

# Weekly Weather & Crop Bulletin

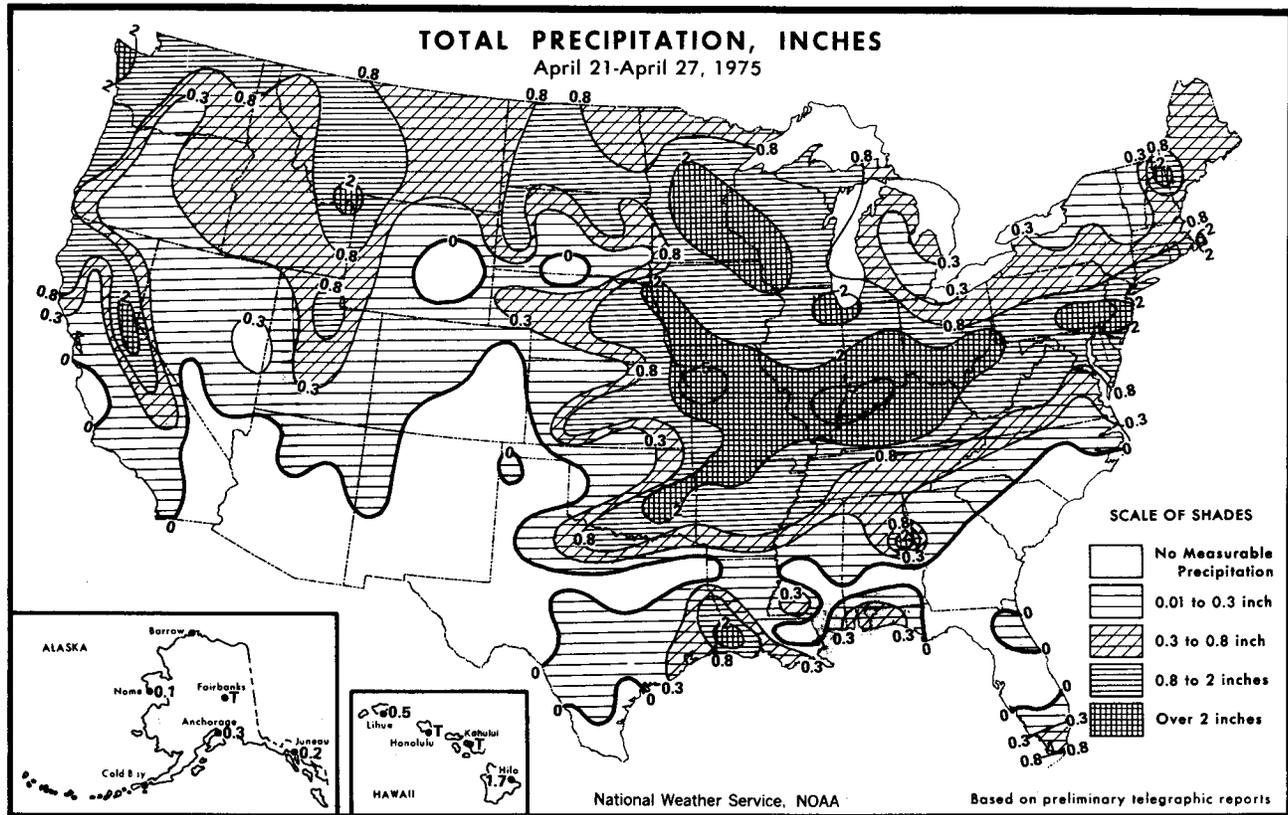
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National Oceanic and Atmospheric Administration

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## NATIONAL WEATHER SUMMARY

For the Week of April 21-27

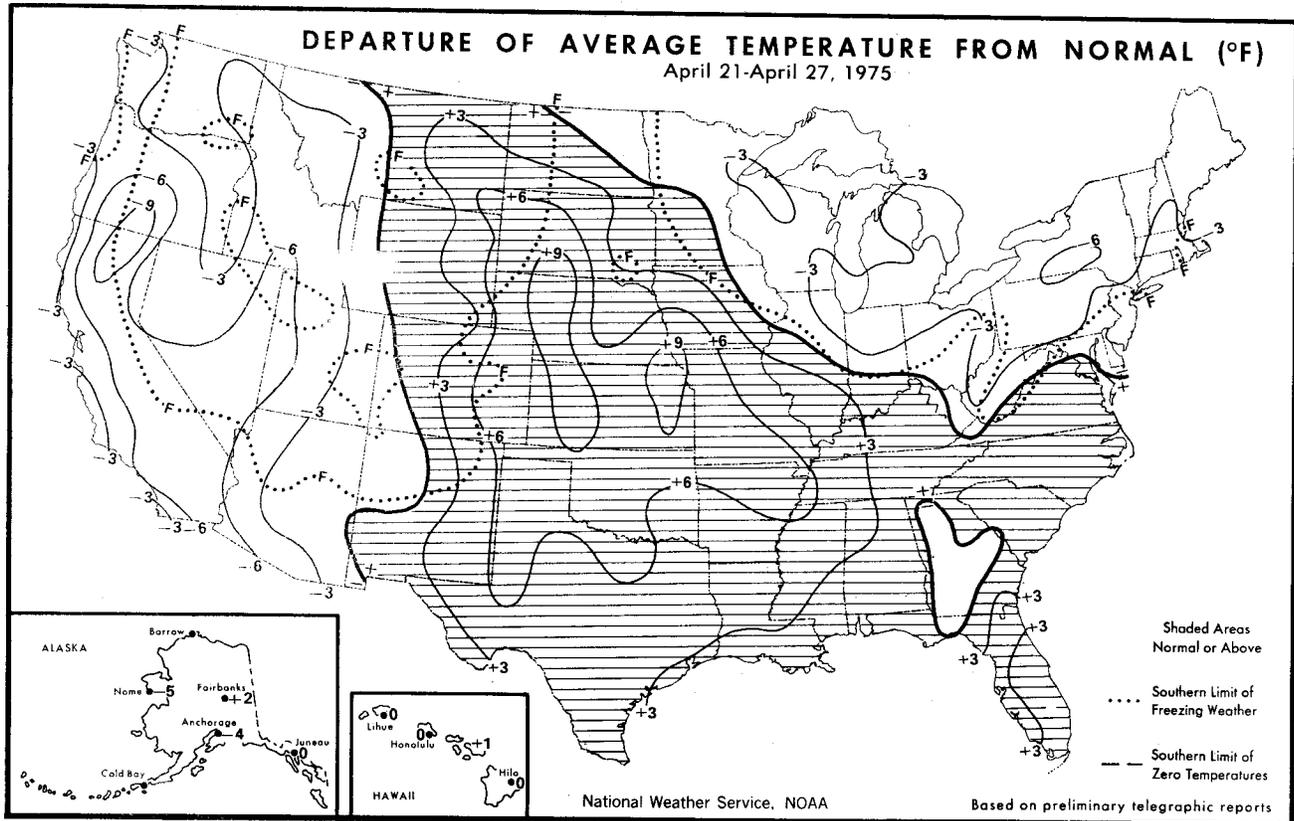
**HIGHLIGHTS:** Warm air invaded the Plains bringing temperatures to as much as ten degrees above normal in the Central Plains. Severe weather dumped heavy rain in the Ohio Valley and in Missouri and southeast Iowa.

**PRECIPITATION:** There was comparatively little weather activity on Monday. A weak low in north-west Missouri was causing some rain north of it in and the eastern Dakotas. A near stationary front in the Gulf of Mexico triggered some rain or showers along the Gulf Coast.

As warm moist air from the Gulf of Mexico continued to flow northward on Tuesday, a spate of thunderstorms was triggered in the Plains. The most active area was north of a front from a weak low in central Indiana to a low in Wyoming. One inch hail was reported in central Nebraska. Southern Florida reported some showers and thunder-

storms but the amount of rain was small. A Pacific front approaching the West Coast caused some rain in Washington and Oregon.

On Wednesday, low centers were located in Wisconsin and in western Kansas. A warm front extended from the Wisconsin low to western Pennsylvania, to northern Virginia and eastward; a cold front to the low in Kansas and then through west Texas. Warm air was flowing northward to and over the fronts. Showers and thunderstorms occurred in the warm sector and north of the fronts from the central Plains and Mississippi Valley to the Appalachians and central Gulf States. Showers were scattered throughout the northern Rockies. Light rain dotted the Pacific Northwest and the northern intermountain area. Tornadoes were spotted in Missouri and Iowa. Severe weather moved into Illinois later in the day. Heavy rains caused flash flooding in local areas.



The frontal system, marking the leading edge of the cooler air mass, moved slowly eastward and on Thursday extended from a low in Quebec to a low in central Kansas and through west Texas. A warm front extended through central New York and Pennsylvania and eastward. A squall line pushed ahead of the front into Arkansas, Missouri and southern Illinois. Heavy thunderstorms were reported along the squall line. As many as eleven tornadoes were reported in Missouri and adjacent States. More widely scattered showers fell in the rest of the warm sector—mostly west of the Appalachians. Some showers fell along the east coast of North Carolina. Another front moved onto the West Coast and rain fell from central California through Washington and Oregon. Air, lifted by the mountain slopes, produced rain in the western Dakotas and eastern Montana.

By Friday the front was off the coast in the Northeast and through Maryland to a low in southwest Ohio and to southeast Oklahoma and to west Texas. The squall line remained active ahead of the front in Kentucky and Tennessee. Severe thunderstorms occurred in the Ohio Valley, Iowa, Kansas and Missouri. Tornadoes and hail storms were reported in parts of this area. Rain continued from Minnesota to the Dakotas and eastern Montana. The Pacific front moved to Montana, Utah and southern California scattering rain and showers throughout the West along and behind the front. Some much needed but light showers fell in the Florida Keys.

The cold front, with its accompanying severe weather, moved off the east coast on Saturday. The back side of the air mass was bordered by a warm front from South Carolina to southwest Missouri and to a low in South Dakota then a cold front to a deepening low in Colorado and through New Mexico. North of the front, from Missouri to Minnesota and westward to the mountains, rain, showers and thunderstorms were reported.

On Sunday a semi-stationary front ran from Georgia to North Dakota and then southward as a cold front through New Mexico. The low in Colorado was intensifying into a severe storm as the strong circulation around it brought more warm moist air from the Gulf of Mexico into the Plains as far north as North Dakota. A squall line ahead of the low triggered heavy thunderstorms in the Plains. Tornado watches were issued for the area from Texas to South Dakota and into the western portion of Iowa and Missouri. Other severe weather occurred in the Southeast where at least one tornado was reported. Another Pacific front spread rain to Montana, Idaho and northern California.

**TEMPERATURE:** Eastern U.S. was cold on Monday as temperature readings in the 30's reached as far south as Georgia and Alabama.

By Wednesday warm air from the Gulf of Mexico began moving northward through Texas as the cooler air moved eastward. More cold air was moving south from Canada into the Rocky Mountains. Afternoon temperatures ranged from 92° at Cotulla, Tex. to 35° at Butte, Mont.

The warm air continued to move into the States and Thursday saw it enveloping the Plains and east through the middle and south Atlantic States. The cold air pouring into the Rockies was moving eastward through the northern States and by Saturday enveloped all of the Northeast and as far south as North Carolina. However warm air continued to pour into the Plains and reached as far north as North Dakota on Sunday. The Nation's highest temperature on Saturday was 93° at Wink, Tex. and the lowest Sunday morning was 15° at Evanston, Wyo. By Sunday afternoon readings in the 80's had been reported as far north as South Dakota.

