

Weekly Weather & Crop Bulletin

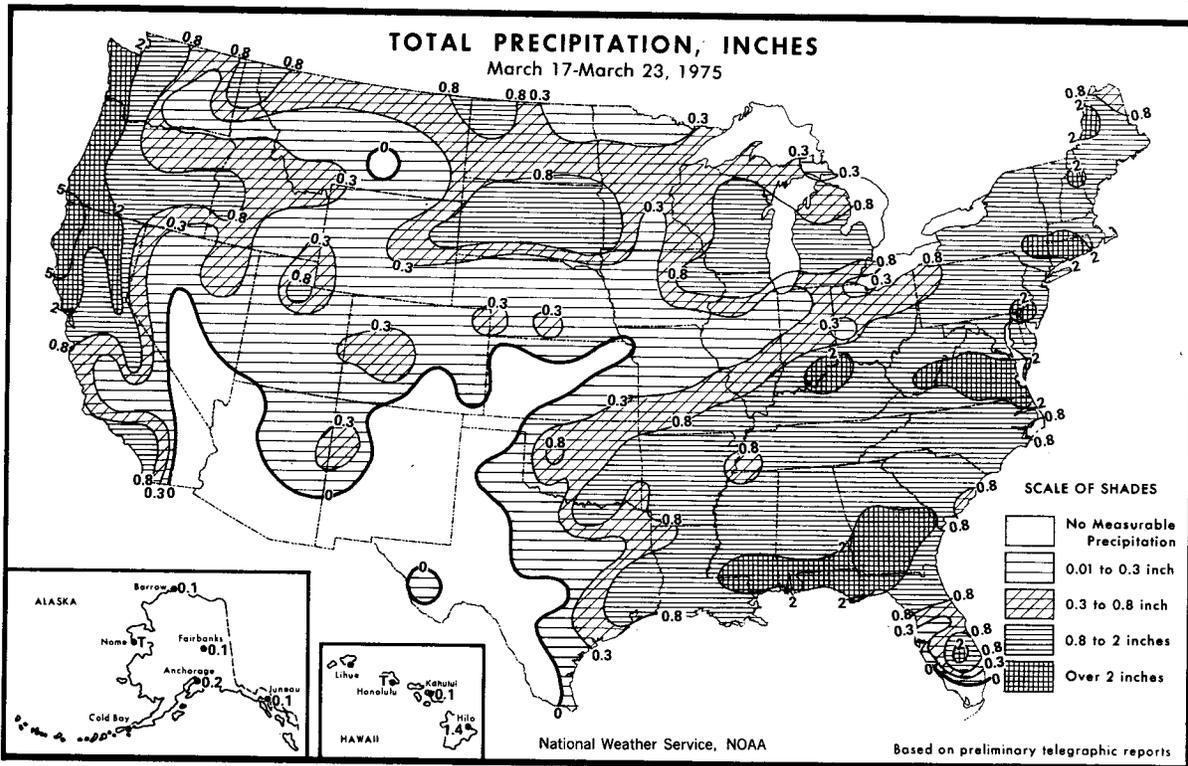
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NATIONAL WEATHER SUMMARY

For the Week of March 17 - 23

HIGHLIGHTS: Heavy precipitation fell across many previously dry areas in North and South Dakota as a massive storm unleashed by a deepening low pressure system clinched its grip on the upper Plains during the weekend. However much-needed precipitation evaded the dry areas of eastern Colorado and western Kansas.

Spring-like temperatures engulfed most of the Nation last week, stretching from the western Rocky Mountains to the East Coast. The greatest departure from normal occurred in the Central Plains where both Columbia, Mo. and Springfield, Ill. averaged 12° above normal.

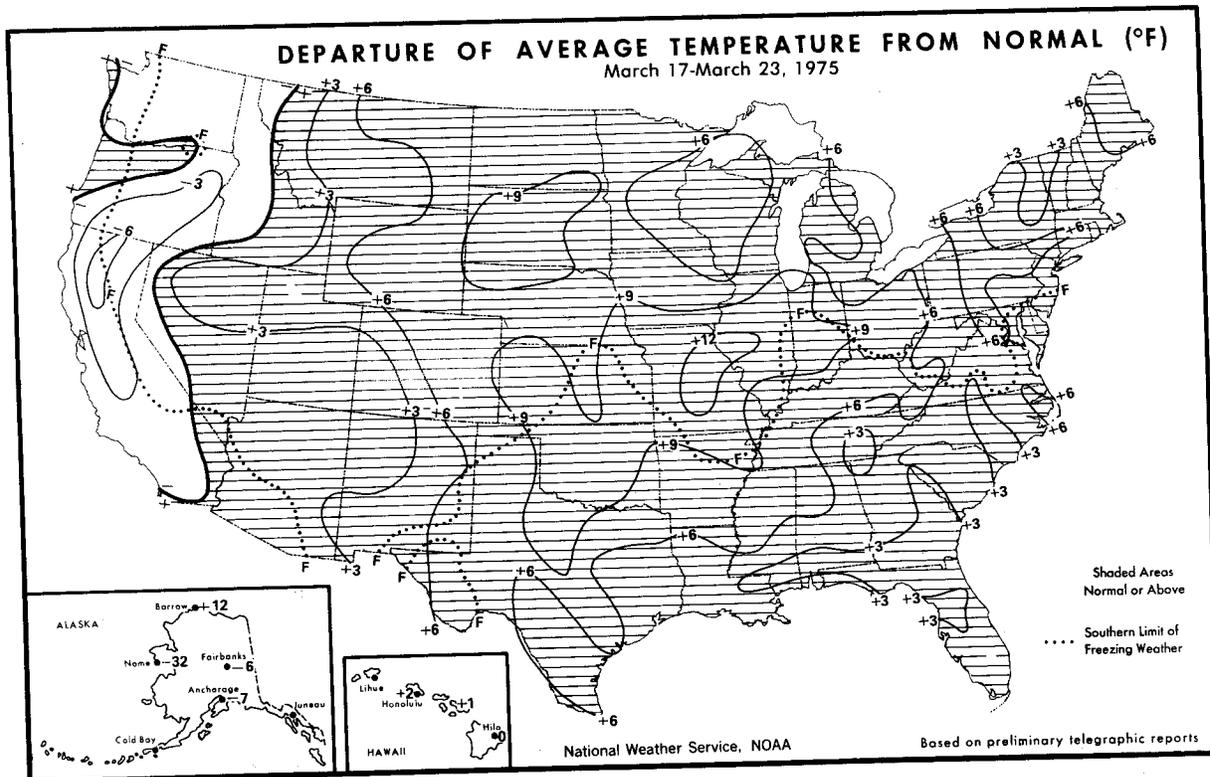
PRECIPITATION: Monday, a Low off Cape Hatteras, N.C. triggered rain from eastern Maryland through eastern Virginia and northeastern North Carolina. Elsewhere a Pacific Front moving onto the Coast produced heavy rain in Washington and Oregon. Quillayute, Wash. measured more than 1.00 in. of rain before dawn.

Midday on Tuesday, a Low hovered over northeast Texas causing extensive rain and thunderstorm activity along a front in Arkansas, Mississippi, and southeast Louisiana. Rain fell ahead of the front all the way to Georgia and South Carolina.

The Pacific Coast front dissipated later in the day over Montana while another storm system invaded the Pacific Northwest triggering rain all along the coast from northern California northward.

Wednesday, the Low and accompanying frontal system moved from northeast Texas to south central Virginia spreading rain from eastern Great Lakes area southward through western New York down to North Carolina and from east Indiana through Tennessee. In only six hours the storm dumped over 1.50 in. of rain at Philadelphia, and Willow Grove, Penn., while Salisbury, Md. and Dover, Del. received around 1.25 in.

Thursday, the strong Low pressure center that



brought heavy rains and flooding to many parts of the eastern United States during the past two days was centered over Maine. By early morning more than 2.00 in. of rain had been dumped on Hartford, Conn. and Rumford, Maine. Elsewhere, another deep Low moved from Virginia to Connecticut continuing the rain throughout New England and southward to Pennsylvania. Elsewhere spotty precipitation fell along a front moving through California and Nevada. Showers continued along the Pacific Northwest Coastal areas.

Another early spring storm invaded the Pacific Northwest Coast on Friday packing heavy snow across the coastal mountains and Cascades of Oregon. The storm system lingering off the Maine Coast continued to produce rain over New England. A deepening Low in Kansas, moving northeastward left only traces of precipitation across the State.

Saturday, the Low drifted from Kansas to Michigan and a front stretched southwestward to Arkansas and northwest Texas, causing snow from the Lakes westward. This complex storm system joined another low over Wyoming with a front extending southwestward to southern California. Showers of snow and rain fell along the front and around the Low from Montana to southern California. A Low center off the Coast of Washington caused rain or showers along the entire West Coast. In the east a few thunderstorms were scattered from Mississippi through Tennessee, Kentucky and into central Ohio and to portions of lower Michigan.

