

WEEKLY WEATHER AND CROP BULLETIN

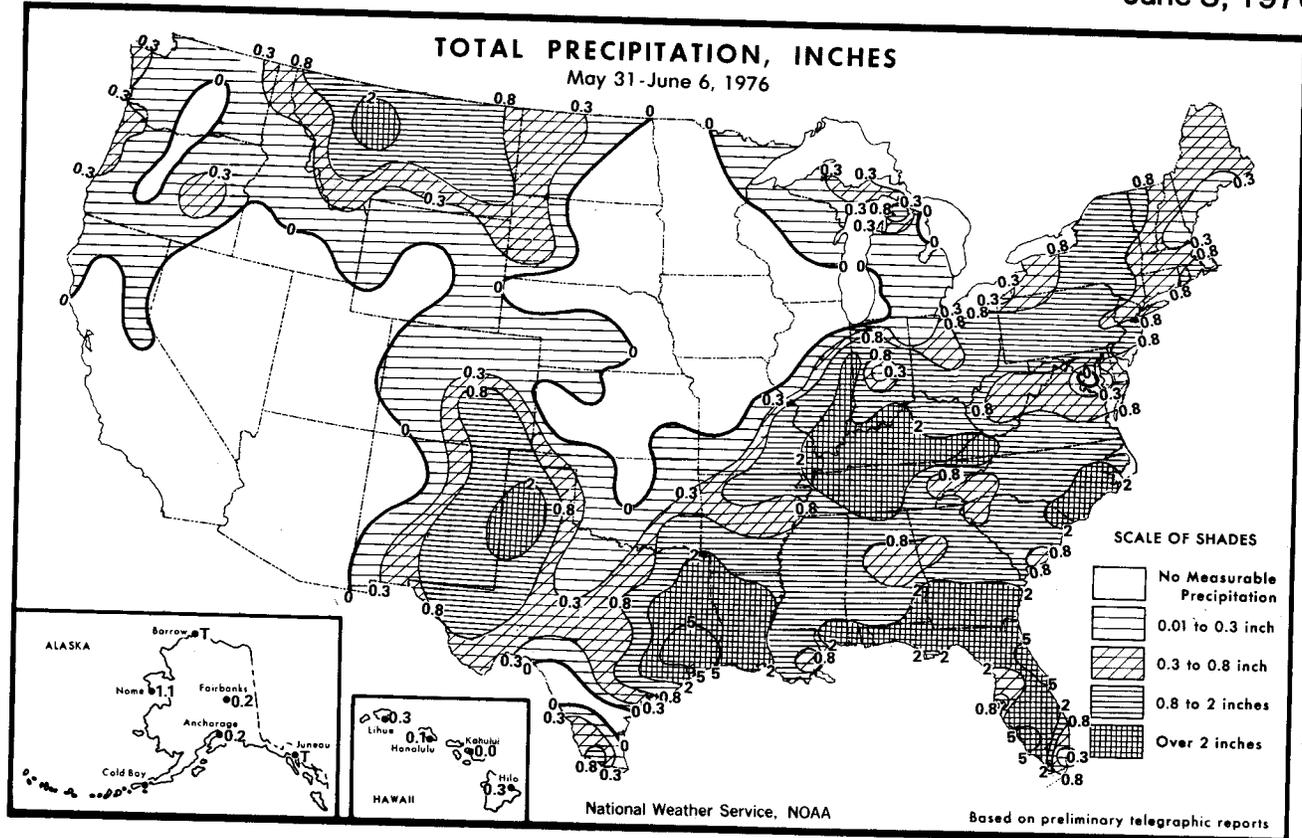
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National Weather Summary

For the week of May 31 - June 6

HIGHLIGHTS: Locally heavy rains, gusty winds, and hail accompanied widespread storm activity that thundered across central U.S. during the week. Precipitation encompassed most of the area between the Mississippi River and Continental Divide, and in the Southeast churned up some isolated severe weather. In general, tornadoes that skipped across many States caused little or no damage. Unseasonably cool air produced record low readings in the eastern third of the Nation, central and southern Great Plains, and Pacific Northwest. Thanks to a warming trend, the rest of the Nation averaged temperatures to 15° above normal.

Thunderstorms that closed out a rainy week across much of the Nation returned on Monday to the lower Mississippi and Ohio Valleys. Showery, unseasonably cool weather dominated the Pacific Northwest, where light rains persisted in the northern halves of the Intermountain region and Rockies.

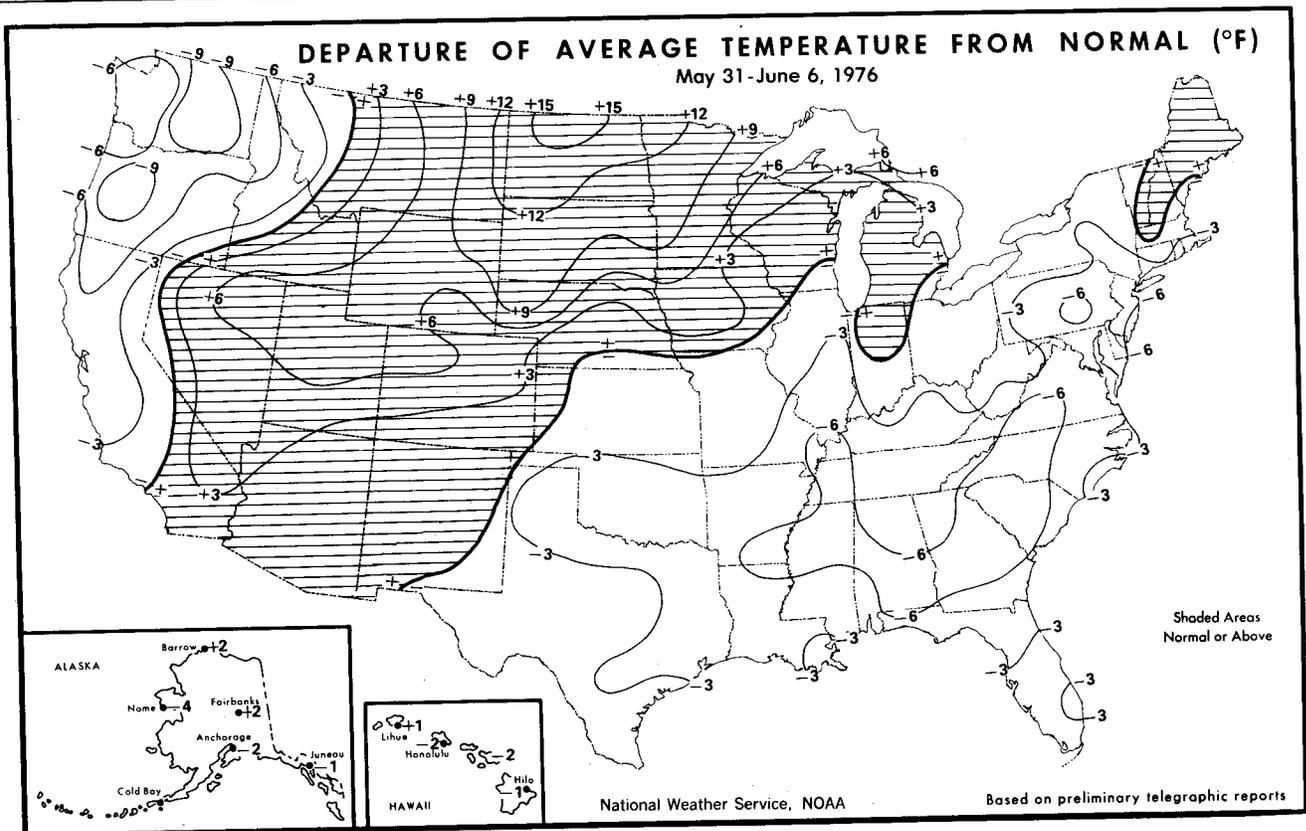
Meantime a few showers and thundershowers drifted slowly northward out of the Texas Panhandle and northwest Oklahoma into southeast Colorado and southwest Kansas.

In the afternoon tornadoes whirled across parts of Texas and Illinois. Forecasters kept an eye on funnel clouds in Indiana, Missouri, and Mississippi. Locally heavy rains and gusty winds stirred up trouble in West Virginia, Louisiana, and Alabama.

Though evening storm activity waned over most sections of the country three tornadoes swooped down in Texas and golf ball size hail pelted central areas.

In the Midwest thunderstorms roamed across Illinois and Kentucky into Indiana and Ohio to West Virginia. Other end-of-day precipitation curved along a frontal system through Virginia and Pennsylvania and along another front in northeast U.S.

In northern Minnesota, Monday closed the books on the driest May on record.



Tuesday marked the beginning of the 1976 hurricane season that runs through November. However, forecasters couldn't single out any weather disturbance likely to cause trouble over the next few days. Cool morning temperatures greeted the Pacific Northwest on Tuesday morning. Yakima, Wash. chalked up a new record low of 30°.

As late afternoon thunderstorm activity diminished in the Plains and eastern U.S. isolated severe weather--including eight tornadoes--came to life from the eastern Gulf Coast States into middle Atlantic States and over the northern Plains. Showers and thundershowers held their ground from southern New England to the middle Atlantic Coast.

Midweek weather conditions improved slowly over many sections of the Nation. In the Pacific Northwest a warming trend came on the heels of the unseasonable cold spell.

Thunderstorms continued over the Southeast and southern Ohio Valley, spreading northward and westward in the early afternoon. Central Texas sprouted daytime storms that later also stretched from Wyoming into New Mexico.

Sunny skies staged a comeback in the Southwest, and temperatures pushed into the 100's from desert areas through southwest Texas. Nationwide, thunderstorms accounted for five tornadoes, but no damage was reported.

Stationary systems spelled little change in Thursday's weather across the Nation.

By midmorning most thundershowers trickled to a stop in the Plains. A band of scattered showers and thundershowers steered a course from south cen-

tral Kansas into northeast South Dakota.

Meanwhile thunderstorm activity intensified in southeast U.S. By early afternoon an extensive area of showers and thundershowers covered lower portions of the Ohio and Mississippi Valleys, eastern Gulf Coast regions, Southern Atlantic Coast States, and eastern portions of the middle Atlantic Coast area.

On Friday thundershowers ended over the Carolina Mountains but continued along the southern Atlantic and central Gulf Coast regions. In the Plains, thunderstorms took shape from North Dakota and eastern Montana into Texas and New Mexico. By this time reports of tornadoes in the High Plains and along the Gulf Coast came as no surprise.

Mostly clear skies favored the northeast quarter of the Nation, eastern Plains States, and areas west of the Rockies.

As during most of the week, thunderstorms highlighted the weekend weather picture. For the fifth day in a row isolated heavy rains on Saturday stormed across the High Plains and the lower and middle Mississippi Valleys. Scattered thunderstorms appeared over most of the area between the Mississippi River and Continental Divide.

Chilly morning air cloaked the Northwest, where frost reached into portions of Oregon and Washington. The cool air departed quickly, however, and noontime temperatures moved ahead 30° in places, to around 60°.

Record low readings made the news along the southern Atlantic Coast on Sunday: Athens, Ga. 51°, Charlotte, N.C. 48°, and Columbia, S.C. 49°.

National Agricultural Summary

For the week of May 31 - June 6

HIGHLIGHTS: Critically short soil moisture in the Dakotas, Minnesota, and Wisconsin caused farmers to curb soybean plantings and abandon some small grains. Soil moisture supplies also were short in most of the Western States. California experienced no relief from the dry weather. Elsewhere in the Nation soil moisture was adequate and in some of the South Atlantic and South Central States surplus moisture interfered with field activities. Pastures were good except in the dry areas. Winter wheat harvest gained momentum, advancing into Virginia, Arkansas, Oklahoma, and California. Corn and cotton planting neared completion.

SMALL GRAINS: Wheat prospects dimmed in four North Central States: North and South Dakota, Minnesota, and Wisconsin. Unseasonably hot, dry conditions prematurely ripened winter wheat on short straw. Small grain crops need rain now in these four States. South Dakota farmers abandoned some acreage. Winter wheat combining was active throughout the South Central States and northward through the Atlantic Coast States into Virginia. Rain, wet fields, and high grain moisture impeded harvest. The winter wheat crop was headed out and turning color everywhere except in the northern border States.

