

WEEKLY WEATHER AND CROP BULLETIN

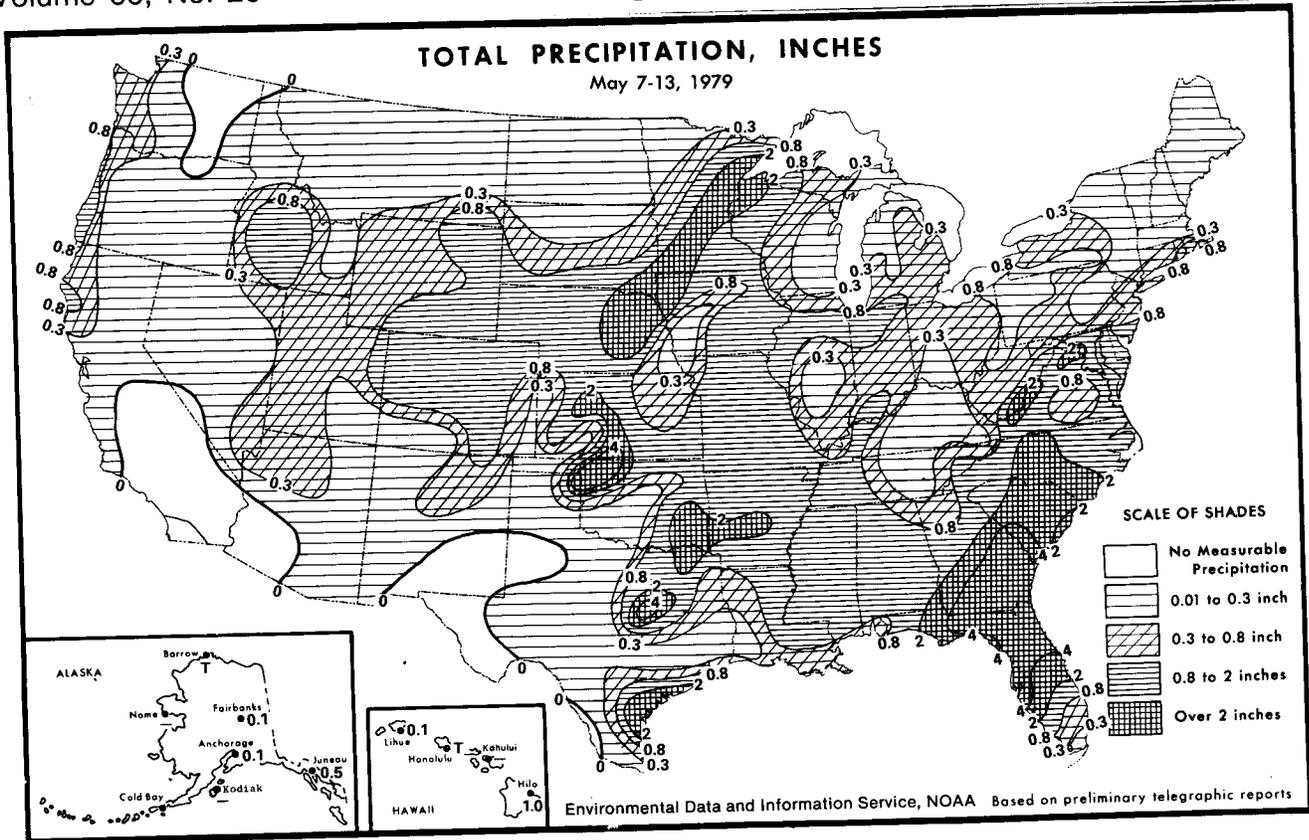
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National Weather Summary

May 7 - 13

HIGHLIGHTS: A slow-moving cold front spread moderate to heavy precipitation from the northern half of the Rockies eastward to the Atlantic Coast. Numerous tornadoes, as well as heavy rains and hail, accompanied the front. The most severe weather hit the Nation's Southeast, where some rains exceeded 10 inches.

Cold air edged in behind the front setting many record low temperatures. Several record high readings preceded the cold air east of the Mississippi River. The Midwest averaged temperatures 10 to 12 degrees above normal. The cold brought down weekly averages by 12 degrees in the northern portions of the Rockies and Plains.

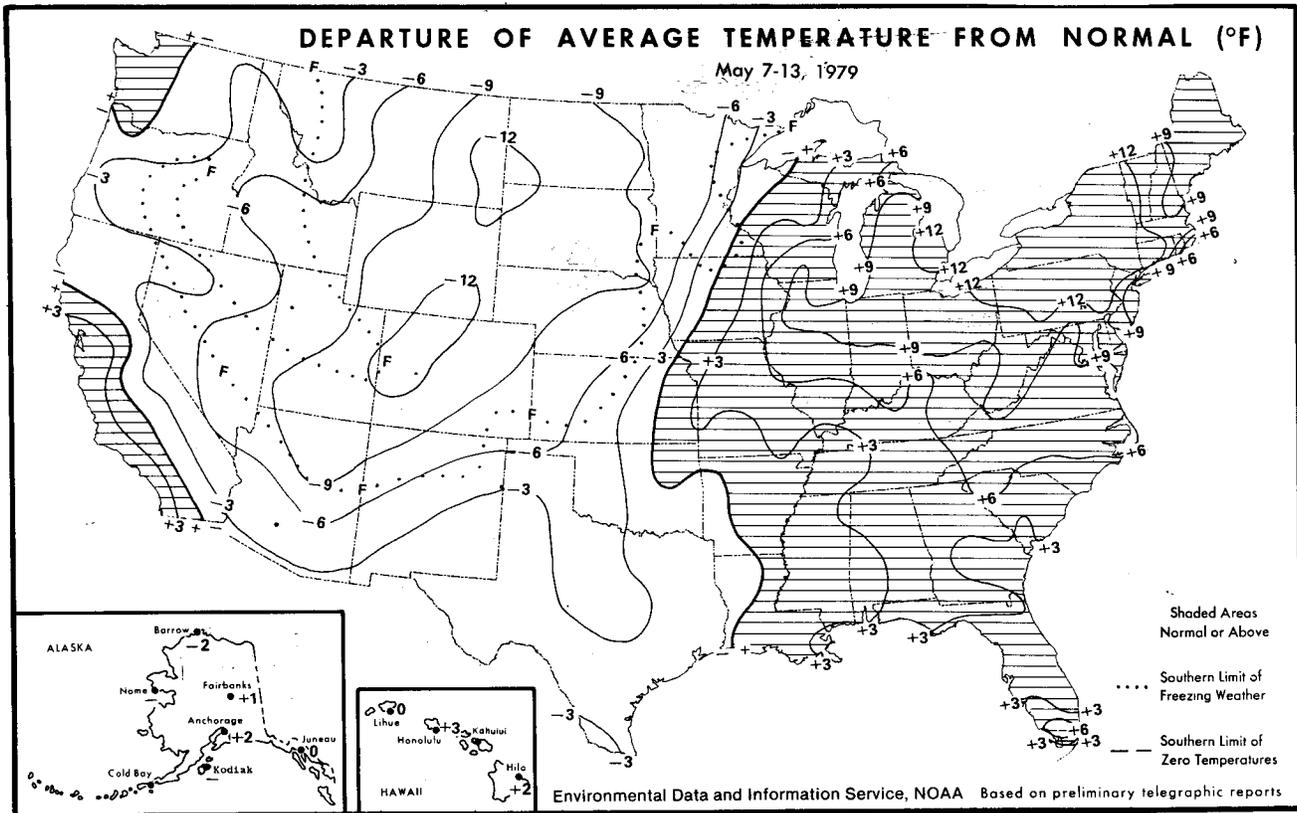
On Monday, severe thunderstorms rolled over northern Florida; Tallahassee collected more than 4 inches. Late in the day, 3 inches of rain drenched Poplarville, southern Mississippi.

A storm system plowed through the upper half of the Rockies dumping 10 to 15 inches of snow on parts of Idaho, Montana, and Colorado. Light showers dampened the Pacific Northwest.

Record-breaking warmth covered much of the eastern portion of the country. New marks showed 79° at Buffalo, N.Y., and 80° at Elkins, eastern West Virginia.

Unsettled weather spawned tornadoes and torrents of rain on central Florida on Tuesday. Eighteen twisters, seven outside Tampa, roared over the State; Tampa received more than 10 inches of rain, and St. Petersburg was deluged by more than 16 inches.

Thunderstorms formed over the Midwest, where Sioux City, western Iowa, and Rochester, southeastern Minnesota, posted more than an inch of rain. Snow continued falling in portions of the Rockies.



Record heat extended from the Midwest to the East; Buffalo, at 85°, and Elkins, W. Va., at 86°, again set records. Among other new marks, Rochester, northwestern New York, hit 89°, and Fort Wayne, northeastern Indiana, notched 88°.

Nearly an inch of rain dampened sections of the central Plains, Midwest, and Southeast, while snow fell heavily in the Rockies on Tuesday.

The heaviest amounts of rain showed 2.7 inches at Savannah, eastern Georgia, 2.6 inches at Duluth, eastern Minnesota, and Gage, near the Oklahoma Panhandle, scored about 4 inches. Up to 8 inches of snow fell from the mountains of the Southwest northeastward; by afternoon, snow reached into the western sections of the central Plains.

Again, record high readings stretched from the Midwest to the East. A sampling of records included 81° at Muskegon, western Michigan, Cleveland's 88°, 97° at Hartford, Conn., and Boston's 95°; for the third consecutive day, Buffalo's 81° and Elkins's 88° set new marks. The 91° at Portland, southern Maine, not only established a record, but was the warmest reading ever so early in the season and just missed the all-time May high of 92°.

On Thursday, rainstorms ranged over the southern half of the Plains, middle Mississippi Valley, and the Southeast. Myrtle Beach, S.C., marked 1.4 inches; Norfolk, Va., counted one and a half inches; and Kansas City saw an inch. In the southern Plains, Waco, central Texas, and Page, southeastern Oklahoma, measured about three and one-half inches. Tornadoes were sighted in Texas and Wisconsin. Up to 2 inches of snow whitened the northern Plains.

Record heat baked parts of the Delta Region, Midwest, and Northeast. Baton Rouge, La., reported a record-tying 91°; South Bend, northern Indiana, called in 84°; Providence, R.I., noted 92°; and Portland, Maine, tallied 88°.

Heavy rains covered an area from central Texas to the Delta Region. Another inch fell near Waco, Tex., while 2-inch-plus rains soaked other Texas stations. Monroe, northern Louisiana, and Little Rock got between 1 and 2 inches. One-half to 1 inch dampened some Georgia points. A tornado touched down at Alma, southeastern Georgia.

Temperatures remained warm in the Great Lakes vicinity; new records included Toledo's 89° and Buffalo's 85°. Readings dipped sharply from the southern Plains to the middle Mississippi Valley.

Storms dumped more than an inch of rain on parts of the South, Ohio Valley, and East Coast on Saturday.

Severe weather crossed central Ohio; a tornado hit the Zanesville area.

High temperature records for the day showed 90° at Charleston, W. Va., topping the 1911 mark by one, and 88° at San Diego, surpassing the old mark by five. By contrast, readings dipped sharply from Texas to the middle Mississippi Valley. Record cold temperatures included 43° at El Paso, western Texas, undercutting the former record low set in 1891; 36° at Abilene and Wichita Falls, northern Texas (the coldest readings there so late in the season); Kansas City's 41°; and 31° at Concordia, northern Kansas.

On Sunday, a cold front stretched from New York to Florida spreading rain ahead of it. More than an inch covered Washington, D.C., and Baltimore. An inch and one-half to 2 inches fell near Augusta, eastern Georgia, and Pensacola, in the Florida Panhandle; tornadoes touched down in both States.

Temperatures soared toward the century mark in southern California; San Diego, at 94°, established another record, topping the 1927 score by six. In an unusual development, southern coastal California was warmer than the desert sections.



National Agricultural Summary

May 7 - 13

HIGHLIGHTS: Light precipitation throughout most major row crop areas gave farmers a chance to prepare land and plant crops. Most areas of the Nation had 3 to 6 days suitable for fieldwork. Plowing in the Corn Belt ranged from 40 to 90% complete. Most areas exceeded last year's progress and were almost equal to the average. Above-normal temperatures covered the Nation from the Mississippi Valley eastward, while subnormal temperatures dominated elsewhere. Soil moisture generally rated adequate to surplus, although shortages were reported in several eastern States. Cotton planting advanced to 45%, two points less than last year and three points less than average. Corn seeding reached 34%, lagging 1978's 38% and the 55% average. Soybean seeding stood at 6%, one point ahead of last year but short of the 15% average. Grain sorghum seeding advanced throughout the Great Plains and stood at 27%, short of last year's 29% and the 33% average. Rice seeding advanced to 70%, lagging 1978's 79% and the 87% average. Spring wheat seeding reached 20%, compared with 50% last year and the 76% average. Oat seeding reached 61%, and barley 29%. Peanut planting stood at 58%, surpassing both the 37% last year and the 54% average. Pastures generally rated good and improving under the influence of adequate soil moisture and, in some areas, moderate temperatures. Fruit bloom advanced into the extreme northern parts of the Nation; some orchardmen in the West heated orchards to ward off low temperatures. Rains slowed vegetable planting and harvest activities in several major southern production areas, while relatively low temperatures slowed growth in the North.

