

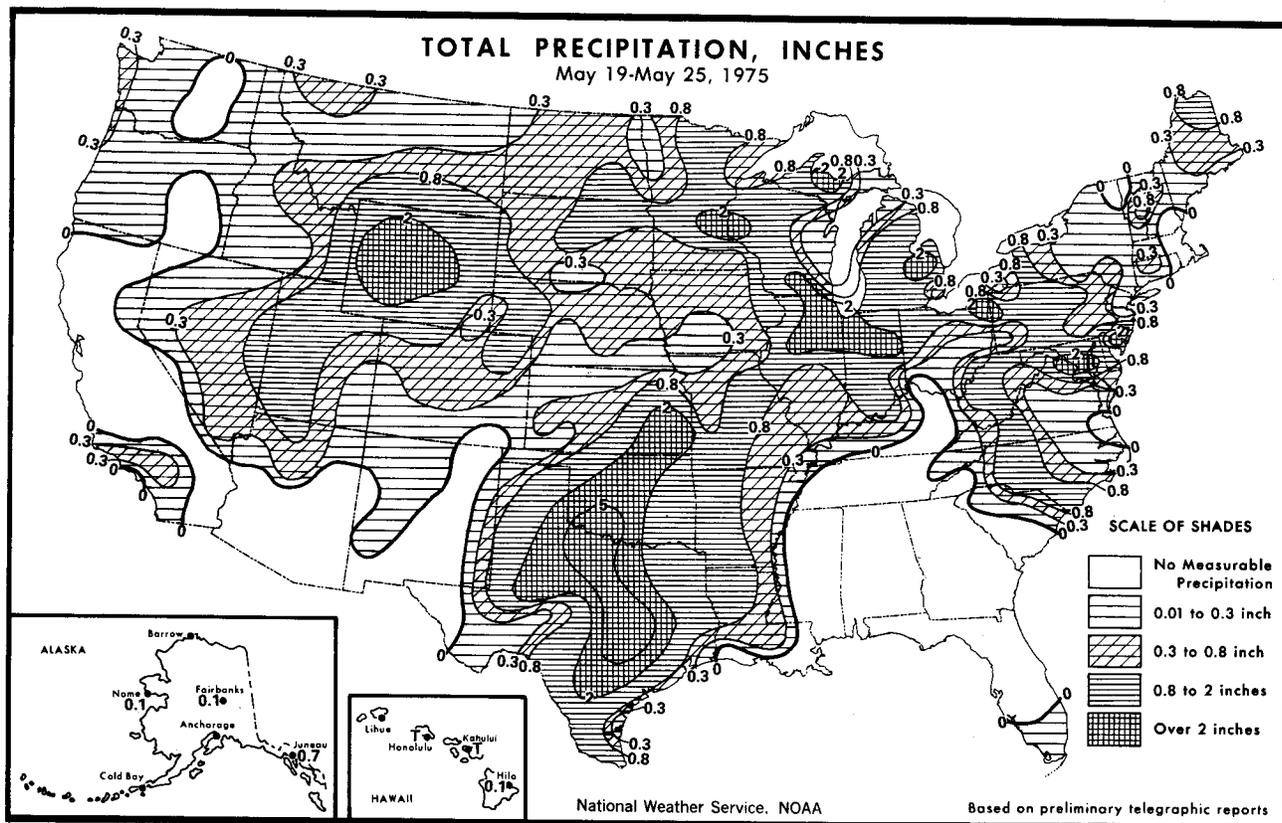
Weekly Weather & Crop Bulletin

U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

Volume 62, No. 21

May 28, 1975 Washington, D. C.



NATIONAL WEATHER SUMMARY

For the Week of May 19-25.

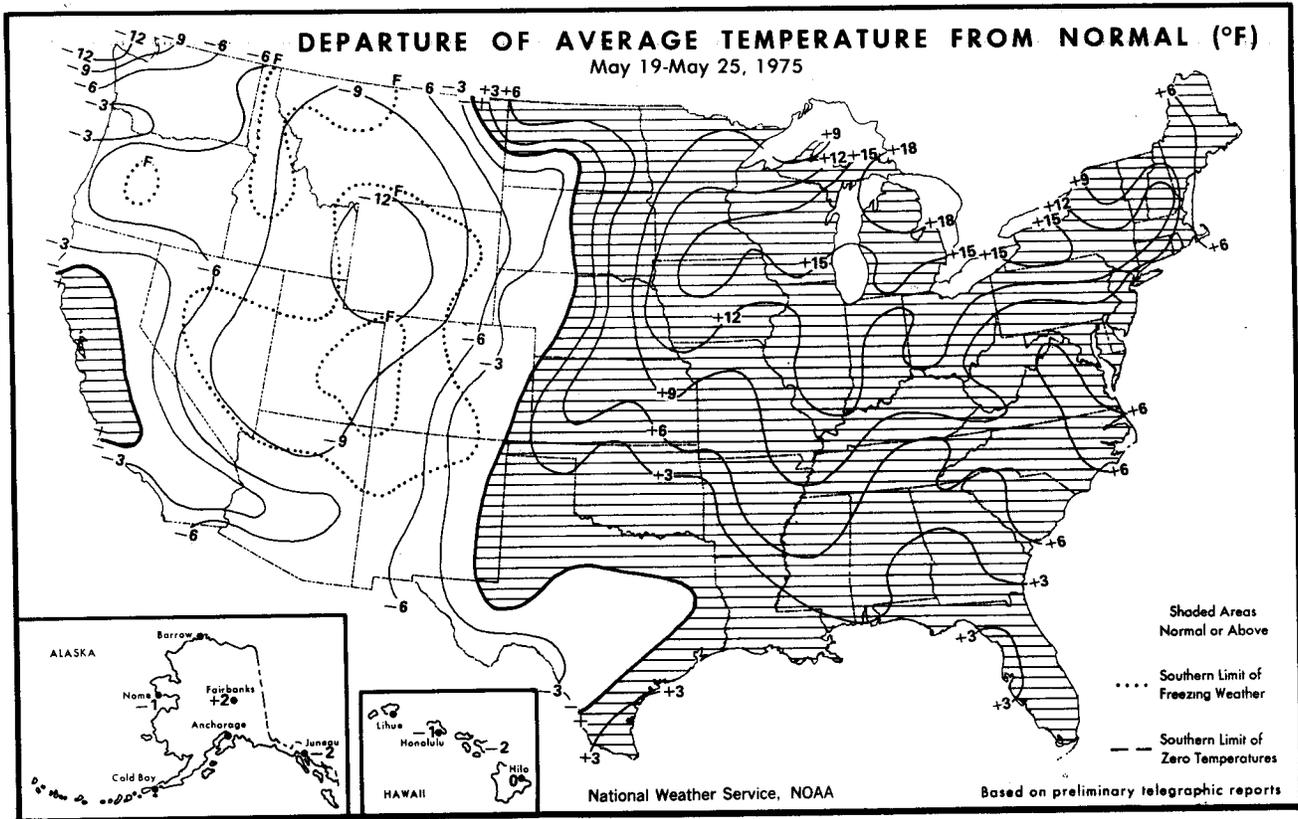
HIGHLIGHTS: Heavy snow fell in the central Rocky Mountains as unseasonable cold air flowed southward. In contrast, warm humid air moved northward from the Gulf of Mexico triggering severe weather from Texas to the Northern Plains and to the mid-Atlantic States. The mid-South and southeast got a welcome respite from the heavy rain that has flooded them in recent weeks.

PRECIPITATION: The week was ushered in early Monday with a thunderstorm hitting Lubbock, Texas. Winds of 70 mph were recorded. Thunderstorm activity was scattered over the upper Mississippi Valley and west Texas. Hail and tornado activity was reported over these areas. Elsewhere, cold rain and snow fell in the West and in the middle and northern Rockies extending eastward to North Dakota.

The contrast continued on Tuesday with snow drifts in Utah and tornadoes in the central part

of the Nation. Snow and cold rain fell in the Rocky Mountains as the winter-like storm held. Strong gusty winds and blowing dust occurred in southern California and across Arizona. In the warm humid air flowing north from the Gulf, thunderstorm activity was rekindled early in the day from north central Texas to the upper Mississippi Valley and eastward through Michigan, and into Pennsylvania. The activity developed into severe weather by the end of the day. Twenty one tornadoes were reported in the States of Texas, Arkansas, Iowa, Illinois, Minnesota and Michigan.

On Wednesday, snow - locally heavy - with cold wind provoked forecasts of more of the same in the western mountain areas. Lander, Wyoming had accumulated 18 inches of snow on the ground in spite of some melting. Showers dotted the Rocky Mountains and rain fell along the north Pacific coast. Rain and showers triggered by the storm



centered in Colorado spread into eastern Nebraska and the Dakotas. Thunderstorms continued to batter the North Central States. Tornadoes, hail and heavy rain hit Ohio and Michigan the hardest. Other thundershowers fell over Pennsylvania, New Jersey, Maryland and Delaware. Late in the day a line of thunderstorms developed in the Texas Panhandle and moved northeast into Oklahoma.

The two distinct weather patterns, cold in the West and warm and humid in the East, moved slowly eastward on Thursday. Most of the severe weather and heavy rain occurred in eastern Kansas, central Oklahoma and central Texas—just ahead of the advancing cool air although the area in eastern Nebraska and South Dakota north of the low had its share of tornado sightings. Scattered spots in Kentucky, Ohio, West Virginia and the Washington, D.C. area received hail and strong winds. The west had only light and widely scattered shower activity.