Rains slowed winter wheat harvest in Texas, where only 14% of the crop was combined, compared with 18% in 1975 and 21% average. In Oklahoma small grains developed well but only 3% of the winter wheat crop was harvested, compared with 5% last year. In some of the other Southern States harvest was 70% complete in Louisiana, 17% in Arkansas, 28% in Alabama, 12% in Mississippi, and completed in Florida. Generally harvest fell behind the 1975 pace and average because of recent below normal temperatures. In Kansas, winter wheat development lagged normal maturity; 100% of the crop was headed with only 20% turning color, compared with 35% in 1975 and 25% average. Damage from freeze a month earlier and some disease infestations became evident.

CORN: Corn planting was virtually complete nationwide. The crop was in good condition except along the East Coast, where the crop needs warmer temperatures and in Wisconsin and Minnesota, where short soil moisture requires rain for the crop soon. Germination and emergence rates were good and most farmers achieved 95% of full stand.

The Iowa corn crop was in good condition. Weed control was good and cultivating was in progress. Only 2% of the crop was replanted. In Illinois, the crop was in good condition. The Indiana crop reached 7 inches high, compared with 6 inches in 1975 and 4 inches average. The Ohio corn crop was in good condition and at 8 inches tall was the same height as last year and 3 inches above average. In Kentucky the crop was 9 to 17 inches tall. Also in good condition, the Alabama crop was 10% tasselled. In Texas corn developed rapidly and formed roasting ears in southern areas.

COTTON: Rainy weather and subnormal temperatures lowered cotton prospects; most of the crop was in poor to fair condition. Farmers planted and replanted until forced to switch to alternate crops. The cotton crop needs warm, sunny weather.

Planting was active in Texas, 96% of the crop was sown, ahead of 91% in 1975 and 82% average. Though farmers obtained good stands, crop development was slow. In Oklahoma, 61% of the cotton was planted and 16% was up to a stand. Normally 72% of the crop was planted by this time. In Georgia 12% of the crop was squaring, compared with 11% last year.

SOYBEANS: Nationwide 80% of the soybean crop was in the ground, compared with 77% last year and 63% average. In the east North Central States 92% was planted, compared with 87% in 1975 and 57% average. In the western North Central States 87% was planted at this time both this year and last; average is 74%. Planting stood at 63% in the South Central States, compared with 56% a year earlier and average. Minnesota farmers need rain to finish planting. In Arkansas excess rainfall delayed post-emergence herbicide applications. Good stands were obtained in North Carolina and Ohio. In Iowa and Indiana 75% of the crop emerged and grew 2 inches.

OTHER CROPS: Sorghum planting advanced to 72% complete in the seven major States, 74% in 1975 and 71% average. In Texas harvest was 3 weeks away in southern areas, but planting was in progress on the Plains. Wet weather reduced some stands. Heading was widespread elsewhere in Texas.

Tobacco transplanting advanced in northern production areas. In Pennsylvania the crop was 40% set, 13% last year; in Maryland 60%, 45% in 1975 and 40% average; in West Virginia 40% was set; and in Ohio 25%, 30% last year and 35% average. In Wisconsin fields were ready to plant. Transplanting was nearly complete in North Carolina, Tennessee, and Virginia. Flue-cured harvest began in Florida. In Georgia some fields were drowned but growers harvested some leaf that could be salvaged.

FRUITS AND NUTS: Peach harvest reached 10% complete in the Carolinas, 21% in Georgia, and was also active in Arkansas and Texas. In New Jersey and Maryland a heavy June drop occurred. In California cherry picking was almost finished; other fruits improved in size and quality. Almonds sized and matured rapidly. In Oregon the peach and cherry crops look good. Rainfall benefited citrus groves in Texas and Florida. Valencia orange harvest was heavy and grapefruit picking declined in Florida, Arizona, and California.

VEGETABLES: In Florida heavy rains and the usual spring seasonal decline reduced vegetable shipments 17% from the previous week. In Texas, harvests of many vegetables were in progress. In Washington and New Jersey, growers harvested early crop vegetables, including cabbage, greens, and asparagus. In Arizona and New Mexico, lettuce and dry onion harvests were active.

PASTURE AND LIVESTOCK: Pastures were rated good and improving except in the Dakotas, Minnesota, Wisconsin, some Mountain States, and California where pasture condition was poor. Hay harvest was active throughout the U. S. First alfalfa cuttings ranged from nearly complete in the South to 7% complete in Wisconsin. Yields were light in some North Central and Atlantic Coast States. Cattle were in good condition.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., June 6, 1976

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 . . .	70	-5	.5	- .3	La. Baton Rouge . . .	76	-3	1.6	+ .8	Youngstown . . .	63	-1	1.6	+ .8
Mobile . . .	76	-3	2.3	+1.1	Lake Charles . . .	76	-3	3.0	+1.9	OKLA. Okla. City . . .	71	-3	T	-1.1
Montgomery . . .	71	-6	.6	- .2	New Orleans . . .	77	-2	.7	- .3	Tulsa . . .	71	-3	.1	-1.1
ALASKA. Anchorage . . .	50	-2	.2	0	Shreveport . . .	73	-5	3.2	+2.3	OREG. Astoria . . .	52	-3	.3	- .3
Barrow . . .	31	+2	T	- .1	MAINE. Caribou . . .	58	+5	.6	- .1	Burns . . .	51	-5	.5	+ .2
Fairbanks . . .	58	+2	.2	- .1	Portland . . .	59	0	.2	- .6	Medford . . .	53	-8	T	- .3
Juneau . . .	50	-1	T	- .7	MD. Baltimore . . .	66	-3	.5	- .3	Pendleton . . .	56	-6	.1	- .2
Kodiak . . .	---	---	---	---	MASS. Boston . . .	63	-1	.4	- .4	Portland . . .	56	-4	.5	+ .1
Nome . . .	38	-4	1.1	+1.0	Chatham . . .	56	---	.9	---	Salem . . .	50	-9	.3	- .1
ARIZ. Flagstaff . . .	55	0	0	- .1	MICH. Alpena . . .	60	+3	T	- .7	PA. Allentown . . .	62	-4	.6	- .2
Phoenix . . .	83	+2	0	0	Detroit . . .	65	0	.1	- .7	Erie . . .	60	-1	.3	- .5
Tucson . . .	80	+1	0	0	Flint . . .	64	+2	T	- .8	Harrisburg . . .	63	-6	1.5	+ .7
Winslow . . .	70	+2	0	0	Grand Rapids . . .	65	+1	.1	- .7	Philadelphia . . .	66	-3	1.9	+1.1
Yuma . . .	83	+1	0	0	Houghton Lake . . .	61	+2	.2	- .5	Pittsburgh . . .	63	-3	1.2	+ .4
ARK. Fort Smith . . .	72	-3	.8	- .3	Lansing . . .	63	0	.1	- .7	Scranton . . .	61	-4	1.5	+ .7
Little Rock . . .	72	-3	.8	- .2	Marquette . . .	59	+3	.3	- .5	R.I. Providence . . .	60	-3	1.0	+ .3
CALIF. Bakersfield . . .	73	-1	0	0	Muskegon . . .	64	+2	0	- .6	S.C. Charleston . . .	71	-5	.7	- .5
Eureka . . .	51	-3	.2	- .1	S. Ste. Marie . . .	62	+7	T	-1.0	Columbia . . .	71	-6	1.3	+ .5
Fresno . . .	67	-4	0	- .1	MINN. Duluth . . .	61	+7	T	- .8	Greenville . . .	66	-8	.5	- .3
Los Angeles . . .	66	0	0	0	Internatl Falls . . .	68	+11	T	- .8	S.D. Aberdeen . . .	72	+10	0	- .8
Red Bluff . . .	67	-5	0	- .1	Minneapolis . . .	70	+7	0	- .9	Huron . . .	69	+6	0	- .9
San Diego . . .	66	+2	0	0	Rochester . . .	65	+2	T	-1.0	Rapid City . . .	69	+9	.5	- .3
San Francisco . . .	56	+5	T	- .1	St. Cloud . . .	66	+5	0	-1.1	Sioux Falls . . .	71	+7	0	-1.0
Stockton . . .	66	+3	0	- .1	MISS. Jackson . . .	73	-4	1.1	+ .3	TENN. Chattanooga . . .	69	-4	1.2	+ .5
COLO. Denver . . .	67	+5	.2	- .3	Meridian . . .	72	-5	.9	+ .1	Knoxville . . .	71	-2	.5	- .3
Grand Junction . . .	72	+5	T	- .1	MO. Columbia . . .	68	-2	T	-1.1	Memphis . . .	71	-5	.8	0
Pueblo . . .	69	+2	.9	+ .5	Kansas City . . .	69	-2	T	-1.2	Nashville . . .	70	-4	3.6	+2.8
CONN. Bridgeport . . .	61	-3	.4	- .3	St. Louis . . .	69	+3	.8	- .2	TEX. Abilene . . .	75	-2	1.1	- .7
Hartford . . .	64	0	.5	- .3	Springfield . . .	68	-2	T	-1.1	Amarillo . . .	66	-5	2.2	+1.4
D.C. Washington . . .	69	-3	T	- .8	MONT. Billings . . .	63	+4	.3	- .3	Austin . . .	77	-2	.5	- .3
FLA. Apalachicola . . .	75	-3	1.6	+ .7	GLASGOW . . .	66	+7	.9	+ .3	Beaumont . . .	75	-4	6.6	+5.5
Daytona Beach . . .	76	-2	8.6	+7.4	Great Falls . . .	57	0	2.5	+1.7	Brownsville . . .	80	-2	.1	- .6
Ft. Myers . . .	78	-2	5.0	+3.3	Havre . . .	65	+6	1.2	+ .7	Corpus Christi . . .	80	-1	0	- .7
Jacksonville . . .	74	-4	2.5	+1.3	Helena . . .	57	-1	1.3	+ .7	Dallas . . .	---	---	---	---
Key West . . .	81	-2	2.7	+1.8	Kalispell . . .	52	-2	.7	+ .1	Del Rio . . .	81	-1	0	- .6
Lakeland . . .	78	-2	3.0	+1.8	Miles City . . .	71	+10	1.6	+ .9	El Paso . . .	76	-2	.5	+ .4
Miami . . .	79	-1	.2	-1.8	Missoula . . .	52	-4	.2	- .3	Fort Worth . . .	75	-2	.4	- .5
Orlando . . .	79	0	1.8	+ .5	NEBR. Grand Island . . .	58	-1	.2	- .8	Galveston . . .	77	-3	2.0	+1.1
Tallahassee . . .	75	-3	3.5	+2.3	Lincoln . . .	68	0	T	-1.1	Houston . . .	75	-4	4.4	+3.3
Tampa . . .	78	-2	.5	- .6	Norfolk . . .	70	+4	0	-1.1	Lubbock . . .	72	-2	2.3	+1.6
W. Palm Beach . . .	77	-3	.4	-1.3	N. Platte . . .	64	0	.1	- .8	Midland . . .	75	-2	1.1	+ .7
GA. Atlanta . . .	69	-4	.5	- .3	Omaha . . .	70	+3	0	-1.1	San Angelo . . .	78	-1	.3	- .2
Augusta . . .	70	-6	.9	+ .1	Valentine . . .	70	+7	0	- .8	San Antonio . . .	75	-5	.3	- .4
Macon . . .	72	-6	1.2	+ .4	NEV. Ely . . .	58	+4	T	- .2	Victoria . . .	79	-1	.4	- .5
Savannah . . .	72	-5	1.7	+ .5	Las Vegas . . .	81	+3	0	0	Waco . . .	77	-2	.8	0
HAWAII. Hilo . . .	73	-1	.3	-1.4	Reno . . .	57	-1	0	- .1	Wichita Falls . . .	74	-4	.3	- .6
Honolulu . . .	76	-2	.1	0	Winnemucca . . .	64	+6	0	- .3	UTAH. Blanding . . .	65	+3	0	- .1
Kahului . . .	74	-2	.0	- .1	N.H. Concord . . .	61	0	.2	- .6	Salt Lake City . . .	70	+8	0	- .3
Lihue . . .	78	+1	.3	- .1	N.J. Atlantic City . . .	60	-7	.6	- .2	VT. Burlington . . .	61	-1	.9	+ .1
IDAHO. Boise . . .	58	-3	T	- .3	Trenton . . .	64	-4	1.4	+ .7	VA. Lynchburg . . .	63	-7	1.5	+ .7
Lewiston . . .	54	-8	.1	- .4	N.MEX. Albuquerque . . .	72	+1	T	- .1	Norfolk . . .	69	-3	.9	+ .1
Pocatello . . .	63	+5	T	- .4	Roswell . . .	75	+1	1.2	+ .9	Richmond . . .	67	-4	.5	- .3
ILL. Cairo . . .	69	-6	2.0	+ .9	N.Y. Albany . . .	62	-2	.5	- .2	Roanoke . . .	63	-6	1.3	+ .5
Chicago . . .	65	-2	T	- .8	Binghamton . . .	59	-2	1.3	+ .5	WASH. Colville . . .	51	-7	.2	- .2
Moline . . .	67	0	T	-1.0	Buffalo . . .	60	-2	.5	- .1	Omak . . .	52	-9	.2	- .1
Peoria . . .	67	-1	0	- .9	New York . . .	64	-4	.6	- .1	Quillayute . . .	48	-6	.6	- .3
Rockford . . .	64	-1	0	-1.0	Rochester . . .	61	-2	.6	0	Seattle-Tacoma . . .	55	-3	1.1	- .3
Springfield . . .	70	0	T	- .9	Syracuse . . .	60	-3	1.3	+ .6	Spokane . . .	51	-7	.2	- .2
IND. Evansville . . .	69	-3	2.0	+1.1	N.C. Asheville . . .	62	-6	.7	- .1	Walla Walla . . .	56	-8	.2	- .2
Ft. Wayne . . .	67	+1	T	- .9	Charlotte . . .	67	-6	1.2	+ .4	Yakima . . .	51	-11	T	- .2
Indianapolis . . .	68	0	.2	- .8	Greensboro . . .	65	-7	1.0	+ .2	W.Va. Beckley . . .	61	-3	.8	- .2
South Bend . . .	66	+1	0	- .8	Hatteras . . .	69	-3	1.5	+ .5	Charleston . . .	67	-2	.4	- .3
IOWA. Burlington . . .	68	0	T	-1.0	Raleigh . . .	69	-3	1.0	+ .2	Huntington . . .	68	-2	.9	+ .1
Des Moines . . .	70	+3	0	-1.2	Wilmington . . .	73	-2	2.5	+1.4	Parkersburg . . .	67	-2	1.0	+ .1
Dubuque . . .	65	+1	T	-1.2	N.DAK. Bismarck . . .	73	+13	.1	- .7	WIS. Green Bay . . .	62	+1	.1	- .7
Sioux City . . .	70	+3	0	-1.0	Fargo . . .	72	+11	0	- .7	La Crosse . . .	67	+2	0	-1.0
KANS. Concordia . . .	68	-1	0	-1.2	Williston . . .	73	+14	.5	- .2	Madison . . .	63	+1	T	-1.0
Dodge City . . .	69	-1	0	- .8	OHIO. Akron-Canton . . .	63	-2	1.1	+ .3	Milwaukee . . .	60	-1	T	- .8
Goodland . . .	68	+3	0	- .7	Cincinnati . . .	67	-2	1.2	+ .3	WYO. Casper . . .	65	+7	T	- .4
Topeka . . .	70	0	0	-1.3	Cleveland . . .	63	-2	.9	+ .1	Cheyenne . . .	61	+3	T	- .4
Wichita . . .	70	-2	0	-1.0	Columbus . . .	66	-1	.6	- .3	Lander . . .	65	+8	T	- .6
KY. Lexington . . .	67	-3	1.6	+ .6	Dayton . . .	67	-1	1.0	+ .1	Sheridan . . .	64	+7	T	- .7
Louisville . . .	69	-1	2.4	+1.4	Toledo . . .	62	-3	.2	- .6	P.R. San Juan . . .	80	0	.9	- .5