**NATIONAL AGRICULTURAL SUMMARY**

For the Week of April 21-27

**HIGHLIGHTS:** Warmer temperatures south and central aided growth and development of wheat and small grains. Drier weather enabled farmers in the South Atlantic and South Central States to make excellent progress planting row crops. Nationwide, corn planting was over 5% complete for the 1975 crop, behind last year and average progress. Cotton planting made good advancement, but continued much behind the 1974 and usual pace. Cool temperatures west, rains and snow north were keeping most livestock on supplemental roughages. Feed shortages are requiring livestock to be turned out on pastures with low feed value.

**SMALL GRAINS:** Warmer than normal temperatures over the Great Plains, the first time in several weeks for much of the area, allowed good growth and development south and aided growth north. Kansas wheat made good growth, but only 30% was jointing, much behind the 1974 progress of 80% and normal 60%. Soil-born Mosaic is common in central areas. Far western areas remain very dry and strong winds caused considerable soil blowing. Oklahoma's wheat crop was in mostly good condition and fields in the extreme southern counties started to head out. Last year at this time, one-third of the State's wheat was headed. Most of the Texas' crop was headed out and harvest started on early fields south.

Winter wheat was in fair to good condition in Missouri, Nebraska, and Ohio; mostly good in Illinois and average growth in Indiana was 6 in. versus 9 in. in 1974. Michigan wheat fields are showing above normal winter damage.

Colorado wheat was poor to fair condition with 4% jointing versus the usual 26%. A significant acreage of winter wheat in Idaho was under snow cover.

Oat seeding continues much ahead 1974 and normal in Illinois, Indiana, and Ohio, but lags in many other States. Seeding started in Wisconsin with 2% complete against 30% normally. Seeding in Iowa was 22% done compared with the average 86%.

Spring wheat seeding was only 14% done in South Dakota, versus the normal 60%. Progress was also much behind normal in Minnesota and North Dakota where normally 28% and 25% respectively, have been seeded.

**CORN:** Planting of the Nation's 1975 corn crop was over 5% complete by April 27th, behind the 1974 and normal level in most States. Wet field conditions continued to delay planting progress in many of the Northern States during the week.

Farmers in the Corn Belt, an area that accounts for 81% of the Nation's 1975 intended acreage, had only 3% of the corn acreage planted, less than half the normal rate. In Iowa, the leading corn producing State, planting was underway, but only in localized areas. Planting was ahead of both 1974 and average in Indiana and Illinois.

Excellent planting progress was made in the South Atlantic and South Central States during the week. Planting was behind the 1974 level in all States except North Carolina and Tennessee.

**COTTON:** Cotton planting gained momentum in most Southern States as warmer and drier conditions prevailed. Planting in the 11 Southern States was 14% complete by April 27th and compared with 19% in 1974 and the average 22%.

Planting progress ranges from none in Oklahoma to 31% done in South Carolina. Progress was behind normal in all the major States and behind last year's pace in 8 of the 11 States. In Texas, with nearly 44% of the Nation's intended cotton acreage, only 17% was planted versus 24% in 1974 and the normal 22%.

In the Western States, planting was only 5% done in New Mexico, much behind last year's pace of 25%; 85% complete or about normal in Arizona; and delayed in California.

**OTHER CROPS:** Soybean planting started in Arkansas, Georgia, North Carolina, Ohio and Virginia. Farmers in most States were giving priority to planting other crops.

Sorghum planting made satisfactory progress in Texas with 56% planted versus only 42% in 1974. Early stands were beginning to head in the Lower Rio Grande Valley, but much of the crop was suffering from short moisture.

Rice seeding was 60% done in Arkansas, 70% in Louisiana and 85% finished in Texas. Seeding in all three States was ahead of normal.

Flue-cured tobacco transplanting reached 13% in North Carolina, 79% in South Carolina and 95% in Georgia. Tobacco beds were 2 weeks late in Kentucky and in poor condition in Tennessee.

**FRUITS AND NUTS:** In Florida early variety peaches were about ready for harvest. Citrus trees were showing stress and new crop fruit was dropping as the trees adjust. Rain was needed in all areas. Valencia harvest was active. California's cold weather delayed fruit and nut crops about 2 weeks. Valencia harvest was increasing slowly. Navel orange, lemon, grapefruit, and avocado harvests were seasonally active.

Peach harvest was underway in south Texas. In Georgia, peaches were in fair to good condition, heavy fruit drop was occurring. Frost damage on peach trees varied from light to heavy in Virginia.

**VEGETABLES:** Onion planting was underway in New York. In New Jersey, asparagus harvest began and spinach and green leafy crops were also available. Tomato planting was underway.

Tomatoes, squash, radishes and sweet corn harvests were active in Florida and volume was up. Watermelon harvest was up very sharply in the west central and east coast areas.

Harvest of onions was heavy in the Texas Lower Rio Grande Valley, while supplies of cabbage and carrots were light. Tomatoes and cucumbers were also being picked.

In California, harvest was active on artichokes, broccoli, carrots, cauliflower, celery, and lettuce.

**PASTURES AND LIVESTOCK:** Pastures in the Southern States showed marked improvement as warmer weather prevailed, but in the West and North continued cool temperatures slowed growth. Livestock remain on heavy supplemental feed in many States where supplies are still available. Elsewhere, livestock were being turned out on short pastures and ranges to help offset high feed costs. Calving and lambing continues in several States and the cool, damp weather keeps sickness and death losses of newborn above normal.

