

WEEKLY WEATHER AND CROP BULLETIN

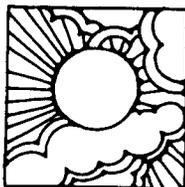
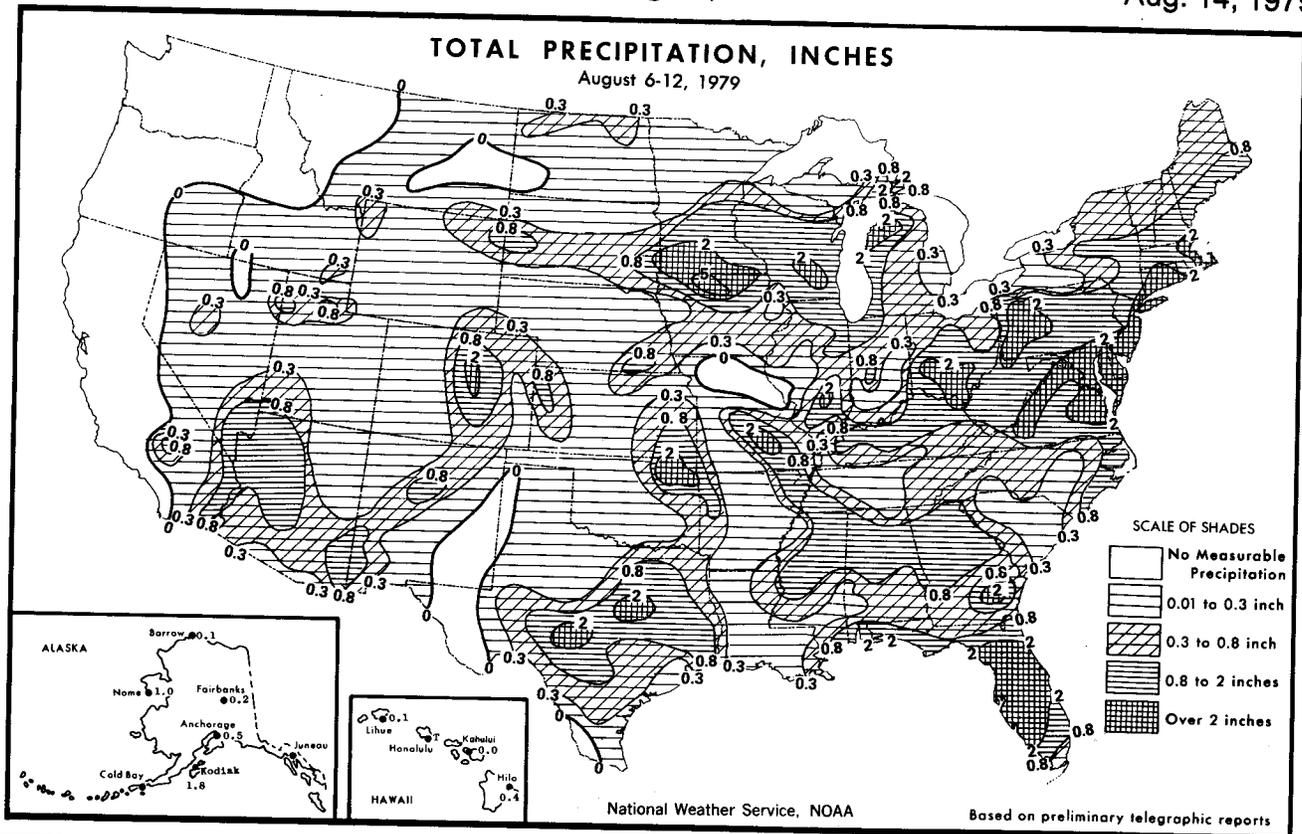
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Aug. 14, 1979



National Weather Summary

August 6 - 12

HIGHLIGHTS: Most of the Pacific Northwest and California stood as the only totally dry areas of the Nation. Unseasonably heavy showers fell in the Plateau Region and Southwest triggering local flooding. Moderate to heavy rain fell along the leading edge of a cool airmass as it moved through the Midwest and Atlantic Seaboard from New England to the middle Atlantic States.

The cool air enveloped much of the country east of the Mississippi River; many record low temperatures followed closely on record high readings set only a few days before.

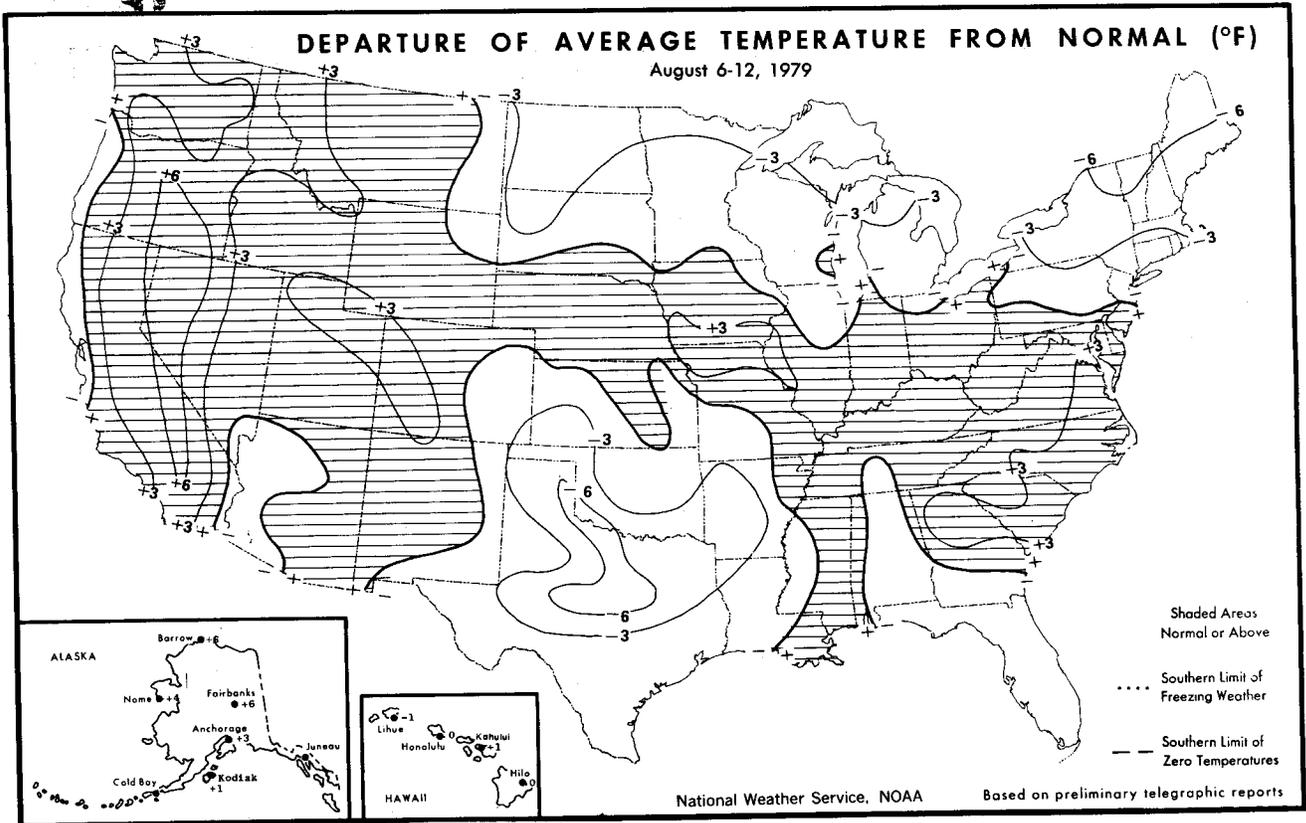
On Monday, rainfall was widely scattered over the Nation. While Tampa, Fla., registered an inch and one-half of rain, parts of southern Indiana scored 2 inches of rain as well as heavy hail. Nearly an inch doused Flagstaff, north central Arizona.

Meantime, clear skies and a southerly flow of air brought record heat to the Plains westward to the Plateau Region. A sampling of records showed 102° at Huron, east central South Dakota, 101° at Scottsbluff, western Nebraska, Denver's 99°, and a record-equaling 100° at Salt Lake City.

Thunderstorms ranged over the northern Plains and northwestern Pennsylvania, and a hot spell spanned the Midwest on Tuesday.

Morning rains brought 2.4 inches to Sault Ste. Marie, in Michigan's peninsula; later in the day, 2.4 inches soaked Bradford, Pa., and 1.2 inches fell over Rapid City, western South Dakota. Spearfish, extreme western South Dakota, reported hail at three different times and a damaging tornado.

The heat that settled over the Midwest carried the first 90°-days to Madison, Wisc., and Detroit,



and forced Chicago's hottest day of the year at 92°. Alpena, northern Michigan, tied its record high mark of 86°. Temperatures in the hundreds continued to blister parts of the Plains and Plateau Region.

Predawn rains dumped 4 inches on northwestern Pennsylvania and up to 8 inches in sections of northern Iowa triggering local flooding on Wednesday.

Severe storms spread over the Ohio Valley accompanied by hail, high winds, and tornadoes. Evening rains dropped one inch on Jasper, northern Alabama, and 3.5 inches on northwestern Iowa. Heavy hail also pounded the central Rockies.

Beckley, southern West Virginia, tallied a record high 86°.

On Thursday, a cold front stretched from the Great Lakes to New Mexico setting off heavy rains in the upper Midwest.

Kanawha, northern Iowa, notched 5 inches of rain; 2.5 inches soaked southern Minnesota; and one to 2 inches covered parts of Wisconsin and Michigan. Fourteen tornadoes raced over Wisconsin.

To the south, Fort Myers, on Florida's western coast, measured 1.65 inches of rain.

Temperatures soared over the middle Atlantic States; in North Carolina, Asheville hit a record-tying 92°, and Wilmington, at 99°, broke a mark set in 1900.

The cold front extended from New England through Texas on Friday preceded by a large band of thunderstorms. Rain totaled 3 inches at South Bend, northern Indiana, and more than 2 inches at Tulsa, Okla. Damaging winds tore through parts of Ohio and

Pennsylvania. A 24-hour accumulation of 4 inches of rain led to flooding on some Colorado waterways.

For the second consecutive day, Wilmington, southern North Carolina, reached a record high reading---this time at 97°.

The cold front edged from the Ohio Valley to the East on Saturday. Nearly 2 inches soaked Zanesville, east central Ohio, and Newport News, southeastern Virginia.

In the South, one to 2 inches fell over parts of Alabama, and more than 2 inches washed over Tampa.

The Plateau Region's heat wave persisted, but cold air moved in behind the front from the Plains eastward. Portions of Minnesota reported a hard frost, after readings dipped below freezing. Dodge City, western Kansas, at 50°, undercut its 1902 low mark by two.

On Sunday, rain clouded the East Coast from New England to the middle Atlantic States, while unseasonable rains surprised parts of the Southwest.

One to 2 inches of rain dampened Boston and Washington, D.C. Meantime, 1.5 inches of rain drenched Las Vegas, Nev., and Phoenix in what is usually a dry period of the year; local flooding followed the downpours.

The cold air broke records from New Mexico to the Great Lakes and settled over the East. A sampling of new marks showed 52° at Amarillo, in the Texas Panhandle, 50° at Columbia, central Missouri, Indianapolis's 49°, and 45° at Muskegon, western Michigan. The mercury dropped below 70° for the first time in a month in Washington, D.C.



National Agricultural Summary

August 6 - 12

HIGHLIGHTS: Subnormal temperatures spread through much of the Nation late in the week bringing light frost to extreme northern areas; no damage was reported. Precipitation spread through the eastern half of the Nation improving soil moisture and slowing some combining and hay baling. Soil moisture rated adequate throughout most of the Corn Belt and south central States. Soil moisture rated short to adequate in the Southeast and short throughout most of the West. Corn Belt farmers continued to plow land for fall seedings. Grasshoppers and armyworms caused problems in various areas of the Nation. Pastures in the eastern half of the Nation rated good to locally excellent; western rangelands rated poor to fair. Winter wheat combining reached 93%, one point ahead of last year and 2 points less than average. Oats harvest advanced to 47%, far behind 1978's 70% and the 76% average. Barley harvest stood at 25%, lagging last year's 43% and the 48% average. Spring wheat combining advanced to 10%, well behind last year's 25% and the 39% average. Cotton continued to set bolls with very little acreage having open bolls. Corn advanced well into the dough stage with harvest expanding throughout the South reaching as far north as Arkansas and South Carolina. Most soybean acreage showed blooms; pod set was well along in northern areas but lagging in the South. Sorghum heading ranged from 79% in Texas to 45% in Kansas. Rice heading gradually increased, but combining was confined to the Gulf Coast. Fuel supplies became more readily available compared with the previous week. LP gas rated 8% tight and 89% adequate; diesel fuel rated 27% tight and 71% adequate; gasoline scored 22% tight and 76% adequate.

SMALL GRAINS: Winter wheat combining stood at 93% complete, compared with 92% last year and the 95% average. Most States completed the harvest with most acreage remaining in Idaho and Montana. Some acreage remains to be harvested from the Pacific Northwest to the Dakotas. Oats harvest reached 47%, short of the 70% last year and the 76% average. The harvest lagged far behind normal in the Great Lakes States and South Dakota; other States stayed on schedule. Barley harvest stood at 25%, lagging last year's 43% and the 48% average. Colorado and Idaho moved ahead of schedule, but the other States lagged. Spring wheat combining stood at 10%, far behind recent years. Only Idaho, at 15%, surpassed the progress of last year and the average which are both at 10%.

CORN: Rains delayed harvest progress in a few southern States. Some of the corn in the Great Lakes States needed additional soil moisture. In the eastern north central States, corn in the dough stage ranged from 15% in Michigan to 55% in Illinois; development generally lagged recent years. In the western north central States, from 15 to 45% of the corn reached the dough stage; progress generally exceeded last year but lagged the average.

SOYBEANS: Soybeans generally rated good, although some in the Southeast were in fair condition. Bloom was virtually complete in the eastern Corn Belt; pod set ranged from 40 to 70%. Progress was on schedule. In the western Corn Belt, bloom ranged from 69 to 97%; pod set ranged from 42% in southern portions to 89% farther north. Develop-

ment in this area tended to lag the average. In the south central States, bloom ranged from a low of 33% in Arkansas to a high of 88% in Louisiana. Pod set ranged from 26 to 52%; development equaled or exceeded the average except in Arkansas and Tennessee.

COTTON: Cotton rated fair to mostly good. Producers sprayed to control insects. Dry soils stressed some of the southeastern crop. Most of the acreage set bolls; only a few States reported open bolls. Harvest centered in Texas with that State reporting 4%, equaling the average but short of the 7% last year.

OTHER CROPS: Grain sorghum heading ranged from 79% in Texas to 45% in Kansas. Some of the acreage showed color as far north as South Dakota. Heading generally equaled or surpassed last year but lagged the average. Texas grain sorghum harvest stood at 44%, short of last year's 60% and the 49% average; combining advanced into the low Plains.

Rice heading ranged from an abnormally low 18% in Arkansas to 100% in Texas. Only Texas and Louisiana reported rice harvested at 58 and 24% respectively.

FRUITS & NUTS: Peach harvest was virtually complete across the South, ranging from 91% in Mississippi and South Carolina to 99% in Georgia. Peach harvest increased in northern areas. Both tart and sweet cherry harvests wound down throughout northern production areas. Early apple harvest gradually increased throughout all production areas. Washington Bartlett pear harvest should begin shortly. California growers harvested peaches, plums, nectarines, pears, apples, and Thompson seedless grapes.

Florida citrus groves rated excellent with adequate to surplus moisture. New foliage growth continued. Texas producers continued general maintenance work in citrus groves. Arizona citrus groves were in good condition; lemons sized well, and picking should begin soon in the Yuma area. California growers picked a light volume of citrus.

Pecans rated good throughout the South. California almond knocking began on a limited scale.

VEGETABLES: Northern vegetable growers picked a good supply of summer crops including cabbage, sweet corn, tomatoes, cucumbers, snap beans, beets, and carrots. The green pea harvest neared completion. Southern growers continued to prepare land for seeding and planted a few fields of vegetables for fall harvest. The California processing-tomato harvest was heavy in the San Joaquin and Sacramento Valleys.

PASTURES & LIVESTOCK: Adequate soil moisture and frequent rains kept grasslands in good condition east of the Rocky Mountains. Rains slowed some haying activity in the eastern part of the Nation. In the West, dry soils and virtually no precipitation deteriorated rangelands. The fire danger was high and damaged some grazing land. Producers in some areas hauled water to livestock, and herdsmen in the Pacific Northwest dipped into forage supplies to feed cattle.

