

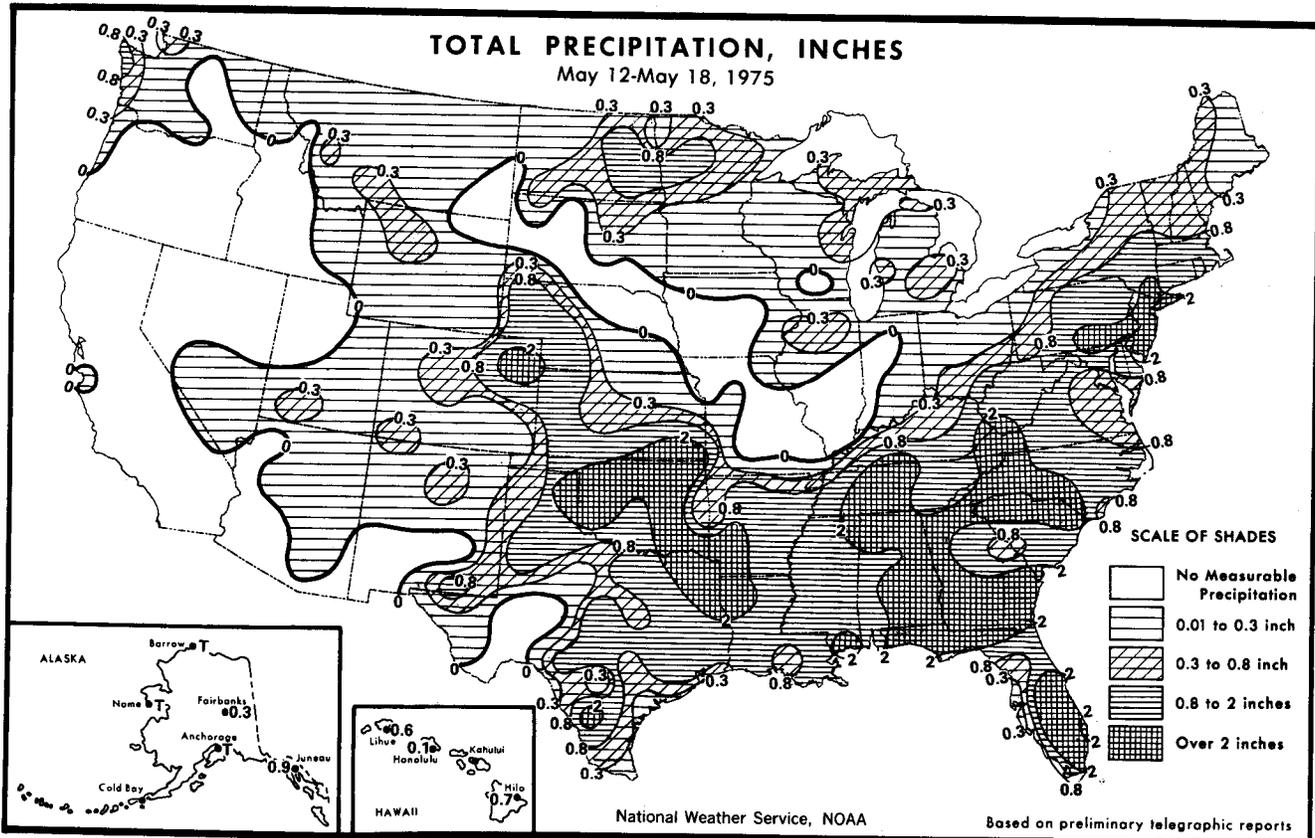
Weekly Weather & Crop Bulletin

U. S. DEPARTMENT OF COMMERCE
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NATIONAL WEATHER SUMMARY

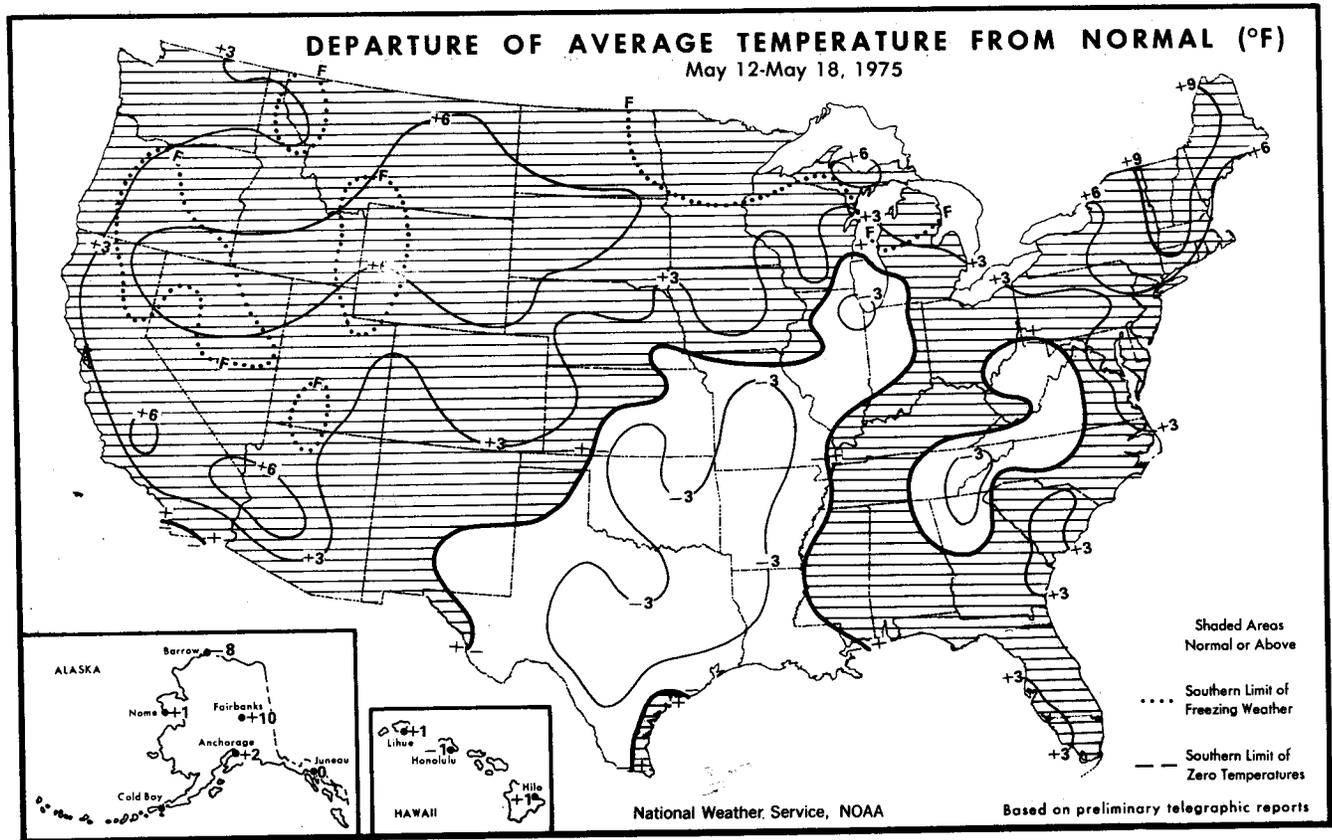
For the Week of May 12-18.

HIGHLIGHTS: Above normal temperatures have finally come to the West and the Northern Great Plains. Heavy rain fell in western Nebraska and northeastern Colorado southeastward to Louisiana and east and north to New Jersey. The North Central States had only small accumulation of rain during the week.

PRECIPITATION: On Monday cooler air began to invade the States through the Northern Great Plains and moved rapidly southeastward. Rain and showers fell along the front, especially in the northern portion as it moved eastward through the Corn Belt. Elsewhere a low center in Colorado caused disturbances north and south of it. Thunderstorms developed first in eastern Colorado. Half-inch hail fell in Denver. Later showers and thunderstorms developed in southeast Colorado, the Oklahoma and Texas Panhandles and in western Kansas and Nebraska. Some scattered thunderstorms occurred along the Gulf Coast and in the dry southern Florida area.

The weather systems moved rapidly and by Tuesday the Canadian front had moved to the East Coast where a low center developed off New Jersey. Copious rainfall and thundershowers fell along the front as it moved eastward and the rain area covered all of the East Coast and the Gulf Coast. From a low center in Texas a line of severe weather extended northward into Kansas and Nebraska. As the line moved eastward, flash floods occurred over the north central portion of Texas and Louisiana.

Wednesday began with heavy precipitation falling in the form of showers and thundershowers in the lower Mississippi Valley and along the Gulf Coast. Heavy thunderstorms and some tornadoes were reported from Central Texas through the Gulf Coast States and into Arkansas and Tennessee. Another frontal system moved into the Northern Great Plains from Canada. Showers and thunderstorms occurred along the front as it moved to the western Great Lakes and Upper Mississippi Valley.



from the South Atlantic Coast to the Lower Mississippi Valley. Tornadoes and hail occurred in Georgia and heavy rain again fell in southern Alabama and in Louisiana. Afternoon and evening thundershowers were widely scattered over the northern and central Rockies and the southern Plateau region. Some thundershowers were reported in extreme southern Texas.

Another cool air mass moved into the States from Canada early Saturday and late in the day had pushed to a line from east South Dakota to Colorado and Wyoming. A few showers and thundershowers fell in North Dakota and Minnesota and generally along the east slopes of the Rockies and in Colorado. Denver again reported marble sized hail. Instability in the Southwest caused scattered thunderstorms in the southern Rockies. More showers and thundershowers were scattered from the southern half of the Mississippi Valley to the Central Atlantic and into Florida.

The cooler air moved slowly on Sunday and reached to Wisconsin and Iowa through central Kansas and to a low in southeast Colorado. By day's end thundershowers were common along the front and all along the east slopes of the Rockies into Texas. One re-

By Thursday the front from Canada had moved through Ohio and into Tennessee. Showers and thundershowers fell along the front as it moved rapidly through the North Central States. From a low in Mississippi a cold front extended southwestward into the Gulf and a warm front east through Georgia. Severe weather occurred throughout the Southeast and north and west of the low. Tornadoes were reported in northern Florida, Georgia and South Carolina. Stations in Tennessee and Alabama had very heavy rain.

The Canadian front moved off the East Coast on Friday and a low center again formed off New Jersey with a front trailing into the Carolinas and to Louisiana. Thunderstorm activity was experienced port in Texas claimed inch and three-quarters hailstones. A fast moving cold front crossing the Pacific Northwest kicked up dust in Washington, showers and thundershowers from Nevada to southern California and snow flurries in the mountains. A low pressure area in the Southwest caused locally heavy rains which required warnings of flash floods for rivers and streams in eastern Kentucky and West Virginia.

TEMPERATURE: On Monday the cool air entering the North Central States caused some below normal 30° readings along the Canadian border and near the Great Lakes. Balmy temperatures covered much of the southern Rockies, most of the Plains and a large part of the country east to the Atlantic. Eastern Massachusetts had readings in the low eighties. Tuesday produced a record high so early in the season for Bakersfield, Ca. where 106° was recorded. By Thursday nighttime temperatures dipped into the 30's over portions of the Northern Plains, upper Mississippi Valley and northern Great Lakes region. Hot dry weather covered the Southwest deserts. Warming extended northward Friday when 60° readings lasted until early morning in Montana, however, cool readings in the 40's dipped well into the Southern Plains.

Warming returned to the Plains and cooling to the West on Sunday. A record high of 94° was set at St. Joseph, Mo.

NATIONAL AGRICULTURAL SUMMARY

For the Week of May 12-18.

HIGHLIGHTS: Corn planting advanced rapidly throughout much of the Nation and nearly doubled the progress of a week earlier. By May 18th, planting was two-thirds complete nationwide, now ahead of both 1974 and average. Soybean planting accelerated and one-fifth of the 1975 intended acreage was in the ground. Cotton planting was slowed by rain in most major States. Winter wheat continued to make good growth and development although the crop is still later than normal in most States.

SMALL GRAINS: Unseasonably cool temperatures and rain prevailed in the Southern Great Plains slowing wheat harvest in Texas and limiting crop development in Kansas and Oklahoma. Small grain seeding made excellent strides in the Northern States.

In Texas, wheat harvest was on schedule although delayed by wet weather. Most of the wheat crop was headed out and rapidly reaching maturity. Winter wheat in Oklahoma was 15% in the dough stage, compared with the average 38%. Kansas wheat condition improved with the needed rains that fell statewide. Thirty-five percent of the crop was headed, usually 55% is headed.

Winter wheat in Ohio was 40% jointed and in mostly good condition. In Indiana, wheat was 15% headed; 60% in Illinois and 15% filling, much behind normal. Colorado winter wheat was 61% jointed versus 82% normally.

Spring wheat seeding in the five major States was 45% finished, behind the pace of 55% seeded in 1974 and the usual 76%. North Dakota growers had nearly one-third of their crop seeded.

Oat seeding progressed rapidly in most Northern States as farmers tried to catch up. In Montana, seeding was only 20% complete, versus the normal 57%.

CORN: Favorable weather conditions permitted farmers to work long hours and nationally corn planting progress nearly doubled during the past week. By May 18th, 66% of the Nation's intended corn acreage was planted, ahead of both the 64% in 1974 and the usual 60%.

Planting in the North Central States was also 66% finished, ahead of the 61% in 1974 and the normal 58%. Corn planting was most advanced in Illinois with 77% done followed by Iowa and Ohio with 75%, and Indiana and Kansas with 70%. All States except Minnesota and South Dakota were ahead of the normal pace in the region.

Corn planting progress in the South Atlantic States at 82% was still trailing both the 1974 and average. In the South Central States, planting was nearly three-fourths finished, behind the 1974 pace, but slightly ahead of normal. Progress was ahead of normal in Kentucky, North Carolina, Oklahoma, and Tennessee.

COTTON: Rain interrupted planting in most cotton States, however, growers were able to make good progress. Planting in the 11 major Southern States was 49% finished by May 18th, much behind 64% in 1974 and normal 61%.

Texas cotton farmers made excellent planting progress in the High Plains, but hail and flooding in the Blacklands and South Central will necessitate some replanting. Planting was 46% done, behind both last year and average. Cotton planting was ahead of normal in only North Carolina and

Oklahoma, while progress ranges from 20% done in Louisiana to 90% in North Carolina. Planting progress was a record slow in Georgia.

In New Mexico, cotton planting was complete south and 50% done north. Stands were reasonably good in Arizona and early fields were squaring.

SOYBEANS: Soybean planting made excellent progress in all areas except in some South Central States. By May 18th, 20% of the 1975 intended soybean acreage was planted, ahead of the 15% in 1974 and the average 18%.

Planting made the best advance in the North Central States, where 24% was planted, double the 1974 pace and the normal 17%. Illinois and Ohio were the furthest along with 35% done, followed by Iowa's 22%.

Planting was 23% complete in the South Atlantic States, but only 9% finished in the South Central States.

OTHER CROPS: Sorghum planting was 43% complete in the seven major sorghum States, ahead of 1974's 39% and the usual 34%. Planting in Texas reached 70% complete versus the normal 52%. Kansas and Nebraska sorghum was 15% planted, about average progress.

Flue-cured tobacco was 1% transplanted in Maryland, 9% in Virginia and 74% in North Carolina. Plant shortages were showing up in the northern areas. Plants in Tennessee were small, late, and in short supply.

