Texas, preparation planting fall vegetables continued. North Texas, supplies okra, cantaloups, parsley, tomatoes, watermelons available but diminishing. Limited acreage sweetpotatoes continued available Flomot area. Planting fall vegetables widespread. High Plains, vegetable areas escaped serious damage from hail storms. Harvest bell peppers, cucumbers, cabbage, cantaloups, watermelons active. Harvest most potatoes and onions completed. Trans Pecos, harvest cabbage, onions, melons active as were cantaloup and tomato harvest. Harvest bell peppers began. Peach supplies about depleted. Pecans sprayed for sticky shuck, scab diseases, weevils. Prospects remain good to excellent.

Livestock pastures continue benefit from above normal rainfall below normal temperatures. Movement cattle and calves slow as forage remains plentiful. Baling hay active. Some sheep and goats sheared. Preparation for planting small grain for grazing continued.

UTAH: Raising trend temperatures latter part of period but averaging from near normal to 8° below. Few scattered showers and thunderstorms forepart period. Accumulated amounts variable but locally heavy. Local areas flash flooding caused extensive damage to homes and agricultural crops in spotty areas along Wasatch front.

Soil moisture nonirrigated lands remain short. Fieldwork: 6.4 days suitable. Alfalfa seed fair with 10% of major area harvested and 20% elsewhere. Small grain harvest slowed by rain; 80% winter wheat harvested, snap beans 60% harvested. Canning tomato harvest just starting. Range condition fair with winter outlook fair. Water hauling unnecessary in some areas. Fuel

supplies remain generally adequate. Peach and pear harvest underway with outlook fair to good. Peaches slow maturing.

VIRGINIA: Hot, humid; becoming more so at end of period. Temperatures averaged slightly above normal. Extremes: mid-50's to low 90's. Rainfall moderate occurring as daily showers, thunderstorms, varying from none to over 4.00 in., average about 0.75 in.

Topsoil moisture mostly adequate. Fieldwork: 4.5 days suitable. Fuel supplies mostly adequate for farmwork. Corn condition good; silage harvests expanding; grain harvests less than 1%, over 1% 1978, 4% usual; Tidewater, southeast corn combining 1% done, 2% 1978. Soybean, pasture prospects good. Tobacco mostly good; burley fair; flue-cured pulling 40% done, 34% 1978, 42% average; fire-cured 43% harvested, 9% 1978, 26% usual; burley 15%, 2% 1978, 15% usual; sun-cured 30%, 6% 1978, 23% average. Apple picking 10% done, 5% 1978. Peach picking, Eastern Shore tomato, potato harvests ending. Cattle tagged, vaccinated for fall sales.

WASHINGTON: West: Temperatures normal 4° above. Precipitation much above normal. Corn, potatoes, cukes, cauliflower being harvested. Blueberry and blackberry harvests also underway.

East: Temperatures normal to 2° above. Precipitation well above normal.

Red Delicious apples getting good size and color. Good crop Bartlett pears being harvested. Mint, sweet corn, and potato harvests continued. Alfalfa seed and hops harvests starting. Some early fall seeding reported. Grain harvest mostly completed. Wheat harvested 95%, 1978 88%.

WEST VIRGINIA: Temperatures slightly above normal. Extremes: 89 and 51°. Precipitation above normal. Flooding in Weirton.

Soil moisture mostly adequate. Fieldwork: 2.4 days suitable. Maine farm activities: Haying, clipping pasture. Oats harvested 86%, average 89%, 1978 80%. Corn mostly good, needs sun. Earworms, armyworms in late planted corn. Hay 2d cutting 50%, 58% average 63% 1978. Needs dry weather, losses reported due to rain after cutting. Fuel supply adequate. Livestock reported in good shape.

WISCONSIN: Temperatures near normal during mild, wet week. Highs in 70's except few 80's 22d. Cloud cover kept overnight lows in 50's and 60's except some 40's 25th. Extremes: 84 and 42°. Rainfall substantial as showers and thunderstorms occurred every day somewhere in State. All areas had 1.00 to 2.00 rain except west central where local amounts exceeded 3.50 in.