Weather Data for the Week Ending Aug. 12, 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 . . .	89	69	93	61	79	- 1	.9	-	.9	11.4	107	95	52	4	0	2	1
Mobile . . .	91	73	93	70	82	- 0	1.2	-	.4	15.0	86	94	54	5	0	3	1
Montgomery . . .	89	71	93	67	80	- 1	.7	-	0	6.3	62	92	52	4	0	2	1
ALASKA. Anchorage . .	64	57	68	54	60	+ 3	.5	-	1.0	5.6	140	90	78	0	0	6	0
Barrow . . .	50	39	70	34	45	+ 6	.1	-	.2	.4	22	84	69	0	0	1	0
Fairbanks . . .	75	52	81	48	63	+ 6	.1	-	.2	.4	102	96	78	0	0	0	0
Kodiak . . .	59	53	62	50	56	+ 1	1.0	++	.9	6.7	76	93	78	0	0	6	1
Nome . . .	57	52	62	49	54	+ 4	1.0	++	.9	4.9	102	93	87	0	0	6	0
ARIZ. Flagstaff . . .	79	50	87	45	64	+ 1	1.5	++	.9	2.4	59	81	34	0	0	1	0
Phoenix . . .	103	81	107	73	92	+ 2	1.0	+	.7	1.3	93	56	27	6	0	3	1
Tucson . . .	95	74	98	70	84	0	.6	-	0	3.5	100	72	29	6	0	2	0
Winslow . . .	93	63	98	59	77	0	.1	-	.3	.4	18	65	24	6	0	3	1
Yuma . . .	103	82	109	75	93	- 1	.6	-	0	.9	225	57	50	6	0	1	0
ARK. Fort Smith . . .	88	70	92	62	79	- 3	.6	-	0	9.1	114	95	51	4	0	2	1
Little Rock . . .	88	72	93	60	78	- 4	T	-	.6	5.6	72	92	53	5	0	1	0
CALIF. Bakersfield . .	100	75	103	70	87	+ 4	0	-	0	.0	100	43	19	6	0	0	0
Eureka . . .	58	52	61	50	55	- 2	T	-	.1	.4	50	77	76	0	0	0	0
Fresno . . .	98	69	102	66	83	+ 4	0	-	0	.0	100	59	22	6	0	0	0
Los Angeles . . .	79	65	85	63	72	+ 2	0	-	0	.0	100	87	57	0	0	0	0
Red Bluff . . .	101	68	105	62	84	+ 3	0	-	0	.0	100	46	16	7	0	0	0
San Diego . . .	81	71	88	68	76	+ 5	T	-	0	.1	50	82	56	0	0	0	0
San Francisco . . .	70	52	73	51	61	- 2	T	-	0	.1	50	85	51	0	0	0	0
Stockton . . .	97	64	102	62	80	+ 4	0	-	0	.1	200	61	22	6	0	0	0
COLO. Denver . . .	87	60	99	53	74	+ 1	2.2	+ 1.9	.7	5.4	135	63	25	4	0	2	2
Grand Junction . . .	94	68	99	62	81	+ 4	.3	+	.1	.2	92	49	21	7	0	1	0
Pueblo . . .	92	58	102	53	75	- 1	1.1	+	.6	5.6	140	69	28	5	0	2	2
CONN. Bridgeport . . .	77	65	90	56	72	- 2	2.6	+ 1.7	1.5	6.0	82	84	64	1	0	3	2
Hartford . . .	80	58	92	52	70	- 2	2.4	+ 1.5	1.4	5.5	68	88	47	1	0	3	2
D.C. Washington . . .	89	72	97	63	81	+ 3	2.9	+ 1.8	1.2	8.3	91	88	55	5	0	4	2
FLA. Apalachicola . .	88	72	90	71	81	- 1	1.4	-	.3	11.2	70	87	58	2	0	--	0
Daytona Beach . . .	85	72	87	70	78	- 3	2.9	+ 1.4	--	18.7	121	97	67	0	0	--	0
Ft. Myers . . .	93	75	94	72	84	+ 1	3.3	+ 1.6	--	19.3	96	97	55	7	0	--	0
Jacksonville . . .	88	70	90	69	79	- 2	.9	-	.9	13.9	85	97	59	3	0	3	1
Key West . . .	91	81	92	78	86	+ 1	.5	-	.4	6.7	69	84	62	7	0	2	1
Miami . . .	88	77	89	73	83	0	.5	-	.9	11.3	64	85	60	0	0	2	0
Orlando . . .	88	72	92	70	80	- 2	3.5	+ 2.0	1.9	16.2	93	98	60	3	0	5	2
Tallahassee . . .	89	71	91	70	80	- 1	.2	-	1.4	20.3	113	97	57	4	0	3	0
Tampa . . .	87	74	90	72	81	- 1	4.4	+ 2.6	1.6	12.7	72	97	66	4	0	6	3
W. Palm Beach . . .	91	74	92	72	82	0	1.6	+	.2	.8	10.5	64	92	52	7	0	3
GA. Atlanta . . .	92	73	97	65	83	+ 5	1.1	+	.3	6.2	63	89	45	5	0	2	1
Augusta . . .	94	71	97	70	83	+ 3	1.1	+	.1	8.8	85	96	46	6	0	2	1
Macon . . .	95	72	98	65	84	+ 3	1.1	+	.2	8.8	92	94	41	6	0	2	1
Savannah . . .	92	73	95	72	83	+ 2	.3	-	1.2	.3	15.5	104	90	52	6	0	2
HAWAII. Hilo . . .	82	70	82	68	76	0	.4	-	2.2	18.3	91	84	71	0	0	--	0
Honolulu . . .	87	74	90	72	80	0	T	-	.2	.0	7	58	53	0	0	0	0
Kahului . . .	90	--	91	--	80	+ 1	0	-	.1	--	--	--	54	3	0	0	0
Lihue . . .	84	73	86	66	78	- 1	.1	-	.4	3.5	81	86	65	0	0	--	0
IDAHO. Boise . . .	92	60	99	49	76	+ 2	0	-	.1	.0	.2	17	45	21	5	0	1
Lewiston . . .	95	63	100	56	77	+ 4	T	-	.1	.0	.9	38	34	13	6	0	0
Pocatello . . .	88	59	94	54	73	+ 2	T	-	.1	.0	1.5	83	68	26	3	0	0
ILL. Cairo . . .	90	74	98	64	82	+ 2	.2	-	.6	2.2	1.6	19	--	--	4	0	2
Chicago . . .	82	65	92	51	73	- 2	2.5	+ 1.8	1.9	10.5	116	87	54	1	0	3	1
Moline . . .	85	64	93	47	74	0	.7	-	.1	.5	9.1	91	92	52	4	0	2
Peoria . . .	86	64	94	47	75	0	.3	-	.4	.3	6.9	82	91	54	4	0	1
Rockford . . .	82	64	92	47	72	- 1	1.0	+	.2	--	10.8	110	95	59	1	0	0
Springfield . . .	85	67	92	51	76	0	T	-	.1	.1	7.0	80	88	60	3	0	1
IND. Evansville . . .	88	68	94	56	78	+ 1	1.0	+	.3	.7	11.1	135	84	50	5	0	2
Ft. Wayne . . .	82	63	90	48	72	0	.4	-	.3	.3	9.9	115	88	56	1	0	4
Indianapolis . . .	85	66	92	49	75	+ 1	.2	-	.4	.1	18.4	214	97	67	4	0	2
IOWA. Burlington . . .	83	64	92	53	74	+ 2	4.1	+ 3.3	2.8	12.3	146	94	58	1	0	3	2
South Bend . . .	85	66	93	50	79	+ 4	.3	-	.4	--	6.2	67	--	--	4	0	0
Des Moines . . .	87	66	97	54	77	+ 2	.3	-	.4	.1	9.2	105	81	46	4	0	1
Dubuque . . .	90	62	87	48	71	- 1	.1	-	.7	.1	12.1	114	--	--	0	0	0
Sioux City . . .	87	66	96	57	77	+ 2	.1	-	.5	.1	5.6	65	82	49	3	0	2
KANS. Concordia . . .	89	66	98	54	79	0	.1	-	.6	.1	7.7	87	89	36	3	0	0
Dodge City . . .	90	63	96	50	76	- 4	.1	-	.5	.1	6.5	90	78	35	4	0	1
Goodland . . .	91	61	100	53	76	0	1.0	+	.5	1.0	10.5	168	78	34	5	0	1
Topeka . . .	86	68	94	53	77	- 2	.4	-	.6	.4	12.1	107	86	54	3	0	1
Wichita . . .	93	68	100	55	81	0	.3	-	.4	.3	9.0	92	81	31	5	0	1
KY. Lexington . . .	86	67	92	57	77	+ 1	1.7	+	.9	1.3	9.1	90	91	54	4	0	2
Louisville . . .	88	70	95	57	79	+ 2	.4	-	.3	.4	14.0	163	94	57	5	0	1

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Aug. 12, 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 . . .	90	73	93	72	82	0	.3	-.8	-.1	9.1	76	97	57	6	0	0	0
LA. Lake Charles . . .	91	74	93	72	82	-1	.3	-.8	-.1	16.1	124	94	58	5	0	0	0
LA. New Orleans . . .	91	74	95	74	83	+1	.4	-.8	.3	12.1	91	89	57	6	0	2	0
LA. Shreveport . . .	91	72	95	68	81	-3	T	-.6	.0	9.7	141	92	55	5	0	0	0
MAINE. Caribou . . .	68	49	75	41	58	-13	.4	-.6	.0	3.1	94	91	43	0	0	0	0
MD. Baltimore . . .	86	68	94	59	77	+1	1.8	+1.2	1.0	9.9	152	91	55	0	0	4	2
MASS. Boston . . .	77	63	86	56	70	-3	3.0	+2.0	1.3	10.2	112	87	57	3	0	4	2
MASS. Chatham . . .	75	61	86	57	68	-1	2.5	+1.7	1.7	6.5	96	79	51	0	0	4	2
MICH. Alpena . . .	75	49	86	40	62	-3	2.7	-.1	-.1	5.1	74	93	62	0	0	2	1
MICH. Detroit . . .	81	58	92	49	70	-2	.8	+.2	.7	8.2	130	82	48	1	0	3	1
MICH. Flint . . .	77	58	90	44	67	-2	.1	-.7	.1	9.2	123	82	48	1	0	2	0
MICH. Grand Rapids . . .	81	59	90	47	70	-1	.3	+.5	.5	8.8	119	91	58	1	0	0	0
MICH. Houghton Lake . . .	75	52	84	39	61	-5	2.7	+2.2	-.1	7.9	111	88	52	1	0	2	0
MICH. Lansing . . .	80	59	92	45	69	-2	.5	-.1	-.1	8.3	117	99	44	0	0	0	0
MICH. Marquette . . .	71	46	82	42	59	-5	.1	-.6	.1	10.9	151	96	46	0	0	1	0
MICH. Muskegon . . .	79	58	84	45	68	0	.8	+.3	.8	5.3	91	88	54	0	0	2	1
MICH. S. Ste. Marie . . .	72	47	78	38	60	-4	2.8	+2.2	2.7	12.4	185	100	51	0	0	2	1
MINN. Duluth . . .	74	53	81	43	64	-2	.2	-.7	.2	10.3	112	85	52	0	0	1	0
MINN. Internat'l. Falls . . .	74	48	79	38	61	-4	.1	-.7	.1	5.6	62	81	50	0	0	1	0
MINN. Minneapolis . . .	81	63	96	53	72	0	1.6	+.9	1.6	9.7	117	83	47	2	0	2	1
MINN. Rochester . . .	79	60	90	50	70	0	1.0	+.2	.7	8.9	96	90	63	2	0	2	1
MINN. St. Cloud . . .	79	58	92	47	68	-2	1.2	+.3	1.2	9.3	104	94	55	1	0	3	1
MISS. Jackson . . .	90	70	96	65	80	-2	1.0	+.2	.5	21.6	243	97	55	5	0	2	0
MISS. Meridian . . .	92	71	96	66	82	+1	.3	-.6	.3	10.5	104	94	50	6	0	1	0
MO. Columbia . . .	89	65	96	50	77	0	T	-.7	.0	5.6	60	93	41	4	0	0	0
MO. Kansas City . . .	87	68	94	54	80	+3	T	-.8	.0	10.2	95	90	52	4	0	1	0
MO. St. Louis . . .	90	72	97	57	81	+3	T	-.7	.9	5.7	63	81	43	5	0	0	0
MO. Springfield . . .	88	64	94	50	76	-2	.3	-.3	.3	14.3	163	92	49	5	0	2	0
MONT. Billings . . .	88	61	95	54	74	+2	T	-.2	.0	1.5	43	46	23	3	0	0	0
MONT. Glasgow . . .	84	58	92	51	71	0	T	-.4	.0	1.6	35	76	27	2	0	1	0
MONT. Great Falls . . .	87	52	96	49	70	+1	T	0	.2	2.9	66	49	19	3	0	0	0
MONT. Havre . . .	89	54	96	46	61	+1	T	-.2	-.0	2.6	67	70	18	3	0	0	0
MONT. Helena . . .	87	54	93	49	70	+2	T	-.2	.0	3.1	89	47	20	2	0	0	0
MONT. Kalispell . . .	89	47	91	40	68	+4	0	-.3	.0	1.5	41	78	17	4	0	0	0
MONT. Miles City . . .	86	65	95	54	75	0	T	-.3	.0	3.5	70	60	28	3	0	0	0
MONT. Missoula . . .	89	53	93	48	72	+5	0	-.2	.9	1.4	45	47	17	5	0	0	0
NEBR. Grand Island . . .	92	64	101	50	78	+1	.1	-.5	.5	5.8	72	76	35	5	0	1	0
NEBR. Lincoln . . .	91	67	107	54	78	+1	.4	-.3	-.1	7.1	78	86	42	4	0	0	0
NEBR. Norfolk . . .	89	66	97	56	78	+2	.1	-.5	.1	7.4	85	77	45	4	0	1	0
NEBR. N. Platte . . .	91	63	97	54	77	+2	.1	-.4	.1	10.5	147	69	34	5	0	1	0
NEBR. Omaha . . .	87	68	98	53	78	+3	T	-.2	-.0	6.6	67	76	44	2	0	0	0
NEBR. Valentine . . .	90	62	102	51	76	+2	.7	-.6	.0	7.1	104	83	35	3	0	0	0
NEV. Ely . . .	84	53	91	49	68	+1	.1	0	-.0	1.6	114	68	28	1	0	2	0
NEV. Las Vegas . . .	102	76	110	68	89	0	1.6	+1.5	1.6	2.4	343	39	24	6	0	2	1
NEV. Reno . . .	93	56	99	50	74	+6	T	-.1	.0	.6	67	64	17	5	0	0	0
NEV. Winnemucca . . .	96	58	100	47	77	+7	.1	0	.1	1.2	92	58	14	6	0	4	0
N.H. Concord . . .	74	54	87	47	64	-5	1.6	+1.0	.9	6.0	82	81	48	0	0	3	2
N.J. Atlantic City . . .	85	65	93	56	75	+1	2.6	+1.4	1.1	13.1	138	84	43	2	0	3	3
N.J. Trenton . . .	83	66	92	55	74	-1	1.4	+.4	.7	11.4	120	88	43	3	0	4	2
N.MEX. Albuquerque . . .	94	66	99	60	80	+2	.8	+.4	.8	2.5	93	63	23	6	0	2	1
N.MEX. Roswell . . .	92	66	96	61	79	0	0	-.4	.0	2.7	75	75	51	0	0	0	0
N.Y. Albany . . .	76	57	84	48	66	-5	.9	+.3	.8	6.5	94	92	52	0	0	2	1
N.Y. Binghamton . . .	72	56	81	47	64	-4	.7	-.1	.3	3.3	40	95	56	0	0	4	0
N.Y. Buffalo . . .	76	57	84	50	67	-3	.1	-.7	.1	6.0	95	91	51	0	0	2	0
N.Y. New York . . .	84	69	95	60	76	0	2.1	+1.0	.8	4.6	55	69	46	3	0	3	1
N.Y. Rochester . . .	75	55	82	49	65	-5	.4	-.3	.4	5.9	94	86	55	0	0	2	0
N.Y. Syracuse . . .	75	55	80	50	66	-5	1.2	+.4	.9	6.4	88	89	52	0	0	2	1
N.C. Asheville . . .	87	61	92	54	75	+1	.3	-.8	.3	8.6	83	95	56	4	0	1	0
N.C. Charlotte . . .	91	72	96	62	82	+4	.4	-.5	.2	9.4	97	90	48	6	0	2	0
N.C. Greensboro . . .	90	70	95	64	79	+2	.6	-.4	.5	7.0	71	92	49	6	0	2	0
N.C. Hatteras . . .	89	73	92	69	81	+3	1.9	+.4	1.9	12.5	98	94	67	2	0	1	1
N.C. Raleigh . . .	92	68	98	56	80	+3	.1	-1.0	.1	7.1	68	97	49	6	0	1	0
N.C. Wilmington . . .	95	75	99	73	85	+5	.9	-.7	-.0	8.1	50	94	52	7	0	0	0
N.DAK. Bismarck . . .	80	54	91	45	67	-4	T	-.5	.0	4.3	69	86	38	1	0	1	0
N.DAK. Fargo . . .	81	59	89	49	69	-2	.1	-.6	.1	6.4	86	88	49	0	0	1	0
N.DAK. Williston . . .	82	54	90	47	68	-3	.3	-.1	.3	4.7	82	87	33	1	0	2	0
OHIO. Akron-Canton . . .	80	62	86	54	71	0	.5	-.2	.3	5.8	72	90	56	0	0	2	0
OHIO. Cincinnati . . .	85	66	92	56	76	+1	2.0	+1.4	1.3	14.9	171	88	54	3	0	2	2
OHIO. Cleveland . . .	81	62	91	52	72	+1	.3	-.4	.2	8.8	113	76	51	1	0	1	0
OHIO. Columbus . . .	84	66	90	55	75	+2	2.0	+1.3	1.1	15.1	162	94	54	1	0	2	2
OHIO. Dayton . . .	84	65	92	51	75	+1	2.3	+1.7	1.4	12.4	155	94	57	3	0	3	2
OHIO. Toledo . . .	80	60	92	47	70	-2	.8	+.1	.6	10.3	136	90	56	1	0	2	1
OHIO. Youngstown . . .	79	59	86	47	69	-1	.6	-.2	.4	7.0	84	87	48	0	0	2	0