Peanut planting was 18% done in Mississippi, 31% in Texas, 65% in Virginia, 76% in Alabama, 79% in North Carolina and 84% finished in Georgia.

Potato planting was 30% complete in Idaho, 39% in Minnesota and 70% in Ohio.

FRUITS AND NUTS: Peach trees were in heavy bloom in Ohio and continued in good condition in North and South Carolina. In Georgia, high moisture problems were showing up and in Texas excess moisture was causing some droppage. Harvest was underway on early varieties in central Georgia and continuing in southern areas. Apple trees were in bloom in Michigan, New York, Ohio, and Wisconsin.

Citrus tree condition improved with rain in Florida, but the new crop fruit was still shedding. Valencia harvest was very active. In California, Navel orange harvest was ending, Valencia continuing.

VEGETABLES: Onions, lettuce, and celery were growing well in New York and planting sweet corn and snap beans for processing was underway. Vegetable planting made good progress on Maryland's Southern Shore and continued in New Jersey.

Watermelons and tomatoes were volume leaders in Florida and sweet corn supplies increased. Harvest of onions, cantaloups, honeydew melons, bell peppers, watermelons, and tomatoes continued in Texas.

PASTURES AND LIVESTOCK: Pasture and ranges made good improvements, but overstocking and slower than normal grass development were still causing problems in many areas. Range and grazing conditions improved following recent rains in Texas, except in the South where short moisture and overgrazing resulted in malnutrition losses. Cattle and sheep are being moved to summer ranges in Montana and New Mexico.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., May 18, 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 . . .	72	+ 2	1.5	+ .7	La. Baton Rouge . . .	74	- 1	.6	-.5	Youngstown	59	+ 2	T	-.9
Mobile	75	0	1.9	+ .9	Lake Charles	74	- 1	1.1	-.1	OKLA. Okla. City . .	65	- 3	1.9	+ .7
Montgomery	73	+ 1	2.6	+1.8	New Orleans	73	- 2	1.1	+ .1	Tulsa	67	- 1	3.1	+2.0
ALASKA. Anchorage .	48	+ 2	T	-.1	Shreveport	70	- 3	2.3	+1.1	OREG. Astoria	54	+ 2	.3	-.3
Barrow	11	- 8	T	0	MAINE. Caribou . . .	58	+ 8	.3	-.5	Burns	57	+ 5	T	-.2
Fairbanks	57	+10	.3	+ .2	Portland	57	+ 5	.3	-.5	Medford	60	+ 3	0	-.4
Juneau	47	0	.9	+ .1	MD. Baltimore	66	+ 3	1.1	+ .3	Pendleton	63	+ 5	T	-.3
Kodiak	47	0	-.9	-.1	MASS. Boston	63	+ 5	1.3	+ .5	Portland	59	+ 2	T	-.5
Nome	36	+ 1	T	-.1	Chatham	54	---	.6	---	Salem	56	0	T	-.5
ARIZ. Flagstaff . . .	53	+ 3	.2	+ .1	MICH. Alpena	54	+ 4	.3	-.3	PA. Allentown	65	+ 5	.9	+ .1
Phoenix	82	+ 6	T	0	Detroit	59	+ 1	.1	-.6	Erie	58	+ 4	0	-.8
Tucson	74	+ 1	.1	+ .1	Flint	57	+ 2	.6	-.1	Harrisburg	64	+ 1	2.1	+1.2
Winslow	63	+ 1	.2	+ .1	Grand Rapids	59	+ 2	.2	-.5	Philadelphia	67	+ 4	1.9	+ .9
Yuma	78	- 1	0	0	Houghton Lake	55	+ 3	.1	-.5	Pittsburgh	60	+ 1	.3	-.5
ARK. Fort Smith . . .	67	- 3	.2	-1.1	Lansing	56	0	.8	0	Scranton	65	+ 6	1.6	+ .8
Little Rock	69	0	1.0	-.2	Marquette	55	+ 6	.4	-.2	R. I. Providence . . .	62	+ 5	1.1	+ .3
CALIF. Bakersfield . .	76	+ 6	0	0	Muskegon	55	0	.5	-.1	S. C. Charleston . . .	74	+ 2	1.4	+ .6
Eureka	52	0	T	-.5	S. Ste. Marie	53	+ 4	.6	-.1	Columbia	75	+ 2	1.3	+ .5
Fresno	71	+ 4	0	-.1	MINN. Duluth	54	+ 5	.2	-.5	Greenville	69	0	2.9	+2.3
Los Angeles	65	0	0	0	Internatl Falls	55	+ 5	.2	-.4	S. D. Aberdeen	62	+ 7	.7	+ .1
Red Bluff	72	+ 5	0	-.2	Minneapolis	60	+ 3	T	-.8	Huron	60	+ 3	T	-.6
San Diego	63	0	T	0	Rochester	59	+ 3	T	-.8	Rapid City	61	+ 6	T	-.6
San Francisco	59	+ 1	T	-.1	St. Cloud	58	+ 3	.2	-.6	Sioux Falls	60	+ 3	T	-.7
Stockton	69	+ 4	0	-.1	MISS. Jackson	73	+ 1	1.9	+ .9	TENN. Chattanooga . .	67	- 1	1.6	+ .8
COLO. Denver	60	+ 3	.7	+ .1	Meridian	76	+ 4	.8	-.1	Knoxville	63	- 5	1.0	+ .3
Grand Junction	63	+ 1	.2	+ .1	MO. Columbia	61	- 3	0	-1.1	Memphis	70	- 1	1.2	+ .2
Pueblo	64	+ 3	.1	-.3	Kansas City	64	- 1	T	-.9	Nashville	68	- 0	3.7	+2.8
CONN. Bridgeport . . .	64	+ 6	1.1	+ .3	St. Louis	63	- 2	T	-.8	TEX. Abilene	67	- 5	T	-.9
Hartford	67	+ 9	.9	+ .1	Springfield	62	- 3	0	-1.1	Amarillo	65	0	.6	0
D. C. Washington . . .	69	+ 3	.7	-.1	MONT. Billings	61	+ 7	T	-.4	Austin	72	- 3	.4	-.5
FLA. Apalachicola . .	75	0	1.3	+ .7	Glasgow	60	+ 6	.1	-.2	Beaumont	73	- 2	.3	-.8
Daytona Beach	77	+ 2	1.2	+ .7	Great Falls	58	+ 5	.1	-.4	Brownsville	80	+ 1	.2	-.4
Ft. Myers	82	+ 4	.7	-.1	Havre	60	+ 5	.1	-.2	Corpus Christi	78	0	.3	-.4
Jacksonville	75	+ 1	1.2	+ .5	Helena	55	+ 3	.1	-.3	Del Rio	76	- 2	.2	-.4
Key West	83	+ 2	.8	+ .3	Kalispell	55	+ 4	T	-.4	El Paso	74	+ 2	T	-.1
Lakeland	78	+ 1	3.0	+2.3	Miles City	64	+ 8	.1	-.3	Fort Worth	71	- 1	.9	-.1
Miami	80	+ 2	2.1	+ .9	Missoula	55	+ 3	T	-.4	Galveston	75	- 1	T	-.7
Orlando	78	+ 2	4.4	-3.8	NEBR. Grand Island . .	62	+ 2	.1	-.7	Houston	74	- 2	.9	-.3
Tallahassee	76	+ 1	3.0	+2.1	Lincoln	61	- 1	.2	-.5	Lubbock	66	- 2	1.2	+ .4
Tampa	81	+ 4	.1	-.4	Norfolk	63	+ 3	T	-.8	Midland	71	- 1	T	-.5
W. Palm Beach	78	+ 1	1.8	+ .7	N. Platte	59	+ 1	1.1	+ .4	San Angelo	70	- 4	0	-.6
GA. Atlanta	67	- 2	1.7	+ .9	Omaha	63	+ 2	T	-.9	San Antonio	71	- 5	.1	-.6
Augusta	72	+ 1	.7	-.1	Valentine	62	+ 5	T	-.6	Victoria	76	0	.1	-.8
Macon	73	0	1.8	+1.0	NEV. Ely	54	+ 4	T	-.2	Waco	71	- 3	.5	-.6
Savannah	77	+ 4	2.6	+1.7	Las Vegas	78	+ 5	T	0	Wichita Falls	70	- 2	.4	-.7
HAWAII. Hilo	74	+ 1	.7	-1.6	Reno	58	+ 3	0	-.1	UTAH. Blanding	59	+ 2	.2	+ .1
Honolulu	76	- 1	.1	-.1	Winnemucca	60	+ 6	0	-.2	Salt Lake City	63	+ 5	0	-.4
Kahului	73	- 2	T	-.1	N. H. Concord	63	+ 8	.4	-.3	VT. Burlington	63	+ 9	.4	-.3
Lihue	76	+ 1	.6	0	N. J. Atlantic City . .	65	+ 4	2.8	+2.0	VA. Lynchburg	64	- 1	1.7	+1.0
IDAHO. Boise	62	+ 5	T	-.3	Trenton	66	+ 4	2.6	+1.8	Norfolk	70	+ 4	.5	-.3
Lewiston	62	+ 4	T	-.4	N. MEX. Albuquerque . .	65	0	.3	+ .2	Richmond	68	+ 2	.4	-.4
Pocatello	60	+ 6	T	-.3	Roswell	67	- 1	.1	-.1	Roanoke	63	- 1	1.6	+ .8
ILL. Cairo	70	+ 1	0	-1.2	N. Y. Albany	63	+ 6	1.0	+ .2	WASH. Colville	58	+ 3	.2	-.2
Chicago	56	- 3	.2	-.6	Binghamton	62	+ 7	.9	0	Omak	58	+ 1	T	-.3
Moline	61	0	.3	-.5	Buffalo	59	+ 4	.1	-.8	Quillayute	52	+ 1	.9	-.1
Peoria	62	+ 0	.3	-.5	New York	65	+ 4	2.2	+1.4	Seattle-Tacoma	55	0	T	-.4
Rockford	58	0	.2	-.6	Rochester	61	+ 5	.1	-.5	Spokane	56	+ 1	T	-.4
Springfield	62	- 1	T	+ .8	Syracuse	61	+ 5	.5	-.1	Walla Walla	63	+ 3	T	-.4
IND. Evansville	66	+ 1	T	+1.0	N. C. Asheville	64	+ 1	4.9	+4.2	Yakima	59	+ 1	0	-.1
Ft. Wayne	60	+ 1	T	-.8	Charlotte	70	+ 2	3.7	+3.1	W. Va. Beckley	59	+ 1	1.8	+1.0
Indianapolis	62	0	T	-.9	Greensboro	66	- 1	1.7	+1.0	Charleston	63	- 1	1.5	+ .7
South Bend	57	- 1	.1	-.6	Hatteras	69	+ 2	1.9	+1.2	Huntington	64	0	1.4	+ .5
IOWA. Burlington . . .	63	+ 2	-1	-.7	Raleigh	67	0	.9	+ .1	Parkersburg	63	- 1	1.8	+1.0
Des Moines	64	+ 4	T	-.9	Wilmington	73	+ 2	.8	-.1	WIS. Green Bay	56	+ 2	.6	-.1
Dubuque	59	+ 1	.2	-.9	N. DAK. Bismarck . . .	59	+ 5	.4	-.1	La Crosse	60	+ 1	.2	+ .6
Sioux City	62	+ 1	T	-.8	Fargo	57	+ 3	.9	+ .4	Madison	59	+ 3	T	-.8
KANS. Concordia	64	+ 2	.3	-.7	Williston	59	+ 5	.2	-.9	Milwaukee	53	- 1	.2	-.4
Dodge City	64	0	.8	+ .1	OHIO. Akron-Canton . .	60	+ 2	T	-.1	WYO. Casper	58	+ 6	T	-.5
Goodland	61	+ 3	1.3	+ .7	Cincinnati	64	+ 1	.2	-.6	Cheyenne	55	+ 3	0	-.6
Topeka	64	0	.1	-.8	Cleveland	60	+ 2	T	-.8	Lander	58	+ 5	.2	-.4
Wichita	62	- 4	2.0	+1.2	Columbus	63	+ 2	.1	-.8	Sheridan	59	+ 5	T	-.5
KY. Lexington	64	0	.4	-.5	Dayton	63	+ 2	.2	-.6	P. R. San Juan	81	+ 2	2.0	+ .5
Louisville	66	+ 2	.3	-.7	Toledo	59	+ 1	.1	-.7					

Based on 1941-70 Normals

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: Frequent showers and thundershowers after 13th. Fair skies returned by weekend. Most areas received average of 2.00 in. rain. Temperatures near normal.

Three days suitable for fieldwork. Plowing 84% completed. Soil moisture adequate to surplus. Corn 76% planted, 95% 1974, average 88%. Cotton 85% planted, 94% 1974, usually 90%. Soybeans 24% planted, 31% 1974, normal 19%. Peanuts 76% planted, 91% 1974, normal 92%. Wheat virtually all headed, 55% turning, 9% harvested. Peanuts mostly good condition, other crops fair to good. First cutting hay 12% completed. Pastures mostly good. Livestock marketings nearly double same week 1974.

ALASKA: Tanana Valley record high temperature on 10th and 11th, attributed to well above 100 growing degree days for week. No rain fell in Fairbanks area. Nearly 0.50 in. fell in the Big Delta area which also had above normal temperatures.

Crop planting started in the Tanana and Matanuska Valley. Moisture supply mostly adequate throughout Railbelt. Seed prospects are generally good.

ARIZONA: Dry, unseasonably warm early, cooler, moist late week. Scattered showers 15th to 18th, generally less than 0.10 in. Some north, east areas received 0.25 in. plus.

Cotton planting complete, stands reasonably good. Early planting squaring Yuma. Small grains, safflower seasonal progress. Sugarbeets being dug west, expected this week central. Fall beets, good progress. Harvest alfalfa hay full swing, yields improving. Lettuce harvest almost complete. Carrot harvest limited central, west. Watermelon, cantaloup harvest late. Potato harvest full swing Maricopa County. Vegetables, melons good progress Yuma. Harvest Valencia oranges, grapefruit Yuma, Maricopa Counties. Early peach picking. Cattle, calves good condition. Range feed scarce lower desert, good higher elevations. Sheep, lambs good condition.

ARKANSAS: Temperatures near to slightly below normal. Extremes: 88, 41°. Rainfall north 0.80 in. or less. Central and southeast Arkansas up to 2.80 in.

Midweek rain stopped farm operations with 3 days favorable fieldwork. Soil moisture surplus. Fuel, fertilizer adequate. Large cotton acreage planted, 60% complete, 82% 1974 and average. Good stands, some seedling diseases. Rice planting 81% complete. 82% 1974, 85% average. Herbicides applied, older fields flooded, fertilized. Soybean seedbed preparation active, 9% planted, 20% 1974, 20% average. Early small grains beginning to change color. Wheat stalks, grain heads short. Hay harvest active northwest. Pastures normal. Cattle in good condition, gaining weight.

CALIFORNIA: Mostly sunny inland, and night and morning fog and low cloudiness coastal. Precipitation limited, generally light scattered showers northwest early and again midweek. Warming trend Central Valley, highs about 100 on 13th, marked cooling 14th and warming end of week. Lows from 40's Central Valley and coastal valleys to 60's

low southeast deserts. Averages near normal immediate coasts, slightly above elsewhere, except 5-9° above Sierra Nevada.