A powerful storm system engulfed the Plains from the Canadian Border into Texas, on Sunday, battering the northern Plains with snow and blowing snow. By early morning North Dakota was blanketed with 4 to 6 in. of snow.

TEMPERATURE: Monday, afternoon temperatures

ranged in the 70's and 80's in Florida, Texas and the Desert Southwest. The 50's reached the Canadian Border of the Northern Plains and southwest Maine.

Afternoon temperatures Tuesday, were cool in the Carolinas and northern Georgia with readings only in the 40's. The rest of the Nation enjoyed mild temperatures with 50's reaching as far north as Maine, North Dakota, and eastern Montana.

Wednesday, sunny skies and mild temperatures again prevailed through portions of the Plains and Mississippi Valley. Temperatures climbed to the 50's during the afternoon in eastern Montana and western North Dakota while Nebraska and South Dakota baked under 70° readings.

Spring-like temperatures continued during pre-dawn hours on Thursday in the central and southern Plains and in the Mississippi Valley. Afternoon spring fever temperatures hit the upper 70's and middle 80's into Kansas. Most of the Nation west of the Rockies stayed in the cool zone.

Friday, southerly winds continued to keep temperatures pleasantly mild overnight through the Great Plains and middle Mississippi Valley. Central Illinois morning minimums in the middle fifties were 25° above normal.

A warm front moving northward to the lower Great Lakes brought mild temperatures to the Ohio and Tennessee Valleys on Saturday. Readings in the middle 50's and 60's extended into central Ohio. Meanwhile northern New England and the northern Plains remained chilly and west of the Rockies continued to be cold.

Sunday, colder air with temperatures in the upper teens and lower 20's streamed southward through the upper plains. Meanwhile readings in the 60's pushed northward ahead of the storm through the Mississippi Valley. Columbus, Ga. set a record for the day with a high of 83.

NATIONAL AGRICULTURAL SUMMARY

For the Week of March 17 - 23

HIGHLIGHTS: Warmer temperatures stimulated growth of wheat, small grains, and pastures in most Eastern and Southern States. Planting of row crops made excellent progress in Texas. Excess moisture and flooding conditions continue to delay spring field activities in several Eastern States. Soft and muddy pastures forced supplemental feeding. Livestock conditions are poor to fair in many States as feed and roughage supplies dwindle. Culling continues heavy where feed supplies are short.

SMALL GRAINS: Winter wheat started greening up in much of the southern Great Plains and growth was stimulated in most of Texas and Oklahoma. In Kansas, some growth occurred, but ground cover was inadequate in many western areas. Light wind damage happened in some counties in Kansas and Nebraska. Warm weather improved the outlook in the eastern Corn Belt as many fields started to green up. Surplus moisture is still a problem in southern Illinois, Indiana, and Ohio. Wheat in Alabama and Mississippi was jointing much behind last year and normal. Extremely dry conditions still prevail in eastern Colorado and western Nebraska. Much needed moisture fell throughout South Dakota over the weekend. Winter wheat was mostly dormant in Montana, while rains improved wheat stands in Washington.

Spring wheat seeding was underway in Wyoming and Washington.

Fall sown small grains were responding to warmer temperatures throughout much of the East and South. However, heavy rains, surplus moisture conditions, and flooding continue to delay fertilizing and top dressing in several States. Small grain growth accelerated in Alabama and Kentucky showed early growth in Arkansas and held fairly stable in North Carolina. Oats were jointing in Mississippi and heading in Florida.

Spring oats and barley seeding was near completion in Oklahoma where development was one week behind the 1974 progress. Seeding oats and barley continued behind normal in Kansas but was underway in Colorado and Wyoming. Considerable oat seeding was accomplished in Indiana with the first extended spring-like weather,

OTHER CROPS: Warm weather aided fieldwork in several States and plowing got underway in Illinois and made good progress in northern Indiana. Seedbed preparations moved at a rapid pace in Texas, however, land preparation was 3 weeks behind in Tennessee because wet fields and floods delayed fieldwork.

Corn planting continued in the extreme southern areas of Alabama; was 5 to 10% complete in Louisiana; and 38% complete in Texas, compared with 34% a year earlier. Planting was also active in California's San Joaquin Valley.

Cotton planting made excellent progress in Texas from the Blacklands to the south and early stands were making satisfactory growth. Statewide, 7% of the cotton crop was planted compared with 6% for both last year and normal. Cotton planting continued in California and field preparations were well advanced in Arizona.

Sorghum planting was 27% complete in Texas, unchanged from a year ago, but much ahead of normal.

Sugarbeet planting was underway in the northern

areas of California, in Washington, and Wyoming; 3% done in Colorado and 20% complete in Texas. Sugarcane harvest was nearing completion in Florida. Cool weather retarded sugarcane growth in Louisiana, but stands are average.

Tobacco plantbeds were hurt by excess moisture in Virginia, while flue-cured plant beds were in fair to good condition in North Carolina. Transplanting continued in Georgia and South Carolina.

Rice was 25% seeded in Texas, behind last year's pace, but near the normal 20%. Seeding in Louisiana was 10% done, unchanged from last year. Seeding was underway in the northern areas of California.

First cutting alfalfa hay was in full swing in the warmer areas of Arizona.

FRUITS AND NUTS: Deciduous fruits were in various stages of bloom in California. Almond bloom was about over and walnuts were starting to break dormancy. The citrus harvest continues at seasonal levels.

Pecans were budding and leafing in southern and central areas of Texas, but most trees in the northern areas were still dormant. Citrus harvest was rapidly approaching completion.

In Florida, citrus trees continue in excellent condition, but rain was needed. High winds were evaporating the surface moisture. All citrus areas have open bloom. The early and mid-season orange harvests were near completion.

Valencia orange, Mandarin, and limited grapefruit picking continued in central Arizona.

VEGETABLES: Scattered shower activity aided most vegetable areas in Florida, except the extreme south. The rainfall was helpful, but more is needed and irrigation was still active. Vegetables moving in heavy volume were; cabbage, celery, peppers, sweet corn, and tomatoes. Supplies increased for cukes, eggplant, lettuce, sweet corn, and tomatoes.

Lettuce harvest was in the final stages in the Texas Lower Rio Grande Valley, while cabbage and carrots started the seasonal decline. Watermelons, cantaloups, honeydews, green peppers and tomatoes required heavy irrigation. The dry-land crop was starting to show stress in the Coastal Bend area. Onion and tomatoes were being set in the Central and High Plains area.

In California, asparagus, broccoli, carrots, cauliflower and celery supplies were good. Strawberry harvest was increasing on the south coast.

Transplanting tomatoes continued in South Carolina along with planting cucumbers, snap beans, and squash.

PASTURES AND LIVESTOCK: Above normal temperatures started pastures greening up, but overgrazing and muddy conditions restricted use in most areas and livestock still had to be maintained on supplemental feed. Pastures and ranges were generally fair in Arizona and good in California. Livestock condition continues to decline in several States as shortages of hay and roughage increased. Short supplies forced many farmers in South Dakota to haul water to their livestock.

Calving and lambing were making good progress in most States while above normal temperatures helped keep losses to new borne near or below normal.