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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: Cool temperatures and scattered showers. Temperatures 4° below normal. Rainfall varied from light to heavy. Fieldwork: 2 days suitable. Soil moisture surplus. Cotton poor to fair condition. Corn, good condition; 10% tasseled. Soybean planting delayed; 59% complete, 77% 1975, average 74%. Wheat harvest 28% complete.

ALASKA: Tanana Valley cool and cloudy first but warmer than normal and sunny through latter portion. Spotty showers toward weeks end but precipitation below seasonal normal. Matanuska Valley warm sunny weather prevailed. Temperatures slightly above normal and no rainfall. Kenai Peninsula was sunny except 6th. Warmer than normal temperatures first, cooler than normal last of week. Precipitation below normal. Kodiak warm sunny weather except 5th and 6th. Temperatures normal. Rain on 6th.

Cool temperatures slowed crop growth in Railbelt. Planting nearly completed in the Fairbanks and Palmer areas. Planting about 50% completed in Clearwater, Kenai Peninsula. Ground moisture adequate but short on hill sides at Fairbanks.

ARIZONA: Dry weather except few showers extreme east. Temperatures within 2° of normal.

Early cotton fields blooming. Irrigation, cultivation, weed control main activities. Harvesting wheat full swing, yields good. Barley harvest slow. Grain sorghum planting good progress. Sugarbeet harvest nearing completion, yields good. Alfalfa hay harvest, third cutting. Lettuce harvest continued. Potato, dry onion harvest full volume. Cantaloup harvest increasing. Picking grapefruit, valencia oranges. Ranges excellent high mountain regions, fair mid-elevations, poor desert. Stock water supplies adequate. Cattle, calves good condition.

ARKANSAS: Below normal temperatures. Extremes: 87 and 50°. Precipitation 0.12 to 1.91 in.

Soybean planting 67% complete, 65% last year, average 50%. Excessive moisture delaying post-emerge herbicide application. Cotton planting virtually complete, 81% acceptable stand. Some fields replanted to soybeans. Rice seeding 99% complete, 98% last year, 97% average. Some fields two or three different stages of development. Corn planting complete. Sorghum planting 93% complete, 69% year ago, average 63%. Wheat harvest 17% complete, 19% 1975. Harvest dixie red peaches underway. Rains slowed hay harvest. Improving pastures aided cattle gains.

CALIFORNIA: Trend toward above normal temperatures reversed. Active cold front brought very light rain to scattered points north and a few isolated showers to Sierra, elsewhere dry. Cold air early week produced sub-freezing temperatures several mornings northeast corner and to Sierra.

Small grain harvest active. Rice planted; good stand. Alfalfa cutting continues. Cotton, sugarbeets, dry beans, corn, milo, and safflower doing well. Cherry harvest about complete, good quality, sizes small. Fresh grape harvest active. Peach, plum, nectarine size and quality improving. Almonds sizing and maturing rapidly. Valencia orange harvest active. Lemon harvest past peak. Desert grapefruit harvest over half complete. Vegetables progress good. Potato plantings com-

plete. Processing tomatoes setting well, some insect control. Most harvest light, strawberries heavy with large diversion to processors. Irrigated pastures supporting large number livestock. Herds thinned, feedlots full. Shearing underway.

COLORADO: Warm and dry west; East warm, thunder-showers. Some rainfall over 1.00 in. Temperatures above norms.

Wheat 81% headed; 79% 1975, 72% average. Sugarbeets 28% thinned. Corn 93% emerged. Sorghum planted, 80%; 38% 1975, 57% average. Dry beans seeded 46%; 24% 1975, 38% average; emerged 9%, 8% 1975, 13% average. Potatoes emerged; summer 85%, fall 13%. Soil moisture decreased, short to adequate. Ranges and pastures poor southeast, fair to good elsewhere.

FLORIDA: Cloudiness and rainfall kept temperatures from near to slightly below normal. Rainfall averaged 1.00 to 3.00 in.

Soil moisture adequate across Peninsula, excessive in Panhandle. Corn and peanuts good to excellent condition. Soybean planting good progress but interrupted by rain. Flue-cured tobacco harvest beginning. Small grain harvest complete. Sugarcane good condition. Pastures putting on good growth as rainfall replenishes soil moisture. Some lowland pastures oversaturated. Pastures being limed and fertilized, summer pastures being established. Cattle and calves mostly good condition Panhandle and north, fair to good elsewhere. Citrus groves in excellent condition with above average rainfall. Valencia harvest continues heavy. Grapefruit nearly finished. Harvest spring vegetables showing general seasonal decline. Overall, shipments decreased 17%. Crops showing increased shipments were green peppers, eggplant. Celery, chinese cabbage, potato shipments held steady. Shipments decreased all other vegetables. Heavy rains hastened decline of several crops. Some vegetables complete for season.

GEORGIA: Scattered showers, thundershowers except midweek. Rainfall in mountains near 6.00 in. elsewhere 0.25 in. to over 5.00 in. Temperatures 2 to 5° below normal. Temperatures mid-60's mountains to upper 70's southeast. High pressure cleared skies 5th and 6th.

Soil moisture excessive. Fieldwork: 2 days suitable. Cool, wet weather detrimental to crops, restricted fieldwork. Corn fair to mostly good condition, down slightly from last week. Cotton condition poor to good, mostly fair, down moderately from last week; 12% squaring, 11% year ago. Peanuts fair to good condition, unchanged from last week; 18% blooming, 38% blooming year ago. Soybeans fair to mostly good; 57% planted, 71% year ago, 66% average. Tobacco poor to good, slightly improved from last week. Drowning in several areas. Harvesting salvageable tobacco started. Watermelons fair to good condition, down moderately from last week. Peach condition mostly good, harvesting 21% complete, 25% year ago, 14% average. Pastures, cattle and hogs good condition.

HAWAII: Weather favorable. Getting warmer. Rainfall light, mainly windward and higher elevation.

Irrigation heavy most sections. Insects increasing, spraying becoming frequent. Vegetable supplies adequate. Bananas supplies light. Papayas production seasonal upswing. Pineapple getting active but still light. Pasture condition fair to good.

IDAHO: Temperature near normal, no precipitation southeast. Precipitation above normal north. Frequent light precipitation southwest. Cool temperatures north and southwest.

Fair weather cool nights helped grain growth. Spring range dry, cattle move to summer range. Most active fieldwork: Irrigation, weed control. Winter wheat 66% boot 1976, 26% 1975. Spring wheat 99% planted 1976, 92% 1975. Barley planted 97% 1976, 92% 1975. Potatoes planted 92% 1976, 82% 1975.

ILLINOIS: Temperatures 1° above normal extreme northwest, 6° below normal south. Precipitation light north, extreme south up to 3.00 in.

Corn 7% excellent, 78% good, 15% fair; 90% full stand. Soybeans 94% planted, 89% 1975, 53% average. Winter wheat 8% excellent, 58% good, 30% fair, 4% poor; 95% filled, 95% 1975, 89% average; 45% turning yellow, 17% 1975, 23% average. Oats mostly fair to good; 55% headed, 36% 1975, 42% average; 25% filled, 7% 1975, 9% average. Hay crops mostly good; alfalfa 54% cut, 48% 1975, 31% average; red clover 50% cut, 50% 1975, 27% average. Grain sorghum 65% planted. Pastures mostly good. Soil moisture 21% short, 64% adequate, 15% surplus. Fieldwork: 4.00 days suitable.

INDIANA: Rainfall 0.50 to 1.50 in. in southwest and central, none to 0.50 in. elsewhere. Temperatures mid-60's and near normal. Extremes: 45 to 87°.

Fieldwork: 2 days suitable. Topsoil and subsoil moisture adequate. Corn virtually all planted, 95% emerged. Corn 7 in. high, 1975 6 in., average 4 in. Soybeans 90% planted, 1975 85%, average 50%. Soybeans 75% emerged. Soybeans 2 in. high, 1975 3 in., average 2 in. Oats 35% headed, 1975 25%, average 10%. Wheat all headed, 20% beginning to ripen. Tobacco 45% set, 1975 33%, average 35%. Alfalfa hay 50% cut. Clover hay 30% cut. Pastures fair.

IOWA: Temperatures 2° above normal. Gradual warming. Precipitation 1.10 in. below normal with only very widely scattered showers. Sunny skies all week.

Corn 95% full stand, 2% replanted, most stands good. Cultivation and rotary hoeing in progress. Weed control mostly good. Soybean planting virtually complete at 95%, 94% last year, 81% average. Soybeans emerged 75%, same as year ago. Favorable for hay harvest. First cutting alfalfa harvested 33%, 28% 1975, 13% average. Alfalfa and clover stands mainly good. Condition oats and wheat stands mostly fair to good. Wheat and some oat stands heading. Topsoil moisture 26% short, 72% adequate, 2% surplus. Subsoil moisture, 14% short, 84% adequate, 2% surplus. Fieldwork: 6.0 days suitable. Pasture good. Livestock condition good.

KANSAS: Temperatures 69° northwest, 72° southeast and south central, near normal northwest to about 2° below normal southeast. Precipitation scattered and light, generally 0.25 in. or less.

Wheat development slightly behind normal, 100% headed, but only 20% turning, 35% average, 25%

last year. Corn 95% planted same as last year and average. Sorghum 40% planted, 50% last year, 45% average. Soybeans 40% planted, 50% last year, 45% average. Alfalfa first cutting 60% complete, 75% last year and average. Wheat freeze damage 3d most severe east central and southeast. Barley yellow dwarf virus scattered outbreaks. Streak mosaic central area. Take all root rot central and southeast.