Warmer weather causing increased growth all crops. Barley harvest started Imperial, Kern Counties. Cutting grain hay active. Planting cotton, corn, milo, dry beans. Rice planting well along Sacramento Valley, underway San Joaquin Valley. Alfalfa cutting general. Digging sugarbeets Imperial Valley. Fruit development helped by warm weather, most crops one to two weeks behind. Almond set varies. Apricot thinning about complete. Few cherries packed. Pollinating date bundles nearly complete. Grapes leafing, Thompsons nearing bloom. Peach thinning started. Pear and prune sets good. Plum, nectarine, thinning continues. Walnuts late, early varieties look good. Some early apricot, peach, plum harvesting soon. Lemon harvest continues strong. Navel orange harvest closing, Valencia continues, good quality. Bloom started oranges, avocados. Most asparagus to processors. Broccoli good volume Salinas. Cauliflower increased. Carrot peak Imperial. Celery heavy Oxnard, light Orange. Sweet corn started Coachella. Lettuce increasing Salinas; heavy Santa Maria, Oxnard. Onion increasing Bakersfield potato expected to increase. Planting processing tomatoes tapering. Dryland range Central Valley, foothills rapidly drying. Some pastures overgrazed. Supplemental feeding reduced, ranchers moving stock summer mountain ranges. Water supplies ample.

COLORADO: Cold front moved through early week. Heavy rains northeast, 0.50 to 2.33 in. Arkansas Valley, trace to 0.50 in. Mountains up to 7 in. snow. Hail damage vicinity Eads 12th. Temperatures above normal, lows in 30's and 40's, highs 50 to 60° early week to 80's and 90's 16th. Thunderstorms east end of week.

Winter wheat growth behind normal; 61% jointed, 90% 1974, 82% average. Nominal wind damage past week. Corn 74% planted, 88% 1974, 68% average; 31% emerged. Oats 89% seeded, 61% emerged, good condition. Spring barley 91% seeded, 72% emerged, fair to good condition. Sugarbeets 96% seeded, 66% emerged. Fall potatoes 73% planted, 86% 1974, 73% average, 36% emerged. Winter barley 62% jointed, 55% 1974, 70% average. General rainfall eastern plains early in week but soil moisture remains short. Ranges eastern plains fair to poor condition, continue dry.

FLORIDA: Partly cloudy skies, warm days, with afternoon showers and thundershowers, some very heavy. Temperatures averaged slightly above normal. Rainfall moderate to heavy up to 6.00 in.

Hail and strong winds did some damage west central. Soil moisture surplus to adequate west, adequate to short most of north, mostly short south. Corn, peanut planting about complete. Soybean, cotton planting delayed, progressing slowly due to excessive moisture. Crops generally in good condition. Small grain harvest active. Grazing conditions improved slightly in most areas. Cattle, calves are in fair to good condition. Citrus tree condition improved with rain, few areas still need rain. Very little wilt remains. New crop fruit still shedding. Valencia harvest very active. Vegetable harvest continues transition from southern growing areas to central and

northern areas. Potatoes, watermelons, tomatoes volume leaders. Sweet corn supplies increased; cukes, peppers, eggplant steady; beans, cabbage, carrots, celery, lettuce, radishes, squash, watermelons and tomatoes declined.

GEORGIA: Near normal temperatures, minor day to day change. Rainfall variable on 2 to 4 days averaging 0.50 to 1.00 in. southeast, 1.00 to 2.00 in. elsewhere. Greatest nearly 3.00 in. northeast and southwest. Moderate rains statewide 17th and 18th.

Soil moisture surplus except adequate southeast. Fieldwork: 3 days suitable. Tobacco condition declined, mostly fair to good. Some flowering. Budworms a problem. Corn 90% planted, 1974 and average 95%, weeds and insects troublesome. Some laid by in extreme south. Cotton 82% planted, lowest of record, 1974 and average 93%. Condition improved, fair to mostly good. Peanuts 84% planted, 1974 94%, average 93%. Soybeans 23% planted, 1974 39%, average 36%. Small grain condition declined to fair to mostly good. Disease problems increasing. Peaches declined sharply to mostly fair, high moisture problems. Early harvest begun central, continues south. Watermelons fair to mostly good, 91% planted. Vegetable crops mostly fair, still late. Pastures good. Rains delaying hay harvest. Cattle mostly good. Hogs good, some lice problems.

HAWAII: Most areas remain warm and dry except for light mountain showers.

Frequent spraying and heavy irrigation taking place. Vegetable supplies adequate. Supplies of chinese cabbage and head cabbage heavy. Papaya production increasing. Banana supplies light. Pineapple harvest increasing. Sugar harvest active.

IDAHO: Warmer and a little drier. Temperatures averaged a few degrees above normal. Maxima upper 70's and 80's except low 90's southwest and north. Minima 20's higher valleys east, 30's and low 40's elsewhere. Precipitation generally 0.05 to 0.25 in. below normal. Greatest amount 0.62 in. at Orofino.

Farming operations good progress most areas. Favorable weather prevailed. Planting operations full swing lower elevations and starting higher elevations. Moisture adequate to surplus. Progress winter wheat slow with locally severe winter-kill east. Winter wheat condition fair to good. Spring wheat 55% planted, 95% 1974. Spring barley 50% planted, 90% 1974. Sugarbeets 80% planted, 100% 1974. Potato planting good headway southwest and south central, 30% planted State, 60% 1974. Pasture grasses beginning good growth, remain behind normal. Livestock relatively good condition with minor calf and lamb losses.

ILLINOIS: Temperatures 3° below normal to 2° above normal. Light frost north night of 12th. Precipitation 0.33 in. north, trace south. Most rain 14th.

Corn planting 77% complete, 58% 1974, average 56%. Planting most advanced central. Soybean planting 35% complete, 5% 1974, average 13%. Winter wheat good to excellent condition, 60% heading, 80% 1974, average 74%, 15% filling, 34% 1974, average 33%. Oats fair to good. Hay crops good to excellent. Pastures good to excellent, supplying 88% roughage requirements. Soil moisture 6% short, 67% adequate, 27% surplus. Fieldwork: 4.5 days suitable.

INDIANA: Cool then warm. Rainfall only 0.10 to

0.30 in. Lowest temperature 31° on muck soil northwest. Sunny with night humidities little above normal. Evaporation rates about normal. Four week rainfall 0.50 in. Below normal northwest, to 2.50 in. above normal southwest.

Fieldwork averaged 6 days. Topsoil and subsoil moisture mostly adequate. Corn 70% planted, 35% in 1974, 40% average. Soybeans 20% planted, 5% in 1974, 10% average. Wheat 15% headed. Alfalfa hay 5% cut first time, clover hay harvest starting. Both same as average. Few tobacco plants set, 15% in 1974. Pastures improved, fair to mostly good. Oats 6 in. high.

IOWA: Temperatures averaged up to 3° above normal. Precipitation well below normal averaging 0.10 in. or less.

Finest week of the season, thus far. Fieldwork averaged 6 days suitable. Corn planting 75% complete, 72% 1974 and average. Oat planting virtually complete. Soybean planting 22% complete, 14% 1974, 23% average. Plowing 91% complete. Topsoil moisture 7% short, 86% adequate, 7% surplus. Condition of growing crops: oats mostly fair to good; clover hay mostly good; alfalfa hay mostly good; and pasture fair to good. Moisture would be welcomed in most areas of State.

KANSAS: First half of week temperatures below normal with scattered showers and thunderstorms over State, 1.00 to over 2.00 in. west and south. Last half of week warming trend. Temperatures 62 to 65° near to slightly below normal extreme east and from 1 to 4° above normal elsewhere.

Wheat condition improved with needed rains. Wheat in heading stage 35%, 70% 1974, 55% normal. Corn 70% planted, 75% 1974, 65% normal. Soybean 10% planted equal to normal and average. Sorghum 15% planted equal to normal and average. Range and pasture conditions improved with rain.

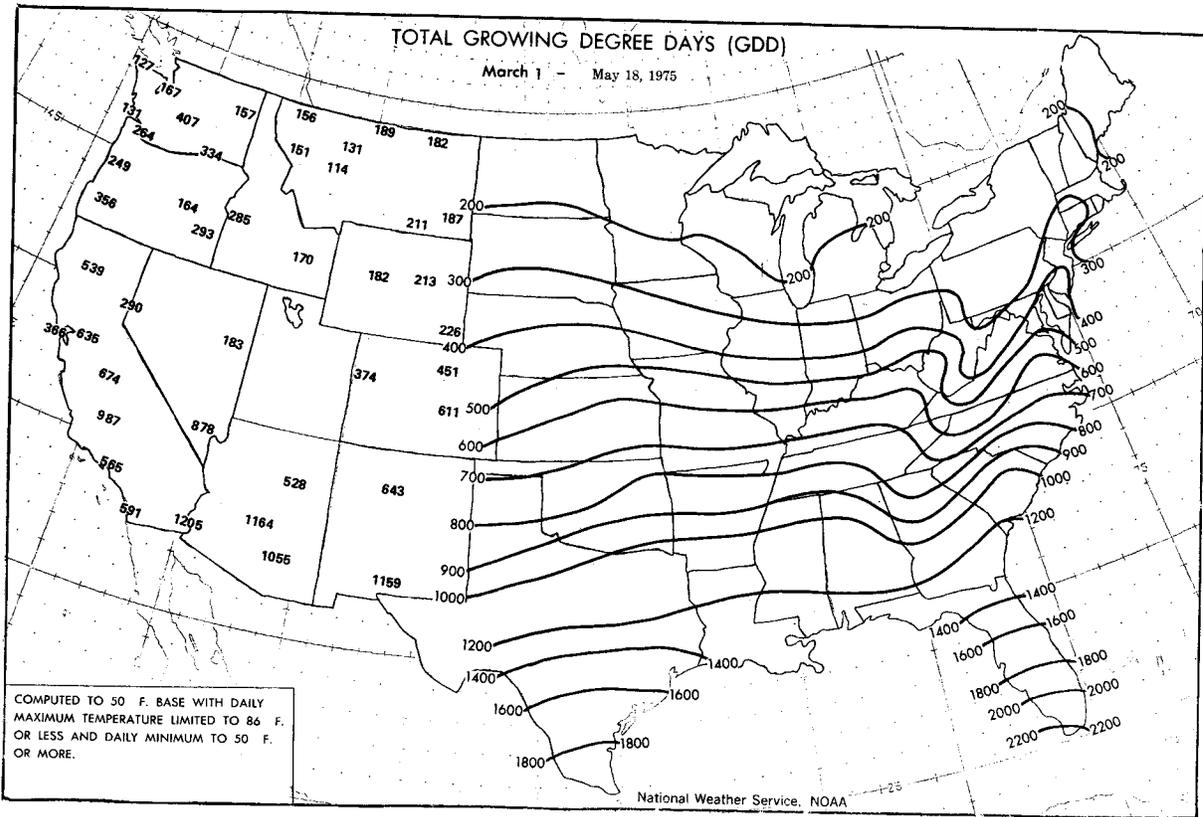
KENTUCKY: Mild through week and warm 18th. Temperatures averaged near normal with scattered showers and thundershowers. Precipitation averaged 0.50 in. west to 2.00 in. east with some locally heavy amounts of 4.00 to 6.00 in.

Fieldwork favorable 4 days. Soil moisture 31% surplus, 67% adequate, 2% short. Corn 57% planted, 74% 1974, 50% average. Soybeans 9% planted, 13% 1974, 7% average. Wheat 22% blooming, 60% headed or heading, 18% boot. Tobacco plants 82% normal, setting expected to start May 28th, 10 days later than 1974. Alfalfa 18% first crop cut. Pastures good to excellent.

LOUISIANA: Temperatures 1 to 3° below normal. Temperature extremes: 91° Alexandria on 18th, 58° Shreveport and Homer late week. Rain varied from less than 0.25 in. to more than 3.00 in. Greatest 1-day total, 3.11 in. Tallulah on 16th.

Excessive soil moisture hindered fieldwork, restricting farmers to routine chores, ditching and machinery maintenance. Soil moisture surplus. Fieldwork: 2.0 days favorable. Cotton planting 20%, 90% 1974, 81% average. Some replanting necessary. Corn 65% planted, 92% 1974, 79% average. Stands poor to good. Soybeans 5% planted, 32% 1974, 26% average. Rice seeding about finished central and south, 40% north; 90% statewide. Stands fair to good. Sugarcane fertilization, cultivation and weed control behind schedule, growth improving. Sweetpotato transplanting 30% complete, below normal. Strawberry harvest virtually complete. Small grain harvest underway. Pastures improving as warm season grasses begin to grow. Cattle good to fair.

MARYLAND AND DELAWARE: Temperatures near normal.



Highs, low 70's to mid-80's and lows, low 40's to low 50's. Garrett County low 35°. Precipitation throughout, 0.15 to 2.62 in. Weekend sunny and warm.

Wet soils hampered fieldwork. Fieldwork light except for Lower Eastern Shore. Topsoil moisture mostly surplus. Corn 50% planted, 83% 1974, 66% average. Soybean planting started. Small grains and hay crops made good growth. Barley 90% headed, wheat 25%. Alfalfa cutting slow, clover mixtures just starting. Tobacco growers selling 1974 crop. Tobacco plant growth behind normal, 1% transplanted, 5% 1974. Vegetable planting made good progress southern shore areas, cantaloups and watermelons 80%. Strawberry harvest should peak on 30th. Good apple and peach prospects.

MICHIGAN: Temperatures normal to 6° above normal north. Maximums increasing to 80's at week's end. Lows near freezing northern Lower Peninsula. Rain midweek, 0.04 to 0.79 in.

Corn planting major activity, 4.5 days fieldwork. Soil moisture adequate. Pasture feed supply below average north. Plowing caught up, 70% completed. Seeding oats 80%, 87% 1974, 83% average. Corn 45% planted, 32% 1974, 43% average. Sugarbeets 95%, 91% 1974, 83% average. Potatoes 40% and soybeans just started. Wheat and grass are good except yellowing in low areas. Tree bud and bloom are late but in good condition. Most fruit past full bloom south. Apples in full bloom. No frost or freeze damages. Asparagus harvesting reached 25%.

MINNESOTA: Warm, dry week. Temperatures 1 to 5° above normal. Extremes: 70's and 80's to upper 20's and 30's. First 90° temperatures over week-

end southwest. Precipitation 0.10 to 0.75 in., 1.00 in. below normal.

Spring work made favorable headway most areas. Several low lying fields too wet and many fields still have wet spots. Small grain seeding almost completed southwest, 25% done in important northwest. For State, spring wheat 57% planted, 1974 39%, average 67%. Barley 41% planted, 1974 27%, average 59%. Oats 65% planted, 1974 67%, average 79%. Flax planting 38% completed, 1974 41%, average 52%. Corn 45% planted, 1974 58%, average 65%. Soybeans 19% planted, 1974 15%, average 25%. Several early small grain and few early seeded corn fields have emerged. Sugarbeet crop 60% planted, 1974 5%, average 52%. Planting canning peas 70% completed. Sweet corn for processing 38%, average 39%. Potatoes 39% planted, average planted 28%. Pasture and hay growth slow but few beginning to furnish feed for livestock.