Mar. 23, 1975

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

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	61	+ 7	1.5	+ .1	La. Baton Rouge . . .	64	+ 3	1.3	+ .2	Youngstown . . .	42	+ 5	.7	- .1
Mobile . . .	65	+ 5	1.6	- .1	Lake Charles . . .	66	+ 5	1.3	+ .5	OKLA. Okla. City . . .	59	+10	.3	- .2
Montgomery . . .	62	+ 5	1.9	+ .5	New Orleans . . .	65	+ 4	1.8	+ .6	Tulsa . . .	60	+11	.6	0
ALASKA. Anchorage . . .	17	- 7	.2	+ .1	Shreveport . . .	64	+ 6	.3	- .1	OREG. Astoria . . .	44	0	3.2	+1.8
Barrow . . .	- 2	+12	.1	+ .1	MAINE. Caribou . . .	32	+ 7	.3	- .2	Burns . . .	33	- 4	.8	+ .6
Fairbanks . . .	5	- 6	.1	0	Portland . . .	37	+ 4	1.2	+ .4	Medford . . .	42	- 3	2.6	+2.2
Juneau . . .	32	0	.1	- .7	MD. Baltimore . . .	49	+ 5	1.9	+1.1	Pendleton . . .	45	+ 1	5.0	+ .3
Kodiak . . .	-25	-32	T	- .2	MASS. Boston . . .	43	+ 4	.9	0	Portland . . .	44	- 2	2.0	+1.2
Nome . . .	36	+ 1	.1	- .3	Chatham . . .	42	- .8	---	---	Salem . . .	46	+ 1	3.0	+2.0
ARIZ. Flagstaff . . .	62	+ 2	0	- .1	MICH. Alpena . . .	33	+ 5	.8	+ .4	PA. Allentown . . .	45	+ 6	1.8	+1.0
Phoenix . . .	59	+ 1	0	- .1	Detroit . . .	42	+ 5	.4	- .2	Erie . . .	39	+ 5	.7	+ .1
Tucson . . .	59	+ 1	0	- .1	Flint . . .	41	+ 7	1.2	+ .7	Harrisburg . . .	46	+ 4	1.3	+ .5
Winslow . . .	47	+ 1	.1	0	Grand Rapids . . .	38	+ 4	1.0	+ .4	Philadelphia . . .	48	+ 5	2.4	+1.5
Yuma . . .	64	+ 0	0	- .1	Houghton Lake . . .	34	+ 6	.3	- .1	Pittsburgh . . .	45	+ 5	.9	+ .1
ARK. Fort Smith . . .	59	+ 8	1.7	+ .6	Lansing . . .	40	+ 6	1.2	+ .6	Scranton . . .	44	+ 7	1.4	+ .8
Little Rock . . .	59	+ 8	1.7	+ .6	Marquette . . .	35	+ 6	2.0	- .2	R. I. Providence . . .	42	+ 4	1.1	+ .2
CALIF. Bakersfield . . .	55	- 2	.1	0	Muskegon . . .	40	+ 6	1.0	+ .4	S. C. Charleston . . .	61	+ 4	.6	- .5
Eureka . . .	47	- 1	6.6	+5.5	S. Ste. Marie . . .	30	+ 5	.1	- .3	Columbia . . .	59	+ 4	.9	- .2
Fresno . . .	50	- 4	.3	- .1	MINN. Duluth . . .	31	+ 6	.4	0	Greenville . . .	56	+ 4	1.4	+ .2
Los Angeles . . .	57	- 2	1.0	+ .5	Internat'l Falls . . .	31	+ 8	.2	- .1	S. D. Aberdeen . . .	40	+11	1.0	+ .8
Red Bluff . . .	47	- 7	1.7	+1.1	Minneapolis . . .	34	+ 4	.3	- .1	Huron . . .	39	+ 8	.9	+ .7
San Diego . . .	59	+ 1	.2	- .2	Rochester . . .	34	+ 5	.4	0	Rapid City . . .	41	+ 9	.9	+ .7
San Francisco . . .	51	- 2	1.9	+1.3	St. Cloud . . .	33	+ 5	.6	+ .3	Sioux Falls . . .	40	+ 8	.9	+ .6
Stockton . . .	49	- 4	.9	+ .5	MISS. Jackson . . .	64	+ 7	1.3	0	TENN. Chattanooga . . .	53	+ 2	1.1	- .2
COLO. Denver . . .	46	+ 8	.1	- .7	Meridian . . .	61	+ 4	1.2	- .2	Knoxville . . .	55	+ 4	.9	- .2
Grand Junction . . .	43	+ 1	.5	+ .3	MO. Columbia . . .	55	+12	.1	- .5	Memphis . . .	61	+ 9	.7	+ .5
Pueblo . . .	49	+ 8	T	- .1	Kansas City . . .	52	+10	T	- .6	Nashville . . .	56	+ 6	1.3	+ .2
CONN. Bridgeport . . .	43	+ 4	.9	+ .1	St. Louis . . .	55	+10	.4	- .3	TEX. Abilene . . .	65	+10	.1	- .1
Hartford . . .	43	+ 6	2.2	+1.3	Springfield . . .	56	+11	.6	- .1	Amarillo . . .	52	+ 6	T	- .2
D. C. Washington . . .	53	+ 7	1.6	+ .8	MONT. Billings . . .	38	+ 5	T	- .2	Austin . . .	67	+ 7	T	- .4
FLA. Apalachicola . . .	64	+ 3	1.4	+ .3	Glasgow . . .	33	+ 6	.3	+ .2	Beaumont . . .	65	+ 4	.7	+ .1
Daytona Beach . . .	68	+ 3	.8	0	Great Falls . . .	36	+ 5	T	- .2	Brownsville . . .	74	+ 6	T	- .1
Ft. Myers . . .	71	+ 2	T	- .7	Havre . . .	36	+ 8	.5	+ .4	Corpus Christi . . .	71	+ 5	T	- .2
Jacksonville . . .	64	+ 2	1.1	+ .3	Helena . . .	36	+ 5	.1	0	Del Rio . . .	70	+ 6	0	- .1
Key West . . .	77	+ 2	T	- .4	Kalispell . . .	31	0	.5	+ .3	El Paso . . .	60	+ 4	0	- .1
Lakeland . . .	70	+ 3	.7	- .2	Miles City . . .	37	+ 6	.3	+ .2	Fort Worth . . .	64	+ 8	.1	- .5
Miami . . .	73	+ 1	0	- .5	Missoula . . .	35	+ 1	.1	- .1	Galveston . . .	67	+ 5	.7	+ .1
Orlando . . .	69	+ 2	.1	- .7	NEBR. Grand Island . . .	44	+ 7	.2	- .1	Houston . . .	66	+ 4	1.3	+ .7
Tallahassee . . .	63	+ 2	3.4	+2.1	Lincoln . . .	45	+ 7	.2	- .1	Lubbock . . .	58	+ 8	0	- .2
Tampa . . .	68	+ 1	.1	- .8	Norfolk . . .	42	+ 8	.1	- .1	Midland . . .	62	+ 7	0	- .1
W. Palm Beach . . .	71	+ 1	.3	- .5	N. Platte . . .	42	+ 7	.2	0	San Angelo . . .	64	+ 6	0	- .2
GA. Atlanta . . .	57	+ 5	1.5	+ .2	Omaha . . .	47	+11	.1	- .3	San Antonio . . .	67	+ 5	.2	- .1
Augusta . . .	58	+ 2	1.1	0	Valentine . . .	41	+ 9	.2	0	Victoria . . .	71	+ 8	.3	- .1
Macon . . .	61	+ 4	2.8	+1.6	NEV. Ely . . .	36	+ 3	.2	0	Waco . . .	63	+ 5	.1	- .4
Savannah . . .	62	+ 3	1.3	+ .3	Las Vegas . . .	57	+ 1	0	- .1	Wichita Falls . . .	63	+10	.2	- .2
HAWAII. Hilo . . .	71	0	1.4	- 1.6	Reno . . .	40	- 1	.6	+ .5	UTAH. Blanding . . .	40	+ 1	T	- .2
Honolulu . . .	75	+ 2	T	- .8	Winnemucca . . .	42	+ 4	.1	0	Salt Lake City . . .	44	+ 4	1.5	+1.1
Kahului . . .	73	+ 1	.1	- .5	N. H. Concord . . .	38	+ 4	1.4	+ .8	VT. Burlington . . .	34	+ 3	1.2	+ .8
Lihue . . .	72	---	---	---	N. J. Atlantic City . . .	46	+ 4	.9	- .1	VA. Lynchburg . . .	50	+ 3	2.9	+2.1
IDAHO. Boise . . .	40	- 2	.9	+ .7	Trenton . . .	47	+ 5	1.8	+ .9	Norfolk . . .	53	+ 4	2.4	+1.6
Lewiston . . .	41	- 2	.3	+ .1	N. MEX. Albuquerque . . .	49	+ 2	0	- .1	Richmond . . .	53	+ 5	2.2	+1.4
Pocatello . . .	38	+ 2	.2	0	Roswell . . .	---	---	---	---	Roanoke . . .	50	+ 4	1.9	+1.1
ILL. Cairo . . .	56	+ 7	1.4	+ .3	N. Y. Albany . . .	38	+ 3	1.7	+1.1	WASH. Colville . . .	35	- 3	.2	0
Chicago . . .	49	+11	.3	- .4	Binghamton . . .	36	+ 3	.8	+ .2	Omak . . .	36	- 4	.6	+ .5
Moline . . .	46	+ 9	.7	+ .1	Buffalo . . .	39	+ 6	1.2	+ .6	Quillayute . . .	43	+ 1	3.2	+ .8
Peoria . . .	50	+11	.2	- .5	New York . . .	46	+ 4	1.1	+ .2	Seattle-Tacoma . . .	42	- 2	.9	+ .1
Rockford . . .	43	+ 7	1.1	+ .4	Rochester . . .	40	+ 6	1.2	+ .6	Spokane . . .	35	- 3	.9	+ .5
Springfield . . .	53	+12	.2	- .5	Syracuse . . .	39	+ 4	1.1	+ .4	Walla Walla . . .	45	- 1	.3	0
IND. Evansville . . .	54	+ 8	1.5	+ .4	N. C. Asheville . . .	52	+ 5	1.0	- .1	Yakima . . .	40	- 2	.3	+ .2
Ft. Wayne . . .	44	+ 6	.4	- .3	Charlotte . . .	56	+ 4	.9	- .1	W. Va. Beckley . . .	47	+ 6	2.1	+1.1
Indianapolis . . .	50	+ 9	.5	- .4	Greensboro . . .	52	+ 3	1.8	+1.0	Charleston . . .	50	+ 4	1.4	+ .5
South Bend . . .	46	+ 9	.3	- .4	Hatteras . . .	57	+ 6	.8	0	Huntington . . .	53	+ 7	1.0	0
IOWA. Burlington . . .	48	+10	.1	- .6	Raleigh . . .	53	+ 3	1.3	+ .5	Parkersburg . . .	51	+ 7	.9	0
Des Moines . . .	43	+ 8	.2	- .4	Wilmington . . .	58	+ 3	1.5	+ .6	WIS. Green Bay . . .	36	+ 6	1.9	+1.5
Dubuque . . .	38	+ 4	1.2	+ .5	N. DAK. Bismarck . . .	34	+ 7	.6	+ .4	La Crosse . . .	37	+ 4	.4	- .1
Sioux City . . .	42	+ 7	T	- .4	Fargo . . .	34	+ 8	.6	+ .4	Madison . . .	39	+ 7	1.7	+1.2
KANS. Concordia . . .	49	+ 9	.1	- .3	Williston . . .	33	+ 7	1.0	+ .9	Milwaukee . . .	39	+ 6	1.0	+ .4
Dodge City . . .	53	+11	T	- .3	OHIO. Akron-Canton . . .	48	+10	.5	- .2	WYO. Casper . . .	39	+ 7	.6	+ .4
Goodland . . .	46	+ 9	T	- .2	Cincinnati . . .	51	+ 8	2.1	+1.1	Cheyenne . . .	40	+ 8	.1	- .2
Topeka . . .	52	+10	T	- .5	Cleveland . . .	43	+ 6	.6	- .1	Lander . . .	39	+ 7	T	- .3
Wichita . . .	53	+ 8	.1	- .3	Columbus . . .	48	+ 7	.8	0	Sheridan . . .	37	+ 5	.1	- .2
KY. Lexington . . .	53	+ 8	1.9	+ .8	Dayton . . .	49	+ 9	.2	- .6	P. R. San Juan . . .	77	+ 1	T	- .4
Louisville . . .	54	+ 9	2.3	+1.1	Toledo . . .	41	+ 4	.1	- .5					