SMALL GRAINS: Winter wheat generally rated good throughout major production areas. Heading advanced in the Corn Belt and became more widespread in Kansas. Harvest continued in Arizona and began in Alabama. Texas winter wheat headed on the High Plains. Dry soils stressed some of the Texas Panhandle crop. Oklahoma winter wheat heading reached 75%, equaling last year and 10 points below the average. Kansas heading reached 10%, twice last year's figure but short of the 35% average. Illinois wheat stood at 5% headed, slightly ahead of last year's 3% but well behind the 48% average. Spring wheat seedings, at 20%, lagged 1978's 50% and the 76% average. Idaho progress surpassed recent years, and South Dakota surpassed last year but lagged the average. The other three major producing States of Minnesota, Montana, and North Dakota lagged far behind last year and the average. Oat seeding, at 61%, was generally on schedule in all major States except Minnesota, North Dakota, and Wisconsin. Barley seeding stood at 29% with Minnesota, Montana, and North Dakota holding down the overall progress.

CORN: Corn planting advanced to 34%, a 21-point increase for the week. Last year, seeding stood at 38% and on the average 55%. Planting in the eastern Corn Belt reached 35%, a 28-point increase for the week and ahead of last year's 29% but short of the 49% average. In the western Corn Belt, planting stood at 23%, a 16-point increase for the week but lagged last year's 38% and the 56% average. In the Southeast, corn planting advanced to 91%, ahead of 1978's 84% and the 87% average. Most corn-producing areas of the Nation enjoyed above-

normal temperatures and fairly light rainfall throughout the week.

COTTON: Cotton planting reached 45%, nearly equaling last year's 47% and the 48% average. Planting was virtually complete in the Southwest and the Southeast. The Delta States made good progress but continued to lag far behind recent years. Planting just got started in Oklahoma. Earlier planted stands rated fair to good. Arizona cotton squared in western areas. Blooms appeared in the Rio Grande Valley.

SOYBEANS: Soybean planting advanced to 6%, one point ahead of last year but short of the 15% average. In the Southeast, planting stood at 22%, double last year and ahead of the 19% average. In the eastern north central States, soybean planting advanced to 7%, ahead of the 4% last year but short of the 15% average. Planting was just getting started in the western north central States and stood at 1% compared with the 2% last year and the 13% average. In the south central States, planting advanced to 7%, almost equaling the 8% last year but short of the 15% average.

OTHER CROPS: Grain sorghum seeding stood at 27%, not far behind 1978's 29% and the 33% average. Planting was well advanced in Texas at 66% complete, equaling the average but 5 points less than last year. Other major producing States just began and stood at 5% or less. Texas sorghum headed in the south but needed warmer weather for planting on the High Plains.

Rice seeding stood at 70%, falling short of the 79% last year and the 87% average. Seeding moved well ahead in Louisiana and Texas and far ahead of last year in California. Planting in Arkansas and Mississippi continued to lag recent years.

Peanut seeding advanced to 58%, well ahead of 1978's 37% and the 54% average. Progress far exceeded last year and the average with the exception of Texas.

FRUITS & NUTS: Deciduous fruit bloom advanced into extreme northern production areas. Wisconsin reported apples near bloom. Peach harvests were underway in California and Texas. Rains helped size peaches in the Southeast. California growers thinned stone fruits and harvested cherries. Pacific Northwest and some Mountain State growers used wind machines and orchard heaters to protect crops from low temperatures. Wind damaged some California almonds. Texas pecans ranged from bloom stage in the north to nut set in south central areas.

Florida citrus trees rated excellent; several days of heavy rain benefited new crop fruit. Old crop Valencias rated good as harvest continued. Arizona citrus harvest slowed; new crop prospects were good. California Valencia harvest increased; winds damaged some grapefruit.

VEGETABLES: Vegetable growers in northern production areas planted lettuce, peas, sweet corn, and cabbage. Asparagus harvests continued in California and the Pacific Northwest and reached 10% in Michigan. Harvests of snap beans, cucumbers, and squash advanced into South Carolina. Florida vegetable shipments increased 12% from the previous week, mainly on the strength of watermelons; eggplant, radish, and tomato shipments also increased. Other

(continued on page 15)

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., May 13, 1979

States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches		States and Stations	Temperature of		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	72	+ 3	1.9	+ 1.1	LA. Baton Rouge . . .	76	+ 2	1.2	+ .1	Youngstown . . .	68	+12	1.3	+ .4
Mobile . . .	76	+ 2	.5	- .5	Lake Charles . . .	74	0	.3	- .9	OKLA. Okla. City . . .	64	- 3	T	- 1.2
Montgomery . . .	74	+ 3	.9	+ .1	New Orleans . . .	77	+ 3	.5	- .4	Tulsa . . .	68	+ 1	.3	- .8
ALASKA. Anchorage . .	46	+ 2	.1	0	Shreveport . . .	71	- 1	.5	- .7	OREG. Astoria . . .	51	- 0	.5	- .2
Barrow . . .	14	- 2	T	0	MAINE. Caribou . . .	55	+ 8	.1	- .5	Burns . . .	48	- 3	.2	0
Fairbanks . . .	45	+ 1	.1	0	Portland . . .	60	+ 9	.2	- .6	Medford . . .	53	- 3	.1	- .2
Juneau . . .	45	0	.5	- .3	MD. Baltimore . . .	71	+ 9	1.6	+ .8	Pendleton . . .	55	- 2	T	- .3
Kodiak . . .	--	--	--	--	MASS. Boston . . .	87	+10	.3	- .5	Portland . . .	57	+ 1	.5	0
Nome . . .	--	--	--	--	Chatham . . .	58	--	.3	--	Salem . . .	53	- 2	.3	- .2
ARIZ. Flagstaff . . .	40	- 9	.5	+ .4	MICH. Alpena . . .	57	+ 9	.2	- .4	PA. Allentown . . .	70	+12	.4	- .5
Phoenix . . .	71	- 4	T	- .1	Detroit . . .	66	+10	.3	- .4	Erie . . .	66	+13	1.0	+ .2
Tucson . . .	67	- 5	.3	+ .2	Flint . . .	67	+13	.7	0	Harrisburg . . .	70	+ 9	.3	- .6
Winslow . . .	51	-10	.1	0	Grand Rapids . . .	65	+10	.3	- .4	Philadelphia . . .	72	+11	.5	- .3
Yuma . . .	74	- 3	0	0	Houghton Lake . . .	61	+10	.4	- .2	Pittsburgh . . .	69	+11	.8	0
ARK. Fort Smith . . .	67	- 2	1.1	- .2	Lansing . . .	66	+11	.6	- .1	Scranton . . .	69	+12	.1	- .7
Little Rock . . .	70	+ 2	2.2	+ .9	Marquette . . .	49	+ 3	.4	- .3	R.I. Providence . . .	60	+ 5	1.0	+ .2
CALIF. Bakersfield . .	69	+ 1	T	- .1	Muskegon . . .	62	+ 9	.4	- .2	S.C. Charleston . . .	75	+ 4	1.9	+ 1.1
Eureka . . .	51	- 1	.6	+ .1	S. Ste. Marie . . .	53	+ 6	1	- .5	Columbia . . .	74	+ 3	2.2	+ 1.4
Fresno . . .	65	- 1	0	- .1	MINN. Duluth . . .	44	- 3	3.9	+ 3.2	Greenville . . .	75	+ 7	1.2	+ .6
Los Angeles . . .	68	+ 4	0	0	Internatl Falls . .	41	- 7	.3	- .3	S.D. Aberdeen . . .	45	- 9	.3	- .2
Red Bluff . . .	65	+ 1	.2	- .1	Minneapolis . . .	51	- 4	1.2	+ .5	Huron . . .	45	-10	.5	- .1
San Diego . . .	68	+ 5	T	- .1	Rochester . . .	55	+ 1	1.6	+ .9	Rapid City . . .	43	-10	.6	0
San Francisco . . .	62	+ 4	.1	0	St. Cloud . . .	46	- 7	3.8	+ 3.1	Sioux Falls . . .	48	- 8	2.8	+ 2.1
Stockton . . .	67	+ 3	.1	0	MISS. Jackson . . .	72	+ 1	1.7	+ .6	TENN. Chattanooga .	71	+ 4	.3	- .5
COLO. Denver . . .	45	-10	.9	+ .3	Meridian . . .	67	+ 1	.9	0	Knoxville . . .	72	+ 5	1.4	+ .6
Grand Junction . . .	47	-13	1.2	+ 1.1	MO. Columbia . . .	67	+ 4	1.1	0	Memphis . . .	71	+ 2	1.3	+ .2
Pueblo . . .	50	- 9	.9	+ .5	Kansas City . . .	65	+ 3	1.0	+ .1	Nashville . . .	70	+ 3	.1	- .9
CONN. Bridgeport . . .	64	+ 8	.8	0	St. Louis . . .	69	+ 5	.3	- .5	TEX. Abilene . . .	67	- 4	T	- .9
Hartford . . .	70	+14	.4	- .4	Springfield . . .	64	+ 1	1.6	+ .5	Amarillo . . .	61	- 3	.1	- .5
D.C. Washington . . .	75	+11	1.3	+ .5	MONT. Billings . . .	46	- 7	.1	- .3	Austin . . .	71	- 3	.3	- .6
FLA. Apalachicola . .	76	+ 2	2.2	+ 1.6	Glasgow . . .	44	- 9	.1	- .1	Beaumont . . .	74	- 0	.5	- .6
Daytona Beach . . .	76	+ 2	4.5	+ 4.1	Great Falls . . .	46	- 6	.2	- .3	Brownsville . . .	76	- 3	.2	- .3
Ft. Myers . . .	81	+ 4	1.8	+ 1.1	Havre . . .	47	- 6	.1	- .2	Corpus Christi . .	76	- 1	2.5	+ 1.8
Jacksonville . . .	76	+ 3	5.2	+ 4.6	Helena . . .	48	- 3	T	- .4	Del Rio . . .	75	- 2	T	- .6
Key West . . .	82	+ 2	.1	- .4	Kalispell . . .	48	- 2	.1	- .3	El Paso . . .	68	- 2	0	- .1
Lakeland . . .	--	--	--	--	Miles City . . .	43	-12	.3	- .1	Fort Worth . . .	69	- 2	.9	- .2
Miami . . .	83	+ 6	.1	- 1.1	Missoula . . .	49	- 2	T	- .4	Galveston . . .	73	- 2	.9	+ .2
Orlando . . .	77	+ 2	3.9	+ 3.4	NEBR. Grand Island .	51	- 8	2.1	+ 1.3	Houston . . .	73	- 2	.2	- .9
Tallahassee . . .	77	+ 3	6.7	+ 5.9	Lincoln . . .	54	- 6	T	- .7	Lubbock . . .	65	- 2	T	- .7
Tampa . . .	77	+ 1	13.8	+13.4	Norfolk . . .	50	- 8	2.3	+ 1.6	Midland . . .	70	- 1	.1	- .4
W. Palm Beach . . .	78	+ 1	.4	- .4	N. Platte . . .	49	- 7	1.0	+ .3	San Angelo . . .	70	- 3	T	- .6
GA. Atlanta . . .	73	+ 5	.8	- .1	Omaha . . .	54	- 5	T	- .8	San Antonio . . .	74	- 1	.8	+ .1
Augusta . . .	75	+ 5	4.2	+ 3.4	Valentine . . .	44	-11	1.5	+ .9	Victoria . . .	73	- 2	2.8	+ 1.9
Macon . . .	74	+ 2	2.6	+ 1.8	NEV. Ely . . .	42	- 7	.2	0	Waco . . .	68	- 5	4.1	+ 3.0
Savannah . . .	74	+ 2	7.5	+ 6.6	Las Vegas . . .	65	- 7	.4	- .4	Wichita Falls . . .	67	- 4	T	- 1.1
HAWAII. Hilo . . .	75	+ 2	1.0	- 1.5	Reno . . .	50	- 3	.2	+ .1	UTAH. Blanding . . .	45	-10	.3	+ .2
Honolulu . . .	78	+ 2	T	- .3	Winnemucca . . .	50	- 2	.1	- .1	Salt Lake City . . .	51	- 6	.4	0
Kahului . . .	--	--	--	--	N. H. Concord . . .	60	+ 7	.1	- .5	VT. Burlington . . .	65	+12	.1	- .5
Lihue . . .	75	0	.1	- .5	N. J. Atlantic City .	69	+ 9	1.0	+ .2	VA. Lynchburg . . .	70	+ 6	.7	0
IDAHO. Boise . . .	50	- 6	1.0	+ .7	Trenton . . .	68	+ 8	.4	- .4	Norfolk . . .	72	+ 7	3.3	+ 2.5
Lewiston . . .	53	- 4	.2	- .2	N. MEX. Albuquerque .	57	- 6	.3	+ .2	Richmond . . .	73	+ 8	.7	- .1
Pocatello . . .	47	- 6	.2	- .1	N. Y. Albany . . .	69	+13	.1	- .6	Roanoke . . .	71	+ 8	1.4	+ .6
ILL. Cairo . . .	69	+ 1	.6	- .6	Binghamton . . .	66	- 1	0	- .2	WASH. Colville . . .	51	- 3	0	- .4
Chicago . . .	67	+ 9	.5	- .3	Buffalo . . .	66	+13	1.0	+ .2	Omak . . .	54	- 2	0	- .4
Moline . . .	68	+ 9	1.0	+ .1	New York . . .	68	+15	.5	- .2	Quillayute . . .	51	+ 1	.6	- .6
Peoria . . .	66	+ 7	.6	- .3	Rochester . . .	68	+ 8	.4	- .4	Seattle-Tacoma . .	55	+ 1	.1	- .3
Rockford . . .	65	+ 8	.3	- .5	Syracuse . . .	70	+15	.5	- .2	Spokane . . .	50	- 3	T	- .3
Springfield . . .	68	+ 7	.2	- .6	N.C. Asheville . . .	70	+ 8	1.7	+ 1.0	Walla Walla . . .	57	- 2	.1	- .3
IND. Evansville . . .	68	+ 4	1.4	+ .4	Charlotte . . .	73	+ 6	2.4	+ 1.8	Yakima . . .	55	- 2	T	- .1
Ft. Wayne . . .	68	+11	.5	- .3	Greensboro . . .	72	+ 6	2.6	+ 2.0	W. VA. Beckley . . .	68	+11	2.3	+ 1.5
Indianapolis . . .	67	+ 7	.6	- .3	Hatteras . . .	71	+ 6	1.2	+ .5	Charleston . . .	72	+ 9	.5	- .3
South Bend . . .	66	+10	1.2	+ .5	Raleigh . . .	72	+ 6	1.5	+ .8	Huntington . . .	71	+ 8	.5	- .4
IOWA. Burlington . . .	66	+ 6	1.8	+ 1.0	Wilmington . . .	75	+ 5	2.1	+ 1.3	Parkersburg . . .	70	+ 8	.8	0
Des Moines . . .	61	+ 2	1.2	+ .3	N. DAK. Bismarck . .	42	-11	.1	- .3	WISC. Green Bay . .	55	+ 3	.2	- .5
Dubuque . . .	63	+ 7	.6	- .4	Fargo . . .	44	- 9	.2	- .3	La Crosse . . .	61	+ 4	.7	- .1
Sioux City . . .	50	- 9	2.8	+ 2.1	Williston . . .	41	-11	T	- .3	Madison . . .	63	+ 9	.1	- .6
KANS. Concordia . . .	57	- 4	.5	- .4	OHIO. Akron-Canton .	67	+10	.5	- .4	Milwaukee . . .	60	+ 8	.2	- .4
Dodge City . . .	56	- 6	.2	- .5	Cincinnati . . .	67	+ 6	.2	- .6	WYO. Casper . . .	40	-11	.7	+ .3
Goodland . . .	49	- 8	.2	- .3	Cleveland . . .	68	+12	.4	- .4	Cheyenne . . .	39	-12	1.2	+ .6
Topeka . . .	64	+ 1	.4	- .4	Columbus . . .	69	+10	.4	- .5	Lander . . .	41	-10	.8	+ .2
Wichita . . .	63	- 1	.8	0	Dayton . . .	69	+ 9	.3	- .5	Sheridan . . .	43	- 9	.9	+ .4
KY. Lexington . . .	69	+ 6	.1	- .8	Toledo . . .	68	+11	.4	- .4	P.R. San Juan . . .	81	+ 2	3.3	+ 1.8
Louisville . . .	70	+ 7	.1	- .8										

