

Weekly Weather & Crop Bulletin

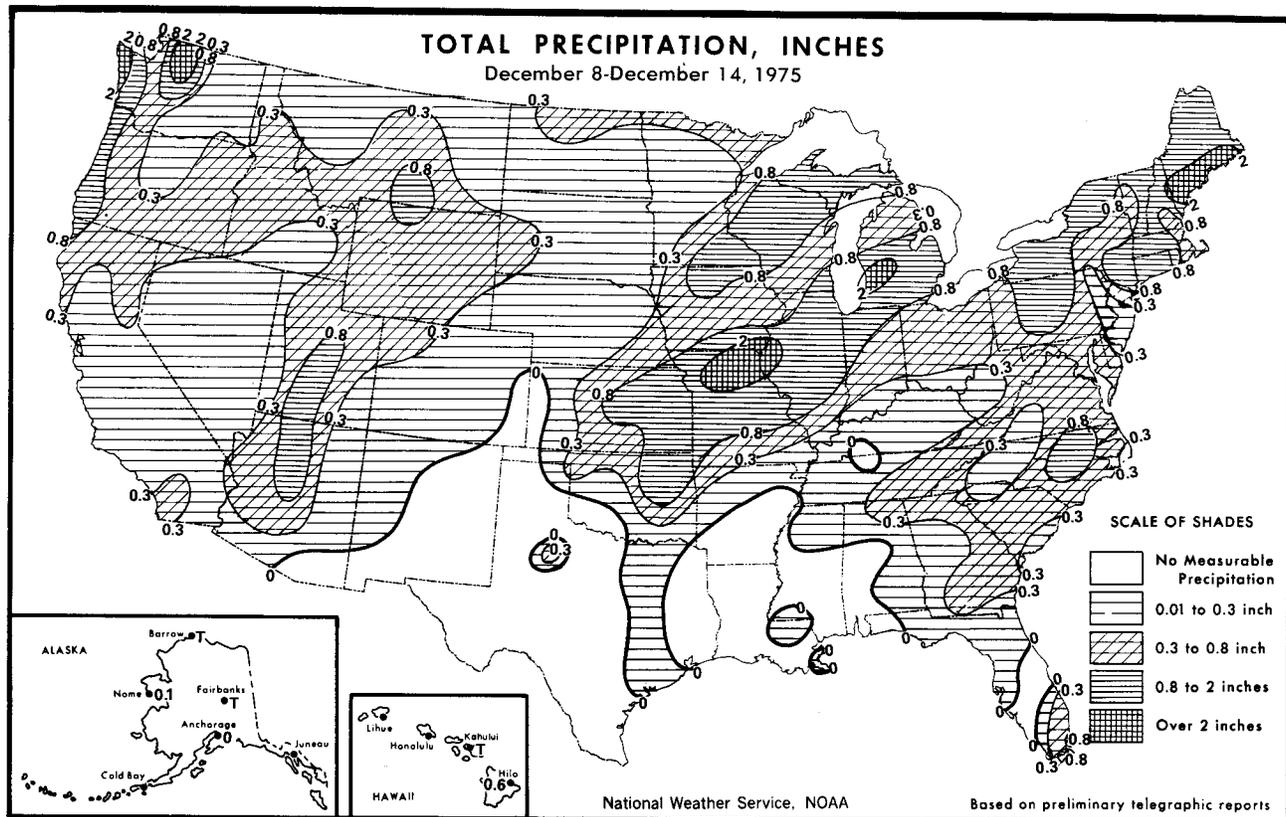
U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

Volume 62, No. 50

WASHINGTON, D.C.

Dec. 16, 1975



NATIONAL WEATHER SUMMARY

For the Week of December 8-14

HIGHLIGHTS: A series of disturbances moving across the Nation triggered a variety of precipitation during the week. A winter storm that developed in western U.S. spread snow from the Pacific Northwest into the high central Plains. Unseasonably warm weather and thunderstorms--at times severe--dominated the middle Mississippi and Ohio Valleys.

Monday turned out to be a typical December day in the Midwest as a frontal system spread snow across parts of Iowa, Illinois, Wisconsin, and northern Missouri. Soon a light snow blanketed these areas and by evening spread into parts of Indiana and Michigan as well.

