

WEEKLY WEATHER AND CROP BULLETIN

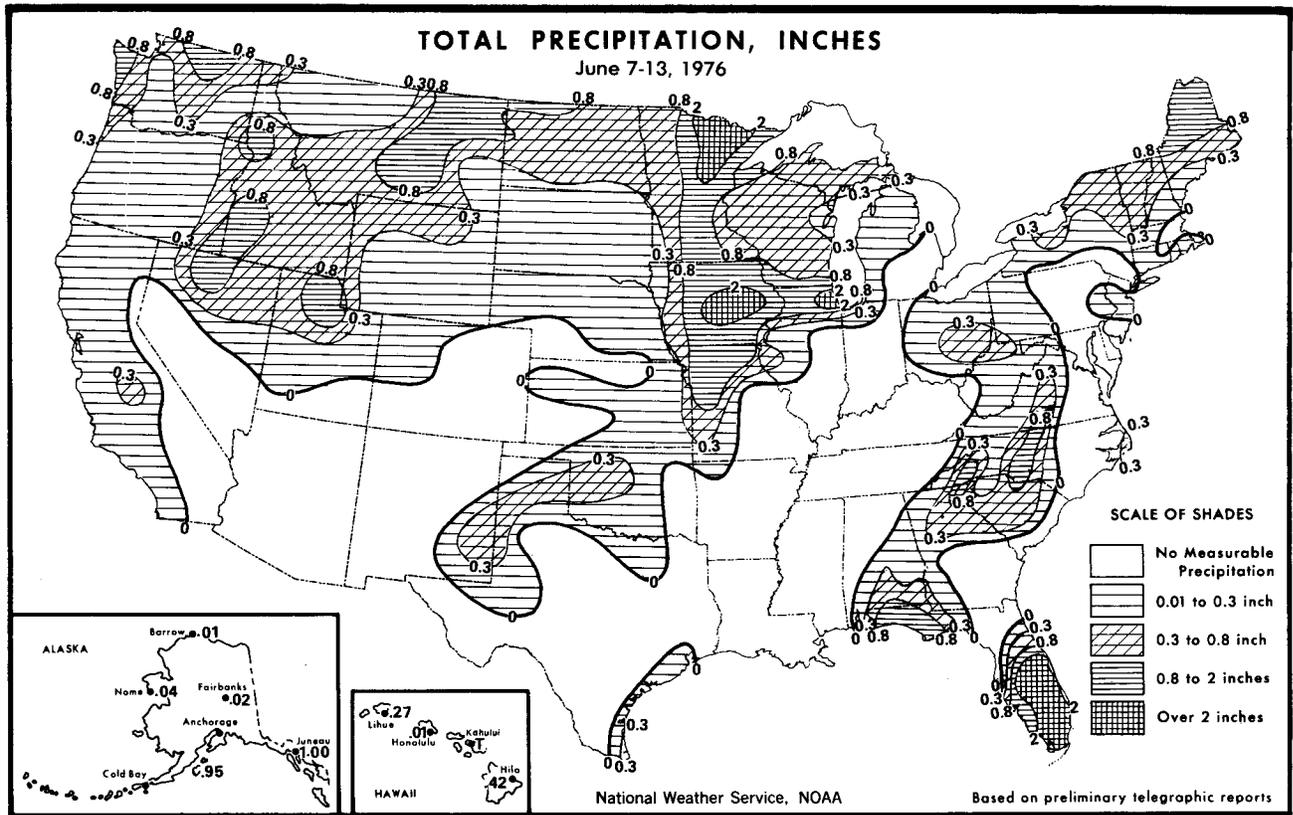
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National Weather Summary

For the week of June 7 - 13

HIGHLIGHTS: Seasonably warm weather that favored most of the Nation during the week pushed average temperatures nearly 15° above normal in the upper Mississippi Valley. On the cool side, chilly air in the Southeast and cold fronts in New England and the Pacific Northwest produced a number of record low readings. Midweek thunderstorms that developed in central U.S. produced widespread damaging hail and high winds. Hardest hit were the Dakotas, Minnesota, and Illinois. Parched forest areas of the upper Mississippi Valley benefited as storms moved eastward.

Unseasonably cool temperatures kicked off a chilly week in the Southeast, as the morning mercury stalled in the 50's over portions of States from Alabama through the Carolinas. Record lows on Monday singled out Macon, Ga. 52° and Columbia, S.C. 50°.

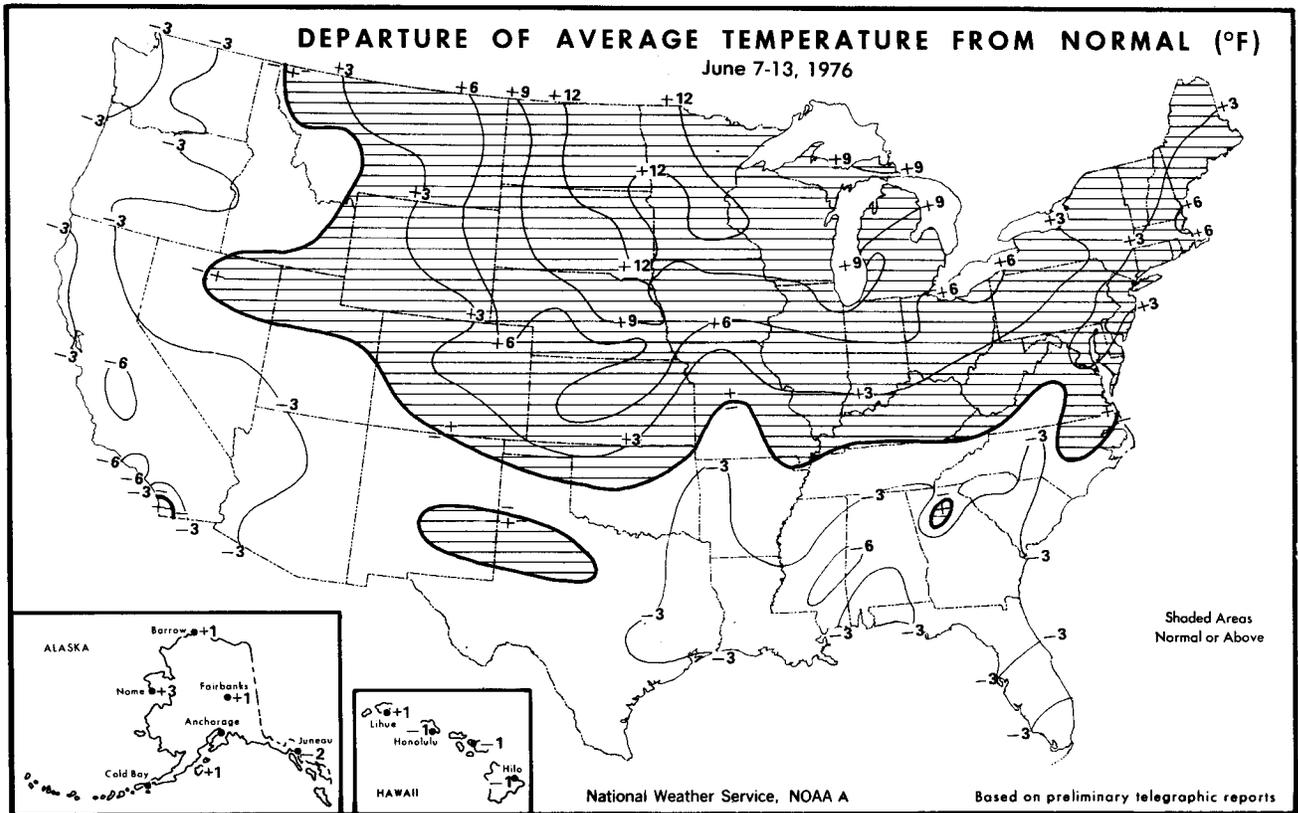
Outside a high pressure area that swept clouds

from much of the eastern half of the Nation, scattered showers and thundershowers ranged across southern Florida, the lower Rocky Mountain region, upper Mississippi Valley, and portions of the Pacific Northwest. The most intense storms thundered across sections of North Dakota and Minnesota, stopping as nightfall approached.

There were two sides to Tuesday's temperature story. In the Southeast cool daytime air produced more record low readings.

On the warm side, temperatures climbed into the 80's and 90's under sunny skies over much of the drought area extending from portions of Nebraska through South Dakota and Minnesota into Wisconsin. Warm readings in the 90's settled over New England and matched or shattered previous record highs in the Dakotas.

Tuesday's high pressure system spread a second day of fair weather across much of eastern and central U.S. On the outskirts of the area, showers



and thundershowers persisted over the Rockies and into the High Plains, as well as over parts of the Pacific Northwest, upper Great Lakes region, New England, and Florida.

Midweek conditions turned dry and windy in the Nation's midsection. A narrow band of showers and storms extending from Oklahoma into north central Kansas brought a little relief to the Plains. Thunderstorms that developed in the northern Plains moved eastward, giving hope to the dry forest areas of the upper Mississippi Valley.

Some of the slower moving storms, however, first churned up severe weather in the northern Plains. Forecasters tracked heavy rains and tornadoes plus hail across parts of the Dakotas and Minnesota.

Nighttime precipitation occurred as thunderstorms throughout the southern Atlantic Coast States and from Minnesota and Wisconsin into Colorado. In the Far West showers and isolated thundershowers turned up in Nevada, Idaho, and along sections of the Pacific Coast.

On Thursday Minnesota welcomed rains of $\frac{1}{2}$ to 1 inch that reduced the threat of forest fires in the area. Morning showers also spread across the middle Mississippi Valley into the upper Midwest.

Scattered severe weather across the Nation took shape as high winds and golf ball size hail in portions of Utah, Georgia, Vermont, Montana, and Nebraska. There were no reports of damage or injuries from these storms.

Unseasonably warm readings in the upper 80's and lower 90's were the rule throughout the Northeast, and thermometers in northern and central U.S. registered in the 90's and 100's. Pierre, S.D. and Garden City, Kans, both chalked up maximums of 105°.

Associated with the shower and thundershower activity in the Far West, nighttime air turned cool across the western third of the Nation.

High temperatures and low humidities on Friday concerned ranchers in the central Plains, as the livestock safety index hit the danger mark in South Dakota and portions of Iowa, Nebraska, and Kansas.

Meantime temperatures in the Northeast and New England were as much as 20° lower than readings on Thursday, thanks to a line of thunderstorms that developed along the eastern end of the Great Lakes region.

Daytime thunderstorms swept gusty winds across much of the northern Plains. Locally heavy rains soaked portions of Montana and five tornadoes skipped across the Dakotas.

Triggered by a cold front, strong winds and four tornadoes accompanied Saturday morning downpours in the eastern Dakotas. At sunrise, thunderstorms spread into Iowa and Minnesota.

During the day intense thunderstorms spawned damaging hail and forceful winds in the upper Midwest.

Near seasonable weekend weather favored the Nation, except northern New England and the Pacific Northwest where cold fronts fanned in cooler conditions. Record low readings in the Northeast listed Atlantic City, N.J. at 48° and Concord, N.H. at 35°.

Strong thunderstorms rounded out 2 consecutive days of severe weather in parts of Illinois, Wisconsin, and Minnesota. One Illinois twister killed 2 and injured 14 in a suburb of Chicago, where 3 inches of precipitation in 1 hour made the news as the heaviest 1-hour rainfall on record.

National Agricultural Summary

For the week of June 7 - 13

HIGHLIGHTS: Soil moisture was short in the North Central States, although rainfall temporarily relieved dryness in northern Minnesota. Winter wheat harvest was active but lagged last year and average. Near normal temperatures and no rain improved the cotton crop. Corn was in good condition and growing fast, in response to above normal temperatures in the North Central States. Soybean planting neared completion. Grazing was poor in many of the North Central States, some of the Mountain States, and California.

SMALL GRAINS: Small grain harvest gained momentum under clear skies in the South Central and South Atlantic States. In Texas harvest was underway in dryland stands on the High and Low Plains, and statewide reached 23% complete. At this time last year Texas registered 37% combined; average is 38%. In Oklahoma wheat harvest was active in the southwest region. Throughout Oklahoma harvest was 16% complete, well ahead of 9% last year when rains slowed combining, but far behind 36% average. Weeds caused some harvesting problems. In Kansas wheat developed slightly behind normal; 55% of the crop was turning color, compared to 50% in 1975 and 60% average. Harvest should begin shortly in southeast and south central areas of Kansas where a few fields are ripe. In Nebraska winter wheat condition was fair to good and 95% of the crop was headed.

CORN: The Nation's corn crop was in generally good condition. In the extreme South the crop was well advanced. In Florida, corn was in full tassel and in Alabama, was 18% tasselled. In Mississippi 13% of the corn reached the silk stage. In the North Central States corn plants averaged 15 inches high in Illinois but measured only 5 inches tall in Michigan. In most other States, including Ohio, Indiana, and Minnesota, plant height averaged 10 to 12 inches. Nationwide, plant growth lagged last year's rate but still outpaced average growth.

In Illinois the crop was in good condition with the tallest corn 22 inches, compared with 27 inches in 1975 and 18 inches average. In Iowa warm weather favored rapid corn growth; plants shot up hip high in some places. Weed control was good, thanks to excellent cultivating weather. Corn condition was good to excellent and withstood the stress of dry soils in the northwest and west central portions of Iowa fairly well. In Minnesota, 74% of the crop had been cultivated one time, compared with 45% in 1975 and 47% average. Nebraska's corn was completely emerged.

COTTON: Condition of the U. S. cotton crop was generally fair and beginning to improve. However, the crop remained in poor condition in Alabama and Mississippi. In Georgia 22% of the crop was squared, compared with 33% last year. In Mississippi 3% was squared, 5% last year and 13% average. Farmers in Arkansas and Tennessee replanted some of their poorest cotton stands to soybeans. In Texas planting rapidly neared completion on the High and Low Plains. Rain and damaging hail caused some replanting in parts of the State. Stands were fruiting well in the Lower Rio Grande Valley and Coastal Bend region. At 80% in the ground, cotton planting made good progress in Oklahoma where plant emergence stood at 40%, behind the

50% average. In California cool temperatures slowed cotton growth.

SOYBEANS: The soybean crop was 89% planted nationwide, compared with 84% in 1975 and 76% average. In the eastern North Central States, planting hit 98% complete, 95% in 1975 and 72% average. Planting in the western North Central States reached 95% complete, 92% last year and 89% average. In the South Central States 79% of the crop was in the ground, compared with 67% a year ago and average. Condition of Illinois soybeans was good. Stands in Indiana were fair to good with the crop averaging 3 inches high, 5 inches in 1975 and 2 inches normally. In Iowa soybeans--in good to excellent condition--emerged to 92% of a full stand. Farmers replanted some poor stands which resulted from uneven germination in dry areas.

OTHER CROPS: Sorghum planting in the seven major States advanced to 84% complete, just ahead of 80% in 1975 and 81% average. Texas farmers replanted stands lost to heavy rains and hail on the High and Low Plains. In southern areas of the State stands headed and neared maturity.