Based on 1941-70 normals

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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: Warm temperatures most of week, averaging 3° above normal. Scattered showers early week. Thundershowers over most of State 11th and 12th; up to 2.00 in. rain some locations. Fieldwork: 4.8 days. Soil moisture adequate. Planting field crops principal activity. Corn planted 83%, 79% 1978, 77% average. Soybeans planted 21%, 12% 1978, 21% average. Cotton planted 86%, 73% 1978, 82% average; some re-planting in northwest. Peanuts planted 74%, 47% 1978, 73% average. Sorghum planted 16%, 22% 1978. Wheat: Headed 93%, 89% 1978, 94% average; Turning 32%, 16% 1978; Harvested 3%. All crops and pasture good condition.

ALASKA: Cloudy skies which decreased toward weekend. Temperatures warmed thru the week. Precipitation fell toward weekend.

Weather allowed small grain seeding in Tanana and Matanuska Valleys averaging little or none in wetter areas. Nearly 50% complete on lighter soils. Farmwork generally on schedule. Peninsula rainfall allowed little fieldwork. New growth of hay fields and pastures good throughout rail-belt. Soil moisture mostly adequate to surplus. Livestock fair to mostly good.

ARIZONA: Strong cold front 8th bringing heavy precipitation, plummeting temperatures. Freezing temperatures, snow near 4,000, eastern mountains up to foot of snow. Precipitation 1.50 in. White Mountains, none southwest. Temperatures 3 to 10° below normal. Rapid warming, drying trend late week, near record highs 13th.

Cotton planting 95% complete, making good progress. Squaring increasing west. Harvest small grains gaining momentum, lodging especially barley, moderate to severe some areas. Planting sorghum continuing, early plantings growing well. Corn planting seasonal progress. Safflower planting complete, earlier plantings stem elongation, buds developing. Sugarbeet harvest underway, making good progress, quality appears good. Alfalfa haying full swing all areas, cooler nights slowed regrowth. Cantaloups, watermelons making good progress, cool nights slowed growth somewhat. Lettuce harvest tapering off central areas. Harvest other late season mixed vegetables slowing down. Harvest dry onions, potatoes seasonal progress. Citrus harvest slowing down; new crop prospects good. Range, pasture conditions good. Stock water, soil moisture adequate. High winds drying ranges fast. Cattle, calves excellent. Some cattle coming off ranges.

ARKANSAS: Rainfall moderate to heavy. Temperatures near normal. Lowest normal 65°; highest 71°. Lowest mean 65°; highest 73°. Extremes: 38 and 90°. Means 2° subnormal to 5° above normal. Least amount of rainfall 0.31 in.; most 3.78 in.

Planting activities increased early part of week. Rains 10th and 11th stopped fieldwork. Replanting active for rice and cotton. Soil moisture surplus. Fieldwork: 3.3 days suitable. Soybean seeding 5%, 9% 1978, 15% average. Cotton poor to fair; planting 36%, 46% 1978, 58% average. Rice fair; planting 54%, 75% 1978, 78% average. Corn and sorghum fair to good. Corn planting 58%, 81% 1978, 62% average. Sorghum planting 38%, 65% 1978, 63% average. Small grain development good. Fruit and vegetable crops good condition.

Peach and apple fruit set good to excellent. Strawberry harvest active; condition, quality, quantity excellent. Tomatoes fair; fruit first cluster. Pastures average forage. Hay good to excellent. Good yields and quality. Cattle good, gaining weight.

CALIFORNIA: Weak cold front moving through early week deposited precipitation many parts of the state. Amounts ranged from several hundredths inch at many coastal stations to over 3.00 in. mountains. High pressure aloft and on surface latter half of week brought clear skies. Temperatures resulting from this combination of weather systems were mixed; quite a bit below normal in the southeast deserts and mountains and near normal elsewhere.

Cotton 99% planted compares with 90% last year. Cotton 93% emerged. Rice preplanting operations continue. Rice 67% planted compared 40% last year. Rice 14% emerged. Small grains 33% turning color. Corn 57% planted, 37% emerged. Thinning stone fruit. Cherry harvest increased. Grapes bloomed, irrigated, sulfured. Nectarines, plums neared harvest. Peach harvest expanded--Kern County begun. Winds damaged grapefruit, almonds. Valencia orange harvest increased. Asparagus from delta going mostly to processors. Broccoli-cauliflower continue heavy central coast. Carrot harvest slowing desert. Picking sweet corn begun Coachella Valley. Lettuce harvest increasing Salinas, nearly complete San Joaquin Valley. Onion movement still slow Imperial County. Strawberry movement increasing central coast, past peak south coast, San Joaquin Valley. Planting sweet-potatoes active San Joaquin Valley. Tomatoes held back by recent cool weather. Range, pasture excellent due cool temperatures, late rains. Movement livestock summer pasture continued. Stock water supplies excellent.

COLORADO: Heavy precipitation early week. Heaviest amounts eastern plains and front range to 1.50 in. moisture. Snow reported at many locations. Temperatures 2 to 8° below normal.

Winter wheat condition fair to good; wind, insect damage light; jointed 40%, 47% 1978, 60% average. Sugarbeets seeded 90%, 100% 1978, 95% average; emerged 43%. Spring wheat seeded 51%; emerged 42%. Summer potatoes seeded 30%, 69% 1978, 83% average; emerged 9%, 17% 1978, 28% average. Spring barley seeded 85%, 91% 1978, 95% average; emerged 67%, 65% 1978. Corn seeded 48%, 61% 1978, 66% average; emerged 7%, 16% 1978. Oats seeded 72%, 92% 1978; emerged 49%, 66% average. Alfalfa, ranges and pastures good condition. Livestock good condition. Fieldwork: 2.5 days suitable. Fuel supplies adequate.

FLORIDA: Stationary cold front dissipated early week. An upper level low moved over State 8th and 9th with rainfall averaging 1.00 to 4.00 in. Panhandle, north; 3.00 to 4.00 in. central and up to 17.00 in. Pinellas County; generally less than 1.00 in. south. During remainder of period high pressure dominated with warm, humid weather, late afternoon, evening thundershowers. Additional rain averaged less than 1.00 in. Temperatures ranged from highs mostly in 80's except 90° in southwest and lows to mid and upper 60's north to mid-70's south.

Soil moisture mostly adequate, a few wet areas north and along east coast. Corn, sugarcane and tobacco making excellent growth. Peanut planting about complete. Soybean planting increasing. Small grain harvest should begin this week or next. Pastures improved, good to excellent Panhandle and north, fair condition most central areas and good, south. Cattle good condition. Citrus trees excellent condition. Heavy rain several days all areas of citrus belt benefited new crop fruit. Old crop Valencias continue in very good condition. Overall vegetable crop condition fair to good, some very good. Some crops continue to decline seasonally. Fruit quality, yields mostly good. Size variable due to previous heavy rains. Crop damage light. Harvest active weather permitting. Shipments up 12% from previous week. Supplies watermelons up considerably. Harvest eggplant, potatoes, radishes, tomatoes increased while snap beans, celery, sweet corn, cucumbers, squash held steady. Cabbage, carrot, chinese cabbage, escarole, lettuce, okra, parsley, pepper supplies decreased. Commercial harvest cauliflower, strawberries complete. Strawberry harvest nearing completion. Watermelon volume increasing rapidly southwest; size variable, from 15 to 31 pounds. Quality fair to good. Light harvest expected this week west central area.

GEORGIA: Temperatures ranged from mid-60's northeast mountains to mid-70's south; 1 to 6° warmer than normal. Extremes: 90 and 46°. Rainfall ranged from 0.08 to 4.96 in. Showers continued during weekend with 2 day totals through 13th from 1.50 in. to over 4.00 in. southern half and generally less than 0.50 in. northern half, except for mountain sections.

Soil moisture adequate to surplus. Fieldwork: 3 days suitable. Wet soil obstructed field activities in some areas. Corn fair to mostly good; 98% planted, 93% last year, 94% average. Tobacco fair to mostly good. Watermelons fair to mostly good; 95% planted, 91% last year. Cotton fair to mostly good; 94% planted, 73% last year, 86% average; 83% up to stand, 55% last year, 59% average. Soybeans fair to mostly good; 24% planted, 14% last year, 22% average. Peanuts fair to mostly good; 91% planted, 67% last year, 82% average. Sorghum 31% planted, 26% last year. Small grain good. Peaches and apples good; spraying active. Pastures, hogs and cattle good. Vegetables fair to mostly good; excessive rain affecting quality of crops.

HAWAII: Warm, humid. Showers light; confined mainly windward areas.

Insect population increasing. Spray programs stepping up. Most sections heavier irrigation necessary. Vegetable supplies adequate. Banana, papaya supplies light. Moisture still ample most orchards. Pineapple harvesting will get heavier. Sugar harvesting active. Pastures generally fair to good.

IDAHO: Temperatures below normal. Precipitation heavy north and southwest--lighter in other areas.

Spring seeding in north delayed by rains. Spring wheat 80% seeded, last year 75%, normal 75%. Spring barley 70% seeded, last year 75%. Potatoes 45% planted, last year 50%. Fieldwork: 3 days suitable. Range feed adequate.

ILLINOIS: Temperatures 5 to 9° above normal. Precipitation 0.33 to 1.00 in.

Corn planting 35% complete, 31% 1978, 61% average. Soybean planting 4% complete, 2% 1978, 16% average. Oats seeding 98% complete, 93% 1978, 99% average. Winter wheat good; 5% headed,

3% 1978, 48% average. Alfalfa good. Plowing corn, soybean acreage 88% complete, 78% 1978, 94% average. Pastures good. Soil moisture adequate. Fieldwork: 4.5 days suitable.

INDIANA: Temperatures ranged from 34 to 88° and averaged 6 to 10° above normal. Showers on last 3 days averaged 0.30 in. southeast, 0.70 in. central, to 1.00 in. southwest and north central. Sunshine 70% of possible.