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

April 27, 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 . . .	69	+ 3	.5	-.5	La. Baton Rouge . . .	74	+ 3	T	-1.2	Youngstown . . .	46	- 5	.3	-.6
Mobile . . .	72	+ 2	.8	-.8	Lake Charles . . .	73	+ 2	3.2	+2.1	OKLA. Okla. City . . .	69	+ 6	.1	-.8
Montgomery . . .	68	+ 1	.9	-.9	New Orleans . . .	73	+ 2	T	-.9	Tulsa . . .	72	+ 8	.3	-.8
ALASKA Anchorage . . .	35	- 4	.3	+ .2	Shreveport . . .	73	+ 4	T	-1.3	OREG. Astoria . . .	46	- 3	1.6	+ .7
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	37	- 3	.5	-.1	Burns . . .	41	- 6	.3	+ .1
Fairbanks . . .	37	+ 2	T	-.1	Portland . . .	42	- 4	.6	-.2	Medford . . .	46	- 6	.2	-.2
Juneau . . .	41	0	.2	-.5	MD. Baltimore . . .	56	- 1	1.4	+ .7	Pendleton . . .	51	- 2	.5	+ .0
Kodiak . . .	---	---	---	---	MASS. Boston . . .	48	- 4	.5	-.3	Portland . . .	49	- 3	1.1	+ .6
Nome . . .	18	- 5	.1	0	Chatham . . .	44	- 4	2.3	---	Salem . . .	47	- 4	1.2	+ .7
ARIZ. Flagstaff . . .	42	- 2	T	-.3	MICH. Alpena . . .	41	- 3	.6	0	PA. Allentown . . .	50	- 3	1.3	+ .4
Phoenix . . .	68	- 2	0	-.1	Detroit . . .	45	- 6	.2	-.6	Erie . . .	43	- 5	.4	-.4
Tucson . . .	64	- 4	0	-.1	Flint . . .	46	- 3	.3	-.4	Harrisburg . . .	52	- 4	2.2	+1.5
Winslow . . .	54	- 2	0	-.1	Grand Rapids . . .	46	- 4	.6	-.2	Philadelphia . . .	54	- 2	2.2	+1.4
Yuma . . .	67	- 6	0	0	Houghton Lake . . .	43	- 3	.3	-.3	Pittsburgh . . .	49	- 4	1.1	+ .3
ARK. Fort Smith . . .	70	+ 5	.9	-.3	Lansing . . .	46	- 4	.3	-.4	Scranton . . .	49	- 3	.4	-.4
Little Rock . . .	70	+ 6	1.0	-.3	Marquette . . .	42	- 1	.9	+ .3	R.I. Providence . . .	48	- 2	1.2	+ .4
CALIF. Bakersfield . . .	60	- 5	T	-.2	Muskegon . . .	48	- 1	.5	-.2	S.C. Charleston . . .	68	+ 1	0	-.6
Eureka . . .	49	- 1	1.4	+ .8	S. Ste. Marie . . .	40	- 2	.4	-.2	Columbia . . .	69	+ 2	T	-.8
Fresno . . .	56	- 6	.2	0	MINN. Duluth . . .	39	- 3	.8	+ .2	Greenville . . .	66	+ 2	.1	-.8
Los Angeles . . .	57	- 6	T	-.2	Internat'l Falls . . .	41	- 1	.3	-.1	S.D. Aberdeen . . .	51	+ 3	.8	+ .3
Red Bluff . . .	53	- 9	.1	-.3	Minneapolis . . .	49	0	3.7	+3.2	Huron . . .	52	+ 2	.9	+ .4
San Diego . . .	61	- 1	T	-.1	Rochester . . .	48	- 1	2.6	+2.0	Rapid City . . .	52	+ 6	1.2	+ .6
San Francisco . . .	52	- 4	.2	-.1	St. Cloud . . .	47	0	3.0	+2.4	Sioux Falls . . .	52	+ 2	.3	-.3
Stockton . . .	56	- 4	T	-.3	MISS. Jackson . . .	73	+ 5	T	-1.1	TENN. Chattanooga . . .	63	0	.2	-.7
COLO. Denver . . .	56	+ 5	.2	-.3	Meridian . . .	68	0	T	-1.1	Knoxville . . .	64	+ 1	.4	-.4
Grand Junction . . .	54	- 1	.1	0	MO. Columbia . . .	64	+ 6	3.1	+2.1	Memphis . . .	73	+ 8	1.4	+ .1
Pueblo . . .	61	+ 6	0	-.4	Kansas City . . .	65	+ 6	5.1	+4.3	Nashville . . .	66	+ 3	.7	-.2
CONN. Bridgeport . . .	49	- 2	1.3	+ .5	St. Louis . . .	63	+ 3	3.2	+2.3	TEX. Abilene . . .	73	+ 5	T	-.7
Hartford . . .	50	- 1	.7	-.1	Springfield . . .	67	+ 7	1.8	+ .7	Amarillo . . .	66	+ 7	0	-.4
D.C. Washington . . .	60	+ 1	.8	+ .1	MONT. Billings . . .	50	+ 2	.6	+ .2	Austin . . .	76	+ 5	T	-.9
FLA. Apalachicola . . .	70	0	0	-.7	Glasgow . . .	50	+ 3	.5	+ .3	Beaumont . . .	74	+ 3	.4	-.7
Daytona Beach . . .	72	+ 1	T	-.5	Great Falls . . .	44	- 3	1.7	+1.4	Brownsville . . .	82	+ 5	0	-.4
Ft. Myers . . .	78	+ 3	.1	-.4	Havre . . .	49	- 1	.4	+ .1	Corpus Christi . . .	81	+ 6	T	-.6
Jacksonville . . .	74	+ 4	0	-.7	Helena . . .	41	- 5	1.8	+1.6	Del Rio . . .	78	+ 4	T	-.4
Key West . . .	80	+ 1	.9	+ .4	Kalispell . . .	43	- 2	.7	+ .4	El Paso . . .	67	+ 1	0	-.1
Lakeland . . .	75	+ 1	0	-.5	Miles City . . .	54	+ 5	.5	+ .1	Fort Worth . . .	75	+ 7	T	-1.1
Miami . . .	78	+ 2	.4	-.6	Missoula . . .	42	- 5	.6	+ .3	Galveston . . .	73	+ 2	.4	-.2
Orlando . . .	74	+ 1	0	-.6	NEBR. Grand Island . . .	59	+ 5	.8	+ .1	Houston . . .	76	+ 4	.4	-.5
Tallahassee . . .	69	- 1	0	-.8	Lincoln . . .	61	+ 6	1.3	+ .7	Lubbock . . .	69	+ 6	T	-.4
Tampa . . .	77	+ 3	0	-.4	Norfolk . . .	57	+ 4	1.2	+ .6	Midland . . .	63	+ 6	T	-.3
W. Palm Beach . . .	76	+ 1	-.1	-.7	N. Platte . . .	60	+ 9	.7	+ .2	San Angelo . . .	75	+ 5	T	-.5
GA. Atlanta . . .	61	- 3	-.1	-.9	Omaha . . .	62	+ 8	1.6	+ .9	San Antonio . . .	76	+ 4	T	-.7
Augusta . . .	66	0	0	-.7	Valentine . . .	61	+11	T	-.5	Victoria . . .	78	+ 5	T	-.7
Macon . . .	68	0	0	-.8	NEV. Ely . . .	38	- 6	.3	+ .1	Waco . . .	74	+ 4	T	-1.1
Savannah . . .	70	+ 2	0	-.6	Reno . . .	44	- 5	.2	+ .1	Wichita Falls . . .	73	+ 6	1.8	+ .9
HAWAII. Hilo . . .	72	0	1.7	-1.2	Winnemucca . . .	45	- 3	.1	-.1	UTAH. Blanding . . .	48	- 2	.1	-.1
Honolulu . . .	75	0	T	-.2	N. H. Concord . . .	45	- 2	.5	-.2	Salt Lake City . . .	47	- 5	1.3	+ .8
Kahului . . .	75	+ 1	T	-.2	N. J. Atlantic City . . .	51	- 4	1.5	+ .7	VT. Burlington . . .	42	- 5	.2	-.4
Lihue . . .	74	0	.5	-.2	Trenton . . .	53	- 2	2.2	+1.5	VA. Lynchburg . . .	60	+ 1	.8	+ .2
IDAHO. Boise . . .	49	- 2	.6	+ .3	N. MEX. Albuquerque . . .	58	- 1	0	-.1	Norfolk . . .	61	+ 1	.6	0
Lewiston . . .	50	- 3	.6	+ .3	Roswell . . .	65	+ 3	0	-.1	Richmond . . .	61	0	.3	-.4
Pocatello . . .	43	- 5	.6	+ .3	N. Y. Albany . . .	45	- 5	.2	-.4	Roanoke . . .	60	+ 1	.7	0
ILL. Cairo . . .	68	+ 5	1.3	+ .2	Binghamton . . .	42	- 6	.5	-.3	WASH. Colville . . .	45	- 4	.9	+ .7
Chicago . . .	49	- 4	2.5	+1.6	Buffalo . . .	45	- 3	.4	-.4	Omak . . .	49	- 2	.9	+ .6
Moline . . .	53	- 1	1.5	+ .6	New York . . .	52	- 3	1.7	+ .9	Quillayute . . .	43	- 4	2.9	+1.2
Peoria . . .	55	0	1.1	0	Rochester . . .	45	- 5	.2	-.4	Seattle-Tacoma . . .	46	- 4	1.2	+ .7
Rockford . . .	49	- 3	1.4	+ .5	Syracuse . . .	45	- 5	.1	-.6	Spokane . . .	45	- 4	.8	+ .5
Springfield . . .	60	+ 3	1.6	+ .6	N. C. Asheville . . .	61	+ 3	.1	-.7	Walla Walla . . .	52	- 3	.6	+ .2
IND. Evansville . . .	64	+ 4	5.0	+4.1	Charlotte . . .	65	+ 2	T	-.7	Yakima . . .	50	- 2	.1	0
Ft. Wayne . . .	50	- 3	1.9	+1.1	Greensboro . . .	63	+ 2	.1	-.6	W. Va. Beckley . . .	54	0	1.7	+1.0
Indianapolis . . .	53	- 3	3.1	+2.2	Hatteras . . .	63	+ 2	0	-.7	Charleston . . .	55	- 4	1.7	+ .9
South Bend . . .	50	- 1	1.9	+1.0	Raleigh . . .	63	+ 1	T	-.7	Huntington . . .	53	- 6	2.4	+1.6
IOWA. Burlington . . .	57	+ 2	1.5	+ .6	Wilmington . . .	68	+ 2	0	-.7	Parkersburg . . .	54	- 4	2.6	+1.8
Des Moines . . .	59	+ 6	1.4	+ .7	N. DAK. Bismarck . . .	49	+ 2	1.6	+1.2	WIS. Green Bay . . .	45	- 2	1.0	+ .3
Dubuque . . .	50	- 1	2.2	+1.2	Fargo . . .	46	- 1	.7	+ .1	La Crosse . . .	50	- 2	4.9	+4.2
Sioux City . . .	58	+ 4	2.2	+1.6	Williston . . .	47	0	.5	+ .2	Madison . . .	48	- 1	1.6	+1.0
KANS. Concordia . . .	64	+ 8	.3	-.3	OHIO. Akron-Canton . . .	52	0	.4	-.4	Milwaukee . . .	41	- 7	.8	+ .2
Dodge City . . .	66	+ 9	1.0	+ .5	Cincinnati . . .	57	0	2.9	+2.1	WYO. Casper . . .	49	+ 3	T	-.4
Goodland . . .	59	+ 7	T	-.4	Cleveland . . .	46	- 5	.4	-.4	Cheyenne . . .	48	+ 2	.1	-.3
Topeka . . .	68	+10	1.0	+ .1	Columbus . . .	52	- 2	1.8	+ .9	Lander . . .	47	+ 1	T	-.6
Wichita . . .	67	+ 7	.2	-.6	Dayton . . .	53	- 2	3.5	+2.7	Sheridan . . .	49	+ 2	.2	-.4
KY. Lexington . . .	58	0	4.2	+3.4	Toledo . . .	47	- 5	.3	-.4	P.R. San Juan . . .	80	+ 2	.4	-.6
Louisville . . .	61	+ 2	4.6	+3.7										

Based on 1941-70 Normals

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

## 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.

**ALABAMA:** Warm temperatures and generally dry. Highs in 80's, lows in 60's. High 27th in 90's southeast, 80's elsewhere. Dry south and central. Scattered light to moderate rainfall north on 25th. Fieldwork: 5 days suitable. Corn 30% planted, 62% 1974, average 47%. Cotton 28% planted, 1974 50%, average 38%. Peanuts 18% planted, 29% 1974, 51% average. Wheat 72% headed, 78% 1974. Pastures fair, livestock improving. Marketings sharply above 1974.

**ARIZONA:** Unseasonably cool, averages 1 to 7° below normal. Precipitation negligible, dry, gusty winds.

Cotton planting 85% complete, about normal. More replanting than normal. Stand establishment slowed, cool weather. Small grains excellent. Most areas turning color. Safflower, Yuma good. Sugarbeet development good. Alfalfa hay irrigation begun, some insect damage. Central, west finished first cutting, second cutting delayed. Central lettuce peaked. Yuma lettuce, broccoli, cabbage near complete. Cochise late spring lettuce satisfactory progress. Peach harvest to start May 10th, apricots May 20th, nectarines May 30th, plums June 10th. Fruit thinned to improve sizing. Valencia oranges, grapefruit good supply. Heavy bloom, conditions favorable. Cattle, range conditions mostly good, southwest fair. Soil moisture, stock water supplies short to adequate.

**ARKANSAS:** Temperatures averaged 3 to 9° above normal. Normal temperatures early week, above normal late week. Extremes: 89 and 35°. Precipitation widespread, amounts 0.50 to 1.30 in.

Rain stopped fieldwork on 24th. Soil moisture adequate. Fuel, fertilizer supplies adequate. Fieldwork: 4.5 days suitable. Most cotton land ready to plant. Planting 15% complete, 4% 1974, 23% average. Early rice sprouting, seeding 60% complete, 52% 1974, 45% average. Some soybean land disked, 3% planted, 0% 1974, 2% average. Oats and wheat excellent condition, boot stage. Alfalfa and fescue making good growth. Pastures short, showing marked improvement. Apples, strawberries full bloom. Grapes, peaches good progress. Cattle poor condition, showing improvement.

**CALIFORNIA:** Cool weather, some scattered showers continued. Precipitation limited north 19th and 21st through 23d, all areas 24th except southeast deserts, and north and central 25th. Amounts generally light except over 1.00 in. northwest and up to 3.00 in. some Sierra Nevada areas. Low temperatures near 32° late week Sacramento Valley and low north and central coastal valleys. Temperatures averaged 1 to 6° below normal.

Small grains heading out. Aphids still problem. Cutting grain hay. Rice planting beginning at slow pace. First cutting alfalfa complete. Cotton planting still delayed, crop later than normal, above normal replanting Imperial Valley. Corn and milo planting active. Fruit and nut crops 2 weeks late due cold weather. Applying thinning sprays early deciduous fruit varieties. Apples, pears, walnuts, citrus in bloom. Almonds sizing, set varies greatly. Stone fruit sets variable, mostly good. Valencia orange harvest increasing slowly, Navel orange, lemon, grapefruit and avocado harvests seasonally active. Artichoke supplies heavy. Broccoli and cauliflower

good quality and quantities. Carrots continue Desert. Celery continues Oxnard. Lettuce active Bakersfield, light Salinas. Onion underway Desert. Strawberries continuing; good quality. Condition livestock varied. Snow will slow opening summer pastures mountain counties. Shipment fat lambs continuing, spring shearing increasing. Cattle feedlots reduced capacity. Bee losses this season minimal. Stock water adequate most areas.

**COLORADO:** No precipitation through 26th. Temperatures averaged 3 to 10° above normal lower elevations. High 91° La Junta 25th and 26th. Precipitation 27th, 1 to 8 in. snow mountains; trace to 0.60 in. lower elevations. Strong, gusty winds weekend.

Excellent planting progress. Spring barley 66% seeded, 80% 1974, 74% average. Oats 55% planted 72% 1974, 68% average. Condition small grains fair to good. Sugarbeets 55% seeded, 62% 1974, 54% average, good condition. Corn 6% planted, 13% 1974, 12% average. Winter wheat 4% jointed, 25% 1974, 26% average, fair to poor condition. Brown mites east central and southeast areas. Alfalfa good growth. Range grasses greening with warmer temperatures.

**FLORIDA:** Fair to partly cloudy, warm weather prevailed. Generally light rainfall limited to Panhandle, southeast coast. Temperatures averaged little above normal central and south, but little below normal Panhandle.

Soil moisture adequate west and north, short to very short elsewhere. Fieldwork active. Planting of corn, tobacco about complete. Preparation for seeding soybeans, peanuts underway. Small grains headed. Peaches good condition, early varieties north about ready for harvest. Pastures continue below normal as drought conditions remain most of Peninsula. West Florida pastures are providing good grazing in areas which were not flooded. Cattle and calves generally in fair condition. Citrus tree condition varies depending on irrigation, rain needed all areas. Trees showing stress. New crop fruit dropping as trees adjust. Valencia harvest active. Potato volume up, harvest in Hastings increases. Tomatoes, squash, radishes, sweet corn volume up. Watermelons up very sharply, harvest beginning west central, east coast. Cucumbers, escarole, lettuce, peppers steady. Cabbage in seasonal decline, snap beans, celery, carrots declined.