Rains and wet fields hindered fieldwork; only 2 days suitable. Oat harvest 50% completed, 1978 85%, normal 85%. Lodged grain and weed growth making difficult combining conditions. Harvest delays lowering quality and increasing shelling. Haying interrupted by rains and poor drying conditions. Some second crop spoiled and chopped back on fields. Third crop growth good and a little being harvested. Pasture conditions well above normal. Lack of sunshine slowing maturity of corn and soybeans. Corn 35% in dough, 1978 60%, normal 55%; very little corn dented, 1978 30%, normal 25%. Yield potential very good for corn if frost holds off for at least another month. Soybeans promising but also need late frost. Tobacco growth good but wet weather interfering

(continued on page 16)

World Weather and Crop Update

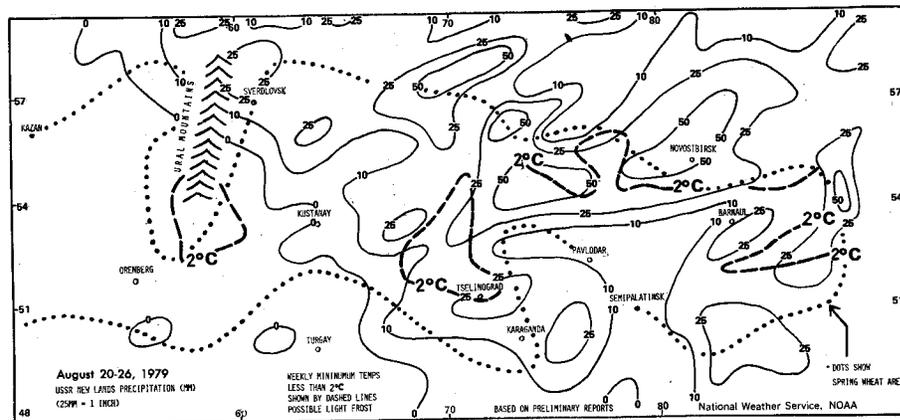
August 20 - 26

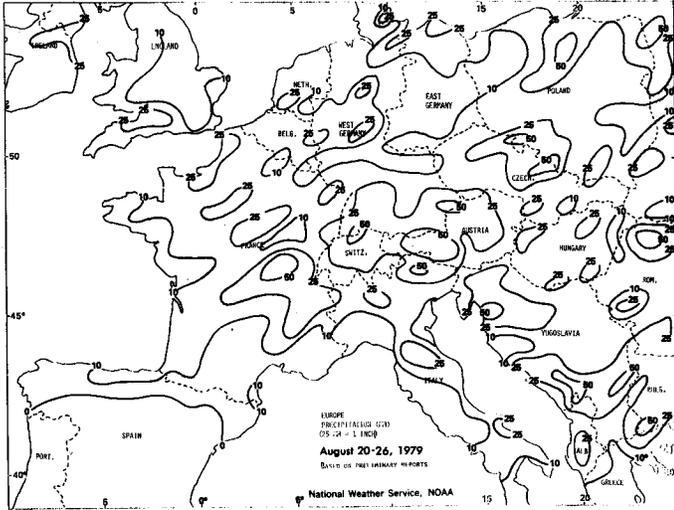
HIGHLIGHTS:

- USSR. Harvesting spring grains...rain in some areas. Sowing winter grains...some areas too dry.
- EUROPE. Small grain harvest nearing completion...continued above-normal rains.
- CHINA. Intermediate rice turning color*...wet in the south; drier in the north.
- INDIA. Rice heading in the north*...insufficient water in the northwest. Rice jointing in the southeast*...water supplies short.
- AUSTRALIA. Grains jointing*...moderate rains in South Australia.
- ARGENTINA. Grains jointing*...dry soils in some areas.
- CANADA. Harvesting grains...generally favorable weather.

*Based on normal crop calendar information.

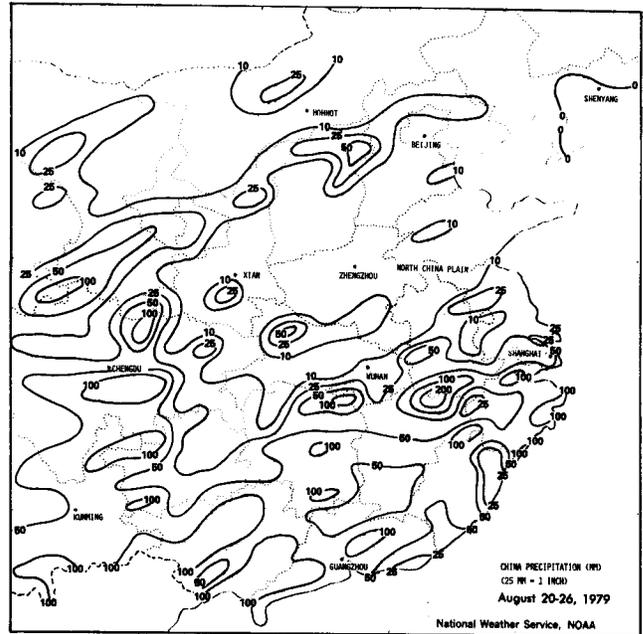
USSR. Rainy weather returned to grain-harvest areas north of Minsk disrupting fieldwork again. Although this is a relatively minor grain-production area, every little bit counts this year, and the crop there is only about halfway harvested. Variable rainfall in the Ukraine complemented last week's totals, and most areas there should have adequate soil moisture for winter-grain germination. Some locations to the northeast, in the black soils area and Volga Valley, are too dry for successful sowing. Temperatures in the North Caucasus soared to the mid-thirties (°C), but soil moisture is good there, and crops are advanced enough that their moisture needs have become minimal. In the New Lands, rainfall across northern parts of the grain belt (Sverdlovsk to Omsk to Novosibirsk) might still be regarded as beneficial to the crops. However, above-normal rains near Tselinograd and east of Kustanay have caused some problems at least with the harvest. Patchy frost continued, but it should have only minor impact.