Fieldwork averaged 5 days. Topsoil and subsoil moisture adequate. Spring cropland 90% plowed, 1978 70%, average 90%. Corn 35% planted, 1978 15%, average 45%. Corn 5% emerged. Soybeans 5% planted; 1978 0%, average 10%. Oats 95% seeded, 1978 85%. Wheat fair to mostly good; 15 in. high, 1978 11 in. Fuel supplies adequate.

IOWA: Northwest unusually cold and wet but elsewhere precipitation light to moderate and temperatures moderated southeastward to become hot in southeast on 8th to 10th.

Fuel supply: LP gas adequate; diesel fuel adequate; gasoline adequate. Topsoil and subsoil moisture adequate to surplus. Plowing 90% complete, 80% 1978, 92% normal. Fertilizer applied 82%, 1978 74%. Oat acreage seeded 96%, 1978 92%, normal 96%. Oat acreage emerged 57%, 1978 64%. Corn acreage planted 34%, 1978 51%, normal 68%. Fieldwork: 5.0 days favorable. Crop condition oats, wheat, clover hay, alfalfa hay, pasture good; showing improvement. Livestock market movement slowed, little disease problems, feed lots drying.

KANSAS: Precipitation ranged from a few hundredths southwest and southeast to more than 2.00 in. north central and south central. Heavy thunderstorms dumped more than 5.00 in. in localized areas south central. Temperatures ranged from 51°, 6° below normal northwest, to 67°, 4° above normal northeast.

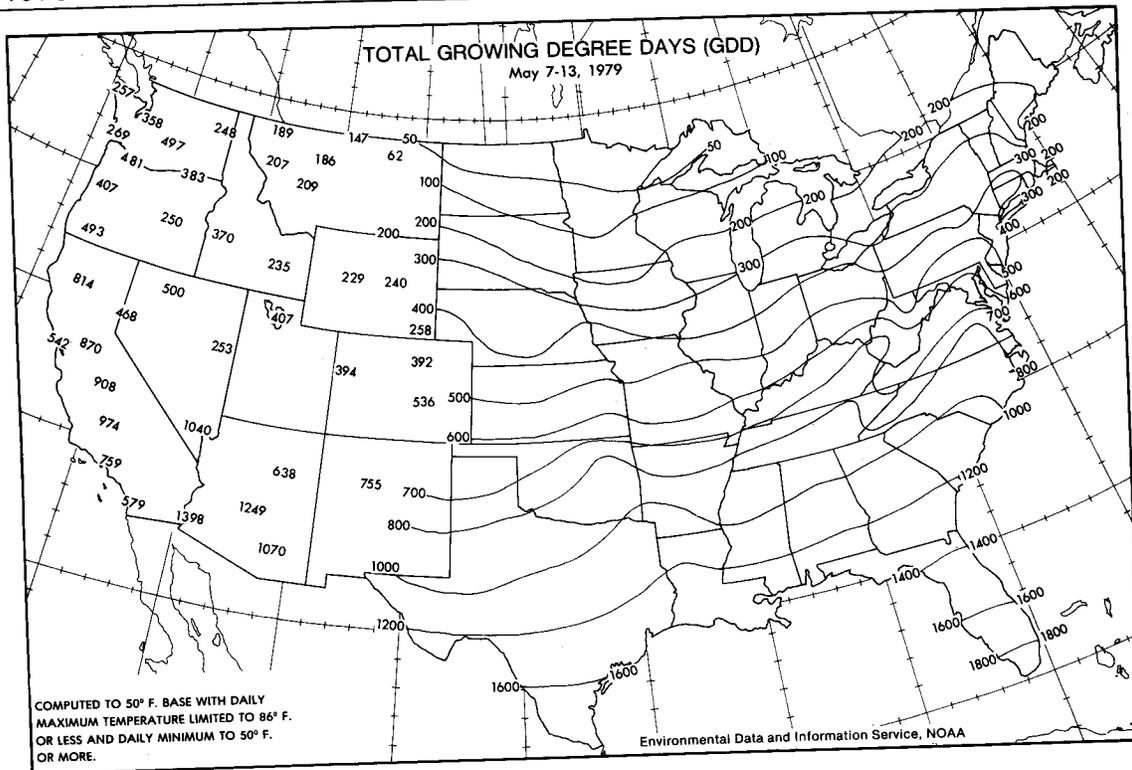
Corn 35% planted, 30% last year, 50% average. Sorghum 5% planted, above last year, and below 10% average. First cutting alfalfa hay 5% complete, equals last year, 10% normal. Wheat 80% jointed, 85% last year, 90% normal, 10% headed, 5% last year, 35% normal.

KENTUCKY: Temperatures 5 to 7° above normal with below normal readings only over weekend. Rainfall averaged 1.30 in. west but less than 0.50 in. elsewhere. Most rain fell 12th.

Fieldwork: 4.9 days favorable. Much of west too wet to till. Soil moisture adequate. Corn 38% planted, 33% last year, average 60%. Soybeans 5% planted, 3% last year, 8% average. Row crop planting way behind in extreme west and west central bordering Ohio River. Tobacco plants fair to mostly good condition. About third burley plants reached size of half-dollar or larger. Few early growers beginning to set but most at least a week away. Wheat 67% headed or heading. Pastures excellent.

LOUISIANA: Temperatures 1° below normal to 2° above normal. Extremes: 93 and 45°. Rainfall statewide.

Fieldwork: 4.7 days suitable. Soil moisture adequate south, adequate to surplus north. Cotton 55% planted, last year 65%, average 66%; 25% emerged. Rice 88% planted, 95% last year, 92% average; 84% emerged. Corn 91% planted, 95% last year, 88% average; 87% emerged. Soybeans 11% planted, 13% last year, 18% average; 5% emerged. Sorghum 25% planted, 18% last year, 36% average. Sweetpotatoes 35% transplanted, 12% last year,



28% average. Strawberry harvest complete. Small grains and cattle good. Pastures average.

MARYLAND & DELAWARE: Temperatures 5° above normal. Highs in upper 70's and low 80's and lows in upper 50's. Precipitation light, averaging about 0.25 in.

Fieldwork: 6.9 days suitable. Soil moisture short to adequate. Pastures supplying average amounts of feed. Corn planting over 40% complete, 35% last year, 57% normal. Small grains, hay crop, tobacco beds and fruit in good condition.

MICHIGAN: Temperatures above normal Lower and Upper ranging from 60's Lower to near 50° Upper. Extremes: 90 and 30°. Some daily record highs set in Lower Peninsula. Precipitation totaled near 1.00 in. over portions of western Lower and most of west Upper. Driest areas generally east Upper and northwest Lower.

Fieldwork: 5 days suitable. Plowing 65% complete, 70% last year and normal. Soil moisture supplies mostly adequate, some still surplus. Corn planted 25% complete, 60% last spring, 35% normal. Oats seeded 70% complete, 80% last year and normal. Sugarbeets 80% planted, 100% last season, 85% normal. Potatoes 45% planted, 50% last year, 45% normal. Fruit trees full bloom in southwest. Vegetable planting continued. Tomatoes planted under hotcaps. Asparagus 10% picked. Early onions, carrots and radishes up. Pasture feed average.

MINNESOTA: Temperatures 7 to 8° subnormal except southeast up to 4° above normal. Extremes: 83 and 26°. Precipitation averaged 2.00 to 3.00 in. above normal east central through southwest and near normal elsewhere. Precipitation totals near 4.00 in. east central through southwest and generally less than 1.00 in. elsewhere.

Fieldwork extremely limited. Heavy midweek rains halted progress southern half, will be several days before activity resumes. Slow drying fields in northern half restricting fieldwork to better drained soils, planting there will accelerate this week if no additional moisture. Planted: Corn 4%, 1978 38%, normal 54%; soybeans 0%, 1978 6%, normal 18%; spring wheat 13%, 1978 80%, normal 69%; oats 31%, 1978 72%, normal 74%; barley 4%, 1978 62%, normal 57%; flax 3%, 1978 12%, normal 41%; sunflowers 0%, 1978 11%, normal 31%; sugarbeets 4%, 1978 87%, normal 61%; potatoes 3%, 1978 29%, normal 36%; green peas for processing 30%, 1978 54%, normal 68%; sweet corn for processing 10%, 1978 20%, normal 33%.

MISSISSIPPI: Temperatures 1 to 2° below normal. Extremes: 46 and 91°. Cool early week with gradual warming until late week when front caused thundershowers and cooler temperatures.

Soil moisture surplus in Delta and across northern third, mostly adequate elsewhere. Fieldwork: 3.4 days suitable. Farmers rushing to prepare land and plant where dry enough. Cotton 35% planted, 60% 1978, 70% average; 13% up to stand, 35% 1978, 42% average. Soybeans 6% planted, 5% 1978, 14% average; 2% up to stand, 2% 1978. Rice 46% planted, 91% 1978, 80% average; 28% up to stand, 79% 1978, 55% average. Corn good to fair condition; 72% planted, 86% 1978, 78% average, 52% up to stand, 73% 1978. Winter wheat good condition; 17% ripe, 19% 1978. Peanuts 21% planted, 31% 1978. Sorghums 19% planted, 18% 1978, 22% average. Sweet potatoes 21% planted, 25% 1978, 29% average. Watermelons 89% planted. Pastures good condition. Peaches good to fair condition.

MISSOURI: Temperatures 3 to 5° above normal. Afternoon temperatures 80's to low 90's. Precipitation 0.50 to 1.00 in.

Fieldwork: 3.9 days suitable. Plowing 68% complete, last year 39%, normal 100%. Oats 82% sown, last year and normal 100%. Corn 27% planted, last year 14%, normal 60%. Grain sorghum 5% planted, last year 9%, normal 23%. Soybeans 2% planted, last year 4%, normal 15%. Cotton 26% planted, last year 68%, normal 63%. Wheat 11% headed, last year 21%, normal 54%. Condition of winter wheat and pasture mostly good. Soil moisture adequate to surplus.

MONTANA: Extensive precipitation first of week. Most areas received moderate to heavy amount of rains, but a few areas escaped rain altogether. Frequent showers rest of week. Heaviest precipitation north central, northeast and southeast. Cool with maximum temperatures in 50's and 60's. Temperatures 3° below normal west, 6° below southwest, 7° below central, and 10 to 12° below in northeast and southeast.

Soil moisture adequate. Fieldwork: 3 days suitable. Winter wheat fair condition. Planting progress: Spring wheat 15%, 50% 1978, 65% average; barley 25%, 45% 1978, 60% average; oats 15%, 50% 1978, 60% average; corn 20%, 25% 1978, 40% average; potatoes 20%, 20% 1978, 40% average; dry beans 10%, 20% 1978, 25% average; sugarbeets 60%, 85% 1978, 75% average. Livestock in good condition, 35% moved to summer range, normal 35%. Shearing 70% complete. Fuel supplies: LP gas, diesel, and gasoline mostly adequate.

NEBRASKA: Temperatures 5 to 9° below normal. Precipitation 0.33 in. southeast to 2.00 in. northeast. Elsewhere 0.75 to 1.50 in.

Winter wheat good to fair; 15% jointed, year ago 50%. Corn planting 25% complete, year ago 35%, normal 50%. Oats and barley seeding virtually complete. Fieldwork: 3.2 days suitable.

NEVADA: Storm early brought well below normal temperatures and widespread precipitation. Snow reached many northern valley floors. Warming trend end of week. Temperatures averaged 10° below normal.

Fieldwork hampered by gusty winds preceding storm. Shearing sheep progressing. Calving about completed.

NEW ENGLAND: Fair, very dry weather prevailed followed by showers and scattered thunderstorms late 12th and 13th. Temperatures dropped to frosty levels early 7th, however by 9th, unseasonably hot weather set in then cooler weather returned.

Potatoes, peas, lettuce, early sweet corn and other early vegetables up and doing well in southern areas while in north planting well underway. Fruit advanced rapidly in all areas. Peaches, pears, plums and apples in full bloom. Available grazing short, partly due to dry weather.

NEW JERSEY: Temperatures 7 to 10° above normal. Extremes: 42 and 91°. Rainfall 0.50 in. north, 1.42 in. central and 1.19 in. south. Soil temperature averaged 61° north, 66° central and south.

Fieldwork: 6 days suitable. Soil moisture adequate to excessive due to weekend rain. Crop growth advancing. Preparation and planting active. Apple and peach prospects good. Blueberries look good. Strawberries sizing. Hay and pasture growth good. Field corn planting underway. Oat planting almost complete. Preparations active for soybean planting.

NEW MEXICO: Rain and snow and turning considerably colder central and north at midweek. Warming and dry through weekend. Temperatures 4 to 6° colder than normal all except northeast.

Cotton planting 75% complete. Alfalfa 1st cutting well underway south. Irrigated wheat, barley, lettuce, onions and potatoes good. Dryland grains fair. Grain sorghum and corn planting heavy. Lettuce harvest in progress. Ranges fair to good.

NEW YORK: Precipitation below normal. Temperatures above normal. Many 90° readings. Cool trend weekend.