Based on 1941-70 Normals

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STATE SUMMARIES OF WEATHER AND AGRICULTURE

These summaries provide brief descriptions of crop and weather conditions important on a national scale. More detailed data are available in Weather and Crop Bulletins published each Monday by SRS State offices in cooperation with the National Weather Service.

ALABAMA: Rains early in week averaged 1.00 to 2.00 in. north and generally exceeded 2.00 in. south. Sunny weather with steadily warming temperatures followed into weekend. Highs afternoon of the 23d rose to near records. Birmingham's high was among the warmest at 85°. Thunderstorms the night and morning of 23d and 24th provided most areas with an additional 1.00 to 2.00 in. rain.

Rains prevented fieldwork most areas. Corn planted extreme south. Wheat jointing, small grains responding to fertilizer, being turned under for green manure, some aphid and disease reported. Sweetpotatoes bedded, tomatoes planted. Pastures greening, supplemental feeding continues, short hay supply. Livestock poor to fair with marketings lower.

ARIZONA: Temperatures near normal. Light precipitation in mountains, latter part of week.

Small grains, safflower seasonal progress. Sorghum preparation planting underway. Alfalfa hay full scale warmer areas. Sugarbeets good growth. Mixed vegetable harvest Salt River Valley, Yuma. Lettuce harvest at peak southwest. Cantaloupes good progress. Lettuce growth satisfactory Cochise, Pima Counties. Grapes budding central. Valencia oranges, Kinnow mandarins, limited grapefruit picking central. Lemon harvest completed Yuma. Cattle condition poor to good. Ranges fair, water adequate. Sheep, lambs fair, shipments active.

ARKANSAS: Temperatures warmed end of week and into weekend. Average temperatures 2 to 7° above normal. Extremes: 84 and 28°. Precipitation mostly beginning of week totaling 1.50 in. or more

Some land preparation in southern half of Delta, very little elsewhere because of surplus soil moisture. Small grains showing early growth, but water damaged in some localities. Very little fertilizer applied to small grains and pasture. Some fescue grazing but cattle mostly on full feed. Hay supplies short and low quality. Heavy tick and lice infestation on cattle.

CALIFORNIA: Precipitation north through week with heavy amounts and strong winds beginning and ending with over 6.00 in. north coast and northern Sierra Nevada. Precipitation extended southward to some southern areas on 21st with light amounts except none over most interior deserts. Average temperatures near or below normal. Lows mostly above freezing low valleys except low 30's at times north and central coastal mountain valleys.

Land preparation plantings hampered due heavy rains. Small grain growing well, fields treated with weed control. Sugarbeet, rice planting northern areas. Irrigation alfalfa fields central areas, green chopping alfalfa, oats, underway. Cotton, corn planting San Joaquin Valley. Safflower growing well. Normal field activities underway as weather permits. Deciduous fruits in various stages of bloom. Almond bloom about over. Walnuts starting to break dormancy. Citrus harvesting continues at seasonal levels. Asparagus slow Delta, Salinas, full swing south. Broccoli, cauliflower supplies good. Desert Valley carrot steady, celery volume good Oxnard. Lettuce increasing Palo Verde, decreasing Imperial, should begin Bakersfield, Santa Maria current week. Rain disrupting processing tomato planting.

Strawberry increasing south coast. Livestock generally good condition. Spring calving, lambing increasing north. Fall calves, lambs in foothill, valley areas doing well. Bee activity Central Valley slowed by cooler weather. Stock water supplies ample most areas.

COLORADO: Generally mild temperatures. Moderate to heavy snows mountains and scattered precipitation western valleys. Very limited moisture eastern plains. Temperatures averaged 5 to 10° above normal east, 5° above normal mountains and west. Highs Lamar on 20th 82°.

Fieldwork progress boosted from warm dry weather during week. Spring barley 4% planted compared 3% 1974 and 7% average. Oats 12% planted, 4% 1974, and 15% average. Sugarbeets 3% planted, 3% last year. Winter wheat and barley fair to poor condition, plains area extremely dry. Oats and spring barley fair to good. Moisture needed for growth. Livestock good condition. Range and pastures fair to poor with generally little moisture.

FLORIDA: Partly cloudy skies with near normal temperatures. Scattered showers and thundershowers preceded a cold front midweek. Heavy rainfall of 3.00 to 6.00 in. north and Panhandle, light to moderate south. Soil moisture excessive west, adequate north, short east coast and south. Planting of field crops active except wet areas. Wheat and oats heading. Sugarcane harvest nearing completion. Young cane continues in excellent condition. Grazing conditions are showing slight improvements west and north central areas as soil moisture improves. Pastures in south are in mostly poor condition as soil moisture continues in short supply. Cattle and calves are in fair condition. Citrus tree condition continues excellent, rain needed. High winds evaporating surface moisture. Open bloom everywhere. Early mid orange harvest near completion. Scattered showers most vegetable areas except extreme south. Rainfall helpful but more needed, irrigation active. Vegetables moving in heavy volume are cabbage, tomatoes, celery, peppers, potatoes and sweet corn. Cabbage declining but continues as volume leader. Increases in tomatoes, cukes, eggplant, lettuce, potatoes and corn. Other crops mostly steady volume.

GEORGIA: Heavy rains throughout during week, 4.00 in. southwest, elsewhere 1.00 to 3.00 in. Temperatures 2 to 4° below normal. Rain over State on 23d.

Soil moisture adequate to excessive. Land preparation restricted due to wet weather. Tobacco transplanting underway. Condition tobacco plants good. Small grain condition fair to good. Pastures poor to mostly good. Condition of cattle fair.

HAWAII: Weather continued variable. Partly cloudy skies with some light showers mainly in higher elevations.

Most Lee sections dry. Vegetable supplies light. Banana supplies adequate. Papaya supplies light. Pastures in good condition. Pineapple harvesting light. Sugar harvesting approaching full swing.

IDAHO: Precipitation over State with amounts generally above normal. Heaviest 1.19 in. at Fairfield. Temperatures near to 40° below normal. Maxima 50's and low 60's, minima mostly 20's.

Fieldwork restricted in all areas. Supplemental feeding continues, but cattle are moving onto pastures and ranges in some areas as they green up.

ILLINOIS: Temperatures 5 to 13° above normal. Warm entire week. Precipitation under 0.25 to 1.50 in. Heavy rains 20th and 23d northern third, 23d south.

Winter wheat, other small grains, legumes good condition. Some discoloration winter wheat due to excessive moisture. Recent warm dry weather improved condition. Livestock good condition, some cattle poor condition due lack of supplemental feeding, and muddy feedlots. Fertilizer materials, pesticides, generally adequate. Soil moisture short 1%, adequate 66%, surplus 33%. Main activities: Farm chores, machinery repair, some plowing, and fertilizer application central.