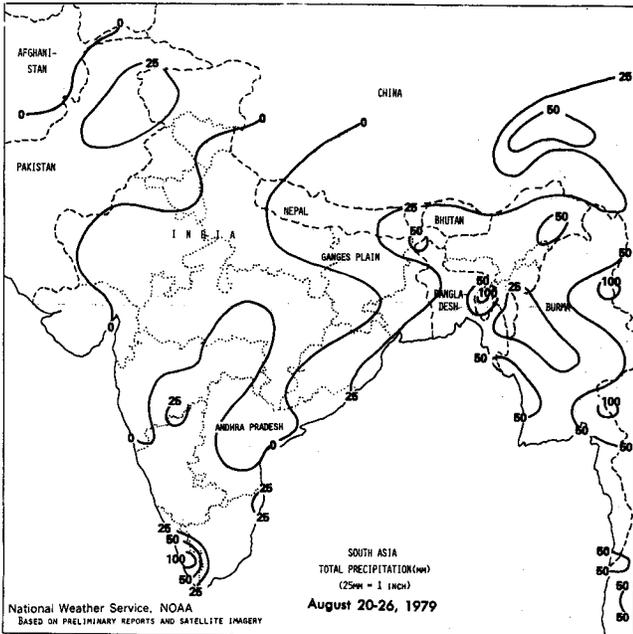


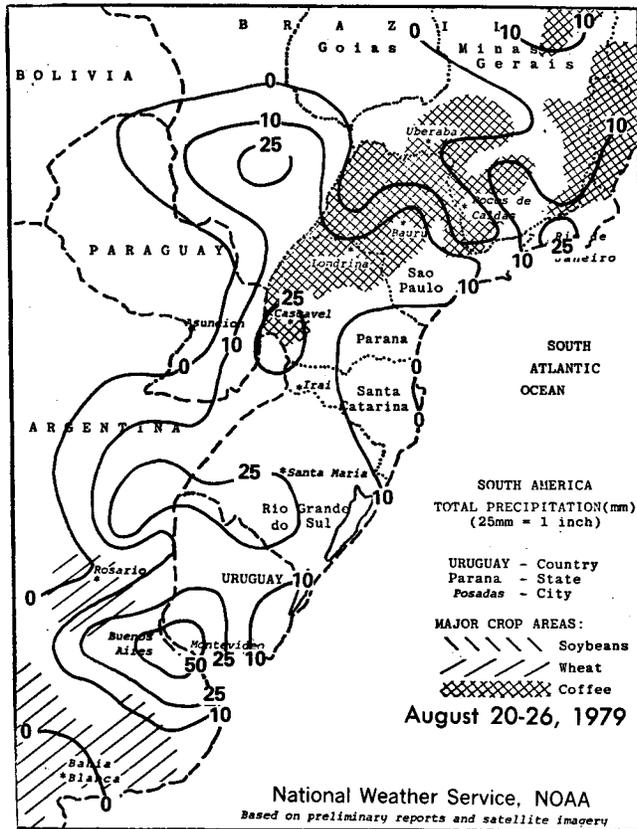
EUROPE. Last week's pattern of above-normal rainfall in eastern France, northern Italy, and south-eastward continued this week but with somewhat lower totals. Spring-sown crops nearing maturity probably still benefited from the additional moisture. Late-season harvesting of small grains in West Germany and Poland was disrupted again by above-normal rains. The abundant precipitation in the Alps was normal for this season.

CHINA. The weather cleared somewhat over most of the North China Plain, as spring-planted crops neared maturity. Harvest activities in southern parts of the plain were likely disrupted by rainfall in some localities. The band of greatest totals shifted southward and covered most of the double-crop rice area with abundant rains. The outlook for the second rice crop has improved immensely from the rains of these past two weeks.