Fieldwork active. Oats 66% planted, 61% 1978. Corn planting 18% complete, 15% 1978. Wheat condition good. Pasture and hay fields improved. Onion planting nearly complete. Lettuce seeding started. Cabbage, carrots and beets planting at rapid pace. Long Island potato planting complete, Upstate advancing at good pace. Champlain Valley apples in pre-pink stage. Some blossoms open in Hudson Valley. Chautauqua-Erie Concord grapes in first flat leaf stage.

NORTH CAROLINA: Temperatures subnormal early week; 3 to 6° above normal weekend. Precipitation southeast 2.50 in., elsewhere 1.50 in., scattered showers and thundershowers.

Fieldwork: 4.6 days suitable. Soil moisture adequate to surplus. Condition of wheat, oats, barley, cotton, corn, tobacco plant beds, tobacco in field, Irish potatoes and peaches fair to mostly good. Pastures good. Vegetables fair to good. Tobacco plant supply adequate. Planted: Flue-cured tobacco 72%, 1978 35%, average 64%; corn 91%, 1978 86%, average 87%; soybeans 23%, 1978 8%, average 19%; peanuts 61%, 1978 8%, average 48%; cotton 94%, 1978 40%, average 77%; sweetpotatoes 18%, 1978 7%, average 21%; sorghum 22%, 1978 17%, average 30%; burley tobacco just underway, average 10%; summer cucumbers 65%; green peppers 77%.

NORTH DAKOTA: Another cold week. Temperatures averaged 7 to 12° below normal. Extremes: 21 and 66°. Soil temperatures in 30's. Precipitation generally less than 0.50 in. except extreme southeast 0.01 in.

Fieldwork continued to be delayed. Sun and warm temperatures needed. Fuel supplies mostly adequate but could grow tight as fieldwork becomes more general. Seeding underway in southern areas. Spring wheat 3% complete, 33% 1978, 61% average. Durum less than 1% seeded, 23% 1978, 38% average. Barley 1% seeded; oats 2% seeded. Corn and sunflower less than 1% planted. Sugarbeets 4% planted. Calves suffering from scours. Losses higher than normal many areas. Pasture growth very slow.

OHIO: Rain interruption came on weekend; rainfall less than 0.50 in., a few isolated thundershowers, 1.00 in. or more. Soil temperatures warmed steadily, maximums in 70's.

Excellent planting week. Conditions for germination of planted crops excellent. Planted acres of corn and oats emerging rapidly. Stands look good. Wheat conditions improve now rated as good. Alfalfa and other grasses made good growth. Corn planted 60%, 35% 1978, 55% average. Soybeans 20%, 10% 1978, 20% average. Oats planted 95%, 85% 1978, 95% average. Sugarbeets planted 95%, 80% 1978, 95% average. Potatoes planted 60%, 50% 1978, 65% average. Oats emerged 65%, 50% 1978. Wheat jointed 50%, 10% 1978, 55% average. Fieldwork: 6 days suitable. Pasture condition very good. Soil moisture adequate.

OKLAHOMA: Temperatures near normal northeast, 5° below normal Panhandle. Temperatures elsewhere 2 to 4° below normal. Precipitation varied from 0.07 in. southwest to 2.40 in. southeast.

Good, open spring weather enabled wheat and other small grains make good growth and develop-

ment. Topsoil and subsoil moisture adequate to surplus. Fieldwork: 4.9 days suitable. Wheat good to excellent condition, with 75% heading, 75% 1978, 85% average. Wheat 5% soft dough, 5% 1978, 10% average. Cotton seedbed preparation 80% complete, 70% average. Cotton 15% planted, 10% average.

OREGON: Temperatures cool first of week, warm by end of week. Departures 0 to 5° below normal west, 5 to 10° below normal east. Precipitation generally substantial first of week, zero by end of week. Amounts varied from 1.00 to 5.00 in. west; 0.20 to a little over 1.00 in. east.

Soil moisture adequate to surplus west, adequate east. Grain, hay and seed crops good condition west of Cascades, fair to good east. Winter wheat improved. Most reseeded wheat emerged, but cool weather slowed growth. Most fruit trees finished blooming and fruit sets coming on. Some late growing areas still blooming and petal fall stages. Bloom beginning on raspberries; full bloom strawberries. Vegetable planting slowed by wet fields and rain. Vegetables look good but growth slowed by cool weather. Potato plantings starting in Deschutes and Klamath Counties. Potatoes emerged in Malheur County and Hermiston-Boardman area. Livestock and poultry condition good. Range and pasture good, but grass growth slow. Cattle moving to summer pastures. Sheep shearing continued.

PENNSYLVANIA: Sunny and warm through 11th with near record maximum 80 and 90's; cloudy with showers and more seasonable temperatures weekend. Temperatures 9 to 13° above normal. Extremes: 94 and 36°. Showers and thunderstorms produced 0.75 to 1.50 in. rainfall west but only 0.50 in. or less central and east.

Fieldwork: 6 days suitable. Soil moisture mostly adequate to short. Activities: Plowing, discing; fence repair; spreading lime, manure, fertilizer; spraying; planting corn, oats, potatoes, soybeans, vegetables. Plowing 87%, last year 78%. Soybeans 8% planted, last year 0%. Oats 92% sown, last year 87%. Potatoes 66% planted, last year 58%. Corn 42% planted, last year 28%, average 29%. Barley 14% headed, 28% in boot, last year under 5% headed. Wheat 33% boot, last year under 5%. Hay condition mostly good. Slight amount of hay cut has good quality. Feed from pastures average. Peaches 87% in or past full bloom, last year 35%. Cherries 86% in or past full bloom, last year 50%. Apples 72% in or past full bloom, last year 21%. Some planting delayed due to late receipt of lime and fertilizer.

PUERTO RICO: Island average rainfall 1.78 in. or 0.24 in. above normal. Temperatures averaged about 80° on coasts and 74° interior. Extremes: 95 and 58°.

SOUTH CAROLINA: Weather near normal; temperatures somewhat higher last half week. Heavier than usual rainfall with precipitation every day some stations. Heavy rains southern coast, scattered hail 13th, damage reports not available.

Soil moisture adequate to surplus. Fieldwork: 3 days suitable. All corn planted, good condition. Cotton condition fair to good; weather too cool; 97% planted, 72% last year, 86% average. Soybeans 18% planted, 11% last year, 17% average; will plant rapidly with good weather. Peanuts fair to good; 66% planted, 60% last year, 73% average. Sorghum 7% planted, 8% last year, 17% average. Sweetpotatoes 44% planted, 24% last year, 32% average. Small grains 96% headed; wheat, oat condition fair to good with some powdery mildew in wheat. Peach, apple, grape conditions good. Grapes blooming.

Frequent rains sizing peaches, apples rapidly. Snap beans 3% harvested, cabbage 21%; squash starting, cucumbers scheduled to begin next week. Vegetable, melon condition good except tomatoes good to excellent.

SOUTH DAKOTA: Temperatures warm early, cold midweek, warmer end. Readings 10° below normal. Extremes: 19 and 78°. Precipitation north 0.10 to 1.11 in.; south 1.00 in. or more. Growing degree days below normal.

Fieldwork: 2 days suitable. Oats planted 72%, 1978 60%, average 87%. Barley planted 63%, 1978 61%, average 84%. Spring wheat 69%, 1978 66%, average 88%. Flax planted 11%, 1978 9%, average 41%. Corn planted 2%, 1978 8%, average 27%.

TENNESSEE: Fair early week; thunderstorms weekend. Precipitation 1.00 to 1.50 in. Temperatures 2 to 4° above normal.

Soil moisture surplus. Fieldwork: 3.6 days suitable. Spring plowing 75% completed, 1978 82%, average 82%. Corn 50% planted, 1978 60%, average 64%. Cotton 30%, 1978 58%, average 64%. Few fields soybeans planted. Tobacco 4% transplanted, 1978 2%, average 8%. Wheat 70% headed, 1978 66%, average 81%. Oats 77% headed, 1978 50%, average 70%. Barley 79% headed, 1978 54%, average 80%. First cutting alfalfa 30% complete, 1978 13%, average 18%. Weekend showers will delay fieldwork coming week. Fuel supplies mostly adequate. Farmers behind on fieldwork and have not used the usual amount for this time of year.

TEXAS: Cold front moved across State midweek. Thunderstorms developed ahead of front across south central Texas and Coastal Plains. High pressure dominated weather 12th. High pressure over central Texas 13th with fair skies and no precipitation. Rainfall 0.75 to 1.00 in. above normal over north central and south central Texas; 0.25 in. above normal across western portions of north Texas; 1.00 in. above normal in coastal region; far west Texas and southeastern portions of State 0.50 to 1.00 in. below normal; 0.25 in. below normal across Panhandle southward across Edwards Plateau and lower Rio Grande Valley. Rainfall elsewhere near normal.

Cotton planting advanced rapidly in irrigated fields on High Plains. Many dryland fields throughout Panhandle need planting rain. Mild days and cool nights inhibited cotton growth in central, south. Cotton blooming in Rio Grande Valley. Corn planting completed in many areas High Plains. Good to excellent stands noted on earlier planted fields. Some fields in lower Rio Grande Valley attained roasting ear stage. Sorghum heading in some fields south although farmers on High Plains awaiting warmer soil temperatures for full scale planting. Cool, cloudy weather caused chinch bug build-up while ridge noted in Rio Grande Valley. Wheat continued to make generally good growth as heading observed as far north as High Plains. Fields in isolated areas of Panhandle suffering some moisture stress. Cold temperatures noted in number of northern areas, with some freeze damage in northern Panhandle. Spraying for control of armyworms and greenbugs centered in central and south although cool weather contributed to insect build-up statewide. Peanut planting underway on Edwards Plateau. Good stands noted on earlier planted fields in south. Flax and oat harvest commenced in south. Cotton planted 29%, 34% 1978, 40% average; squaring 4%. Rice planted 93%, 100% 1978, 97% average; emerged 78%. Sorghum planted all purposes 66%, 71% 1978, 66% average; headed 3%. Wheat headed 69%; turning color 8%. Flax harvested 11%, 26% 1978, 40% average. Oats harvested 3%, 4% 1978,

3% average. Corn planted 94%, 94% 1978, 95% average. Peanuts planted 12%, 19% 1978, 23% average. Sunflowers planted 8%, 0% 1978, 9% average. Soybeans planted 2%, 6% 1978, 7% average.

Onion, cucumber, and potato harvests limited to better drained fields following rains. Disease outbreaks on increase in cantaloup and honeydew fields. Prolonged cool, wet weather east Texas continued delay land preparation and planting. Tomatoes suffering foliage diseases. Drying weather central Texas improved growing conditions. Tomatoes setting fruit, melons vining. Peach harvest active south. Hill country crop continued to size, harvest expected within two weeks. Pecan producers on watch for casebearers. Trees in various stages ranging from bloom stage in north to nuts being set south central.

Rangeland, pastures on High Plains continued provide sufficient grazing although additional rainfall welcomed to maintain growth. Cattle on wheat continued excellent gains with movement off grazed-out fields. Ample forage throughout central as hay cutting begun. Recent rains south improved grazing conditions. Additional moisture needed to stimulate grass development in Trans-Pecos. Livestock condition ranged fair to excellent.

UTAH: Recurring rain or snow; clearing and warmer weekend. Moisture generally moderate to heavy. Temperatures much below normal ranging between 3 and 12° below.

Fruit frost damage reported in Cache Valley, light along Wasatch front. Wind machines and heaters necessary. Pollination still questionable. Rains improved moisture conditions, damaged some cut alfalfa in St. George area. Fieldwork: 3 to 4 days suitable. All growth slowed by cold weather. Planting continued. Spring wheat and barley 85% planted, oats 80% sown, corn planting continued. Potato planting nearing completion in north, about 33% complete in Millard County. Tomato planting not started. Livestock movement continued, about half complete. Calving drawing to close, lambing nearing completion. Shearing continued.

VIRGINIA: Rather warm, humid. Highs: 70's and 80's; lows: 50's and 60's. Extremes: 91 and 39°. Rainfall moderate occurring mainly last half; average 1.25 in.

Topsoil moisture mostly adequate. Fieldwork: 5.2 days suitable. Planting progress: Corn 75%, 59% 1978, 70% usual; Tidewater, southeast corn 95%, 80% 1978; soybeans 8%, 3% 1978, 11% average; peanuts 60%, 6% 1978, 43% usual; tobacco-flue-cured 12%, 1% 1978, 19% average; fire-cured 6%, 0% 1978, 7% usual; burley 4%. Small grains, pastures, hay, fruit, livestock good. Agricultural fuel supplies mostly adequate. Other activities: Hay cutting; shearing sheep; strawberry picking; land preparation for sweetpotatoes on Eastern Shore; cultivating potatoes, snapbeans, tomatoes, corn; setting cabbage and planting late summer vegetables in southwest.

WASHINGTON: West: Temperatures near normal to 4° below normal. Precipitation near normal to 1.50 in. above normal. Sunshine mixed with overcast skies and rain with clearing over weekend. Planting lettuce, corn, carrots, cucumbers, green peas, bush beans active. Berries making

good growth although freeze damage becoming evident. Mite problem in strawberries. Field rhubarb harvest continued. Pastures making good growth.

East: Temperatures 3 to 6° below normal. Precipitation 0.30 to 0.50 in. above normal. Variable weather during week with weekend clearing.