**GEORGIA:** Good drying conditions. Spotty rainfall averaged 0.25 in. northwest, southwest and east central. Temperatures near normal warm beginning and again at end, below normal midweek.

Soil moisture adequate north, adequate to surplus south. Best week of season for fieldwork, averaged 5 days suitable. Tobacco mostly fair to good, transplanting 95% complete, 1974 99%, average 98%, cultivation and fertilization very active. Corn fair, 50% planted, 1974 65%, average 72%. Considerable replanting south due to silting, crusting and washing. Cotton fair, soils too cool, 16% planted, 1974 28%, average 52%. Peanuts fair, 15% planted, 1974 26%, average 54%, some good stands but off-color and not growing. Soybeans 1% planted, 1974 2%, average 3%. Small grains good, some silage harvest. Peaches fair

to good, heavy fruit drops. Watermelons fair, 75% planted, considerable replanting necessary, slow growth. Pastures good. Cattle fair to mostly good, lice a problem. Hogs good. Vegetable crops fair, too cool and too much rain earlier.

**HAWAII:** Rainfall generally light on all islands. Weather warm and windy.

Some bruising to crops in exposed areas. Irrigation and spraying becoming more frequent. Vegetable supplies increasing. Papaya production on up trend. Banana supplies light. Pineapple harvesting light. All sugar mills in operation, harvesting active.

**IDAHO:** Temperatures averaged below normal throughout. Maxima mostly 50's and 60's, minima upper teens to mid-30's. Precipitation near normal to 0.75 in. above normal. Greatest amount 1.01 in. at Coeur D'Alene.

Farming operations fairly good progress lower elevations. Progress planting and development crops 2 to 3 weeks later than usual. Soil moisture above normal, severely restricting planting activity. Crops southwest and south central making fair to good development. Winter wheat progress slow, with significant portion acreage under snow. Winter-kill damage cannot be fully assessed. Spring wheat and spring barley 15% seeded, 50% and 55% year earlier. Oat seeding increased slightly. Potato planting activity gained momentum. Livestock show stress from sustained cold wet weather. Hay shortage causing ranchers to turn livestock on pastures sooner than they would like. Growth on pastures remain retarded. Harsh spring weather causing health problems newborn lambs and calves.

**ILLINOIS:** Temperatures 1 to 4° below normal. Precipitation 1.50 to 2.50 in. north, 5.00 in. southeast. Heavy rain south 23d and 24th, north 27th.

Corn planting 8% complete, 7% 1974, average 3%. Planting most advanced southwest, least extreme north. Corn and soybean acreage 88% plowed, 86% 1974, average 66%. Oat seeding 90% complete, 100% 1974, average 71%. Winter wheat mostly good condition. Pastures fair to good, supplying 60% roughage requirements. Hay crops mostly good. Soil moisture 37% adequate, 63% surplus. Fieldwork: 2.5 days suitable.

**INDIANA:** Very wet week. Rainfall from 2.00 in. north to 4.00 in. south and some flooding. Temperatures averaged 51° north to 60° south and ranged from 30 to 81°. Relative humidity 8% above normal and soil temperatures 1 to 2° below normal.

Fieldwork averaged 2.5 days. Topsoil moisture mostly surplus. Subsoil moisture adequate to surplus. Corn and soybean land 80% plowed, 70% 1974 and 50% average. Corn 5% planted, several days ahead 1974 and average. Oats 85% seeded, 65% in 1974, 60% average. Oats 1 in. high, 2 in. 1973 and 1974. Wheat 6 in. high, 9 in. 1974, 7 in. average. Pastures improved to fair.

**IOWA:** Temperatures near normal northeast to 7° above normal southwest. Precipitation well above normal, heaviest amounts in a band from west central into north central.

Rains and continued wet conditions are keeping farmers out of fields. Oat planting 22% complete, 86% average. Plowing 62% complete. Localized corn planting beginning. Pastures in fair condition. Topsoil moisture 58% adequate, 42% surplus. Fieldwork averaged 2 days suitable.

**KANSAS:** Temperatures averaged 9 to 11° above normal. Precipitation beneficial north central, east central and southeast. Far west remain very dry and very strong winds over weekend caused considerable soil blowing. Wheat made good growth, 30% jointed, 80% 1974, 60% average. Soil-born Mosaic central. Corn 5% planted, 15% 1974, 15% average. Barley 75% planted, 100% 1974, 90% average. Oats 80% planted, 100% 1974, 90% average.

**KENTUCKY:** Cool 21st and 22d mornings, but temperatures averaged only slightly below normal. Heavy rains midweek with precipitation averaging over 2.00 in. all areas and 4.00 in. north central.

Fieldwork favorable first 2.5 days, too wet remainder. Soil moisture mostly surplus. Corn planting continued, only 11% complete, 18% 1974, 14% average. Tobacco beds 2 weeks late, slow germination, thin, weedy. Most plants smaller than dime. Small grain growth slow; 3% wheat headed, 28% barley headed. Pastures overstocked, growth slow, underfertilized due to high prices. Alfalfa weevil active. Fruit tree bloom heavy, prospects good.

**LOUISIANA:** Temperatures near normal coastal parishes, 2 to 7° above central and north. Extremes: 92° Alexandria 26th, 45° Calhoun 22d. Rainfall light most areas less than 0.50 in. Heavy showers southwest early week. Greatest 1-day total, 3.23 in. Lake Charles 22d.

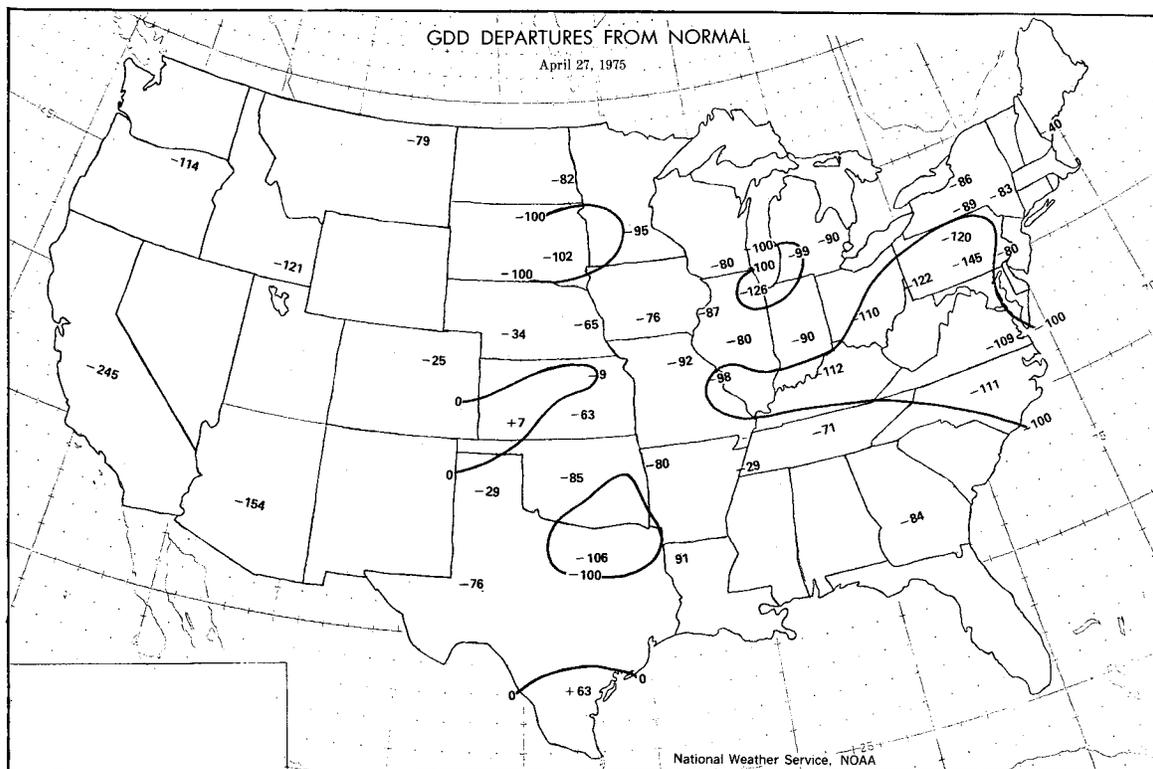
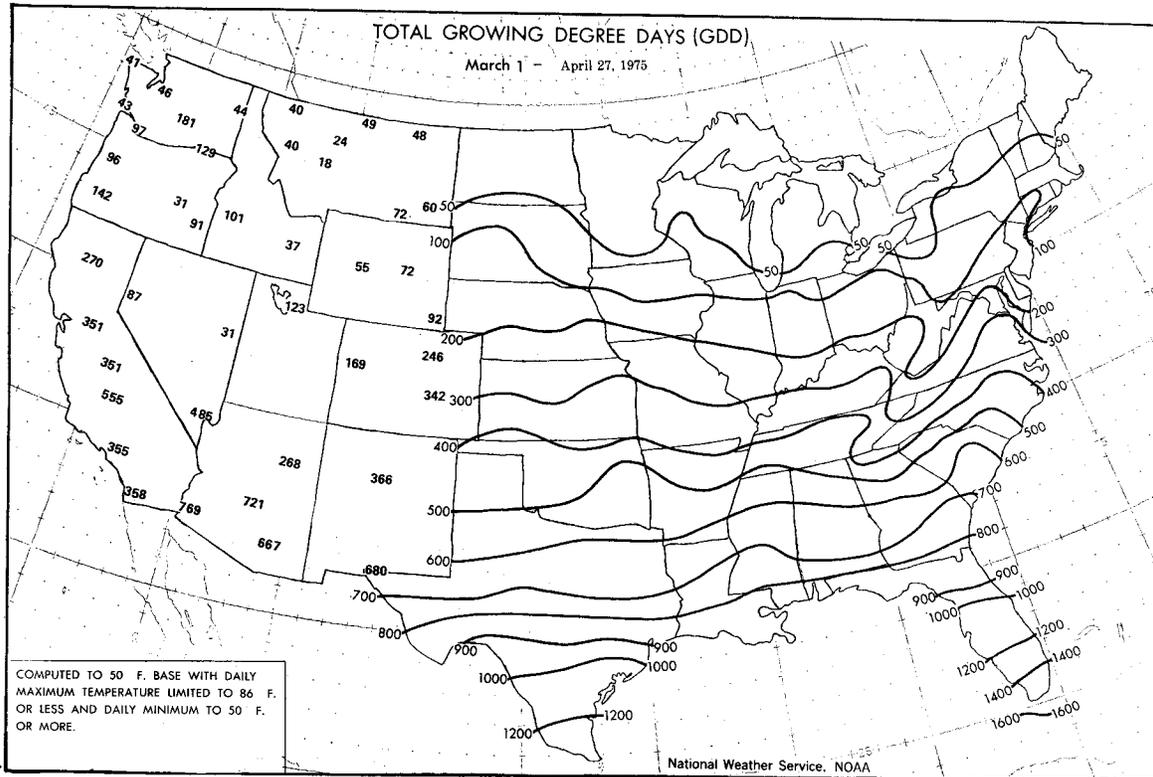
Spring plowing increased as soils dried. Main activities planting, cultivating sugarcane, hot pepper transplanting, and insect control on vegetables. Soil moisture surplus southwest, mostly adequate elsewhere. Fieldwork: 4.3 days favorable. Cotton planting began on well drained soils, over 5% planted, 10% 1974, 20% average. Corn planting passed halfway mark, 70% 1974, 20% 1973. About 40% up to stand. Rice 70% seeded, 85% 1974, 67% average. Warmer temperatures helped growth. Some replanting due to water mold. Seedbed preparation behind schedule central parishes. Sugarcane improved with warmer temperatures. Pasture feed availability improved. Cattle mostly fair to good.