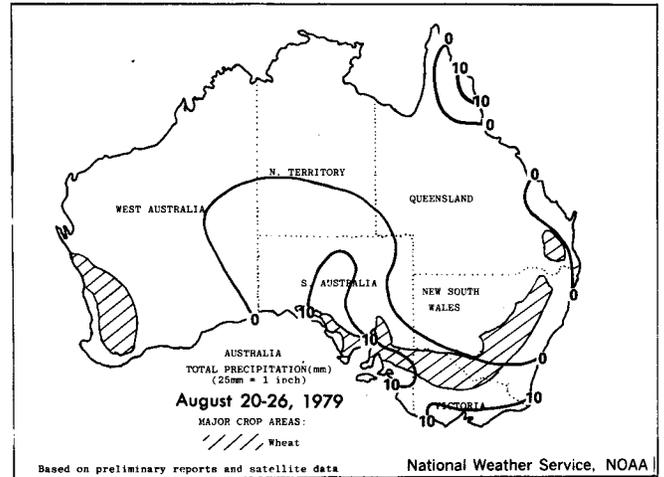


INDIA. Nearly all agricultural areas received insufficient rainfall last week. Abundant rains during the previous week in Bangladesh and eastern portions of the Ganges Plain carried the rice crop through, but moisture deficiencies in Andhra Pradesh and western portions of the Ganges Plain have become acute. Reports of crop stress are increasing in both areas.



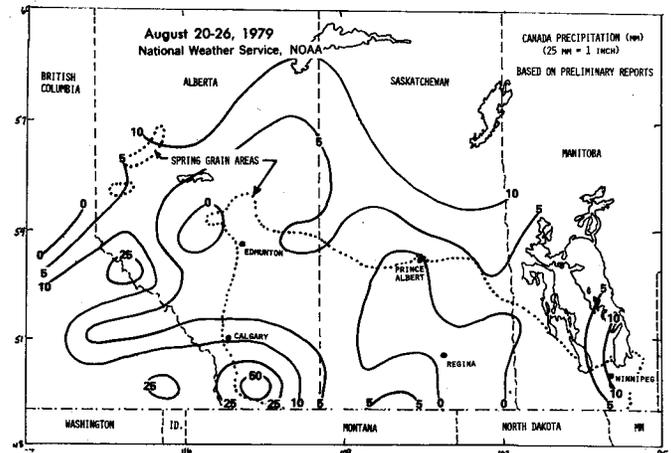


AUSTRALIA. A frontal system moving across South Australia brought some relief to moisture-deficient crops there, as twice-normal rainfall totals occurred. Only light amounts fell to the east, but the front may drop more rain as it pushes through. Growing conditions seem to be improving but only very gradually.

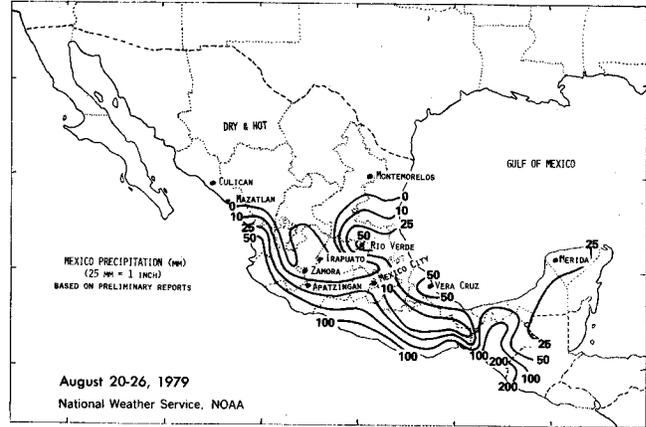


S. AMERICA. Most crop areas in southern Brazil received near-normal rainfall, maintaining good soil-moisture levels. Much-above-normal rains fell in the vicinity of Buenos Aires, and although extensive portions of the grain-growing area remained relatively dry, soil moisture should be adequate for the time-being, except in the south-western corner.

CANADA. Grain harvesting became widespread in the Prairie Provinces under generally favorable conditions, with only some localized disruption due to rain in southern Alberta. Light frost was reported occasionally during the week, but little damage is expected.



MEXICO. Hot, dry conditions prevailed over most West Coast production areas where tomatoes and cucumbers were being planted. Culican was unusually dry and sunny; temperature highs averaged 36°C and lows 20°C; relative humidity ranged from 48% during the mid-afternoons to 85% at sunrise. Showers fell south of Mazatlan with seasonal heavy amounts along the southern coastal strip. A tropical area of showers, intensifying in the southwestern Gulf of Mexico late in the week, triggered heavy precipitation (89 mm) at Vera Cruz. Beneficial rains (up to 50 mm) fell in the Rio Verde citrus area. Montemorelos citrus orchards remained hot and dry. Light showers dotted strawberry fields around Zamora and Irapuato, but harvesting for processing was about completed for the season.