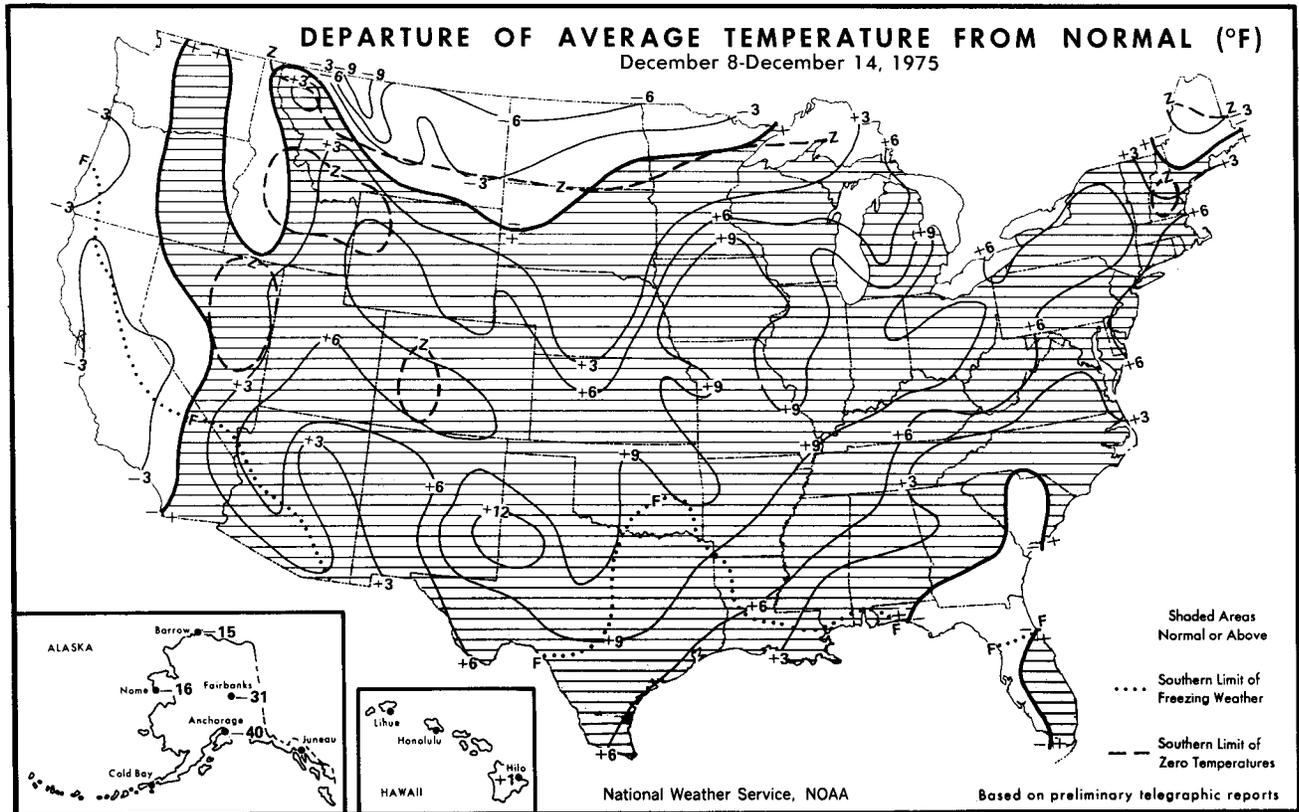
When a low pressure center formed on the front in the Southeast, precipitation in a variety of forms encompassed an area from the Carolinas and Georgia into the Gulf and along the coast into

Maryland and Delaware. Limited precipitation during the day included showers and a few thunder-showers in parts of Florida and light rain and drizzle from the middle Atlantic States northward through New Jersey.

Near normal temperatures around most of the Nation leveled off in the 20's and 30's in the North and in the 60's and 70's in the South with a few readings in the teens in northern Minnesota and some 80's in extreme southern California.

Most of the Nation's wet weather stayed east of the Mississippi River on Tuesday, held in place by the low pressure center over southeast Ohio and accompanying frontal systems. Despite steady snowfall from Wisconsin and Michigan into the lower Great Lakes and Ohio Valley, average snow depths measured only 1 to 2 inches.

At midday showers and thundershowers streamed into areas from Florida into the Carolinas.



Light rains were scattered northward to New England and widespread snow sprawled across lower Michigan and the eastern half of the Ohio Valley.

In the West, drizzle and fog enveloped coastal areas from central California northward. The only fair skies to be found reached eastward across southern and central Plateau regions into the lower Plains.