Peanut planting reached 52% complete in Texas, behind 63% a year earlier and 62% average. Early stands made excellent growth. The Oklahoma peanut crop was 85% planted, compared to 70% average, and ranged from fair to good condition. In Georgia peanuts improved with most of the crop in good condition. About 34% of Georgia's crop was in bloom, compared to 57% in 1975.

Potato planting in Maine neared completion. The Idaho potato crop was 75% emerged, compared with 40% in 1975.

Rice was up to a 95% stand in Mississippi and made good growth in Arkansas. In Louisiana the rice was clean and some early seedings were heading.

FRUITS AND NUTS: Peach harvest was 37% complete in Georgia compared with 39% a year ago and 23% average. In South Carolina harvest was 17% complete compared with 11% in 1975 and 9% average. Picking continued in North Carolina, Mississippi, Arkansas, Texas, and California. Citrus groves in Florida were in excellent condition and showing healthy foliage and new growth. Valencia orange picking was active in Florida, Arizona, and California. Grapefruit picking continued in Arizona.

VEGETABLES: Florida vegetable shipments decreased 8% as more crop harvests were completed; watermelon shipments increased sharply. Steady supplies of a variety of vegetables moved from Texas, and included cucumbers, okra, sweet corn, melons, onions, cabbage, and potatoes; tomato movement was light. Cool weather slowed California's vegetable growth and reduced harvest volume of sweet corn, carrots, tomatoes, melons, broccoli, cauliflower, and lettuce.

PASTURE AND LIVESTOCK: Pastures were short in many of the North Central States, where dry conditions slowed growth. Grazing lands were also poor in several Mountain States and California. Livestock were in good condition but marketings increased in the driest areas, especially South Dakota and California. Cattle losses were severe in the flood-stricken Idaho area.

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

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	73	-4	0	- .9	La. Baton Rouge . . .	76	- 4	0	- .8	Youngstown . . .	72	+ 6	T	- .8
Mobile . . .	79	-1	0	-1.3	Lake Charles . . .	76	- 4	0	-1.1	OKLA. Okla. City . .	76	0	.3	- .8
Montgomery . . .	75	-3	.1	- .8	New Orleans . . .	76	- 4	0	-1.0	Tulsa . . .	78	+ 2	0	-1.1
ALASKA. Anchorage . .	-	-	-	-	Shreveport . . .	74	- 5	0	- .8	OREG. Astoria . . .	55	- 1	.3	- .3
Barrow . . .	32	+1	T	- .1	MAINE. Caribou . . .	60	+ 2	1.6	+ .8	Burns . . .	54	- 3	.2	- .1
Fairbanks . . .	59	+1	T	- .3	Portland . . .	66	+ 5	.1	- .7	Medford . . .	60	- 3	T	- .2
Juneau . . .	50	-2	1.0	+ .4	MD. Baltimore . . .	75	+ 4	T	- .8	Pendleton . . .	64	0	.1	- .2
Kodiak . . .	50	+1	1.0	0	MASS. Boston . . .	74	+ 7	T	- .8	Portland . . .	57	- 4	.1	- .3
Nome . . .	47	+3	T	- .2	Chatham . . .	62	- 0	0	-	Salem . . .	55	- 5	.1	- .3
ARIZ. Flagstaff . . .	53	-4	0	- .1	MICH. Alpena . . .	71	+11	T	- .7	PA. Allentown . . .	73	+ 5	.2	- .6
Phoenix . . .	81	-2	0	0	Detroit . . .	75	+ 8	T	- .8	Erie . . .	69	+ 6	T	- .8
Tucson . . .	79	-2	0	0	Flint . . .	73	+ 8	0	- .8	Harrisburg . . .	73	+ 2	0	- .7
Winslow . . .	68	-2	0	0	Grand Rapids . . .	75	+ 9	0	- .8	Philadelphia . . .	74	+ 3	0	- .8
Yuma . . .	80	-4	0	0	Houghton Lake . . .	71	+ 9	.1	- .7	Pittsburgh . . .	72	+ 4	.1	- .7
ARK. Fort Smith . . .	73	-4	0	-1.0	Lansing . . .	74	+ 8	0	- .8	Scranton . . .	69	+ 2	T	- .8
Little Rock . . .	75	-2	0	- .8	Marquette . . .	68	+10	.5	- .3	R. I. Providence . . .	70	+ 5	.1	- .5
CALIF. Bakersfield . .	70	-5	T	0	Muskegon . . .	72	+ 8	T	- .6	S. C. Charleston . . .	75	- 2	0	-1.4
Eureka . . .	54	-1	.1	- .1	S. Ste. Marie . . .	64	+ 7	.4	- .4	Columbia . . .	74	- 4	.7	- .1
Fresno . . .	65	-7	.4	+ .4	MINN. Duluth . . .	67	+10	1.6	+ .5	Greenville . . .	72	- 3	T	- .9
Los Angeles . . .	60	-7	.2	+ .2	Internatl Falls . . .	69	+10	3.3	+2.4	S. D. Aberdeen . . .	77	+13	.1	- .8
Red Bluff . . .	69	-5	T	- .1	Minneapolis . . .	80	+14	.5	- .4	Huron . . .	77	+11	.1	- .8
San Diego . . .	66	+1	T	0	Rochester . . .	76	+11	.4	- .7	Rapid City . . .	70	+ 8	.2	- .7
San Francisco . . .	58	-3	T	- .1	St. Cloud . . .	75	+12	1.8	+ .7	Sioux Falls . . .	79	+13	.1	-1.0
Stockton . . .	66	-5	T	0	MISS. Jackson . . .	76	- 3	0	- .8	TENN. Chattanooga . .	72	- 3	0	- .8
COLO. Denver . . .	69	+5	T	- .5	Meridian . . .	72	- 7	0	- .8	Knoxville . . .	74	- 1	0	- .8
Grand Junction . . .	70	0	T	- .1	MO. Columbia . . .	72	0	0	-1.1	Memphis . . .	78	0	0	- .8
Pueblo . . .	71	+2	T	- .3	Kansas City . . .	75	+ 2	.9	- .4	Nashville . . .	74	- 2	0	- .8
CONN. Bridgeport . . .	69	+3	T	- .6	St. Louis . . .	77	+ 3	0	-1.1	TEX. Abilene . . .	80	+ 1	T	- .7
Hartford . . .	71	+5	0	- .8	Springfield . . .	72	- 1	T	-1.1	Amarillo . . .	71	- 3	.5	- .3
D. C. Washington . . .	78	+4	0	- .8	MONT. Billings . . .	63	+ 2	1.4	+ .7	Austin . . .	78	- 3	0	- .8
FLA. Apalachicola . .	77	-3	1.3	+ .2	Glasgow . . .	66	+ 6	1.5	+ .8	Beaumont . . .	77	- 3	0	-1.1
Daytona Beach . . .	76	-3	.4	-1.1	Great Falls . . .	63	+ 4	.2	- .6	Brownsville . . .	80	- 2	.4	- .3
Ft. Myers . . .	78	-3	1.5	- .5	Havre . . .	65	+ 4	.2	- .4	Corpus Christi . . .	81	- 1	.2	- .5
Jacksonville . . .	75	-4	T	-1.4	Helena . . .	55	- 2	.4	- .2	Dallas . . .	-	-	-	-
Key West . . .	80	-3	2.6	+1.6	Kalispell . . .	57	+ 1	.1	- .5	Del Rio . . .	82	- 2	T	- .5
Lakeland . . .	78	-2	3.4	+1.9	Miles City . . .	69	+ 6	.3	- .5	El Paso . . .	78	- 2	0	- .1
Miami . . .	77	-4	4.3	+2.2	Missoula . . .	57	0	.2	- .4	Fort Worth . . .	78	- 2	.2	- .6
Orlando . . .	79	-1	3.0	+1.5	NEBR. Grand Island .	78	+ 9	.1	-1.0	Galveston . . .	79	- 2	0	- .9
Tallahassee . . .	77	-3	1.1	-1.3	Lincoln . . .	77	+ 6	T	-1.2	Houston . . .	77	- 4	T	-1.1
Tampa . . .	78	-3	T	-1.4	Norfolk . . .	78	+10	T	-1.2	Lubbock . . .	78	+ 2	T	- .7
W. Palm Beach . . .	77	-3	1.0	- .9	N. Platte . . .	70	+ 4	T	- .9	Midland . . .	78	- 1	.2	- .2
GA. Atlanta . . .	77	+2	.6	- .2	Omaha . . .	78	+ 9	.5	- .7	San Angelo . . .	80	- 1	0	- .5
Augusta . . .	74	-4	.4	- .4	Valentine . . .	75	+10	T	- .9	San Antonio . . .	79	- 2	T	- .7
Macon . . .	75	-4	0	- .9	NEV. Ely . . .	54	- 2	.2	0	Victoria . . .	79	- 2	T	- .8
Savannah . . .	75	-3	0	-1.3	Las Vegas . . .	76	- 5	0	0	Waco . . .	80	- 1	0	- .7
HAWAII. Hilo . . .	73	-1	.4	-1.1	Reno . . .	57	- 3	T	- .1	Wichita Falls . . .	79	- 1	0	- .9
Honolulu . . .	78	-1	T	- .1	Winemucca . . .	60	0	1.0	+ .7	UTAH. Blanding . . .	63	- 1	0	- .1
Kahului . . .	76	-1	T	- .1	N. H. Concord . . .	66	+ 3	.1	- .7	Salt Lake City . . .	66	+ 2	1.3	+ .9
Lihue . . .	78	+1	.3	- .1	N. J. Atlantic City .	69	0	0	- .8	VT. Burlington . . .	66	+ 2	.7	- .1
IDAHO. Boise . . .	60	-3	1.6	+1.3	Trenton . . .	73	+ 3	T	- .7	VA. Lynchburg . . .	70	- 2	.8	0
Lewiston . . .	62	-1	.9	+ .4	N. MEX. Albuquerque .	72	- 1	T	- .1	Norfolk . . .	74	+ 1	0	- .8
Pocatello . . .	60	0	.4	0	Roswell . . .	78	+ 2	.3	0	Richmond . . .	74	+ 1	T	- .8
ILL. Cairo . . .	78	+1	0	-1.1	N. Y. Albany . . .	68	+ 2	.3	- .4	Roanoke . . .	71	0	T	- .8
Chicago . . .	79	+10	4.6	+3.7	Binghamton . . .	67	+ 3	0	- .8	WASH. Colville . . .	58	- 2	.5	+ .1
Moline . . .	76	+6	.8	- .2	Buffalo . . .	69	+ 5	.2	- .3	Omak . . .	60	- 3	.9	+ .5
Peoria . . .	75	+5	0	- .9	New York . . .	75	+ 5	T	- .6	Quillayute . . .	52	- 2	.8	0
Rockford . . .	75	+7	1.3	+ .3	Rochester . . .	71	+ 5	.4	- .2	Seattle-Tacoma . . .	57	- 2	.2	- .2
Springfield . . .	77	+5	T	-1.0	Syracuse . . .	67	+ 1	.1	- .6	Spokane . . .	58	- 2	.3	- .1
IND. Evansville . . .	76	+2	0	- .8	N. C. Asheville . . .	68	- 2	.9	0	Walla Walla . . .	62	- 3	.2	- .1
Ft. Wayne . . .	76	+8	0	- .9	Charlotte . . .	73	- 2	.8	0	Yakima . . .	60	- 3	.5	+ .3
Indianapolis . . .	76	+5	0	-1.0	Greensboro . . .	71	- 3	1.2	+ .3	W. Va. Beckley . . .	68	+ 2	.1	- .9
South Bend . . .	77	+9	T	- .8	Hatteras . . .	72	- 1	.3	- .8	Charleston . . .	73	+ 2	T	- .7
IOWA. Burlington . . .	76	+6	.3	- .8	Raleigh . . .	75	+ 1	T	- .8	Huntington . . .	73	+ 1	0	- .8
Des Moines . . .	76	+7	3.7	+2.5	Wilmington . . .	75	- 2	0	-1.2	Parkersburg . . .	73	+ 2	.5	- .4
Dubuque . . .	73	+7	.8	- .5	N. DAK. Bismarck . .	74	+12	.7	- .2	WIS. Green Bay . . .	73	+10	.1	- .7
Sioux City . . .	77	+8	T	-1.1	Fargo . . .	75	+12	.6	- .2	La Crosse . . .	78	+11	.7	- .4
KANS. Concordia . . .	78	+7	T	-1.2	Williston . . .	67	+ 6	.9	+ .1	Madison . . .	76	+11	.5	- .5
Dodge City . . .	78	+6	0	- .8	OHIO. Akron-Canton .	73	+ 6	T	- .8	Milwaukee . . .	75	+12	.4	- .4
Goodland . . .	73	+5	.1	- .6	Cincinnati . . .	75	+ 4	T	- .9	WYO. Casper . . .	64	+ 4	.2	- .2
Topeka . . .	78	+6	.1	-1.3	Cleveland . . .	73	+ 6	.1	- .7	Cheyenne . . .	62	+ 2	T	- .6
Wichita . . .	78	+3	T	-1.0	Columbus . . .	74	+ 5	.4	- .6	Lander . . .	61	+ 2	.1	- .4
KY. Lexington . . .	74	+2	0	-1.0	Dayton . . .	74	+ 4	.2	- .7	Sheridan . . .	64	+ 5	.3	- .5
Louisville . . .	75	+3	0	-1.0	Toledo . . .	73	+ 5	.2	- .6	P. R. San Juan . . .	82	+ 2	.1	-1.2

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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 SRS State offices in cooperation with the National Weather Service, NOAA.

ALABAMA: Dry. Cool early, hot later. Light showers over eastern half. High's in 90's. Fieldwork: 5 days suitable. Soil moisture adequate. Cotton poor to fair condition, improved by rising temperatures. Corn good condition 18% tasseled, 15% 1974, 13% average. Soybean planting 73% complete, 87% 1975, 80% average. Wheat harvest 43% complete, 73% 1975, 51% average. Pastures good condition.

ALASKA: Tanana Valley sunny and warm first and last of week with cloudy cooler weather midweek. Maximum temperatures below normal while minimums were above. Middle valley rainfall above normal while eastern and western ends had below normal precipitation. Matanuska Valley cloudy mild weather through most of week with above normal rainfall during first half. Week's end warm and sunny with scattered showers in afternoon. Temperatures near normal. Kenai Peninsula--rain at beginning of week raised precipitation totals above seasonal normal. Temperatures cooler than normal except 13th. Kodiak had rain first of week and showers at week's end but rainfall below normal. Fair weather latter half of period. Maximum temperatures above normal.

Crop growth moderate throughout Railbelt area. Crop condition generally average. Soil moisture adequate except topsoil moisture in short supply in scattered areas. Light winter freeze damage in Matanuska especially to timothy.

ARIZONA: Dry weather except few showers western mountains, northwest. Temperatures 4° below normal.

Cotton cultivation, irrigation, weed and insect control active. Late cotton being planted following wheat. Harvest wheat, barley full swing. Grain sorghum being planted, established fields doing well. Harvest sugarbeets progressing, good yields. Alfalfa hay harvest normal progress, heavy demand. Lettuce harvest completed. Potato, dry onion, cantaloup harvest full swing. Watermelons normal progress. Grape harvest underway. Harvest valencias, grapefruit active. Condition cattle, calves good. Range grasses normal supply. Water supplies adequate. Cattle shipments moderate.