The cooler air was separated from the warm and humid air on Friday by a front from Lake Huron to a low in North Dakota and through western Iowa to west Texas. Severe weather including hail, tornadoes and high winds occurred in Texas and Minnesota. Thunderstorms were more widely scattered in Kansas, Missouri and from Illinois and Wisconsin into the middle Atlantic States. A line of instability extended from North Carolina into Virginia and triggered scattered thunderstorms in east Tennessee, Kentucky and eastward. A tornado was spotted in North Carolina. Some rain and a few snow showers occurred in Idaho and western Montana and in the Dakotas.

Another surge of cool air moved into the north-

ern and central Rockies on Saturday triggering more cold rain, snow and high winds. In the warm air, severe weather occurred from Texas and Louisiana northward to Illinois, Indiana and Michigan. Some scattered showers and thunderstorms also occurred along the Atlantic Coast States from North Carolina to southern New England. Late in the day showers developed in southern Florida.

On Sunday, precipitation was concentrated in eastern Kansas, northern Missouri, Iowa and Minnesota and eastward into Ohio. Some light rain or showers fell along the mid Atlantic Coast. Severe weather was generally confined to the east Central Plains and southern Great Lakes area.

TEMPERATURE: It was a week of sharp contrasts in temperature with records of both highs and lows being set. In general the same situation prevailed all week with cool air moving south into the Rockies and warm moist air moving north into the Plains and eastward from the Gulf of Mexico.

On Monday temperatures in the North Central States rose into the 90's breaking old records. Again on Wednesday, as snow piled up in Wyoming, record temperatures in the 90's were read in Michigan. On Thursday, a record low—the coldest so late in the spring—of 30° was recorded at Winslow, Ariz. and 97° (67° higher) produced a record high at Topeka, Kan.

On Friday 90° readings broke records in Vermont and New Hampshire. A low of 22° at Alamosa, Colo. broke the old record of 25°. Another surge of cool air on Saturday caused record low temperatures in Oregon and Idaho on Sunday morning. Late Sunday a warming trend began on the West Coast.

NATIONAL AGRICULTURAL SUMMARY

For the Week of May 19-25.

HIGHLIGHTS: Row crop planting continued to make excellent advancement. By May 25th, planting of this year's corn crop was 90% in the ground, much ahead of 1974 and average progress. Cotton was nearly three-fourths planted in the major Southern States. Soybean planting advanced sharply in most States and reached the halfway mark. Above normal temperatures in the eastern half of the Nation aided development of winter wheat and small grains. Winter wheat was 9% harvested in Texas.

SMALL GRAINS: Above normal temperatures over much of the eastern half of the Country boosted small grain development, but subnormal temperatures in the Western Great Plains and West limited progress.

Winter wheat harvest in Texas progressed well before rains interrupted. Harvest was 9% done, equaling the 1974 pace and slightly ahead of average. In Oklahoma, 47% of the wheat crop was in the dough stage, much behind 1974 and normal. Winter wheat development made excellent progress over most of Kansas with 85% of the crop headed, still behind 1974, but now ahead of the average 80%.

Winter wheat in Indiana was 45% headed; in Ohio over 50%; and in Illinois 85% was heading with 45% filling. Nebraska winter wheat was 70% jointed and 10% headed.

Spring wheat seeding in the five major States was nearly three-fourths finished, ahead of last year's level, but still behind the normal 84%. Spring wheat seeding ranged from 55% complete in Montana to virtually finished in South Dakota.

CORN: Excellent planting conditions prevailed over much of the major corn growing area enabling farmers to continue their rapid planting pace. By May 25th, 90% of the Nation's intended corn acreage was planted, considerably ahead of both the 75% in 1974 and the usual 79%.

Corn planting in the North Central States was 91% finished, far ahead of last year's rain soaked level of 73% and normal 78%. Planting was virtually complete in Iowa; 96% finished in Illinois, 95% in Ohio and 90% in Indiana, Kansas, and Nebraska. All States in this region were ahead of both the 1974 level and average except in Nebraska, where planting was 95% complete in 1974.

Corn planting was 92% done in the South Atlantic States and 85% finished in the South Central States. Both areas still trail last year's pace, but are ahead of normal.

COTTON: Cotton planting made good progress in most areas, but rain interrupted fieldwork in the Texas High and Low Plains. Planting in the 11 major Southern States was 75% finished by May 25th, trailing the 79% in 1974 but matching the usual 75%. Planting in Texas reached 70% complete unchanged from 1974 but short of the average 66%. Rains delayed planting, but the added moisture will aid the dry land crops. Elsewhere in the South, cotton planting neared completion except in Louisiana, Mississippi, Oklahoma, and Tennessee. Mississippi cotton was 78% planted, while the Louisiana crop was half done and Oklahoma nearly one-third complete.

In the West, cotton was virtually all planted. The New Mexico crop was 60% emerged. In Arizona, cotton had good growth, but was 2 to 6 weeks late. Cultivation was active in California.

SOYBEANS: Soybean growers took advantage of the good planting conditions and got nearly a third of their 1975 intended acreage in the ground during the past week. By May 25th, planting was 50% complete, much ahead of both the 30% in 1974 and normal 36%.

Planting advanced swiftly in the North Central States, where 62% was in, sharply ahead of the 25% in 1974 and the normal 37%. Planting ranged from 75% finished in Ohio to 25% in Michigan. All States in this region were ahead of 1974 and normal progress.

Planting was 43% done in the South Atlantic States and one-fourth finished in the South Central States.

OTHER CROPS: Sorghum planting made good progress and was 55% done in the 7 major sorghum States, ahead of 1974's 53% and the usual 48%. Planting in Texas reached 78% complete versus 71% in 1974. Kansas sorghum was 25% planted and Nebraska 45%.

Flue-cured tobacco was 36% transplanted in Virginia and 88% in North Carolina. Burley transplanting was underway in Kentucky; 19% done in Virginia; 28% in North Carolina; and 32% in Tennessee.

Peanut planting was 40% complete in Texas; 55% in Mississippi; 79% in Virginia; 85% in Alabama; and 91% in both North and South Carolina.

Potato planting was only 45% finished in Idaho versus 75% in 1974. In Minnesota and Michigan, planting was nearly two-thirds done.

FRUITS AND NUTS: Above normal temperatures in Michigan pushed fruit bloom and provided excellent pollinating conditions in New York. Peaches were in fair to good condition in North and South Carolina and harvest was increasing in Georgia and Texas.

Citrus groves in Florida need rain where new growth shows stress. Fruit was softening in most areas, but harvest continued active. Strong winds in California caused fruit drop and the development lag continues.

VEGETABLES: Vegetable planting for processing continued at a steady pace in the northern major growing areas. Direct seeding and transplanting cabbage were underway in New York. Harvest of asparagus was progressing in Michigan and lettuce harvest was underway in New Jersey.

Florida vegetables continued in good supply and watermelons and sweet corn were the volume leaders. In Texas, onion harvest continues to decline, but harvest of cucumbers, cantaloups, honeydew, peppers, and tomatoes continue. Harvest in California, was active on broccoli, cauliflower, carrots, celery, lettuce, and dry onions.

PASTURES AND LIVESTOCK: Warmer temperatures in the eastern half of the Nation greatly improved the pasture condition, however, cooler weather in the western half continued to limit growth. Cattle and sheep movement to summer ranges continues in several States. Rains boosted the range condition in much of Texas, while dry conditions in California are increasing the fire hazard.