**MARYLAND AND DELAWARE:** Temperatures normal. Highs upper 60's to 80's, lows mid-20's to low 40's. Precipitation throughout, 0.15 to 3.00 in. Heaviest north central and western Maryland. Weekend cold, rain morning 26th, then clearing.

Good progress until showers on 24th. Moisture adequate. Spring soil temperature too low for good germination. Corn 8% planted, near normal, 13% 1974. Spring oats 80% seeded, normal. Tobacco growers selling 1974 crop; work for 1975 crop active. Hay and pasture crops improved, alfalfa seeding started. Small grain prospects good, spraying for garlic. Green peas 75% planted. Planting of tomatoes, cucumbers, snap beans and sweet corn started. Irish potatoes 90% planted. Apple and peach crops favorable. No frost damage to date.

**MICHIGAN:** Temperatures 2 to 4° below normal most areas. Precipitation from 0.19 to 0.29 in. most of Lower Peninsula. Precipitation in Upper Peninsula ranged from 0.37 in. east to 1.48 in. west.

Cold weather and wet soils delayed start spring planting. Fieldwork averaged 1.3 days. Fall plowing for spring crops at 30%, about normal. Only few fields oats planted, 36% 1974, 29% average. Few sugarbeets planted, 1974 20%, average 17%. Winter damage to wheat above average. Condition cribbed corn poor to fair. Tree fruit bud development late. Apples green tip stage.



Early vegetable planting delayed. Some celery, cabbage and peas planted.

**MINNESOTA:** Major spring storm over weekend produced heavy rains and swollen river conditions central through southeast. Temperatures averaged near normal. Extremes: upper 60's southeast to upper teens northeast. Precipitation normal to 0.50 in. above normal north and west, 1.50 to 2.50 in. above normal central into southeast. Extremes: Bird Island 3.22 in., Minneapolis-St. Paul 3.66 in., Red Wing 5.85 in. Most streams east 1 to 2 ft. above bankfull stages.

Frequent rains prevented start fieldwork. Cool weather slowed early growth pastures, hay crops, winter wheat, rye. These crops mostly fair to good condition. No oats planted, 1974 38%, average 37%. No spring wheat planted, 1974 19%, average 28%; no barley planted, 1974 9%, average 19%; no corn land prepared for planting, 1974 30%, average 23%; no soybean acres prepared for planting, 1974 15%, average 9%.

**MISSISSIPPI:** Most of rain in north half early week. Temperatures ranged from normal to 3° subnormal. Extremes: 88 and 36°. Greatest 24-hour rainfall 0.92 in. at Pontotoc on 19th.

Soil moisture adequate to surplus. Fieldwork: 4.2 days suitable. Cotton 8% planted, 13% 1974, normal 25%. Corn 38% planted, 43% 1974, normal 34%. Rice 34% planted, 68% 1974, normal 56%. Sorghum 2% planted, 2% 1974, normal 7%. Wheat 78% headed, 90% 1974. Oats 70% headed, 90% 1974. Condition of corn is fair. Condition of wheat, oats, Irish potatoes, truck crops, pastures, and livestock mostly fair to good.

**MISSOURI:** Temperatures 2 to 4° above normal, except normal northeast prairie. Rainfall heavy, averaging 2.00 in., several 5.00 in. amounts north prairie.

Fieldwork: 2.5 days suitable. Plowing 57% complete, 72% average. Oats seeding 71% complete, 99% 1974. Corn 12% planted, 33% 1974, 22% average. Cotton 5% planted. Pasture and wheat conditions mostly fair to good.

**MONTANA:** Week began mild and dry turning cool and wet. Temperatures averaged 9° below normal west, 11° above northeast. Precipitation well above normal with rain and snow. Some amounts over 1.00 in. precipitation.

Spring farming still delayed, 3% spring wheat and barley, 1% oats and potatoes, and 2% sugarbeets have been seeded. Normally 35% spring wheat, oats, and barley and 50% sugarbeets have been sown. Winter wheat fair to good, winterkill light. Range feed short, new growth slow. About 90% of livestock on supplemental feed. Calving 80%, lambing 70% and shearing nearly 60% finished.

**NEBRASKA:** Temperatures 4 to 11° above normal. Rainfall sparse wets; 1.00 to 2.00 in. central and northeast.

Fieldwork: 4.0 days suitable. Oat and barley seeding averaged 40% and 35% complete, respectively. Topsoil moisture supplies short 22%, adequate 63%, surplus 15%. Subsoil moisture supplies short 82% compared to 4% in 1974. Winter wheat mostly fair to good condition. Condition averaged 72%, 86% in 1974. Soil-borne Mosaic several counties. Alfalfa and wild hay mostly fair condition. Sugarbeet planting nearly completed. Pasture and range feed conditions short 87%. Pastures continue to grow slowly.

**NEVADA:** Temperatures continued several degrees below normal with frequent periods rain and snow.

Extremes: 8° Ely to 84° Logandale. Precipitation occurred most areas. Amounts ranged from trace Las Vegas to 0.39 in. Battle Mountain. Snow pack increased in Sierras.

Alfalfa haying continued southern valleys. Limited movement livestock to ranges. Some small grain seeding.

**NEW ENGLAND:** Rain 24th and 25th, generally about 1.00 in. southern areas, less north. Some snow northern Maine. Temperatures well below normal most of week.

Potato planting continued to southern areas. The maple sirup season virtually ended in Vermont.

**NEW JERSEY:** Cold wet weather. Frost and freezing temperatures far south as Cape May on the 22d, 23d and 28th. Temperatures averaged 4° below normal. Extremes: 24° Charlotteburg on 22d and 74° Bridgeton on 25th. Rainfall 1.50 in. north to 2.00 in. central. Soil moisture 95 to 98% of field capacity. Soil temperatures on 28th were 49 to 55°.

Plowing, planting, liming and fertilizing active. Rain on 24th beneficial. Light asparagus harvest begun. Spinach and greens available. Tomato planting underway. Peaches in bloom. Blueberry bloom beginning. Cool temperatures delayed fruit bloom 10 days.

**NEW MEXICO:** Warm temperatures through most of week turning sharply colder on 27th. Temperatures averaged near normal. Precipitation confined to very light showers and snow flurries northern mountains and northwest 27th. Very strong winds statewide 26th and 27th.

Soil moisture short to adequate, northeast and southwest corners dry. Cotton about 5% planted, 25% 1974. Small grains fair to good, wheat 40% jointing, slightly less than normal. Vegetables good, lettuce harvest expected soon. Apples fair, heavy late blooms indicating good crop north barring cold weather. Pecans leafing well. Livestock fair to good, spring calving, lambing, shearing winding up. Ranges fair to good.

**NEW YORK:** Temperatures below normal. Extremes: 71° Elmira and Dansville to 16° Saranac Lake. Precipitation above normal southeast, below normal elsewhere. Bridgehampton more than 2.25 in. Precipitation generally deficient increasing fire danger.

Soil moisture adequate. Good progress plowing and fitting. Oats 20% planted. Wheat, pastures, and hay greening. Some alfalfa winterkill. Potato planting: Long Island 90%, Upstate just beginning. Oswego muck received needed moisture, onion and lettuce planting underway. Elba onion planting continues, some acreage replanted after wind damage of 19th. Western lettuce looks good, sweet corn being planted. Hudson Valley peaches and cherries pink, apples and pears half inch green. No apparent winter damage in vineyards.

**NORTH CAROLINA:** Temperatures 4 to 6° above normal except in mountains 3° subnormal. Precipitation scattered and amounts for mostly light.

Fieldwork: 4.7 days suitable. Soil moisture short to adequate. Flue-cured tobacco beds fair to good. Burley beds fair. Flue-cured tobacco 13% transplanted, 1974 27%, average 20%. Flue-cured tobacco in fields fair to good. Pasture conditions good. Irish potatoes, truck crops, peaches mostly good. Corn 50% planted, 1974 49%, average 44%. Small grain crops mostly good. Cotton 9% planted, 1974 32%, average 32%. Soybeans 1% planted, 1974 0%, average 4%. Peanuts

planting beginning.

**NORTH DAKOTA:** Temperatures averaged 3° below normal. Extremes: 65° at Beulah and Lemmon, 19° at Ft. Yates. Precipitation above normal and averaged 0.60 in. western two-thirds, below normal southeast and northeast. Greatest 24-hour and weekly precipitation 1.71 in. at Minot on 25th. Weekend fair, temperatures with above normal precipitation.

Still no planting of spring crops. Fields are wet. Normally about 25% hard red spring wheat and 10 to 15% durum wheat, oats and barley have been planted. Slow growth of pastures and haylands due to cool temperatures. Livestock producers still battling rain and mud trying to protect young stock and hauling feed and roughage.

**OHIO:** Showers each day except 26th. Heaviest rainfall south on 24th and 25th. Precipitation ranged 2.79 in. south to 0.25 in. north. Highs 60's and 70's and lows in 30's and 40's.

Corn 10% planted, 15% 1974 and 10% normal. Soybean planting has started and is normal for date. Oats 90% planted, 80% 1974, and 60% normal. Sugarbeets planting 95% completed, far ahead of 55% normal. Virtually all tobacco beds have been sown. Wheat and oat conditions fair to good. Moisture supplies 5% short, 76% adequate, and 19% surplus.

**OKLAHOMA:** Temperatures averaged from 1 to 4° above normal. Precipitation averaged 0.10 in. or less west and central, 0.25 to 1.00 in. east third. Weekend generally warm, scattered light precipitation over west and moderate to heavy east.

Small grains made good growth. Favorable weather permitted good progress of seedbed preparation for row crops. Wheat now starting to head extreme southern counties. One-third crop was headed this date 1974. Spraying for greenbugs continued, damage subsiding. Condition wheat mostly good. Few early fields oats and barley heading, both crops in good condition. Corn planting at 25% 1974, and about average for date. A few southern fields sorghums planted. No cotton, peanuts, or soybeans planted, but seedbed preparation about half complete all crops, including sorghum. Weevil and aphid infestations heavy on alfalfa as 1st cutting began. Gardens improved. Ranges providing fair to good grazing. Supplemental feeding now limited.

**OREGON:** Temperatures averaged 1 to 3° below normal, except southeast 4 to 5° below normal. Minimum temperatures averaged 20's and 30's, maximum temperatures averaged in 50's and 60's. Precipitation 1.50 to 3.00 in. along coast, 0.50 to 1.50 in. Willamette Valley, 0.33 to 0.66 in. elsewhere.

Fall seeded grains, hay in fair to good condition. Land preparation, seeding, fertilizing, and spraying continuing. Seed crops in good condition. All fruits continue to develop slow because of cool weather. Bloom sprays being applied. Early green peas, onions have emerged. Beans, beets, carrots being planted. Potatoes 65% planted in Hermiston area. Range forage slow to develop. Livestock being turned out onto range. Hay supplies short. Livestock in fair to good condition.

**PENNSYLVANIA:** Fifth consecutive cool week. Temperatures 4 to 8° subnormal. Mostly mid-20's to mid-30's beginning and end of week. Extremes: 16 and 74°. Showers 24th and storm on 25th brought first significant rainfall along southern area this month. Two-day totals ranged from 0.50

in. north to nearly 3.00 in. south.