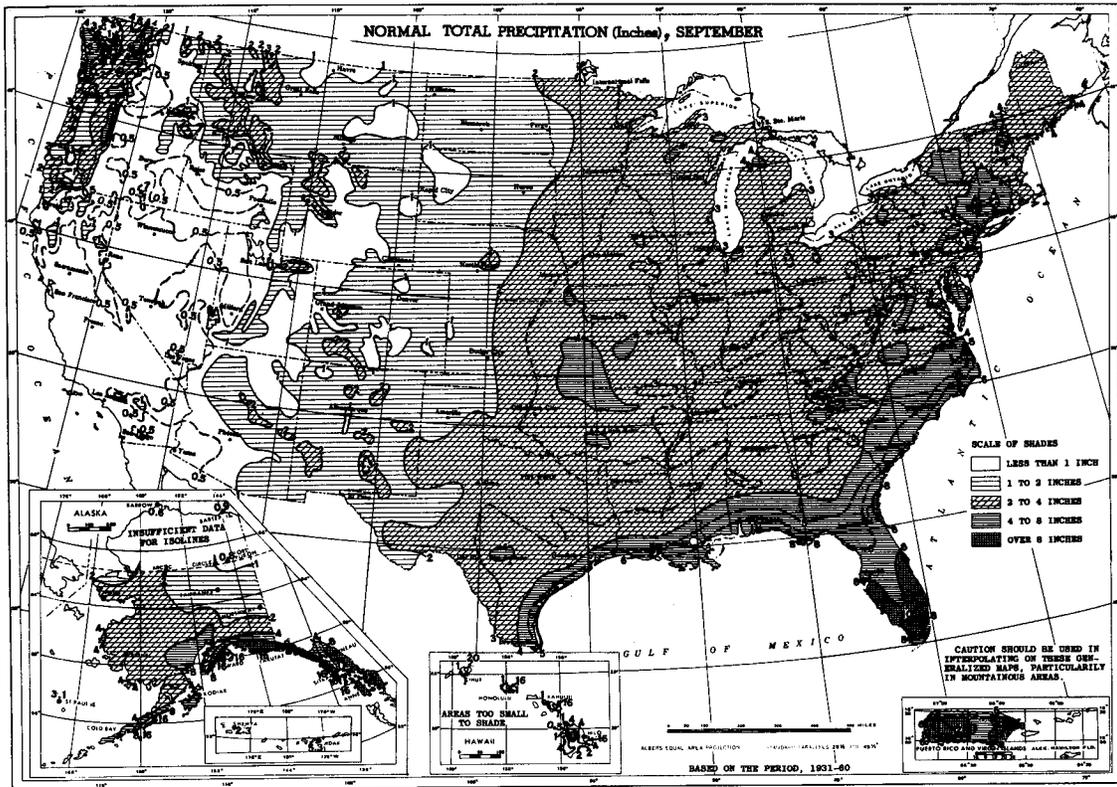


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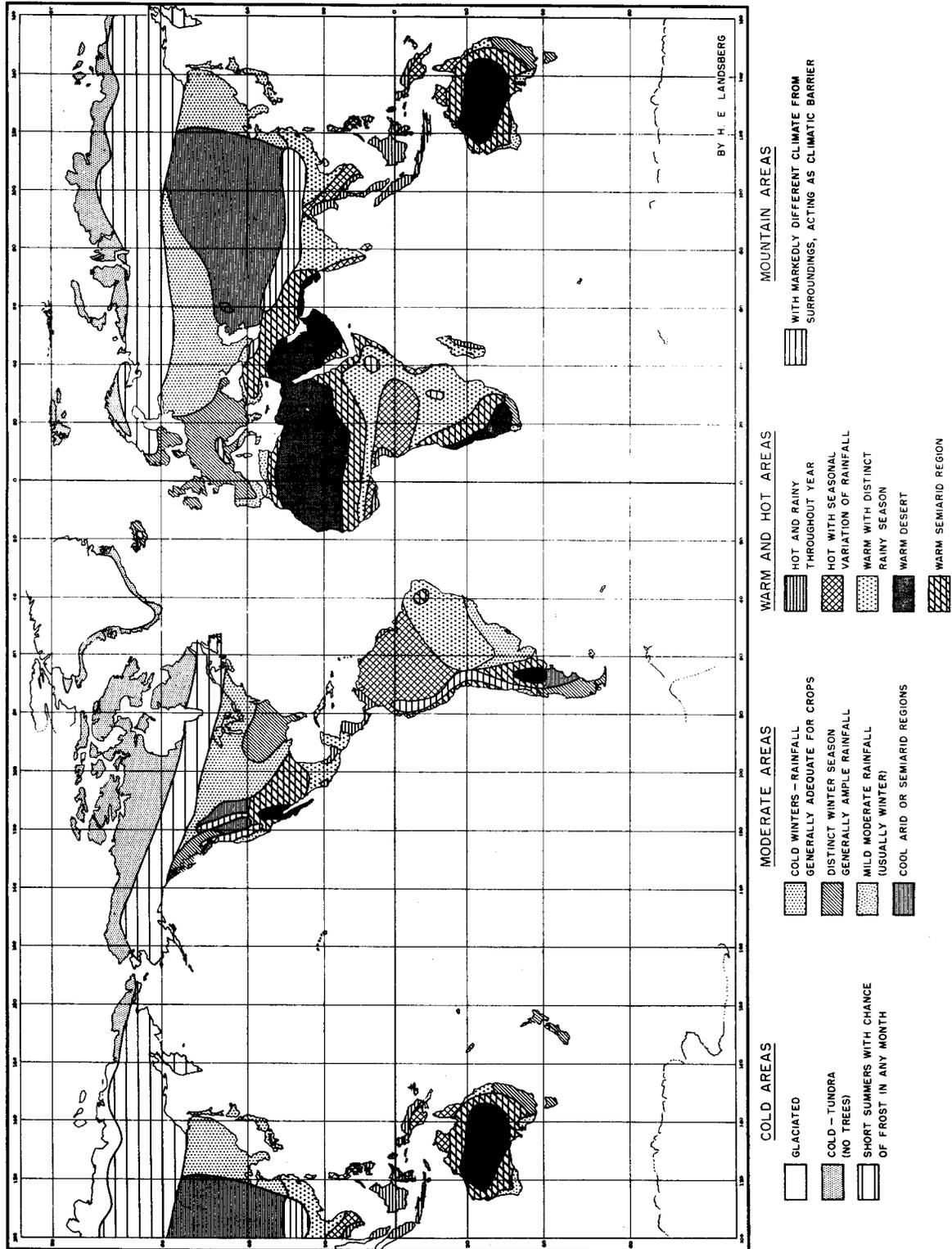
with harvest. Sweet corn and other vegetables being harvested where field conditions allow. Early apples being picked, crop down from last year. Cranberries look good. Soil moisture adequate to surplus except some shortages northwest.

WYOMING: Temperatures cooler than normal. Precipitation above normal. Soil moisture adequate. Winter wheat harvested 94%. Spring wheat mature 73%; harvested 40%.

Oats turning color 91%, mature 63%; harvested 38%. Barley turning color 97%; mature 80%; harvested 51%. Dry beans most setting pods; leaves turning color 32%. Corn for grain mostly dough stage with some denting. Prospects row crops fair to mostly good. Winter wheat 12% seeded for 1980 crop. Alfalfa second cutting 57% complete; third