The slow moving storm center along the lower Great Lakes region kept the northern tier of States on the lookout at midweek. Snow drifted into parts of Michigan, North Dakota, Montana, and Idaho throughout the day and by evening freezing rain iced the central and lower Great Lakes region. From the Canadian border to Florida, morning temperatures ranged in the 30's and 40's and hovered in the teens and lower 20's across the northern Plains.

Though winter had a firm grasp on the East and North it seemed like springtime across the central and southern Plains. In the afternoon sunny skies warmed areas from the southern Plateau region across the lower Great Plains into western Kentucky and Alabama. Pueblo, Colo., a balmy 74°, put a new record high on the books.

The cold front pushing southward through the Plains and eastward across the Great Lakes region on Thursday morning trailed wintry weather in its path. Morning temperatures behind the front sank into the teens in the northern Plains.

During the day the intrusion of cold air gave rise to a variety of precipitation throughout the interior of the Nation. Snow was scattered from the northern Rockies into western Nebraska and over the northern Plains into parts of Wisconsin, Michigan, and Pennsylvania.

The chilly, damp weather persisted across large parts of the country into the evening. Though light, widespread precipitation caused hazardous traveling conditions in many areas.

Elsewhere another frontal system brought adverse weather to parts of western U.S. As a Pacific storm approached the coast, light rain and snow occurred along the western edges of northern California and Oregon.

As the weekend approached, a western winter storm was brewing over the intermountain regions and the Rockies. Fed by cold air pushing behind the Northwest frontal system, the storm deepened in the northern Great Basin area as the day progressed. On Friday rain or snow reached across the mountains from central California through Nevada, Utah, Idaho, and Wyoming.

As the cold front moved into Texas, a low pressure center formed in Missouri and brought low clouds with widespread drizzle and fog to much of the remainder of the Plains, the upper Mississippi Valley, and portions of the Ohio Valley.

Cutting its way through the high central Plains the western storm spread snow from the Pacific Northwest over the Plateau and northern Rockies on Saturday.

Behind the snow arctic air sliding southward tumbled some temperatures to near zero levels. (Havre, Mont. 2°).

On a warmer note, above normal temperatures spread northward through the Ohio Valley. Precipitation in the area included some locally heavy thunderstorms in Illinois, Indiana, and Michigan.

Winter arrived in the Plains on Sunday, as cold air pushing southward caused temperatures in Kansas and Iowa to drop 30° or more, compared to early morning readings. In portions of the northern Rockies and Plains temperatures plunged well below zero.

Meantime unseasonably warm weather shattered record high temperatures throughout the middle Mississippi Valley, where readings ranged from the 50's to low 70's.

NATIONAL AGRICULTURAL SUMMARY

For the Week of December 8-14

HIGHLIGHTS: Unseasonably warm temperatures over much of the Nation aided fall seeded small grains and allowed open grazing in several Northern States. Harvest of remaining row crops made excellent progress in most Southern and Eastern States. By December 14, cotton harvesting in the 11 major producing States was 84% complete. Winter wheat stands in the southern Great Plains still need moisture, but warm temperatures improved conditions in some areas.

SMALL GRAINS: Above normal temperatures favored small grains in several Southern States.

Warm weather early last week in Kansas helped wheat in western areas, but overall conditions remain unchanged--good in the eastern half and poor to fair in the western half. Topsoil moisture supplies were generally adequate. In Oklahoma, wheat was 97% up to stand and making good growth, but moisture is needed in some areas. Greenbug infestations were widespread. Cheat grass in late seeded stands in north central counties required some tear-up and reseed-ing. Winter wheat in Texas is suffering from dry conditions, but is somewhat improved in the Low Plains. Elsewhere in the Nation, winter wheat remains in mostly good condition except in the northern Great Plains and Colorado. In Montana, snow cover was mostly fair, but wind damage was light. Fall seeded grains were in excellent condition in Washington and farmers were seeding winter wheat following harvest of sugarbeets. Wheat seeding was 95% finished in North Carolina, while some seeding continued in South Carolina and Virginia.

CORN: Corn harvest continued active in the few Southern States where acreage remains. Harvest was virtually complete in North Carolina, but is still lagging in northern and central Georgia. In Alabama, less than 6% of the corn for grain remains for harvest, while less than 10% is in the fields in Virginia. Only a few fields are unharvested in Tennessee.