MISSISSIPPI: Numerous showers and thundershowers. Rainfall averaged 3.26 in. northeast to 1.00 in. south. Temperatures slightly subnormal. Extremes: 93 and 48°.

Soil moisture surplus to excessive. Fieldwork: 1.9 days suitable. Cotton 39% planted, 89% 1974, 79% average; 22% up to stand, 68% 1974, 51% average. Soybeans 4% planted, 22% 1974, 19% average; 2% up to stand. Corn 53% planted, 78% 1974, 69% average; 40% up to stand. Rice: 42% planted, 79% average; 27% up to stand. Wheat 17% ripe. Oats 20% ripe. Sorghum 14% planted, 23% 1974, 31% average. Sweetpotatoes 24% planted. Peanuts: 18% planted. Cotton, corn, rice, soybeans and truck crops mostly fair condition. Wheat, Irish potatoes, pastures and livestock fair to good condition. Peaches in poor to fair condition.

MISSOURI: Precipitation light, averaging 0.10 to 0.15 in. Temperatures cool, ranging from 2 to 4° below normal. Bootheel precipitation averaged 0.40 in. while temperatures averaged 1° above normal.

Fieldwork: 5 days suitable. Corn 68% planted, 74% 1974, 61% average. Cotton 78% planted, 79% 1974, 74% average. Grain sorghum 29% planted, 29% 1974. Soybeans 21% planted, 15% 1974, 14% average. Wheat 83% jointed, 54% headed; 74% headed 1974, 62% average. First cutting alfalfa 11% harvested, 13% 1974, 16% average. Soil moisture adequate.

MONTANA: Warm with precipitation spotty. Temperatures averaged 2 to 6° above normal. Highest 80's. Precipitation below normal with local areas of heavy showers early south.

Good planting progress, but still behind normal. Planting progress compared to normal: Spring wheat 25%, 80% 1974, 67% normal; barley 25%, 65% normal; oats 20%, 57% normal; sugarbeets 35%, 78% normal; potatoes 5%, 27% normal. Corn and beans are about 5% seeded. Winter wheat good to excellent, mostly good. Emerged spring grain condition fair to good. Soil moisture adequate. Range feed short but grasses starting. Nearly 45% cattle and sheep on supplemental feed. About 30% cattle and sheep moved to summer ranges.

NEBRASKA: Temperatures 5° above normal Panhandle, near normal remainder. Scattered shower activity. Heavier amounts over south and Panhandle up to 1.50 in.

Fieldwork: 5.0 days suitable. Winter wheat fair to good condition. Thin, spotty stands experiencing weed infestations, 45% of wheat jointed. Corn 65% planted, near normal for date, 85% 1974. Sorghum and soybeans 15% planted, near normal, year ago both 20% completed. Alfalfa good condition beginning first cutting. Alfalfa weevils increasing. Wild hay fair to good condition. Topsoil moisture supplies short 22%. Subsoil moisture supplies short 75%. Pasture and range feed supplies short 69%.

NEVADA: Temperatures averaged above normal first time this season. Extremes: 97° Logandale, 23° McDermitt. Precipitation spotty and light.

Spring planting nearing completion. Irrigation underway all areas. Ranges fair to good. Irrigation water supply good to excellent.

NEW ENGLAND: Rainfall occurred 4 days with 2.50 in. southern areas. High temperatures 70 to 80°, lows in 40's.

Warmer weather and showers improved growing conditions. Season still 10 days late, but catching up. Soil preparation, seeding corn, oats and potatoes active. Pastures short but growing. Fruit in bloom.

NEW JERSEY: Temperatures averaged 3 to 5° above normal. Extremes: 40° at Long Valley and 82° at Flemington on 14th. Rainfall excessive, averaged 1.80 in. north, 2.10 in. central, 1.90 in. south. Heaviest 24-hour total 3.80 in. at Chatsworth, evening 13th. Hail fell on 13th from one end of State to other. Northern parts accumulation up to 2.5 in.

Widely scattered hail on 13th caused isolated crop damage. Soil moisture excessive on some heavy soils. Vegetable planting continues. Earlier plantings growing nicely. Apples in petal fall stage. Blueberries and strawberries in full bloom. Rye and barley in head. Wheat making good growth. Field corn and soybean planting active

where soil conditions permit. Alfalfa weevil damage reported.

NEW MEXICO: Winds continue dry out moisture. Topsoil mostly short, subsoil adequate.

Some hail south, little or no crop damage. Cotton planting complete south, 50% north, some fields good stands. Alfalfa fair to good. Alfalfa weevil serious Quay County, many fields damaged. Treatment underway. Harvest begins north next week, 50% 1st cut south. Wheat fair to good, jointing 90%, heading 75% on irrigated. Greenbug increasing Quay County. Barley fair to good up to stand. Corn planting near complete east, remainder State 50%. Grain sorghum planting continues. Seed corn maggot heavy Curry County, reduction seed germination expected. Lettuce harvest continues. Apples fair, northern area large portion crop lost from early spring freeze. Pecan blooming underway south. Range fair, moisture needed. Livestock fair to good, moving to mountain ranges.

NEW YORK: Temperatures 3 to 8° above normal, greatest departures east interior. Extremes: 82° Cobleskill, 33° Saranac Lake. Precipitation above normal southeast, below normal elsewhere. Heaviest in coastal. Rain general on 12th and southeast 15th and 16th. Extremes: 1.72 in. New York City on 13th and 1.35 in. Bridgehampton 15th and 16th. Temperatures warmer 17th and 18th.

Best week of season for fieldwork. Good progress planting corn as 27% planted, 1974 15% and average 17%. Oats 75% planted, early seedings up and growing well. Warm sunny weather promoted growth and improved condition of wheat, hay and pastures. Grazing increasing rapidly as available hay decreases. Early planted potatoes Long Island emerging, planting continues upstate. Onions, lettuce, celery growing well most areas. Planting corn and snap beans for processing just beginning. McIntosh reached full bloom Hudson Valley, Champlain Valley pink stage.

NORTH CAROLINA: Temperatures averaged near to slightly above normal with rainfall frequent. Precipitation 1.50 to 2.50 in. west, generally less than 1.00 in. east.

Fieldwork: 3.7 days suitable. Soil moisture 4% very short, 25% short, 51% adequate, 20% surplus. Flue-cured tobacco 74% transplanted, 1974 72%, average 64%. Burley tobacco 12% transplanted, 1974 10%. Flue-cured beds fair to good condition. Corn 89% planted, 1974 84%, average 78%. Cotton 90% planted, 1974 92%, average 83%. Peanuts 79% planted, 1974 68%, average 63%. Soybeans 27% planted, 1974 22%, average 28%. Pastures mostly fair to good. Sweetpotato 29% set, 1974 35%. Peaches 31% fair, 62% good, 7% excellent. Migrant labor supplementing seasonal labor, adequate for demands.

NORTH DAKOTA: Temperatures above normal, ranging 5° above northwest to 1° above central, southeast and northeast. Extremes: 89° at Ft. Yates to 26° at Riverdale. Greatest precipitation 1.08 in. at McHenry and Devils Lake. Weekend occasional evening thundershowers with mostly sunny days and near normal temperatures.

Hard red spring wheat 30% planted, 1974 35%, normal 71%. Durum wheat 20%, 1974 16%, normal 58%. Oats and barley about 25% planted. Normal progress 60%. Row crop planting started. Soil moisture mostly adequate to plentiful. Pastures fair to good. Some livestock moved to pastures.

OHIO: Temperatures near normal ranging 85° northwest to 39° northeast. Precipitation less

than 0.10 in., except south. Greatest amount 1.42 in. extreme southeast. Light hail south-east on 12th.

Corn 75% planted, 75% 1974 and 60% normal. Soybean planting 35% complete, 30% 1974, and 20% normal. Wheat 40% jointed, about normal. Oats 80% emerged, same as 1974. All crop conditions mostly good. Potatoes 70% planted, 65% normal. Apple bloom heavy: Peach bloom moderate to heavy. Sugarbeet emergence very good. Soil moisture 30% short, 68% adequate and 2% surplus. Over 6 days favorable for fieldwork.

OKLAHOMA: Temperatures averaged from normal to 3° subnormal. Precipitation averaged from 1.20 in., east central to 3.30 in. north central. Weekend warm and rain occurred few areas.

Wheat 15% dough stage, 49% dough 1974, 38% average. Barley 95% headed, 100% 1974, 98% average. Oats 91% headed, 94% 1974, 91% average. Light army worm infestation small grains nearly state-wide. Southwestern farmers taking control measures. First cutting alfalfa 59% complete, quality below average. Grain sorghums 21% planted, 27% 1974. Corn 94% planted, 30% up to stand; 1974, 47% up to stand. Cotton 24% planted, 32% 1974. Peanuts 14% planted, 10% 1974. Soybeans 34% planted, 8% 1974. Pastures growing rapidly. Cattle gaining well, few health problems.

OREGON: Temperatures 3 to 5° above normal. Maximums in 70's and 80's. Minimums averaged in 30's and 40's. Precipitation along coast ranged 0.04 to 1.08 in. Inland valleys 0.15 to 0.42 in., east of Cascades 0.10 in. or less.

Field crops in fair to good condition. Fieldwork increasing. Summer-fallowing, liming, weed control, and irrigation continuing. Barley heading out north. Hay cutting beginning in Willamette Valley. Good pollination weather continuing at Hood River. Blossom thinning sprays being applied on apples. Sprays being applied on walnuts and filberts. Strawberries blooming. Caneberries at prebloom stage. Green peas nearing bloom. Early row crops emerging. Row crops continue to be planted. Early salad vegetables, asparagus, and rhubarb being harvested. Potato planting continues. Early plantings have emerged. Range and pastures in fair to good condition. Livestock in adequate condition.

PENNSYLVANIA: Mild, wet week. Showers and thunderstorms early week, 15th and 18th. Rainfall totaled 1.00 to over 2.00 in. east and central, 0.25 to 0.50 in. west. Temperatures 2 to 6° above normal east and south, near normal central and northwest. Maxima 60's and 70's, minima upper 30's to 50's. Extremes: 81 and 35°.

Soil moisture adequate to surplus. Crop development and field progress good. Activities: Plowing, planting, grape tying, spraying fields and orchards. Plowing 81%, 80% 1974. Oats 93% planted, 1974 89%. Potatoes 61% planted, 1974 69%. Corn 41% planted, same as year ago. Barley 16% head, 1974 18%. Wheat 28% boot, same as 1974. Hay condition good to fair. Peaches 75% full bloom, week behind 1974. Alfalfa first cut 9%, all for silage. Amount of feed from pastures average.

PUERTO RICO: Island average rainfall 0.60 in. Highest weekly total 5.84 in. at San Sebastian. Highest 24-hour total 1.60 in. at Rincon. Temperatures averaged about 79° on coasts and 73° interior. Extremes: 54 and 94°.

Sugarcane harvest continued normal except

western. Dry weather affecting development of new plantings and ratoons. Some preparation of soil for planting and fertilizing. Rains needed on coffee farms for normal development of bean. Dry weather favored tobacco harvesting and drying. Pastures continued suffering from lack of rain. Soil too dry in nonirrigated areas for optimum development of food crops. Planting has started in areas where it rained.

SOUTH CAROLINA: Rainfall above normal. Mountains averaged 6.00 in. rainfall, north central 5.00 in., northwest 2.80 in., south 2.50 in. Repeated showers, thundershowers occurred over Piedmont and mountains. Cloudiness, rainfall kept daytime temperatures below normal.

Cotton planting behind schedule, 88% planted, 92% 1974, 92% average. Corn condition good, 95% planted, 95% 1974, 96% average. Soybean planting 23%, same as 1974 and 21% average. Budworm spraying continues in tobacco fields. Small grains having problems with armyworms. Grain hays 35% harvested, 65% 1974, 40% average. Sweetpotatoes 27% planted, 65% 1974, 40% average. Peach condition good.

SOUTH DAKOTA: Warm and sunny with light precipitation. Extremes: 25° Summit 15th, 92° Philip 16th. Precipitation below normal, heaviest 0.80 in. north of Aberdeen.

Fieldwork made rapid progress, still behind normal. Spring plowing 81% complete. Spring wheat 82% seeded, virtually complete 1974 and normal. Oats 90% seeded, essentially complete 1974 and normal. Barley 86% seeded. Flax 35% complete. Corn 51% planted, 1974 51%, normal 54%. Soybeans 18% planted, 1974 15%, normal 18%. Sorghum 9% planted, 1974 10%, normal 8%. Growth and development of winter wheat and pasture made good to rapid progress. Branding and vaccination of calves in full swing as livestock are moved to pasture.

TENNESSEE: Frequent showers occurred from midweek through 18th. Amounts ranged from 0.50 to 3.50 in. Cumberland Plateau and Highland Rim areas. Temperatures averaged mid-60's east and lower 70's west.

Corn 70% planted, 1974 60%, average 65%. Cotton 62% planted, 1974 52%, average 66%. Soybeans planted 14%, 5% and 13%. Wheat and barley 90% headed, oats 85%. Near normal and 1974 for all 3 crops. Wheat 7% yellow, 1974 was 26%, average 15%. Oats 11% yellow, 1974 17%, average 10%. Hay harvest shows good yields but hampered by rains. Tobacco plants small, late and short supply, 10% transplanted, 1974 13%, normal 14%.

TEXAS: Warm, moist, unstable air caused scattered showers, thunderstorms. Cold front 13th, 14th produced heavy rains east. Rainfall averaged near normal, except far west which remained dry. Rainfall ranged from near 2.00 in. north to less than 0.10 in. far west. Temperatures near normal, middle 60's over Panhandle to 60 upper 70's across extreme south. Wheat, oat, flax harvest on schedule though some delays by wet weather. Planting cotton, corn, sorghum generally behind, but good progress. Some replanting necessary due rain and hail damage Low Plains south. Most wheat crop headed out, rapidly approaching maturity. Harvest to start Low Plains in week to ten days. Moderate wind, hail damaged oats from Low Plains south. Part of crop baled for hay rather than harvested for grain crop. Cotton: Planting excellent progress High Plains, starting Low Plains. Most areas adequate moisture for seeding dryland crop. Few fields Blacklands, South Central hailed or flooded out will need replanting. Sorghum: Planting good

progress High, Low Plains where moisture generally adequate for seeding. Large part crop headed out Coastal Bend, South, Lower Rio Grande Valley where dryland potential continues decline. Major crops, percent planted: Cotton 1975 46, 1974 50, average 47; corn 1975 93, 1974 96, average 94; sorghum 1975 70, 1974 61, average 52; peanuts 1975 31, 1974 25, average 23; rice 1975 98, 1974 95, average 94; soybeans 1975 3, 1974 14, average 11. Major crops percent harvested: Wheat 1975 1, 1974 1, average 1; oats 1975 4, 1974 -, average 6; flax 1975 93, 1974 76, average 69. Lower Rio Grande Valley: Onion harvest begun to slow. Cantaloup, honeydew melon; early bell pepper harvest continues. Coastal Bend: Watermelon, tomato harvest underway. Some potatoes rotting due excess moisture. Central: Some watermelon, tomato damage due hail, high wind. East: Watermelon, sweetpotato planting slowed by rain.