ARKANSAS: Temperatures below normal. Extremes: 95 and 51°. Precipitation none to 0.69 in.

Soybean planting 76% complete, 74% last year, average 59%. Cotton beginning to grow out of stressed condition with help of warm weather. Fields with poor stands plowed up, replanted soybeans. Rice seeding complete. Good growth during week. Corn and sorghum making good growth. Wheat harvest 35% complete, 33% a year ago, average 40%. Yields good. Oat harvest 44% complete, 62% last year, average 59%. Peach harvest continued. Tomatoes good condition. Hay yields improving.

CALIFORNIA: Cold, winter-like upper air disturbance along the coast intensified and moved inland about midweek. Average temperatures below seasonal normals for second week in row. Extreme northeast portion some freezing or lower temperatures. Precipitation generally light but few locations about 0.25 to 0.33 in. Some snow at higher Sierra Nevada elevations. Only deserts and extreme east reported no rain.

Scattered, light showers slowed hay and small grain harvest. Small grain harvest active. Land being prepared for second crop. Cotton growth slowed by cool weather. Sugarbeets, alfalfa, corn, dry beans, and safflower doing well. Cherry harvest virtually complete. Apples being thinned. Pear development good. Dampness causing avocado fruit drop. Apricot harvest past peak early areas, picking beginning in other areas. Peach harvest continues southern San Joaquin Valley. Valencia orange harvest continues. Cool weather slowed vegetable growth and lightened harvest. Early planted and early variety crops harvested include sweet corn, carrots, tomatoes, cantaloups, watermelons, broccoli, cauliflower, and lettuce. Range conditions severe. Weight feeder calves down. Herds thinned, feedlots increasing inventories. Cattle moved higher locations.

COLORADO: Warm and dry west and northeast. Warm with scattered showers, excess 1.00 in. southeast. Cooler 11th, snow northern mountains 13th. Temperatures above normal.

Wheat 93% headed, 92% 1975, 87% average. Sugarbeets 51% thinned. Sorghum seeded 85%, 1975 69%, 76% average; emerged 63%, 33% 1975, 47% average. Dry beans planted 73%, 66% 1975, 25% average. Summer potatoes emerged 98%, fall 59%. Alfalfa first cut 27%. Soil moisture short. Ranges and pastures very poor southeast, fair to good elsewhere.

FLORIDA: Variable cloudiness. Temperatures slightly below normal. Light rainfall north with amounts of 0.25 in. or less. Rainfall near normal central averaging 1.00 to 2.00 in. Mostly cloudy south with rainfall in excess of 4.00 in.

Soil moisture adequate, except excessive along middle of east coast. Soybean planting more than 50% complete Panhandle, nearly complete all other areas. Corn good condition, early corn full tassel. Peanuts good condition. Light harvest for the boiling trade. Tobacco harvest active. Sugarcane rapid growth. Frequent rains very beneficial to increase pasture production. Overall pasture condition good. Cattle; calves generally good to excellent condition. Citrus grove condition excellent; foliage healthy, new growth, new fruit progressing very well. Valencia harvest still active. Vegetable harvest continuing seasonal decline. More crops completing harvest. Overall vegetable and watermelon shipments decreased 8%. Watermelon shipments increased sharply. Corn, eggplant, peppers held steady. Shipments declined all other vegetables. Bulk of remaining supplies coming from central and northern areas.

GEORGIA: Very cool early in period, then slow warming trend. Temperatures 7 to 10° below normal. Scattered showers mainly on 10th, otherwise dry. Amounts variable, mostly less than 0.25 in. Many sections reported no rain. Much warmer and hazy 12th and 13th with only isolated showers.

Soil moisture short to mostly adequate. Fieldwork: 5.0 days suitable. Warm weather helping most crops. Corn condition fair to mostly good. Cotton mostly fair to good condition, 22% squaring, 33% year ago. Peanuts fair to mostly

good, 34% blooming, 57% year ago. Soybeans good, 75% planted, 80% year ago, 75% average. Tobacco mostly fair to good condition, 9% harvested compared last year 6% and 7% average. Watermelons mostly fair to good condition. Peach condition good, harvesting 37% complete, 39% year ago, 23% average. Wheat 67% harvested, 74% last year, average 61%. Oats 73% harvested, 72% last year, average 63%. Pastures, cattle and hogs good condition.

HAWAII: Weather favorable. Showers beneficial some windward sections of Hawaii and Oahu. Most sections experiencing dry weather.

Irrigation and spraying frequent to maintain fair to good crop growth. Vegetable supplies moderate to heavy. Banana supplies light. Papayas and pineapple harvesting increasing. Sugar steady. Pastures Lee areas getting dry.

IDAHO: Temperatures slightly above normal Magic and Upper Snake River Valleys and near normal elsewhere. No precipitation occurred until 8th north and 9th or 10th south. Heavy rains southwest valleys 11th with 1.53 in. at Boise, the maxima. North areas averaged less than 0.60 in. while Upper Snake was 0.25 in. or less.

Flooding east halted farm activity. Extensive damage homes, buildings, crop lands and livestock. Additionally many more thousands acres threatened due to damaged irrigation facilities. Crops elsewhere excellent progress. Spring wheat 95% emerged, 80% 1975. Potato crop 75% emerged, 40% 1975. Ranges and pastures excellent condition. Severe losses livestock east due to flooding.

ILLINOIS: Temperatures 1 to 6° above normal. No precipitation south, up to 6.00 in. 13th northern portions, localized flooding Chicago.

Corn 6% excellent, 76% good, 18% fair; average height 15.0 in. to 16.0 in. 1975, 9.0 in. average; most advanced height 22.0 in., 27.0 in. 1975, 18.0 in. average. Soybean planting virtually complete, 98% 1975, 68% average; 3% excellent, 76% good, 20% fair, 1% poor. Winter wheat 5% excellent, 49% good, 36% fair, 10% poor; 85% turning yellow, 75% 1975, 73% average; 25% ripe, 10% 1975, 8% average. Oats mostly fair to good; 70% headed, 58% 1975, 60% average; 35% filled, 24% 1975, 25% average. Hay crops mostly good. Alfalfa 32% cut, 72% 1975, 52% average. Red clover 75% cut, 65% 1975, 47% average. Grain sorghum 85% planted. Pastures mostly fair to good. Soil moisture 69% short, 27% adequate, 4% surplus. Fieldwork: 6.50 days suitable.

INDIANA: Dry and warm. No rainfall except along Wabash River. High temperatures averaged in high 80's, 6° above normal. Humidities low.

Fieldwork averaged 7 days. Topsoil moisture mostly short to adequate. Subsoil moisture short to adequate. Soybeans 95% planted, 1975 90%, average 70%. Soybeans 85% emerged. Stands fair to good. Soybeans 3 in. high, 1975 5 in., average 2 in. Corn 11 in. high, 1975 same, average 6 in. Corn stands fair to mostly good. Sorghum 85% planted, 1975 80%. Sorghum 4 in. high. Wheat 55% beginning to ripen, 5% ripe, few fields combined. Wheat condition fair. Oats 65% headed, 1975 55%, average 25%. Alfalfa hay 80% cut first time. Clover 55% cut. Tobacco 75% set. Pastures poor to mostly fair.

IOWA: Temperatures 6 to 11° above normal. Precipitation 1.00 to 2.00 in. above normal south half, 0.50 to 1.00 in. below normal north half.

Hot temperatures, timely rains produced favorable weather. Crop stands, condition mostly good. Crops ahead of normal. Warm weather helped corn grow rapidly, near hip high in places. Corn stands 95% of full. Weed control mostly good. Excellent weather for cultivating. Corn condition good to excellent, standing stress well northwest, west central, will need moisture soon. Some cutworm activity, damage light. Soybean planting complete, nearly all emerged. Soybean stand 92% of full, spotty in dry areas. Some replanting due to poor stands. Soybean condition good to excellent. Oat condition good, maturing rapidly 63% headed, 26% last year, 28% average. Oats heading out short in dry northwest and west central. First cutting alfalfa 71% harvested, 53% last year, 42% average. Hay quality, yield variable. Soil moisture decreased. Topsoil 46% short, 54% adequate. Subsoil 23% short, 77% adequate. Livestock good, pasture short in dry areas. Livestock movement out of feedlots slow. Some heat stress in hogs, but no problems.

KANSAS: Scattered showers and thunderstorms through weekend produced local amounts 0.50 in. to 1.00 in. Most stations reported less than 0.50 in.; many none at all. Temperatures 76 to 79° or from 2° above normal southeast, to 5 to 8° above normal elsewhere.

Wheat development slightly behind normal, 55% turning, 50% last year, 60% average. Few fields ripe southeast and south central. Harvest expected to start this week. Corn 100% planted, same as last year, 95% average. Sorghum 65% planted, 55% last year, 60% average. Soybeans 70% planted, 55% last year, 60% average. Alfalfa first cutting 85% complete, same as last year, 90% average. Second cutting 5% complete, same as last year and average. Weeds causing problems in western wheat fields. Barley yellow dwarf virus, "Take-all" root rot in wheat. Streak mosaic in wheat central area.

KENTUCKY: Temperatures a little above normal with only precipitation occurring at end of week in east where isolated thundershowers produced less than 0.10 in. of rainfall.

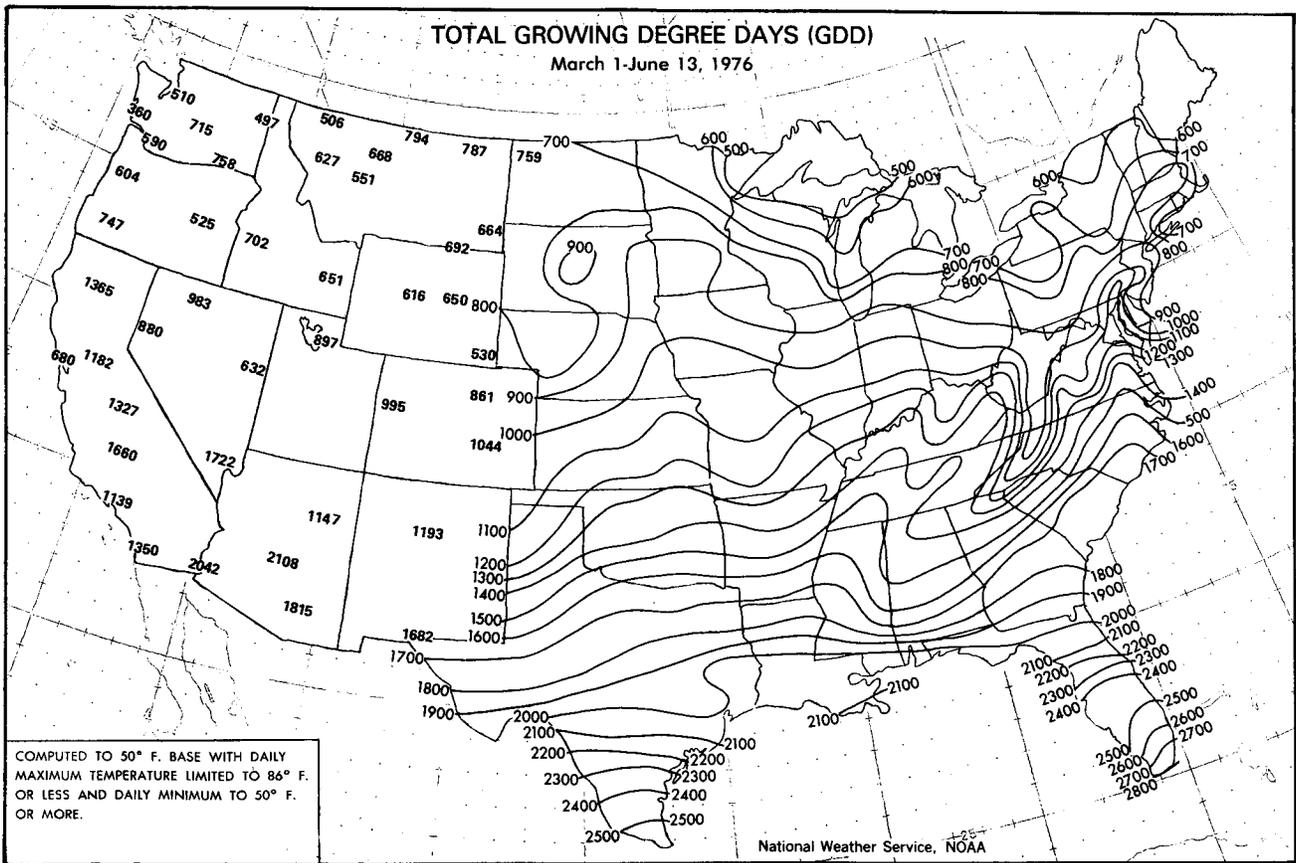
Fieldwork: 5 days suitable. Setting and cultivating tobacco, planting corn and soybeans, making hay and mowing pastures. Soil moisture 64% adequate, 30% short and 6% surplus. Soybeans 58% planted, 65% last year and 57% average. Corn and soybeans in good to excellent condition with average height of corn 15.0 inches and soybeans 4.0 inches compared with 17.0 inches and 5.0 inches last year and 11.0 inches and 4.0 inches average. Burley tobacco setting made excellent progress with 85% in fields, 84% last year and 73% average. Dark types are 80% set. Small grain harvest accelerated with 22% of barley and 3% of wheat harvested, 35% and 5% last year and 33% and 3% average.

LOUISIANA: Temperatures 2 to 4° below normal. Extremes: 94 and 54°. No rain.

Soil moisture adequate. Fieldwork active. Cotton 97% up to stand; improved growth. Soybeans 85% planted, 55% last year, 75% average; 77% up to stand. Rice clean; some early rice heading. Corn good; 44% silked. Sugarcane good; excellent stands. Sweetpotato transplanting 77% complete, same last year. Wheat, oats harvest over 90% complete. Pastures good.

MARYLAND & DELAWARE: Temperatures near normal. Extremes: mid 90's, upper 30's. Precipitation light, heaviest amount 0.57 in. in western Maryland. Rain needed most areas.

Corn planting complete. Growth good. Soybeans



70% planted, 68% 1975, 66% average. Barley nearly all turned, harvest underway. First cutting alfalfa nearly complete, second starting. Good quality hay made. Harvest of other hay 67% complete. Vegetable crops in good condition. Green pea harvest complete and asparagus active. Tobacco 80% planted, needs rain. Peach thinning underway.

MICHIGAN: Temperatures above normal. Precipitation minimal.

Good haying weather but crops need more moisture. Farmers busy combating insects. Soil moisture short. Fieldwork: 6 days suitable. Corn planting virtually complete but some fields replanted due to poor germination on badly crusted soils. Corn height 5.0 inches, 7.0 inches 1975, normal 6.0 inches. Wheat 80% headed, 73% last year, 74% normal. Oats developed slowly, only 2% headed. Dry beans 45% planted, 34% 1975, 40% normal. Need rain to plant navy beans. Soybeans 80% planted, equal to 1975, normal 75%. Potatoes 90% planted, 95% last year, 91% normal. Hay 30% first cut, 15% 1975 and normal. Asparagus 80% picked, strawberries 20%.