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

May 25, 1975

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 . . .	76	+ 4	0	.8	La. Baton Rouge . . .	78	+ 2	.4	-.5	Youngstown . . .	71	+ 12	2.4	+1.6
Mobile . . .	79	+ 3	0	0	Lake Charles . . .	78	+ 2	T	-1.1	OKLA. Okla. City . . .	71	+ 1	3.0	+1.8
Montgomery . . .	76	+ 2	0	-.8	New Orleans . . .	77	+ 1	0	-1.0	Tulsa . . .	74	+ 4	1.3	+ .1
ALASKA. Anchorage . . .	---	---	---	---	Shreveport . . .	76	+ 1	1.0	-.1	OREG. Astoria . . .	50	- 3	.5	-.1
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	57	+ 5	2.0	+1.3	Burns . . .	46	- 8	T	-.3
Fairbanks . . .	53	+ 2	.1	0	Portland . . .	60	+ 5	.1	-.6	Medford . . .	54	- 5	.1	-.3
Juneau . . .	46	- 2	.7	-.1	MD. Baltimore . . .	73	+ 7	1.2	+ .4	Pendleton . . .	55	- 5	.1	-.2
Kodiak . . .	---	---	---	---	MASS. Boston . . .	66	+ 5	0	-.8	Portland . . .	58	0	.1	-.4
Nome . . .	37	- 1	.1	0	Chatham . . .	56	- 0	---	---	Salem . . .	57	- 6	.2	-.7
ARIZ. Flagstaff . . .	45	- 7	.7	+ .6	MICH. Alpena . . .	70	+18	1.5	+ .9	PA. Allentown . . .	72	+ 10	.5	-.3
Phoenix . . .	75	- 3	0	0	Detroit . . .	72	+12	.8	0	Erie . . .	71	+ 14	.2	-.6
Tucson . . .	68	- 7	0	0	Flint . . .	73	+15	2.1	+1.4	Harrisburg . . .	73	+ 8	.6	-.3
Winslow . . .	58	- 6	0	-.1	Grand Rapids . . .	72	+13	1.6	+ .9	Philadelphia . . .	73	+ 8	.9	+ .1
Yuma . . .	73	- 7	0	0	Houghton Lake . . .	72	+ 7	1.5	+ .9	Pittsburgh . . .	70	+ 8	.1	-.7
ARK. Fort Smith . . .	74	+ 2	1.2	0	Lansing . . .	73	+14	1.2	+ .4	Scranton . . .	73	+12	.8	0
Little Rock . . .	78	+ 7	.5	-.7	Marquette . . .	64	+12	2.2	+1.5	R.I. Providence . . .	68	+ 9	0	-.8
CALIF. Bakersfield . . .	72	+ 1	T	0	Muskegon . . .	69	+12	1.1	+ .5	S.C. Charleston . . .	79	+ 6	0	-1.0
Eureka . . .	50	- 3	T	-.4	S. Ste. Marie . . .	69	+18	.2	-.5	Columbia . . .	80	+ 7	0	-.8
Fresno . . .	68	- 1	T	0	MINN. Duluth . . .	61	+10	.7	-.1	Greenville . . .	74	+ 3	T	-.6
Los Angeles . . .	61	- 4	0	0	Internatl Falls . . .	58	+ 6	1.1	+ .4	S.D. Aberdeen . . .	63	+ 5	1.1	+ .5
Red Bluff . . .	70	+ 1	0	-.2	Minneapolis . . .	73	+14	2.7	+1.9	Huron . . .	65	+ 6	.6	-.1
San Diego . . .	61	- 3	T	0	Rochester . . .	74	+16	.1	-.7	Rapid City . . .	51	- 6	.8	+ .1
San Francisco . . .	60	+ 1	0	-.1	St. Cloud . . .	69	+12	1.9	+1.0	Sioux Falls . . .	69	+ 9	.4	-.4
Stockton . . .	69	+ 2	0	-.1	MISS. Jackson . . .	78	+ 4	0	-1.0	TENN. Chattanooga . . .	72	+ 2	0	-.8
COLO. Denver . . .	53	- 6	.5	-.1	Meridian . . .	78	+ 4	0	-.8	Knoxville . . .	75	+ 5	.1	-.6
Grand Junction . . .	56	- 8	.3	-.2	MO. Columbia . . .	73	+ 7	1.4	+ .3	Memphis . . .	80	+ 8	0	-.9
Pueblo . . .	62	- 1	T	-.4	Kansas City . . .	75	+ 8	.3	-.7	Nashville . . .	76	+ 6	0	-.9
CONN. Bridgeport . . .	67	+ 7	T	-.8	St. Louis . . .	77	+10	.7	-.2	TEX. Abilene . . .	73	- 1	2.1	+1.2
Hartford . . .	73	+13	.6	-.2	Springfield . . .	73	+ 6	.9	-.2	Amarillo . . .	69	+ 2	1.1	+ .4
D.C. Washington . . .	76	+ 8	2.4	+1.5	MONT. Billings . . .	46	-10	1.3	+ .8	Austin . . .	74	- 2	5.7	+4.8
FLA. Apalachicola . . .	78	+ 2	0	-.7	Glasgow . . .	49	- 7	.2	-.1	Beaumont . . .	79	+ 3	.2	-.9
Daytona Beach . . .	77	+ 1	0	-.7	Great Falls . . .	45	-10	.2	-.4	Brownsville . . .	84	+ 4	.9	+ .3
Ft. Myers . . .	81	+ 2	.1	-1.0	Havre . . .	50	- 7	.1	-.3	Corpus Christi . . .	82	+ 3	.2	-.6
Jacksonville . . .	77	+ 2	0	-.8	Helena . . .	45	- 9	.1	-.4	Del Rio . . .	76	- 3	.8	+ .2
Key West . . .	83	+ 2	.2	-.4	Kalispell . . .	45	- 7	.3	-.2	El Paso . . .	71	- 3	T	-.1
Lakeland . . .	79	+ 1	0	-.9	Miles City . . .	50	- 8	.7	+ .2	Fort Worth . . .	75	+ 1	2.1	+1.1
Miami . . .	79	0	T	-1.5	Missoula . . .	45	- 9	T	-.4	Galveston . . .	79	+ 2	.5	-.3
Orlando . . .	79	+ 2	0	-.8	NEBR. Grand Island . . .	70	+ 7	.7	-.2	Houston . . .	78	+ 1	1.2	0
Tallahassee . . .	78	+ 2	0	-1.0	Lincoln . . .	73	+ 9	.2	-.7	Lubbock . . .	71	+ 1	1.1	+ .3
Tampa . . .	82	+ 4	0	-.6	Norfolk . . .	71	+ 9	.7	-.2	Midland . . .	76	+ 2	1.6	+1.1
W. Palm Beach . . .	78	0	.1	-1.2	N. Platte . . .	59	- 1	T	-.8	San Angelo . . .	75	- 1	.3	-.3
GA. Atlanta . . .	76	+ 5	0	-.8	Omaha . . .	77	+14	.4	-.6	San Antonio . . .	75	- 2	3.0	+2.3
Augusta . . .	77	+ 4	0	-.8	Valentine . . .	58	- 1	.3	-.4	Victoria . . .	80	+ 2	1.6	+ .7
Macon . . .	77	+ 2	0	-.8	NEV. Ely . . .	43	- 9	.8	+ .6	Waco . . .	74	- 2	7.6	+6.6
Savannah . . .	80	+ 5	0	-1.0	Las Vegas . . .	68	- 7	.3	+ .3	Wichita Falls . . .	75	+ 1	5.8	+4.7
HAWAII. Hilo . . .	74	0	.3	-1.8	Reno . . .	54	- 2	.1	0	UTAH. Blanding . . .	51	- 8	T	-.1
Honolulu . . .	76	- 1	T	-.2	Winnemucca . . .	51	- 4	T	-.2	Salt Lake City . . .	49	- 11	.9	+ .6
Kahului . . .	74	- 2	T	-.1	N.H. Concord . . .	70	+13	0	-.7	VT. Burlington . . .	72	+ 5	0	-.7
Lihue . . .	---	---	---	---	N.J. Atlantic City . . .	70	+ 7	1.1	+ .3	VA. Lynchburg . . .	74	+ 7	T	-.8
IDAHO. Boise . . .	52	- 7	.1	-.2	Trenton . . .	73	+ 9	.1	0	Norfolk . . .	74	+ 6	T	-.8
Lewiston . . .	54	- 5	.1	-.3	N.MEX. Albuquerque . . .	61	- 6	.1	0	Richmond . . .	73	+ 5	.2	-.6
Pocatello . . .	46	-10	.2	-.1	Roswell . . .	69	- 1	0	-.2	Roanoke . . .	74	+ 8	.9	+ .1
ILL. Cairo . . .	81	+10	.3	+ .9	N.Y. Albany . . .	71	+11	.1	-.7	WASH. Colville . . .	52	- 4	0	-.4
Chicago . . .	75	+13	3.0	+2.2	Binghamton . . .	71	+14	T	-.9	Omak . . .	53	- 6	T	-.3
Moline . . .	74	+11	1.2	+ .3	Buffalo . . .	74	+17	1.2	+ .6	Quillayute . . .	49	-13	.6	-.3
Peoria . . .	74	+11	2.1	+1.3	New York . . .	70	+ 6	T	-.8	Seattle-Tacoma . . .	51	- 5	.1	-.3
Rockford . . .	74	+13	1.5	+ .6	Rochester . . .	73	+15	.4	-.2	Spokane . . .	50	- 6	T	-.4
Springfield . . .	77	+12	.7	-.1	Syracuse . . .	72	+13	T	-.7	Walla Walla . . .	56	- 6	T	-.4
IND. Evansville . . .	80	+13	.4	-.6	N.C. Asheville . . .	71	+ 6	0	-.8	Yakima . . .	55	- 4	T	-.1
Ft. Wayne . . .	72	+10	1.9	+1.0	Charlotte . . .	76	+ 6	1.1	+ .4	W.Va. Beckley . . .	69	+ 9	.8	-.1
Indianapolis . . .	75	+11	1.0	+ .1	Greensboro . . .	76	+ 7	1.6	+ .9	Charleston . . .	72	+ 6	1.7	+ .9
South Bend . . .	75	+15	1.1	+ .4	Hatteras . . .	73	+ 4	T	-.8	Huntington . . .	75	+ 9	.2	-.7
IOWA. Burlington . . .	75	+11	.4	-.4	Raleigh . . .	75	+ 6	.3	-.5	Parkersburg . . .	74	+ 8	.9	+ .1
Des Moines . . .	77	+14	.1	-.9	Wilmington . . .	79	+ 6	1.0	0	WIS. Green Bay . . .	72	+ 16	.2	-.5
Dubuque . . .	72	+12	1.1	0	N.DAK. Bismarck . . .	53	- 3	.7	+ .2	La Crosse . . .	75	+14	.8	-.1
Sioux City . . .	74	+11	.6	-.3	Fargo . . .	63	+ 6	.2	-.3	Madison . . .	75	+17	2.6	+1.8
KANS. Concordia . . .	73	+ 8	T	-1.0	Williston . . .	50	+ 6	.3	-.1	Milwaukee . . .	68	+12	.3	-.4
Dodge City . . .	72	+ 6	.2	-.6	OHIO. Akron-Canton . . .	72	+11	.7	-.2	WYO. Casper . . .	43	-11	2.3	+1.9
Goodland . . .	61	0	.1	-.5	Cincinnati . . .	77	+12	0	-.8	Cheyenne . . .	46	- 8	.3	-.3
Topeka . . .	76	+10	1.5	+ .6	Cleveland . . .	72	+12	2.0	+1.2	Lander . . .	41	-14	2.9	+2.3
Wichita . . .	71	+ 3	1.4	+ .6	Columbus . . .	75	+12	.3	+ .6	Sheridan . . .	45	-10	1.6	+1.0
KY. Lexington . . .	76	+10	.3	-.7	Dayton . . .	76	+12	.4	-.4	P.R. San Juan . . .	81	+ 1	.6	-.9
Louisville . . .	77	+11	1.4	+ .4	Toledo . . .	73	+12	1.9	+1.1					

Based on 1941-70 Normals

CORRECT MAY 18, 1975 SAN JUAN P.R. PRECIPITATION .3 -1.3.