Based on preliminary reports and 1941-70 normals

Weather Data for the Week Ending Aug. 12, 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	92	68	97	58	80	- 2	.1	- .4	.1	15.8	219	84	35	5	0	1	0
Tulsa	94	73	100	61	83	0	2.5	+ 1.9	2.2	13.7	156	81	41	5	0	2	1
OREG. Astoria	68	54	69	48	61	0	0	- .3	.0	2.8	76	87	65	0	0	0	0
Burns	90	59	93	52	74	+ 2	.3	+ .2	.3	.5	33	33	14	4	0	1	0
Medford	94	52	96	48	73	+ 2	0	- .1	.0	.6	50	72	20	7	0	0	0
Pendleton	90	58	96	52	74	+ 1	0	- .1	.0	.3	20	--	18	4	0	0	0
Portland	85	56	88	53	71	+ 4	0	- .1	.0	.9	41	85	31	4	0	0	0
Salem	86	46	89	45	68	- 1	0	- .1	.0	.9	47	95	27	0	0	0	0
PA. Allentown	81	62	92	54	72	- 1	1.3	+ .3	1.1	8.1	88	85	53	2	0	2	1
Erie	79	60	88	52	69	+ 1	T	- .7	.0	8.5	108	--	--	0	0	2	0
Harrisburg	79	67	89	60	73	- 2	1.6	+ .8	--	7.5	97	97	72	0	0	--	2
Philadelphia	84	68	93	60	76	0	2.8	+ 1.8	1.1	12.8	141	90	52	3	0	3	2
Pittsburgh	80	62	88	54	72	+ 1	2.7	+ 1.9	1.2	9.1	110	92	57	0	0	4	2
Scranton	80	60	86	50	70	- 1	1.6	+ .8	.7	5.8	67	86	46	0	0	2	2
R.I. Providence	76	61	83	56	69	- 3	1.7	+ .8	.9	11.6	171	83	52	0	0	3	2
S.C. Charleston	93	73	98	67	83	+ 3	.1	- 1.4	.1	10.5	62	92	55	6	0	1	0
Columbia	95	72	99	67	83	+ 2	.2	- 1.1	.2	13.0	114	93	43	6	0	1	0
Greenville	91	69	95	65	80	+ 2	.1	- .8	.1	12.3	129	97	59	6	0	2	0
S.D. Aberdeen	82	63	93	51	72	- 1	.1	- .4	.1	7.6	110	85	46	1	0	1	0
Huron	85	63	102	54	74	0	.6	+ .2	.4	5.6	90	93	41	1	0	2	0
Rapid City	82	60	93	52	71	- 3	1.3	+ .9	1.2	8.6	139	77	41	1	0	4	1
Sioux Falls	82	65	94	55	73	- 1	1.0	+ .4	1.0	7.5	95	85	59	1	0	2	1
TENN. Chattanooga	89	70	93	63	80	+ 1	.5	- .3	.5	13.5	136	91	56	5	0	1	1
Knoxville	88	70	94	64	80	+ 2	.7	- .1	.7	12.7	134	92	55	4	0	1	1
Memphis	90	74	95	68	83	+ 2	1.0	+ .2	.6	7.0	88	81	54	5	0	2	1
Nashville	89	69	94	62	79	0	.1	- .7	.1	7.3	89	96	52	5	0	1	0
TEX. Abilene	93	70	98	61	82	- 3	.1	- .4	.1	4.4	76	72	31	6	0	1	0
Amarillo	87	61	92	51	74	- 5	T	- .7	.0	4.6	64	77	34	4	0	1	0
Austin	91	73	96	71	82	- 3	.4	0	.4	11.5	213	88	45	5	0	1	0
Beaumont	90	75	93	72	83	- 1	1.3	0	--	20.3	164	99	68	3	0	--	0
Brownsville	95	76	97	73	86	+ 1	.2	- .2	.2	2.8	64	90	48	7	0	3	0
Corpus Christi	95	77	96	74	86	0	T	- .6	.0	5.5	108	90	52	7	0	1	0
Del Rio	96	74	101	69	85	- 2	.4	+ .2	.4	3.2	103	81	36	6	0	1	0
El Paso	93	66	96	63	80	- 1	T	- .3	.0	1.5	56	78	28	7	0	1	0
Fort Worth	94	70	99	61	81	- 5	.9	+ .5	.8	5.0	94	92	40	5	0	2	1
Galveston	88	77	92	72	84	0	.1	- .8	.3	18.5	189	83	61	2	0	5	0
Houston	91	72	95	70	82	- 2	.2	- .8	.1	9.3	95	99	56	6	0	2	0
Lubbock	90	65	93	54	77	- 3	.1	- .3	.1	5.2	95	70	33	5	0	1	0
Midland	91	66	96	61	79	- 4	.3	- .1	.3	4.3	113	83	34	5	0	2	0
San Angelo	90	70	94	64	80	- 6	1.0	+ .7	.5	3.8	112	85	40	4	0	2	0
San Antonio	92	75	96	72	83	- 2	1.1	+ .6	.6	10.9	196	92	49	5	0	2	2
Victoria	92	75	94	73	83	- 2	.7	+ .1	.4	8.5	129	91	55	6	0	3	0
Waco	92	71	98	64	81	- 6	2.1	+ 1.8	.9	11.2	243	94	49	5	0	1	1
Wichita Falls	96	67	101	59	81	- 6	.1	- .3	.1	7.7	131	93	34	6	0	1	0
UTAH. Blanding	89	58	92	56	73	+ 1	T	- .4	.0	.7	37	--	--	4	0	1	0
Salt Lake City	92	68	100	61	79	+ 3	.4	+ .2	.2	1.1	52	59	25	6	0	2	0
VT. Burlington	71	54	81	49	63	- 6	.4	- .4	.4	3.5	44	87	53	0	0	3	0
VA. Lynchburg	88	65	94	57	76	+ 1	1.4	+ .5	1.1	10.2	117	--	--	0	0	2	1
Norfolk	91	72	98	63	81	+ 3	.9	- .5	.8	8.5	74	89	50	4	0	3	1
Richmond	90	69	97	60	80	+ 3	3.2	+ 2.0	2.3	10.5	95	96	57	6	0	3	2
Roanoke	88	67	93	55	77	+ 2	6.8	+ 5.8	.4	15.9	189	91	52	5	0	3	0
WASH. Colville	90	53	95	50	71	+ 3	0	- .2	.0	1.2	50	--	--	5	0	0	0
Omak	91	57	96	49	75	+ 6	0	- .1	.0	.9	50	45	19	5	0	0	0
Quillayute	68	50	72	48	59	0	0	- .6	.0	4.8	75	94	60	0	0	0	0
Seattle-Tacoma	79	52	82	51	66	+ 2	0	- .2	.0	1.2	50	83	35	0	0	0	0
Spokane	88	55	93	50	72	+ 2	0	- .1	.0	1.5	79	43	15	3	0	0	0
Walla Walla	94	63	102	58	78	+ 3	0	- .1	.0	2.5	167	48	14	5	0	0	0
Yakima	91	53	96	49	72	+ 2	0	- .1	.0	.6	67	60	17	5	0	0	0
W.VA. Beckley	80	61	86	50	71	+ 1	.9	+ .1	.5	11.7	119	98	60	0	0	3	0
Charleston	85	65	91	57	75	+ 1	1.5	+ .6	.6	9.7	100	95	54	2	0	5	1
Huntington	87	68	93	60	66	+ 2	2.3	+ 1.5	1.3	16.0	190	91	55	3	0	3	2
Parkersburg	84	70	91	63	76	+ 1	1.7	+ .9	--	8.6	91	81	52	2	0	--	0
WISC. Green Bay	77	56	89	49	67	- 2	1.7	+ 1.1	1.4	8.2	115	93	51	0	0	3	1
La Crosse	78	64	90	52	69	- 4	.9	+ .3	--	9.2	105	94	51	1	0	--	0
Madison	80	55	91	45	68	- 2	2.0	+ 1.3	1.4	8.8	98	98	57	1	0	3	2
Milwaukee	80	61	94	49	71	+ 1	1.0	+ .4	.6	5.8	75	87	50	1	0	4	1
Wyo. Casper	88	56	96	51	72	0	T	- .1	.0	2.5	100	60	20	4	0	2	0
Cheyenne	84	58	96	51	71	+ 2	.6	+ .2	.4	5.8	121	61	27	2	0	4	0
Lander	86	57	96	48	72	+ 1	.1	0	.1	.9	36	60	26	3	0	3	0
Sheridan	85	60	93	48	71	0	.6	+ .4	--	2.5	60	63	24	2	0	--	0
P.R. San Juan	89	79	90	77	85	+ 3	.4	- 1.2	.3	13.3	94	88	67	4	0	3	0

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: Conditions wetter, near 1.00 in. rain many areas. Temperatures normal.

Fieldwork: 5.4 days suitable. Soil moisture adequate. Chemical applications, machinery maintenance main activities. Crops, pastures good condition. Corn 90% dented, 78% 1978, 72% average; 68% mature, 44% 1978; 21% harvested. Soybeans 74% blooming, 72% 1978, 76% average; 52% pods set, 44% 1978. Cotton 91% setting bolls, 92% 1978, 90% average. Peanuts pegging 100% complete, about normal.

ALASKA: Temperatures averaged above normal. Rain-fall below normal.

Scattered showers early week gave way to sunshine and warmer temperatures which hastened crop development over railbelt. Nearly all oat and barley fields reached dough stage. Many fields turning color. Growth second crop hay rapid. Seed growers combining grass seed. Vegetable harvest continued with moderate supplies. Topsoil moisture short to adequate.

ARIZONA: Scattered daily showers eastern two-thirds. Showers spread over western half weekend. Precipitation between 0.75 in. to 2.00 in. Some local flooding 12th. Temperatures about normal. Cooler air, showers reduced maximum temperatures 5 to 20° 12th.

Field operations continue all areas. Cotton insect activity increasing. Crop continued excellent progress, heavy fruiting. Some final irrigation southwest. Sorghum good progress, grain maturing, harvest beginning. Corn progressing well, harvest beginning. Safflower harvest complete. Sugarbeet harvest complete. Alfalfa making excellent progress. Fifth cutting continued west. Fourth cuttings nearly complete central. Watermelon harvest nearing completion. Limited planting fall melons. Land preparation fall lettuce, other vegetables underway. Citrus groves good condition. Lemons sizing well, picking should increase soon Yuma area. Diesel, gasoline supplies adequate except southeast. LP gas adequate. Cattle, calves good condition. Range, pasture conditions declining west. Soil moisture, stock water below normal. Recent rain should improve conditions. Grasshoppers large numbers.

ARKANSAS: Temperatures below normal. Rainfall less than 0.50 in. Highest normal 83°; lowest 78°. Highest temperature 98°; lowest 51°. Highest mean 81°; lowest 76°.

Adequate soil moisture. Fieldwork: 5.6 days suitable. Diesel 75% adequate, 17% tight; gasoline 75% adequate, 21% tight; LP gas 90% adequate. Early soybeans in good condition, late planting fair condition; blooming 36%, 49% 1978; pod set 26%, 33% 1978. Cotton progress good; favorable boll set; bolls set 92%, 100% 1978. Rice condition good, heading 18%, 47% 1978. Corn good condition, early harvest underway. Sorghum good condition, harvest expected next week. Tomato harvest continued northwest. Apple, grape prospects excellent. Watermelon harvest active. Peach harvest continued. Pastures in average condition. Hay harvest continued. Cattle good condition, good gains.

CALIFORNIA: Upper level low off Vancouver Island with trough off-shore to northern California first part of period. Upper level high centered over

southern Rockies moving eastward. Moist flow along west side of high early week with scattered showers over Sierra Nevada. Strongest delta winds were on 4th. High pressure reestablished over southwest by 10th with rising temperatures.

Cotton 90% bloomed, 73% setting boll stage. Rice 53% headed. Corn 88% tassel stage, 71% silk stage. Peaches, plums, nectarines, pears, apples, thompson seedless grapes harvested. Wine grapes colored. Citrus picking light. Almond knocking began limited scale. Broccoli harvest moderate central coast. Cantaloup volume slowing west Fresno, active northern Districts and west Riverside. Carrot pulling active Kern, Monterey Counties. Cauliflower heavy supply central coast and San Francisco Bay districts. Celery decreasing slightly central coast. Onion harvest near complete Stockton. Potato harvest about done Kern, continues Stockton, Riverside. Strawberry volume increasing central coast. Market tomato harvest decreasing northern San Joaquin, increasing Salinas Valley. Processing tomatoes heavy San Joaquin, Sacramento Valleys. Dry ranges providing fair feed. Stock water supplies below normal northern localities, some fire damage reported. Sheep grazing abandoned melon fields, small grain aftermath. Grasshopper numbers increasing on north coast, declining in central valleys. Gasoline and propane supplies adequate. Diesel supplies tight in some areas of San Joaquin Valley but generally adequate elsewhere.

COLORADO: Hot, dry early week. Rain showers over eastern Plains late week. Temperatures 2 to 5° above normal.

Spring wheat harvested 27%, 60% 1978. Winter wheat ripe 98%, 100% 1978, 100% average; harvested 94%, 100% 1978, 98% average. Barley turned color 80%; ripe 57%; harvested 49%, 42% 1978. Corn average height 74 in., 79 in. 1978; tasseled 92%, 96% 1978, 95% average; silked 82%, 87% 1978. Sorghum headed 50%, 41% 1978. Dry beans flowered 74%, 80% 1978. Alfalfa second cutting 73%, 94% 1978; third cutting 8%, 6% 1978. Fieldwork: 5.5 days suitable. Ranges and pastures good condition. Livestock very good condition. LP gas, gasoline supplies adequate. Diesel fuel supply tight to adequate.

FLORIDA: Atlantic high pressure ridge developed westward over State early week with moist south-east flow off Atlantic bringing increased showers, thunderstorms north, central areas. Southern area dry 11th, 12th with drying conditions in Panhandle 12th behind a weak cool front. Rainfall averaged less than 1.00 in. Panhandle but 3.00 in. north, central areas; 1.00 to 2.00 in. south. Temperatures near normal south and 2 to 4° below normal elsewhere.

Soil moisture mostly adequate with a few wet spots central areas and along parts of Gulf Coast. Corn harvest active; some delays due to frequent showers. Tobacco harvest nearing completion; marketing active. Peanuts, soybeans, sugarcane good to excellent. Hay cutting continued where weather permitted. Fuel supplies mostly adequate. Pasture condition good to excellent except isolated areas. Cattle good to excellent condition. Citrus grove condition excellent. Moisture adequate to surplus. New foliage growth continued; weed and vine growth rapid. Caretakers active all areas.

Field and seedbed preparation very active for fall vegetable crops. Seedbeds in very good condition, progressing favorably. Plantings increasing. Pepper seeding underway southeast, southwest. Seeds coming up to good stands. Eggplant transplanting about complete Sumter County, increasing southeast. Growing crop progressing favorably. Cucumber planting active Sumter County. Tomato seeding active southern areas; transplanting expected to start soon.

GEORGIA: Average temperatures mid-70's mountains to low and mid-80's central and south. Extremes: 58 and 98°. Rainfall spotty; mostly showers.

Soil moisture short to adequate. Fieldwork: 6 days suitable. Disease and insect control measures utilized extensively. Corn fair to good; 20% harvested, 14% year ago. Soybeans fair to mostly good. Peanuts good. Tobacco fair to good; 82% harvested, 76% last year, average 85%. Cotton fair to mostly good; all fields setting bolls, 98% last year, average 98%, 3% bolls open, 2% last year, average 5%. Watermelons fair to mostly good; 91% harvested, 90% last year. Peaches fair to mostly good; 99% picked, 96% last year, average 99%. Apples fair to mostly good; 28% harvested, last year 27%. Pecans fair to good. Hay crops good. Pastures fair to mostly good. Cattle and hogs good. LP gas 94% adequate, 4% tight; diesel fuel 81% adequate, 16% tight; gasoline 86% adequate, 12% tight.

HAWAII: Weather favorable. Rains on Island Hawaii beneficial. Disease, insect damage to leafy crops continues Waimea area. Elsewhere, precipitation generally light. Frequent irrigation required.

Vegetable supplies: Head cabbage output heavy, other vegetables light to moderate. Banana supplies light. Orchard conditions fair to good. Papaya supplies light. Rains beneficial Puna orchards, Hawaii. Other areas irrigation necessary. Pine-apple harvesting heavy. Sugar harvesting steady. Harvesting on some plantations still lags behind schedule as result of storms early in the year. Pastures generally good. Fuel supplies adequate.

IDAHO: Scattered showers southeast. Warm, dry elsewhere. Extremes: 106 and 37°. Precipitation light to 0.69 in.

Winter wheat harvested 33%, last year 30%, normal 30%. Spring wheat 15% harvested, last year 10%, normal 10%. Barley 15% harvested, last year 10%, normal 15%. Potatoes 10% turning, 10% last year. Second cutting alfalfa 50% completed. Green peas for processing and bluegrass seed harvests completed. Sweet corn for processing harvest 15% completed. Mint harvest 60% completed, 70% 1978. Dry peas 85% harvested, 40% 1978. Lentils 80% harvested, 20% 1978. Dryland soil moisture short to very short. Ranges continue fair to poor. Fieldwork: 6.6 days suitable. Fuel supplies adequate to tight. Irrigating heavily.

ILLINOIS: Temperatures 1 to 2° below normal north, 2 to 3° above normal south. Precipitation 0.60 to over 3.00 in. north, 0.01 to 0.48 in. central, no rain south except local area showers.

Soil moisture adequate. Corn 55% dough, 62% 1978, 65% average; 14% dented, 19% 1978, 20% average; condition good. Soybeans 91% bloomed, 86% 1978, 91% average; 65% podded, 60% 1978, 66% average; condition good. Wheat land 32% plowed, 31% 1978, 42% average. Oats 94% combined, 96% 1978, 99% average. Third crop alfalfa 31% cut, 29% 1978, 23% average; condition good. Pastures good. Fieldwork: 5.5 days suitable.

INDIANA: Hot, humid, and showery, then cool and sunny over weekend. Temperatures ranged from 45 to 97°. Precipitation averaged 1.00 in. north, 0.60 in. central, 1.20 in. south. Good rains in dry north.

Fieldwork: 4 days suitable. Topsoil and subsoil moisture mostly adequate to surplus. Corn 95% silked, 1978 90%; 45% dough stage or later, 1978 45%, 1977 85%; 5% dented, 1978 5%, average 15%. Soybeans 95% bloomed or later stage, 1978 90%, average 95%; 55% podding, 1978 50%, average 65%. Oat combining 90%, 1978 and average 100%. Diesel 88% adequate, gasoline 86% adequate, LP gas 94% adequate.

IOWA: Quite hot until turning much cooler weekend. Thundershowers mostly at midweek with heaviest amounts in north and central.

Fieldwork: 5.3 days favorable. Topsoil and subsoil moisture adequate. Corn in or past milk stage 75%, 1978 77%; in or past dough stage 30%, 1978 30%, normal 47%. Soybeans setting pods 89%, 1978 79%, normal 79%. Oats harvested 96%, 1978 100%, normal 100%. Second crop clover hay harvested 80%, 1978 79%, normal 68%. Third crop alfalfa hay harvested 21%, 1978 15%, normal 23%. Crop conditions relatively unchanged. Livestock market movement slow; herd replacement variable, mostly slow.

KANSAS: Precipitation averaged 0.10 in. southwest, 0.25 to 0.50 in. elsewhere, occurring mostly 10th. Temperatures averaged 76° southwest, 78 to 82° elsewhere, 1 to 3° above normal north to 4° below normal southwest.

Corn 45% in dough stage, 50% last year, 60% average; dented 15%, 15% last year, 20% average. Sorghum headed 45%, 45% year ago, 45% average. Soybean setting pods 45%, 50% last year, 45% average. Third cutting alfalfa 65% complete, 65% last year, 60% average. Fieldwork: 6.0 days suitable.

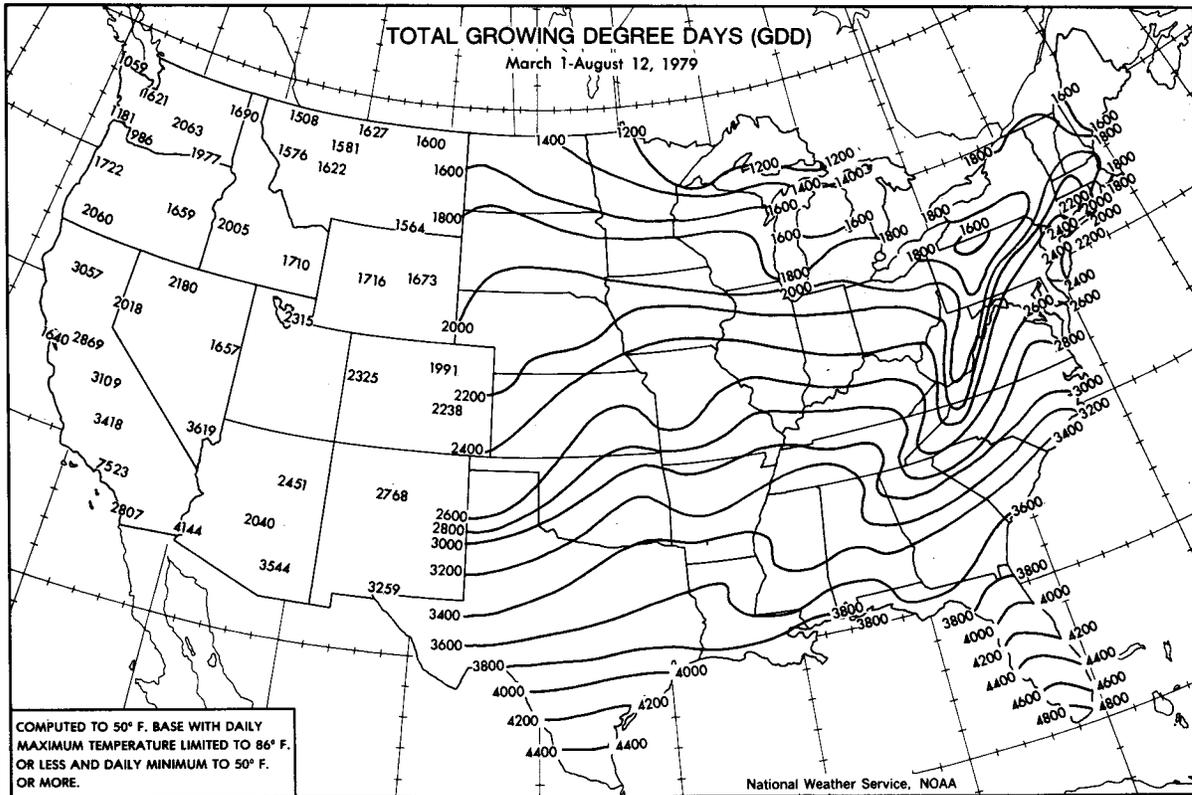
KENTUCKY: Hot and dry weather until weekend, then much cooler. Precipitation above normal with 1.50 in. occurring late week. Temperatures several degrees above normal.