cutting 4% complete. Other hay 81% cut. Stored feed supplies average to above average. Livestock producers expected to winter 3% more cattle, 10% more sheep.



MAJOR CLIMATIC SUBDIVISIONS OF THE EARTH'S LAND AREAS



Note: Boundaries between areas should be regarded as broad transition zones

CROP DEVELOPMENT
FOR WEEK ENDING AUGUST 26

	CORN DOUGH STAGE		
	1979	1978	AVG.
COLO	NA	NA	NA
GA	NA	NA	NA
ILL	85	82	87
IND	90	85	85
IOWA	80	98	85
KANS	80	80	85
KY	NA	NA	NA
MICH	NA	NA	NA
MINN	22	87	81
MO	88	57	85
NEBR	70	70	85
NC	NA	NA	NA
OHIO	65	70	80
PA	53	55	51
S DAK	57	65	71
VA	NA	NA	NA
WISC	35	60	55

	CORN DENT STAGE		
	1979	1978	AVG.
COLO	NA	NA	NA
GA	NA	NA	NA
ILL	37	42	60
IND	25	30	45
IOWA	21	37	49
KANS	35	35	50
KY	50	NA	NA
MICH	10	15	25
MINN	NA	NA	NA
MO	55	29	60
NEBR	NA	NA	NA
NC	77	NA	NA
OHIO	25	25	45
PA	13	13	17
S DAK	14	24	34
VA	NA	NA	NA
WISC	17	30	25