Standard copy for the Weekly Weather and Crop Bulletin is prepared by: Dr. Richard E. Felch, Lyle M. Denny, Orus W. Byrd, National Weather Service, NOAA; DeLon Brown, Statistical Reporting Service, USDA.

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: Sunny, dry and warm. Most average readings 5 to 6° above normal. No rainfall.

Best week of season, 5 days suitable for fieldwork. Plowing 89% completed. Soil moisture adequate. Corn 86% planted, virtually all 1974, average 95%, fair to good. Cotton 93% planted, 1974 nearly 100%, average 95%. Peanuts 85% planted, 1974 97%, normally 100%. Soybeans 51% planted, 50% 1974, 39% average. Wheat 78% turning color, 24% harvested, 12% 1974. First cutting hay 24% completed. Most crops good.

ALASKA: Precipitation near to above normal in Tanana Valley. Temperatures were cooler than normal. In Matanuska Valley and Kenai Peninsula light rain fell. Temperatures were below normal. Unseasonably cold weather continued at Kodiak. Precipitation has been well above normal.

Soil moisture supply mostly adequate throughout railbelt area. Grass growth good throughout Railbelt.

ARIZONA: Rain north, snow above 7,000 ft. Strong winds. Temperatures 5 to 8° below normal. Temperatures fell near record levels.

Cotton good growth, 2 to 6 weeks late. Small grains and safflower good progress. Harvest wheat continued Yuma, beginning central. Safflower heavy bloom. Harvest sugarbeets nearing completion Yuma, full swing central. Beets for fall harvest good progress. Sorghum planting active. Harvest alfalfa hay full swing. Lettuce harvest complete Pima. Squash, onion, potato, spring carrot harvest underway Salt River Valley. Potato yields light. Watermelons, cantaloups 2 to 4 weeks late. Early peach picking market strong. Grapes sizing well. Valencia oranges, grapefruit harvest Maricopa, Yuma. Condition cattle, calves mostly good. Forage, runoff normal mountainous areas. Sheep, lambs good condition.

ARKANSAS: Average temperatures 3 to 7° above normal. Extremes: 94 and 52°. Rainfall 0.50 in. or more.

Soil moisture adequate to surplus except north. Fuel and fertilizer supplies adequate. Fieldwork 4.5 days favorable. Cotton planting 89% complete, 92% 1974, 85% average. Almost half of crop up to acceptable stand 83% 1974, 69% average. Early cotton cultivated and treated for thrips. Flooding early rice, herbicide and nitrogen applications made. Rice seeding 92% complete, 92% 1974, 89% average. Soybean planting getting started, 27% planted, 38% 1974, 29% average. Oats and wheat heading maturing rapidly. First cuttings cool season grasses and legumes neared completion. Pastures provided adequate forage. Cattle making good gains. Peaches sizing well.

CALIFORNIA: Precipitation scattered light showers Sierra Nevada 18th through 20th, southern coast 19th and 20th, and Central Valley 20th. Cooler trend midweek inland and warming end of week but little change along coast. Averages slightly above normal Central Valley, near normal elsewhere and central, and generally 3 to 8° below normal south.

Small grain harvest started. Sugarbeets doing well. Rice planting continues. Cotton cultivation active. Field corn and milo cultivated, good

growth. Alfalfa hay harvest continues. Fruit development lag continues. Strong winds caused fruit drop. Orange, avocado blooming. Broccoli, cauliflower good supply, quality, central coast. Carrots active Imperial Valley. Celery movement unchanged, lettuce strong, quality improving. Dry onion peak Desert. Potatoes stronger. Strawberries active all areas, excellent quality. Market tomatoes beginning Desert. Processing tomatoes good progress, local wind damage. Calving continues northeast. Cattle producers move stock herds to summer ranges. Cattle being marketed as range feed dries. Sheep south interior on desert range. Stock water ample. Fire hazard increasing.

COLORADO: Temperatures 1 to 7° below normal north and west. Highs 21st reaching only 40's west and 50's northeast. Lows 22d and 24th upper 20's to low 40's. Southeast and San Luis Valley normal. Precipitation 0.33 to 2.00 in. northwest, northeast and east central. Heaviest Sedgwick 2.20 and Wray 1.56 in. South generally less than 0.10 in.

Winter wheat good development, 17% headed, 63% 1974, 38% average. Moisture remains critical southeast. Sugarbeets 79% up to stand, 8% thinned, limited acreage replanted. Corn 86% seeded, 93% 1974, 85% average; 54% emerged, good condition. Fall potatoes 90% planted. Pinto beans 15% seeded, 5% 1974, 13% average. Alfalfa good condition, 1st cutting beginning southeast. Range and pastures poor southeast, critical need moisture, fair to good other areas.

FLORIDA: Partly cloudy, warm with isolated thundershowers. Temperatures averaged slightly above normal. Rainfall common only in south, amounts generally moderate to locally heavy. Soil moisture adequate west, parts north, mostly short central, south.

Corn and tobacco fair condition. Peanut planting about complete. Small grain harvest continues. Soybean planting, peach harvest, sugarcane cultivation and spraying active. Grazing conditions very poor to good, cattle, calves fair condition. Citrus groves need rain. New growth showing stress. Fruit softening most areas, harvest active. Vegetables continue good supply but declining volume. Season moving northward, harvest practically complete south. Watermelons, potatoes, sweet corn moving good volume. Supplies decline snap beans, cabbage, tomatoes. Season practically over escarole, lettuce.

GEORGIA: Slightly above normal temperatures. Generally dry week, most rainfall coming weekend.

Soil moisture mostly adequate except spot surpluses south. Fieldwork at high levels, 5 days suitable. Haying very active. Late crop plantings continued rapid pace. Cotton fair to good. Tobacco fair to good. Corn mostly good, considerable acreage being "laid by" south. Peanuts good. Applying insecticide and herbicides to cotton and peanuts. Soybeans good, 44% planted, 1974 53%, average 48%. Sorghum 24% planted, 1974 40%, average 32%. Wheat, 6% harvested, 1974 17%, average 14%. Oats 7% harvested, 1974 12%, average 14%. Peach harvest increasing. Vegetable crops late, showing improvement in quality. Cabbage,

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onions, squash, snap beans moving. Cattle and hogs good, face flies problem. cattle.

HAWAII: Weather generally warm and dry except Kona area.

Some cloudy periods and rains slowed crop progress in Kona. Cane crop affected by dry weather. Frequent sprayings and heavy irrigation continuing for vegetable crops. Supplies adequate. Melon production increasing seasonally. Papaya production on up swing. Banana supplies light. Pastures getting dry some areas. Pineapple harvesting getting active. Sugar harvest active.

IDAHO: Mild early then rather cold, warming again north and southwest late. Temperatures averaged 5° below normal. Maxima 60's to low 70's. Precipitation from a trace at Mountain Home to 1.50 at Twin Falls and Ashton.

Spring work feverish pace all areas except high elevation counties east. Winter wheat progress improved with condition fair to good. Some weather and chemical damage sugarbeets south central. Spring wheat 70% planted, 95% 1974. Spring barley 65% planted, 30% 1974. Sugarbeet planting virtually complete. Mixed grains and oats 85% and 65% planted. Potato plantings 45% complete, 75% 1974. Pasture grasses continue good top growth, still behind normal. Some losses cows from grass tetany east.

ILLINOIS: Temperatures averaged 9 to 13° above normal. Precipitation 1.50 to 3.00 "north, under 1.00" south. Heavy rains with severe storms 26th.

Fieldwork: 6 days suitable. Corn planting 96% complete, 65% 1974, average 77%. New plantings good to excellent condition. Soybean planting 71% complete, 10% 1974, average 34%. Planting most advanced central and east, least advanced extreme south. Winter wheat good to excellent; 85% heading, 100% 1974, average 92%, 45% filling, 63% 1974, average 58%. Oats fair to good; 10% heading, 20% 1974, average 13%. Hay crops good to excellent. First crop alfalfa hay 15% cut, 6% 1974, average 11%. Red clover 15% cut, 3% 1974, average 4%. Pastures good to excellent. Soil moisture 25% short, 71% adequate, 4% surplus.

INDIANA: Warm, showery north, hot and dry southwest. Temperatures averaged 12° above normal. Rainfall ranged 0.25 in. southwest to 4 in. upper central Indiana. Evaporation and soil temperatures above normal.