Tobacco crop fair, soybeans good, corn excellent, hay and pasture good to excellent. Burley 43% topped, 32% last year, 48% normal. Dark tobacco 54% topped. Burley damaged by blue mold. Corn 43% milk stage or earlier, 38% dough and 19% dent; behind last year. Late corn infested by armyworms. Soybeans 58% blooming or podding, 62% last year. Late beans good. Hay harvest active.

LOUISIANA: Temperatures normal to 2° below normal. Extremes: 105 and 69°. Scattered light showers.

Fieldwork: 5.5 days suitable. Soil moisture adequate. Cotton good; 98% setting bolls, 97% last year. Soybeans good; 76% blooming, 88% last year; 50% setting pods, 67% last year. Rice fair to good; 78% headed, 87% last year; 39% ripe, 59% last year; 24% harvested, 44% last year, 37% average. Corn fair to good; 98% dough; 80% mature, 97% last year; 15% harvested, 32% last year, 19% average. Sorghum fair to good; 94% headed, 91% last year; 65% turning color, 51% last year; 17% ripe, 14% last year. Sweetpotatoe good; 8% dug. Sugarcane good. Hay, pastures, cattle good.

MARYLAND AND DELAWARE: Temperatures 2 to 3° above normal. Highs in upper 80's and lows in upper 60's to low 70's. Precipitation widespread and irregular, 0.50 to 3.00 in.



Fieldwork: 6.6 days suitable. Soil moisture mostly adequate. Fuel supplies adequate. Corn 85% silked, 85% last year, 93% normal; dough stage 35%, 40% last year, 48% normal; dent stage 20%, 22% last year, 19% normal. Soybeans 45% bloomed, 50% last year, 55% normal. Third cutting alfalfa 40% complete.

MICHIGAN: Temperatures 1 to 4° below normal. Warm early week, 90° southern Lower. Cooling end of week, some frost northern Lower and Upper. Precipitation moderate, mostly midweek. Heaviest eastern Upper and northern Lower. Statewide averaging 1.00 in.

Fieldwork: Under 5 days suitable. Soil moisture generally adequate. Pasture feed supplies average. Corn 15% doughed, 20% last year, 30% normal. Wheat harvest near completion, about normal. Oats 30% harvested, 70% last year, 65% normal. Dry beans 50% setting pods, 65% last year, 56% normal. Soybeans 40% setting pods, 50% last season, 52% normal. Second cut hay 65% complete, 80% last season, 65% normal. Tart cherry harvest virtually completed. Blueberries 35% picked. Summer apple and peach 35% harvested. Vegetable harvests: Sweet corn 30%; snap beans, cabbage, cucumbers about 40% complete; tomatoes, carrots under 15% harvested.

MINNESOTA: Temperatures near normal except for extreme north central and southeast up to 4° below normal. Extremes: 96 and 38°. Precipitation averaged 0.59 to 1.00 in. below normal in north, slightly above normal central, up to 2.00 in. above normal southwest and south central. Precipitation totals marginal north with several stations reporting zero; 1.00 in. or greater central and southeast; 3.00 in. or more southwest.

Heavy rains slowed small grain harvest southern areas; oats, barley harvest gaining momentum other areas. Moisture surplus southern areas; short to adequate elsewhere. Row crops developing late. Most corn pollinated. Early frost concern many corn growers. Soybeans setting fewer pods than normal. Sweet corn pack underway. Corn 96% tasseled, 1978 99%, normal 98%; in milk 22%, 1978 66%, normal 67%. Soybeans 97% blooming, 1978 99%, normal 99%; setting pods 50%, 1978 73%, normal 76%. Combined: Spring wheat 5%, 1978 34%, normal 42%; oats 16%, 1978 65%, normal 67%; barley 12%, 1978 73%, normal 66%; winter wheat 38%, 1978 90%, normal 89%; rye 34%, 1978 84%, normal 90%. Flax 25% turning ripe, 1978 64%, normal 74%.

MISSISSIPPI: Temperatures near normal. Extremes: 63 and 98°. Some scattered locally severe thunderstorms early week and scattered showers late week.

Soil moisture mostly adequate except adequate to surplus central and north central. Fieldwork: 4.9 days suitable. Mostly clear weather allowed farmers to apply herbicides to soybeans and harvest hay and silage. Soybeans 84% blooming, 85% 1978, 77% average; 42% podding, 43% 1978, 44% average, condition good. Cotton 92% setting bolls, 99% 1978, 92% average; condition fair to good. Rice 35% headed, 51% 1978, 47% average; condition good. Corn 98% in or past dough stage, 98% 1978; 75% dented, 80% 1978; 33% mature, 37% 1978; condition good. Sorghum 66% headed, 74% 1978. Hay crops 62% harvested, 69% 1978, 61% average. Watermelons 86% harvested, 85% 1978, 82% average. Peaches 91% harvested, 87% 1978, 93% average. Sweetpotatoes 3% harvested, 7% 1978, 8% average. Peanuts 5% harvested, 4% 1978. Pasture condition good. Diesel and gasoline supplies adequate to tight; LP gas adequate.

MISSOURI: Temperatures 1° above normal southwest, 3 to 5° above normal elsewhere. Precipitation spotted and very light.

Fieldwork: 6.2 days suitable. Corn 92% silked, last year 61%, normal 90%; 44% dough stage, last year 24%, normal 61%. Soybeans 69% blooming or beyond, last year 65%, normal 71%; 42% setting pods, last year 33%, normal 41%. Grain sorghum 65% headed, last year 56%, normal 69%. Cotton 77% setting bolls, last year 89%, normal 86%. Alfalfa hay third cutting 43% harvested, last year 37%, normal 42%. Condition of corn, soybeans and pasture mostly good. Condition of cotton mostly fair. Soil moisture supplies mostly short to adequate. LP gas supplies mostly adequate. Diesel fuel and gasoline supplies mostly tight to adequate.

MONTANA: Readings quite warm, especially early week temperatures edged close to 100° many sections. Temperatures averaged 4 to 6° above normal west of Divide and in southwest portion east of Divide, and from 1 to 3° above normal elsewhere. Precipitation well below normal. Some widely scattered thundershowers affected northeast and southwest but amounts light.

Winter wheat harvest well underway. Soil moisture short, rain needed. Fieldwork: 7 days suitable. Spring grain harvest expected to be later than normal. Winter wheat harvested 45%, 40% 1978, 50% average. Spring wheat harvested 0%, 5% 1978, 15% average. Barley harvested 5%, 10% 1978, 20% average. Oats harvest 5%, 15% 1978, 20% average. Second cutting alfalfa 10%; wild hay cut 80%. Range feed supply and stock water mostly adequate.

NEBRASKA: Temperatures near to slightly above normal. Precipitation general, averaged 0.25 in. Panhandle to over 1.00 southeast. Southwest received lightest amounts.

Corn silking 95%, year ago 100%, normal 100%; dough 25%, year ago 20%, normal 40%. Sorghum heading 70%, year ago 75%, normal 95%. Soybeans podding 70%, year ago 80%, normal 85%. Third cutting alfalfa 15% complete, year ago 15%. Diesel fuel 75% adequate, 25% tight; gasoline 85% adequate, 15% tight; LP gas adequate. Fieldwork: 6.6 days suitable.

NEVADA: Temperatures averaged from slightly above to 10° above normal. Scattered thundershowers midweek brought only light precipitation.

Harvesting small grains active. Haying well along. Ranges continue to dry most areas.

NEW ENGLAND: Temperatures normal and humidity low 6th to 10th. October-like weather 11th and 12th. Scattered showers 7th, 8th, and 10th; 1.00 to 3.00 in. 11th and 12th east and south.

Scattered showers brought relief to drought-like conditions. Corn coming on. Corn borer causing some potato damage in Aroostook County, Maine. Vegetables in good supply and apples sizing well. Fuel tight to adequate. Soil moisture, grazing continue very short to adequate.

NEW JERSEY: Temperatures averaged 1 to 3° below normal. Extremes: 47 and 95°. Rainfall averaged 2.68 in. north, 2.24 in. central, 2.93 south. Soil moisture in percent of field capacity 71% north, 77% central, 65% south. Soil temperature 67° north, 75° central and south.

Fieldwork: 6.2 days suitable. Weekend rain beneficial to non-irrigated crops. Cooler temperatures welcome. Summer vegetables in good supply. Blueberry harvest about complete. Peach movement continued to increase, mid-season varieties in good supply. Summer apples in good

supply. Field corn and soybeans continue to develop well. Rain has temporarily halted hay and straw baling. Wheat and oat combining also stopped.

NEW MEXICO: Precipitation of over 1.00 in. recorded in higher elevations while eastern plains received only traces.

Cotton fair with over half crop setting bolls. In south, alfalfa 3d cutting 90% complete and 4th cutting 10% complete. In north, 2d cutting almost over and third cutting underway. Corn and grain sorghum in very good condition. About 90% of corn reached tasseling stage, about 75% of crop on eastside reached dough stage. About 25% of irrigated grain sorghum crop headed and 10% of dryland. Few early variety apples being picked. Peanuts blooming; pecans in good condition. Fall lettuce planting nearly complete. Ranges and livestock good.

NEW YORK: Temperatures 5° below normal. Rainfall below normal most areas, above normal southeast.

Wheat harvest 80% complete, 70% 1978. Oat harvest 25% complete, 1978 same. Second cutting alfalfa 65% done, 55% 1978. Some third cutting starting. Regrowth variable. Sweet corn, snap beans, cabbage in good condition. No serious insect problems.

NORTH CAROLINA: Temperatures near normal to above normal late week. Precipitation subnormal.

Fieldwork: 6.1 days suitable. Soil moisture short. Condition of tobacco, corn, cotton, peanuts, soybeans, hay, pasture, sweetpotatoes, and apples fair to mostly good. Harvested: Flue-cured tobacco 58%, 1978 39%, average 52%; apples 9%, average 16%. Phenological stages: Corn dent 70%, mature 37%; soybeans flowering 45%, pods set 11%.

NORTH DAKOTA: Week began hot and dry and finished cool and dry. Temperatures averaged near normal with early highs near 90° and end of week highs low to mid-70's. Extremes: 95° south central to 41° northeast and southeast. Precipitation near zero for most section. Showers generally in east.

Cooler temperatures and scattered showers some areas helped development of late small grain and row crops. However, soil moisture becoming short many areas. Harvest of oats and barley underway. Spring wheat getting started south and central areas, harvest lags behind normal. Percents swathed or combined and normal: Hard red spring wheat 9%, 39%; durum 4%, 21%; oats 23%, 56%; barley 34%, 61%. Row crops also late. Sunflower 51% in bloom compared to 81% bloom or beyond normally. Spraying for control of armyworms which caused considerable damage especially southwest and south central. Concern over grain transportation and storage situation.

OHIO: Warm muggy weather prevailed but cleared during weekend.

Insects becoming more of problem. Main activities included harvest oats, potatoes and timothy seed. Third cutting hay underway. Corn milk stage 35%, 25% 1978. Soybeans pods fully set 20%, 20% 1978, 25% average. Soybeans setting pod 70%, 60% 1978, 85% average. Oats harvested 80%, 90% 1978, 100% average. Potatoes dug 15%, 20% 1978, 20% average. Alfalfa third cutting 15%, 15% 1978, 15% average. Tobacco topped 35%, 30% 1978, 25% average. Fieldwork: 4.5 days favorable. Pasture condition good. Soil moisture adequate to surplus.

OKLAHOMA: Temperatures near normal extreme north-east but 2 to 4° below normal elsewhere. East

central and southeast reported 1.20 and 0.71 in. of rain respectively. Other areas reported light amounts.

Weather open with good growing conditions. All crops doing exceptionally well and good condition. Sorghum heading 45% 1979, 35% 1978, 75% average; milk to soft, 15% 1979, 15% 1978, 35% average. Cotton squaring 100% 1979, 1978 and average; setting bolls 40% 1979, 45% 1978, 60% average. Fieldwork: 6.6 days suitable.

OREGON: No rainfall. Temperatures averaged near normal most stations, 3 to 7° above normal across southeast.

Soil moisture supplies short. Winter wheat 86% harvested; yields variable. Spring grains being harvested. Grass seed harvest about complete except for bentgrass. Field burning, plowing, and other field preparation underway for fall plantings of grasses. Mint and sugar-beet harvests underway. Peach harvest continuing. Gravenstein and other early apples being picked. Bartlett pears one week away; size and quality good. Blueberry and Evergreen blackberry only berries being picked now. Snap bean harvest continues; good yields. Sweet corn being picked. Potatoes developing well in late areas; harvest picking up in early areas. Livestock fair to mostly good condition. Range and pastures poor to mostly fair condition. Cattle now being fed in many areas as a result of short, dried up pastures and grasshopper damaged ranges. Extreme fire danger on forested ranges.

PENNSYLVANIA: Partly cloudy, dry and somewhat cooler than normal beginning and end of week. Humid with temperatures mostly in 70's to 90's midperiod. Averages 1 to 5° below normal for coolest week since early July. Extremes: 93 and 37°. Almost daily showers brought 1.00 to 3.00 in. rainfall for wettest week statewide since end of May.

Fieldwork: 5 days suitable. Soil moisture adequate. Activities: Making hay; combining oats, wheat; baling straw; filling silos, plowing; spraying; digging potatoes; harvesting fruits and vegetables. Wheat 90% combined. Oats 56% combined, last year 43%. Potatoes 19% dug, last year 8%. Corn 15% dough, last year 18%, normal 23%. Fall plowing 5%, last year 10%. Alfalfa hay second cut 73%, third cut 10%. Clo-tim second cut 45%. Hay quality good to fair. Feed from pastures average. Harvesting apples, peaches, cabbage, sweet corn and tomatoes.

PUERTO RICO: Island average rainfall 0.69 in. or 0.93 in. below normal. Temperatures averaged about 82° on coasts and 76° interior. Extremes: 94 and 59°.

SOUTH CAROLINA: Hotter, dryer than usual, although decided downswing at end of period. Scattered showers, thundershowers 11th and 12th.

Soil moisture short. Fieldwork: 6 days available. Corn silage harvest nearing full swing; some insect problems; 93% dough stage, 95% last year; 66% mature, same as 1978, 62% average; grain harvest 10%, same as last year, 14% average. Cotton fair to good, some in dry stress; bollworms generally under control, weevils building up, occasionally heavy numbers; setting bolls 99%, 95% last year and average; no open bolls, 4% last year and average. Soybeans fair to good with dry stresses; 72% blooming, 64% last year, 62% average; 26% setting pods, 34% last year, 29% average; podworms increasing; crop badly needs more rain all production areas. Tobacco 87% harvested, 71% last year, 80% average.

Peaches fair to good, sizing and quality good, 91% harvested, 91% last year, 94% average; shipments from Piedmont about over by August 21. Apples 10% harvested, good prospects.

SOUTH DAKOTA: Average temperatures 4° subnormal to 5° above normal. Extremes: 107 and 41°. Scattered thunderstorms. Precipitation greatest east central.

Rains continue to delay harvest. Fieldwork: 4 days suitable. Winter wheat harvest complete southern third. Small grain harvest 10 days to 2 weeks behind average. Armyworms and grasshoppers continue to do damage. Some corn borer reports southeast. Spraying underway with variable success. Main farm work, harvesting. Farm fuel supplies tightened but still mostly adequate. Topsoil moisture supplies surplus northeast and east central; short in a north-south belt in west and along southern border; elsewhere adequate. Hay harvest made little progress. Row crops in good to excellent condition. Development near last year. Winter wheat 85% harvested, 1978 99%, average 98%. Rye 67% harvested, 1978 94%, average 96%. Oats 60% harvested, 1978 84%, average 88%. Spring wheat 31% harvested, 1978 58%, average 75%. Barley 56% harvested, 1978 83%, average 90%. Alfalfa 2d cut 73% harvested, 1978 73%, average 80%. Wild hay 65% harvested, 1978 65%, average 81%. Flax 6% harvested, 1978 3%, average 24%. Corn 15% in dough or beyond, 1978 13%, average 20%. Soybeans 96% in bloom or past, 1978 86%, average 97%. Soybeans 61% podded, 1978 63%, average 73%. Sorghum 53% headed, 1978 57%, average 57%. Sorghum 2% showing color, 1978 5%, average 3%.

TENNESSEE: Fair most of week, rain at weekend. Amounts 0.25 to 1.50 in. Temperatures near normal early week, 5 to 7° below normal weekend.

Soil moisture adequate. Fieldwork: 5.5 days suitable. Corn dough stage 79%, 1978 84%, average 78%; dent stage 41%, 1978 45%, average 41%. Cotton setting bolls 99%, 1978 100%, average 92%. Soybeans blooming 77%, 1978 86%, average 77%; setting pods 31%, 1978 43%, average 35%. Burley tobacco topped 55%, 1978 62%, harvested 7%, 1978 3%, average 9%. Row crops mostly fair to good condition, fall armyworms in late corn, blue mold in tobacco, weeds in soybeans. Pasture good condition. Cattle good condition, flies a problem.

TEXAS: High pressure dominated producing scattered showers. By weekend, cool front pushed southward to Coast. Temperatures 4 to 6° below normal over northwest quadrant; remainder near normal. Rainfall above normal Edwards Plateau, Coast, East Texas and North Central; below normal western Panhandle; normal elsewhere.