MINNESOTA: Temperatures 12° above normal. Extremes: 100 and 40°. Measurable precipitation first time since mid-April. Precipitation above normal most of northeast. Average near 2.00 inches northeast third, near 0.50 in. southwest third. West half of west central and southwest averaged 0.20 in. Seasonal precipitation departure 3.00 to 5.00 inches below normal. Less than 2.00 inches below normal portions of north central and extreme southeast only.

Rains aided row crop growth, filling small grain kernels. Crops still under great moisture stress. Small grain stands very short. Thin west central.

Yields reduced all areas. Most grains headed southern half. Height: Corn 10.0 inches, 1975 4.0 inches, normal 6.0 inches; soybeans 5.0 inches, 1975 3.0 inches, normal 3.0 inches. Corn 74% cultivated once, 1975 45%, normal 47%. Heading: Spring wheat 33%, 1975 0%, normal 3%; Oats 36%, 1975 1%, normal 3%; Barley 31%, 1975 0%, normal 5%. Alfalfa hay 55% cut, 1975 29%, normal 31%. Yields poor, quality poor to good.

MISSISSIPPI: Temperatures 5 to 7° below normal. Extremes: 93 and 48°.

Soil moisture mostly adequate. Fieldwork: 5.8 days suitable. Cotton 97% up to stand, 94% 1975; 3% squaring, 5% 1975, 13% average. Soybeans 84% planted, 56% 1975, 68% average; 65% up to stand, 42% 1975. Rice 95% up to stand. Corn 96% up to stand, 87% 1975; 13% silked. Winter wheat 60% harvested, 52% 1975, 55% average. Oats 58% harvested, 46% 1975, 58% average. Sorghums 78% planted, 63% 1975, 69% average. Sweetpotatoes 73% planted, 76% 1975, 70% average. Hay 34% harvested, 20% 1975, 28% average. Irish potatoes 42% harvested, 32% 1975, 38% average. Peaches 18% harvested, 13% 1975, 12% average. Cucumbers 9% harvested, 13% 1975. Cotton in poor condition. Other crops in fair to good condition.

MISSOURI: Precipitation light south and central portion, 0.67 in. in northwest, 0.32 in. northeast. Temperatures slightly above normal north. Bootheel 2° below normal. Fieldwork: 5.5 days suitable. Soybean planting 87% complete, 1975 83%, normal 69%. Grain sorghum planting 84% complete, 1975 84%, normal 74%. Wheat 92% turning color, 30% ripened. First alfalfa cutting 89% harvested, 1975 87%, normal 81%. Condition of corn fair to good. Condition of cotton in the Bootheel fair to good. Condition of wheat poor

to fair. Soil moisture deteriorated with 45% short, 55% adequate.

MONTANA: Warm with considerable cooling by week's end. Temperatures 6° above normal north central and east, near normal elsewhere. Showers and thunderstorms with gusty winds and damaging hail throughout week. As much as 6 inches rain fell in parts of northeast. Wet snow fell over higher elevations 13th.

Grain crops making good growth. Soil moisture improved many localities. Some dry areas persist and grasshoppers hatching. Winter wheat in good condition, spring wheat fair to good. About 40% winter wheat headed, 45% in boot, 15% not yet in boot. Last year none headed, 30% in boot. Normal 20% headed, 50% in boot. Hay harvest starting, 5% complete. Alfalfa weevil damage none to moderate. Range grass growth average, except slow northern areas.

NEBRASKA: Temperatures 4 to 10° above normal except 13th. Rainfall very spotty.

Topsoil moisture supplies 91% short and 9% adequate. Subsoil moisture supplies 74% short and 26% adequate. Winter wheat condition poor 4%, fair 52% and good 44%. Wheat 95% headed. Corn emergence complete. Sorghum and soybean planting complete. Sorghum 1975 80%, normal 90%. Soybeans, 1975 85%, normal 90%. Greenbug infestations causing problems. Dry bean planting nearly complete. Alfalfa fair to good condition; 75% of first cutting harvested. Wild hay mostly fair to good condition. Pasture and range feed supplies 55% short.

NEVADA: Strong inflow of moist air brought precipitation to all areas except extreme south. Amounts ranged from trace to 1.81 in. Temperature extremes: 88 and 33°.

Alfalfa hay harvest extending north. Harvesting small grains started southern valleys. Showers improved range condition some areas.

NEW ENGLAND: Temperature near normal 7th, 10° above thereafter. Precipitation 1.00 in. or more plus northern Maine, South 0.25 to 0.50 in. Rest New England less than 0.25 in.

Maine potato planting nearing completion. Northern corn 80 to 90% planted, southern 90 to 95%. Haying full swing throughout. Strawberry harvest beginning. Cranberries showing first blossom. Apple set normal to less.

NEW JERSEY: Hot, dry. Temperatures 1 to 5° above normal. Extremes: 46 and 96°. Rainfall averaged 0.01 in. north, 0.00 in. central and 0.05 in. south. Soil moisture in percent of field capacity averaged 67% north, 50% central and 39% south. Four inch soil temperatures averaged 68° north and 69° south.

Hot weather dried topsoil, general rain would be beneficial. Asparagus harvest nearing completion. Cabbage, escarole and lettuce volume increasing. Spinach, green onions, peas, beets, and "greens" moving in light to moderate volume. Sweetpotato transplanting nearing completion. Strawberry harvest declining south and central. Blueberry harvest beginning. Barley harvest beginning. Wheat coloring. Haying progressed well.

NEW MEXICO: First few days showers and thunderstorms widespread. Rainfall 0.25 to 0.75 in. common over central and east. Only a few hundredths over the Continental Divide of the west. Freezing temperatures over higher elevations.

Soil moisture short to adequate. Ranges and livestock fair. Cotton fair to good, 100% emer-

gence, good stands. Alfalfa fair to good. First cut 50% complete in north, 90% complete in south. Irrigated winter wheat good. Dryland winter wheat poor. Durum wheat fair to good. Barley, corn, irrigated grain sorghum good. Apples and onions fair.

NEW YORK: Warm, dry. Temperatures 1 to 5° above normal. Extremes: 91 and 28°.

Favorable planting conditions. Much field activity. Corn planting 80% complete, back on schedule. Dry bean planting 50% complete. Wheat and pasture condition good. Hay harvest progressing. Celery looks good. Boston lettuce harvest just starting. Early sweet corn and snap bean stands poor. Cabbage transplanting for storage crop just beginning. Strawberry harvest underway. Lake Champlain apples sizing well. Tart and sweet cherry prospects poor.

NORTH CAROLINA: Temperatures 5 to 8° above normal. Extremes: 39 and 94°. Precipitation localized 1.00 to 2.00 in. Some hail isolated locations. Dry and hot.

Fieldwork: 5.0 days suitable. Soil moisture mostly adequate. Burley transplanting 96% complete, 1975 88%. Soybeans 71% planted, 1975 77%, average 75%. Sweetpotato transplanting 79% finished, 1975 74%. Sorghum grain 81% planted, 1975 67%. Flue-cured tobacco, soybeans, peanuts, sweetpotatoes and sorghum fair to good condition. Corn fair to mostly good, cotton mostly fair. Wheat harvest 29% complete, 1975 26%, average 17%. Combining of other small grains about on schedule with 1975 and slightly ahead average. Peach harvest continues on early varieties. Hay 40% cut, 1975 39%, average 26%. Irish potatoes 18% dug, 1975 11%. Cabbage harvest in peak volume. Pickle cucumber harvest underway.

NORTH DAKOTA: Temperatures above normal. 2 to 14°. Extremes: 98 and 50°. Precipitation ranged from 0.06 in. to 0.98 in. above normal north and west and 0.31 to 0.83 in. below normal elsewhere. Most precipitation reported 3.06 in. Weekend increasing cloudiness and cooler temperatures.

Crops suffering from continued dry conditions in central and southeast. Some production potential lost. Small grain development ahead of normal and starting to head on short straw. Rain needed to promote crop and pasture growth.

OHIO: Sunny weather. Scattered showers and thunderstorms north and central 1kh to 13th. Several stations received no rain and greatest amount was 2.25 in. central.

Soil moisture declined with 84% reporting short conditions and 16% adequate. Dry, warm weather slowing crop and pasture growth but speeding small grain development and limiting weed growth. Wheat 30% turned compared with 15% in 1975 and normal. Oats 60% headed compared with 45% in 1975 and 35% normal. Average height: Corn 12.0 in., 14.0 in. 1975 and 10.0 in. normal; soybeans 5.0 in., 5.0 in. 1975 and 3.0 in. normal. Alfalfa hay cutting 80% complete, 45% 1975 and normal; Clover-Timothy 55%, 35% 1975 and normal. Tobacco 80% set, 60% 1975 and normal. Pasture condition poor to fair. Fieldwork: 7.0 days suitable.

OKLAHOMA: Temperatures normal to 3° below normal. Precipitation 0.03 in. central and southeast to 0.32 in. Panhandle. Weekend very warm with scattered rain in central and southwest areas.

Wheat harvest active southwest, moving northward; 97% crop dough stage, same as year ago and average. Harvest 16% complete, 9% year ago when rains occurred, 36% average. Weeds causing harvesting

problems. Oats and barley near 25% combined, near 15% year ago, average of 33% for oats and 44% for barley. Some good yields obtained. Sorghum condition fair to good. Seeding 78% complete, average 70%. Greenbugs widespread and causing threat. Good progress cotton planting, now 80% complete, half plants up. Plantings about average, emergence at 40%, behind 50% average. Peanuts 85% planted, average 70%. Condition good to fair. Soybean plantings 80%, 62% average and year earlier. Emergence 30%, same year earlier. Some second cuttings alfalfa made. Pecan set only fair to poor. Ranges good to excellent with surplus feed being cut for hay. Cattle in near peak condition.

OREGON: Temperatures 2 to 5° below normal. Extremes: High 70's, mid 30's west High 80's, 30° east. Precipitation above seasonal norm along eastern border and generally less than normal elsewhere.

Field crops mostly in good condition. Seed crops setting seed. Alfalfa hay being cut and baled. Spring pastures being seeded. Winter wheat development boot to milk stage. Early apples being thinned. Cherry harvest expected end of June to first of July. Strawberries being harvested. Cool, damp weather hampering vegetable growth. Livestock in good condition. Range and pastures fair to good. Lambs being marketed. Little cattle sales movement.

PENNSYLVANIA: Warm, dry weather. Daytime highs 70's to low 90's. Overnight lows 40's to 60's. Extremes: 94 and 43°. Temperatures 2 to 7° above normal. Widely scattered showers and thunderstorms midweek and 13th. Total precipitation none to 0.33 in. in most areas, or 1.00 in. at few isolated locations.

Soil moisture mostly adequate, short in north. Fieldwork: 6.0 days suitable. Activities: Cultivating, spraying, replanting corn, transplanting tobacco and cabbage, making hay, filling silos. Tobacco transplanting 64% complete. Soybeans planted 82%, last year 85%. Barley 35% turning yellow, last year 23%. Wheat 88% headed, 6% turning yellow, last year 90% headed, less than 5% turning. Oats headed 21%, last year 9%. Corn 6.0 inches high, last year 7.0 inches. Alfalfa first cut 52%, Clo-Tim 48%, feed from pasture average. Hay quality good. Cherry and strawberry harvests full swing.

PUERTO RICO: Island rainfall 1.24 in. or 0.31 in. below normal. Temperatures about 79° on coasts and 73° interior.

SOUTH CAROLINA: Temperatures 10 to 12° below normal early week. Slightly above normal end of week. Record lows many locations central and west on 6th, 7th and 8th. Extremes: 96 and 42°. Rainfall spotty, varying from none to around 1.00 in. Some hail isolated areas.

Soil moisture adequate. Field activities increased including planting soybeans and sweetpotatoes, harvesting small grains, cucumbers, tomatoes and peaches. Very light harvest of tobacco. Cultivating cotton, soybeans. Weeds, grass becoming problem some areas. Flies, pink eye problem in beef cattle herds. Soybeans planted: 73% 1976; 79% 1975; 74% average. Sweetpotatoes planted: 83% 1976; 80% 1975; 77% average. Peaches harvested: 17% 1976; 11% 1975; 9% average. Wheat harvested: 53% 1976; 55% 1975; 43% average.

SOUTH DAKOTA: Hot, dry, windy. Highs in 90's and 100's. Extremes: 106 and 46°. Thunderstorms east central left 1.00 in. precipitation.

Topsoil moisture 90% short, 10% adequate. Main activities: Corn cultivating and haying operations. Planting of row crops virtually complete except sorghum which is 84% planted, 1975 85%, normal 78%. Crop development slow due to drought. Crop yields reduced significantly. First alfalfa cutting yields well below normal. Alfalfa weevils and aphids causing damage. Record livestock marketings as pastures very poor, hay supplies short. Livestock in good condition. Few diseases. Stock water supplies getting critical in more areas.

TENNESSEE: Hazy conditions. Isolated light showers mid-week in middle and extreme east at end. Temperatures averaged near normal.

Hot, dry weather boosted crop development and allowed farm activities to resume including haying, small grain harvesting, soybean seeding and cultivating. Fieldwork: 5 days suitable. Soybeans being seeded behind small grains in west. Soil moisture 80% adequate, 11% short and 6% surplus. Corn nearly all planted with even stands and good condition. Soybeans 85% planted, 70% last year, 78% average. Cotton planting completed, much was replanted. Some fields with poor stands being plowed up. Wheat 85% ripe, 70% last year, 78% average. Wheat 30% harvested, 15% last year, 20% average. Oats 70% ripe, 60% last year, 40% average. Oats 10% harvested, 10% last year, 10% average. Barley 90% ripe, 75% last year, 65% average. Barley 25% harvested, 25% last year, 20% average. Second cutting alfalfa 45% completed, 30% last year, 25% average. Tobacco transplanting 96% completed, 90% last year, 92% average.

TEXAS: Sunny dry weather prevailed. Temperatures 2 to 3° above normal northwest, 2 to 3° below normal central. Far west 1 to 2° above normal. Little rain fell. Only south above normal. Rest well below normal.

Planting cotton, sorghum, peanuts, soybeans satisfactory progress. Early stands good excellent growth. Harvest wheat, oats, flax resumed most areas. Wheat harvest moved northward underway on High and Low Plains on dryland stands. Most areas better yields than expected. Oat harvest has resumed on schedule. Many farmers baling crop for hay. Cotton planting rapidly nearing completion. Few localities High and Low Plains to complete intentions. Replanting necessary because poor stands and rain or hail damage. Stands Lower Rio Grande Valley, Coastal Bend fruiting well. Some insect control measures necessary. Early peanut stands are making excellent growth. Sorghum planting still in progress High Low Plains where farmers replanting stands lost to heavy rains and hail. Southern areas sorghum stands headed nearing maturity.