Fieldwork average 6 days. Topsoil, subsoil moisture mostly adequate. Corn 90% planted, 45% in 1974, 65% average. Corn 60% emerged, stands good. Soybeans 65% planted, 10% in 1974, 25% average. Soybeans 25% emerged. Wheat 45% headed, barley 85% headed, rye 50% headed. Alfalfa 15% cut first time. Clover 5% cut. Pastures decline fair to good.

IOWA: Extremely warm, temperatures 9 to 14° above normal. Precipitation normal, ranging over 2 in. to traces. Another beautiful week. Fieldwork: Over 6 days suitable. Corn planting virtually complete, 80% 1974, 89% average. Corn 55% emerged, 47% 1974, 55% average. Soybeans 65% seeded, 26% 1974, 49% average. First cutting alfalfa getting underway. Topsoil moisture 45% short, 54% adequate, 1% surplus. Oats mostly good. Clover and alfalfa hay mostly good. Pasture fair to good. Herbicides ineffective some areas due lack of rain.

KANSAS: Temperatures averaged from 2° above nor-

mal northwest to 10° above east central and northeast. Rainfall of significance late week, heaviest east central, southeast. Some amounts in excess of 3.00 in.

Development wheat crop made excellent progress, 85% headed, 90% 1974, 80% average. Only a few fields turning, 5% 1974 and average. Corn 90% planted, 90% 1974, 80% average. Sorghum 25% planted same as 1974 and average. Soybean 30% planted, same as 1974, 25% average. Pastures generally good although short northwest.

KENTUCKY: Very warm and humid. Temperatures averaged 10° above normal. Scattered showers daily 21st through 25th. Totals variable, ranging from 0 to locally over 2.00 in.

Five days favorable fieldwork. Soil moisture adequate to short. Much progress planting corn, seeding soybeans, haying and preparing for tobacco setting. Corn planting 78% complete, 81% 1974, 67% average. Soybeans 24% planted, 23% 1974, 17% average. Small grain making good progress. Wheat mostly headed and blooming, barley more advanced, harvest to begin around June 3d. Scattered tobacco setting underway, about 30% plants larger than 4 in. in beds. Pastures excellent, 1st cutting alfalfa hay 40% completed. Strawberry picking active.

LOUISIANA: Temperatures near normal, except 2° to 5° above central. Precipitation light with widely scattered showers.

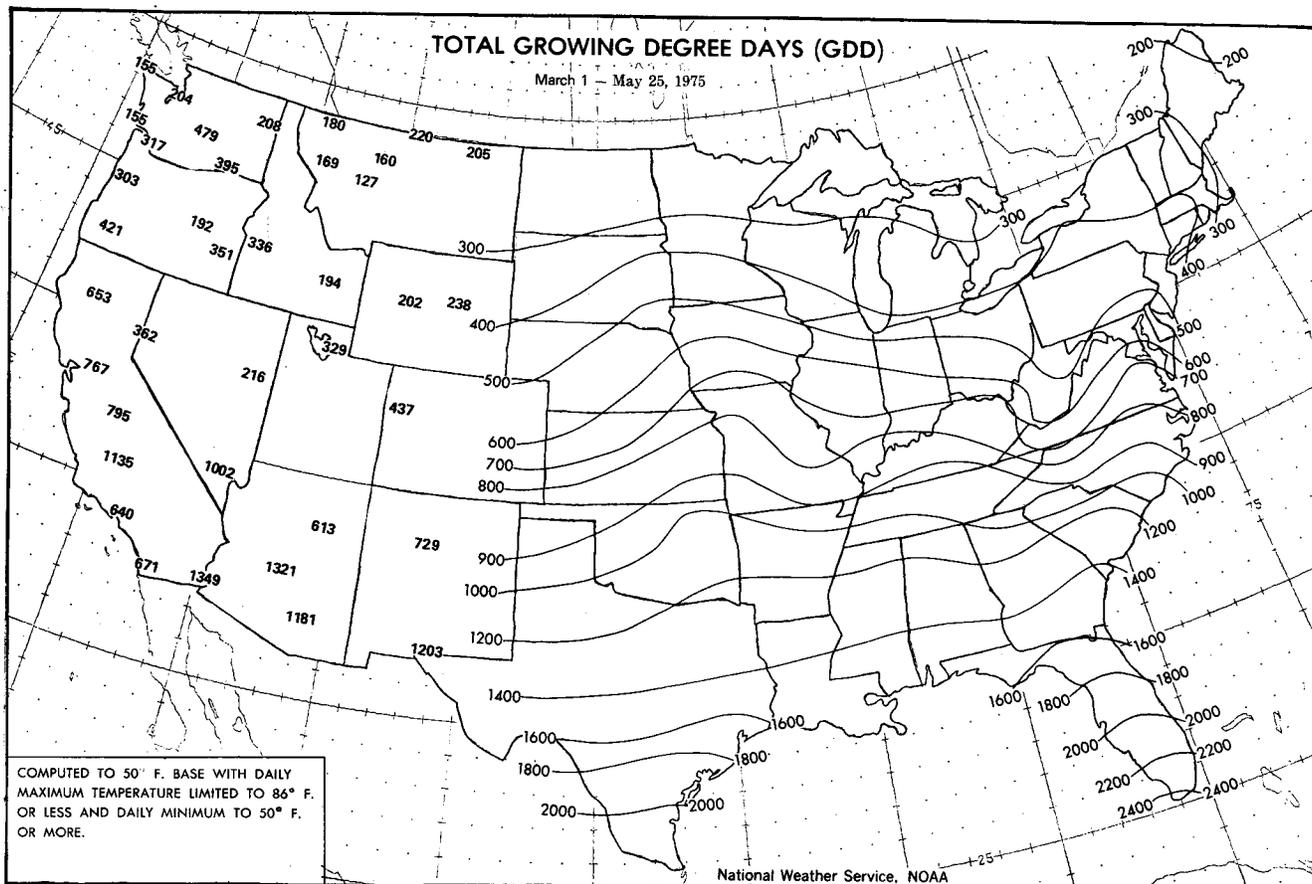
Seedbed preparation and planting main activities. Soil moisture adequate except excessive northwest. Fieldwork 5.0 days favorable. Cotton 50% planted, 95% 1974, 91% average. Slightly over 20% up to a stand. Corn planting in windup stages. 80% planted, 95% 1974, 88% average. Sorghum 15% planted, 55% 1974. Rice growing well, some weeds. Herbicides and insecticides being applied. Soybeans 18% planted, 45% 1974, 49% average. Sugar-cane growth continued good. Sweetpotato transplanting little progress, 35% complete. Small grain 10% harvested, about normal. Pastures average. Livestock mostly good except poor where pastures flooded.

MARYLAND AND DELAWARE: Temperatures 2 to 8° above normal. Highs, low 90's except 76° parts Eastern Shore lows, 40's. Precipitation throughout, trace to 2.42 in. Weekend warm, showers than cooler, drizzles 25th.

Good progress fieldwork. Topsoil moisture adequate to surplus. Warm temperatures favorable to crop development, seed germination. Corn 70% planted, 89% 1974, 76% average. Soybeans 15% planted, 25% 1974, 19% average. Good development of small grains. Barley 100% headed, wheat 80%. Good growth of hay and pastures. Vegetable planting normal. Strawberry harvest peaks 31st. Good apple and peach prospects.

MICHIGAN: A warm, muggy, wet week. Average temperature 12 to 18° above normal. Record highs on the 20th at Alpena, 91°; Lansing, 89°. Rain over 2.00 in. southeast and north along Lake Superior. The remainder averaged about 1.00 in. except 0.50 in. or less near the zoo.

Warm weather aided crop growth. Fieldwork 3.9 days. Soil moisture adequate except northwest. Pasture feed supply about average. Plowing 80% completed, slightly ahead of last year and average. Corn 75% planted; 49% 1974, 62% average. Oats 95% planted; 94% 1974, 91% average. Sugarbeets nearly all planted. Potatoes 66%, 63% 1974, 47% average. Soybeans 25%, 8% 1974, 21% average. Wheat and hay very good. Some damage alfalfa



weevils west central and southern counties. Hot weather pushed fruit bloom. Northern areas, in full bloom; excellent pollinating weather. Asparagus harvesting 40% completed.

MINNESOTA: Very warm with temperatures averaging 8 to 14° above normal. Precipitation heaviest across central areas northwest to southeast.

Planting progress ahead average as fieldwork progressed rapidly. Small grain planting completed southern two-thirds, and about 65% completed important northwest. For State spring wheat 86% planted; 1974 46%, average 74%. Barley 76% planted, 1974 36%, average 69%. Oats 91% planted, 1974 71%, average 85%. Around 65% small grain crop emerged. Corn 87% planted, 1974 77%, average 81%. Soybeans 59% planted, 1974 40%, average 52%. Corn, soybean fields germinating rapidly. Flax 54% planted, 1974 49%, average 64%. Sugarbeets 86% planted, 1974 25%, average 68%. Potatoes 65% planted. Sweet corn 58% planted, canning peas 88% planted. Pasture and hay crops growing rapidly, alfalfa hay fields soon ready to cut.

MISSISSIPPI: Small amounts of rain scattered. Temperatures normal. Extremes: 93 and 51°. Greatest 24-hour rainfall was 2.96 in. at Booneville on 17th.