Hot weather promoted cotton development on Plains while aiding South Texas, Valley. Soil moisture adequate although Central Texas would welcome rain. Sorghum and corn harvest continued South Texas. Insect activity light statewide. Autumn-like temperatures over Panhandle at weekend established record lows. Cotton weather prevailed Panhandle until cool front weekend. Hot, dry weather needed through September for Plains crop to overcome earlier slow development. Beneficial insects controlling harmful ones although bollworm and weevils caused concern South Texas. Half of Valley crop picked. Sorghum harvest centered Blacklands although Low Plains producers began. Midge problem isolated areas. High Plains corn producers spraying southwestern corn borer. Harvesting confined South and Central Texas. Soybean setting pods throughout Panhandle. Crop good shape statewide although excess moisture

coast. Peanut producers sprayed leaf spot, irrigation underway Edwards Plateau, South Texas. Cotton squaring 100%; setting bolls 73%; open bolls 12%; harvested 4%, 7% 1978, 4% average. Rice turning color 89%; harvested 58%, 72% 1978, 65% average. Sorghum headed 79%, turning color 65%, mature 55%, harvested 44%, 60% 1978, 49% average. Corn harvested 12%, 24% 1978, 17% average. Peanuts harvested 2%, 6% 1978, 4% average.

Lower Rio Grande Valley, sweet corn, bell peppers, cauliflower and tomatoes being planted. Land preparation other fall vegetables active. Producers continued general maintenance of citrus groves. Coastal Bend land preparation fall cabbage and cucumbers continued. San Antonio-Winter Garden, fall vegetable planting active. Bell peppers and tomatoes making good progress. Eagle Pass, cauliflower planting active. Cantaloup harvest continued. East Texas, harvest cucumbers and tomatoes winding down. Some early sweetpotato fields being harvested. Land preparation fall vegetables active. Central Texas, watermelons move to market good volume. Land preparation and planting fall vegetables continued. North Texas, okra, tomatoes and cantaloup good supply. Limited acreage watermelons and sweetpotatoes harvested in Flomot area. High Plains, onions, potatoes, cucumbers and cabbage continued move to market. Cantaloups, watermelons and tomatoes in full production. Trans-Pecos, onion and watermelon harvest continued around El Paso. Peach harvest winding down across the State; supplies still available in Central, East, and North Texas. Pecan nutlets sized well across State. Producers continued spraying weevils and second generation casebearers.

Pastures and ranges greening up across State; abundant grazing most areas. Ranges in Trans-Pecos and South Texas dry. Hay baling active where weather permitted. Cattle in good to excellent condition; calves making good gains.

UTAH: Recurring scattered showers and thunderstorms principally west. Amounts generally light to moderate but locally heavy few isolated areas. Rising trend temperatures forepart period but cooling weekend. Temperatures ranged from near normal to 7° above.

Soil moisture deficit continued critical most lower elevation ranges and fields. Fire danger high. Feed supplies poor to fair. Some water hauling moving of livestock. Fieldwork: 7 days suitable. Second crop alfalfa 85% cut; other hay 80% harvested; quality good, some rain damage. Winter wheat 65% harvested; spring planted small grains 50% harvested. Corn 60% silking. Tart cherry harvest 98% complete, apricots 85 to 90% complete. Gasoline, LP gas generally adequate. Diesel tight to adequate.

VIRGINIA: Temperatures averaged a little above normal. Extremes: 98 and 51°. Scattered, mainly afternoon thunderstorms, with some locally heavy rain but none in some areas. Rainfall averaged from 0.33 to 0.50 in.

Topsoil moisture short to adequate. Fieldwork: 5.6 days suitable. Tobacco harvest progress: Flue-cured 16%, 9% 1978, 19% average; fire-cured 6%, 1% 1978, 6% average; sun-cured 16%, 0% 1978, 3% average; burley 3%, 0% 1978, 3% average. Hay harvest very active. Corn silage harvest just beginning. Spraying peanuts and tobacco with disease controls and growth regulators. Apple and peach picking continued.

WASHINGTON: West: Temperatures averaged normal. Precipitation averaged near zero.

Continued warm and dry weather causing moisture stress in many crops and pastures also, pushed pea harvest ahead of schedule. Vegetable harvests continued. Blueberry peak production. Flower bulb digging near completion. Excellent haying operation, good quality.

East: Temperature 1 to 2° above normal, virtually no precipitation.

Peaches being picked, Bartlett pears just starting. Apples sizing well. Mint, sweet corn, and early potato harvests continued. Excellent grain harvest conditions; harvest 75% completed. Dry pea and lentil harvests moving along rapidly. Some stockmen forced to start supplemental feeding. Soil moisture poor to fair throughout dryland area. Wheat harvest 79%, 1978 59%.

WEST VIRGINIA: Temperatures 4° above normal. Extremes: 95 and 48°. Precipitation well above normal.

Fieldwork: 4.3 days suitable. Soil moisture adequate to short. Main farm activities: Haying, harvesting small grains and clipping pasture. Oats harvested 64%, 68% 1978. Corn mostly good condition. Some armyworms in late planted corn. Hay 2d cutting 36%, 39% 1978. Hay condition mostly good to fair. Fuel supply mostly adequate.

WISCONSIN: Temperatures 3° below normal. Warm and humid 7th and 9th with temperatures upper 80's and lower 90's. Cooler with highs in 70's rest of week and lows in 50's and 60's except 40's 11th. Extremes: 94 and 38°. Showers and thunderstorms south 8th, becoming heavier and statewide 9th with 1.00 to 2.00 in. totals many areas. Some storms severe with damaging winds. Cooler and drier weekend.

Fieldwork: 5 days suitable. Rains midweek hampered hay and combining. Oats 20% harvested, 1978 45%, normal 45%. Heavy rain and strong winds lodged considerable oats. Late oats north just beginning to turn. Winter wheat, barley, and rye being harvested. Second crop hay 65% harvested, 1978 70%, normal 55%. Some second crop spoiled by poor drying conditions. Third crop coming fast with adequate moisture. Pasture conditions above normal and improving after recent rains. Corn and soybeans very good condition most areas. Corn 75% silked, 1978 90%, normal 80%. Moisture adequate southern half for corn crop development, some northern areas need more rain. Soybeans podding. Tobacco being topped, some storm damage. Pea harvest mostly complete, very good crop. Harvesting sweet corn, snap beans, beets, and early potatoes. Cherry harvest continuing, good crop. Early apples being picked. Soil moisture short north, adequate to surplus other areas.

WYOMING: Temperatures near normal to 5° above normal. Maximum temperatures ranged from 92 to 107° and minimum 37 to 56°. Northeast recorded above normal precipitation. Most other areas near normal.

Topsoil and subsoil moisture short. Winter wheat mature 96%, harvested 80%. Spring wheat turning color 78%, mature 44%, harvested 15%. Barley turning color 92%, mature 58%, harvested 29%. Oats turning color 76%, mature 40%, harvested 14%. Corn fair to good condition, 74% tasseled, 58% silked. Potatoes mostly good condition, most bloomed. Sugarbeets good condition. Dry beans mostly good condition, 90% bloomed, 48% setting pods. Windrowing expected to start by September. Fieldwork: 6 days suitable. Stock water adequate to short.

World Weather and Crop Update

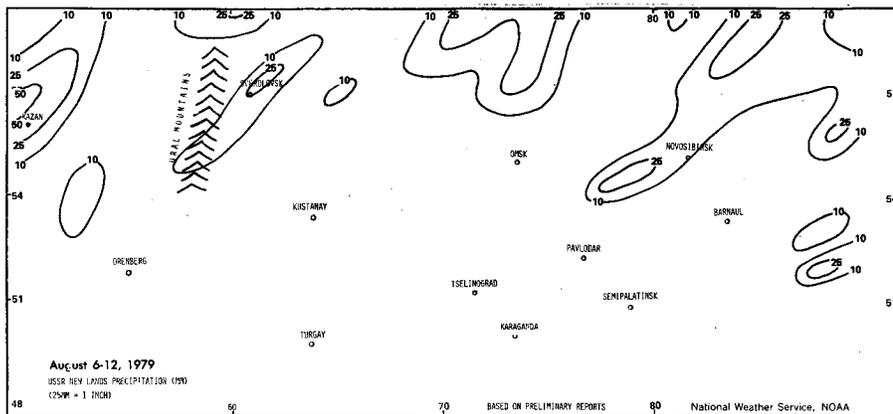
August 6 - 12

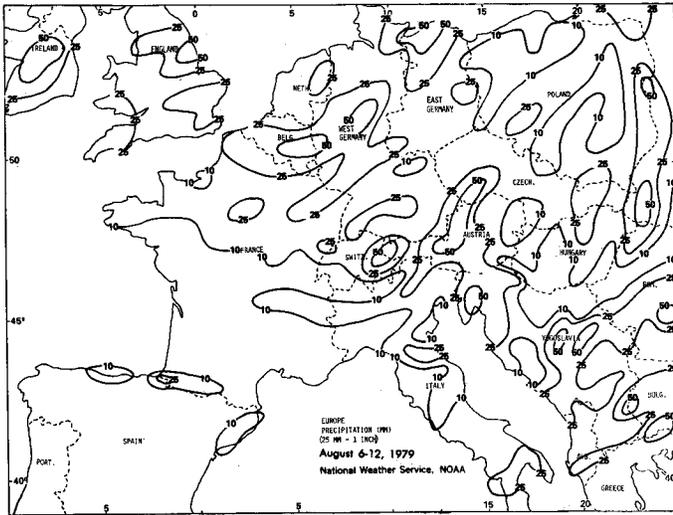
HIGHLIGHTS:

- USSR.** Harvesting winter grains in the north. Spring grains turning. Drier weather in most areas. Generally fair weather.
- EUROPE.** Harvesting winter grains in the north. Generally favorable conditions.
- CHINA.** Harvesting spring wheat. Late rice heading.* Disruption by rain in some areas. Dry in some southern areas.
- INDIA.** Rice heading in the north.* Rice jointing in the southeast.* Adequate irrigation supplies. Very dry conditions.
- AUSTRALIA.** Winter barley jointing.* Continued dry weather.
- ARGENTINA.** Wheat mostly planted. Some beneficial rains.
- CANADA.** Spring grains turning in the south. Generally dry weather.

*Based on normal crop calendar information.

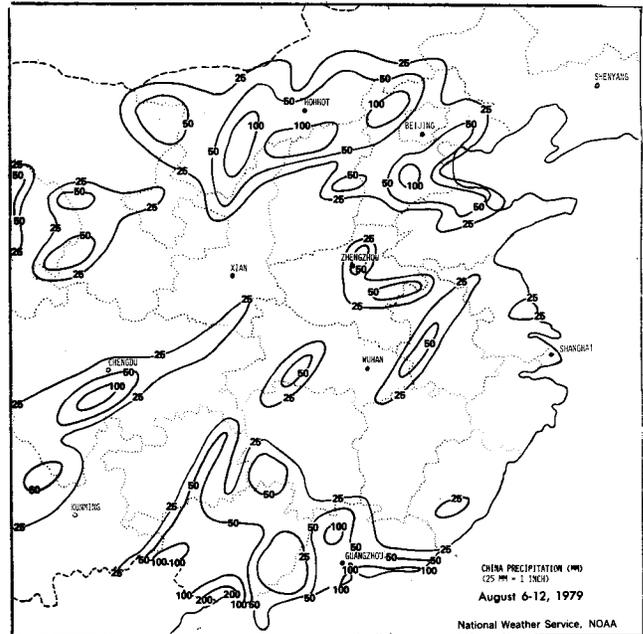
USSR. Generally fair weather spanned the current grain harvest area in western USSR. Some areas along the western border received above-normal amounts in a pattern similar to a year ago, but conditions in most areas were favorable for the harvest. This stands in marked contrast to the month of July, when grain harvest in more southerly areas was disrupted by abnormally cool, wet weather. Beneficial rains continued this week south of the Don River, an unexpected blessing at this time of year. In the New Lands, relatively dry weather persisted for the third consecutive week, as only light, scattered rains fell. Soil moisture should be adequate, with spring grains still filling only in the northern half. Lower than normal humidities have persisted in the southern half, but the harvest is beginning there, so conditions are generally favorable.



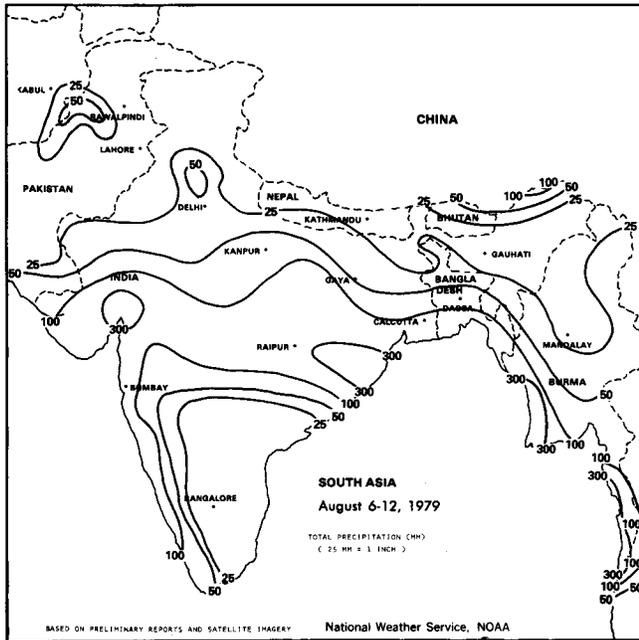


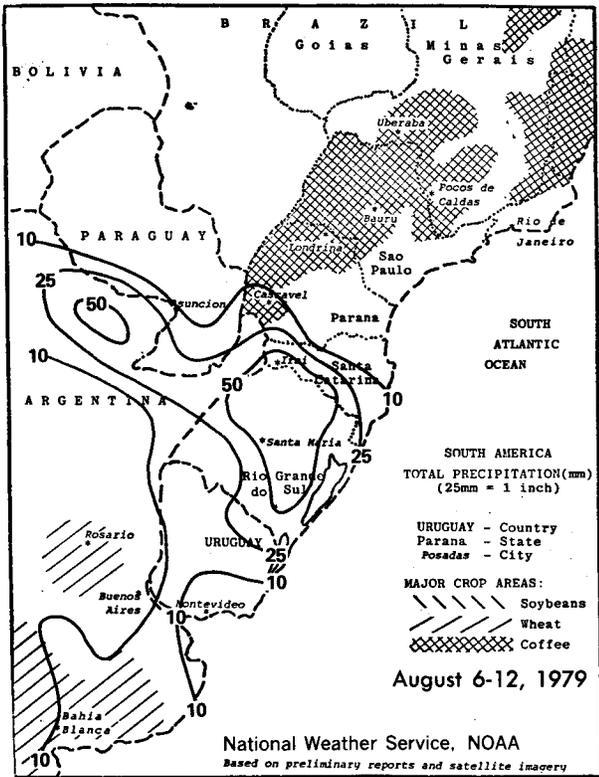
EUROPE. The above-normal rains disrupting winter grain harvest continued to shift westward into areas where the harvest was mostly completed. These rains were probably welcomed for the benefit of spring-planted crops in the United Kingdom, northern France, Belgium, and The Netherlands. Rainfall totals for the month of July had been much below normal in these areas. In southeastern Europe, wet and cool weather prevailed in maize-growing areas during July. Conditions have remained near normal in Romania so far in August but turned drier in Yugoslavia.

CHINA. Rain over most of China fell in a variable pattern again last week, but above-normal rains returned to the spring wheat areas of Inner Mongolia likely disrupting harvesting. July totals in most spring grain areas had ranged from near normal to well above making crop prospects quite optimistic. Most agricultural areas continue with good water supplies, though an area between the Yangtze and Yellow Rivers received excessive rainfall in July; no flood damage has been reported. Dry weather persisted in the highlands south of the Yangtze River, where some areas have received less than half normal rainfall since May, and irrigation supplies may be getting short.

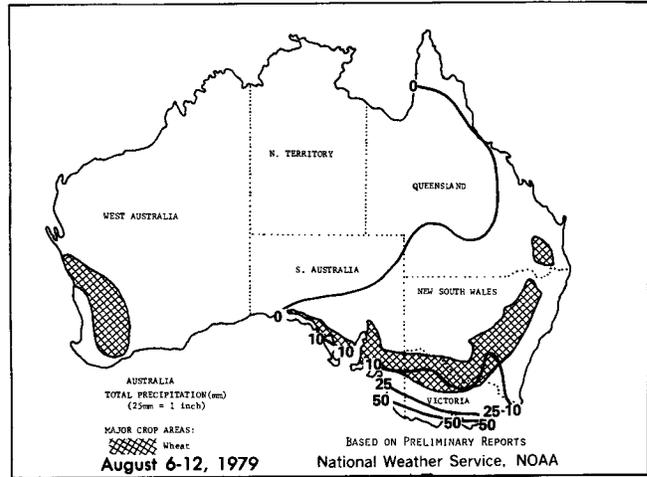


INDIA. A tropical disturbance, which developed in the Bay of Bengal from the remnants of Typhoon Hope, drenched central portions of India with excessive rainfall. The precipitation pattern was quite similar to last week's, and flooding has been reported. The previous week's relatively dry area in the Ganges Plain has shifted eastward, but irrigation continues adequate, as July rainfall was above normal over the entire northeast. The rain-deficient area in the southeast expanded last week. This important rice-growing area in coastal Andhra Pradesh has remained dry since the onset of monsoon activity, and even though the rice crop is planted later here, the outlook for the crop is dimming.





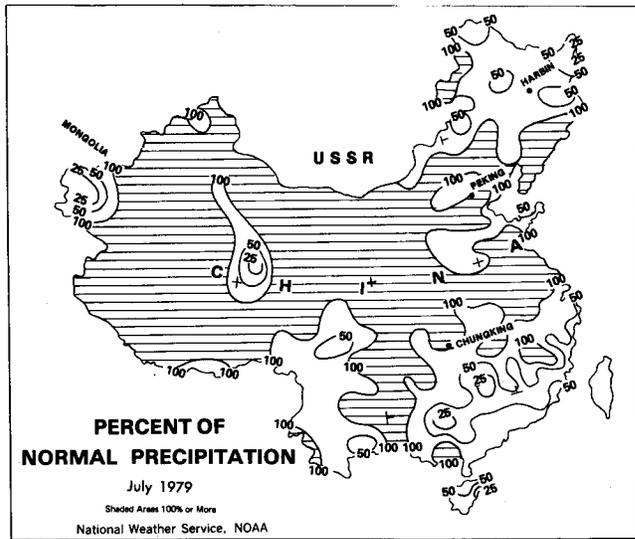
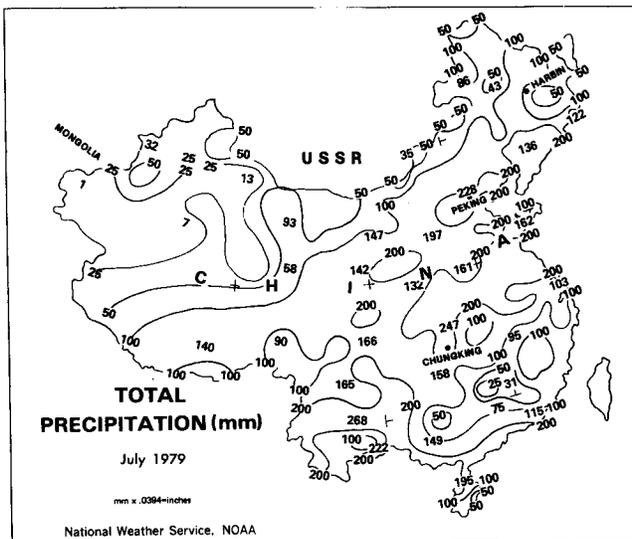
AUSTRALIA. Rains in extreme southern Australia only skirted the edges of grain-producing areas, while reports of concern about dry conditions mounted. July rainfall did not total one-fourth of normal in extensive crop areas in Victoria, New South Wales, and West Australia. The last good general rains in the east fell in May, while West Australia has been relatively dry since March, long before planting began.