Trans-Pecos: Onion, cantaloup harvest underway. Peach harvest continues in south. Some droppage central due insects, excess moisture. Harvest early varieties soon in Cross-Timbers. Pecans set good. Spraying casebearer most areas. Citrus good condition. Range, grazing conditions improved following recent rains. Exception, South where short moisture, overgrazing result malnutrition losses. First cuttings alfalfa High Plains to Coastal Bend. Sheep shearing continues move toward completion Edwards Plateau. Screwworm cases increased South, recent rains conducive further outbreaks.

UTAH: Few scattered showers south late week, otherwise no precipitation. Amounts of moisture less than 0.25 in. Average temperatures above normal for first time in two months. Averages ranged from near normal to over 5° above.

Land preparation and spring planting moved ahead rapidly as weather conditions improved. Small grain planting nearly complete, field corn 40%, sweet corn 20% and potatoes 14%. Spring wheat 55% emerged, oats 45% and barley 54% of the small grains planted. Sugarbeets still being planted. Retarded range and pasture feed development causing hay and feed shortages.

VIRGINIA: Temperatures near normal except slightly below southwest. Extremes: 86 and 37°. Rain, thundershowers through week southwest. Generally 0.75 to 1.50 in., except 0.75 in. or less southeast.

Fieldwork: 4.0 days favorable. Topsoil moisture 64% adequate, 24% surplus, 12% short. Planting progress: Corn 65%, 1974 79%, average 77%; some replanting necessary. Soybeans 9%, 1974 14%. Peanuts 65%, 1974 58%. Flue-cured tobacco 9%, 1974 14%. Plants are scarce, many obtained from southern growing areas. Fire-cured 4%, 1974 7%. Small grains good condition, plants heading out shorter than normal. Harvest of ensilage, hay. Fruit prospects good, hail damage southwest. Peach leaf curl prevalent. First hay cuttings light. Alfalfa weevil damage severe. Hay, pasture improved condition.

WASHINGTON: West: Precipitation early totaled 0.20 to over 1.00 in.

Planting: Green peas, sweet corn, broccoli, cauliflower, carrots and strawberries. Strawberries, raspberries, blueberries, cabbage and mustard seed in bloom. Harvest of field rhubarb nearing completion. Excellent pasture and silage growth. Dairymen making grass silage and green chop. Livestock on full pasture or green crop. East: Precipitation totals from 0 to 1.00 in.

Growing conditions excellent. Planting: field corn, dry beans, green peas, potatoes, peas, lentils, spring wheat. Weeding and thinning sugarbeets. Cutting asparagus. Fruit blossoms developing rapidly, but apples and pears later than normal. Winter wheat fields weedy, especially where plants small. Bluegrass seed fields thriving. Alfalfa growing normally with small fields being cut. Ranges improved. Most cattle turned out, with little supplemental feeding.

WEST VIRGINIA: Temperatures near normal. High 84° at Romney, low 33° at Canaan Valley. Precipitation every day except 14th. Rainfall 1.00 in. average.

Fieldwork: 2.7 days suitable. Soil moisture surplus to adequate. Main farm activities: gardening, fencing and planting corn. Condition of growing crops good, all improved significantly. Planted: Spring oats 82%, potatoes 84%, corn 41%. Tobacco emerged 94%. Spring plantings continue behind 1974. Emerged tobacco ahead of 1974. Cattle generally good condition, some still thin from short hay supply. Dairy cows still calving, most beef cows have calved. New calves good condition.

WISCONSIN: Temperatures averaged 1° above normal. Warmest of season on 18th with some 90's south and 80's elsewhere. Sunny week except 14th and 15th when scattered showers and thunderstorms. Locally heavy amounts east central but less than 0.50 in. elsewhere. Beautiful weekend weather until few isolated thunderstorms late 18th.

Great week for planting crops. Oats 95% seeded, 1974 98%, normal 95%. Corn 45% planted, 1974 30%. South and central well advanced on corn planting. Soybeans 1% planted, 1974 1%, normal 10%. Spring plowing 75% done, same as 1974 and normal. Early peas in, early potatoes finished in central sands. Sweet corn and other vegetable crops being planted. Fruit trees in bloom, tobacco beds being seeded. Hay and pastures growing rapidly. More winterkill noted in hay fields central and east. Soil moisture 5% short, 85% adequate, 10% surplus. Light soils need rain.

WYOMING: Warmed considerably, most temperatures above seasonal normals in upper 70's and 80's. Lows mostly 30's. Precipitation scarce and below seasonal.

Planting progressed rapidly but still 1 to 3 weeks behind 1974. Spring wheat, oats 50% seeded, 30% emerged. Barley 65% planted, 35% emerged. Sugarbeets 80% planted, 30% emerged. Corn 45%, potatoes 15% planted. Topsoil moisture short southeast, south central, adequate elsewhere. Winter wheat prospects fair to good. Alfalfa prospects good. Stockmen branding, docking, preparing to move to summer ranges. Calving 90% complete. Range sheep: 60% lambled, 80% shorn. Farm flocks: 95% lambled, 85% shorn. Cattle 65%, sheep 75% of roughage received from grazing.

WORLD AGRICULTURE WEATHER SUMMARY

HIGHLIGHTS: World crop prospects look pretty good at this time. North American crops are generally in good shape and planting, although delayed in spots, appears to be advancing well. The same is true in most of Europe where April began with snow and cold and ended rather warm. In the USSR, however, it has been mostly warm, windy and dry in many important agricultural areas. Timely precipitation during the growing season will be especially needed this year.

Spring rains have improved conditions considerably in China where Manchuria remains as the only large dry area. There are signs in mid-May that the rainy season is beginning even there.

Prolonged dry weather has eroded prospects in Greece, with normally dry summer coming up. April was unusually hot and dry in Thailand and Indochina causing stress to early seeded crops, shower activity has increased in May.

GRAIN: Winter grains are doing nicely in North America with problems limited mostly to areas that are prone to be dry. Mexico is harvesting what may be a record wheat crop. However, drought reduced sorghum production in the important state of Tamaulipas.

In Europe, growth of winter grains was slowed by cold in many countries. The weather has tended to be much warmer since April 20, and crops have made up some of the lag. Although early April cold also delayed wheat growth in the western Mediterranean region, above normal precipitation was beneficial and materially improved wheat yield prospects in Spain, Portugal, Morocco, and Algeria.

In April precipitation was above normal in Western European USSR, Krasnodar Kray, and much of the eastern half of the New Lands. The middle and lower Volga, North Caucasus (except Krasnodar), southern Urals, and western Kazakhstan were quite dry. Temperatures ran 10-15 degree F. above normal and it was often windy with blowing soil on occasions, especially in the south and east. High pressure has continued to dominate much of European USSR, Kazakhstan, and western Siberia in May. Good rains again seemed to be limited to the Black Sea vicinity and west of the Dnepr. It has been rather cold in the Kazakh Upland and West Siberian Plain, but often hot and windy in much of the winter wheat and western spring wheat zones. Although crops are reported to look good and winterkill was minimal, high production would seem to depend on timely, soaking rains in the next several weeks. For corn, of course, they will be needed over a much longer period.

Seeding has begun in the Canadian Prairie Provinces with improved soil moisture. European growers have caught up with planting after a slow start and are now close to schedule. Europe's biggest problem rests in reduced acreage of winter grains caused by the wet fall. Acreage that would have gone to these grains has shifted to lower yielding spring small grains, corn, sugarbeets, and the like.

Corn and sugarbeets in particular have replaced winter wheat in both Eastern and Western Europe.

Rainy weather began in north China in mid-April after a prolonged dry spell. Considerable blowing soil occurred April 4th to 14th. The rains were in time to enhance heading and filling of winter wheat and provide a nice start for corn and soybeans. The rainy season shows signs of getting underway in Manchuria where conditions have been dry and less than ideal for spring wheat.

In Thailand near record heat and dry weather threatened corn, sorghum, and other early-seeded crops in April. Shower activity has picked up in May and temperatures have tended to be more moderate.

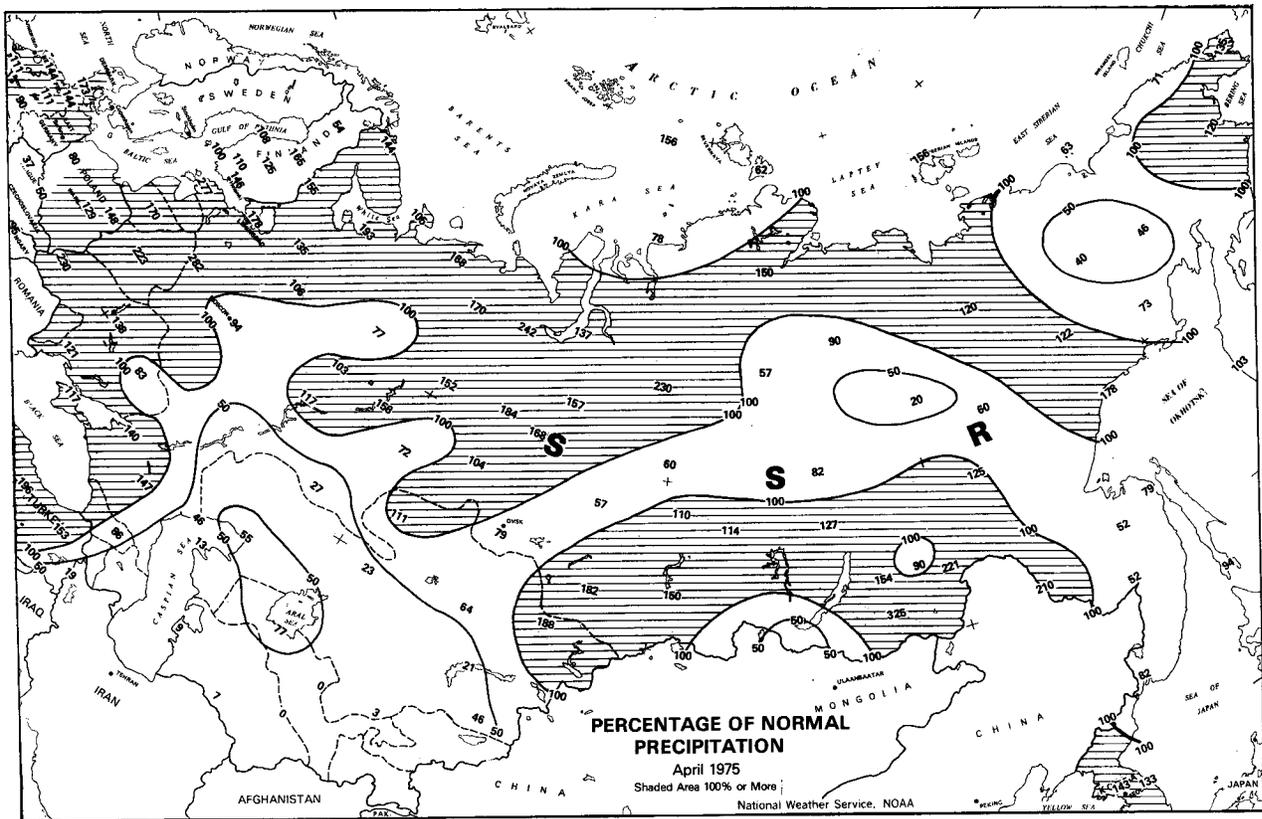
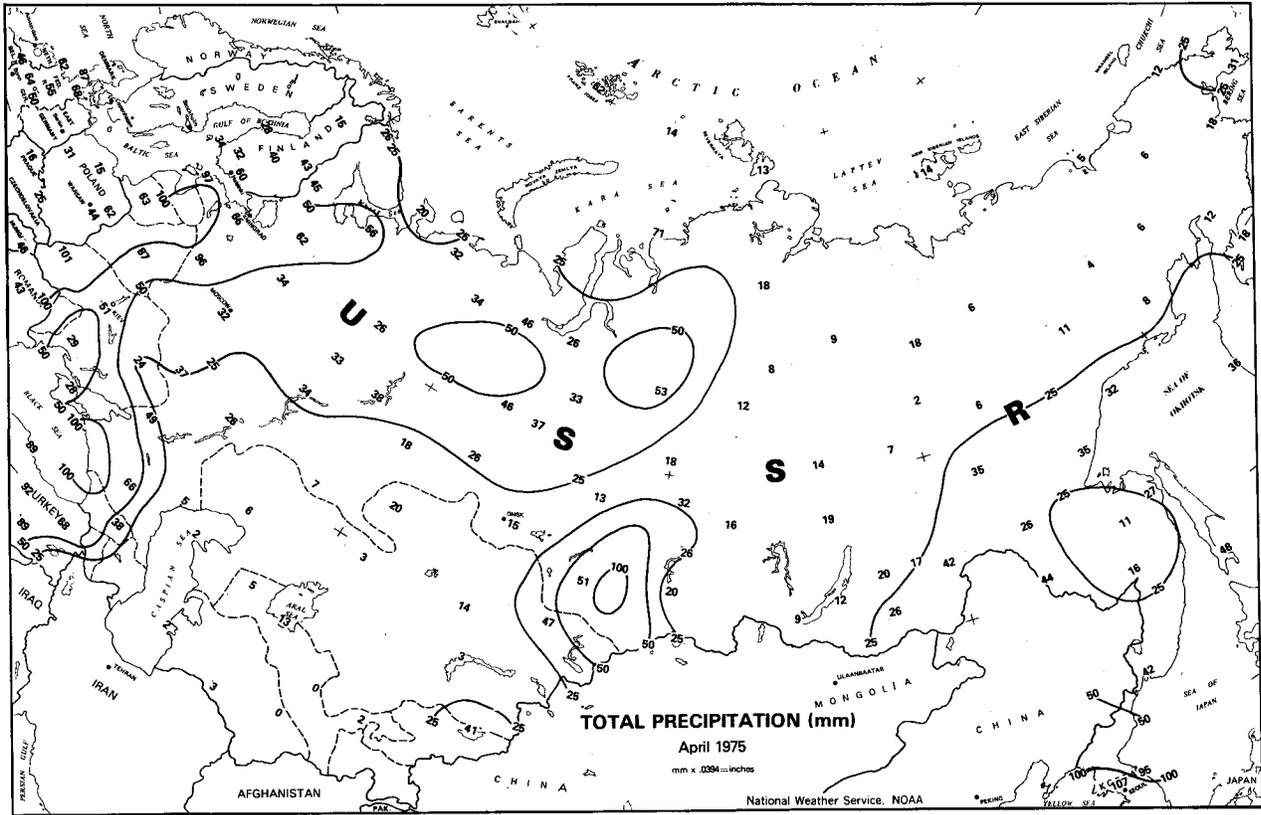
High yielding varieties grown on irrigated land in India and Pakistan accounted for increased production despite below normal rainfall. Harvest is in progress and India expects a near record production of food grains including a wheat crop almost equal to the record one of 1971-72. The "Boro" rice crop, improved by recent rain, is being harvested in Bangladesh. Good weather for maturing and harvesting corn and sorghum in S. Africa has increased production estimates and is writing a happy ending to a deal that started too dry, then almost disastrously wet.