Lower Rio Grande Valley: Steady supplies cucumber, okra, sweet corn. Tomato movement light. Citrus good condition. Laredo: Melon harvest continues, onion harvest complete. Coastal Bend: Cucumber harvest complete. Watermelon harvest active. San Antonio-Winter Garden: Cabbage harvest near completion. Onion harvest finished. Supplies cucumbers melons steady. Central Texas: Tomato harvest underway. Rust damage some fields beans and peas. East Texas: Harvest of squash, potatoes, beans, cucumber continues. Watermelon harvest active, some damage excess rainfall. North Texas: Potatoes, peas continue good progress. Insect population increasing. Knox-Haskell: Potato harvest continues. Trans-Pecos: Onion harvest active. High Plains: Onions, potatoes continue good growth. Pecans: Spraying for casebearers in Central, North Texas. Scab disease reducing prospects in Blacklands. Outbreaks of web worms reported along coast. Picking of peaches in Coastal Bend complete. Har-

vest of early varieties in other areas.

Good to excellent range conditions. Few areas need moisture to sustain growth rates. Warm, dry weather deplete available moisture. Livestock good condition continue to show improvement. Movement to market, herd culling light as ranchers adjust herds to grazing conditions.

UTAH: Series of storms latter part week and weekend. Accumulations of moisture locally heavy northwest portion but light to moderate elsewhere. Temperatures much above normal early dropped below normal over weekend to average near normal for period.

Southern and central dryland acreage quite dry, adversely affecting small grain and range conditions. Northern areas received moisture toward end week which freshened range and small grains, but caught many farmers with hay down. Sugarbeets look good. Thinning still going on many areas. Spring wheat and barley 35% jointed, 35% in boot, 30% of acreage headed. Oats 50% joint, 30% in boot and 20% headed.

VIRGINIA: Temperatures below normal. Warming toward end of week. Extremes: 95 and 35°. Rainfall averaged less than 0.60 in.

Fieldwork: 5.7 days suitable. Topsoil moisture 61% short, 39% adequate. All crops in good condition. Corn cultivation, sidedressing continued. Soybeans 66% planted, 1975 65%. Planting following small grains active. Land plaster, chemicals applied to peanuts. Small grain harvest progress: Barley 35%, 1975 24%; oats 13%, 1975 13%; wheat 11%, 1975 9%. Tobacco planting progress: Fire-cured 93%, burley 66%, sun-cured 96%. Pasture conditions improved. Hay harvest active, yields low. Few potatoes dug. Transplanting cabbage and sweetpotatoes active. Spraying and thinning orchards.

WASHINGTON: West: Temperatures 1 to 6° below normal. Precipitation below normal on coast. Weather unsettled, overcast, light showers.

Crop growth slow. Spring planted grains growing. Christmas tree farming is normal. Raspberries in full bloom. Strawberry harvest this week. Harvesting lettuce, spinach, radishes. Pastures good most areas. Grass being green chopped, baled, made into silage. Apple scab observed.

East: Temperatures near normal in northeast, 1 to 3° below normal elsewhere. Precipitation near normal in Okanogan to 0.10 in. below elsewhere.

Winter wheat 70 to 95% headed east central; 45 to 75% headed far east. Frost damage in some fields. First flowers on potatoes. Alfalfa cutting. Corn, beans in improved condition. Cherry harvest next week. Splitting, excess drop and

cullage occurred. Fruit size small. Severe rain and hail hit extreme southeast. Field crop damage unknown. Spring lambs to market. Fertilizing, irrigating, weeding summerfallow main activities.

WEST VIRGINIA: Temperatures above normal. Extremes: 95 and 34°. No rainfall south and northeast with less than 0.20 in. elsewhere.

Soil moisture short. Fieldwork: 5.7 days suitable. Hay harvest, gardening and cultivating most active. Corn planted 98%, emerged 87%. Over 67% tobacco acreage set. First cutting hay 36% complete compared to 21% last year. Most crops fair condition. Barley 88% headed, wheat 81%. Livestock good condition.

WISCONSIN: Temperatures 10° above normal. Highs in upper 80's and lower 90's. Overnight lows in 50's and 60's. Widely scattered showers and thunderstorms north 7th and northwest 9th. More numerous rainfall 12th and 13th with severe storms and some tornadoes. Rainfall totals ranged from 0.25 to 1.25 in. Heaviest southeast where excess of 2.00 in.

Rains helped relieve moisture stress on crops. More moisture needed northwest where rainfall since April 1 only a third of normal. About 30% first crop hay harvested, 1975 15%, normal 10%. Quality of hay excellent, quantity below normal due to poor growing conditions in May. Pastures far below normal. Some livestock sold northwest where feed supplies short. Corn growing well in very warm weather and recent rains. Herbicide activity should improve with the moisture. Soybean germination and growth helped by rain. Small grains needed the rain also as early fields heading. Growth of small grains may be shorter than usual due to previous dry weather. Few tobacco growers transplanting plants. Strawberry harvest to begin soon, size reduced by dry weather except where irrigated. Some early peas harvested, many fields in bloom. Soil moisture supplies 96% short, 4% adequate prior to weekend rains.

WYOMING: Warm weather. Moisture below seasonal normals.

Major activities: Moving livestock to summer range and irrigating. Soil moisture down to 54% short, 43% adequate, 3% surplus. All crops planted but dry beans only 86% planted. All crops emerged but dry beans and potatoes with 75% emerged. All crops in good condition. Sugarbeets 54% thinned. Winter wheat 49% headed. Haying started. Hail and grasshopper damage isolated areas.

World Agricultural Weather Summary

For the period May through mid-June.

HIGHLIGHTS: Drought lingered in northwest Europe and Australia but eased elsewhere in Europe and in northern areas of the People's Republic of China (PRC). Weather was mostly favorable for crops in the USSR, although some stress occurred in southern Ukraine and eastern portions of the New Lands. Generous June rains fell in most of North America's spring wheat region. Summer rains began in Africa but were light in eastern Sahel. India's monsoon performed erratically. Seeding of winter grains progressed well because of favorable weather in Argentina, Uruguay, and Brazil.

WEATHER: May and early June rains relieved dry conditions that stressed much of Europe. A pocket of drought continued to plague much of France, Belgium, the Netherlands, Luxembourg, and southern England. Conditions were mostly wet in the Mediterranean region and too wet in Yugoslavia and adjacent areas of other Balkan countries. Temperatures generally averaged near normal but were a little cooler than usual in parts of eastern Europe.

Conditions were drier than usual in Moldavia and the southern Ukraine of the USSR; quite wet throughout the Volga, Central (Moscow), and Black Soil regions; and near normal elsewhere in the European sector. Temperatures averaged cooler than normal.

Rain picked up in the Urals but brought only token relief to this long-stressed region. In Asiatic USSR, rains were substantial and generally above normal in Kazakhstan, except in northeast Kazakhstan and the eastern oblasts of western Siberia where precipitation ranged to well below normal. From the Urals eastward temperatures tended to be above normal, especially during the first half of June.

June rains erased most of the dry spots in the spring wheat area of North America. Rains were especially heavy in the Canadian Prairie Provinces. Unseasonable cold damaged and retarded crops in the Pacific Northwest.

Conditions in the PRC were drier than normal, except in Manchuria and the Szechwan Basin. Drought in Hopeh and Shantung Provinces of the North PRC Plain intensified in May but eased with June rains. Temperatures averaged a little cooler than usual in May and warmed to mostly above normal in early June.

Central Asia's summer monsoon arrived on time but performed unusually. Pre-monsoon rains in much of the Gangetic Plain were above average in May and quite good in June. Useful but less than normal amounts fell in southwestern India, Assam, and Bangladesh. Temperatures were seasonably hot.

Drought gripped most of Australia. May and early June rains were light except in southeast Queensland and northeast New South Wales. Temperatures in Australia were below normal in most of the interior region, about seasonal in the west, and on an above normal trend in the east.

May was wetter than usual in the grain triangle of South Africa. It was also wet in West Africa, although good rains did not extend into eastern Sahel. Rains were unusually heavy in most of Morocco, Algeria, and Tunisia.

Argentina and adjacent portions of Uruguay, Paraguay, and Brazil were very dry and relatively cold. Coastal areas of Brazil were mostly wet while much of the interior northeast area was dry. Venezuela and northern Columbia were also rather dry. Except for spots along the Pacific Coast, Mexico received little rain.

CROPS: Crops tended to regain momentum from rains in much of northern Europe, but continued to suffer from prolonged drought in areas adjacent to the English Channel. In most of the Mediterranean region, including northwest Africa, generous May rainfall benefited crops, although winter grains now need drier weather for ripening and harvest. In wetter areas--such as parts of the Balkans, for example, and Yugoslavia in particular--cool, wet weather retarded maturity and induced lodging of winter grains, stunted corn, and increased weed and pest infestation.

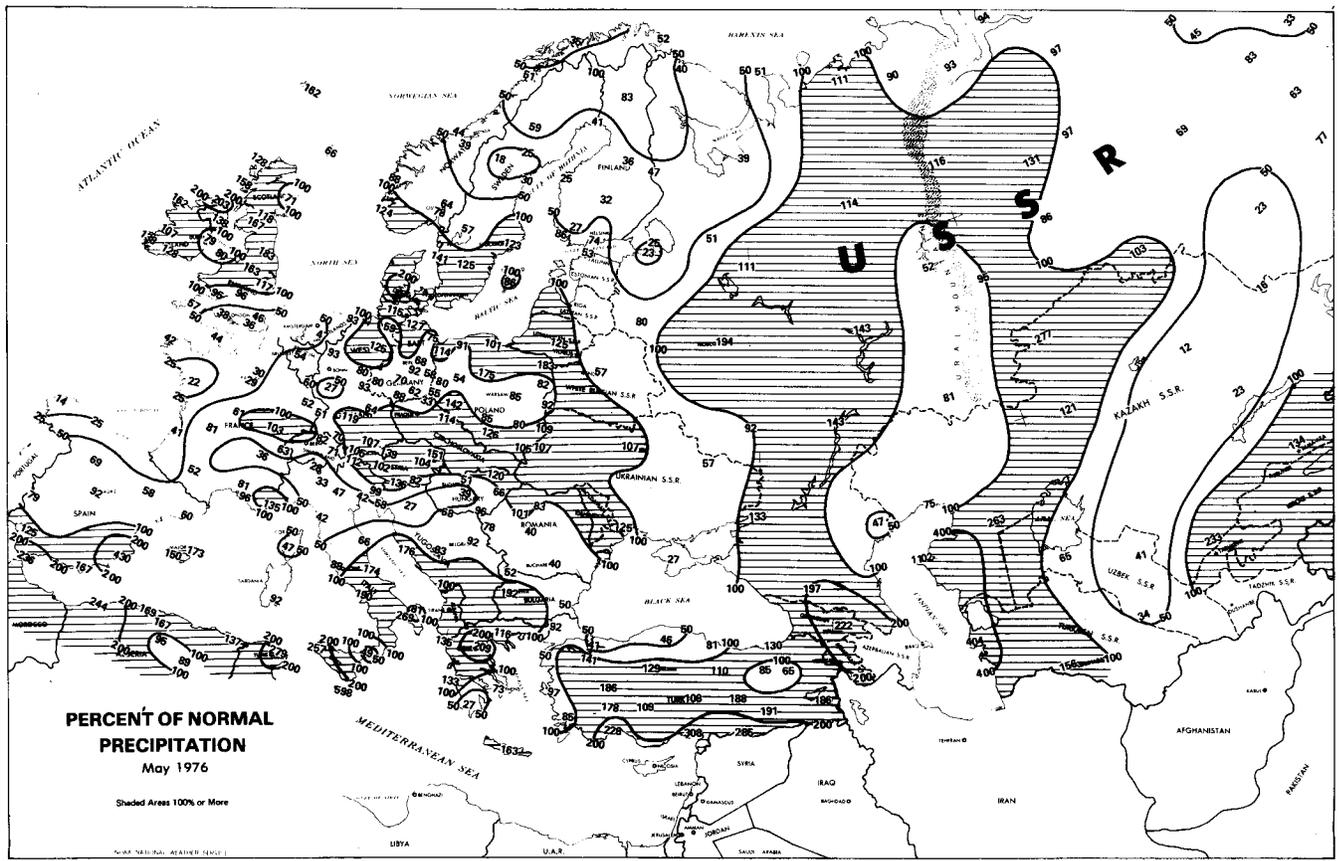
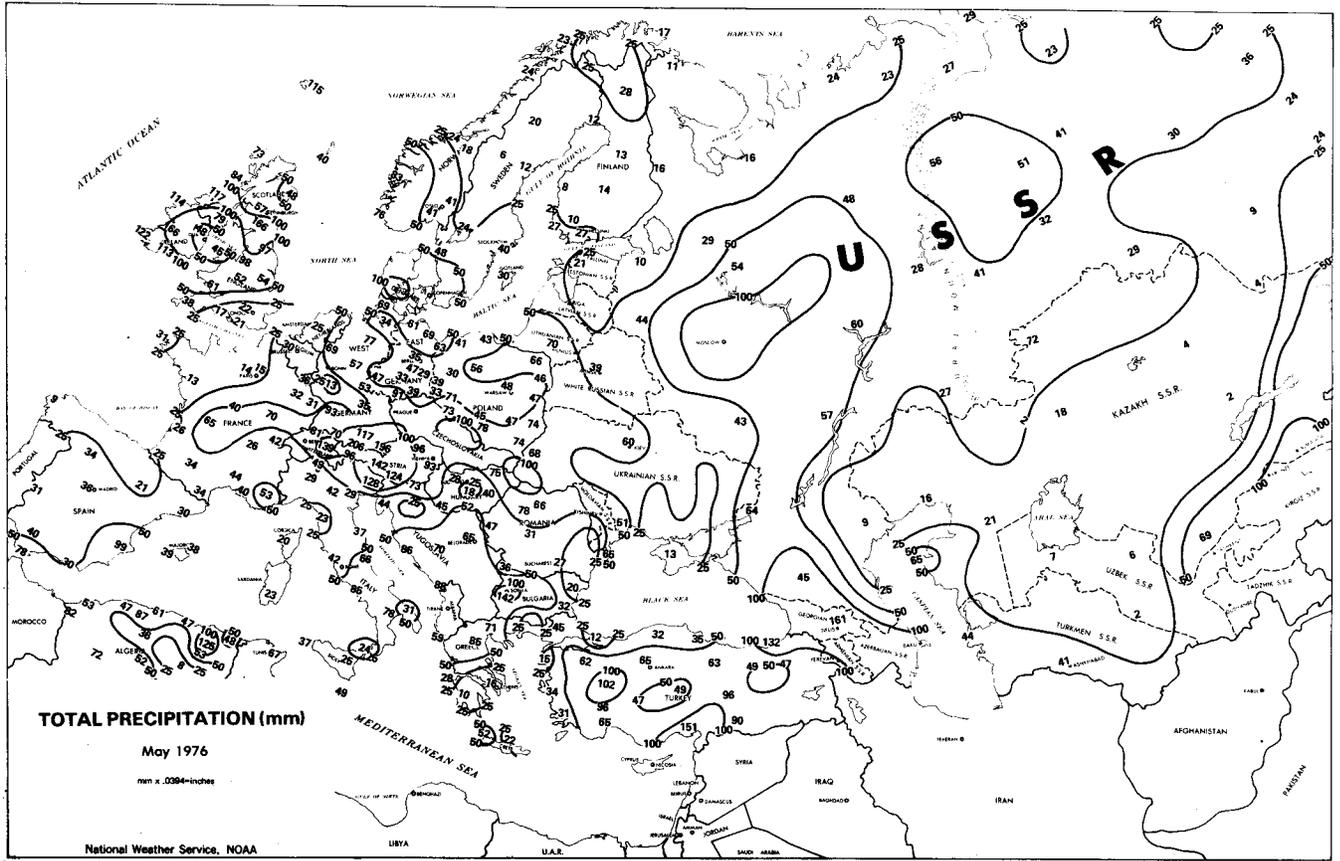
Cool weather in European USSR favored winter grains, but should be warmer for spring grain and most other crops. Rainfall was adequate to avoid crop stress, except in parts of the southern Ukraine. Drier weather would benefit central and Volga-Vyatsk regions. Warm weather in the spring wheat region was favorable for crops in May. Early June brought hot weather to much of Kazakhstan and West Siberia that stressed crops in drier areas, such as northeast Kazakhstan and eastern oblasts of West Siberia.