KENTUCKY: Temperatures a little below normal. Showers and thundershowers beginning and middle with fair weather at end. Precipitation around 2.50 in. with locally heavy amounts around 3.50 in.

Fieldwork: Less than 1 day suitable. Activities limited to mowing pastures, mending fences, machinery and rainy day chores. Soil moisture surplus. Soybean seeding 39%, 58% a year ago and 44% average. Practically all corn planted. Average height 9 in., most advanced fields average 17 in. Burley tobacco setting made some progress central and east, now 63% complete, 59% last year and 51% average. Dark types similar progress, some hand resetting where too wet for mechanical equipment. Good stands most all row crops. Barley ready for harvest when soil dries out and conditions permit, wheat not ripe yet, needs sunshine and warm weather. More freeze damage showing up in wheat, many heads partially sterile, leading to reduced yield. Some going into grass silage or green manure. Pastures responding quickly to rains. Some hay spoilage due to being down during rains. First cuttings generally short due long dry spells.

LOUISIANA: Temperatures 2 to 6° below normal. Extremes: 97 and 58°. Rain early, heaviest west central.

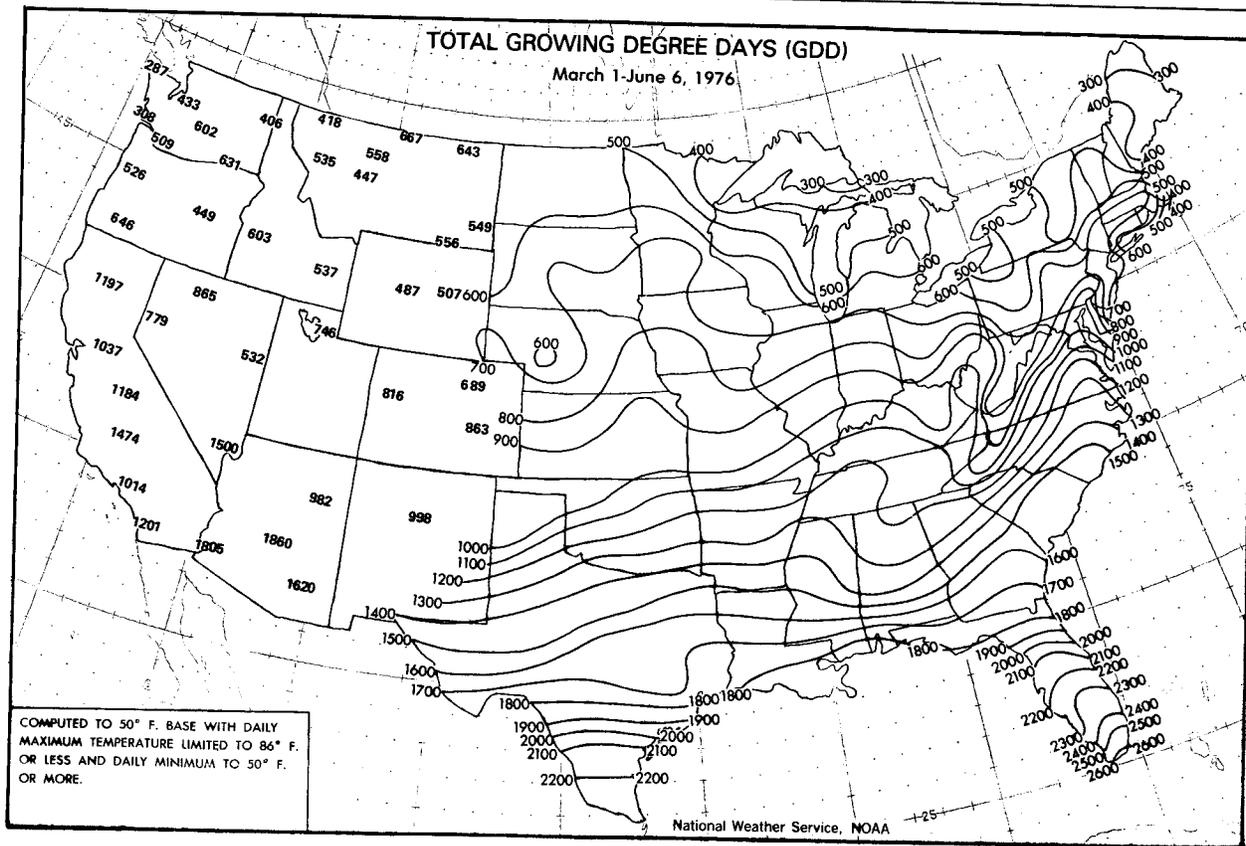
Soil moisture adequate. Fieldwork: 4.0 days suitable. Cotton 99% planted, 92% last year, 97% average; 92% up to stand. Growth slow, needs warmer weather. Soybeans 74% planted, 44% last year, 65% average; 65% up to stand. Rice growing well; early rice in boot. Corn good. Sugarcane good; layby nearly complete. Sweetpotato transplanting 55% complete, 62% last year. Wheat, oats harvest over 70% complete. Pastures good.

MARYLAND & DELAWARE: Temperatures 1 to 6° below normal. Extremes: upper 30's and low 90's. Precipitation 0.37 to 4.00 in., heaviest north central. Weekend sunny, warm.

Corn planting 99% completed; 91% 1975, 94% average. Soybeans planted 55%; 55% 1975, 49% average. Tobacco set 60%; 45% 1975, 40% average. Small grains good condition. Haymaking halted, wet weather. Second growth alfalfa extremely good. Asparagus harvest nearing completion. Apple, peach crop in fair condition. Heavier drop than normal expected. All crops need warmer weather for optimum growth.

MICHIGAN: Temperatures 10° above west Upper Peninsula to 1° below Lansing; mean around 52 to 65°. Precipitation near 2.00 in. north but none extreme southern Lower.

Good weather for all crops, windy conditions dried soils fast. Rains weekend were welcome. Fieldwork: 5 days suitable. Corn 92% planted, same as 1975 and 87% normally. Dry beans 10% planted, 17% 1975 and 14% average. Soybean planting full swing, 60% completed, 67% last year and 55% normally. Potatoes developing well, 20% yet to be done, same as normal progress but slightly behind last year. Wheat 40% headed, 43% 1975 and 28% normally. Oats 1% headed. Fruit



set south extremely light. Seeding and transplanting melons, squash and pumpkins major activities south. Asparagus 66% picked, strawberry 3%.

MINNESOTA: Temperatures 9° above normal northwest, 5° above normal southeast. Extremes: 93 and 38°. Dry, only measurable precipitation over small portions of east early week, extreme northwest and north central late week. Seasonal precipitation 3.00 to 6.00 in. below normal except southeast.

Prospects diminished for small grain crop. Some fields prematurely heading at short height. Corn, soybean growth slow. Some soybean fields in west central may not be planted if moisture not received shortly. Alfalfa crop very short. Pastures providing little feed. Supplemental feeding necessary. Topsoil moisture very short. Percent emerged: corn 95%, 1975 91%, normal 86%; soybeans 81%, 1975 91%, normal 62%. Corn height 5 in., 1975 1 in., normal 2 in. One-third spring grains jointing.

MISSISSIPPI: Temperatures 4 to 8° subnormal. Extremes: 90 and 53°.

Soil moisture adequate to surplus. Fieldwork: 2.8 days suitable. Cotton planting virtually completed, same as 1975 and average; 91% up to stand, 83% 1975, 88% average. Soybeans 70% planted, 41% 1975, 54% average; 54% up to stand, 26% 1975. Rice planting virtually completed, same as average; 93% up to stand. Corn planting virtually completed, 89% 1975, 89% average; 91% up to stand, 78% 1975. Winter wheat 12% harvested, 30% 1975, 32% average. Oats 18% harvested, 27% 1975, 38% average. Peanuts 93% planted, 80% 1975. Sorghums 66% planted, 44% 1975, 59% average. Sweetpotatoes 60% planted, 70% 1975, 61% average. Hay crops 25% harvested, 15% 1975, 25% average.

Irish potatoes 25% harvested, 21% 1975. Cotton in poor condition. Other crops in fair to good condition.

MISSOURI: Temperatures 2° below normal. Northern areas, 3 to 4° below normal. Precipitation 1.00 in. in west central and east Ozarks areas, 2.00 in. Bootheel, 0.50 to 0.75 in. elsewhere.

Fieldwork: 4.5 days suitable. Soybean planting 75% complete, 1975 76%, normal 58%. Grain sorghum planting 72% complete, 1975 76%, normal 62%. Wheat 64% turning color, 1975 63%, normal 50%. Condition of wheat poor to fair. Alfalfa cutting 61% complete, 1975 70%, normal 64%. Pasture condition fair to good, slightly better than previous week. Corn condition fair to good. Cotton condition poor to fair. Soil moisture 16% short, 75% adequate, 9% surplus.

MONTANA: Temperatures 3° below normal west to 10° above normal southeast. Showers and thunderstorms, severe at times in the east, with hail and damaging winds.

Topsoil moisture short. Subsoil moisture adequate except short to adequate in north central and northeast. Scattered weekend showers relieved dry conditions some areas. Corn, potatoes, dry beans seeding 95% complete. Winter wheat and spring grain good condition, fair to good north central. Almost 50% winter wheat in boot, and nearly 10% headed. Over 90% of cattle and sheep are on summer ranges. Light alfalfa weevil damage.

NEBRASKA: Temperatures above normal. Precipitation widely scattered over south and west generally below 0.50 in.

Topsoil moisture short 35%, adequate 65%. Subsoil moisture short 50% and adequate 50%. Winter

wheat condition poor 4%, fair 50% and good 46%. Wheat all jointed, 85% headed out. Corn planting practically complete, same as normal and 1975, 90% emerged. Sorghum and soybean plantings 90% completed, 1975 80% planted, normal 70%. Emergence 60% both crops. Alfalfa fair to good condition. First cutting 50% completed. Wild hay fair to good condition. Pasture and range feed supplies short.

NEVADA: Seasonal weather. Extremes: 97 and 27°. Precipitation confined to trace.

Most spring grains emerged except high elevations. Alfalfa harvest underway. Soil moisture short to very short. Ranges mostly spotty.

NEW ENGLAND: Rain between 0.20 and 0.80 in. Temperatures ranged from 87 to 59°. Inland 80's 31st, 5th. Intervening period cool.

Warm weather encouraged fieldwork. Potato planting Aroostook, Maine nearing 85 to 90% complete 7th. Corn planting underway. Strawberries ripening. Haying underway.

NEW JERSEY: Temperatures 4 to 8° below normal. Extremes: 38 and 89°. Rainfall averaged 1.01 in. north, 1.00 in. central and 0.61 in. south. Soil moisture, in percent of field capacity averaged: 61% north, 62% central and 62% south. Soil temperature averaged 62° north and 65° south.

Hail damage to fruit and vegetables. Crop replanting necessary. Soil moisture adequate. Cabbage harvest begun. Harvest of asparagus, lettuce, peas, spinach, squash and greens continues. Potatoes blooming. Cool weather reducing strawberry size. Apples and peaches sizing well. Drop heavy in some orchards. Field corn growing nicely. Soybean planting continues.

NEW MEXICO: Showers and thundershowers eastern plains from midweek through weekend with isolated amounts in excess of 2.00 in. Thundershowers general weekend with 0.25 in. or less over extreme west.

Soil moisture short, ranges and livestock fair. Cotton fair, planting virtually complete, good stands. Alfalfa good, first cut nearly complete south. Irrigated winter wheat and durum mostly good, well headed, turning color, limited harvest expected mid-June. Most dryland winter wheat abandoned or grazed out. Barley fair to good. Corn planting virtually complete, crop good. Irrigated grain sorghum planting 85% complete, fair to good condition. Dryland plantings well behind normal due to lack of moisture. Peanut planting 80% complete. Apples good. Lettuce harvest virtually complete. Onion harvest underway.

NEW YORK: Temperatures 2° below normal. Rainfall above normal central and southwest areas, below normal elsewhere. General rains 1st, 2d, and 6th, otherwise dry with cool morning temperatures. Brief thunderstorms in east 3d and 4th. Warm 5th, low 80's.

Widespread fieldwork resumed. Corn planting 60% complete, 90% 1975. Some early fields just emerging. Wheat condition good. Hay harvesting underway. Upstate potatoes growing slowly. Early cabbage transplanting complete. Apple set generally good, except Hudson Valley where McIntosh and Cortlands very light. Grape prospects good.