Soil moisture adequate to surplus. Fieldwork: 5.1 days suitable. Cotton 78% planted, 95% 1974, 90% average; 45% up to stand, 85% 1974, 71% average. Corn 74% planted, 89% 1974, 79% average; 60% up to stand, 81% 1974. Rice 67% planted, 97% 1974, 91% average; 44% up to stand. Soybeans 14% planted, 38% 1974, 37% average; 7% up to stand, 20% 1974. Sorghum 29%, sweetpotatoes 42% and peanuts 55% planted. Cotton, corn, rice, soybeans, peaches, and truck crops in mostly fair

condition. Wheat, oats, Irish potatoes, pastures, and livestock in fair to good condition.

MISSOURI: Temperatures above normal. Average temperatures ranged 6° above normal south to 10° above normal northwest. Precipitation light, 0.10 in. Bootheel to 0.50 in. northwest and west Ozarks.

Fieldwork: 2 days suitable. Soil moisture adequate east, short west. Corn 87% planted, 79% 1974, 76% average. Cotton 96% planted, 91% 1974, 87% average. Soybeans 47% planted, 22% 1974, 24% average. Grain sorghum 50% planted, 38% 1974, 36% average. Wheat, fair to good condition, 84% headed. First cutting alfalfa 33% harvested, 36% average.

MONTANA: Cold week. Temperatures 10° below normal west and 6 to 12° below normal east. Coldest southeast. Temperatures below freezing. Coldest southwest high valleys with lows near 20° common. Precipitation several days, amounts below seasonal normal.

Spring seeding progresses but hampered by unsettled weather. About 55% spring wheat seeded, 85% 1974, normal 75%. Barley 45% seeded, 75% normal. Oats 40%, 65% normal. Sugarbeets 75%, 80% normal. Corn and potatoes 30%, 40% normal. Soil moisture adequate. Winter wheat condition good, about 1% in boot. Emerged spring grains and sugarbeets fair to good. About 60% cattle and sheep summer range.

NEBRASKA: Temperatures 8 to 12° above normal east, 1 to 5° below normal west. Precipitation midweek, greatest over panhandle, north central.

Fieldwork: 6.0 days suitable. Winter wheat fair to good condition. 70% wheat has jointed,

10% headed out. Moisture needed. Corn 90% planted, 95% 1974, normal 85%. Sorghum 45% planted, below 1974 and normal 50%. Soybeans 50% planted, 40% 1974, 30% normal. Alfalfa good condition. First cutting 10% cut. Wild hay fair to good condition. Topsoil moisture supplies 53% short. Subsoil moisture supplies short 77%. Pasture and range feed supplies short 53%.

NEVADA: Winter-like storm developed with strong winds, cold temperatures and considerable precipitation. Temperatures averaged 12° below normal Caliente to near normal Yerington. Extremes: 94° Las Vegas, 23° Austin. Precipitation 3.41 in. Austin.

Spring planting emerging slowly. Irrigating in full swing. Water supply good to excellent. Ranges improving. Lot of snow in higher elevations.

NEW ENGLAND: Very warm except coastal areas, highs in 90's until 22d cooler since. Dry except showers northern Maine and Connecticut. Hot dry weather prevailed speeding season to normal or ahead.

Plowing, planting proceeded rapidly, early areas cutting grass silage and hay. Planting field corn, potatoes, spring vegetables, ahead of normal. Apples full bloom north, petal fall south. Blueberries and strawberries blooming. Cranberries growing with no frost damage. Pastures slow but cattle grazing.

NEW JERSEY: Temperatures 6 to 8° above normal. Extremes: 49° at Belvidere on 22d and 94° at Bridgeton and Canoe Brook on 24th. Total rainfall 0.30 in. north, 0.20 in. central and 1.40 in. south. Thunderstorm on 21st locally excessive, Glassboro 2.86 in. Bridgeton 2.70 in.

Soil moisture in % of field capacity, 76% north, 66% central and 73% south. Soil moisture extremely varied by areas. Some crop damage caused by flooding south. Warmer weather has advanced crop growth. Iceberg lettuce harvest underway. Sweet potato transplanting has begun. Strawberry harvest expected next week. Fruit crops in good condition. Hay and green-chop being harvested. Field corn and soybean planting progressing as soils dry. Early field corn plantings up 2 to 3 in.

NEW MEXICO: Windy early week. Scattered, light showers mostly Rio Grande Valley and mountains 22d and 23d. Cooler 22d and 23d, warming rapidly 25th. Temperatures near normal to 7° colder than normal. Near or subfreezing temperatures most mountains and northwest 23d.

Topsoil moisture short, subsoil short to adequate. Rainfall needed. Cool, night temperatures continue to retard crop growth. Cotton virtually all planted, 60% emerged with fair stands. Alfalfa fair to good, 1st cut 75% done south, 40% north, thrip and mite problems eased with 1st cut. Grains fair to good. Wheat heading 85%. Corn 75% emerged with fair stands. Grain sorghum 55% planted. Lettuce harvest continues, quality dropping. Pecan nut development underway with prospects favorable. Ranges fair moisture needed. Livestock fair to good.

NEW YORK: Temperatures 10 to 17° above normal interior, 5 to 6° coastal. Significant rainfall limited to extreme west. Northeast dry. First 90° readings of season. Cool air from Canada over weekend lowered temperatures east.

Fieldwork progressed rapidly with dry, hot weather. Corn 62% planted, 37% 1974, 30% average. Early planting up and growing. Oats about 90% planted. Wheat, hay, pastures mostly good condition. First hay cut for silage. Up-

state potato planting nearly complete. Direct seeding cabbage Long Island, some transplanting upstate. Apples full bloom Champlain Valley and West. Pollinating conditions excellent. Good set tart and sweet cherries.

NORTH CAROLINA: Temperatures averaged about 4° above normal. Precipitation quite variable. Thunderstorms mainly at beginning and end of week. Hot and hazy weather 20th through 23rd, highs 80's to low and mid 90's.

Fieldwork: 3.8 days suitable. Soil moisture, 12% short, 77% adequate, 11% surplus. Flue-cured tobacco 88% set, 1974 86%, average 79%. Burley tobacco 28% transplanted, 1974 13%. Flue-cured fields, fair to mostly good condition. Corn 93% planted, 1974 92%, average 86%. Cotton 98% planted, 1974 96%, average 94%. Peanuts 91% planted, 1974 78%, average 82%. Soybeans 44% planted, 1974 40%, average 44%. Pastures 1% poor, 27% fair, 66% good, 6% excellent. Peaches mostly good. Blueberry harvest approaching full swing. Sweet potatoes 34% transplanted, 1974 40%.

NORTH DAKOTA: Temperatures slightly below normal, ranging 5° below northwest to 5° above east central. Extremes: 32° at Upham to 84° at Lisbon and Wahpeton. Precipitation averaged above normal ranging 0.23 in. below normal east central to 0.76 in. above normal central. Greatest precipitation 2.24 in. at Ft. Yates. Weekend below normal temperature, scattered showers western and central.

Hard red spring wheat about 60% planted, 1974 47%, normal 83%. Durum wheat 53%, 1974 23%, normal 75%. Oats 54% planted, 1974 47%, normal 79%. Barley about 66% planted, 1974 32%, normal 77%. Row crop planting well underway. Soil moisture mostly adequate to plentiful. Pastures good. Localized flooding north central.

OHIO: Rainfall varied greatly from thunderstorms. Greatest amounts northeast to very little central and southwest. Temperatures averaged 10° above normal. Record high of 93° Columbus, 25th. Low of 52° northwest, 19th.

Corn nearly 95% planted, 90% 1974, and 80% normal. Soybean planting advanced 40 percentage points to 75% complete, 55% 1974, and 40% normal. Soybean planting 2 weeks ahead of normal. Percent emerged: Corn 65%, soybeans 35%. Wheat over 50% headed, 50% 1974 and 35% normal. Alfalfa cutting 10% completed. Clover-timothy cutting 5% complete. Crop conditions mostly good. Sugarbeet growth excellent. Soil moisture supplies 33% short, 49% adequate, and 18% surplus. Northwest and extreme southeast have best moisture supplies. Fieldwork: 5 days favorable.

OKLAHOMA: Temperatures averaged 3° above normal to 2° subnormal. Precipitation ranged from 0.40 in. Panhandle to 2.70 in. central and northeast. Weekend warm with rain some areas.

Wheat 47% dough, 83% 1974, 68% normal. Barley 48% dough, 80% 1974, 76% normal. Oats 48% dough, 73% 1974, 68% normal. Army worms continue spreading, control measures increasing. Rainfall delayed fieldwork, local flooding several areas. Sorghums 33%, cotton 31% planted, about a week behind year ago. Pastures good, livestock gaining well.

OREGON: Temperatures averaged near normal to below normal. Maximums 70's, minimum high 20's. Precipitation along coast ranged 0.25 to 1.00 in., interior trace to 0.25 in.

Fall seeded crops in fair to good condition. Spring grain seeding nearly completed. Alfalfa being seeded. Sugarbeet thinning continuing.

First haying beginning. Fruit crop prospects good. Strawberries continue to blossom. Trailing berries coming into bloom. Green peas blooming, green beans and sweet corn continue to emerge. Potato planting in full swing Klamath County. Asparagus, rhubarb harvest continuing. Range and pastures in fair to good condition. Livestock in good condition. Cattle will begin to move to higher pastures next week.