Soil moisture mostly adequate to short, dryer than usual for date. Continued cool spring delaying crop progress. Farming activity accelerating with plowing, spreading lime and fertilizer, planting oats and potatoes, grape tying, seeding tobacco beds. Plowing 61%, one week ahead of 1974. Oats planted 47%, 1974 41%. Potatoes 28% planted, 3 days ahead of 1974. Tobacco beds 64% seeded, 1974 99%. Hay condition mostly good to fair. Peaches 28% pink stage and 3% full bloom south. Cherries 17% pink. Amount of feed from pastures below average.

**PUERTO RICO:** Island average rainfall 0.49 in. Highest weekly total 2.00 in. at La Mudacaguas. Highest 24-hour total 1.04 in. at Pico Del Estelunquillo. Temperatures averaged about 78° coasts and 72° interior. Extremes: 55 and 93°.

Sugarcane harvesting operations continued, rains are needed for development of ratoons and new plantings, principally in south coastal areas. Good flowering of coffee trees. Dry weather favored harvesting and curing tobacco, but is preventing development of new growths. Pastures are scarce, rains needed. Production food crops urgently needed, low due dry weather. Farmers waiting for rains to plant.

**SOUTH CAROLINA:** Warmer, dryer than usual. Temperatures above normal first, last of week. Below normal temperatures 21st and 22d; 30's mountains, 40's elsewhere. Scattered showers some areas late week.

Cotton planting increased, condition fair, 31% planted, 33% 1974, 43% average. Corn stands good, 65% planted, 72% 1974, 69% average. Some tobacco damaged from cutworms, wind, condition fair to good; 79% planted, 93% 1974, 72% average. Small grains good to excellent condition, powdery mildew some fields. Some hay cutting underway. Pastures improving. Watermelons fair condition, 90% planted. Peanuts 27% planted, 29% 1974, 27% average.

**SOUTH DAKOTA:** Temperatures averaged 1 to 3° below normal northeast to 5 to 11° above normal south and west. Extremes: 26° Vermillion 21st, 90° Winner 25th. Precipitation widespread ranging from trace at Pierre to 2.07 in. at Dupree.

Fieldwork made rapid progress central, south central and southwest. Little progress elsewhere. Spring plowing 15% complete, 1974 50%, normal 39%. Spring wheat 14%, 1974 72%, normal 60%. Oats 16% seeded, 1974 75%, normal 63%. Barley 17% seeded, 1974 63%, normal 56%. Flax 2%, 1974 19%, normal 12%. Feed supplies short some areas, forcing premature movement of livestock to pastures. Winter grains and pasture growth is slow.

**TENNESSEE:** Temperatures averaged 5 to 8° above normal west, near normal east. Rainfall averaged from 0.25 to over 2.00 in., near to slightly above normal most places.

Land preparation made rapid progress, now near normal. Corn planting 28% completed, 1974 19%, average 21%. Cotton planting 8%, 1974 4%, average 10%. Tobacco bed condition poor. Wheat 2% headed, 1974 35%, normal 21%. Oats 8% headed, 1974 28%, normal 14%. Barley 19%, 49% and 34%, respectively.

**TEXAS:** Showers, thunderstorms scattered; heaviest activity on 27th. Southerly winds resulted, temperatures 5 to 8° above normal most areas. Normals ranged low 60's Panhandle mid-70's south. Rainfall below normal, near 0.50 in. east, little or no precipitation west and south. Wheat, oats,

flax rapidly reaching maturity, harvest started south. Yield prospects good to excellent wheat; oats fair; flax poor. Planting cotton, corn, sorghum normal progress, early stands satisfactory progress. Planting peanuts, rice, sunflowers normal. Wheat excellent progress, most crop headed out. Harvest started south. High, Low Plains earlier freeze damage showing up some localities, anticipating moderate losses. Oat harvest started south, south central, yields generally short. Sorghum planting rapid progress east, few early stands planted High Plains. Early stands beginning head Lower Rio Grande Valley where most crop suffering short moisture. Major Crops percent planted: Cotton 17, 1974 24, average 22; sorghum 56, 1974 42, average 40; peanuts 19, 1974 8, average 12; rice 85, 1974 88, average 79; corn 61, 1974 83, average 70; sugarbeets 97, 1974 100, average 88. Lower Rio Grande Valley: Onion shipments continued heavy, cabbage, carrots light supplies. Tomatoes, cucumbers being picked. Cantaloups, honeydews, watermelons fruiting well. Elsewhere, dryland watermelons suffering from moisture stress. Some dryland cucumbers may not be harvested because of drought central: Most tomatoes slow growth unfavorable weather conditions. Knox-Haskell: Irish potatoes making satisfactory progress. High Plains: Onions, potatoes, carrots satisfactory progress. Peach harvest underway south. Livestock generally good condition north, west. Critical situation South, Lower Rio Grande Valley. Short moisture reduced grazing feed, hay supplies critically short. Losses malnutrition increased little relief in sight. Good calf, lamb crops most areas.

UTAH: Recurring rain and snow. Extremely variable accumulations moisture, from little or none south and east to moderate or heavy over and near northern Wasatch Front. Average temperatures ranged between 2 and 5° below normal. Land preparation and spring planting continue major farm activities. Fieldwork: 5 days suitable. Spring wheat, oats and barley range from 30 to 50% planted. Dry onions about 70% in ground, green peas 46%. Apricot trees in bloom, cherries and peaches approaching. Range and pasture feed condition poor to fair, slowly improving.

VIRGINIA: Rainfall 0.25 to over 2.50 in. Showers, thunderstorms 25th. Temperatures averaged slightly above normal. Extremes: 86 and 28°. Fieldwork: 4.7 days favorable. Topsoil moisture 71% adequate, 25% short, and 4% surplus. Corn planting 21% complete, 1974 23%, average 27%. Tidewater, southeast 45% planted. Soybean, peanut planting started. Small grains good condition. Wheat powdery mildew spreading. Tobacco plant beds irrigated. Transplanting flue-cured to start soon. Potato planting virtually complete. Early fields coming up. Fruit good condition. Apples; no damage

to date. Peach damage from none to heavy depending on area. Pasture, hay growing slowly, soil too cold, some areas too dry.

WASHINGTON: West: Average temperatures 2 to 3° subnormal. Extremes: 50's and 30's. Precipitation total amounts from 0.80 to 3.00 in.

Rain and cold temperatures halted fieldwork and slowed pasture and berry growth. Planting strawberries, peas, corn, pastures. Germination slow on vegetables and pastures. Harvesting field rhubarb. Pastures slow to grow, supplemental feeding continued. East: Average readings 3 to 6° subnormal. Extremes: 60's and 20's. Precipitation end of period, totals from 0.05 to over 1.00 in.

Cool temperatures delayed fruit blossoms and reduced set on apricot. Peach and cherry trees. Planting potatoes and spring wheat, stringing hops. Seed beds being prepared and pre-irrigating. Harvesting asparagus. Plowing summerfallow. Spraying and fertilizing wheat. Winter wheat improving with warmer, drier weather. Winterkill and snow mold showing up. Pastures growing slowly, stockmen seeking supplemental feed.

WEST VIRGINIA: Temperatures near normal. Precipitation above normal with 2.00 in. north central and 1.00 in. elsewhere.

Fieldwork: Suitable 4.1 days. Soil moisture mostly adequate to surplus. Farm activities include plowing, planting, fence repairs and gardening.

WISCONSIN: Temperatures averaged 2° subnormal. Highs 50's and 60's except 70's south on 23d. Showers and thunderstorms 22d to 23d. Heaviest west and north. Heavy rain again west and southwest on 27th. Local amounts excess of 4.00 in. Rainfall averaged 1.00 in. east to 3.00 in.

Fieldwork slow starting. Oats 2% planted, 1974 35%, normal 30%. Spring plowing 3% done, 1974 30%, normal 25%. Only sandy and lighter soils workable prior to weekend rains. Soil moisture 4% short, 58% adequate, 38% surplus before heavy rain. Fields now saturated most areas. Hay supplies short many farms, prices high. Bedding supplies more adequate than past two springs. Maple sap run generally poor as too cold for best flow.

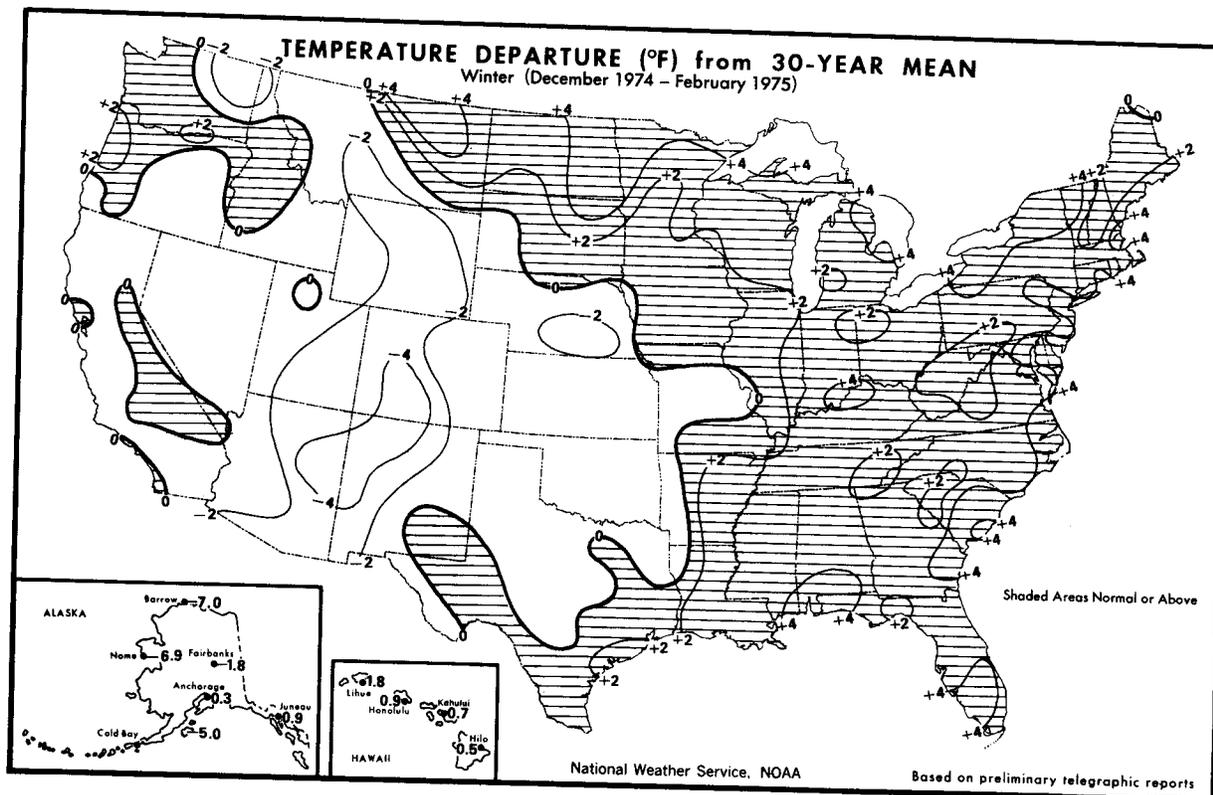
WYOMING: Week ended dry note, all areas far below normal precipitation. Temperatures very close to seasonal. Very warm temperatures on 24th and 25th near 80°.

Fieldwork picked up, but progress 2 to 3 weeks behind 1974. Spring wheat 20%, oats 20%, barley 22% seeded. Sugarbeets 13% planted, 70% 1974. Oats 5%, barley 7% emerged. Topsoil moisture adequate. Winter wheat prospects fair to good. Calving 77% complete. Range ewes lambs 40%, farm flocks 85%. Shearing more advanced than 1974 with range sheep 53% shorn, farm flocks 68%.