NORTH CAROLINA: Temperatures below normal. Cold front midweek, general rains, isolated areas hail damage. Precipitation mostly over 0.75 in., some areas 3.00 to 4.00 in.

Fieldwork: 2.6 days suitable. Soil moisture

adequate to surplus. Flue-cured tobacco condition fair to mostly good. Burley 90% transplanted, 1975 77%. Corn planting virtually complete, some replanting. Soybeans 64% planted, 1975 68%, average 65%; condition 35% fair, 65% good. Peanut condition 30% fair, 70% good. Cotton mostly fair to good condition. Sweetpotatoes 65% transplanted, 1975 63%; condition fair to mostly good. Sorghum 70% planted, 1975 58%. Small grain harvest underway. Harvest of freeze-reduced blueberry crop active. Peach harvest about 10% complete. Irish potato harvest just beginning.

NORTH DAKOTA: Temperatures above normal. Extremes: 92 to 43°. Precipitation below normal except northwest, west and southwest. Weekend numerous thunderstorms, some severe, with hail.

Small grain development about week ahead of normal. Row crop planting virtually complete. Rain needed to promote crops and pasture growth.

OHIO: Temperatures slightly below normal. Extremes: 83 and 47°. Precipitation early week 2.18 in. northwest, 0.48 in. south.

Soil moisture 16% short, 74% adequate and 10% surplus. Additional rain needed. Soybeans over 95% planted, 90% 1975 and 75% normal. Tobacco 25% set, 30% 1975 and 35% normal. Hay cut: Alfalfa 40%, 30% 1975 and 30% normal; Clover-timothy 20%, 20% 1975 and 15% normal. Wheat virtually all headed, 90% 1975, 80% normal; oats 20% headed, 20% 1975 and 15% normal. Corn average height 8.00 in., same as 1975, and 5.00 in. normal. Corn and soybean stands mostly good. Sugarbeet stands fair. Pasture condition poor to fair. Fieldwork: less than 4 days favorable.

OKLAHOMA: Temperatures 1 to 4° below normal. Precipitation 0.09 in. north central to 1.30 northeast. Weekend warm with scattered light rains.

Good progress seeding row crops, small grain development, and haymaking. Wheat harvested 3%, 88% dough; 5 and 91% year ago. Condition oats and barley good with 5 and 3% harvested. Corn planting complete with 92% up to stand, year ago 79% up to stand. Sorghum planting 66% complete, 32% stand, about same as year ago. Cotton 61% seeded and 16% stand. Average 72% planted. Peanuts 60% planted with 19% stand. Average 62% planted. Soybeans 69% planted, 43% week earlier, 53% average. First cuttings of alfalfa hay 90% complete, 97% year ago. Cattle and calves improving on good to excellent grazing. Prospects for summer pasture and ranges very good.

OREGON: Temperatures well below normal. Extremes: 70°, low 30's west; mid-70's, mid-20's east. Precipitation averaged 1.00 in. along coast, 0.75 in. Willamette Valley, 0.25 in. north central and south central and 0.60 in. northeast.

Grain, hay and seed crops in fair to good condition. Hay being cut. Pastures being seeded. Wheat heading. Strawberries near harvest. Cherry, peach crops expected good. Filberts probably light. Early market peas harvested. Livestock in good condition. Lambs being marketed. Range and pasture in good condition.

PENNSYLVANIA: Cloudiness, showers and thunderstorms beginning and end of period, sunny days and cool nights midweek. Temperatures 2 to 6° below normal. Extremes: 86 and 34°. Rainfall 0.50 to 1.50 in. most areas and ranged from 0.20 in. extreme northwest and most Lower and Middle Susquehanna Valley and nearly 2.00 in. extreme north and extreme

southeast. Damaging winds and hail to baseball size hit Harrisburg 1st evening.

Soil moisture adequate to surplus. Fieldwork: 3 days suitable. Activities: making hay, planting, cultivating, spraying. Corn planting virtually complete. Tobacco transplanting 40%, 13% last year. Soybeans 78% planted - 4 days ahead of 1975. Barley 82% headed, 12% turning yellow. Wheat 80% headed, beginning to yellow. Oats 5% headed, 3 days ahead last year. Corn 3.5 in. average height, same as 1975. Alfalfa first cut 28% complete, mostly for silage. Strawberry harvest accelerating. Feed from pastures mostly average.

PUERTO RICO: Island rainfall 0.75 in. or 0.98 in. below normal. Temperatures 79° on coasts and 73° interior. Extremes: 91 and 56°.

SOUTH CAROLINA: Temperatures 6° below normal. Extremes: 50 and 95°. Precipitation exceeded normal with cloudy skies. Scattered hail on 1st.

Wet weather slowed activities. Soil moisture adequate to surplus. Harvest of small grains slowed by high moisture. Soybean planting continues. Crop conditions: Cotton, wheat, oats fair. Tobacco, watermelons, vegetable crops, hay crops, peaches fair to good. Some tobacco stink-bug, bud worm present. Pastures, corn condition good. Soybeans planted: 59 1976; 71% 1975; 64%, average. Wheat harvested: 27% 1976; 32% 1975; 24%, average.

SOUTH DAKOTA: Showers northwest, up to 2.71 in., elsewhere little or no precipitation. Temperatures above average. Highs in 80's and 90's. Extremes: 93 and 43°.

Topsoil moisture mostly short to critically short. Black hills and northwest corner adequate. Crops hurt by drought. Some fall sown grains abandoned. Spring grains beginning to fire in scattered areas. Very light alfalfa yields. Row crop planting: Corn 98%, 1975 100%, normal 97%; soybeans 98%, 1975 95%, normal 82%; sorghum 66%, 1975 76%, normal 63%. Winter rye booted 98%, 1975 67%, normal 96%. Winter wheat booted 95%, 1975 62%, normal 96%. Winter rye headed 91%, 1975 24%, normal 78%. Winter wheat headed 84%, 1975 27%, normal 50%. Spring grains booted: Spring wheat 56%, 1975 6%, normal 20%; oats 65%, 1975 15%, normal 28%; barley 67%, 1975 15%, normal 28%. Spring grains headed: Spring wheat 15%, 1975 0% normal 1%; oats 16%, 1975 0%, normal 1%; barley 32%, 1975 0%, normal 2%. Corn height: 3.5 in., 1975 4 in., normal 4.5 in. Livestock marketing far above normal. Feed supplies getting critical. Livestock good. Pastures poor.

TENNESSEE: Cloudy wet weather. Rainfall locally heavy, up to 5.00 in. west with 2.00 to 3.00 in. common elsewhere temperatures 1 to 5° below normal.

Rains halted farm activities including soybean seeding, haying, tobacco transplanting and cultivating. Moisture will benefit extreme east. Cotton fields in poor condition due to cool damp weather. Fieldwork: 1.5 days suitable. Soil moisture 73% surplus, 26% adequate, 1% short. Corn 93% planted, 90% last year and average. Cotton 97% planted, 93% last year, 98% average. Soybeans 55% planted, 60% last year, 60% average. Rains improved small grain prospects. Development 7 days ahead of normal. Wheat 90% turning yellow, 88% last year, 70% average. Oats 80% turning yellow, 80% last year, 55% average. Barley 90% turning yellow, 95% last year, 80% average. Wheat 35% ripe, 35% last year, 20% average. Oats 15% ripe, 15% last year, 15% average. Barley 35% ripe, 50% last year, 40% average. Harvest begins

in 1 week. Tobacco 90% transplanted, 75% last year, 80% average. Alfalfa hay 85% harvested, 90% last year 95% average.

TEXAS: Cool, wet. Temperatures averaged 2 to 4° below normal southwest, east. Panhandle averaged 3 to 5° above normal. Normals range from low 70's northwest to near 80 south. Heavy rains southeast and south central over 3.00 in. common. South Plains also above average, amounts over 1.00 in. Elsewhere rainfall near normal to slightly below. Normal averages from 0.25 in. far west and south plains to near 1.00 in. east.

Field conditions improved. Warm, dry weather aided harvest northeast. Showers Panhandle. north central improved pastures, aided new crops. Scattered hail damage most severe Lower Rio Grande Valley. Wheat harvesting continues. Hail, rain slowed combining scattered areas north, east. Yields vary greatly. Harvest now 14% complete, 4% behind last year. Warm, dry days allowed oats harvest advance. Wet fields slowed work. Some stands baled, grazed. Corn developing rapidly. Stands High Plains look good. South fields reached roasting ear stage. Tasselling continues east, central. Sorghum conditions vary. Harvest should begin south three weeks. Planting Plains continues. Some fields up to stand. Wet weather hampered stands east. Heading widespread. Cotton planting 95% complete, most replanting also finished. Most fields up to good stands. Cool, wet weather slowed development east. Boll weevils scattered areas. Peanut seeding still hampered by cool wet weather. Planting 39% complete, compared average 52%.

Lower Rio Grande Valley: High winds, hail severely damaged remaining cantaloup, watermelon, honeydew fields. Cucumbers, sweet corn, okra good supplies. Tomatoes moving. Laredo: Melon harvest continues. Onion harvest near completion. Coastal Bend: Cucumber, watermelon harvest continues. San Antonio-Winter Garden: Onion, cabbage and potato harvest continues. Central Texas: Tomato harvest nears. Potatoes progressing well. East Texas: Harvest early tomatoes underway. Light supplies sweet corn, snap beans available. North Texas: Potatoes good to excellent growth; some early blight. Planting late beans, peas. Knox-Haskell: Potato digging underway. Trans-Pecos: Onion harvest continues. High Plains: Potatoes, onions good growth. Early pinto beans being planted. Peach harvest active. Spraying pecan trees. Citrus received beneficial rainfall.

Range improved. Showers provided Plains much needed moisture. Warm sunny days stimulated pasture in east. Cattle good or improving. Horn-flies scattered throughout state. Screwworms still problem south.

UTAH: Fair and mild. No rainfall reported. Temperatures near normal to 7° above.

Planted crops made good growth. Sugarbeet growth though varied, considerably ahead of last year, 30% thinned. Alfalfa hay prospects good--about 8% first crop harvested. Spring planted small grain about 50% jointed. Winter wheat 25% in the head, 35% booted, and 40% jointed. Fruit crop prospects good. Dryland soil moisture and range feed supplies becoming short.

VIRGINIA: Mild temperatures below normal with cloudy skies. Extremes: 94 to 40°. Heavy rainfall, daily over most areas averaged 1.90 in.

Fieldwork: 2.6 days suitable. Topsoil moisture: 67% adequate, 24% surplus, 9% short. Crops in

good condition. Corn cultivation, sidedressing continued. Application of pesticides progressed. Soybean plantings 53% complete, 1975 55%, average 40%. Barley harvest 8% combined, 1975 5%, average 1%. Small acreage of wheat, oats harvested. Insect problems increasing in small grains. Early yields of grains down slightly from 1975. Tobacco transplanting: Flue-cured 91%, 1975 86%, fire-cured 79%, 1975 71%, burley 85%, 1975 62%, sun-cured 77%, 1975 73%. First cutting hay short, improved conditions due to rain. Pasture, livestock good condition.

WASHINGTON: West: Temperatures 6 to 12° below normal. Precipitation varied; 1.00 in. above normal most areas, less than normal on coast.

Cool weather slowed field activity, crop growth. Planting cauliflower, cucumbers, corn pastures. Corn up. Winter wheat headed. Harvesting lettuce, spinach, radishes. Strawberry harvest soon. Pastures adequate.

East: Temperatures 5 to 12° below normal. Precipitation below normal.

Minor frost damage to ground crops. Some fruit loss. Corn, beans, range grass, forage crops, cereals, alfalfa growth slow. Wheat and barley in good condition though yellow spotting and yellow dwarf virus observed. Harvesting asparagus. Green peas to start soon. Sugarbeets thinned. Planting potatoes, alfalfa, pasture. Lambs and calves coming to market.

WEST VIRGINIA: Temperatures below normal, central, normal elsewhere. Precipitation above normal south, below normal northeast and normal elsewhere.

Soil moisture adequate. Fieldwork: 3.1 days suitable. Haymaking and gardening active. Condition of growing crop mostly fair. Corn 95% planted. Emerged: 97% spring oats; 94% potatoes.

Tobacco acreage 40% set. First hay cutting 15% complete. Heading: Barley 79%; wheat 61%. Livestock in good condition.

WISCONSIN: Warm, dry. Temperatures 2° above normal. Highs in 70's and 80's, lows in 40's and 50's. Rainfall very light, few scattered showers north central and northeast early 31st but none elsewhere.