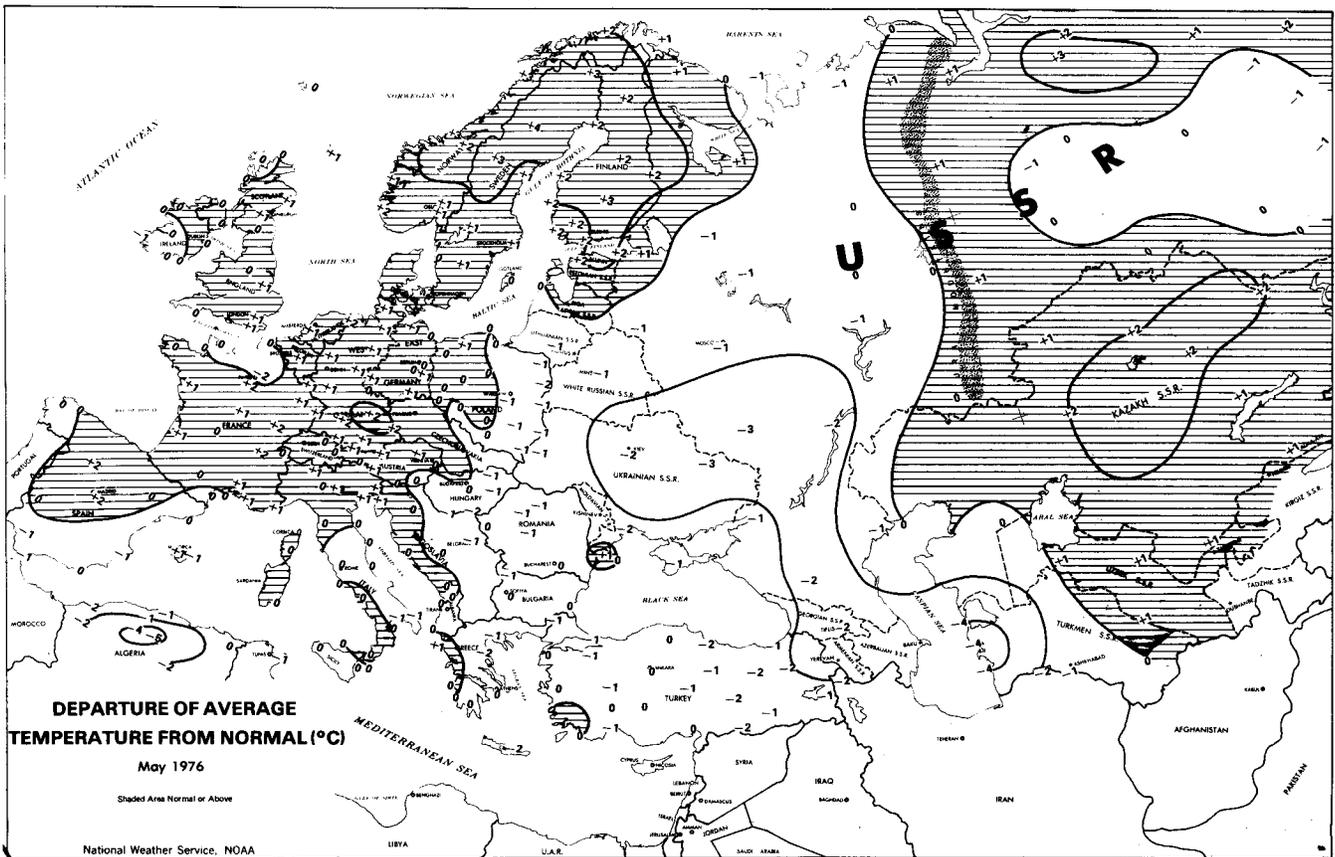
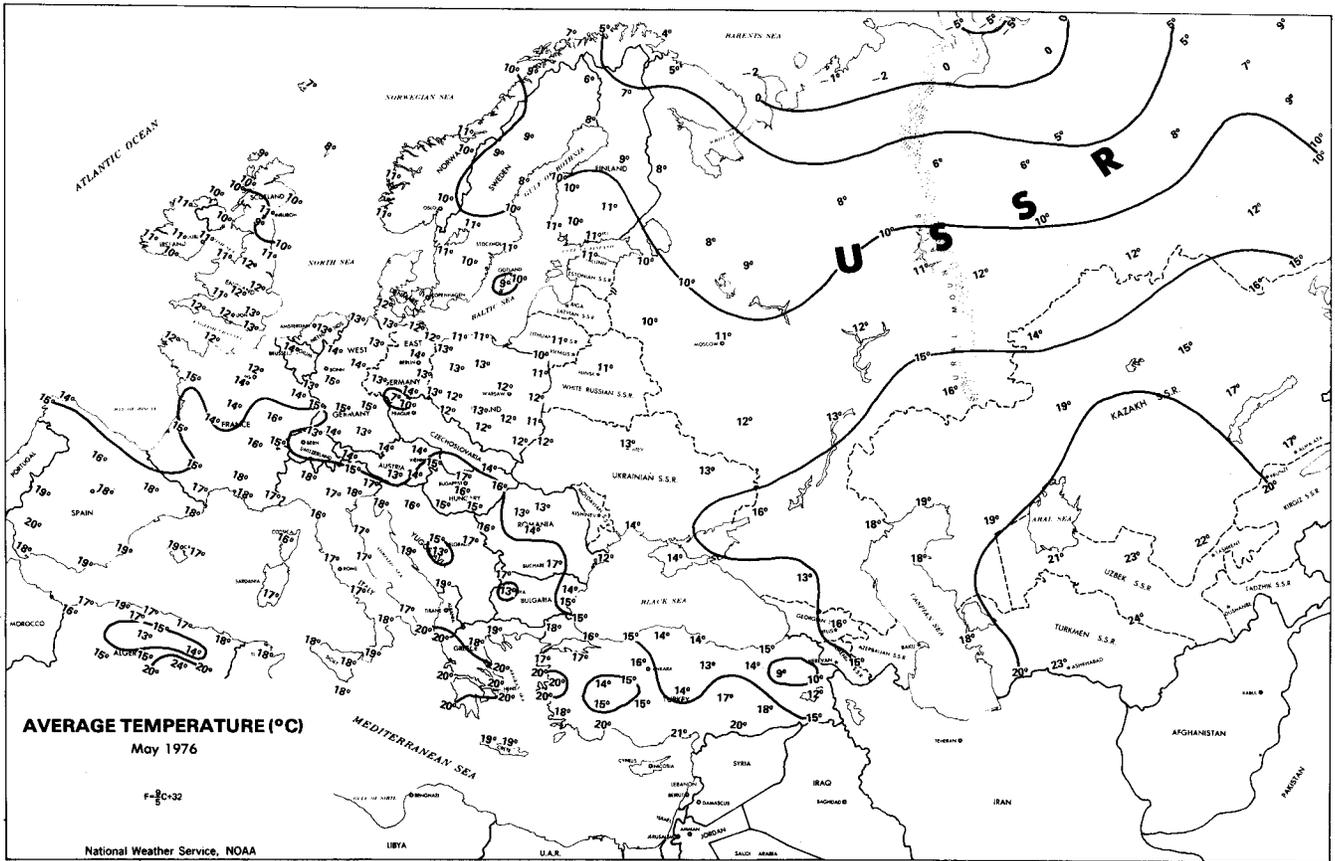
April and May were too dry in the northern PRC for optimum winter wheat development, although cooler than normal temperatures helped. June rains improved quality of wheat kernels and generally favored other crops. Above normal May rains in most of the northeast area sustained crops as the rainy season approached. Crops in most of southern PRC, where it's often too wet, benefited from drier than usual weather.

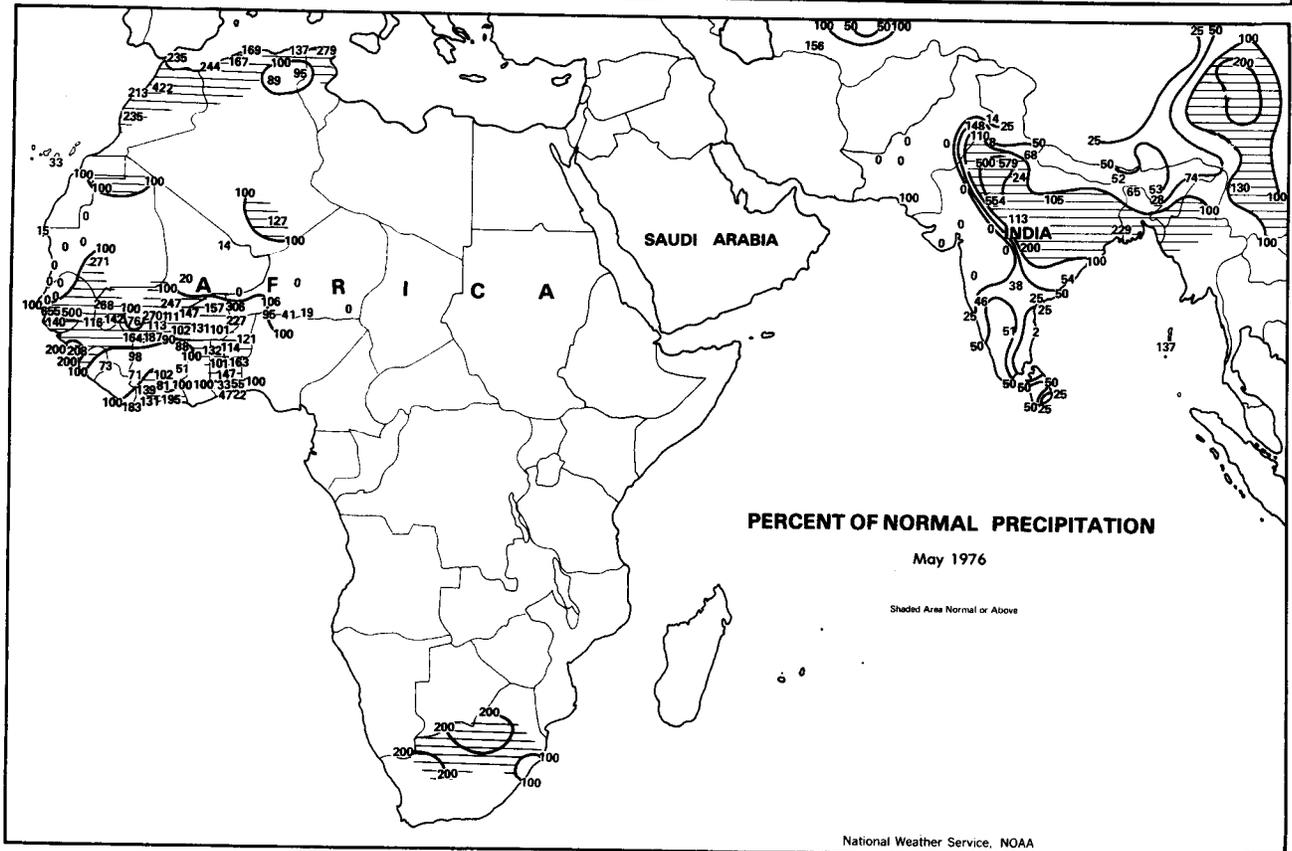
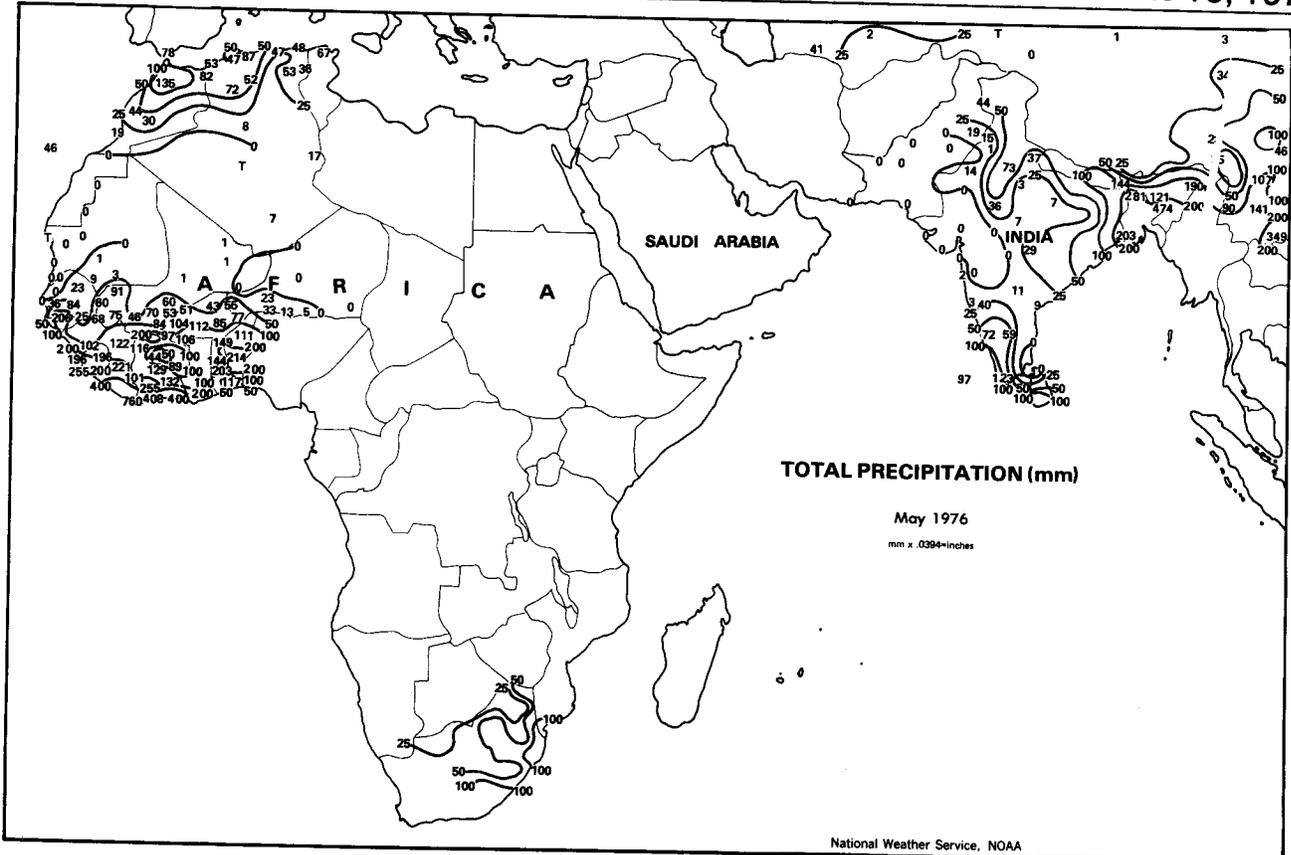
Soaking June rains in the Canadian Prairie Provinces were ideal and timely after relatively dry weather in April and May. Now, a brief warm, dry period would be beneficial.