Cool nights forced orchard heating. Conditions good for pollination, fruit set. Winter tree damage continued to show up in orchards. Corn, bean planting continued. Potato planting near complete. Early seeded potatoes up 5 to 6 in. Asparagus cutting continued. Alfalfa growth behind average. Spraying weeds, working summerfallow, fertilizing for fall seeding active. Spring seeding in late areas delayed by rain. Stands in generally good shape. Pasture growth improved. Wheat headed: 0%, 7% 1978.

WEST VIRGINIA: Temperatures well above normal. Precipitation slightly above normal. Extremes: 92 and 25°.

Fieldwork: 5.1 days suitable. Soil moisture adequate to short. Main activities: Planting corn, plowing and fencing. Wheat and barley good to fair condition. Oats fair to good condition. Oats 81% planted. Corn 37% planted. Tobacco beds all planted, 79% emerged. Pasture and hay fair to good condition. Planting of spring crops ahead of last year but near normal.

WISCONSIN: Temperatures near normal north, above normal elsewhere. Highs in mid-80's south 8th to 10th but only 50's and 60's north as stationary front stretching across State caused large temperature contrast. Scattered showers and thunderstorms to west and north of front every day, heaviest amounts of 1.50 to 3.00 in. extreme northwest. Warm over most of State 10th but cold front pushing through produced rain and cooler temperatures. Scattered showers 13th but light amounts except in northeast.

Fieldwork: 3 days suitable, ranging from 1 north to 7 south. Oats 45% planted, 1978 90%, normal 80%. Most done south but many in north have none planted. Early oats growing good, winter wheat also good. Corn 15% planted, 1978 30%, normal 27%. Corn planting going strong south, a little early corn up. Spring plowing 40% done, 1978 70%, normal 65%. Wet spots a problem in some fields. Hay and pastures had rapid growth south during warm weather. Most hay fields look good but alfalfa weevil activity increasing. Planting of potatoes, peas, sweet corn, and other crops active in central and south. Tobacco beds coming good. Strawberries blossoming south, apple trees near bloom. Soil moisture adequate south, surplus elsewhere.

WYOMING: Temperatures below normal. Precipitation generally above normal except Belle Fourche drainage.

Topsoil moisture adequate. Wet weather stopped fieldwork most areas. Fieldwork: 2 days suitable. Acreage planted: Spring wheat 61%; oats 68%; barley 71%; sugarbeets 96%; corn 30%; potatoes 7%. Acreage emerged: Spring wheat 28%; oats 26%; barley 46%; sugarbeets 50%; corn 2%. Prospects for winter wheat and alfalfa good. Supplies of fuels tight in few localities but mostly adequate. Calving 88% completed; range sheep lambed 59%; farm flocks lambed 94%; farm flocks shorn 88%.

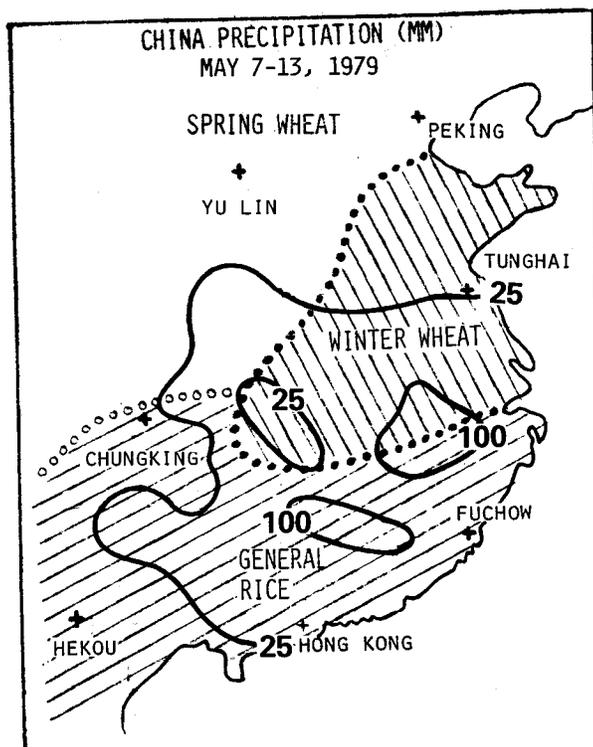
World Weather and Crop Update

May 7 - 13

USSR. Showers fell over much of the winter grains region of the Soviet Union with amounts ranging from 5 to 20 mm. This moisture was likely beneficial to most of the area because the previous two weeks had been relatively dry. The western portions of the Ukraine and the Balkan States were the only areas not needing moisture. The Krasnodor region was dry; moisture in the area has been sparse the past three weeks, although soil moisture is still considered adequate. No moisture fell for the second straight week in the New Lands, where spring wheat seeding should be underway. Moisture

will be needed within the next 2 to 3 weeks to get the new seedings established.

CHINA. The rainfall pattern of the past week was almost a carbon copy of the previous week with heavy rains across the central and southern parts of the agricultural areas. Rainfall amounts generally ranged from 25 to 75 mm, but central portions of the rice-tea and double crop rice regions received more than 100 mm. The northern half of the winter wheat region and the spring wheat region received only light precipitation.



AUSTRALIA. Only light precipitation (0 to 10 mm) moistened the winter grains areas. Planting of winter grains should pick up markedly, combined with the good rains of the previous week.

INDIA-SOUTHEAST ASIA. Heavy rains fell along the southeastern coast of India over the weekend as a strong tropical cyclone moved onshore. Most coastal areas received 25 to 100 mm. The northern wheat producing areas were dry, and harvest should have continued to move smoothly. Much of Southeast Asia received good moisture with amounts from 25 to 50 mm. This moisture was needed badly and should help improve conditions for getting field preparations underway.

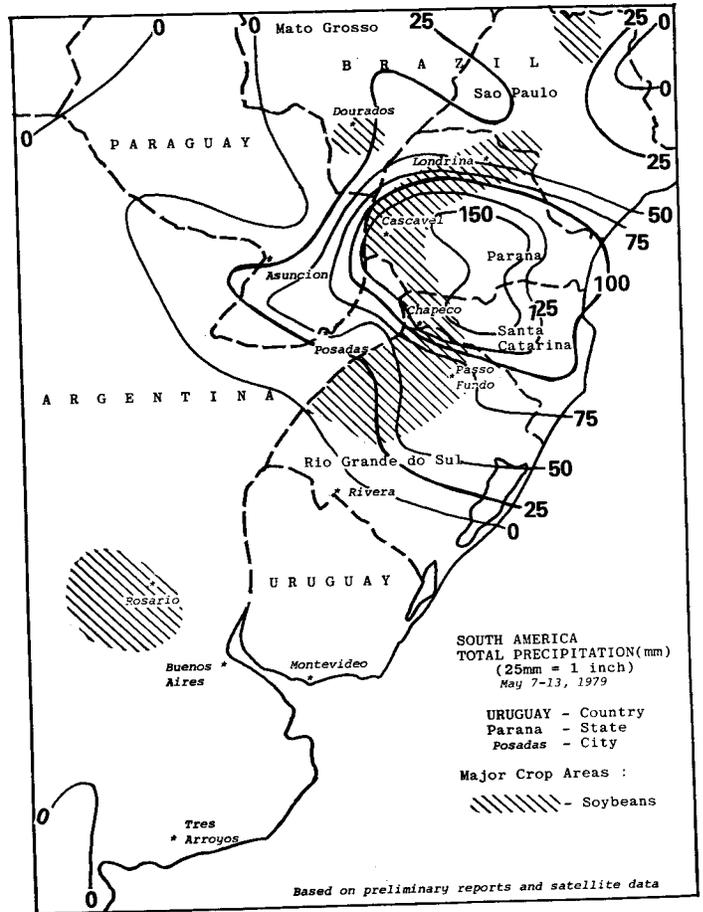
AFRICA. Little or no precipitation fell in either northern Africa or South Africa. However, good

rainfall did occur across many of the Sahelian countries with amounts well above normal for this time of the year.

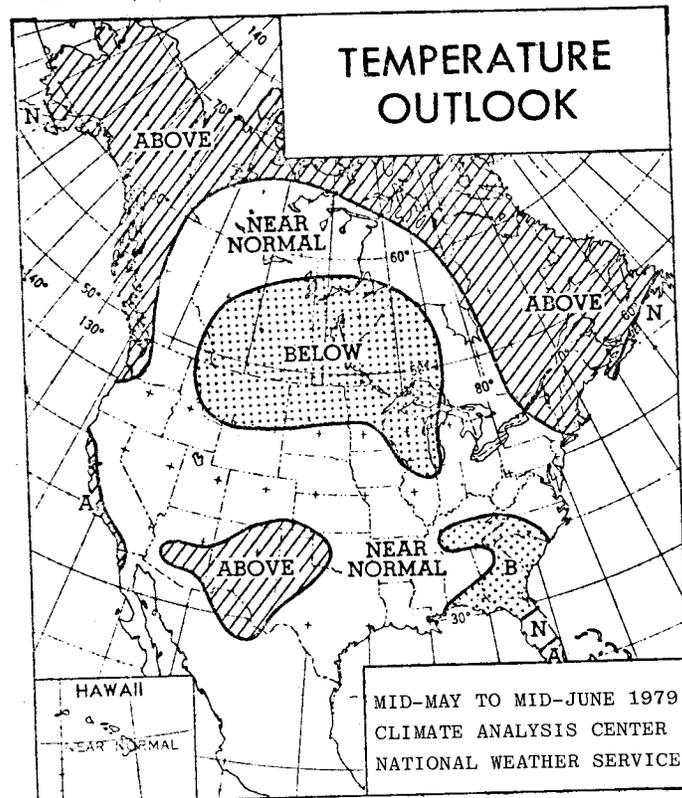
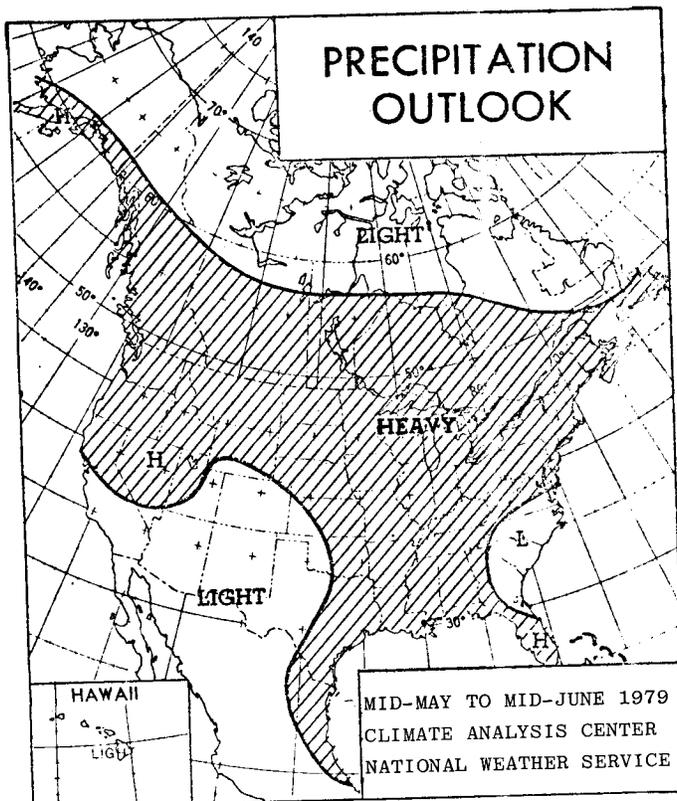
EUROPE. Precipitation stayed generally below normal across most of Europe following two weeks of above-normal moisture. The drier weather was badly needed so farmers could catch up with their fieldwork. Most of France, Spain, and northern Italy received no rain. East Germany and Poland received less than 5 mm. However, an intense weekend storm dropped 50 to 100 mm over much of Romania, Bulgaria, and Yugoslavia. Well-above-normal moisture again fell over much of the United Kingdom where very few days have been suitable for working the fields this spring.

SOUTH AMERICA. Heavy rains fell over southern Brazil with most areas receiving 60 to more than 100 mm. The rains have disrupted soybean harvesting which should be approaching completion. Argentina was generally dry with scattered areas receiving only light amounts; soybean harvest should be getting underway in Argentina.

MEXICO. Showers scattered across east central Mexico during the last part of the week but failed to fall over most of the major citrus areas. However, the Jalapa citrus region recorded a heavy amount of 30 mm. A shortage of soil moisture in non-irrigated orchards continues to be a problem this spring in Montemorelos-Rio Verde areas. Mostly sunny, warm weather helped highland strawberries in the Zamora-Irapuato region and west coast vegetables, including Culican tomatoes. Afternoon temperatures averaged 27 to 34°C while nighttime minima were 10 to 14°C in the highlands and 15 to 20°C along the coast.