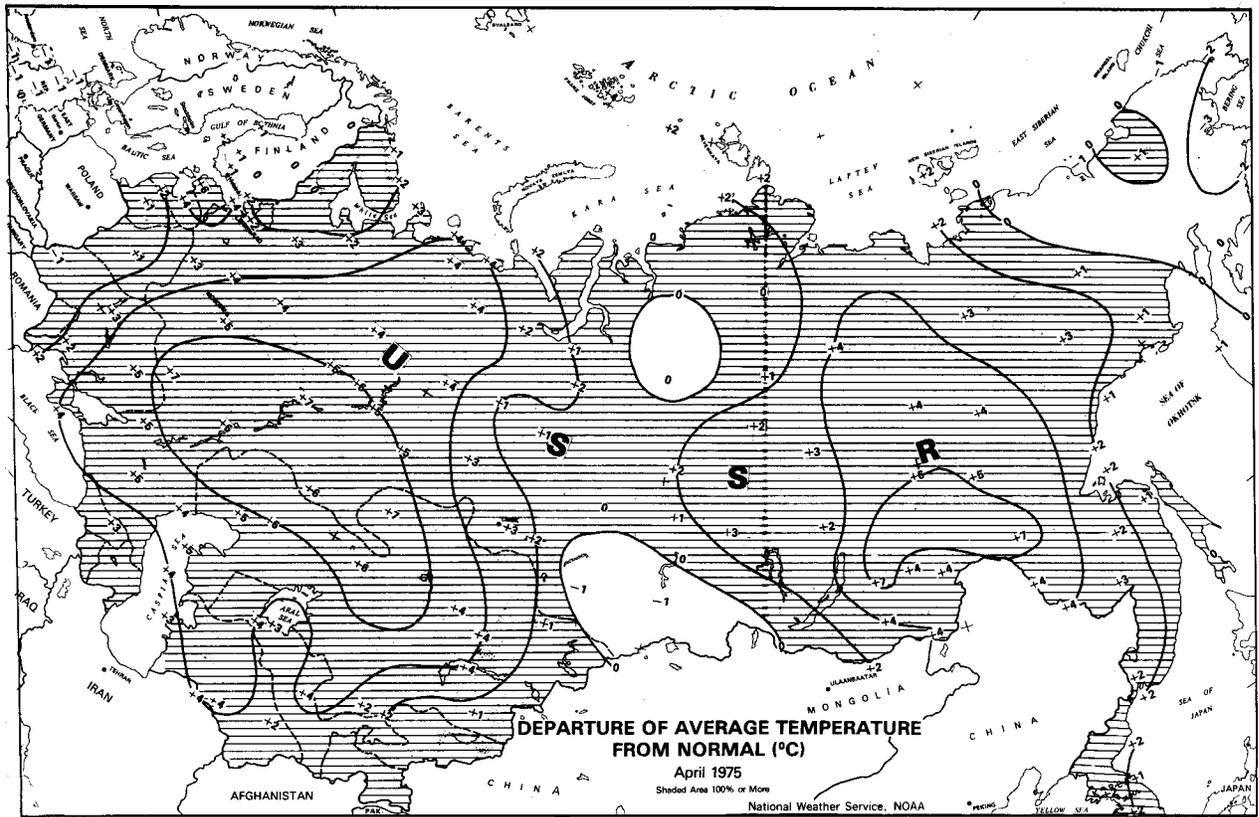
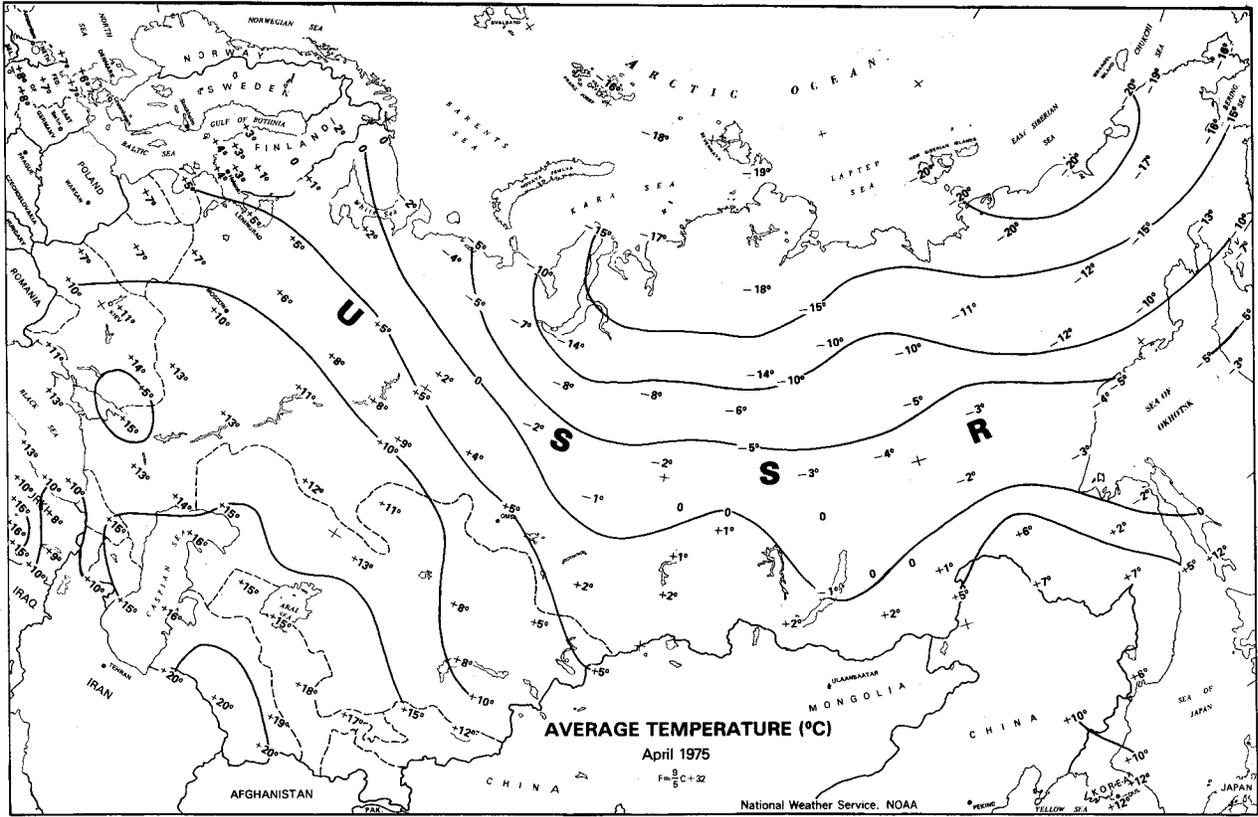
SUGAR: Wintry-like weather in much of North America and Europe retarded planting of sugarbeets to mid-April and damaged young beets in Spain. Since then less frequent precipitation and more seasonal temperatures allowed growers to catch up and generally meet optimum schedules. Planting advanced ahead of normal in most of the USSR. Beets are off to a very good start in Turkey and Iran. Extended drought has limited irrigation water supplies in Greece and diminished production prospects. And a long period of sub-normal rainfall continues to stress sugarcane (and tobacco) in much of The Caribbean.

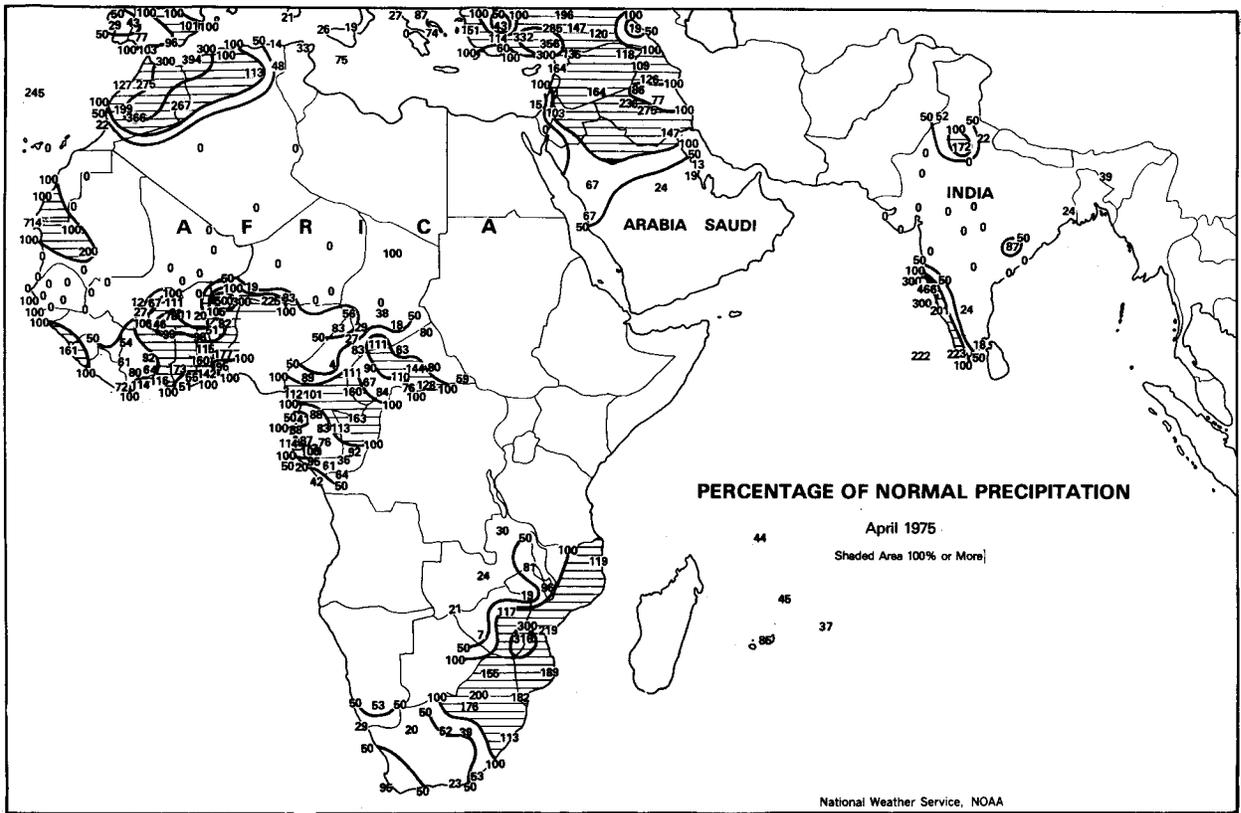
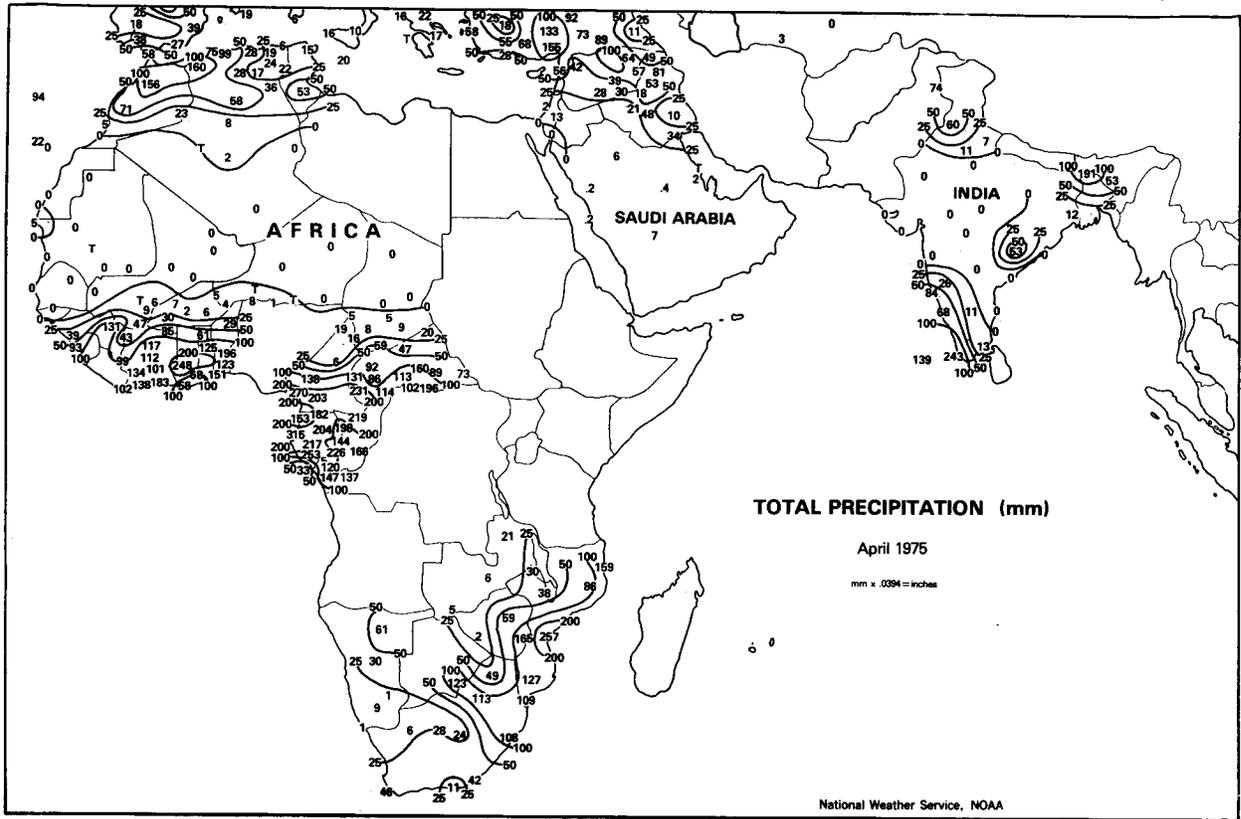
HORTICULTURE: Spring cold caused much damage to deciduous fruits and nuts in Spain and France, and affected fruits to a lesser extent in other countries of western Europe. The late spring and saturated soils have caused some concern among German hop growers. And the drought in Greece would be expected to limit fruit and vegetable production.