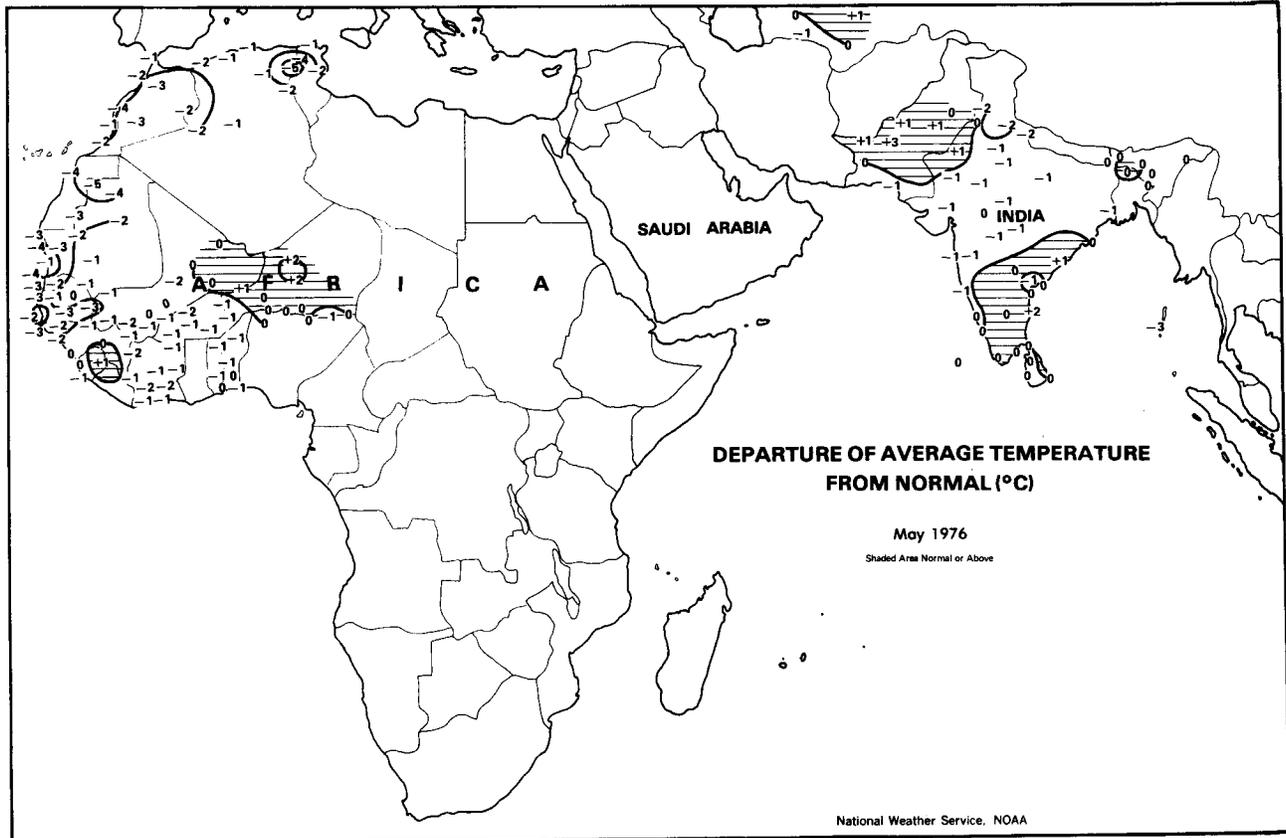
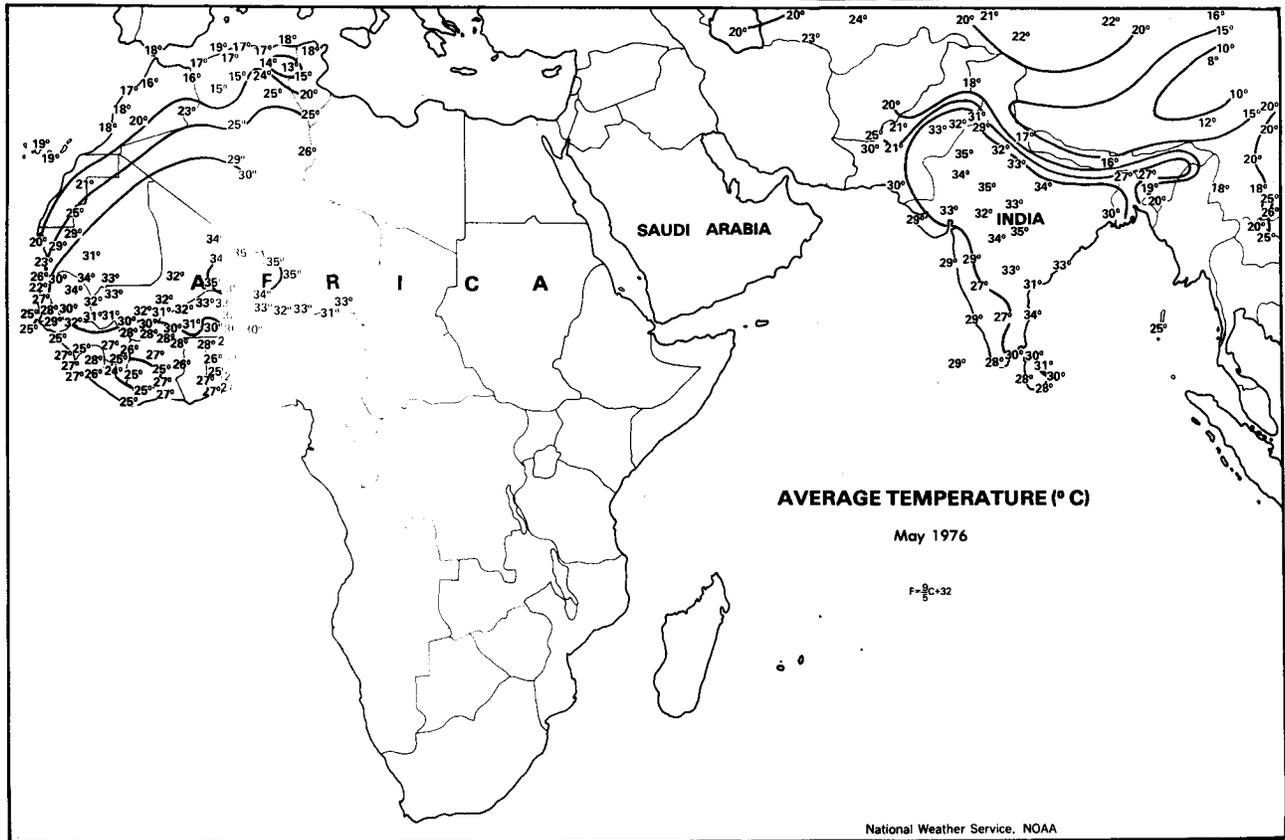
In the Southern Hemisphere, Australia needed rain to complete winter grain planting and for good emergence and growth of plants already in the ground. After a cool, dry May and early June, Argentina looks for soaking rains to establish good wheat stands.

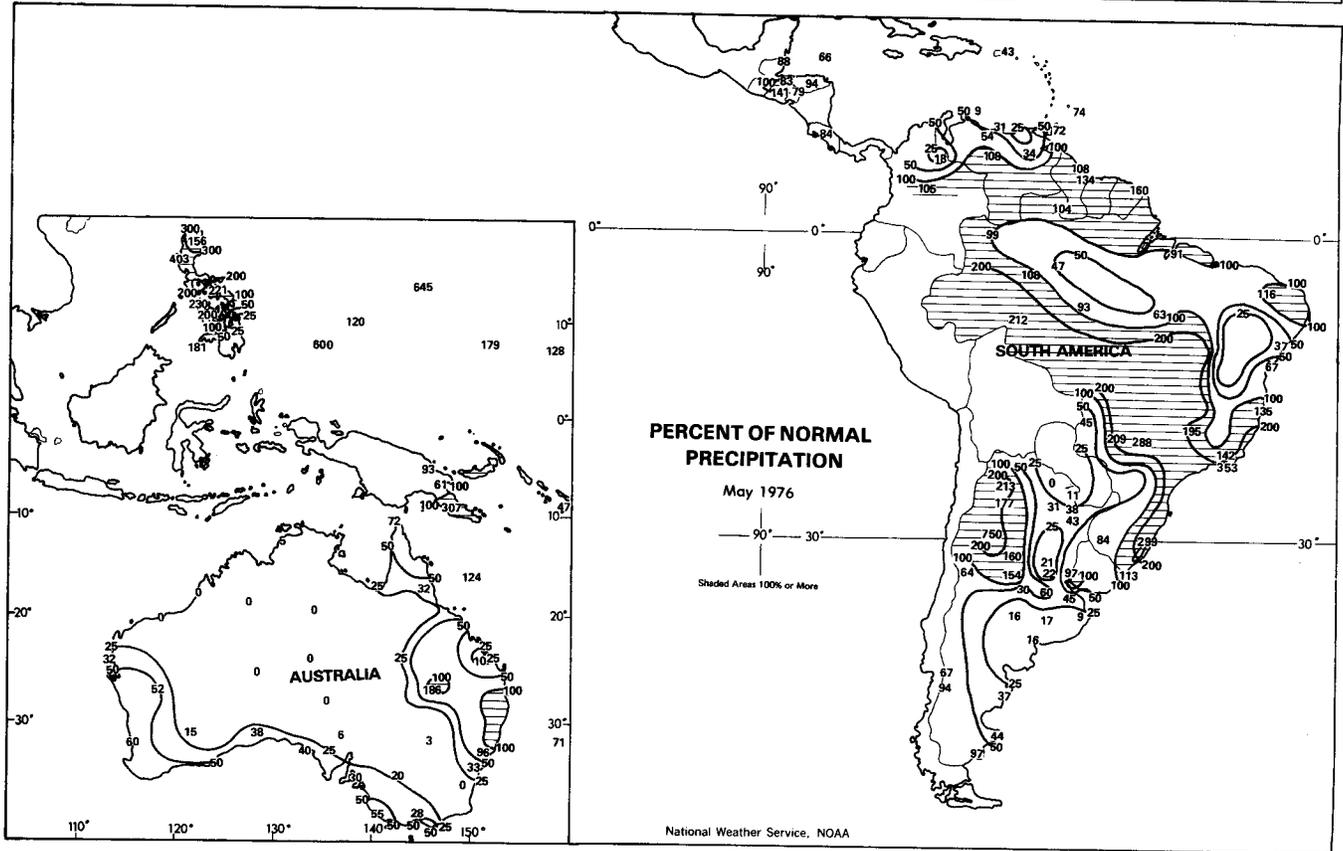
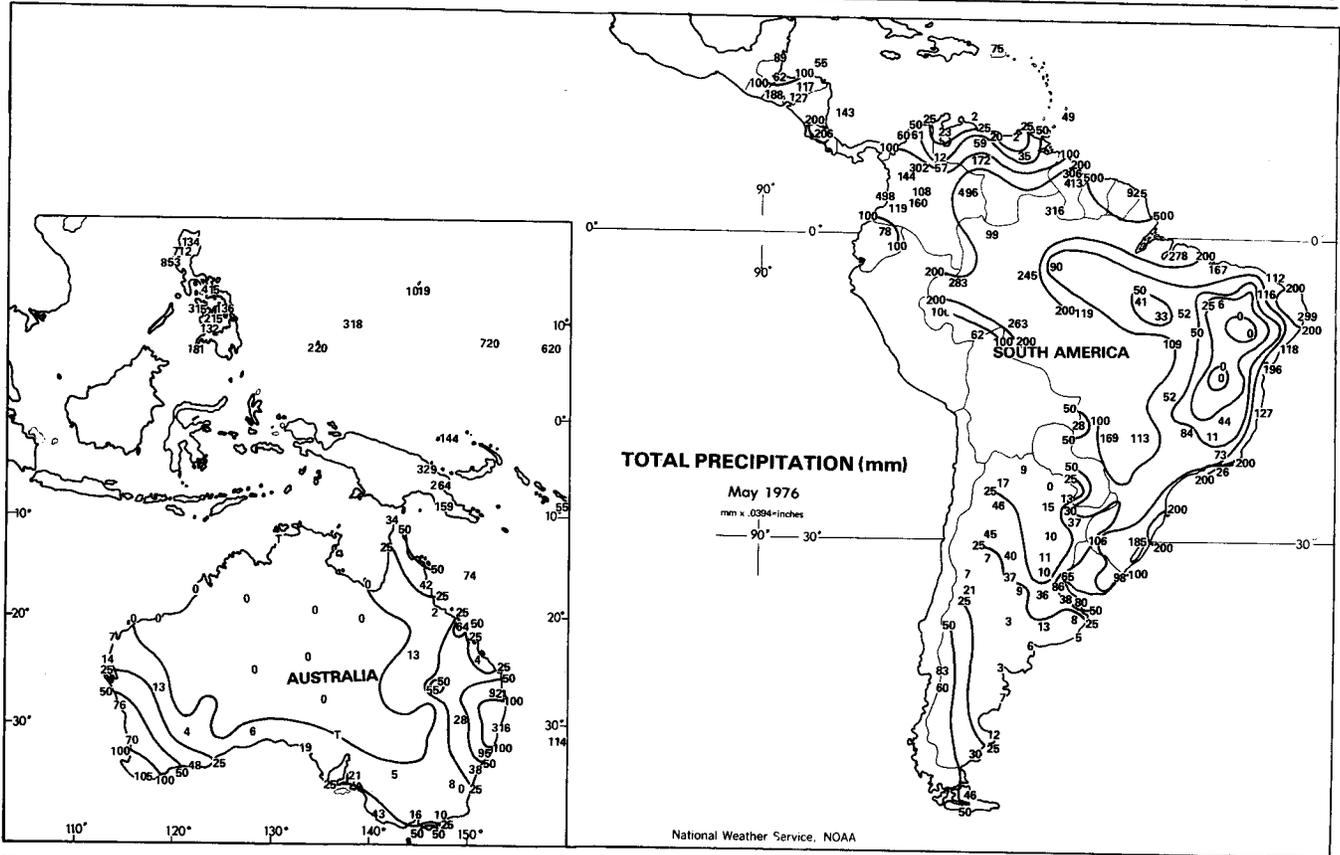
William J. Cremins
Foreign Agriculture Service, USDA