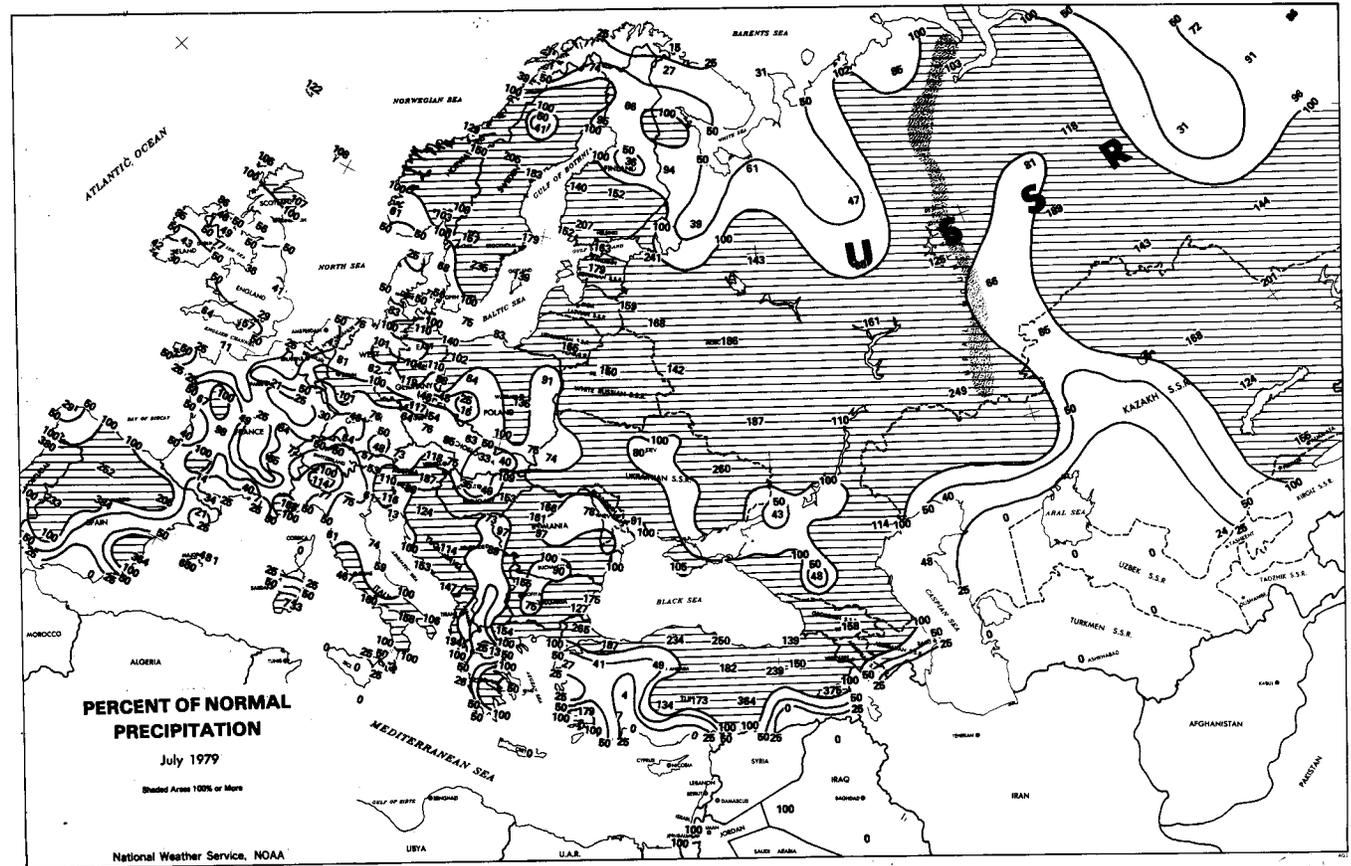
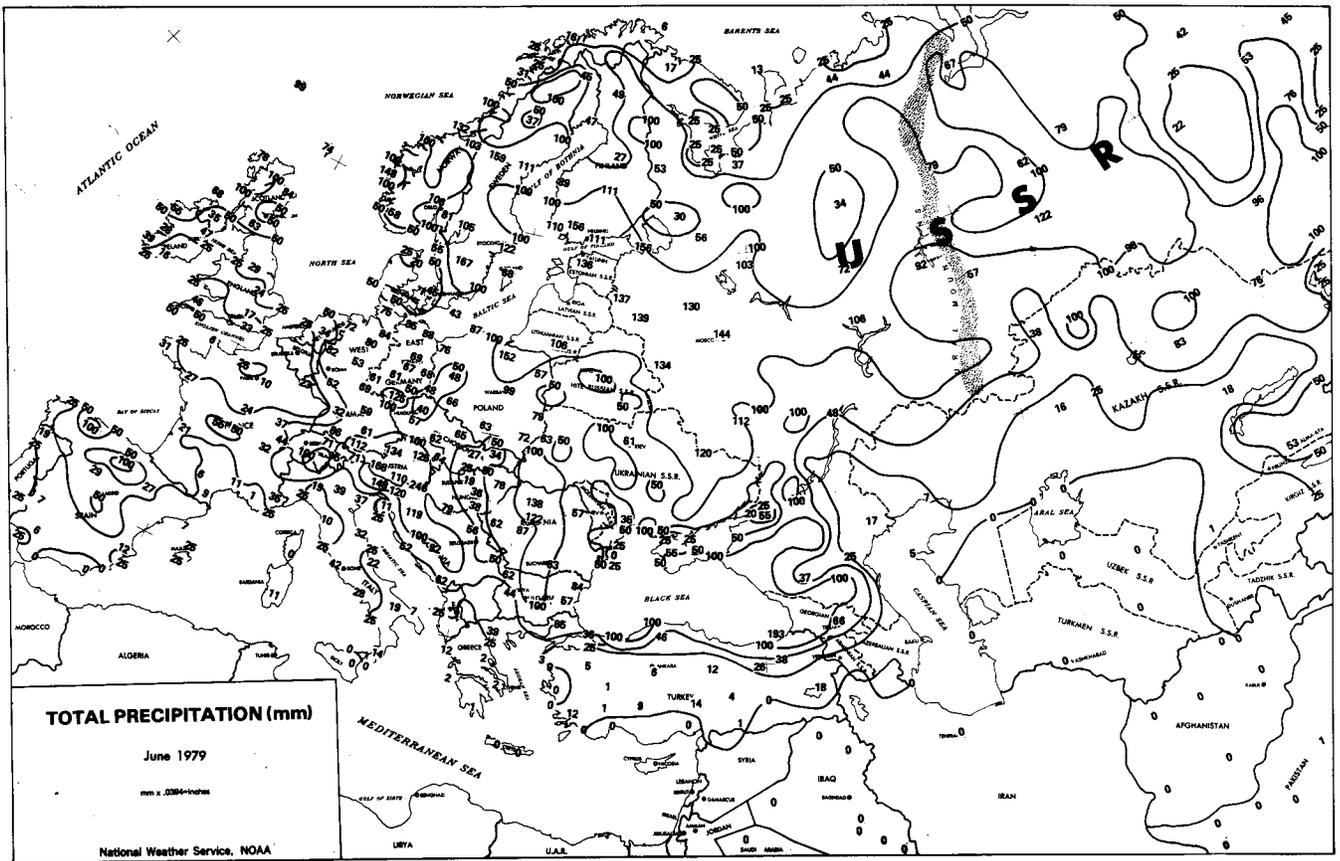


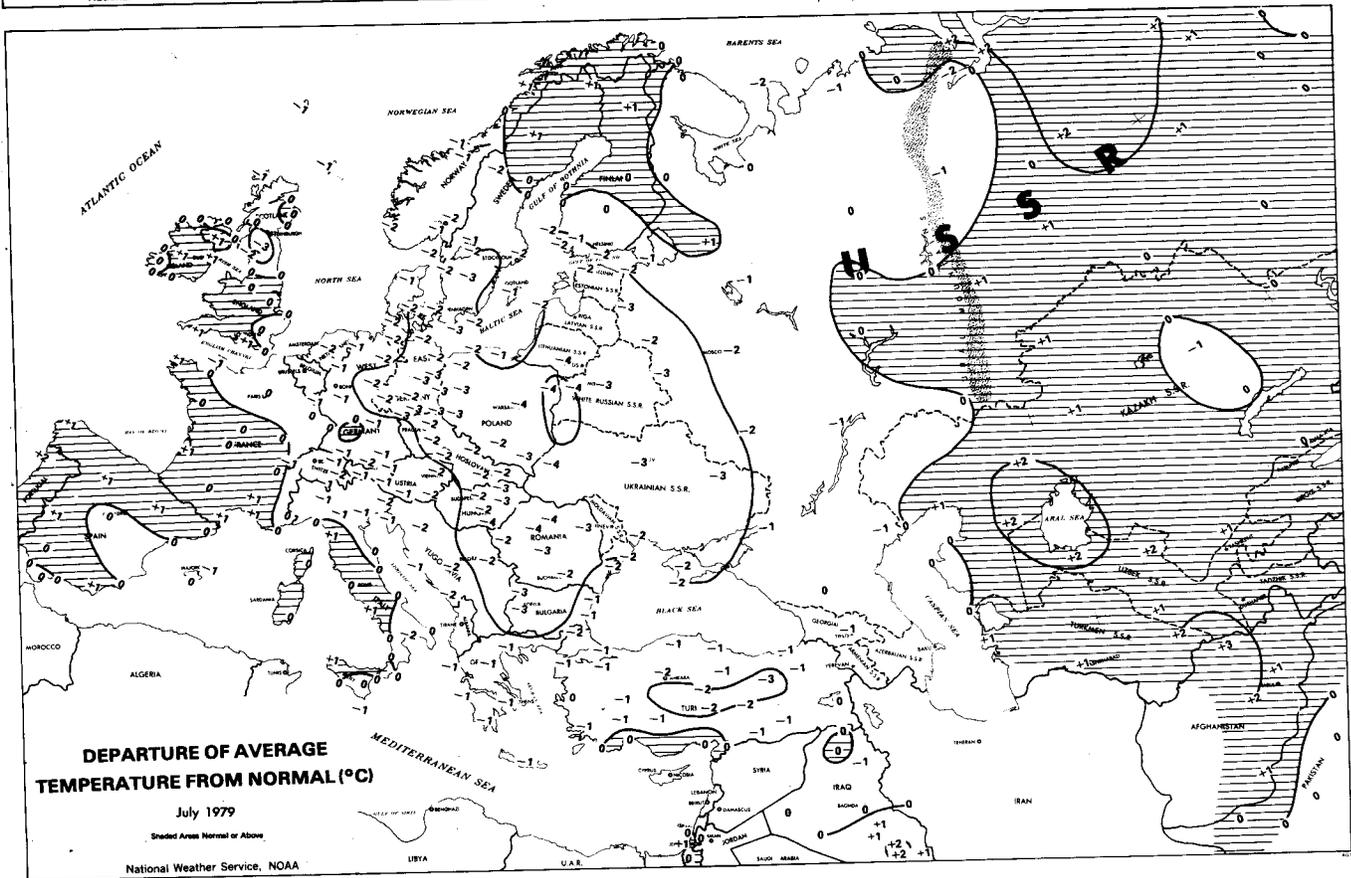
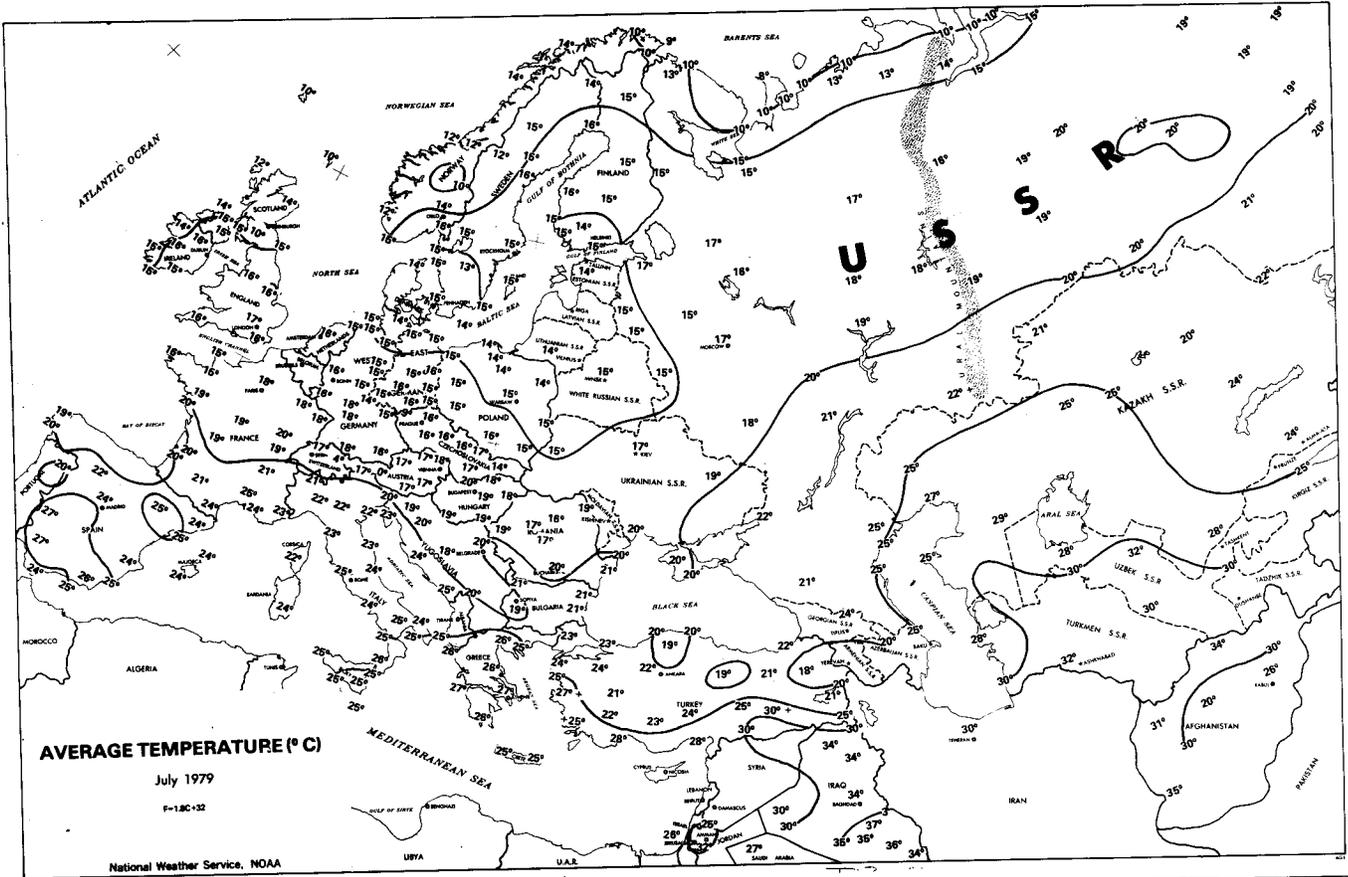
S. AMERICA. Reports indicate that 80 percent of the Argentine wheat crop has been planted and is in satisfactory condition. Only an area in south-western Buenos Aires Province remains unplanted due to dry conditions. Very little rain had fallen since May, and July temperatures ranged much above normal, but this week about 10 mm were received---above normal for this season. That should permit further planting progress, but soil moisture remains inadequate for normal plant development in this area. In Brazil, the danger of frost is nearly over. Above-normal rainfall in soybean-growing areas continued a trend begun in July, further replenishing soil moisture.