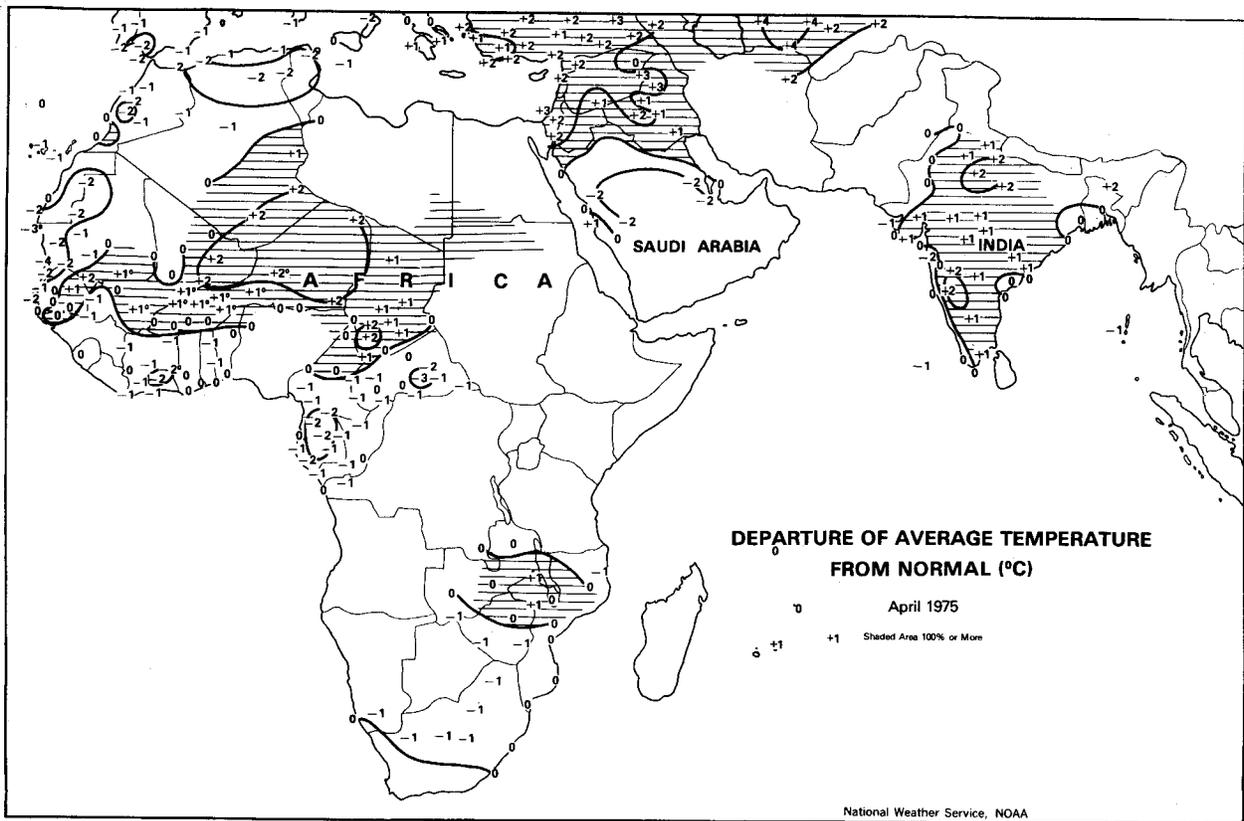
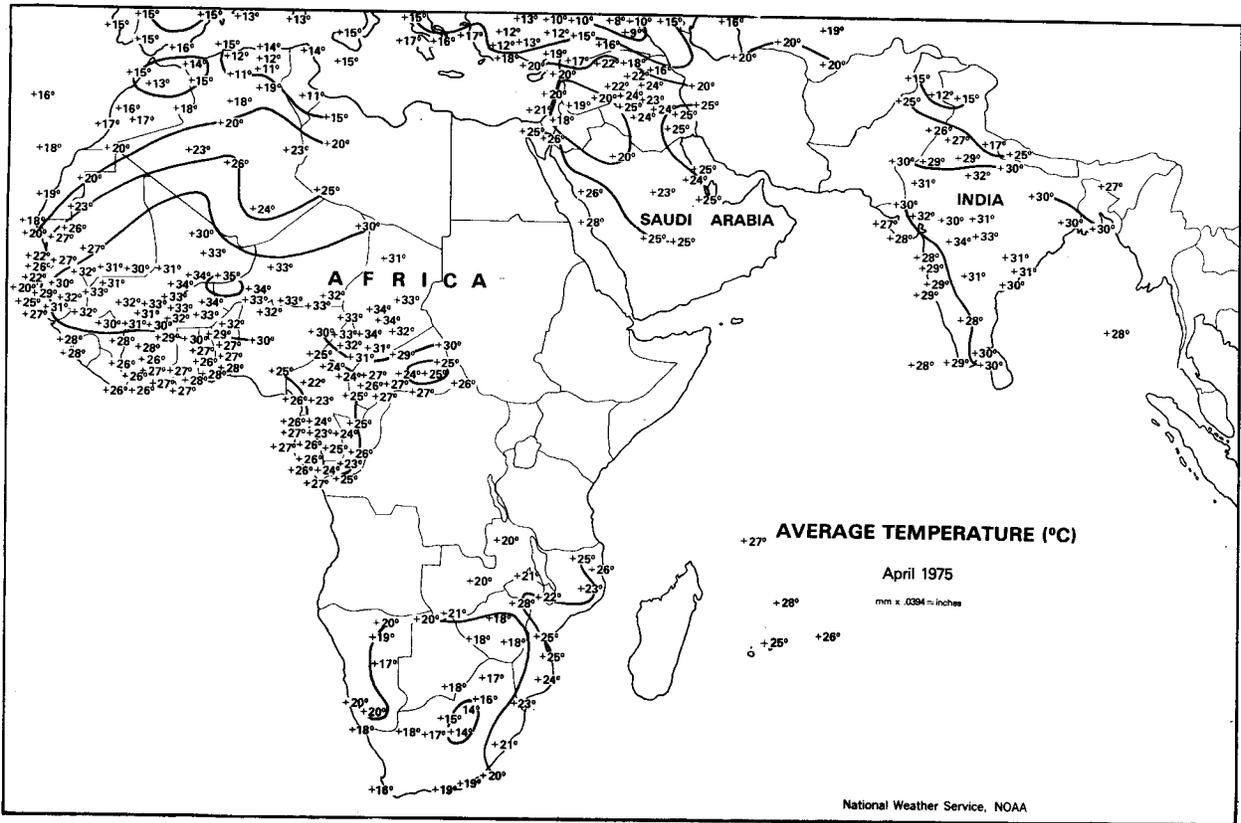
FORAGE: Wintry-like weather limited forage availability in much of North America and Europe until May, while these crops provided unusually early feed due to a mild winter and spring in the USSR. By and large, weather has been favorable for pastures in China, Brazil, and Argentina although too dry in interior areas of Australia.

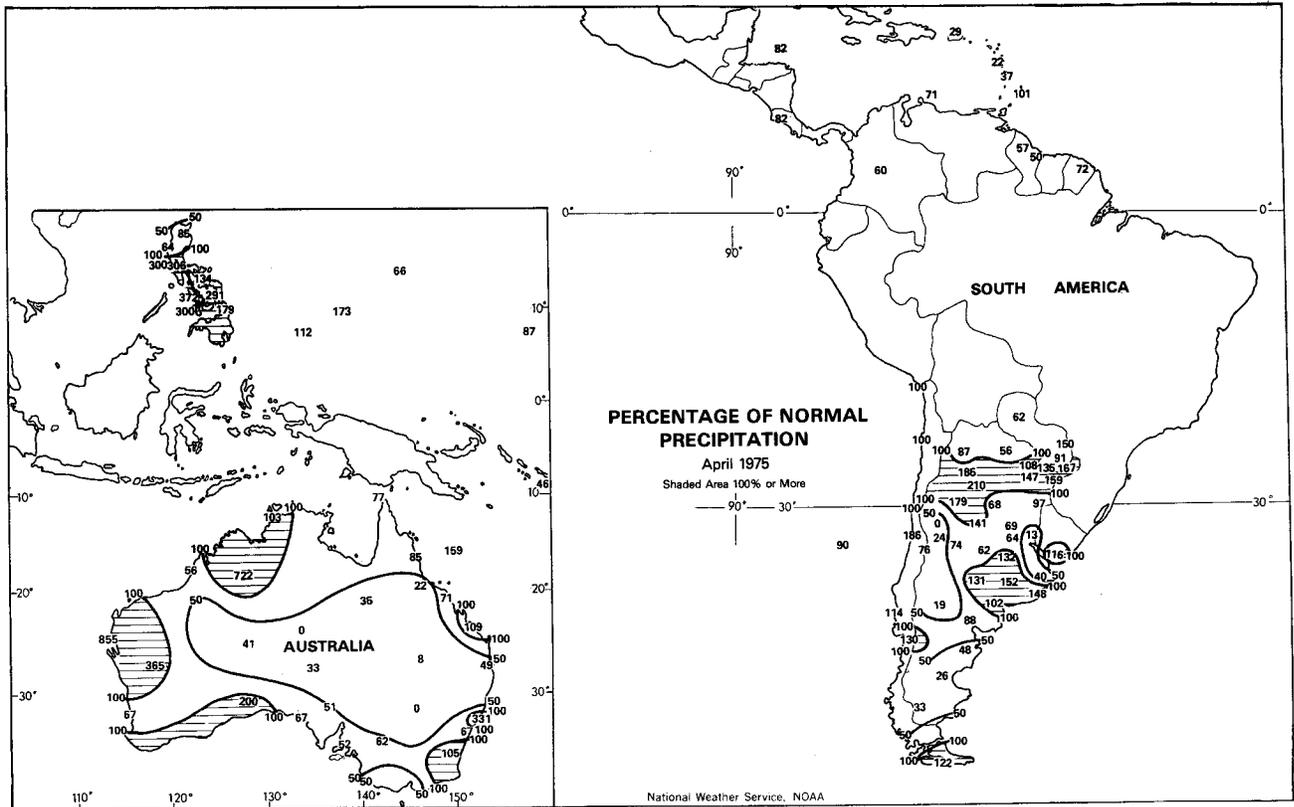
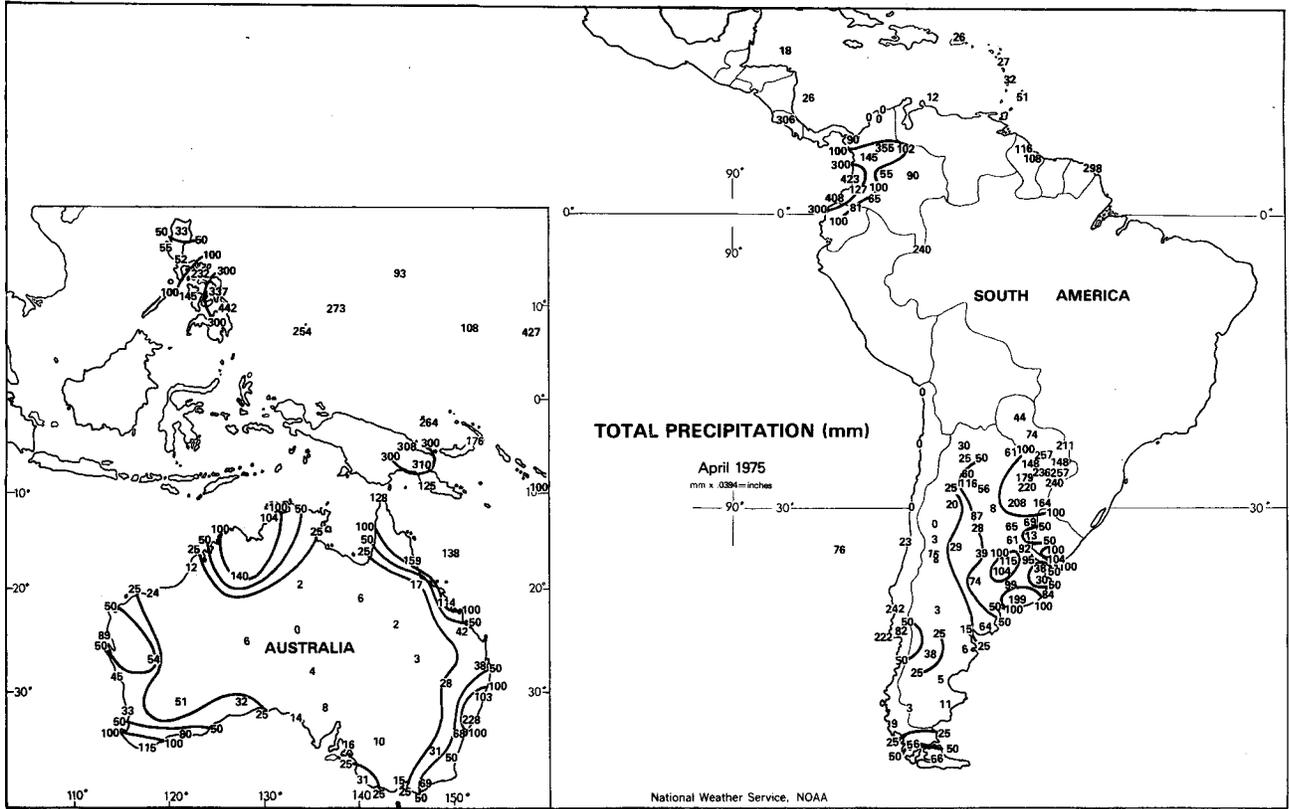
OILSEEDS AND COTTON: Harvest of cotton and soybeans has benefited from good weather in Brazil. Rains have provided these crops and peanuts a good start in China. Flooding necessitated major replanting of cotton in Turkey.