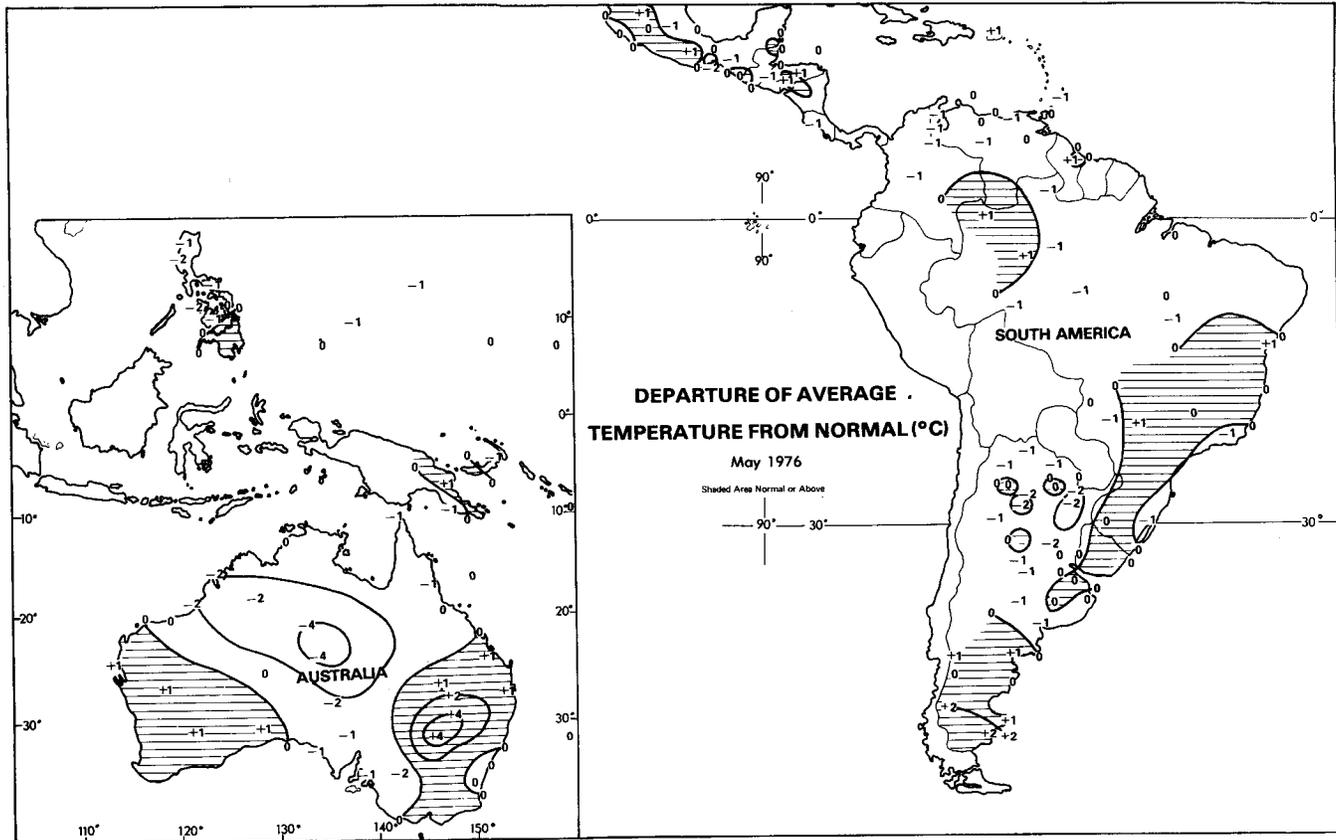
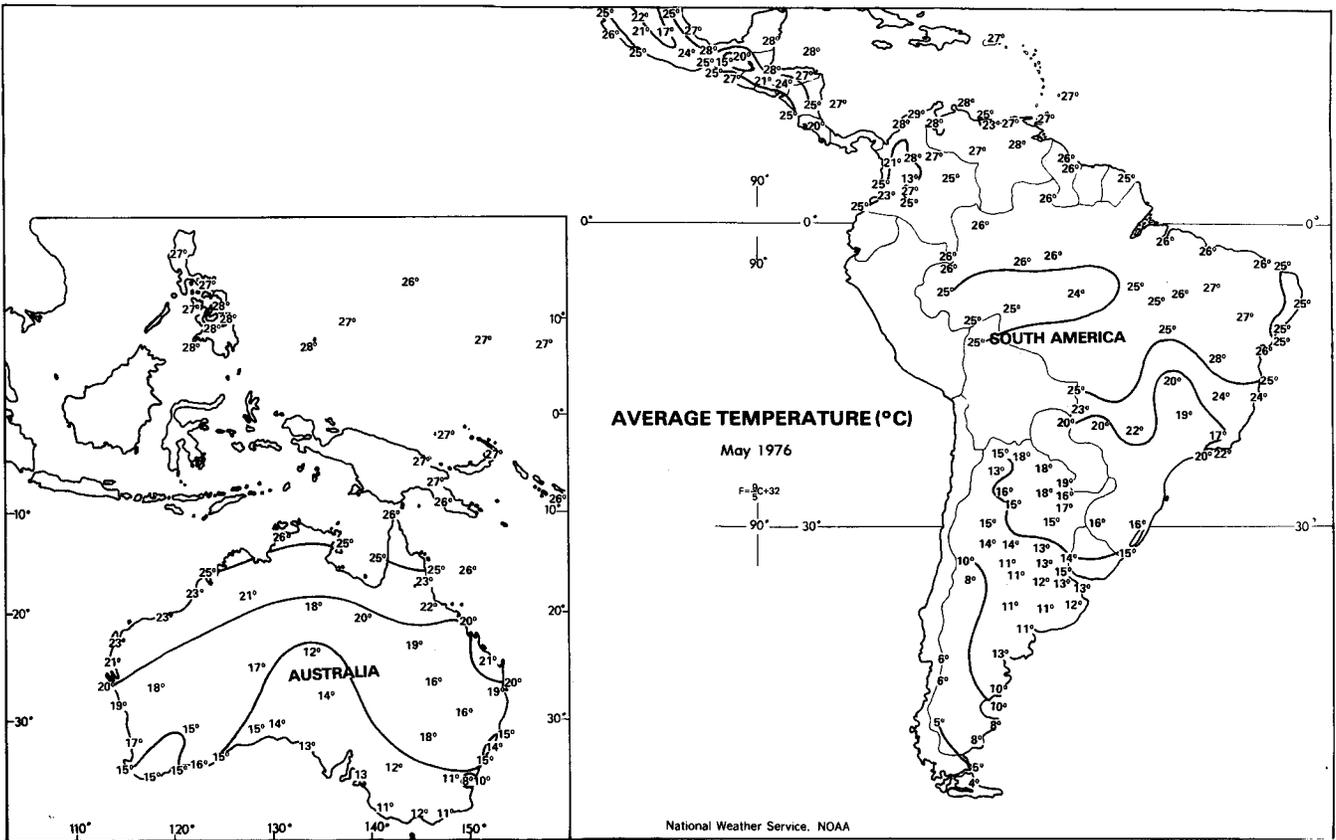




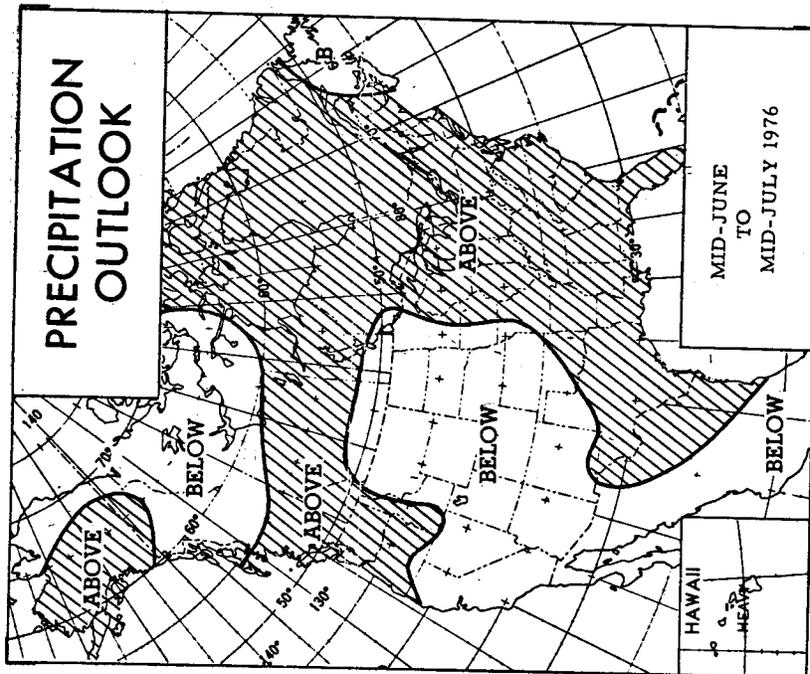
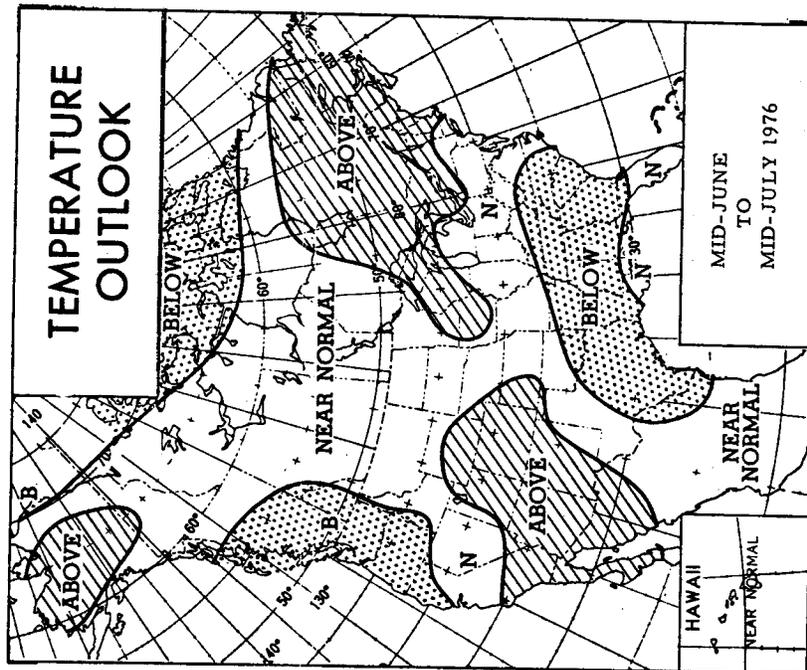




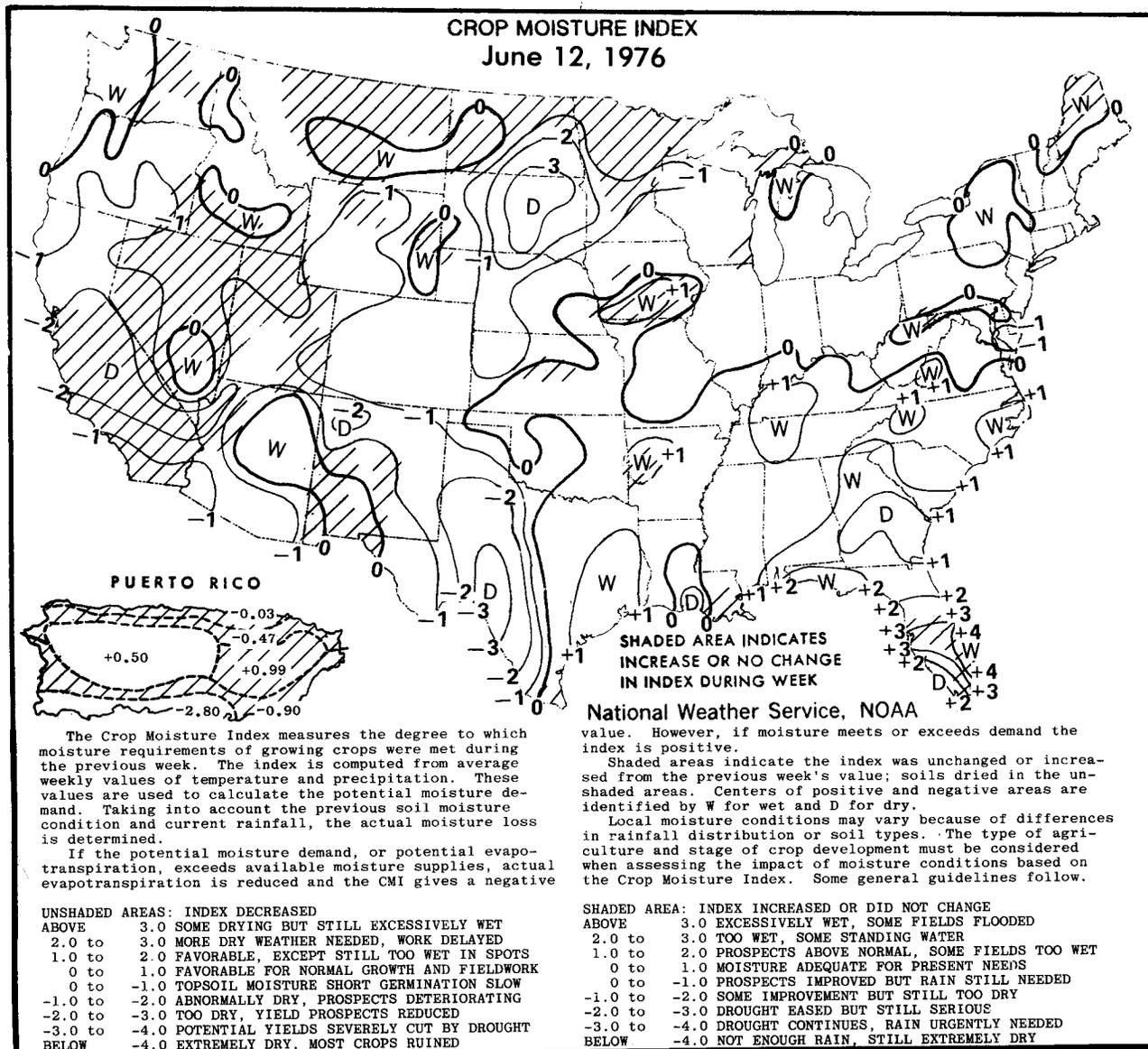




Average Monthly Weather Outlook



National Weather Service, NOAA





FIRST CLASS MAIL

PLANTING PROGRESS

Percent of Acreage Planted
 (As of June 13)

soybeans

	1976	1975	Avg.
Ala.	73	87	80
Ark.	76	74	59
Ga.	75	80	75
Ill.	100	98	68
Ind.	95	90	70
Iowa	100	100	100
Kans.	70	55	60
Ky.	58	65	57
La.	85	55	75
Mich.	80	80	75
Minn.	97	99	95
Miss.	84	56	68
Mo.	87	83	69
Nebr.	100	85	90
N.C.	71	77	75
Ohio	100	95	85
S.C.	73	79	74
Tenn.	85	70	78
U. S.	89	84	76

These 18 States produced 96%
 of the Nation's soybeans in
 1975.

sorghum

	1976	1975	Avg.
Colo.	85	69	76
Kans.	65	55	60
Mo.	84	84	74
Nebr.	100	80	90
Okla.	78	78	70
S. Dak.	84	85	78
Tex.	92	95	93
7-States	84	80	81

These 7 States produced 91%
 of the Nation's sorghum grain
 in 1975.