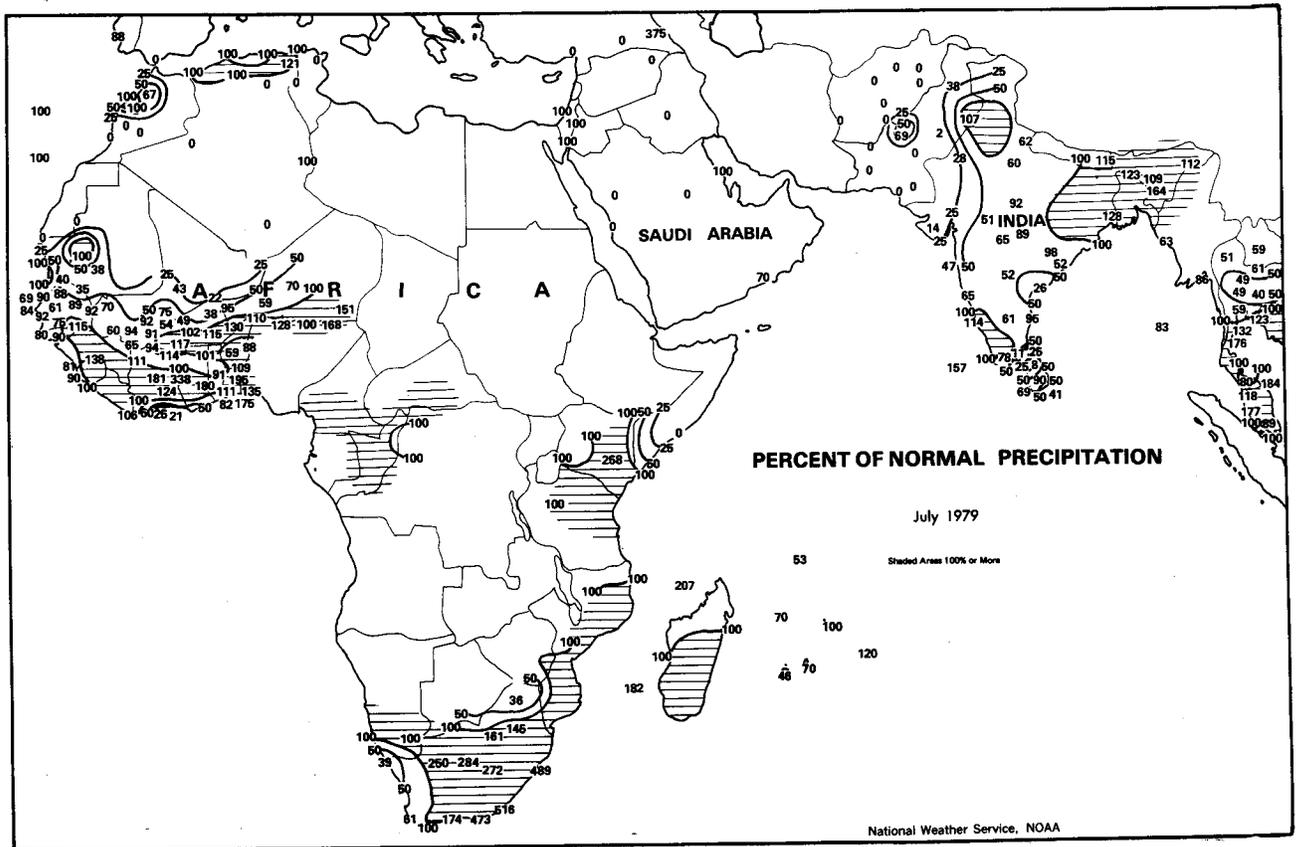
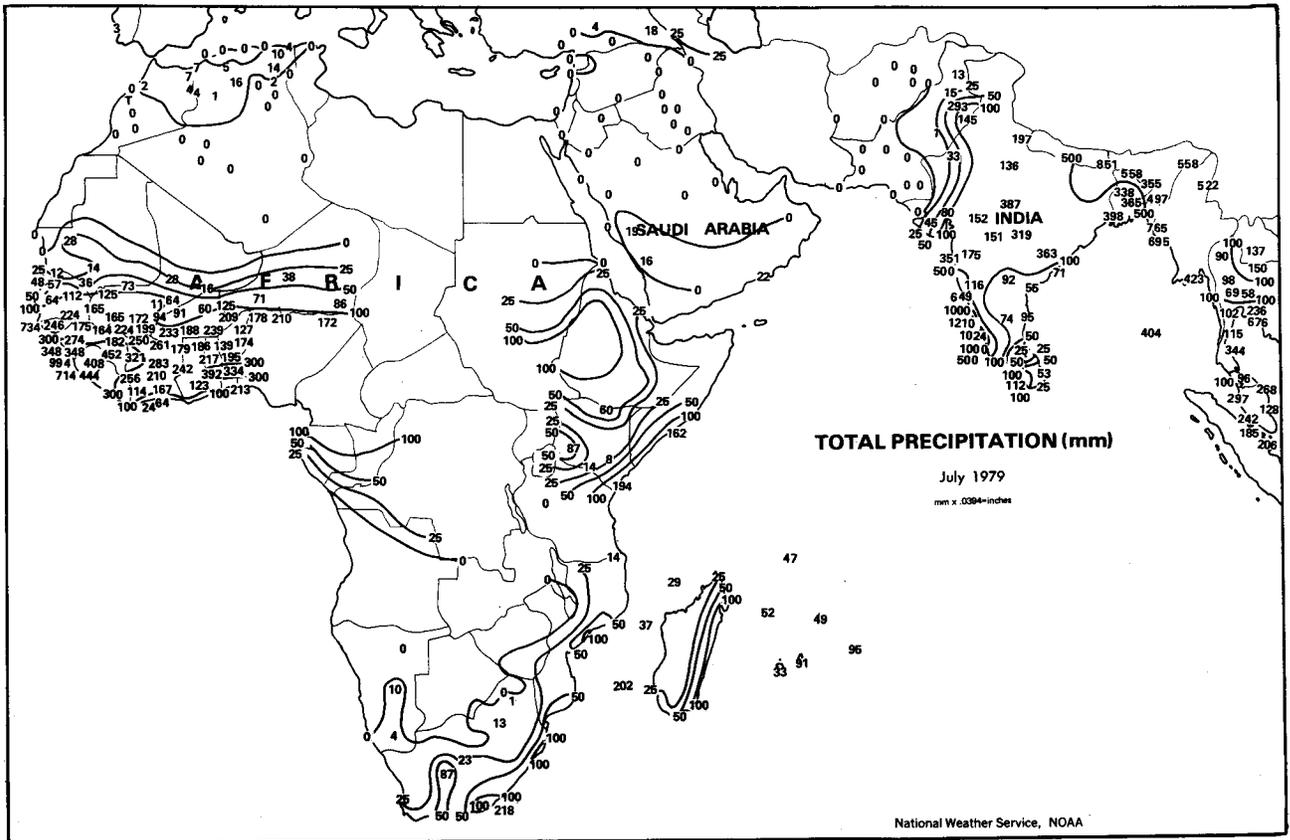
CANADA. Reports indicate that rainfall now in the southern portions of the Prairie Provinces would be too late to help grain crops. Most cereal crops are either turning or are into the dough stage with harvesting of early stands beginning. Further north, rainfall has been sufficient for crop development, but freezing temperatures on August 14 have complicated the picture there.

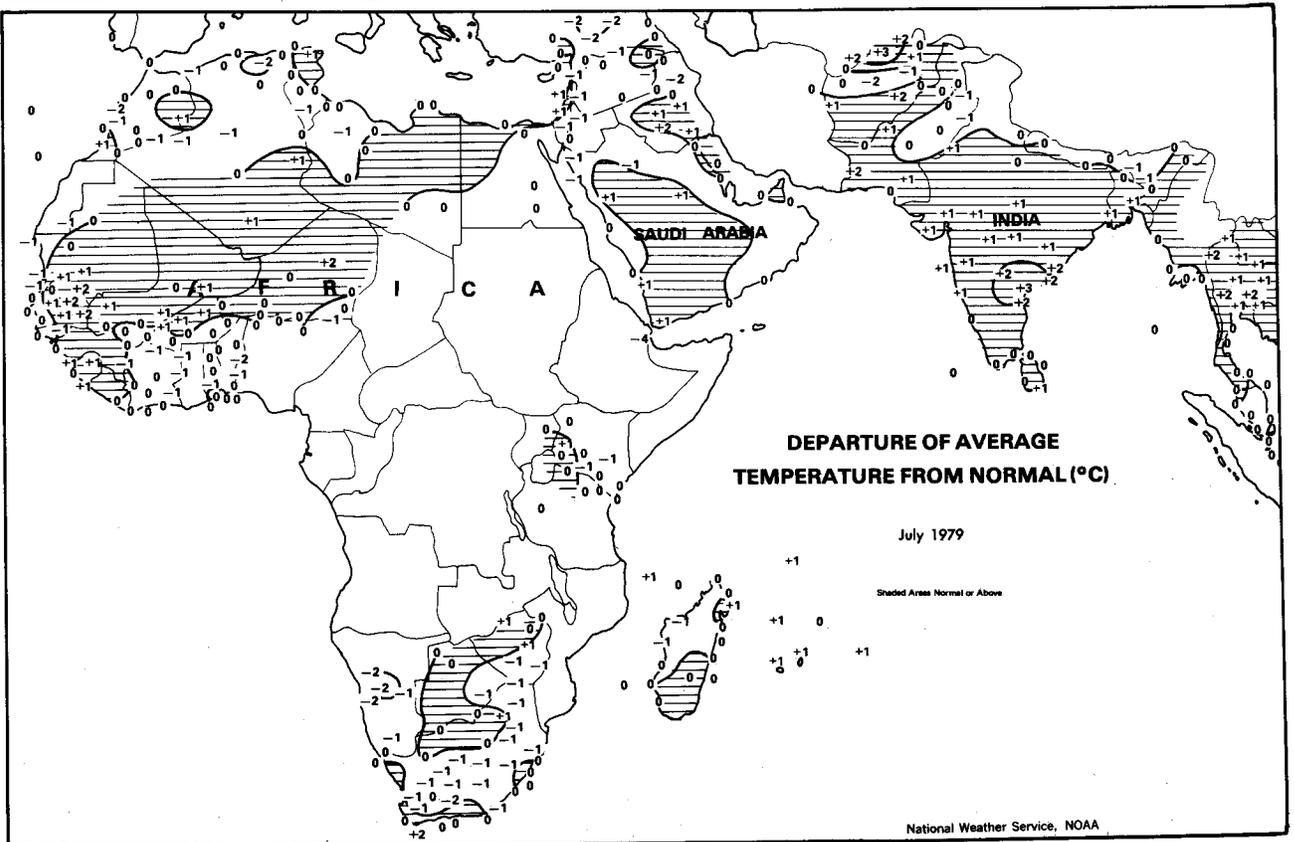
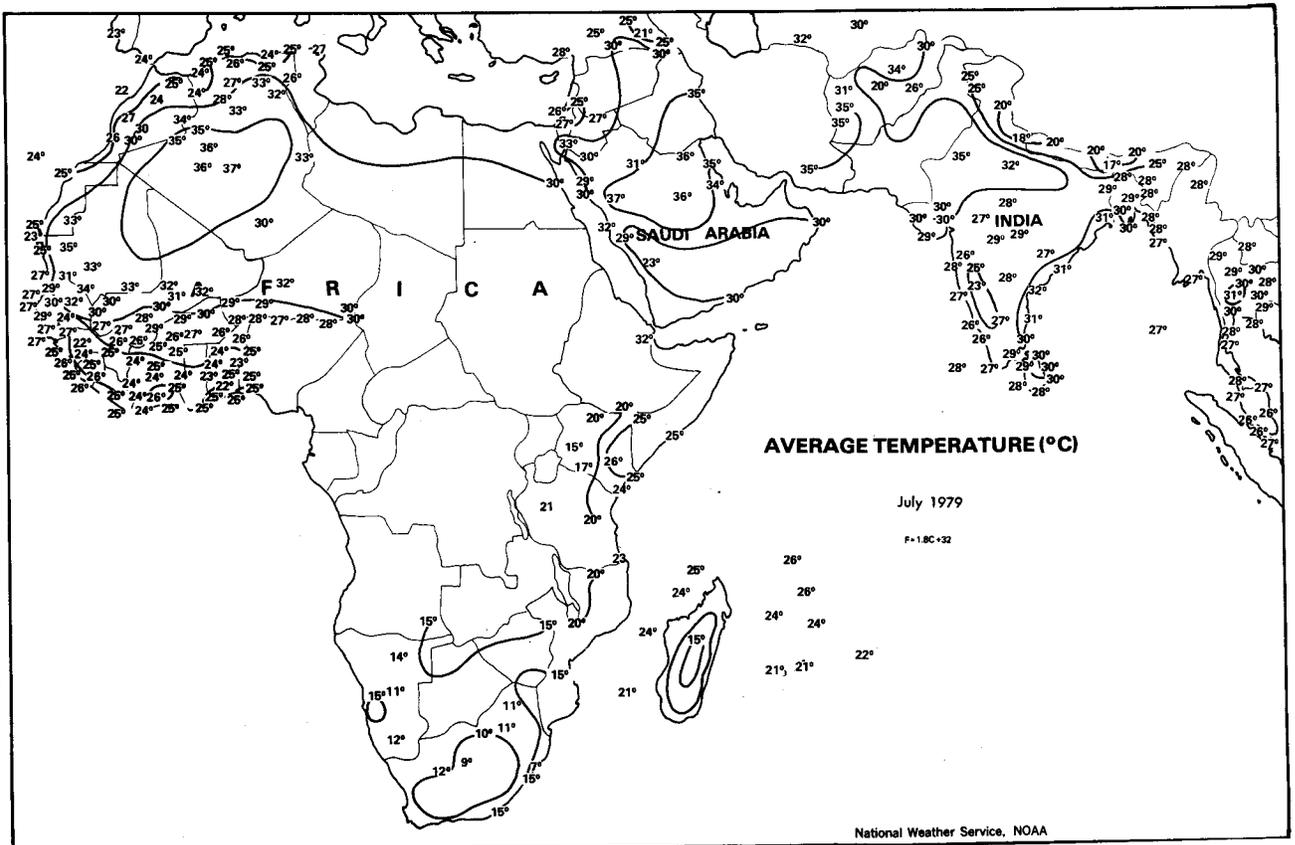
China Precipitation

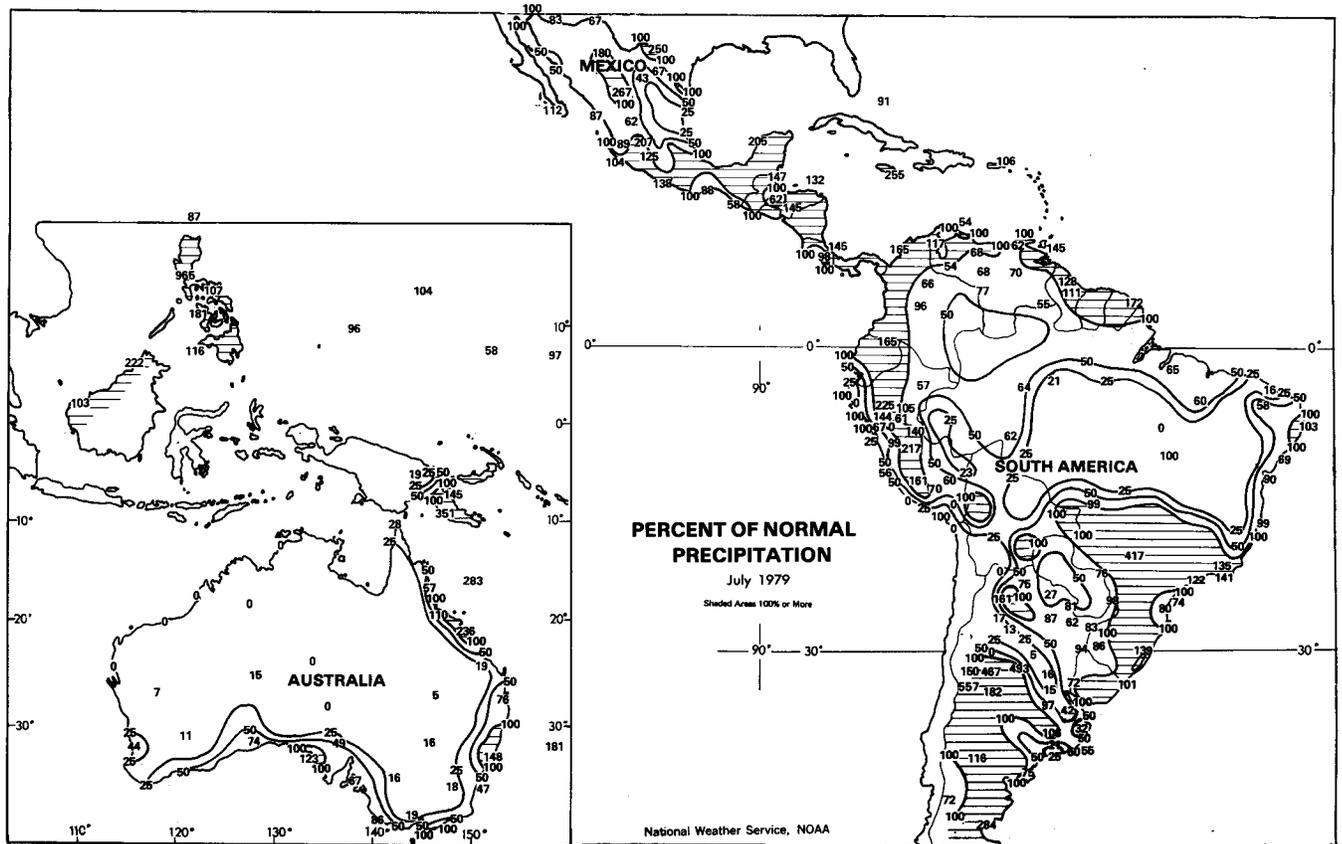
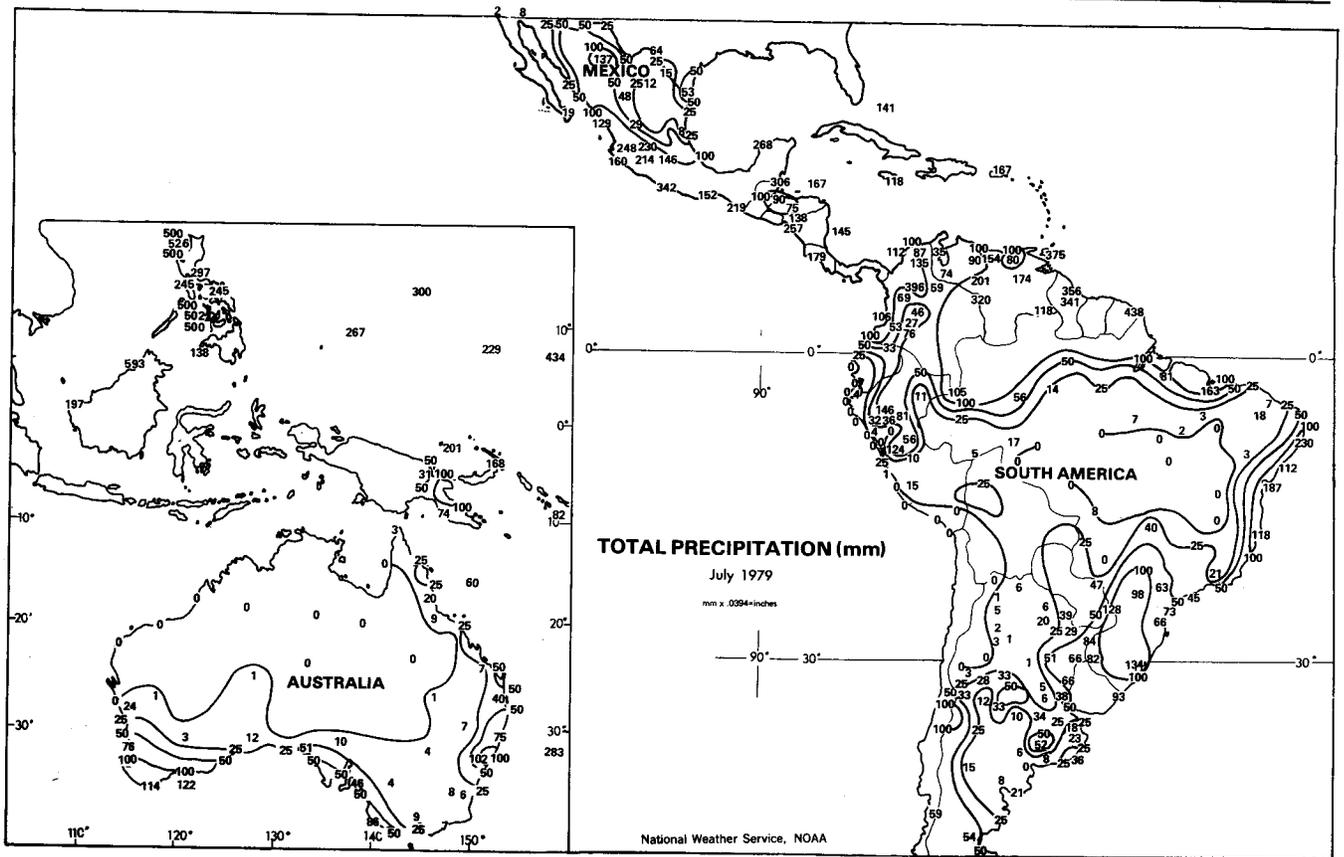