INDIANA: Mild, dry week. Temperatures averaged in 50's and 10° above normal. Precipitation averaged 0.50 in. north and central, 1.50 in. south. Sunshine 70% of possible north and central, 50% south.

First extended spring-like weather brought on surge of field activities and rapid greening up. Much of week suitable for fieldwork north. Still too wet south. Considerable plowing, soil preparation, and oat seeding accomplished. Other activities centered on readying supplies and equipment for 1975 season.

IOWA: Temperatures 4 to 5° above normal north-east, 7 to 11° above normal west and south. Most snow cover melted by weekend. Rise in rivers, localized flooding extreme north, northeast. Precipitation below normal, moderately heavy extreme northwest and some areas east central from showers and thunderstorms 22d, 23d. Snow western sections 24th. Strong, gusty winds and colder temperatures 24th.

KANSAS: Temperatures averaged 10 to 14° above normal. High's 80's southwest. Precipitation very light except extreme southeast where 0.50 to 0.75 in. rain fell. Some counties southwest had 0.25 in. rain.

Wheat greening with some growth. Ground cover still inadequate many western areas. Light wind damage some counties. Oat and spring barley seeding behind normal. Oats 5% seeded, 55% 1974, 40% average. Spring barley 10% seeded, 40% 1974, 25% average. Some new growth alfalfa south. Field tillage active west, but delayed by wet fields most eastern counties. Livestock favored by mild weather. Feed supplies tight. Few cattle on wheat.

KENTUCKY: Temperatures averaged 50 to 55°, generally about 5° above normal. Showers fell at midweek and at end of week. Rainfall totals variable, 0.50 to 1.50 in.

High water of previous week subsided but wet ground limited fieldwork. Farm activities consisted mostly of livestock chores and inside jobs. Pasture and small grain growth accelerated with warmer temperatures but heavy grazing caused damage to soft, wet pastures.

LOUISIANA: Temperatures 3 to 5° above normal. Cool fronts early and again late in week, midweek mild to warm. Extremes: 84° New Orleans

22d and 27° Ashland 19th. Precipitation totals ranged from less than 0.50 in. to more than 2.50 in. Greatest 1-day rain, 2.52 in. on 18th.

Rains and wet soils restricted activities to routine chores and machinery repair. Soil moisture surplus all areas, except adequate southwest. Days favorable for fieldwork averaged 1.9. Rice farmers water leveling fields and air seeding, 10% seeded, same as 1974 and slightly ahead of normal, 9%. Water mold in early planted fields. Sugarcane stands average, cool weather retarded growth. Rains interrupted cultivation and herbicide application. Corn planting 5 to 10% complete compared with 20% in 1974. Vegetable plantings delayed by rains. Strawberry volume increased, quality good and improving. Small grains mostly fair. Pasture feed mostly average or above. Cattle mostly fair, last year this date, 55% fair and 45% good.

MARYLAND AND DELAWARE: Temperatures near normal or slightly above. Highs 40's Garrett County, mid-50's to low 70's elsewhere. Lows, low 20's to low 30's. Precipitation all areas 0.70 to 3.80 in., heaviest Delaware and Eastern Shore of Maryland.

Fieldwork slow, too much rain. Winter grain good to excellent north central Maryland, fair to good elsewhere. Little nitrogen top dressing done on heavy soils, up to 75% done lighter soils. Spraying for garlic delayed. Tobacco bed seeding behind schedule. Orchard pruning ahead usual pace. No significant peach bud damage to date.

MICHIGAN: Temperatures averaged from 5 to 8° above normal. Warmest was at beginning of week. Precipitation varied from 0.30 in. east central south and extreme north to over 1.00 in. central and western Lower Peninsula. Precipitation was light over Upper Peninsula, averaging around 0.30 in., mostly snow.

Little fieldwork done. Some farmers making maple sirup.

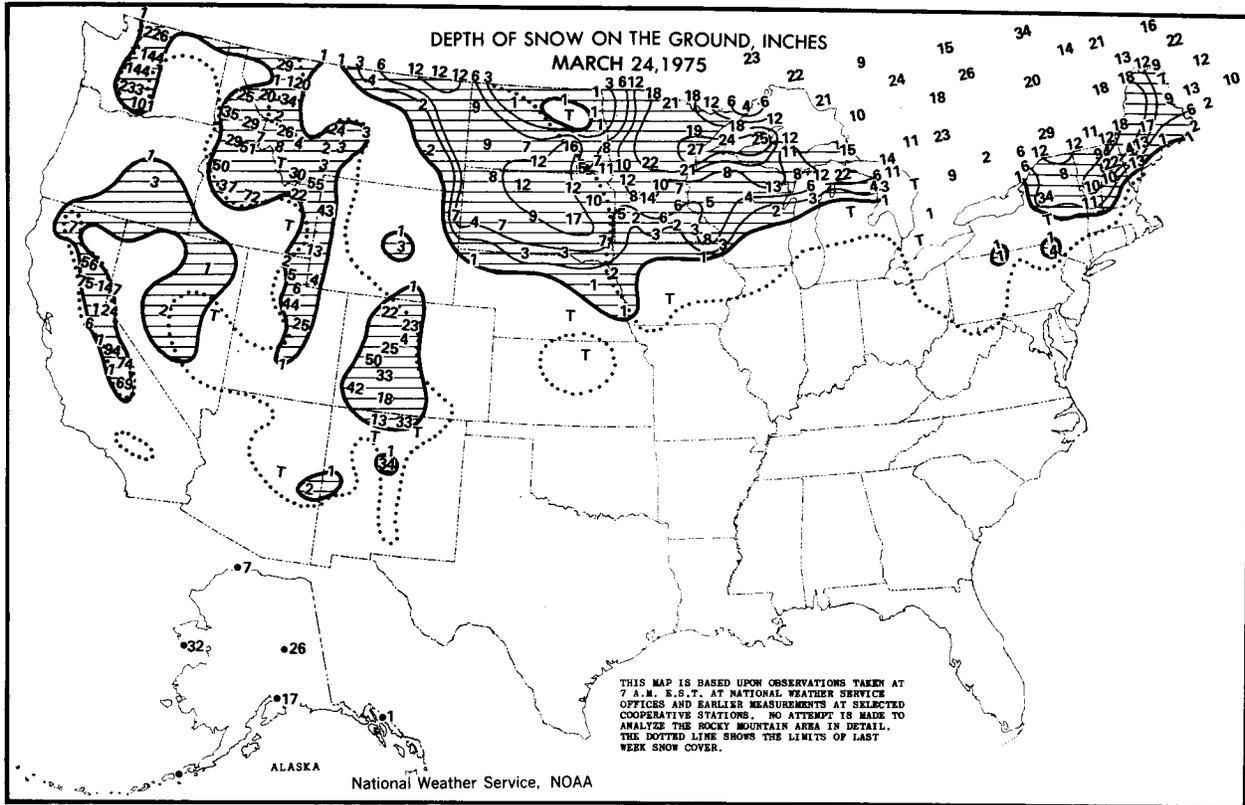
MINNESOTA: Temperatures averaged 8° above normal northwest half and 4 to 6° above normal southeast half. Extremes: Highs in 40's and 50's late in week with upper 60's extreme southwest. Precipitation averaged 0.25 to 0.50 in. above normal southwest and west central with amounts 0.60 to 0.80 in., about normal north and east. Snow on ground at week's end: 15 to 25 in. northeast; 1 to 7 in. south half. Major late winter storm began on 23d with rain and snow southeast, snow and blizzard conditions spreading over all of State the 24th.

Winter livestock feeding continued, but farmyards getting muddy. Near spring-like weather allowed some seed cleaning and readying of machinery for fieldwork.

MISSISSIPPI: Most of rain on 16th and 18th. Temperatures averaged 4° subnormal. Extremes: 80 and 25°. Greatest 24-hour rainfall was 4.98 in. northwest of Ocean Springs on 18th.

Soil moisture mostly surplus to excessive. Fieldwork: 1.0 day suitable. Plowing 21% complete, 50% 1974, normal 35%. Irish potatoes 51% planted, 73% 1974. Wheat 26% jointing, 45% 1974, normal 31%. Oats 18% jointing, 50% 1974, normal 30%. Condition of wheat and oats fair to good. Condition of pastures and livestock poor to fair. Condition of Irish potatoes, peaches, and truck crops mostly fair.

MISSOURI: Temperatures ranged from near normal in the Bootheel to 8° above normal in north prairie



areas. Precipitation averaged 1.00 in. over the Ozarks and the Bootheel with negligible amounts elsewhere.

MONTANA: Mild and dry turning showery with colder temperatures east. Temperatures normal west to 8° above normal north central. Maximum temperatures mostly 40's and 50's. Precipitation below normal south central and central to above normal elsewhere. More than 0.50 in. precipitation fell in all but central and east.

Winter wheat mostly dormant. Limited field-work south central. Calving and lambing making good progress. Losses near normal. Most livestock on supplemental feed.