PENNSYLVANIA: Very warm, humid week. Averages 7 to 11° above normal except 14 to 16° above northwest. Scattered showers and thunderstorms most days. Totals highly variable, trace to about 1.50 in.

Soil moisture adequate. Major activities spraying, planting corn, potatoes and vegetables. Plowing 88%, 1974 90%. Oats virtually all planted, ahead of 1974. Potatoes 87% planted, 1974 75%. Corn 65% planted, 1974 68%. Barley 50% headed, 54% 1974. Wheat 47% boot and 13% headed, 1974 17% headed. Hay condition good alfalfa, good to fair clover-timothy. Peaches 38% past bloom, cherries 31%, apples 63% in full bloom. Feed from pastures average.

PUERTO RICO: Island average rainfall 1.72 in. Highest total 6.21 in. at Pico Del Este Luquillo. Temperatures averaged about 79° on coasts and 73° interior. Extremes: 95 and 55°.

Sugarcane harvest nearing end. Rainshowers benefited development of ratoons and new plantings, more rains needed south coastal areas. Rains favored coffee flowering and formation of bean. Tobacco harvesting and drying operations interrupted east and west interior. Rains beneficial to pastures and some recuperation expected. Food crop planting and fertilizing operations taking place.

SOUTH CAROLINA: Hot, dry. Scattered thunder-showers beginning and end of week. Temperatures near normal early to well above normal late.

Cotton 96% planted, 93% 1974, 94% average. Corn condition good, 98% planted, 98% 1974, 98% average. Peanuts 91% planted, 92% 1974, 84% average. Tobacco budworm infestations moderate. Small grains fair to good. Wheat 14% ripe. Oats 24% ripe. Pastures good. Soybeans 46% planted, 48% 1974, 38% average. Peaches fair to good. Sweetpotatoes 46% planted, 56% 1974, 50% average. Grain hays 58% harvested, 80% 1974, 56% average. Sorghum 28% planted, 18% 1974, 28% average.

SOUTH DAKOTA: Temperatures averaged up to 7° below normal west, 6 to 12° above normal east. Extremes: 93° Menno and Vermillion, 19th, 31° Camp Crook 20th. Precipitation ranged from 0.18 in. southeast to over 2.00 in. northwest.

Fieldwork made rapid progress except northwest and north central. Flax 66% complete, 1974 85%, normal 75%. Corn 81% planted, 1974 and normal 77%. Soybeans 67% planted, 1974 52%, normal 50%. Sorghum 29% planted, 1974 29%, normal 25%. Winter wheat 29% in boot stage, 1974 55%, normal 47%. Rye 37% in boot. Livestock conditions improving as pasture conditions improve.

TENNESSEE: Temperatures averaged 4° above normal east and 7° above west. Widely scattered showers brought 0.25 in. or less.

Early planted corn, cotton and soybeans in good condition. Corn 80% planted, 1974 70%, normal 75%. Cotton 82% planted, 1974 75%, normal 83%. Soybeans 28% planted, 1974 13%, normal 26%. Wheat, oats and barley nearly all headed, slightly ahead 1974 and normal. Wheat and oats 23%, barley 50% yellow. Tobacco 32% transplanted, 1974 43%, normal 38%. Delay caused by short, small plants. Plants scarce. Hay harvest made

rapid progress. Face flies and pinkeye serious problem to livestock.

TEXAS: Severe weather dominated with hail in various areas. Heavy rains Wichita Falls, central caused flash flooding. Above normal rainfall common except far west and far south where near normal. Temperatures near normal except east.

Wheat, oats, barley harvest good progress before interrupted by rain. Hail, wind damage scattered, permanent damage expected light. Planting cotton, corn, sorghum satisfactory progress, generally ahead schedule. Peanut seeding excellent progress Blacklands, Cross-Timbers where moisture excellent. Wheat harvest good progress early week, but stopped most areas from moderate to heavy rain late week. Oat fields south and east suffered some wind hail damage. Rains delayed or stopped cotton planting on High, Low Plains. Moisture generally adequate seeding dry land crop. Sorghum planting good progress High, Low Plains early week before heavy rains drove farmers from fields. Early stands good growth and most crop south rapidly approaching maturity. Major crops percent harvested: Wheat 9, 1974 9, average 8; oats 9, average 22; flax 98, 1974 91, average 91; barley 1, 1974 11, average 31. Major crops percent planted: Cotton 69, 1974 70, average 66; corn 96, 1974 99, average 97; sorghum 78, 1974 71, average 62; peanuts 40, 1974 34, average 28; rice 99, 1974 96, average 96; soybeans 18, 1974 28, average 11. Lower Rio Grande Valley: Onion harvest continues decline. Harvest cucumbers, peppers, tomatoes, cantaloups, honeydew, some watermelon underway. Potato digging active. San Antonio-Winter Garden: Onions, potatoes, carrots harvested. East: Most land still too wet to plant sweetpotato crop. Trans-Pecos: Some onions, cantaloups, cabbage, other vegetables lost due to hail. High Plains: Onions, carrots, potatoes making satisfactory progress. Peach harvest continues. Rains boosted range conditions. Hay baling stopped, some early crops lost from wet weather. Subsequent hay crops good to excellent prospects. Ranchers busy moving livestock from low-lying areas. Extreme south, west missed rain. Range, livestock conditions continue deteriorate.

UTAH: Heaviest snow storm so late in season. Up to 22 in. some valley locations. Accumulated amounts of moisture moderate and to very heavy. Average temperatures well below normal, 3 to 11° below normal.

Snow followed by subfreezing temperatures over weekend caused considerable structural damage to fruit trees. Damage to newly emerging field and vegetable crops, and alfalfa fields, were also hit hard. Field planting continues; field corn, sweet corn, snap beans and potatoes reach about 60%. Winter wheat condition fair to good, benefited by additional moisture. Range and pasture feed supplies slowly improving, livestock still being fed.

VIRGINIA: Temperatures several degrees above normal, extremes 93 and 48°. Slightly cooler over weekend. Showers, thundershowers throughout early week, then again 23d through 25th. Rainfall averaged from 0.50 to 1.00 in.

Fieldwork: 4.5 days favorable. Topsoil moisture: 83% adequate, 10% surplus, 7% short. Planting progress: Corn 82%, 1974 87%, average 86%, spraying necessary for worms in sod-planted fields. Soybeans 24%, 1974 30%; peanuts 79%, 1974 88%; flue-cured tobacco 36%, 1974 57%, plant-

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beds have improved. Fire-cured 18%, 1974 38%; burley 19%, 1974 18%, sun-cured 27%, 1974 27%. Small grains improved. Armyworms in wheat required spraying some fields. Barley turning, none harvested for grain. Ensilage harvest active. Hay, pasture improved. Sheep shearing active. Fruit spraying continued.

WASHINGTON: West: Precipitation throughout week totaling from 0.07 to over 1.00 in.

Rains slowed pasture growth and fieldwork. Strawberries and blueberries in full bloom. Raspberries approaching full bloom. Planting: Squash, green peas, broccoli, cauliflower. Field and sweet corn up. Harvesting grass silage. Cattle on full pasture. East: Strong winds 2 days. Precipitation light. Total amounts from trace to 0.10 in.

Planting: Dry beans, field and sweet corn, potatoes, pasture, alfalfa. Weeding, cultivating and thinning sugarbeets. Weather favorable for fruit development. Chemical thinning, pear psylla control, moth spraying in orchards. Harvesting asparagus. Green peas blooming. Winter wheat stands improving. Moisture excellent. Working summer fallow, spraying, reseeding in poorer grain stands. Alfalfa cutting picked up, some baled. Ranges growing slowly. Feed supplies short.

WEST VIRGINIA: Temperatures 5 to 9° above normal. Precipitation below normal northeast above normal elsewhere. Thundershowers last week.

Fieldwork: 3.6 days suitable. Soil moisture mostly adequate. Main farm activities gardening, planting corn and plowing. Condition growing crops good. Planted: Oats 91%, potatoes 91%, corn 61%.

Pastures, cattle condition improving. Some late sheep shearing. Gardening 2 weeks behind.

WISCONSIN: Temperatures averaged 13° above normal. Highs in 90's. Nights also unseasonably warm. Rainfall was variable, showers and thunderstorms daily, heaviest on 19th and 23d. Central areas averaged near 2.00 in.

Excellent progress made on crop planting. Corn 80% planted, 1974 50%, normal 60%. Most corn for grain in, silage corn being planted. Early corn doing well. Oats and small grains now seeded. Early grains up and progressing good. Soybeans 30% planted, 1974 5%, normal 25%. Hay and pastures growing rapidly. Hay crop very good west and north. Green chopping started. Pasture conditions normal. Planting sweet corn, peas and vegetable crops. Tobacco beds developed fast in hot weather. Fruit trees had rapid bloom, good pollinating weather. Soil moisture 25% short, 75% adequate.

WYOMING: Precipitation well above normal except lower plateau. Temperatures ranged from normal to about 9° below normal.

Fieldwork delayed by rain, snow storms. Planting one to three weeks behind 1974. Topsoil moisture adequate to surplus. Spring wheat 65% planted, 35% emerged. Oats 70% planted, 45% emerged. Barley 75% planted, 45% emerged. Sugar beets 90% planted, 35% emerged. Corn 50% planted, 15% emerged. Potatoes 25% planted. Dry bean planting started. Winter wheat development slow, prospects improved by moisture. Snow storm caused some losses newborn lambs, newly shorn sheep. Range sheep lambed 75%, shorn 85%. Farm flocks completed. Ranges, pastures fair to good. Stock water supplies adequate.