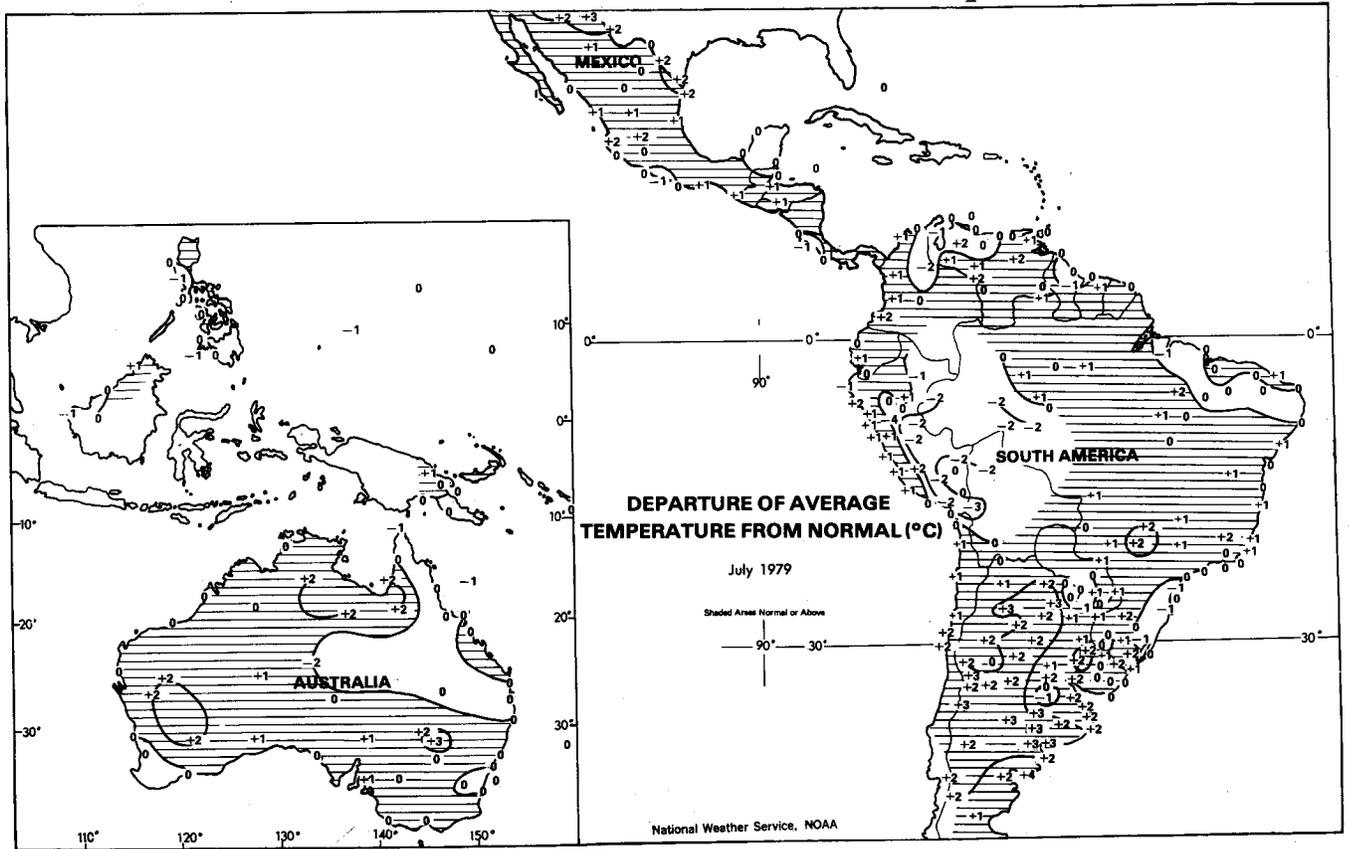
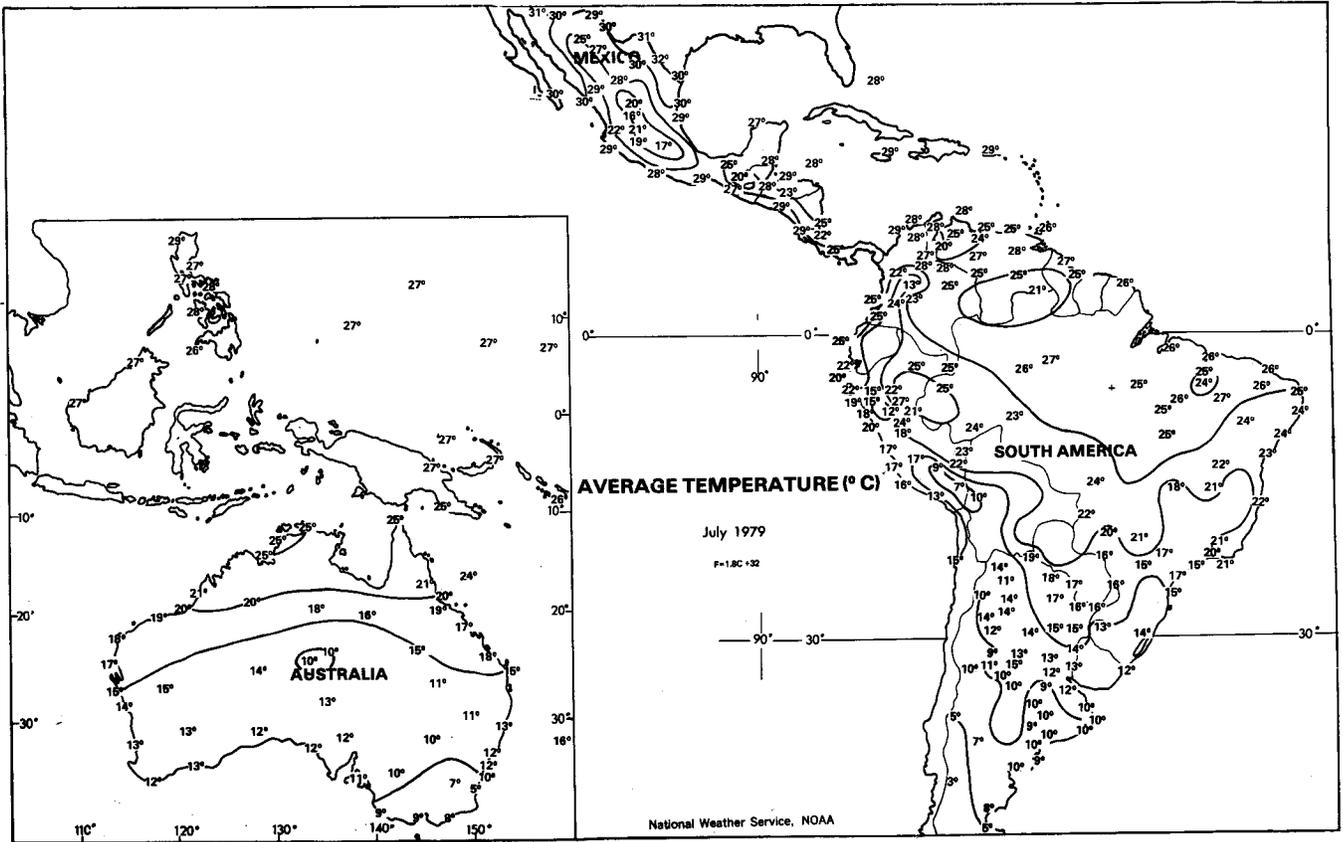












CROP DEVELOPMENT
FOR WEEK ENDING AUGUST 12

CORN DOUGH STAGE

	1979	1978	AVG.
COLO	NA	NA	NA
GA	NA	NA	NA
ILL	55	62	65
IND	45	45	85
IOWA	30	30	47
KANS	45	30	60
KY	38	NA	NA
MICH	15	20	30
MINN	NA	NA	NA
MO	44	24	61
NEBR	25	20	40
NC	NA	NA	NA
OHIO	NA	NA	NA
PA	15	18	23
S DAK	15	13	20
VA	NA	NA	NA
WISC	NA	NA	NA

SOYBEANS BLOOMING

	1979	1978	AVG.
ALA	74	72	76
ARK	36	49	NA
GA	NA	NA	NA
ILL	91	86	91
IND	95	90	95
IOWA	NA	NA	NA
KANS	NA	NA	NA
KY	NA	NA	NA
LA	88	50	67
MICH	NA	NA	NA
MINN	97	99	99
MISS	84	85	77
MO	69	65	71
NEBR	NA	NA	NA
NC	45	NA	NA
OHIO	NA	NA	NA
SC	72	64	62
TENN	77	86	77

SOYBEAN POD SET

	1979	1978	AVG.
ALA	52	64	NA
ARK	26	33	NA
GA	NA	NA	NA
ILL	65	60	66
IND	55	50	65
IOWA	89	79	79
KANS	45	50	45
KY	58	62	NA
LA	NA	NA	NA
MICH	40	50	52
MINN	50	73	76
MISS	42	43	44
MO	42	33	41
NEBR	70	80	85
NC	11	NA	NA
OHIO	70	60	85
SC	26	34	29
TENN	31	43	35

COTTON SETTING BOLLS

	1979	1978	AVG.
ALA	91	92	90
ARIZ	NA	NA	NA
ARK	92	100	NA
CALIF	73	NA	NA
GA	100	98	98
LA	98	97	NA
MISS	92	99	92
MO	77	89	86
N MEX	NA	NA	NA
NC	NA	NA	NA
OKLA	40	45	60
SC	99	95	95
TENN	99	100	92
TEX	73	NA	NA

CORRECTION FOR W/E AUGUST 5
COTTON SETTING BOLLS

TEX	55	NA	NA
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GRAIN SORGHUM HEADED

	1979	1978	AVG.
COLO	50	41	NA
KANS	45	45	45
MO	65	56	69
NEBR	70	75	95
OKLA	45	35	75
S DAK	53	57	57
TEX	79	NA	NA

RICE HEADED

	1979	1978	AVG.
ARK	18	47	NA
CALIF	53	NA	NA
LA	78	87	NA
MISS	35	51	47
TEX	100	NA	NA

HARVEST PROGRESS
FOR WEEK ENDING AUGUST 12

WINTER WHEAT

	1979	1978	AVG.
CALIF	100	NA	NA
COLO	94	100	98
IDAMO	33	30	30
ILL	100	100	100
IND	100	100	100
KANS	100	100	100
MO	100	100	100
MONT	45	40	50
NEBR	100	100	100
OHIO	100	100	100
OKLA	100	100	100
OREG	86	NA	NA
S DAK	85	99	98
TEX	100	100	100
WASH	79	59	NA
15 STATES	93	92	95

THESE 15 STATES PRODUCED 91%
OF THE 1978 WINTER WHEAT CROP.

SPRING WHEAT

	1979	1978	AVG.
IDAMO	15	10	10
MINN	5	34	42
MONT	0	5	15
N DAK	9	20	39
S DAK	31	58	75
5 STATES	10	25	39

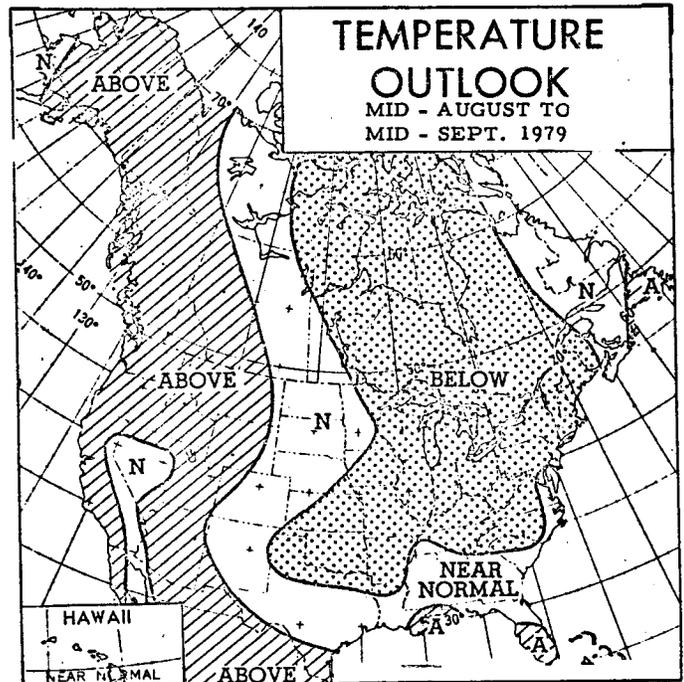
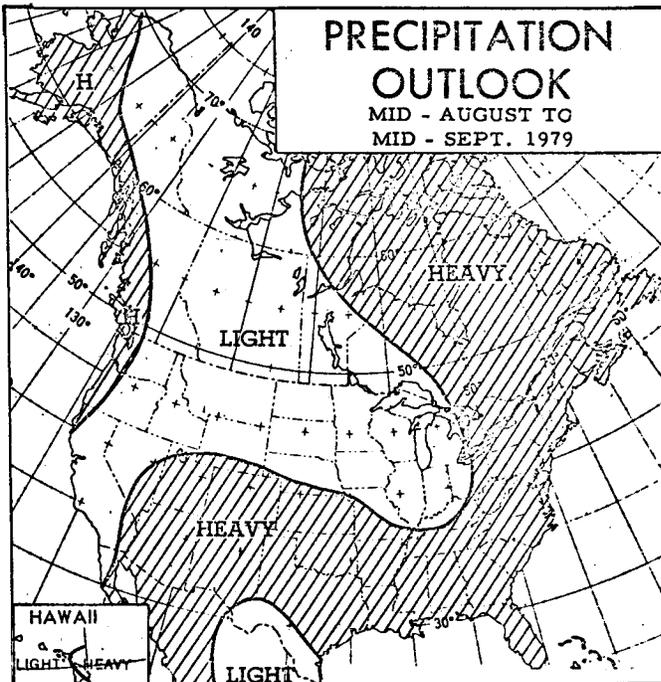
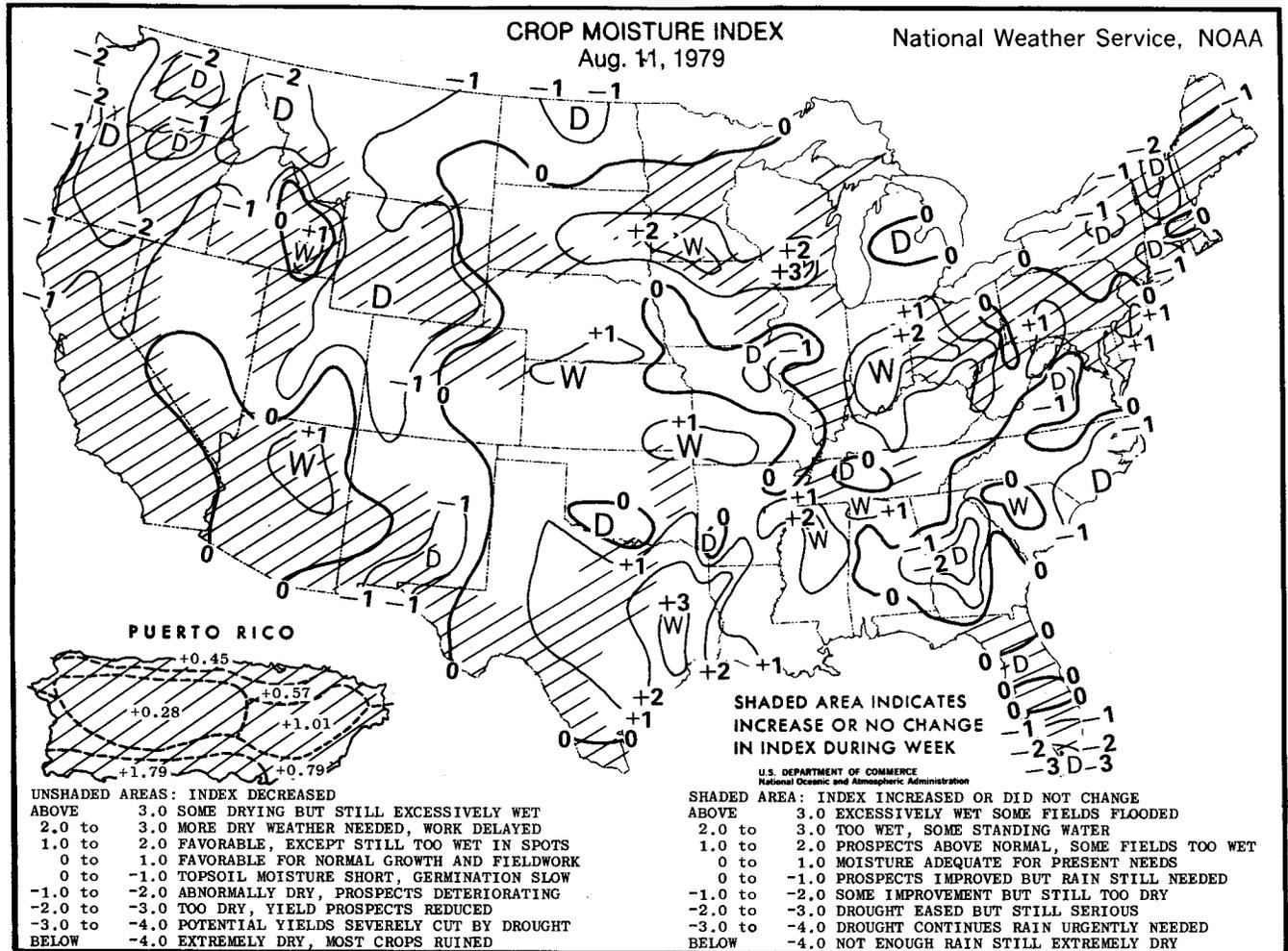
THESE 5 STATES PRODUCED 95%
OF THE 1978 SPRING WHEAT
CROP EXCLUDING DURUM.

RICE

	1979	1978	AVG.
ARK	0	0	0
CALIF	0	0	0
LA	24	44	37
MISS	0	0	0
TEX	58	72	65
5 STATES	14	25	22

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

NA NOT AVAILABLE





FIRST CLASS MAIL

CROP PRODUCTION HIGHLIGHTS

ALL WHEAT production is forecast at 2.13 billion bushels, 19 percent more than last year and the second largest crop of record. Winter wheat prospects improved 3 percent from July 1 while other spring and durum wheat declined 2 percent and 3 percent, respectively.

FOOD GRAIN production (wheat, rye, and rice) is expected to total 64.9 million metric tons in 1979. This is 16 percent more than last year.

CORN production is forecast at a record 7.11 billion bushels, 7 percent above the July 1 forecast and slightly above the previous record set last year.

SORGHUM GRAIN production is forecast at 779 million bushels, up 4 percent from last year but 2 percent less than the 1977 crop.

FEED GRAIN production (corn, sorghum, oats, and barley combined) is expected to total 216 million metric tons, down 1 percent from the record 1978 production.

SOYBEAN production is forecast at a record high 2.13 billion bushels, 16 percent larger than the 1978 crop.

HAY production is forecast at 140 million tons, a 1-percent decline from the 1978 crop. Pasture and range feed condition on August 1 averaged 84 percent, 7 points above a year ago and 8 points above the 1968-77 average for this date.

ALL COTTON production is forecast at 13.7 million bales, 26 percent above 1978.

Crop Reporting Board, ESCS, USDA

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Standard copy for the Bulletin is prepared by Donald J. Haddock, Lyle Denny, and O. W. Byrd, Climate Analysis Center, National Weather Service,

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