NEBRASKA: Temperatures 5 to 30° above normal except last day when averaged 1 to 10° below. Precipitation late in week amounted less than 0.25 in.

Strong winds created much dust blowing during weekend. Much additional moisture needed in west. Wheat remains mostly poor condition west and fair to good east. Wheat beginning to green. Fields prepared for sugarbeet planting in Panhandle. Machinery readied for work in east. Some early calving underway.

NEVADA: Major system swept southeast preceded by high winds and followed by precipitation. During week 0.61 in. new snow fell Conner Summit, 0.38 Alpine Meadows, 0.28 Incline Village and 0.26 in. Truckee. Temperatures averaged near normal with maximum 79° both Logandale and Las Vegas and minimum -2° Ely.

Seedbed preparation hampered by wet fields. Winter planted grains greening slowly. Calving and lambing gaining momentum. Livestock mostly good condition.

NEW ENGLAND: Fair weather 17th and 18th changed to rain at midweek and snow flurries in Vermont and northern New Hampshire by 20th. Rainfall many places totaled 1.00 to 2.00 in., clearing on 21st, sleet and freezing rain on the 22d. Temperatures well above normal until midweek, then dropped to near seasonal normals with strong winds on 21st.

NEW JERSEY: Temperatures averaged 42° north, 46° south and 45° coastal, slightly warmer than normal. Extremes: 19° at Belvidere and 68° at Bridgeton. Rainfall heavy inland from coast averaging 2.55 in. north, 1.74 in. south and 0.64 in. coastal. Some heavier 24-hour totals: 2.80 in. at Glassboro and 2.76 in. at Charlottsburg.

Soil moisture remains close to saturation throughout.

NEW MEXICO: Storm 22d and 23d brought strong winds statewide and light precipitation northern and western mountains. Otherwise generally fair and dry weather with mild daytime temperatures and cool nights. Temperatures averaged near or slightly above normal central and west, 4 to 8° warmer than normal eastern plains.

Moisture mostly adequate. Topsoil drying due to windy weather. Small grains, alfalfa fair to good. Vegetables good Mesilla Valley with average stands. Apricots in full bloom north. Livestock, range fair to good. Calving, lambing 60% done, shearing 50%. Ranges greening.

NEW YORK: Temperatures 3 to 4° above normal ranging from 57° at Glens Falls and Poughkeepsie to 10° at Saranac Lake. Precipitation above normal. Heaviest occurred in Hudson Valley where more than 1.50 in. fell. Dry and moderating temperatures as week began with readings in excess

of 50° afternoon of 18th. Midweek wet as storm system moved through. Heaviest rain fell over southeast late the 19th and early the 20th causing many small streams to overflow. Tannersville reported 3.70 in. Precipitation, mainly light rain fell again the 22d. Seasonable with brisk westerly winds on 23d. Significant amount of snow remains on ground in the Adirondacks with more than 2 ft. at some locations. Valley areas are generally clear of snow.

NORTH CAROLINA: Temperatures below normal early week, 5 to 10° above normal by late week. Heavy rains through midweek caused some flooding, precipitation averaged 1.00 to 3.00 in.

Fieldwork: 0.6 day suitable. Soil moisture 9% adequate, 91% surplus. Small grain condition fairly stable, 3% poor, 35% fair, 60% good, 2% excellent. Flue-cured tobacco plant beds fair to good condition, some Burley beds yet to be sown. Spring Irish potatoes 64% planted, condition fair to good. Hay and feed grain supplies mostly adequate. Labor supplies in excess of demands.

NORTH DAKOTA: Temperatures above normal, ranging from 13° above normal northwest and south central to 10° above normal elsewhere. Precipitation above normal northwest and north central, slightly above northeast and dry southern two-thirds. Extremes: 61° Lemmon and Ft. Yates to 2° at Bottineau. Most precipitation at Bottineau with 0.62 in. on 20th. Snow depths ranged from zero at Sherwood, trace at Devils Lake and Sawyer to 20 in. at Jamestown. Weekend brought blizzard conditions. Precipitation amounts 2.05 in. at Jamestown, 1.05 in. Fargo, 0.90 in. Williston, 0.85 in. Lemmon, 0.79 in. Dickinson and 0.88 in. at Wahpeton.

Spring-like temperatures until weekend blizzard. Small amount of tillage early in week was halted by heavy snowfall accompanied by high winds. Much drifting in shelter belts and roads, but only minimal amount remained on fields, particularly on summer fallowed land. Precipitation will help to fill stock ponds and dams. Livestock losses not severe due to short duration of storm and fairly moderate temperatures. New born calf losses expected to be light.

OHIO: Fair to partly cloudy on 17th and 18th. Rain across State on night of 18th through 19th. Clearing on 20th, increasing cloudiness on 21st with shower and a few thundershowers on 22d. Showers and thundershowers moved night of 23d. Temperatures above normal. High 78° south on 21st and low of 24° northwest on 17th. Precipitation 4 days, weekly amounts ranged 2.14 in. south to 0.18 in. northwest.

Wheat starting to grow with warmer weather. Plowing started few dry fields.

OKLAHOMA: Temperatures averaged from 1° above normal southeast to 7° above normal southwest. Rainfall averaged from about 0.10 in. Panhandle to 1.20 in. east central. Weekend was mild with few scattered very light showers.

Rain early week, warmer weather stimulated wheat growth, some initial jointing. Spraying greenbug infestations. Fields extremely wet, adequate to excessive moisture except Panhandle. Some top-dressing where fields drier. Spring oats, barley planting near completion, development about 1 week behind last year. Vegetable planting, corn seed-bed preparation where dry. Range condition worsening. Supplemental cattle feeding and heavy marketings.

OREGON: Precipitation ranged from 2.00 to 6.00 in. west of the Cascades, 0.10 to 0.40 in. east. Temperatures averaged 1 to 3° below normal except Klamath Falls and Grants Pass areas, 5 to 7° below normal, and Pendleton area, 3° above normal. Maximum temperatures in 40's and 50's, minimum temperatures ranged in 20's and 30's.

Poor weather conditions slowing spring farm activities. Fall seeded grain showing fair to good stands. Plowing continues. Fertilizing grass seed fields, meadow pasture, hay fields. Pruning orchards. Many growers not planting green peas for current contract offerings. Potato movement continues to be slow, seed potatoes moving. Onion prices highest of season. Livestock in good condition, feed supply adequate. Some areas may have hay carryover. Spring calving and lambing continues.

PENNSYLVANIA: Mild and wet. Temperatures averaged 2 to 6° above normal for mildest week since early November and 9° warmer than previous week. Extremes: 20 and 70°. Typical springtime weather ranging from wind, showers and rain on several days to mild and sunny remainder of period. Rainfall totaled 1.00 to 2.00 in. most places with up to 2.50 in. southeast, where over 2.00 in. fell on 19th. Except for few isolated spots in northern mountains, remaining snow cover melted during week.

Farmers doing routine winter chores and preparing machinery for spring fieldwork.

PUERTO RICO: A very dry week islandwide. Average rainfall 0.09 in. Highest weekly total 0.60 in. at Rio Piedras. Highest 24-hour total 0.50 in. at Rio Piedras. Temperatures averaged 75° on coasts and 69° interior. Extremes: 92 and 48°.

SOUTH CAROLINA: Warmer than normal ranging from near normal early to several degrees above normal end of period. Weather changed from generally cloudy to relatively sunny near weekend. Rainfall was greater than normal in east, and south central, about normal elsewhere. Excessive rains beginning of period caused heavy flooding on most rivers.

Frequent heavy rains have curtailed most farm activity. Transplanting tomatoes, cucumbers, snap beans, squash in Beaufort-Charleston area. Setting few tobacco plants in Pee Dee area where soil moisture not excessive. Setting has been delayed due to frequent, heavy rains. Fruit tree pruning generally complete. Orchardists spraying and waiting to see results of earlier cold snap. Most fields too wet for land preparation.

SOUTH DAKOTA: Temperatures averaged 4 to 12° above normal. Weekend storm produced moisture amounts in excess of 1.00 in. northeast and from 0.33 to 1.00 in. south. Extremes: 75° Mission 20th, 16° Rapid City 24th.

Livestock in fair condition, some problems with vitamin A deficiency. Many farmers hauling water to livestock. Main farm activities are preparing for spring fieldwork, seed cleaning, and fertilizer spreading. Weekend moisture was badly needed throughout the State.

TENNESSEE: Considerable cloudiness and intermittent precipitation. Temperatures averaged in mid and upper 50's except low 60's southwest, 3 to 10° above the seasonal normal. Precipitation averaged 1.00 to 1.25 in. evenly distributed over the State, about normal.

Floods, wet fields, and rains further delay fieldwork. Land preparation 3 weeks behind.

Several weeks before plowing resumes west and central areas. Tobacco 40% seeded, or which much damaged and washed away, last year 70%, normal 67%. Cattle in poor condition. Shortage of hay and roughage.