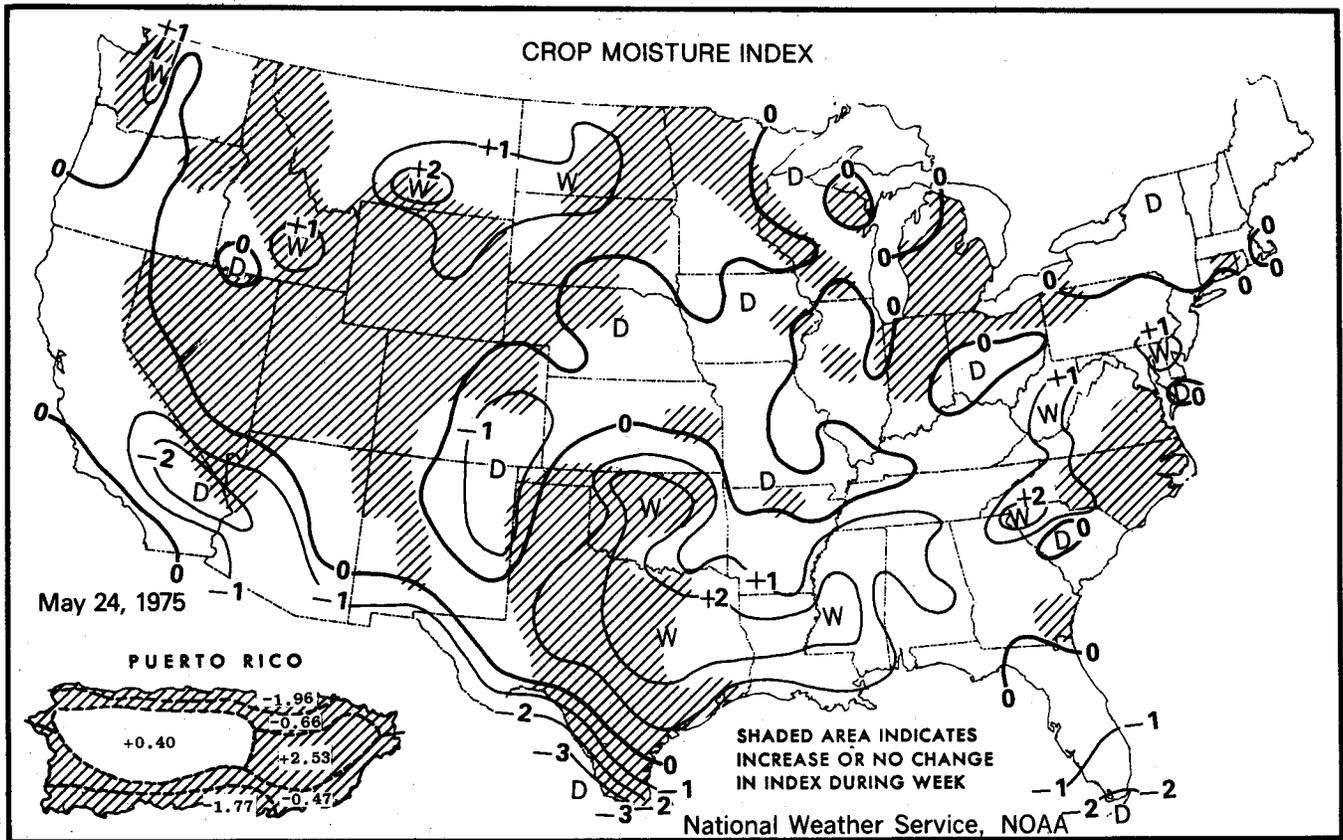
WATER SUPPLY OUTLOOK FOR THE WESTERN UNITED STATES
Issued as of May 1, 1975

The table below shows the runoff forecast in percent of the 15-year (1958-72) average. The forecasts are for the remainder of the water year (October thru September), except for the full water year for the Sacramento and San Joaquin Basins; April 1 to September 30, 1975, for the Missouri, Yellowstone, and North Platte Basins. The publication "Water Supply Outlook for the Western United States," issued as of May 1, 1975, contains the complete water supply forecasts for about 375 stations in the Western United States.

River	Station	Forecast 1,000 Acre-feet	Percent 15-year average
Columbia	Grand Coulee, WA	67,500	109
Columbia	The Dalles, OR	103,000	113
Snake	Lower Granite, WA	26,400	119
Sacramento	Red Bluff, CA	9,400	105
San Joaquin	Big Creek, CA	1,550	119
Weber	Gateway, UT	340	145
Jordan	Utah Lake, UT	246	125
Truckee	L. Tahoe-Farad	350	165
Colorado	L. Powell infl.	10,470	154
Green	Green River, UT	3,500	130
San Juan	Bluff, UT	1,660	196
Rio Grande	San Marcial, NM	677	260
Arkansas	Pueblo, CO	561	168
Missouri	Ft. Peck, MT	6,020	127
Yellowstone	Sidney, MT	8,000	115
North Platte	Glendo, WY	1,000	121

1/ Period, 1958-72

Office of Hydrology
National Weather Service



The map above gives a general picture of how wet or dry the nation was last week. The lines show the crop-moisture situation according to an index computed from values of temperature and precipitation by areas. Previous weekly computations of soil moisture account for the effect of prior weather.

Shaded areas are those where precipitation increased, the index last week or where soils did not dry. Unshaded UNSHADED AREAS: INDEX DECREASED

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

areas dried last week. The centers of wet or dry areas are marked: W for wet; D for dry. Use the legend to interpret.

Local variations caused by isolated rain or by soil differences are not shown. Any interpretation must consider the type of agriculture and the stage of crop development.

SHADED AREA: INDEX INCREASED OR DID NOT CHANGE

ABOVE	3.0	EXCESSIVELY WET SOME FIELDS FLOODED
2.0 to	3.0	TOO WET, SOME STANDING WATER
1.0 to	2.0	PROSPECTS ABOVE NORMAL, SOME FIELDS TOO WET
0 to	1.0	MOISTURE ADEQUATE FOR PRESENT NEEDS
0 to	-1.0	PROSPECTS IMPROVED BUT RAIN STILL NEEDED
-1.0 to	-2.0	SOME IMPROVEMENT BUT STILL TOO DRY
-2.0 to	-3.0	DROUGHT EASED BUT STILL SERIOUS
-3.0 to	-4.0	DROUGHT CONTINUES RAIN URGENTLY NEEDED
BELOW	-4.0	NOT ENOUGH RAIN STILL EXTREMELY DRY



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Publication of this bulletin began in 1872 as the Weekly Weather Chronicle. It is now issued under general authority contained in the Act of January 12, 1895 (44 USC 213), 53d Cong., III. Sess. Quotation or reproduction of this material is encouraged. Please give credit to this publication and, in case of special articles, to authors.

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1975 PLANTING PROGRESS

PERCENT OF ACREAGE PLANTED
 (as of May 25)

COTTON			
	Average	1974	1975
ALA.	95	100	93
ARK.	85	92	89
GA.	100	100	99
LA.	91	95	50
MISS.	90	95	78
MO.	87	91	96
N. C.	94	96	98
OKLA.	38	43	31
S. C.	94	93	96
TENN.	83	75	82
TEX.	66	70	69

11-States 75 79 73
 These 11 States produced 68% of the Nation's Cotton in 1974.

CORN			
	Average	1974	1975
GA.	100	100	100
ILL.	77	65	96
IND.	65	45	90
IOWA	89	80	99
KANS.	80	90	90
KY.	67	81	78
MICH.	62	49	75
MINN.	81	77	87
MO.	76	79	87
NEB.	85	95	90
N. C.	86	92	93
OHIO	80	90	95
S. DAK.	77	77	81
WIS.	60	50	80

U. S. 79 75 90
 These 14 States Produced 88% of the Nation's corn in 1974.

SOYBEANS			
	Average	1974	1975
ALA.	39	50	51
ARK.	29	38	27
GA.	48	53	44
ILL.	34	10	71
IND.	25	10	65
IOWA	49	26	65
KANS.	25	30	30
KY.	17	23	24
LA.	49	45	18
MICH.	21	8	25
MINN.	52	40	59
MISS.	37	38	14
MO.	24	22	47
NEB.	30	40	50
N. C.	44	40	44
OHIO	40	55	75
S. C.	38	48	46
TENN.	26	13	28

U. S. 36 30 50
 These 18 States produced 95% of the Nation's Soybeans in 1974.

SORGHUM

	Average	1974	1975
COLO.	24	23	23
KANS.	25	25	25
MO.	36	38	50
NEB.	50	50	45
OKLA.	37	42	33
S. DAK.	25	29	29
TEX.	62	71	78

7-States 48 53 55
 These 7 States produced 90% of the Nation's Sorghum grain in 1974.

SPRING WHEAT (Other than Durum)

	Average	1974	1975
IDA.	2/	95	70
MINN.	74	46	86
MONT.	75	85	55
N. DAK.	83	47	60
S. DAK.	100	100	1/

5-States 84 63 72
 These 5 States produced 93% of the Nation's Spring Wheat (other than Durum) in 1974.

1/Virtually complete
 2/Not available