Crops need moisture urgently. Soil moisture supplies 75% short, 25% adequate. East central and southeast in better shape on moisture, northwest and west very dry. First crop hay 7% harvested, 1975 5%, normal 3%. Good quality but tonnage down due to poor growing weather in May. Hay growth very short northwest. Pasture condition well below normal, poorest for early June in many years. Corn needs moisture to go with warm temperatures. Dry soils limiting effectiveness of herbicides. Small grains need rain. Winter wheat and rye heading. Soybeans 85% planted, 1975 80%, normal 65%. Tobacco fields readied for planting. Vegetables and potatoes receiving full irrigation. Good set on apple trees. Strawberries setting fruit. Insect activity accelerated with warmer weather.

WYOMING: Temperatures well above normal. Precipitation below normal.

Planting: Dry beans 71% completed, 60% 1975; potatoes 84%, 62% 1975. All other crops planted. Topsoil moisture 42% short, 58% adequate, 0% surplus. Subsoil moisture 54% short, 46% adequate, 0% surplus. Winter wheat 25% headed, prospects good. Spring wheat, oats, barley, sugarbeets, corn stands good. Most crops emerged. Potatoes and dry beans only half emerged with 25% of these crops planted during last week. Livestock moved to summer range. Lambing and shearing virtually completed.

World Weather and Crop Update

Drought held on last week in France, southern England, Belgium, and the Netherlands but eased elsewhere in northern Europe. Dry weather was tempered by moderate temperatures. Italy picked up useful rain after a relatively dry May. And parts of East Europe also perked up from showers. Most of European USSR received rain of consequence with particularly good amounts in Moldavia and the Ukraine (except for the Crimea). The Urals, Kazakhstan, and eastern Oblasts of West Siberia were dry.

The first week of June brought much needed rain to the Canadian Prairies and parts of adjacent Montana and North Dakota. However, much of the U. S. spring wheat region remained dry. Record low temperatures in the U. S. Pacific Northwest harmed fruits, vegetables, hops, and tender field crops.

In Luzon in the Philippines, Typhoon Olga caused much flood damage and disrupted transportation. Crop damage was minimal because it was not a vulnerable time of year. At the same

time, rains from the typhoon relieved dry conditions and benefited coconuts and sugarcane in particular.

Spotty showers that fell in the North and Northeast People's Republic of China did not seriously impair winter wheat harvest. Peking received about 1½ inches, the first rain of consequence in many months. Rainfall increased in broad areas of India and Pakistan as a tropical disturbance ushered in the summer monsoon.

Scattered light showers in the southeastern wheat regions of Australia were insufficient to stimulate much additional planting. Major wheat areas of Argentina and Brazil also received showers last week along with considerably cooler weather. Subfreezing temperatures were common June 6-7 in Argentina, but did not reach critical levels in Brazil. In Chile, much of the central and northern areas received little or no useful rain this year. Although below normal conditions south of Concepcion permitted planting of wheat and rape.

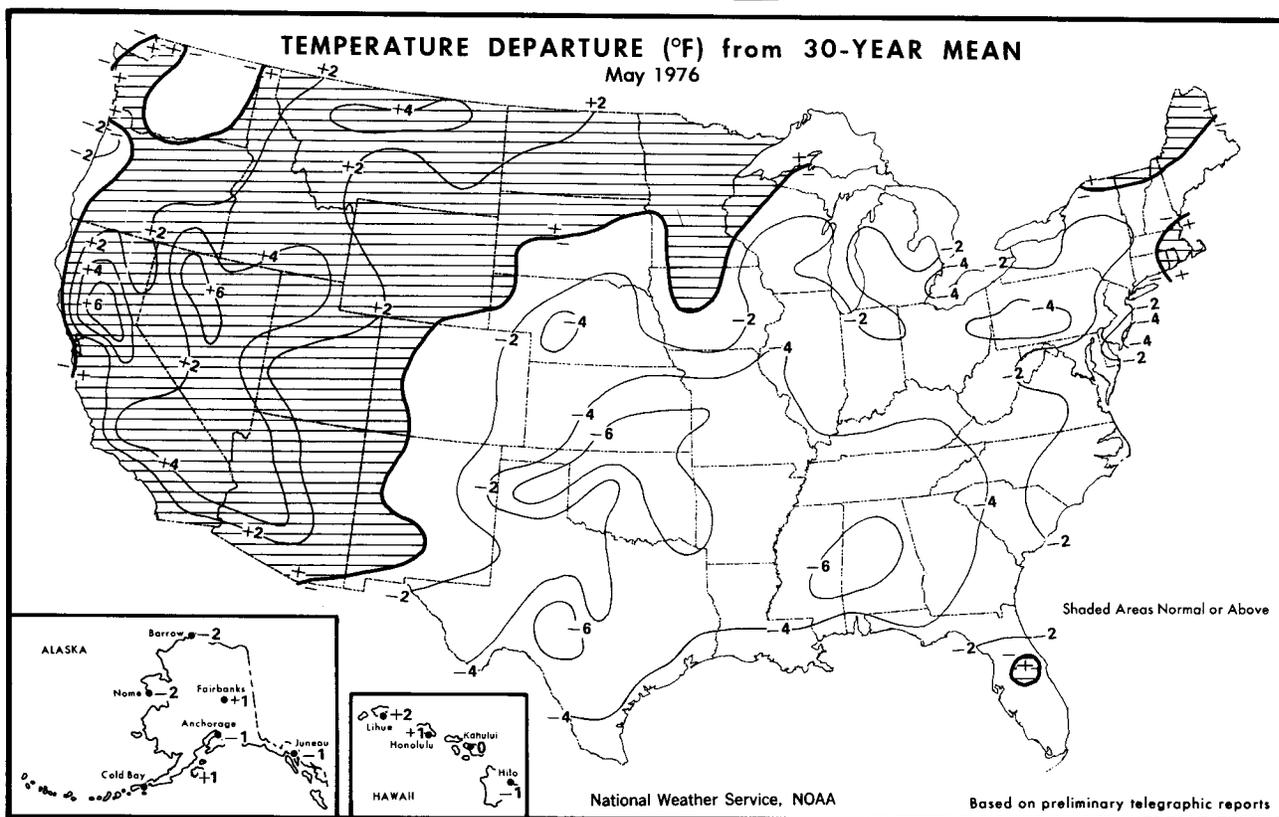
Heating Degree Days (Base 65° F.)

May 1976

ALA. Birmingham	65	MAINE, Caribou	426	OKLA. Okla. City	100
Mobile	0	Portland	389	Tulsa	109
Montgomery	33	MD. Baltimore	133	OREG. Astoria	384
ALASKA, Anchorage	615	MASS. Boston	166	Burns U.	340
Barrow	1477	Chatham	319	Medford	238
Fairbanks	527	MICH. Alpena	430	Pendleton	206
Juneau	597	Detroit	269	Portland	258
Nome	646	Flint	322	Salem	356
ARIZ. Flagstaff	983	Grand Rapids	342	PA. Allentown	219
Phoenix	370	Houghton Lake	434	Erie	386
Tucson	0	Lansing	338	Harrisburg	193
Winslow	5	Marquette U	506	Philadelphia	119
Yuma	93	S. Ste. Marie	534	Pittsburgh	301
ARK. Fort Smith	0	MINN. Duluth	440	Scranton	165
Little Rock	80	Internat'l Falls	420	R. I. Providence	223
CALIF. Bakersfield	70	Minneapolis	198	S. C. Charleston	15
Eureka U.	0	Rochester	283	Columbia	26
Fresno	10	St. Cloud	303	Greenville	85
Los Angeles U	32	MISS. Jackson	18	S. DAK. Aberdeen	245
Red Bluff	0	Meridian	51	Huron	306
Stockton	42	MO. Columbia	193	Rapid City	295
San Diego	16	Kansas City	178	Sioux Falls	261
San Francisco	222	St. Louis	158	TENN. Chattanooga	87
COLO. Denver	254	Springfield	186	Knoxville	48
Grand Junction	122	MONT. Billings	265	Memphis	58
Pueblo	175	Glasgow	215	Nashville	94
CONN. Bridgeport	215	Great Falls	250	TEX. Abilene	39
Hartford	213	Havre	217	Amarillo	171
D. C. Washington	80	Helena	330	Austin	3
FLA. Apalachicola	0	Kalispell	356	Beaumont	0
Ft. Myers	0	Miles City	194	Brownsville	0
Jacksonville	9	Missoula	302	Corpus Christi	0
Key West	0	NEBR. Grand Island	198	Del Rio	5
Lakeland U.	0	Lincoln	206	El Paso	26
Miami	0	Norfolk	191	Fort Worth	20
Orlando	0	North Platte	363	Galveston U.	0
Daytona Beach	0	Omaha	177	Houston	7
Tallahassee	4	Valentine	268	Lubbock	57
Tampa	0	NEV. Ely	346	Midland	38
GA. Atlanta	48	Las Vegas	1	San Angelo	30
Augusta	29	Reno	224	San Antonio	2
Macon	17	Winnemucca	139	Victoria	0
Savannah	11	N. H. Concord	356	Waco	6
IDAHO, Boise	189	N. J. Atlantic City	252	Wichita Falls	40
Lewiston	173	Trenton U	142	UTAH, Blanding R	---
Pocatello	219	N. MEX. Albuquerque	99	Salt Lake City	112
ILL. Cairo U.	76	Roswell	159	VT. Burlington	331
Chicago	264	N. Y. Albany	315	VA. Lynchburg	132
Moline	235	Binghamton	374	Norfolk	62
Peoria	221	Buffalo	358	Richmond	78
Rockford	296	New York	134	Roanoke	126
Springfield	188	Rochester	300	WASH. Colville	349
IND. Evansville	139	Syracuse	329	Omak	---
Fort Wayne	225	N. C. Asheville	168	Quillayute	460
Indianapolis	203	Charlotte	68	Seattle-Tacoma	265
South Bend	253	Greensboro	74	Spokane	317
IOWA, Burlington	212	Hatteras R.	52	Walla Walla U.	173
Des Moines	160	Raleigh	52	Yakima	267
Dubuque	294	Wilmington	32	W. VA. Beckley	241
Sioux City	218	N. DAK. Bismarck	288	Charleston	142
KANS. Concordia	175	Fargo	287	Huntington	125
Dodge City	181	Williston U	272	Parkersburg U.	167
Goodland	259	OHIO. Akron-Canton	308	WIS. Green Bay	394
Topeka	178	Cincinnati U.	28	Madison	333
Wichita	173	Cleveland	309	Milwaukee	382
KY. Lexington	158	Columbus	229	WYO. Casper	346
Louisville	111	Dayton	203	Cheyenne	425
LA. Baton Rouge	0	Toledo	277	Lander	316
Lake Charles	0	Youngstown	313	Sheridan	329
New Orleans	0				
Shreveport	17				

Preliminary reports from airport locations, except those marked U for urban and R for rural.

*Estimated.



May Weather Summary

HIGHLIGHTS: Most of eastern U.S. accumulated substantial rainfall during May. Excessive amounts produced small stream flooding in the Southeast and in eastern Texas. A cloudburst in and around Tulsa, Okla. caused substantial damage. In contrast, some important agricultural areas looked back on another month of comparatively dry weather. Areas from southwestern Ohio into west central Pennsylvania measured only half of normal precipitation. Dryness also plagued the northern Great Plains and upper Mississippi Valley, especially the eastern Dakotas and all but the southeastern tip of Minnesota where rainfall was less than one-third of normal. From the southern Rockies to the Great Lakes and eastward, cool weather that prevailed retarded crop growth following a good start from warm weather in April.