TEXAS: Cold front triggered thunderstorm activity. Weekend, second front scattered showers east, south. Temperatures 5 to 10° above normal; 103° Lower Valley on 23th. Rainfall above normal southeast, upper coast; below normal elsewhere.

Wheat, oats satisfactory progress. Planting cotton, corn, rice, soybeans excellent progress Blacklands to south; early stands satisfactory growth. Seedbed preparation rapid pace. Pre-plant irrigation High Plains where seeding will be underway soon. Major crops Percent Planted: Cotton 1975 7, 1974 6, 3 year average 6; sorghum 1975 27, 1974 27, average 17; rice 25, 1974 27, average 20; peanuts 5, 1974 -, average 1; corn 1975 38, 1974 34, average 28; sugarbeets 1975 20, 1974 57, average 30. Lower Rio Grande Valley: Cabbage, carrots started seasonal decline, onion supplies increasing, lettuce harvest final stages. Watermelons, canteloups, honeydews, green peppers, tomatoes requiring heavy irrigation. Coastal Bend: Watermelon crop making good progress, most melons in vining stage. Dry land crop beginning to show some stress from lack of rainfall. Cucumbers beginning to run. Laredo: Onions making fair to good progress. San Antonio-Winter Garden: Potatoes making satisfactory progress. Most watermelons planted, but majority not emerged. Carrots being harvested. Central: Many fields too wet still. Tomato plants being field set. Watermelon planting continues where fields permit. Trans-Pecos: Onion sets being planted Pecos County. High Plains: Onion setting, potato planting continues. Peach trees continue to bloom central, north, east. Damage from freeze ranges from none to severe in some areas. Pecans budding, leafing south, south-central, central. Most trees in north dormant. Citrus harvest rapidly approaching completion. Irrigation underway in most orchards. Movement livestock off wheat, oat fields complete; good gains where fields grazed out. Condition improving but malnutrition losses continue. Native pastures new growth but short moisture limiting response; grazing short many areas. Goat shearing early stages. Excellent lamb crops most areas. First screwworm case in south.

UTAH: Rain and snow during week. Accumulated amounts of moisture generally moderate to heavy, but locally little or none some desert areas. Average temperatures quite variable ranging from 3° below normal to 4° above. Soil temperatures at 4 in. germinating depth ranged from low 40's Cache Valley, Salt Lake City and Richfield to low 50's in St. George.

Spring plowing and other fieldwork brought to a halt by the snow late in week. Some shearing delayed on western ranges. Calving underway. Marketing of potatoes and apples from storage complete.

VIRGINIA: Temperatures 1° below normal. Extremes: 20 and 73°. Heavy precipitation averaging 2.75 in.. Greatest amounts east.

Fieldwork: 2 days suitable. Topsoil moisture 98% surplus, 2% adequate. Farmers 10 days to 2 weeks behind normal. Small grain fertilizer, herbicide applications incomplete. Corn planting southeast to start later than planned. Fruit prospects good. Some apples, peaches blooming east and south. Pasture, small grains in generally good condition. Tobacco plant beds hurting from excess moisture. Potatoes already planted may start rotting. Floods damaged farm roads, fences, and buildings. Livestock fair to good condition except for weight loss caused by feed shortage. Pastures growing, should supplement feed supply.

WASHINGTON: West: Average temperatures subnormal. Extremes: 40's, 30's. Precipitation much above normal. Total amounts from 0.40 in. to over 4.00 in.

Farmers delayed planting and field preparation activities because of weather. Raspberry top-ping, sorting and shipping certified strawberries. Harvesting forced rhubarb. Fertilizing pastures, seed crops. Pasture growth slow. Alfalfa hay coming in from east of mountains, but most cattlemen have adequate supplies. East: Average subnormal 2 to 4°. Extremes: 50's, 20's. Precipitation several days. Some snow showers. Total precipitation amounts from 0.20 to over 1.00 in.

Pruning fruit trees, grapes, installing permanent sprinkler systems, spraying for pear psylla. Planting hops, trellis installation and repair. Planting mint, sugarbeets, potatoes, spring wheat, alfalfa, and green peas. Preparing asparagus beds for harvest. Snow mold on some wheat fields. Rains improved wheat, barley stands but reseeding expected on thin spots. Other activities: Fertilizing, spraying, plowing, discing. Pastures greening slowly. Calf losses increasing.

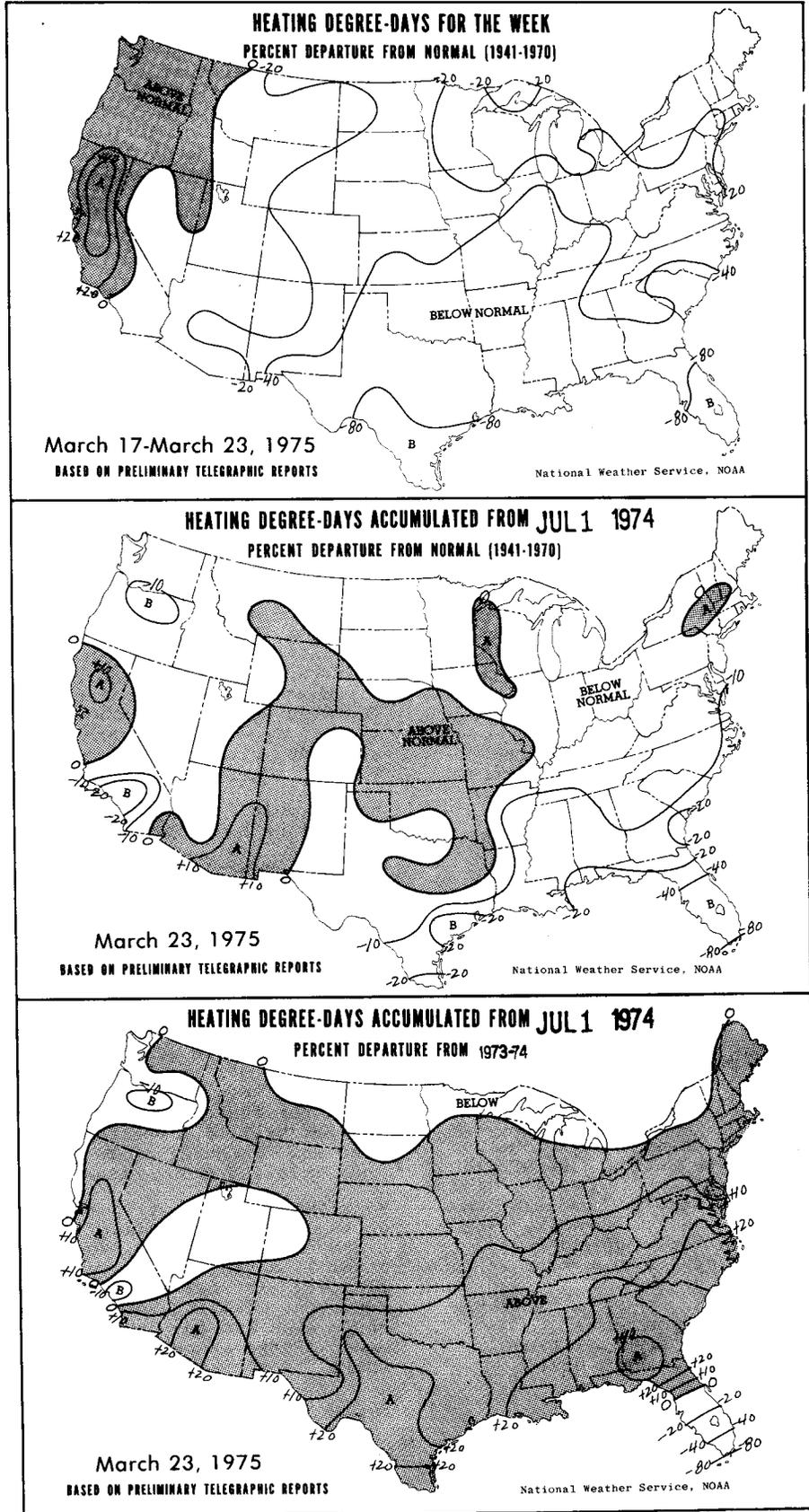
WEST VIRGINIA: Temperatures above normal. Precipitation well above normal and occurred throughout week.

Soil moisture mostly surplus, delaying spring work. Farm activities limited to routine chores.

WISCONSIN: Mild weather prevailed until 23d. Temperatures averaged 5 to 10° above normal with highs in 40's and low 50's before dropping to 30's on 23d. Showers and thunderstorms on 20th and 21st produced heavy rainfall southeast with local amounts over 3.00 in. in Dodge and Waukesha Counties. Snowstorm on 23d central and northern areas, amounts up to 1 ft. extreme north with blowing and drifting. South had mixture of snow, sleet, and rain, but generally lighter amounts southeast. Total precipitation ranged from near 2.00 in. to over 4.00 in. Flooding of local rivers on 21st from snow melt and heavy rains.