	SOYBEAN POD SET		
	1979	1978	AVG.
ALA	82	73	NA
ARK	54	58	NA
GA	NA	NA	NA
ILL	92	87	90
IND	95	90	85
IOWA	NA	NA	NA
KANS	80	75	80
KY	75	75	75
LA	79	87	NA
MICH	NA	NA	NA
MINN	NA	NA	NA
MISS	73	78	72
MO	68	64	71
NEBR	NA	NA	NA
NC	38	NA	NA
OHIO	NA	NA	NA
SC	72	62	62
TENN	85	77	62

CORRECTION FOR W/E AUGUST 19
OHIO 45 60 65

CORRECTION FOR W/E AUGUST 19
ARK 33 42 NA
OHIO NA NA NA

	COTTON OPEN BOLLS		
	1979	1978	AVG.
ALA	17	NA	NA
ARIZ	NA	NA	NA
ARK	17	NA	NA
CALIF	8	NA	NA
GA	22	16	NA
LA	2	17	NA
MISS	1	15	15
MO	9	6	6
N MEX	NA	NA	NA
NC	10	NA	NA
OKLA	0	0	0
SC	NA	NA	NA
TENN	4	8	8
TEX	15	NA	NA

	GRAIN SORGHUM HEADED		
	1979	1978	AVG.
COLO	86	92	NA
KANS	85	75	75
MO	89	88	85
NEBR	100	NA	NA
OKLA	80	80	95
S DAK	88	87	88
TEX	95	NA	NA

	GRAIN SORGHUM COLORING		
	1979	1978	AVG.
COLO	NA	NA	NA
KANS	15	15	20
MO	NA	NA	NA
NEBR	15	15	35
OKLA	NA	NA	NA
S DAK	28	28	24
TEX	73	NA	NA

HARVEST PROGRESS
FOR WEEK ENDING AUGUST 26

	SPRING WHEAT		
	1979	1978	AVG.
IDAMO	40	40	45
MINN	15	71	74
MONT	30	30	40
N DAK	51	80	76
S DAK	68	90	98
5 STATES	43	69	71

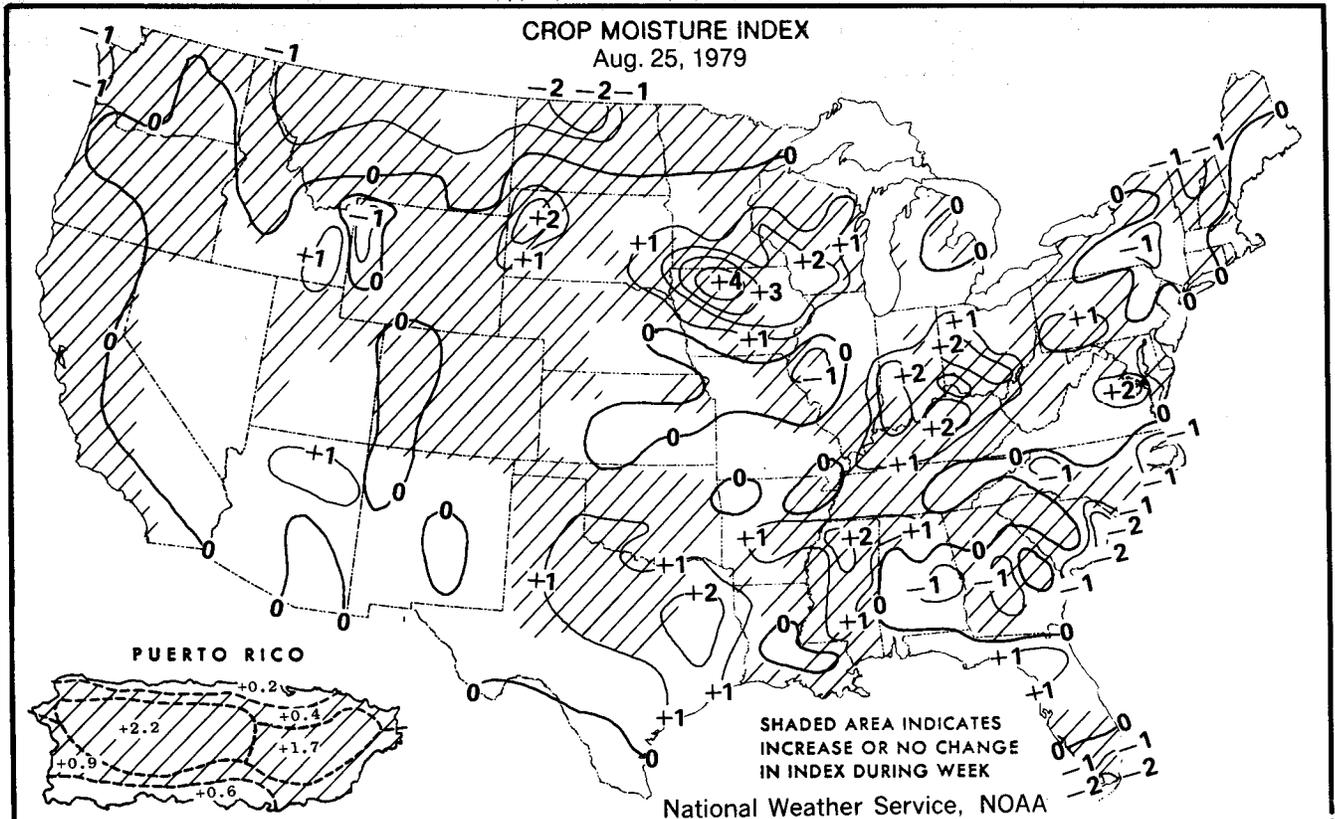
THESE 5 STATES PRODUCED 95%
OF THE 1978 SPRING WHEAT
CROP EXCLUDING DURUM.