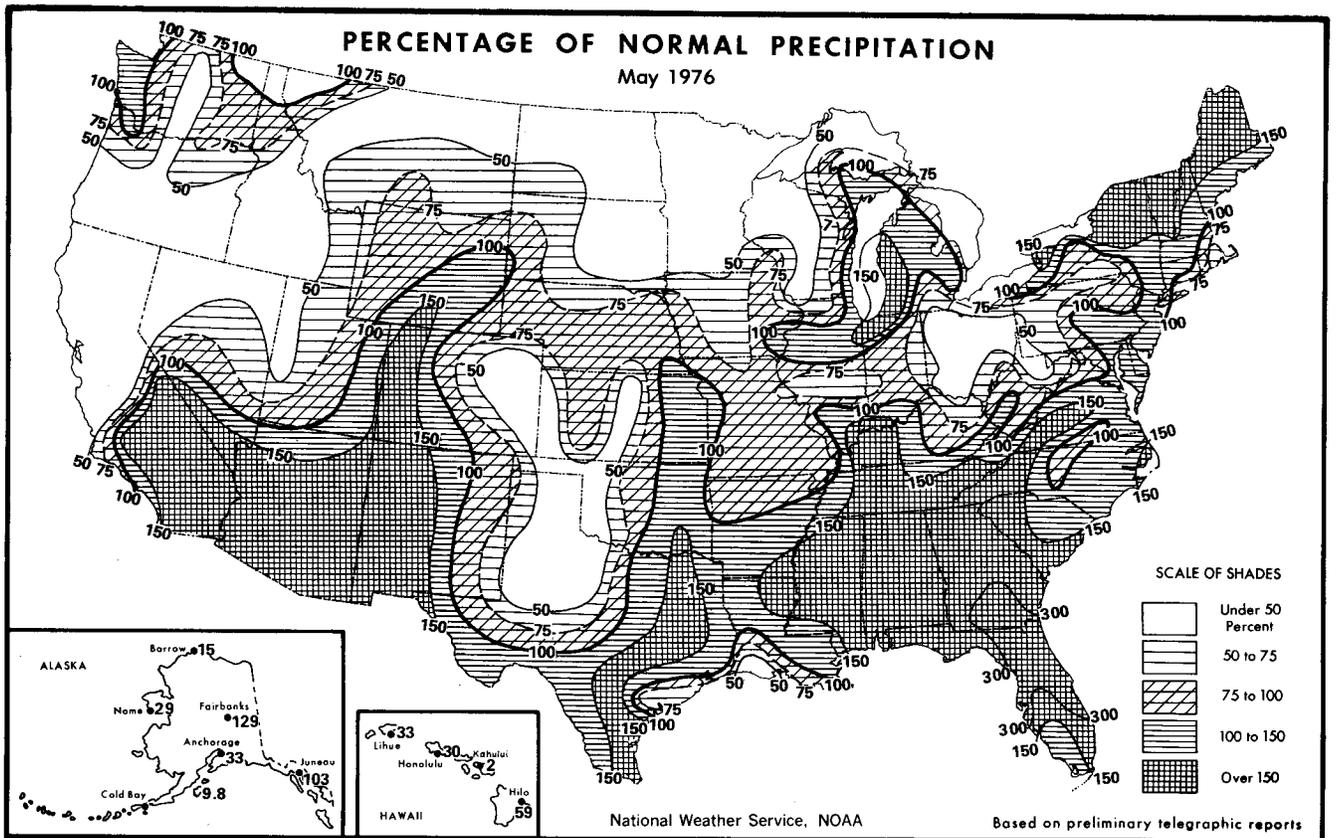
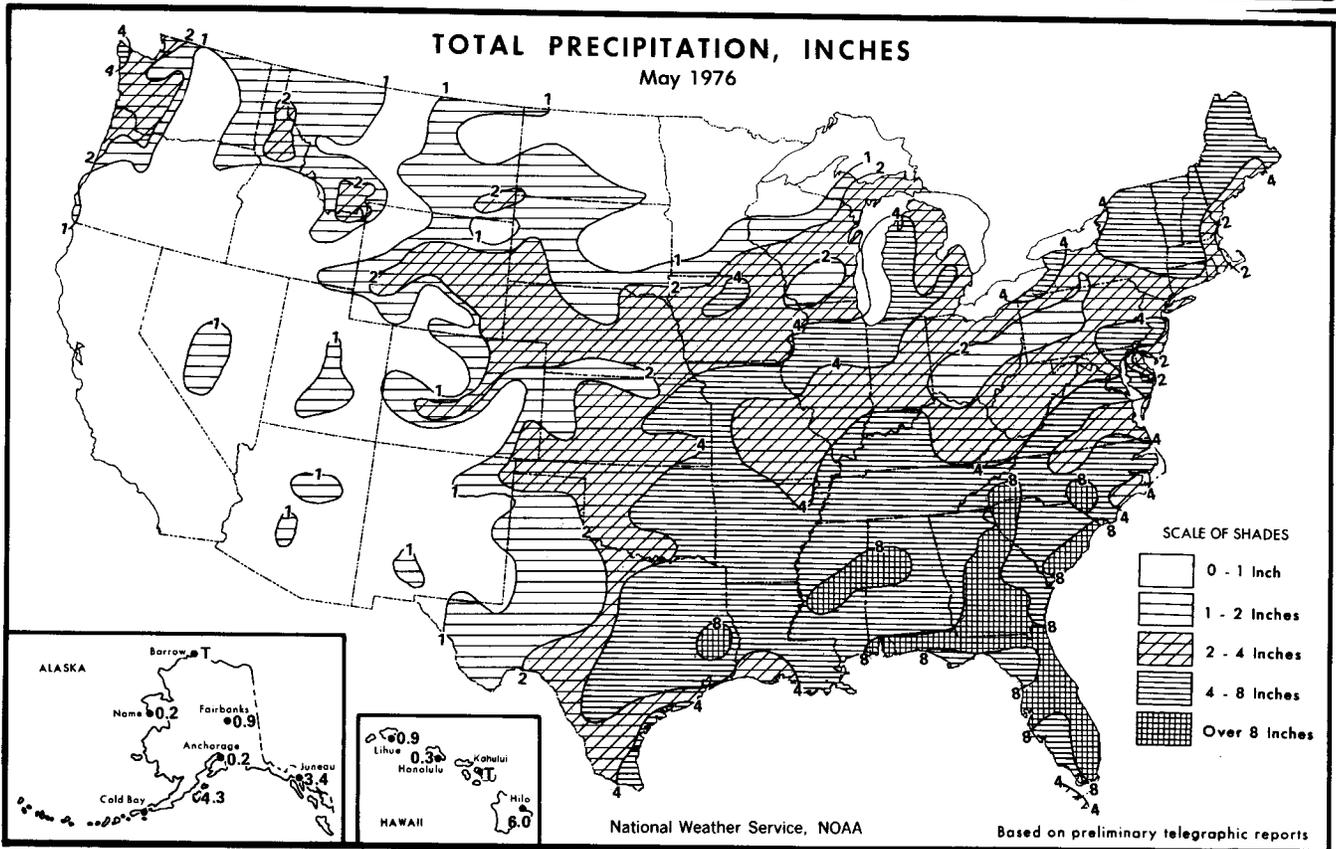
Early in May a large polar outbreak moving southward and eastward spread record breaking cold air across all of the Nation east of the Continental Divide. Temperatures in central U.S. sank 9 to 10° below normal. Little or no precipitation occurred until the front met the warm, moist air in the central Plains. Varying amounts of rain were produced from that point, but most fell from Kansas to the Great Lakes region and in the south central States. The northern Plains, though badly in need of moisture, recorded only a trace of rain. In the Far West light rainfall occurred as showers in southern California, but the State remained generally dry. In contrast, the southern Plateau and Rockies had moderate showers. Cool, wet weather in the South slowed germination of cotton.

During May 10-16 cool weather persisted in the

southern Plains, lower Mississippi Valley, and mid-South. Temperatures averaged as much as 6° below normal in Oklahoma and Texas. The rest of the Nation climbed to above normal temperatures. Some areas in California were as much as 12° above normal. Heaviest precipitation during the week occurred as showers and thundershowers just west of the Mississippi River and in the Southeast. Interior portions of the South took the worst beating from a midweek barrage of severe weather.

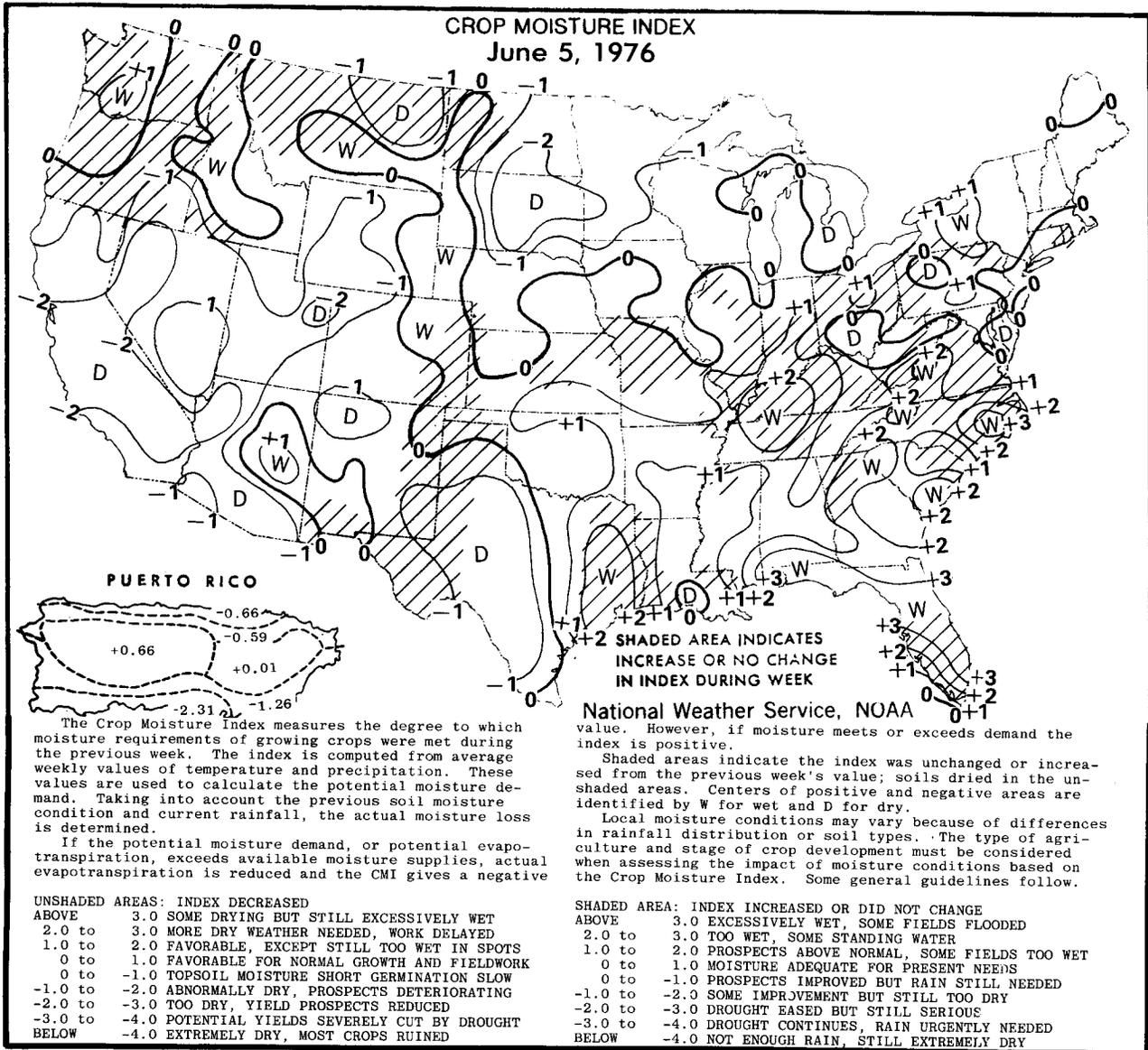
Just after mid-May a massive high pressure system dominated most of eastern U.S. The return circulation on its back side brought warm, moist air northward into the Plains, triggering thunderstorms and severe weather. Around the perimeter of the high pressure, New England and southeastern U.S. also received moderate precipitation. As the cold air mass characterizing the high pressure system moved southward and eastward during the week, temperatures skidded into the 20's and 30's in the northern and central Plains. The Plains warmed later in the week but the South and East remained below normal. Meantime, the Plateau and the Rockies averaged above normal temperatures.

Cool weather continued to dominate the East at the end of the month, as more polar air moved into the Nation from central Canada. The West Coast and the Pacific Northwest also averaged below normal weekly temperatures. Some rain fell in most areas east of the Rockies. Even moisture-starved Minnesota recorded totals of up to an inch in the southern portion. In other areas east of the mountains, thunderstorms and severe weather were common most of the week but tapered off to mostly mild weather as the month ended.