WYOMING: Precipitation scattered. Temperatures above seasonal normals.

Seedbed preparation, spring planting just started. About 1% spring wheat, sugarbeets, and barley planted. Topsoil and subsoil moisture short to adequate. Calving about 30% done. One-fifth range ewes lambed; farm flock lambing one-third done. Range sheep about 10% shorn; farm sheep 25% shorn. Pastures, ranges in fair condition.



Heating Degree Days (Base 65°) For Week Ending Mar. 23, 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 . . .	51	-31	2324	-311	379	Portland	198	-24	5798	-312	202	Tulsa	41	-71	3428	57	336
Mobile	13	-32	1270	-336	327	MD. Baltimore	107	-40	3701	-434	43	OREG. Astoria	143	-1	3658	-313	-523
Montgomery	31	-31	1799	-331	312	MASS. Boston	157	-23	4471	-229	153	Burns	225	26	5567	-204	18
ARIZ. Flagstaff	201	-11	5653	-74	396	MICH. Alpena	221	-41	6497	-397	43	Medford	162	24	3780	-213	167
Phoenix	25	-13	1380	-78	292	Detroit	159	-40	5451	25	277	Pendleton	143	-2	3609	-766	-383
Tucson	42	-6	1870	284	290	Flint	172	-45	5564	-313	106	Portland	142	9	3352	-473	-217
Winslow	128	-8	4467	359	310	Grand Rapids	185	-29	5982	266	481	Salem	143	6	3315	-305	-360
Yuma	17	-2	1019	54	115	Houghton Lake	217	-40	6591	-290	60	PA. Allentown	140	-39	4729	-254	316
ARK. Fort Smith	41	-59	3225	128	429	Lansing	170	-45	5730	-77	108	Erie	185	-31	5378	-232	368
Little Rock	46	-52	2751	-353	349	Marquette	205	-50	6357	-348	-211	Harrisburg	130	-28	4518	-51	504
CALIF. Bakersfield . . .	68	12	1854	-111	212	Muskegon	172	-45	5560	-138	-11	Philadelphia	116	-36	3864	-359	41
Eureka	125	7	3429	19	-58	S. Ste. Marie	240	-37	7321	-84	-65	Pittsburgh	136	-42	4725	-356	350
Fresno	104	30	2412	79	237	MINN. Duluth	236	-42	8112	113	-3	Scranton	145	-48	4872	-474	-323
Los Angeles	55	-4	996	-377	-122	Internatl Falls	240	-57	8458	-354	-183	R. I. Providence	163	-26	4748	-205	252
Red Bluff	123	43	2580	264	202	Minneapolis	214	-33	6902	-188	169	S. C. Charleston	32	-30	1749	-269	511
San Diego	40	-9	1052	-130	129	Rochester	214	-35	7053	60	254	Columbia	40	-35	2125	-313	679
San Francisco	99	15	2422	90	-4	St. Cloud	223	-38	7632	98	215	Greenville	43	-52	2855	-48	418
Stockton	128	45	2584	159	371	MISS. Jackson	26	-38	1870	-293	289	S. DAK. Aberdeen	177	-75	6781	-564	-571
COLO. Denver	129	-62	4983	24	63	Meridian	34	-30	1938	-307	518	Huron	179	-61	6654	-240	97
Grand Junction	150	-10	4960	74	-316	MO. Columbia	75	-82	4750	266	465	Rapid City	168	-63	6024	3	250
Pueblo	112	-58	4595	-47	121	Kansas City	86	-74	4807	237	381	Sioux Falls	175	-59	6609	-104	220
CONN. Bridgeport	153	-29	4303	-225	255	St. Louis	74	-71	4428	202	316	TENN. Chattanooga	81	-21	3284	89	735
Hartford	153	-43	5134	-248	292	Springfield	64	-78	4138	80	537	Knoxville	71	-31	3050	-114	506
DEL. Wilmington	123	-31	4010	-265	286	MONT. Billings	185	-37	6038	79	405	Memphis	27	-69	2602	-385	319
D.C. Washington	83	-48	3283	-465	342	Glasgow	223	-46	6779	-758	-437	Nashville	62	-49	3057	-316	427
FLA. Apalachicola	12	-22	966	-336	222	Great Falls	205	-33	6193	-34	89	TEX. Abilene	13	-61	2492	65	454
Daytona Beach	2	-21	535	-327	44	Havre	204	-57	6672	-713	-195	Amarillo	67	-63	3683	8	379
Ft. Myers	0	-7	146	-306	-87	Helena	199	-37	6691	12	256	Austin	10	-35	1522	-132	246
Jacksonville	18	-17	1092	-183	240	Kalispell	236	-1	6740	-191	389	Brownsville	0	-18	503	-136	59
Key West	0	0	7	55	-34	Miles City	193	-43	6240	-414	87	Corpus Christi	2	-24	790	-123	139
Lakeland	2	-12	366	-292	-7	Missoula	206	-11	6126	-348	78	Del Rio	0	-32	1351	-129	294
Miami	0	0	59	-147	-72	NEBR. Grand Island	160	-39	5837	301	312	El Paso	34	-33	2519	8	151
Orlando	1	-14	378	-305	-22	Lincoln	136	-55	5768	345	228	Fort Worth	22	-48	2085	-146	240
Tallahassee	21	-16	1443	-57	445	Norfolk	162	-53	6016	-4	269	Galveston	2	-37	836	-337	113
Tampa	5	-11	386	-310	-20	North Platte	159	-50	5936	230	97	Houston	13	-26	1106	-274	18
W. Palm Beach	0	-2	107	-192	-65	Omaha	127	-59	5607	299	260	Lubbock	44	-65	3167	56	555
GA. Atlanta	57	-36	2601	-236	530	Valentine	166	-64	6013	-132	178	Midland	26	-47	2235	-222	205
Augusta	46	-26	2414	30	636	NEV. Ely	223	2	6018	-138	-36	Beaumont	19	-22	1264	-186	171
Macon	37	-24	1903	-211	472	Las Vegas	54	-13	2251	-149	-76	San Angelo	14	-46	2092	21	442
Savannah	19	-33	1429	-414	267	Reno	171	0	4899	79	353	San Antonio	10	-29	1453	53	254
IDAHO. Boise	174	11	4555	-278	159	Winnemucca	157	-32	5189	-133	441	Victoria	1	-31	898	-288	104
Lewiston	167	16	4218	-330	-102	N. H. Concord	191	-27	6378	241	323	Waco	26	-33	2038	86	431
Pocatello	186	-16	5749	-37	106	N. J. Atlantic City	133	-26	4064	-182	346	Wichita Falls	21	-65	2633	68	387
ILL. Cairo	60	-56	3456	-56	339	Trenton	126	-32	3977	-293	123	UTAH. Salt Lake C	145	-27	4687	-320	-91
Chicago	113	-74	5172	-82	177	N. MEX. Albuquerque	113	-15	4108	284	232	VT. Burlington	217	-23	6239	-339	-116
Moline	137	-57	5549	-15	221	Roswell	66	-38	3261	-133	442	VA. Lynchburg	106	-22	3764	1	541
Peoria	106	-78	5295	-10	260	N. Y. Albany	187	-23	5894	47	167	Norfolk	85	-28	2744	-357	362
Rockford	155	-50	5836	-38	318	Binghamton	202	-24	6080	30	554	Richmond	82	-38	3485	50	570
Springfield	81	-89	4765	-122	265	Buffalo	181	-40	5295	-420	-87	Roanoke	106	-24	3742	54	612
IND. Evansville	75	-64	3940	-194	479	New York	133	-28	3957	-245	169	WASH. Quillayute	167	6	4263	-203	-489
Fort Wayne	149	-41	5248	-61	261	Rochester	177	-37	5408	-196	203	Seattle-Tacoma	157	12	3833	-225	11
Indianapolis	103	-64	4783	-73	592	Syracuse	185	-28	5463	-122	26	Spokane	208	20	5726	128	281
South Bend	133	-65	4974	-503	269	N. C. Asheville	90	-36	3495	-225	553	Walla Walla	137	6	3805	-299	-33
IOWA. Burlington	119	-67	5370	9	297	Hatteras	54	-44	2020	-381	387	Yakima	173	15	4705	-340	-46
Des Moines	151	-57	5667	-162	310	Charlotte	58	-40	2943	-8	483	W. VA. Beckley	127	-38	4629	-151	699
Dubuque	185	-34	6346	108	340	Greensboro	89	-26	3208	-247	221	Charleston	104	-32	4196	147	818
Sioux City	157	-55	6093	46	518	Raleigh	85	-20	3168	-19	702	Huntington	86	-51	3945	-127	608
KANS. Concordia	109	-65	4925	26	155	Wilmington	45	-29	2033	-231	518	Parkersburg	96	-50	4205	-22	562
Dodge City	82	-79	4371	-37	154	N. Dak. Bismarck	214	-53	7575	-79	-336	WIS. Green Bay	204	-39	6739	-48	312
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