	RICE		
	1979	1978	AVG.
ARK	17	NA	NA
CALIF	0	0	0
LA	60	71	62
MISS	NA	NA	NA
TEX	96	93	88
5 STATES	27	29	26

CORRECTION FOR W/E AUGUST 19
MISS 0 0 0

THESE 5 STATES PRODUCED 99%
OF THE 1978 RICE CROP.

17 LESS THAN 5%
NA NOT AVAILABLE



The Crop Moisture Index measures the degree to which moisture requirements of growing crops were met during the previous week. The index is computed from average weekly values of temperature and precipitation. These values are used to calculate the potential moisture demand. Taking into account the previous soil moisture condition and current rainfall, the actual moisture loss is determined.

If the potential moisture demand, or potential evapotranspiration, exceeds available moisture supplies, actual evapotranspiration is reduced and

the CMI gives a negative value. However, if moisture meets or exceeds demand the index is positive.

Shaded areas indicate the index was unchanged or increased from the previous week's value; soils dried in the unshaded areas. Centers of positive and negative areas are identified by W for wet and D for dry.

Local moisture conditions may vary because of differences in rainfall distribution or soil types. The type of agriculture and stage of crop development must be considered when assessing the impact of moisture conditions based on the Crop Moisture Index. Some general guidelines follow.

UNSHADED AREAS: INDEX DECREASED	
ABOVE 3.0	SOME DRYING BUT STILL EXCESSIVELY WET
2.0 to 3.0	MORE DRY WEATHER NEEDED, WORK DELAYED
1.0 to 2.0	FAVORABLE, EXCEPT STILL TOO WET IN SPOTS
0 to 1.0	FAVORABLE FOR NORMAL GROWTH AND FIELDWORK
0 to -1.0	TOPSOIL MOISTURE SHORT, GERMINATION SLOW
-1.0 to -2.0	ABNORMALLY DRY, PROSPECTS DETERIORATING
-2.0 to -3.0	TOO DRY, YIELD PROSPECTS REDUCED
-3.0 to -4.0	POTENTIAL YIELDS SEVERELY CUT BY DROUGHT
BELOW -4.0	EXTREMELY DRY, MOST CROPS RUINED

SHADED AREA: INDEX INCREASED OR DID NOT CHANGE	
ABOVE 3.0	EXCESSIVELY WET, SOME FIELDS FLOODED
2.0 to 3.0	TOO WET, SOME STANDING WATER
1.0 to 2.0	PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 to 1.0	MOISTURE ADEQUATE FOR PRESENT NEEDS
0 to -1.0	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1.0 to -2.0	SOME IMPROVEMENT BUT STILL TOO DRY
-2.0 to -3.0	DROUGHT EASED BUT STILL SERIOUS
-3.0 to -4.0	DROUGHT CONTINUED, RAIN URGENTLY NEEDED
BELOW -4.0	NOT ENOUGH RAIN, STILL EXTREMELY DRY

"TOO WET" IS THE DOMINANT FEATURE OF THIS WEEK'S CROP MOISTURE MAP. PARTS OF IOWA, MINNESOTA, INDIANA, AND OHIO HAVE TOO MUCH MOISTURE, WHILE MUCH OF THE COTTON AREAS OF TEXAS AND THE DELTA ARE ALSO EXCESSIVELY WET. SLIGHTLY-DRY AREAS STILL EXIST IN THE SOUTHEAST. THE WEST IS SLOWLY RECOVERING FROM A DRY SPELL.

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