Temperature and Precipitation Data for May 1976

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 . . .	64	-7	9.0	+ 5.4	La. Baton Rouge . . .	71	-4	4.9	+ .5	Youngstown . . .	55	-3	1.6	-2.3
Mobile . . .	73	-2	11.1	+ 6.6	Lake Charles . . .	72	-3	2.4	-2.7	OKLA., Okla. City . . .	64	-4	4.4	- .8
Montgomery . . .	66	-6	6.8	+ 3.3	New Orleans . . .	72	-3	5.6	+1.4	Tulsa . . .	63	-6	6.8	+1.7
ALASKA, Anchorage . . .	45	-1	.2	- .4	Shreveport . . .	68	-5	6.0	+1.0	OREG., Astoria . . .	53	+1	2.2	- .5
Barrow . . .	17	-2	T	- .2	MAINE, Caribou . . .	51	+1	5.1	+2.1	Burns . . .	54	+2	.4	- .6
Fairbanks . . .	48	+1	.9	+ .2	Portland . . .	52	-1	4.0	+ .7	Medford . . .	57	0	.1	-1.3
Juneau . . .	46	-1	3.4	+ .1	MD., Baltimore . . .	62	-2	5.0	+1.4	Pendleton . . .	59	0	.9	- .3
Kodiak . . .	44	+1	5.3	- .1	MASS., Boston . . .	60	+1	2.0	-1.5	Portland . . .	57	0	2.3	+ .2
Nome . . .	33	-2	.2	- .5	Chatham . . .	54	-	1.7	-	Salem . . .	53	-3	1.3	- .8
ARIZ., Flagstaff . . .	53	+3	1.6	+ 1.0	MICH., Alpena . . .	51	0	2.4	- .3	PA., Allentown . . .	58	-2	3.1	- .7
Phoenix . . .	81	+5	1.1	+ 1.0	Detroit . . .	53	-5	3.3	0	Erie . . .	53	-2	4.2	+ .6
Tucson . . .	75	+1	.2	+ .1	Flint . . .	55	-1	4.2	+1.1	Harrisburg . . .	59	-4	5.4	+1.6
Winslow . . .	63	0	1.1	+ .8	Grand Rapids . . .	54	-3	6.6	+3.4	Philadelphia . . .	63	0	4.4	+1.0
Yuma . . .	80	+1	.1	+ .1	Houghton Lake . . .	51	-2	2.9	+ .1	Pittsburgh . . .	56	-4	2.0	-1.6
ARK., Fort Smith . . .	64	-6	4.9	- .6	Lansing . . .	54	-3	2.5	- .8	Scranton . . .	57	-2	3.2	- .6
Little Rock . . .	65	-5	5.6	+ .3	Marquette . . .	49	-1	3.0	+ .1	R.I., Providence . . .	58	+1	2.5	-1.0
CALIF., Bakersfield . . .	75	+5	.6	+ .4	Muskegon . . .	52	-3	5.1	+2.4	S.C., Charleston . . .	70	-2	8.9	+5.1
Eureka . . .	52	-1	.5	- 1.6	S. Ste. Marie . . .	48	-1	2.2	- .8	Columbia . . .	69	-3	4.6	+1.2
Fresno . . .	70	+3	T	- .3	MINN., Duluth . . .	51	+2	.2	-3.2	Greenville . . .	63	-6	8.1	+5.1
Los Angeles . . .	65	0	.1	0	Internat Falls . . .	51	+1	.2	-2.6	S.D., Aberdeen . . .	57	+1	.5	-2.1
Red Bluff . . .	72	+5	T	- 1.0	Minneapolis . . .	59	+2	1.1	-2.3	Huron . . .	55	-2	.6	-2.2
San Diego . . .	65	+2	.3	+ .1	Rochester . . .	56	0	2.1	-1.4	Rapid City . . .	55	0	2.7	- .1
San Francisco . . .	58	0	T	- .4	St. Cloud . . .	55	0	1.1	-3.5	Sioux Falls . . .	57	-1	1.0	-2.4
Stockton . . .	66	+1	0	- .4	MISS., Jackson . . .	68	-5	8.0	+3.6	TENN., Chattanooga . . .	64	-5	5.9	+2.5
COLO., Denver . . .	57	0	1.3	- 1.3	Meridian . . .	65	-7	6.3	+2.5	Knoxville . . .	63	-5	5.5	+2.2
Grand Junction . . .	62	0	1.5	+ .9	MO., Columbia . . .	59	-5	3.7	-1.0	Memphis . . .	66	-5	4.7	+ .3
Pueblo . . .	60	-1	.7	- 1.0	Kansas City . . .	60	-5	5.5	+1.2	Nashville . . .	64	-5	6.2	+2.1
CONN., Bridgeport . . .	57	-1	3.2	- .4	St. Louis . . .	61	-5	3.9	0	TEX., Abilene . . .	68	-4	1.0	-2.9
Hartford . . .	58	0	4.5	+ 1.0	Springfield . . .	60	-5	3.8	-1.1	Amarillo . . .	60	-6	1.4	-1.4
D.C., Washington . . .	65	-1	3.6	- .1	MONT., Billings . . .	56	+1	1.9	- .2	Austin . . .	71	-4	6.0	+2.0
FLA., Apalachicola . . .	71	-4	4.7	+ 1.9	Glasgow . . .	58	+4	.6	- .7	Beaumont . . .	72	-3	6.4	+1.5
Daytona Beach . . .	73	-2	12.3	+ 9.6	Great Falls . . .	57	+4	.9	-1.5	Brownsville . . .	76	-3	5.0	+2.5
Ft. Myers . . .	77	-1	5.2	+ 1.2	Havre . . .	58	+3	.7	- .8	Corpus Christi . . .	74	-4	6.0	+2.8
Jacksonville . . .	71	-3	10.0	+ 6.8	Helena . . .	54	+2	.9	- .9	Dallas . . .	-	-	-	-
Key West . . .	81	0	2.6	+ .1	Kalispell . . .	53	+2	1.8	0	Del Rio . . .	73	-5	2.8	+ .4
Lakeland . . .	77	0	8.0	+ 4.6	Miles City . . .	59	+3	1.2	- .9	El Paso . . .	70	-2	.7	+ .4
Miami . . .	78	0	10.4	+ 4.3	Missoula . . .	55	+3	.8	- .9	Fort Worth . . .	69	-4	6.0	+1.5
Orlando . . .	77	+1	10.4	+ 7.5	NEBR., Grand Island . . .	59	-2	3.2	- .6	Galveston . . .	73	-3	2.2	-1.0
Tallahassee . . .	72	-3	11.7	+ 7.7	Lincoln . . .	59	-3	3.4	- 1.1	Houston . . .	71	-5	5.8	+ .7
Tampa . . .	76	-1	8.1	+ 5.7	Norfolk . . .	60	0	3.5	- .2	Lubbock . . .	66	-3	1.2	-2.0
W. Palm Beach . . .	77	-1	15.3	+10.1	N. Platte . . .	53	-5	2.9	- .4	Midland . . .	69	-3	1.1	-1.1
GA., Atlanta . . .	65	-4	7.0	+ 3.3	Omaha . . .	60	-1	3.6	- .4	San Angelo . . .	69	-6	1.8	- .9
Augusta . . .	68	-4	6.1	+ 2.7	Valentine . . .	57	0	1.6	-1.2	San Antonio . . .	71	-5	5.8	+2.7
Macon . . .	69	-5	8.2	+ 4.6	NEV., Ely . . .	54	+4	.5	- .4	Victoria . . .	73	-4	2.6	-1.4
Savannah . . .	70	-3	6.3	+ 2.1	Las Vegas . . .	78	+5	.3	+ .2	Waco . . .	71	-4	5.0	+ .4
HAWAII, Hilo . . .	73	-1	6.0	- 4.1	Reno . . .	57	+2	.1	- .6	Wichita Falls . . .	68	+4	2.3	-2.3
Honolulu . . .	78	+1	.3	- .7	Winnemucca . . .	61	+7	.4	- .5	UTAH, Blanding . . .	58	+1	.8	+ .2
Kahului . . .	75	0	T	- .6	N.H., Concord . . .	54	-1	3.9	+ .9	Salt Lake City . . .	62	+4	1.0	- .5
Lihue . . .	78	+2	.9	- 1.5	N.J., Atlantic City . . .	57	-5	3.6	+ .1	VT., Burlington . . .	55	0	5.9	+2.9
IDAHO, Boise . . .	59	+2	.5	- .8	Trenton . . .	61	-1	4.5	+1.1	VA., Lynchburg . . .	62	-3	5.3	+2.1
Lewiston . . .	60	+2	1.4	- .2	N.MEX., Albuquerque . . .	63	-2	.8	+ .3	Norfolk . . .	66	-1	3.7	+ .4
Pocatello . . .	58	+4	.5	- .8	Roswell . . .	69	0	.8	- .2	Richmond . . .	65	-2	3.8	+ .4
ILL., Cairo . . .	65	-4	4.7	- .5	N.Y., Albany . . .	55	-3	4.9	+1.6	Roanoke . . .	62	-2	6.1	+2.6
Chicago . . .	57	-3	4.0	+ .6	Binghamton . . .	53	-2	2.5	-1.3	WASH., Colville . . .	54	-1	1.7	+ .1
Moline . . .	58	-3	4.1	+ .2	Buffalo . . .	53	-2	4.7	+1.7	Omak . . .	-	-	-	-
Peoria . . .	58	-4	5.1	+ 1.2	New York . . .	62	0	3.9	+ .5	Quillayute . . .	50	-1	5.4	+ .7
Rockford . . .	55	-4	2.4	- 1.5	Rochester . . .	55	-2	2.6	- .2	Seattle-Tacoma . . .	56	+1	1.6	- .1
Springfield . . .	60	-3	2.0	- 1.5	Syracuse . . .	54	-3	7.4	+4.4	Spokane . . .	55	0	1.2	- .3
IND., Evansville . . .	62	-4	7.5	+ 3.1	N.C., Asheville . . .	60	-4	8.7	+5.4	Walla Walla . . .	60	0	1.2	- .4
Ft. Wayne . . .	58	-2	2.2	- 1.7	Charlotte . . .	65	-4	4.3	+1.4	Yakima . . .	56	-2	.1	- .5
Indianapolis . . .	59	-3	3.1	- 1.0	Greensboro . . .	64	-3	2.9	- .1	W.Va., Beckley . . .	57	-2	3.8	0
South Bend . . .	57	-1	6.7	+ 3.5	Hatteras . . .	67	0	5.2	+1.9	Charleston . . .	62	-3	3.7	+ .2
IOWA, Burlington . . .	59	-3	3.8	+ .2	Raleigh . . .	67	0	4.7	+1.4	Huntington . . .	63	-2	2.4	-1.4
Des Moines . . .	61	0	2.8	- 1.4	Wilmington . . .	70	-1	4.3	+ .3	Parkersburg . . .	61	-3	2.8	- .8
Dubuque . . .	55	-3	1.7	- 4.0	N.DAK., Bismarck . . .	56	+2	1.1	-1.1	WIS., Green Bay . . .	52	-3	2.4	- .7
Sioux City . . .	59	-2	3.1	- .4	Fargo . . .	56	+1	.5	-1.8	La Crosse . . .	56	-3	3.0	- .7
KANS., Concordia . . .	60	-3	1.6	- 2.6	Williston . . .	56	+2	.5	-1.1	Madison . . .	54	-2	2.0	-1.4
Dodge City . . .	60	-4	2.9	- .2	OHIO, Akron-Canton . . .	55	-4	1.2	-2.7	Milwaukee . . .	53	-1	3.8	+ .9
Goodland . . .	57	-2	1.2	- 1.3	Cincinnati . . .	60	-3	1.8	-1.9	WYO., Casper . . .	54	+1	2.7	+ .8
Topeka . . .	60	-5	4.6	+ .6	Cleveland . . .	55	-3	2.9	- .6	Cheyenne . . .	51	-1	2.1	- .4
Wichita . . .	60	-6	2.7	- .9	Columbus . . .	58	-3	1.4	-2.7	Lander . . .	55	+2	2.1	- .5
KY., Lexington . . .	61	-4	3.2	- 1.0	Dayton . . .	59	-3	1.9	-1.9	Sheridan . . .	54	+1	1.1	-1.4
Louisville . . .	63	-2	5.1	+ .9	Toledo . . .	56	-3	1.7	-1.6	P.R., San Juan . . .	80	+1	3.0	-3.5





FIRST CLASS MAIL

PLANTING PROGRESS

soybeans

	1976	1975	Avg
Ala.	59	77	74
Ark.	67	65	50
Ga.	57	71	66
Ill.	94	89	53
Ind.	90	85	50
Iowa	95	94	81
Kans.	40	50	45
Ky.	39	58	44
La.	70	44	65
Mich.	60	67	55
Minn.	95	96	87
Miss.	70	41	54
Mo.	75	76	58
Nebr.	90	80	70
N. C.	64	68	65
Ohio	95	90	75
S. C.	59	71	64
Tenn.	55	60	60
U. S.	80	77	63

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

sorghum

	1976	1975	Avg.
Colo.	80	38	57
Kans.	40	50	45
Mo.	72	76	62
Nebr.	90	80	70
Okla.	66	63	65
S. Dak.	66	76	63
Tex.	87	90	91
7-States	72	74	71

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