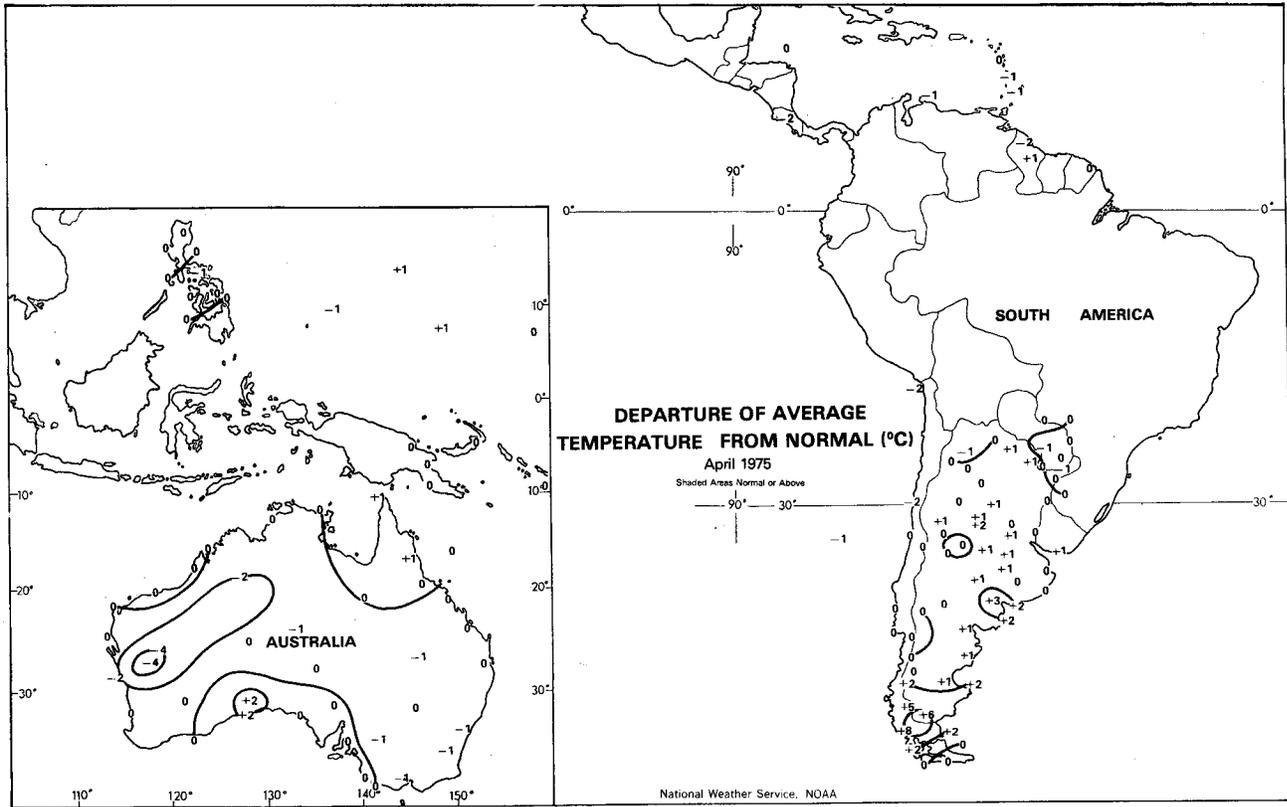
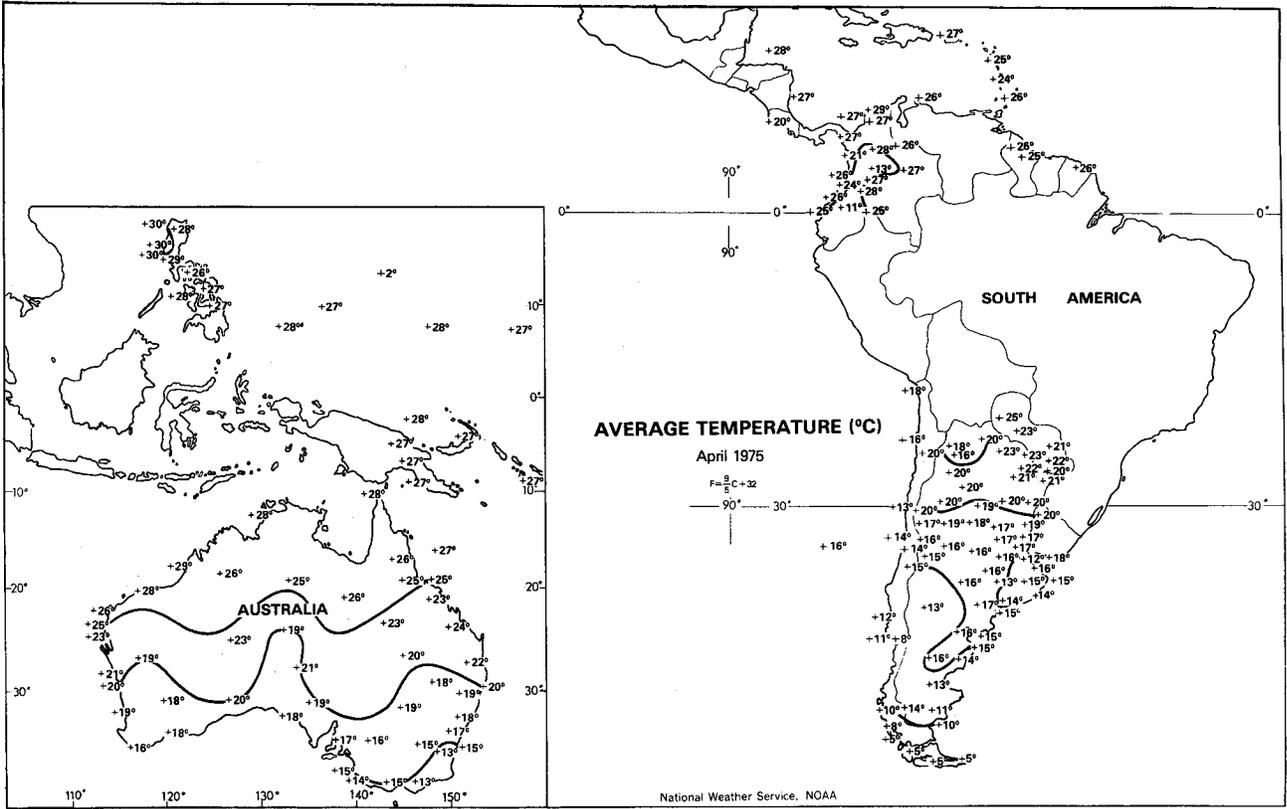




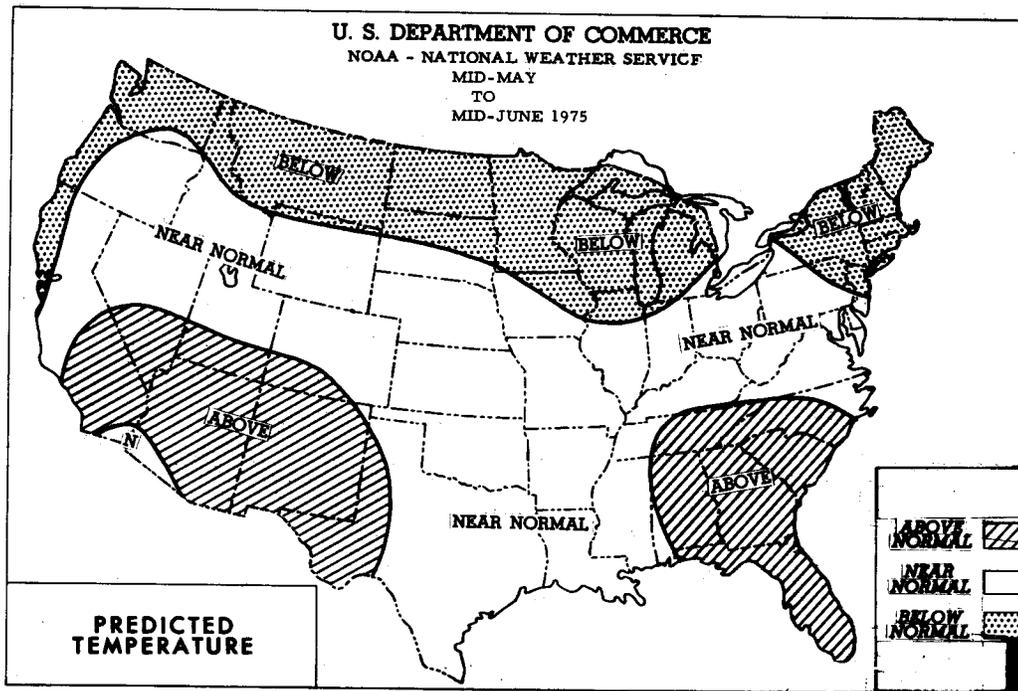
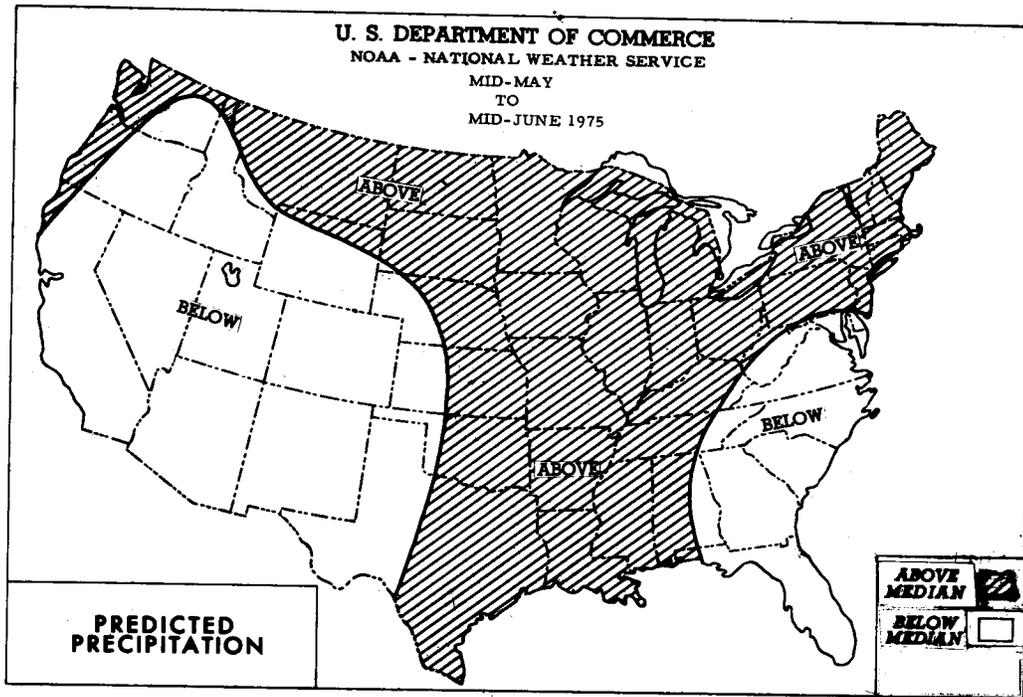




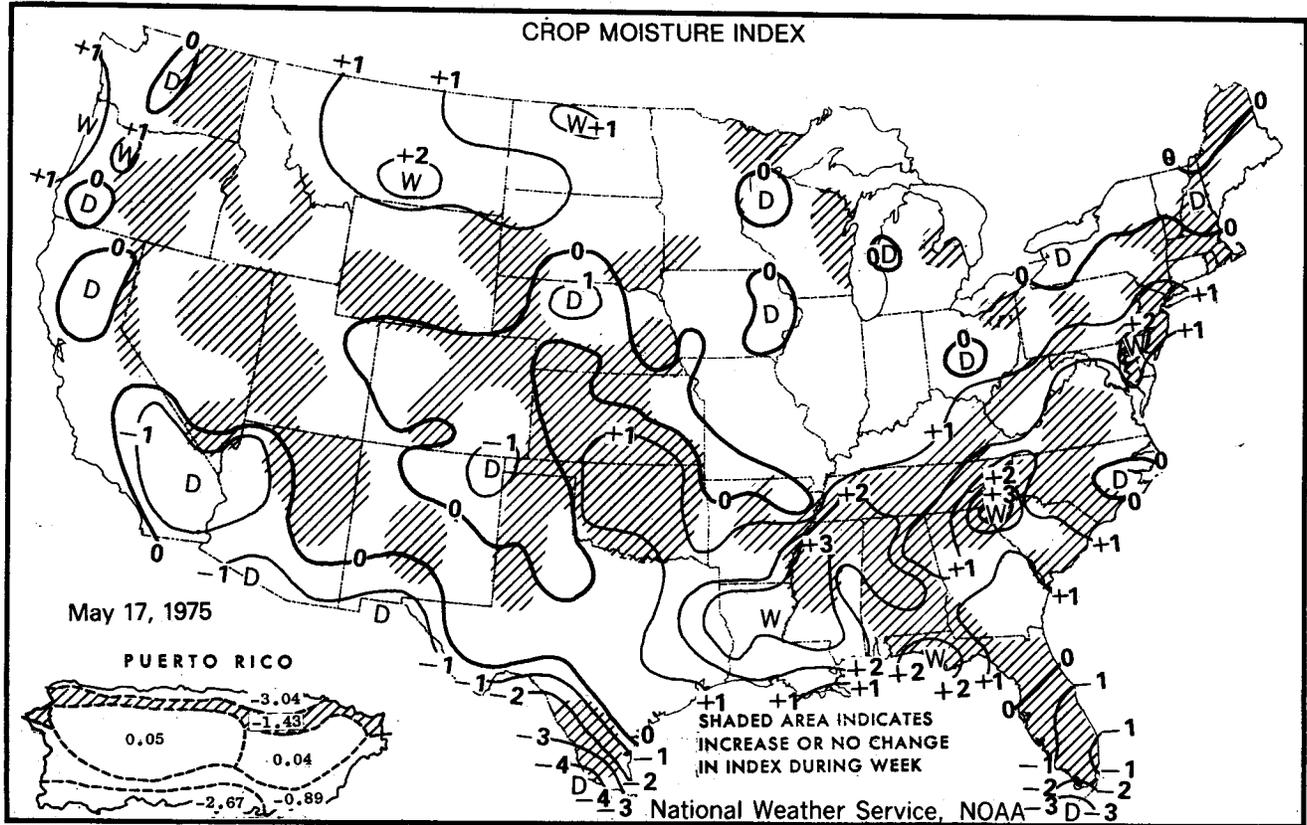




AVERAGE MONTHLY WEATHER OUTLOOK



AGRICULTURAL IMPLICATIONS OF THE AVERAGE MONTHLY OUTLOOK: Most areas forecast to receive above normal precipitation already have above normal soil moisture, except in South Texas which needs the rain. Continued above normal precipitation in Arkansas, Louisiana and Mississippi would further delay cotton seeding and could result in further switching to soybeans. Below normal temperatures in the northern portion of the Corn Belt and Great Plains, combined with above normal precipitation would further delay the planting and development of corn and spring wheat, respectively. Planting in most of the Corn Belt is near or slightly behind normal. Above normal moisture would aid crops. In the Southwest, below normal precipitation and above normal temperatures could result in some drought areas and intensify the drought in southern California and Arizona.



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 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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1975 PLANTING PROGRESS

PERCENT OF ACREAGE PLANTED (As of May 18)

	COTTON		
	Average	1974	1975
ALA.	90	94	85
ARK.	82	82	60
GA.	93	93	82
LA.	81	90	20
MISS.	79	89	39
MO.	74	79	78
N. C.	83	92	90
OKLA.	23	32	24
S. C.	92	92	88
TENN.	66	52	62
TEX.	47	50	46
11-States	61	64	49

These 11 States produced 68% of the Nation's Cotton in 1974.

	CORN		
	Average	1974	1975
GA.	95	95	90
ILL.	56	58	77
IND.	40	35	70
IOWA	72	72	75
KANS.	65	75	70
KY.	50	74	57
MICH.	43	32	45
MINN.	65	58	45
MO.	61	74	68
NEB.	65	85	65
N. C.	78	84	89
OHIO	60	75	75
S. DAK.	54	51	51
WIS.	30	30	45
U. S.	60	64	66

These 14 States produced 88% of the Nation's Corn in 1974.

	SOYBEANS		
	Average	1974	1975
ALA.	19	31	24
ARK.	20	20	9
GA.	36	39	23
ILL.	13	5	35
IND.	10	5	20
IOWA	23	14	22
KANS.	10	10	10
KY.	7	13	9
LA.	26	32	5
MICH.	2/	2/	1/
MINN.	25	15	19
MISS.	19	22	4
MO.	14	15	21
NEB.	15	20	15
N. C.	28	22	27
OHIO	20	30	35
S. C.	21	23	23
TENN.	13	5	14
U. S.	18	15	20

These 18 States produced 95% of the Nation's Soybeans in 1974.

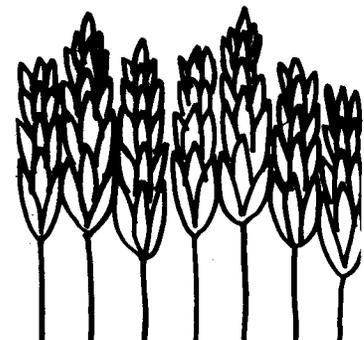
	SORGHUM		
	Average	1974	1975
COLO.	1/	1/	1/
KANS.	15	15	15
MO.	2/	29	29
NEB.	15	20	15
OKLA.	24	27	21
S. DAK.	8	10	9
TEX.	52	61	70
7-States	34	39	43

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

SPRING WHEAT (Other than Durum)

	Average		
	1974	1975	
IDA.	2/	95	55
MINN.	67	39	57
MONT.	67	80	25
N. DAK.	71	35	30
S. DAK.	100	100	82
5-States	76	55	45

These 5 States produced 93% of the Nation's Spring Wheat (Other than Durum) in 1974.



1/Less than 1%.
 2/Not available.