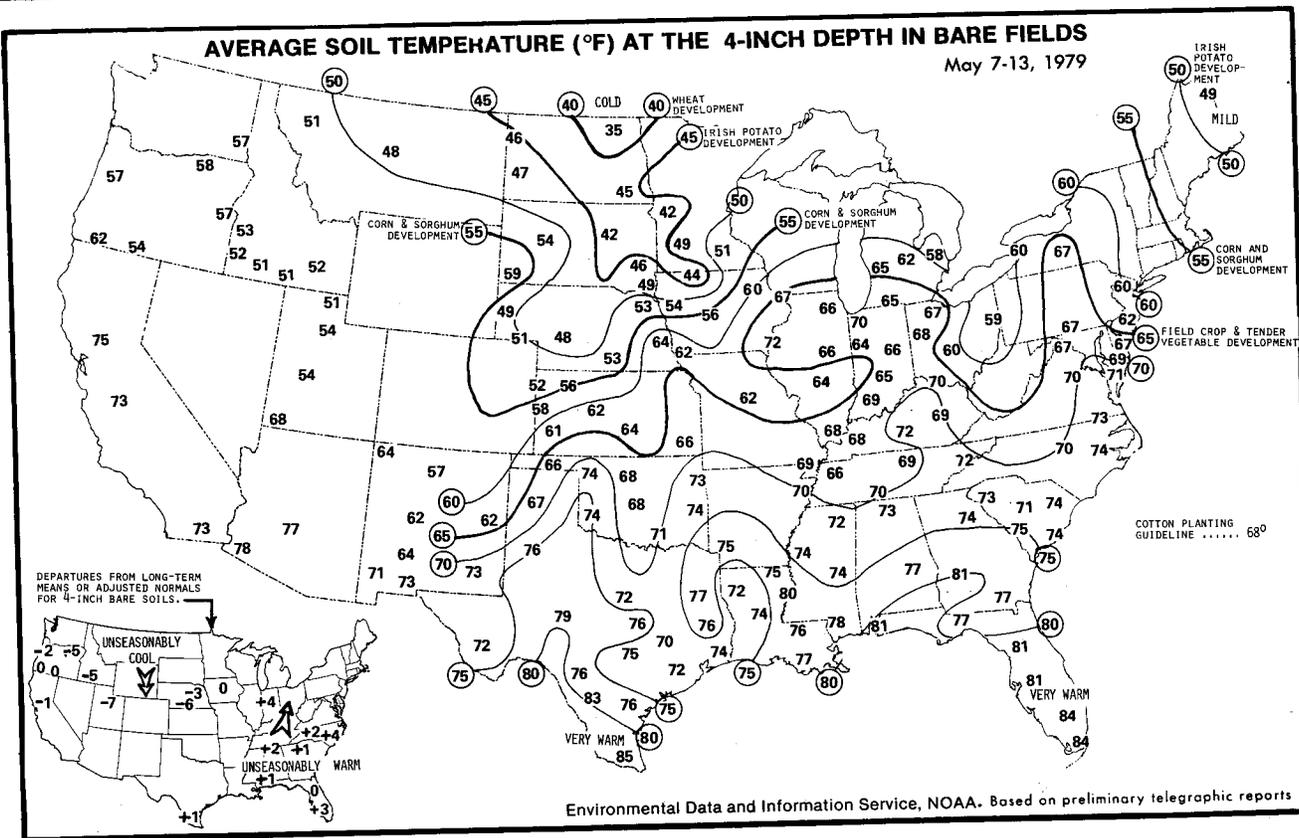
Average Monthly Weather Outlook



Temperature and Precipitation Data for April 1979

States and Stations	Temperature Of		Precipitation Inches		States and Stations	Temperature Of		Precipitation Inches		States and Stations	Temperature Of		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	64	+ 1	13.8	+ 8.9	LA. Baton Rouge . . .	69	+ 1	11.5	+ 6.4	Youngstown . . .	46	- 2	4.0	+ .3
Mobile . . .	69	+ 1	4.1	- 1.5	Lake Charles . . .	69	0	6.3	+ 2.0	OKLA. Okla. City . . .	58	- 2	2.8	- .7
Montgomery . . .	66	+ 1	10.2	+ 5.7	New Orleans . . .	71	+ 2	4.9	+ .7	Tulsa . . .	61	0	4.5	+ .3
ALASKA. Anchorage . .	39	+ 4	.9	+ .3	Shreveport . . .	66	0	7.4	+ 2.2	OREG. Astoria . . .	49	+ 1	4.4	- .2
Barrow . . .	- 1	0	.1	- .1	MAINE. Caribou . . .	41	+ 4	3.1	+ .7	Burns . . .	44	0	8.8	+ .1
Fairbanks . . .	31	+ 2	.8	+ .5	Portland . . .	42	- 1	6.5	+ 3.2	Medford . . .	51	+ 1	2.2	+ 1.2
Juneau . . .	41	+ 2	1.0	- 2.0	MD. Baltimore . . .	53	- 1	3.4	+ .3	Pendleton . . .	50	- 1	1.2	+ .2
Kodiak . . .	44	+ 7	3.4	- .4	MASS. Boston . . .	49	0	3.2	- .3	Portland . . .	53	+ 2	2.5	+ .3
Nome . . .	26	+ 7	1.6	+ .9	Chatham . . .	44	- 1	3.4	- .6	Salem . . .	51	+ 1	2.8	+ .5
ARK. Flagstaff . . .	41	- 1	3.2	+ 1.9	MICH. Alpena . . .	41	+ 1	3.0	+ .6	PA. Allentown . . .	50	0	3.7	- .1
Phoenix . . .	70	+ 2	T	- .3	Detroit . . .	45	- 3	4.9	+ 1.7	Erie . . .	42	- 3	4.7	+ 1.1
Tucson . . .	66	0	.4	0	Flint . . .	45	- 1	2.3	+ .6	Harrisburg . . .	50	- 3	3.6	+ .6
Winslow . . .	54	0	.4	0	Grand Rapids . . .	45	- 2	3.6	+ .2	Philadelphia . . .	52	- 1	4.1	+ .8
Yuma . . .	72	+ 1	0	- .1	Houghton Lake . . .	40	- 2	3.2	+ .8	Pittsburgh . . .	50	0	3.2	- .2
ARK. Fort Smith . . .	60	- 2	4.8	+ .1	Lansing . . .	45	- 2	2.7	- .2	Scranton . . .	46	- 3	3.7	+ .3
Little Rock . . .	61	- 1	8.8	+ 3.5	Marquette . . .	34	- 3	1.8	- 1.1	R. I. Providence . . .	65	0	3.8	+ .8
CALIF. Bakersfield . .	63	0	T	- .9	Muskegon . . .	41	- 4	2.9	- .3	S. C. Charleston . . .	62	- 2	6.9	+ 3.4
Eureka . . .	51	+ 1	3.9	+ .9	S. Ste. Marie . . .	37	- 1	3.8	+ 1.6	Columbia . . .	61	0	10.2	+ 5.9
Fresno . . .	63	+ 3	- 1	- 1.1	MINN. Duluth . . .	35	- 4	1.2	- 1.4	Greenville . . .	41	- 3	2.9	+ .9
Los Angeles . . .	59	- 1	1.3	- .5	Internat'l Falls . .	34	- 4	2.7	+ 1.0	S. D. Aberdeen . . .	42	- 4	2.2	+ .2
Red Bluff . . .	63	+ 2	.2	- .9	Minneapolis . . .	44	- 1	.7	- 1.3	Huron . . .	44	- 1	.3	- 1.8
San Diego . . .	56	+ 1	.7	- .9	Rochester . . .	42	- 3	2.1	- .3	Rapid City . . .	44	- 2	2.8	+ .5
San Francisco . . .	61	+ 2	.8	- .6	St. Cloud . . .	39	- 4	.7	- 1.6	Sioux Falls . . .	44	- 2	7.5	+ 3.1
Stockton . . .	49	+ 1	1.4	- .5	MISS. Jackson . . .	65	- 1	14.4	+ 9.7	TENN. Chattanooga . .	60	0	7.5	+ 6.7
COLO. Denver . . .	53	+ 1	.4	- .4	Meridian . . .	64	- 1	10.7	+ 5.6	Knoxville . . .	60	0	4.3	+ .7
Grand Junction . . .	52	0	.5	- .8	MO. Columbia . . .	53	- 2	5.1	+ 1.3	Memphis . . .	63	0	11.5	+ 6.1
Pueblo . . .	50	+ 2	4.5	+ 1.1	Kansas City . . .	52	- 2	2.4	- 1.1	Nashville . . .	58	- 2	7.8	+ 3.7
CONN. Bridgeport . . .	49	+ 1	5.9	+ 2.1	St. Louis . . .	53	- 4	7.5	+ 3.6	TEX. Abilene . . .	64	- 1	1.7	- .8
Hartford . . .	56	0	1.9	- 1.0	Springfield . . .	54	- 3	7.2	+ 2.9	Amarillo . . .	55	- 2	1.3	+ .1
D. C. Washington . . .	69	+ 1	3.3	- .3	MONT. Billings . . .	44	- 1	1.2	- .4	Austin . . .	67	- 2	3.0	- .5
FLA. Apalachicola . .	72	+ 2	4.0	+ 1.6	Glasgow . . .	36	- 7	1.3	+ .6	Beaumont . . .	70	+ 1	7.4	+ 3.2
Daytona Beach . . .	76	+ 3	3.1	+ 1.1	Great Falls . . .	41	- 2	2.1	+ .9	Brownsville . . .	73	- 2	3.9	+ 2.6
Ft. Myers . . .	69	+ 1	4.2	+ 1.1	Havre . . .	40	- 3	1.7	+ .7	Corpus Christi . . .	74	+ 1	3.7	+ 1.5
Jacksonville . . .	79	+ 1	4.6	+ 2.3	Helena . . .	43	0	2.3	+ 1.4	Del Rio . . .	70	- 2	1.5	- .1
Key West . . .	--	--	--	--	Kalispell . . .	43	+ 1	1.5	+ .5	El Paso . . .	64	0	.3	+ .1
Lakeland . . .	78	+ 3	17.3	+ 13.7	Miles City . . .	42	- 3	.8	- .5	Fort Worth . . .	64	- 1	2.0	- 2.3
Miami . . .	73	+ 2	1.1	- 1.6	Missoula . . .	44	0	1.0	0	Galveston . . .	69	0	4.9	+ 2.3
Orlando . . .	67	- 1	10.4	+ 6.3	NEBR. Grand Island .	48	- 2	3.3	+ .8	Houston . . .	69	0	7.8	+ 4.3
Tallahassee . . .	74	+ 2	.6	- 1.5	Lincoln . . .	50	- 1	2.9	+ .4	Lubbock . . .	62	+ 2	1.2	+ .1
Tampa . . .	74	+ 2	8.7	+ 5.2	Norfolk . . .	47	- 2	1.9	- .3	Midland . . .	63	- 1	1.6	+ .7
W. Palm Beach . . .	63	+ 2	11.9	+ 7.3	N. Platte . . .	48	0	1.5	- .4	San Angelo . . .	65	- 2	1.9	+ .2
GA. Atlanta . . .	63	- 1	5.3	+ 1.9	Omaha . . .	48	- 2	2.7	- .1	San Antonio . . .	70	0	5.3	+ 2.8
Augusta . . .	65	- 1	6.9	+ 3.3	Valentine . . .	46	0	1.5	- .3	San Antonio . . .	71	0	5.2	+ 2.5
Macon . . .	68	+ 2	3.8	+ .9	NEV. Ely . . .	42	+ 1	.2	- .8	Victoria . . .	65	- 2	1.4	- 2.6
Savannah . . .	74	+ 2	9.9	- 3.0	Las Vegas . . .	66	+ 2	.1	- .2	Waco . . .	62	- 2	2.7	- .5
HAWAII. Hilo . . .	75	0	.6	- .8	Reno . . .	47	0	.4	- .1	Wichita Falls . . .	48	+ 1	.4	- .5
Honolulu . . .	73	- 1	2.9	+ 1.6	Winnemucca . . .	47	+ 2	1.0	+ .3	UTAH. Blanding . . .	51	+ 2	1.0	- 1.1
Kahului . . .	73	0	1.1	- 2.2	N. H. Concord . . .	44	0	3.1	+ .2	Salt Lake City . . .	44	+ 1	3.6	+ 1.0
Lihue . . .	49	0	1.6	+ .5	N. J. Atlantic City .	51	- 1	3.0	- .4	VT. Burlington . . .	56	- 1	3.3	+ .6
IDAHO. Boise . . .	50	0	2.2	+ 1.1	Trenton . . .	51	- 1	2.8	- .4	VA. Lynchburg . . .	58	0	7.0	+ 4.3
Lewiston . . .	44	- 1	.6	- .5	N. MEX. Albuquerque .	57	+ 1	.2	- .3	Norfolk . . .	58	0	4.0	+ 1.2
Pocatello . . .	58	- 2	8.7	+ 4.3	Roswell . . .	61	+ 1	.3	- .2	Richmond . . .	56	0	4.0	+ 1.2
ILL. Cairo . . .	45	- 5	5.0	+ 1.2	N. Y. Albany . . .	45	- 2	3.9	+ 1.2	Roanoke . . .	46	- 1	.9	- .1
Chicago . . .	47	- 4	4.0	+ .2	Binghamton . . .	43	- 2	3.1	- .1	WASH. Colville . . .	48	- 1	1.2	+ .2
Moline . . .	48	- 3	4.5	+ .1	Buffalo . . .	44	- 1	3.2	0	Omak . . .	47	+ 1	5.4	- 2.8
Peoria . . .	43	- 5	5.2	+ 1.3	New York . . .	50	- 2	3.6	0	Quillayute . . .	51	+ 2	.8	- 1.7
Rockford . . .	50	- 3	7.2	+ 3.1	Rochester . . .	44	- 2	3.8	+ 1.1	Seattle-Tacoma . . .	46	0	.7	- .4
Springfield . . .	54	- 3	6.1	+ 2.0	Syracuse . . .	45	- 2	3.9	+ .8	Spokane . . .	53	0	1.8	+ .4
IND. Evansville . . .	47	- 2	2.2	- 1.4	N. C. Asheville . . .	56	0	7.3	+ 3.8	Walla Walla . . .	50	0	.1	- .4
Ft. Wayne . . .	50	- 2	3.1	- .8	Charlotte . . .	60	- 1	6.5	+ 3.1	W. VA. Beckley . . .	52	0	3.1	- .2
Indianapolis . . .	46	- 2	5.8	+ 1.8	Greensboro . . .	59	0	3.2	0	Charleston . . .	55	- 1	3.8	+ .5
South Bend . . .	48	- 3	3.9	+ .1	Hatteras . . .	59	0	2.7	- .4	Huntington . . .	56	0	2.8	- .5
IOWA. Burlington . . .	47	- 3	3.2	+ .3	Raleigh . . .	60	0	2.6	- .5	Parkersburg . . .	53	- 2	2.3	- 1.2
Des Moines . . .	44	- 4	2.4	- 1.8	Wilmington . . .	66	+ 3	5.6	+ 2.7	WISC. Green Bay . . .	42	- 2	1.9	- .8
Dubuque . . .	47	- 2	2.3	+ .1	N. DAK. Bismarck . .	35	- 8	.9	- .5	La Crosse . . .	46	- 2	1.8	- .8
Sioux City . . .	51	- 2	1.5	- .8	Fargo . . .	36	- 6	3.0	+ .9	Madison . . .	42	- 3	2.5	- .2
KANS. Concordia . . .	54	0	2.0	+ .3	Williston . . .	35	- 7	1.7	+ .5	Milwaukee . . .	42	+ 3	5.5	+ 2.7
Dodge City . . .	51	+ 2	1.1	- .3	OHIO. Akron-Canton .	47	- 2	3.6	+ .3	WYO. Casper . . .	44	+ 1	.8	- .7
Goodland . . .	53	- 2	2.4	- 1.2	Cincinnati . . .	51	- 3	4.9	+ 1.3	Cheyenne . . .	44	+ 1	.8	- .8
Topeka . . .	54	- 3	1.5	- 1.5	Cleveland . . .	47	- 1	3.1	- .4	Lander . . .	44	+ 1	1.7	- .7
Wichita . . .	54	- 1	4.9	+ 1.0	Columbus . . .	50	- 1	4.0	+ .3	Sheridan . . .	41	- 3	1.3	- .8
KY. Lexington . . .	55	- 1	7.3	+ 3.2	Dayton . . .	50	- 1	3.6	+ .3	P. R. San Juan . . .	79	+ 1	4.1	+ .7
Louisville . . .	--	--	--	--	Toledo . . .	46	- 2	4.0	+ 1.0					