Heating Degree Days (Base 65°) For Week Ending April 27, 1975

States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74
ALA.Birmingham . . .	11	- 3	2570	-250	421	Portland . . .	160	25	6747	-210	289	Tulsa . . .	59	36	3879	234	573
Mobile . . .	2	1	1365	-319	328	MD.Baltimore . . .	60	0	4264	-333	25	OREG.Astoria . . .	129	17	4376	-225	-403
Montgomery . . .	8	1	1967	-291	324	MASS.Boston . . .	117	22	5230	-110	237	Burns . . .	166	37	6587	- 33	236
ARIZ.Flagstaff . . .	159	15	6740	156	716	MICH.Alpena . . .	163	14	7635	-218	84	Medford . . .	130	40	4502	- 48	274
Phoenix . . .	6	- 1	1558	9	465	Detroit . . .	135	37	6375	-267	459	Pendleton . . .	97	14	4264	-653	-208
Tucson . . .	16	7	2183	479	531	Flint . . .	130	19	6539	- 88	304	Portland . . .	109	20	3993	-372	- 46
Winslow . . .	72	8	5142	570	489	Grand Rapids . . .	134	29	6987	- 541	665	Salem . . .	121	26	4226	-160	-188
Yuma . . .	7	6	1152	147	245	Houghton Lake . . .	154	19	7710	- 75	197	PA.Allentown . . .	104	20	5475	-110	456
ARK.Fort Smith . . .	4	-11	3589	274	547	Lansing . . .	129	24	6701	164	285	Erie . . .	153	33	6367	- 21	576
Little Rock . . .	9	- 8	3059	-268	414	Marquette . . .	163	11	7512	-141	- 80	Harrisburg . . .	88	23	5199	127	691
CALIF.Bakersfield . . .	34	10	2117	- 38	361	Muskegon . . .	122	7	6508	43	83	Philadelphia . . .	77	12	4491	-228	179
Eureka . . .	112	8	4067	112	75	S. Ste. Marie . . .	174	12	8602	170	72	Pittsburgh . . .	109	27	5516	-156	511
Fresno . . .	63	31	2840	262	465	MINN.Duluth . . .	182	23	9435	420	195	Scranton . . .	113	20	5691	-310	-255
Los Angeles . . .	50	10	1305	-312	- 24	Internatl Falls . . .	168	10	9755	-100	- 23	R.I.Providence . . .	118	13	5531	-106	354
Red Bluff . . .	81	41	3054	453	369	Minneapolis . . .	112	- 2	7969	63	435	S.C.Charleston . . .	9	2	1941	-197	548
San Diego . . .	25	- 3	1282	- 82	255	Rochester . . .	114	- 1	8097	284	479	Columbia . . .	11	4	2306	-277	714
San Francisco . . .	92	29	2918	231	139	St. Cloud . . .	123	- 2	8798	387	479	Greenville . . .	13	- 6	3199	71	469
Stockton . . .	62	23	2915	205	450	MISS.Jackson . . .	3	- 4	2066	-225	320	S.DAK.Aberdeen . . .	97	-19	7797	-380	-346
COLO.Denver . . .	62	-38	5826	182	309	Meridian . . .	9	2	2168	-210	631	Huron . . .	96	-10	7909	39	452
Grand Junction . . .	72	- 1	5698	272	- 68	MO.Columbia . . .	13	-39	5409	418	645	Rapid City . . .	75	-41	7045	129	611
Pueblo . . .	35	-37	5248	56	294	Kansas City . . .	8	-44	5347	387	611	Sioux Falls . . .	85	-20	7598	123	536
CONN.Bridgeport . . .	112	16	5891	- 95	424	St. Louis . . .	22	-22	5001	380	504	TENN.Chatanooga . . .	25	1	3694	249	804
Hartford . . .	102	4	5080	-173	355	Springfield . . .	9	-36	4659	205	682	Knoxville . . .	22	- 3	3418	- 4	585
DEL.Wilmington . . .	86	18	4676	-112	468	MONT.Billings . . .	104	-15	7106	351	856	Memphis . . .	3	-12	2878	-322	375
D.C.Washington . . .	42	- 1	3740	-384	415	Glasgow . . .	102	-23	7967	-460	37	Nashville . . .	14	-10	3413	-229	463
FLA.Apalachicola . . .	1	1	1015	-346	226	Great Falls . . .	147	21	7482	408	720	TEX.Abilene . . .	2	-11	2720	124	544
Daytona Beach . . .	0	0	570	-327	55	Havre . . .	113	-15	7926	-352	410	Amarillo . . .	5	-41	4163	87	614
Ft. Myers . . .	0	0	146	-311	- 88	Helena . . .	163	31	7891	348	758	Austin . . .	0	- 2	1614	-123	238
Jacksonville . . .	0	0	1168	-159	235	Kalispell . . .	154	16	7779	- 34	685	Brownsville . . .	0	0	520	-132	37
Key West . . .	0	0	7	- 55	- 34	Miles City . . .	77	-32	7323	-119	532	Corpus Christi . . .	0	0	824	-106	116
Lakeland . . .	0	0	370	-308	- 11	Missoula . . .	162	35	7104	-178	351	Del Rio . . .	0	0	1429	- 94	325
Miam. . .	0	0	59	-147	- 72	NEBR.Grand Island . . .	39	-43	6588	422	582	El Paso . . .	4	- 5	2780	105	308
Orlando . . .	0	0	387	-317	- 21	Lincoln . . .	33	-40	6504	501	456	Fort Worth . . .	1	- 7	2281	- 98	302
Tallahassee . . .	5	4	1547	- 16	441	Norfolk . . .	52	-37	6887	185	594	Galveston . . .	0	0	892	-332	116
Tampa . . .	0	0	391	-327	- 27	North Platte . . .	42	-54	6750	346	351	Houston . . .	4	4	1190	-244	- 14
W. Palm Beach . . .	0	0	112	-187	- 62	Omaha . . .	26	-40	6316	459	473	Lubbock . . .	3	-24	3513	6	735
GA.Atlanta . . .	9	-10	2873	-189	568	Valentine . . .	47	-60	6957	44	461	Midland . . .	1	- 9	2454	-164	320
Augusta . . .	14	5	2638	104	665	NEV.Ely . . .	187	40	7159	115	259	Beaumont . . .	6	6	1363	-155	186
Macon . . .	8	1	2057	-174	470	Las Vegas . . .	29	11	2610	25	192	San Angelo . . .	0	- 7	2278	41	524
Savannah . . .	6	- 1	1537	-414	263	Reno . . .	146	34	5820	315	605	San Antonio . . .	1	1	1534	- 36	247
IDAHO.Boise . . .	111	16	5318	-130	373	Winnemucca . . .	140	18	6088	15	667	Victoria . . .	0	0	944	-283	84
Lewiston . . .	97	10	4929	-180	103	N.H.Concord . . .	141	17	7304	364	389	Waco . . .	4	1	2215	157	491
Pocatello . . .	150	32	6713	170	375	N.J.Atlantic City . . .	98	26	4763	- 17	534	Wichita Falls . . .	2	-10	2890	2	499
ILL.Cairo . . .	3	-20	3832	45	408	Trenton . . .	84	14	4655	-132	285	UTAH.Salt Lake C . . .	121	30	5495	-129	142
Chicago . . .	111	27	6039	177	411	N.MEX.Albuquerque . . .	49	2	4707	489	524	VT.Burlington . . .	160	31	7306	-126	37
Moline . . .	80	3	6380	218	475	Roswell . . .	11	-15	3660	- 9	652	VA.Lynchburg . . .	38	- 6	4251	118	614
Peoria . . .	70	- 4	6073	200	503	N.Y.Albany . . .	136	33	6835	272	298	Norfolk . . .	46	10	3210	-213	536
Rockford . . .	110	17	6749	202	560	Binghamton . . .	160	42	7168	324	844	Richmond . . .	46	10	3944	81	679
Springfield . . .	37	-25	5433	42	449	Buffalo . . .	139	21	6295	-204	68	Roanoke . . .	36	-13	4237	49	718
IND.Evansville . . .	17	-27	4424	- 90	553	New York . . .	90	18	4643	- 94	314	WASH.Quillayute . . .	151	27	5041	-131	-364
Fort Wayne . . .	102	15	6093	156	442	Rochester . . .	139	30	6405	58	417	Seattle-Tacoma . . .	128	26	4537	-127	200
Indianapolis . . .	65	- 5	5477	96	785	Syracuse . . .	141	36	6439	124	197	Spokane . . .	141	27	6613	294	478
South Bend . . .	104	8	5845	-302	496	N.C.Asheville . . .	33	-15	3947	-158	573	Walla Walla . . .	90	17	4440	-144	140
IOWA.Burlington . . .	53	-20	6123	189	515	Hatteras . . .	24	- 5	2383	-292	534	W.VA.Beckley . . .	105	14	5399	-242	108
Des Moines . . .	38	-43	6468	0	577	Charlotte . . .	12	- 7	3237	59	487	Charleston . . .	74	- 4	5339	19	868
Dubuque . . .	106	10	7322	378	599	Greensboro . . .	22	- 9	3565	-190	221	Huntington . . .	72	23	4813	364	1006
Sioux City . . .	48	-35	6924	224	821	Raleigh . . .	27	- 3	3550	93	792	Parkersburg . . .	51	0	4483	3	745
KANS.Concordia . . .	20	-46	5549	124	366	Wilmington . . .	8	- 3	2249	-174	566	WIS.Green Bay . . .	76	21	4728	60	639
Dodge City . . .	11	-47	4910	21	376	N.Dak.Bismarck . . .	113	-11	8805	269	- 31	LaCrosse . . .	141	18	7794	173	486
Goodland . . .	46	-44	5926	112	272	Fargo . . .	135	7	8502	-289	-608	Madison . . .	103	9	7368	255	481
Topeka . . .	7	-47	5225	133	361	Williston . . .	128	1	8616	- 16	- 41	Milwaukee . . .	163	43	6910	- 49	436
Wichita . . .	12	-32	4820	245	290	OHIO.Akron-Canton . . .	123	30	5728	-194	517	WYO.Casper . . .	110	-23	7437	469	522
KY.Lexington . . .	48	- 4	4544	- 53	666	Cleveland . . .	130	35	5869	29	757	Cheyenne . . .	118	-15	7106	453	602
Louisville . . .	30	-18	4289	-228	592	Columbus . . .	89	12	5314	-170	630	Lander . . .	134	2	7482	196	415
LA.Baton Rouge . . .	2	2	1458	-212	408	Cincinnati . . .	57	- 3	5007	106	528	Sheridan . . .	114	-12	7587	471	796
Lake Charles . . .	6	6	1338	-160	234	Dayton . . .	84	9	5335	- 99	384						
New Orleans . . .	1	1	1295	-170	364	Toledo . . .	122	29	6243	164	255						
Shreveport . . .	1	- 6	2258	96	348	Youngstown . . .	133	34	6188	98	521						
MAINE.Caribou . . .	198	26	9024	103	94	OKLA.Okla City . . .	4	-20	3762	112	486						

\* Based on 1941-70 Normals.



### WINTER 1974-75 SEASONAL STORY

**HIGHLIGHTS:** Temperatures averaged normal or above over the Northern Great Plains and areas east of the Mississippi. The heavily populated East Coast averaged 3 to 6° above normal.