Based on 1941-70 normals



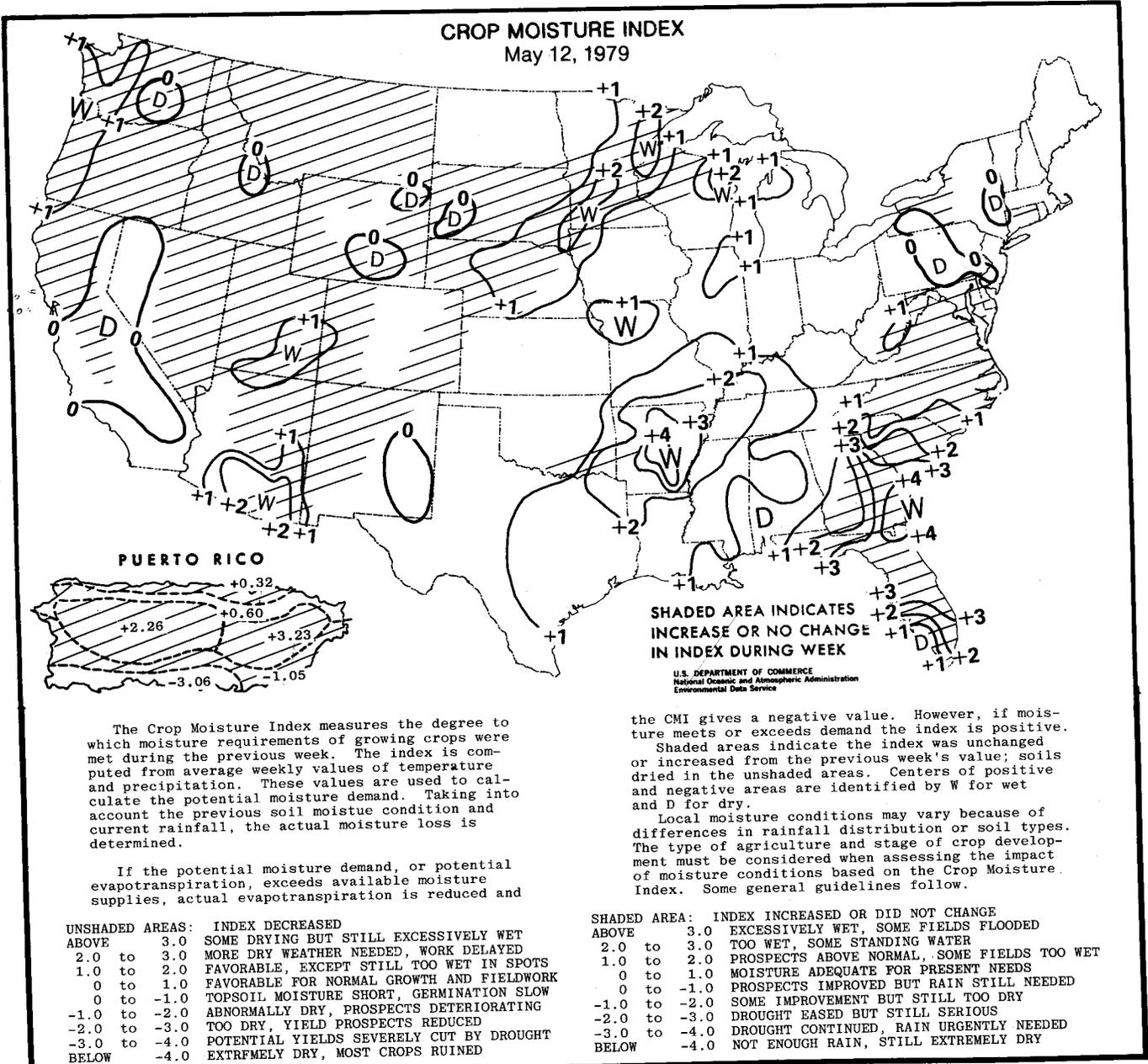
WATER SUPPLY OUTLOOK FOR THE WESTERN UNITED STATES
Issued as of May 1, 1979

The table below shows the runoff forecast in percent of the 15-year (1963-77) average. The forecasts are for the remainder of the water year (October thru September), except for the full water year for the Sacramento and San Joaquin Basins; April 1 to September 30, 1979, for the Missouri, Yellowstone, and North Platte Basins;

November 1, 1978, to June 30, 1979, for the Little Colorado Basins; and January 1 to June 30, 1979, for the Gila Basin. The publication "Water Supply Outlook for the Western United States," issued as of May 1, 1979, contains the complete water supply forecasts for about 375 stations in the Western United States.

River	Station	Forecast 1,000 Acre-Feet	Percent 15-year average
Columbia	Grand Coulee, WA	57,600	85
Columbia	The Dalles, OR	84,500	82
Snake	Lower Granite, WA	19,000	82
Sacramento	Red Bluff, CA	5,500	61
San Joaquin	Big Creek, CA	1,500	117
Weber	Gateway, UT	185	78
Jordan	Utah Lake, UT	180	103
Truckee	L. Tahoe-Farad	165	81
Colorado	L. Powell infl.	9,100	149
Green	Green River, UT	2,980	115
San Juan	Bluff, UT	1,600	225
Little Colo.	Woodruff, AZ	-	-
Gila	Solomon, AZ	-	-
Rio Grande	San Marcial, NM	1,250	373
Arkansas	Pueblo, CO	340	135
Missouri	Ft. Peck, MT	3,880	91
Yellowstone	Sidney, MT	7,050	90
North Platte	Glendo, WY	765	94

Office of Hydrology
National Weather Service



THERE ARE STILL NO SERIOUSLY DRY AREAS IN THE NATION. RECENT RAINS HAVE INCREASED THE CROP MOISTURE INDEX IN AN AREA FROM CENTRAL NEBRASKA TO NORTHEASTERN MINNESOTA AND NORTHERN WISCONSIN. PART OF THE AREA IS CLASSIFIED AS "TOO WET, SOME STANDING WATER". ELSEWHERE, THE WET AREA THAT WAS IN OKLAHOMA HAS MOVED TO ARKANSAS AND THE UPPER DELTA REGION. THE CROP MOISTURE IS EXCESSIVE. SOUTHEASTERN U.S. ALSO HAS EXCESSIVE CROP MOISTURE. CENTRAL FLORIDA, WHICH WAS SLIGHTLY DRY LAST WEEK, NOW HAS EXCESSIVE CROP MOISTURE.

(continued from page 3)

vegetable shipments from Florida held steady or declined. Texas growers harvested onions, cucumbers, and carrots. Prolonged cool, wet weather in some parts of Texas delayed land preparation and vegetable planting. California producers harvested broccoli, cauliflower, carrots, sweet corn, lettuce, onions, and strawberries. Low temperatures retarded tomato growth.

temperatures and late spring rains in California helped grasslands rate excellent. Texas rangelands improved, although some northern areas needed rain. Some grasslands across the northern part of the Nation grew slowly because of the low temperatures. Cattle generally rated good as herdsmen moved stock to summer ranges. North Dakota producers reported increased losses because of scours.

PASTURES & LIVESTOCK: Grasslands generally rated good and improving throughout the Nation. Cool

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

POSTAGE AND FEES PAID
 U.S. DEPARTMENT OF COMMERCE



FIRST CLASS MAIL

COM 210

SEEDING PROGRESS

FOR WEEK ENDING MAY 13

	SOYBEANS		
	1979	1978	AVG.
ALA	21	12	21
ARK	5	9	15
GA	24	14	22
ILL	4	2	16
IND	5	0	10
IOWA	0	0	9
KANS	1/	1/	5
KY	5	3	8
LA	11	13	18
MICH	1/	10	1/
MINN	0	6	18
MISS	6	5	14
MO	2	4	15
NEBR	1/	1/	10
NC	23	8	19
OHIO	20	10	20
SC	18	11	17
TENN	1/	5	13
18 STATES	6	5	15

THESE 18 STATES PRODUCED 95% OF THE 197A SOYBEAN CROP.

	GRAIN SORGHUM		
	1979	1978	AVG.
COLO	NA	NA	NA
KANS	5	1/	10
MO	5	9	23
NEBR	1/	5	20
OKLA	1/	8	14
S DAK	1/	0	4
TEX	66	71	66
7 STATES	27	29	33

THESE 7 STATES PRODUCED 92% OF THE 197A GRAIN SORGHUM CROP.

	CORN		
	1979	1978	AVG.
COLO	48	61	66
GA	98	93	94
ILL	35	31	61
IND	35	15	45
IOWA	34	51	68
KANS	35	30	50
KY	38	33	60
MICH	25	60	35
MINN	4	38	54
MO	27	14	60
NEBR	25	35	50
NC	91	86	87
OHIO	60	35	55
PA	42	28	29
S DAK	2	8	27
VA	75	59	70
WISC	15	30	27
17 STATES	34	38	55

THESE 17 STATES PRODUCED 93% OF THE 197A CORN CROP.

	COTTON		
	1979	1978	AVG.
ALA	86	73	82
ARIZ	95	NA	NA
ARK	36	46	58
CALIF	99	90	NA
GA	94	73	86
LA	55	65	66
MISS	35	60	70
MO	26	68	63
N MEX	75	NA	NA
NC	94	40	77
OKLA	15	7	10
SC	97	72	86
TENN	30	58	64
TEX	29	34	40
14 STATES	45	47	48

THESE 14 STATES PRODUCED 99% OF THE 197A COTTON CROP.

	RICE		
	1979	1978	AVG.
ARK	54	75	78
CALIF	67	40	NA
LA	88	95	92
MISS	46	91	80
TEX	93	100	97
5 STATES	70	79	87

THESE 5 STATES PRODUCED 99% OF THE 197A RICE CROP.

	SPRING WHEAT		
	1979	1978	AVG.
IDAHO	80	75	75
MINN	13	80	69
MONT	15	50	65
N DAK	3	33	61
S DAK	69	66	88
5 STATES	20	50	76

THESE 5 STATES PRODUCED 95% OF THE 197A SPRING WHEAT CROP EXCLUDING DURUM.

NA NOT AVAILBLE
 1/ LESS THAN 5%