Most of the Country received normal or above precipitation. The western Great Plains received less than 70 percent of normal. Parts of the Desert Southwest also received well below normal precipitation.

**PRECIPITATION:** Precipitation was near normal in most areas during December as several intense storms moved across the Nation. The major exception was the Great Plains. From 12 to 18 in. of snow fell across the eastern Great Lakes and the Appalachians. It was the worst snow storm since 1968 in West Virginia. A pair of storms combined to blanket the Great Plains and Corn Belt during the 2d week. Heavy rain during the 3d week caused local flooding in several Middle Atlantic States. Heavy rains fell in the Deep South during the last week of the the month.

January precipitation was well above normal in many areas. Parts of Minnesota, Wisconsin, Montana and Georgia received at least three times the normal precipitation. The most severe weather occurred during the 2d week. Heavy rains of 5.00 in. or more in the Deep South were accompanied by at least 41 tornadoes. A major blizzard swept across the Northern Great Plains with heavy snow

swept by 30 to 70 mph winds. Another powerful storm walloped the Great Lakes region on the 24th, leaving as much as 2 feet of new snow.

Precipitation during February was normal or above east of a line from Duluth, Minn. to El Paso, Texas. Heavy rains fell in the Southeast the week of the 10-16th. Three to four inches fell in Louisiana, Mississippi, Alabama and Georgia. Several tornadoes were also reported. The week ending the 23d, a storm packing heavy precipitation, tornadoes and high winds cut a path from Oklahoma up through the Ohio Valley. Over 3.00 in. of rain fell across parts of Illinois, Indiana, Kentucky and Ohio.

**TEMPERATURE:** December temperatures averaged well above across the Nation except for the southwest quadrant and parts of Texas, Arkansas and Missouri.

This temperature pattern continued into January. The first half of January, temperatures were above normal in the East, below normal in the West. The pattern reversed itself during the third week, and the entire Nation was above normal during the closing week.

Some of the coldest weather of the year occurred during February in many western States. However, temperatures continued to average well above normal east of the Mississippi. After two months of well above normal temperatures, the northern Mountain States 6 to 14° below normal.



WORLD AGRICULTURE WEATHER SUMMARY

-AN UPDATE-

Widespread and rather generous mid-April rains ended an extended dry spell in the north China winter wheat region and no doubt enhanced production prospects.

The USSR also received beneficial precipitation after mid-month in parts of both winter and spring wheat regions but winds have often been strong and temperatures have fluctuated widely. The situation is rather "iffy."

Turkey has had very wet weather the latter half of April including some flooding. Good production of winter grains is almost assured except of course where flooding might have caused damage.

The previously dry area of E. Europe--Romania and Bulgaria in particular-- has benefitted by rainy weather in recent weeks although at some harassment to spring planting.

Spring rains including a spell of wet weather since April 18 have improved the barley and wheat crops in Spain and enhanced prospects for other crops and pastures. Frosts and hail, however, damaged fruits and vegetables early in the month.

A rainy spring vastly improved soil moisture throughout Italy, alleviated drought in the south, and gave a boost to wheat and other crop prospects.

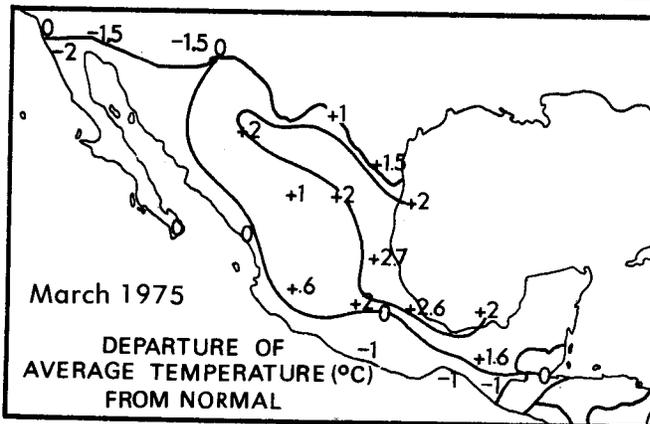
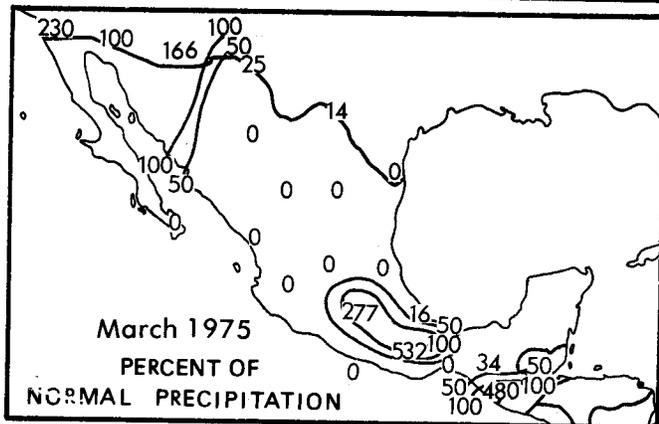
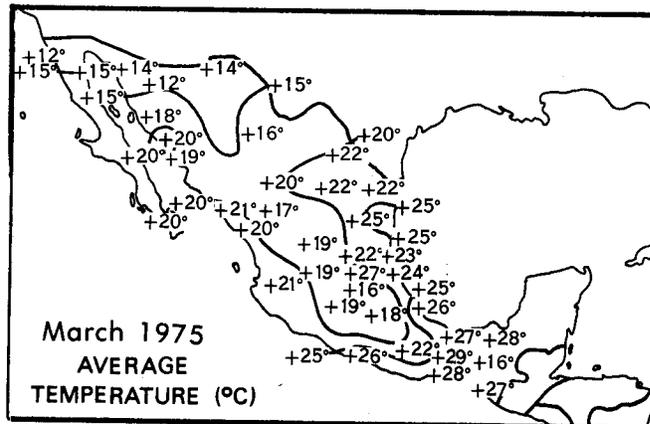
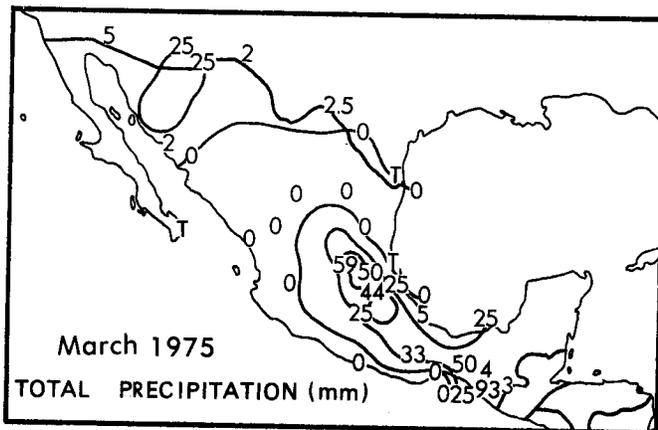
The most wintry weather of the season hit the United Kingdom the last week of March and first half of April causing severe setback of previously advanced crops and pastures, lambing losses, and slowing spring seeding.

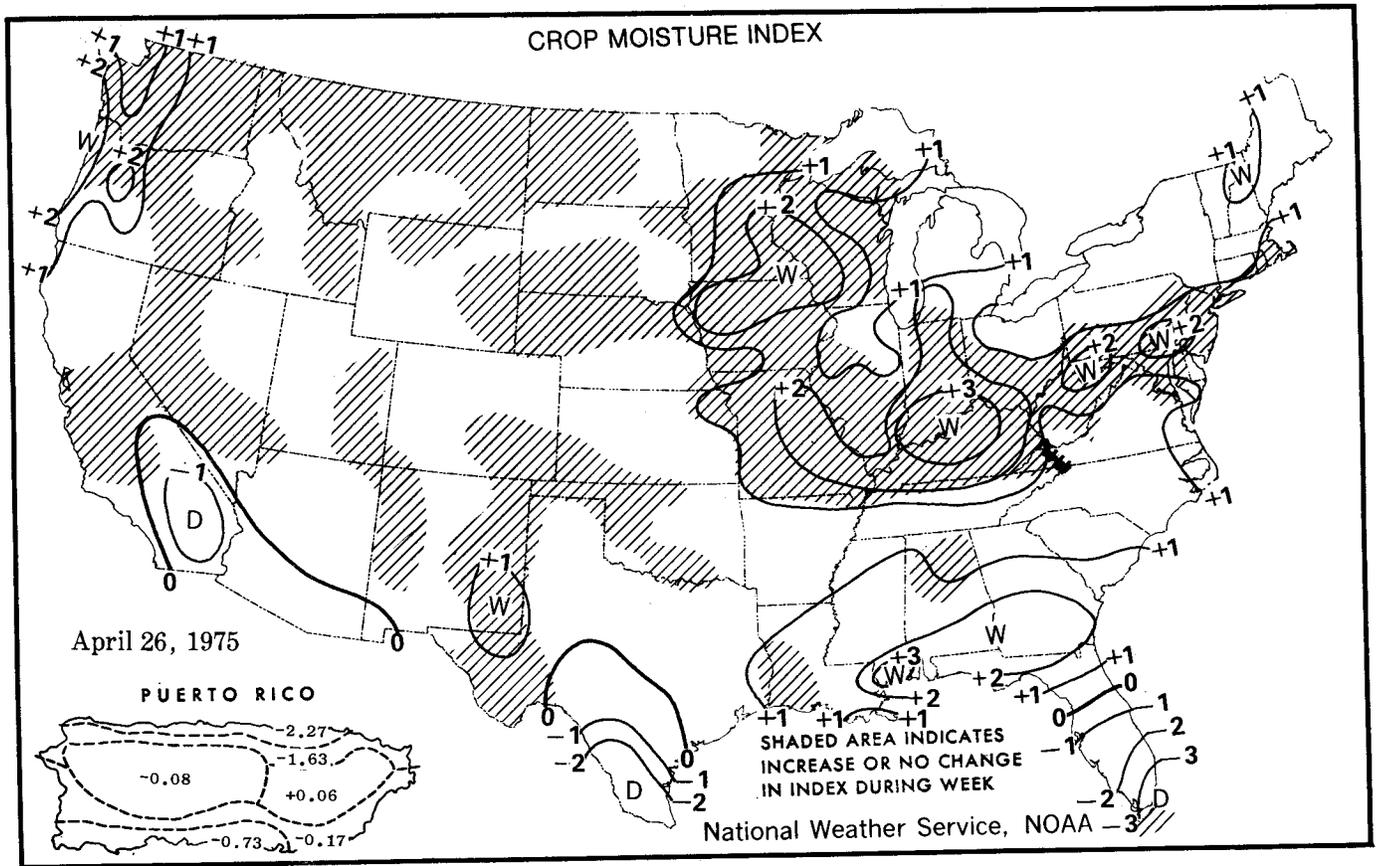
Similar weather plagued much of Western Europe where sugarbeet and other spring seeding has been delayed and growth of winter crops and pastures retarded. More favorable weather has prevailed in much of the region since April 20.

An April 5 hail storm in important Mendoza Province of Argentina hurt grapes and vegetables...after heavy rains had already seriously reduced the crops of late apples and pears. The torrential rains of late March and early April caused flooding in three provinces and severe damage in five others mostly affecting corn, sorghum and fruit.

Peru also had heavy rains and flooding during the same period with losses to rice and bananas. The impact was largely offset by improved prospects for other crops and pastures.

Chile had been very dry. April rains have been frequent in the south, inadequate in the important central portion, and nonexistent in the north.





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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## AVERAGE MONTHLY WEATHER OUTLOOK