COTTON: Cotton harvesting made excellent progress in most major States and is either complete or nearing completion in 6 of the 11 major Southern States. By December 14, cotton harvesting reached 84% finished, ahead of both last year and normal.

Harvesting in Texas continued at an excellent pace and was 80% done versus 76% in 1974 and the average 71%. Yields were below expectations in the High and Low Plains. The Mississippi crop was 86% harvested, still trailing the usual 95%. Arkansas' harvest was virtually complete except for a few scattered fields in the Southeast. Picking reached 90% complete in Alabama and 99% in Louisiana. In Oklahoma, harvest was very active at 47% complete against only 38% in 1974.

Cotton harvest continues in Arizona; was 75% complete in New Mexico; and was in the windup stages in California.

SOYBEANS: Harvest of the Nation's 1975 soybean crop was in the final stages with combining active in the remaining Southern States.

Soybean harvest in the Southern States was over 95% finished, still slightly ahead of last year and normal. Combining was complete in Arkansas, except in a few low wet fields and 93% finished in Mississippi versus 91% in 1974 and the average 92%. Harvest was virtually

complete in Kentucky and Tennessee, over 99% finished in Louisiana, and less than 6% of the expected. Soybeans in Alabama are left in the field. In North Carolina, harvest was only 86% done versus 92% in 1974. Scattered fields remain for harvest in South Carolina, while harvest still lags in northern and central areas of Georgia.

OTHER CROPS: Weather favored sorghum harvesting in Oklahoma with 96% of the crop combined, much ahead of the 1974 level. Harvest was in the windup stages in California.

Sugarbeet harvesting nears completion in Texas, but yields are suffering from curly top damage. Digging continues in California. Sugarbeets continue good growth in Arizona. Harvest of sugarcane was in full swing in Florida, and at over 90% finished in Louisiana was much ahead of last year and normal.

Tobacco stripping continues in Kentucky and Virginia as weather permits. The Burley markets in Kentucky were weaker and quality was lower.

FRUITS AND NUTS: The Texas citrus harvest continues to gain momentum with gift fruit shipments running very heavy. In California, fresh table grape movement from cold storage continues; avocado, lemon, grapefruit, and mandarin harvests were progressing; and the navel orange harvest is increasing. Citrus grove condition in Florida remains good, but rain and irrigation are needed in all areas. Harvest was very active on all December maturing varieties.

Pruning fruit trees was active in Virginia, New Jersey, and Oregon. In South Carolina, peach tree pruning continued while in Washington pruning and tying of caneberrys were active along with other fruits and grapes. Pruning and dormant spraying continued on California's deciduous orchards and vineyards.

VEGETABLES: Growth of Florida vegetable crops was slowed by a cold front moving through the growing areas midweek. Planting continued active on most crops for spring production. Crops were being harvested at peak supplies for fall production. In California, broccoli, cauliflower, celery, and lettuce were in good supply, but carrot and market tomato harvests were lighter. Light supplies of tomatoes and green peppers were available in the Texas Lower Rio Grande Valley, where cabbage and lettuce harvests continue. Onion growth continues to make exceptional progress. In the San Antonio-Winter Garden, carrots and cabbage were being harvested, while harvest started on broccoli and cauliflower. Spinach was making good growth.

PASTURES AND LIVESTOCK: Mild weather and good winter grazing conditions allowed livestock in much of the South and East to forage on pastures and crop residue. Grazing conditions continue very poor to fair in Florida and supplemental feeding continues. Wheat pasture was limited in the southern Great Plains from inadequate moisture supplies. Grazing conditions were somewhat improved in the Texas Low Plains and in southwest Oklahoma. Livestock in nearly all areas of the country are now receiving additional supplemental feed, but quantity and quality of available pasture generally determines the additional amount to be fed. Livestock continue in mostly good condition except in parts of Arkansas, Florida, and Texas where dry conditions prevail.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Dec. 14, 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 . . .	51	+ 5	T	-1.2	La. Baton Rouge . . .	57	+ 4	T	-1.2	Youngstown . . .	37	+ 7	.4	-.2
Mobile . . .	56	+ 3	0	-1.4	Lake Charles . . .	60	+ 5	0	-1.3	OKLA. Okla. City . . .	50	+ 9	.2	-.1
Montgomery . . .	49	0	T	-1.1	New Orleans . . .	56	+ 1	0	-1.2	Tulsa . . .	48	+ 7	.8	+ .4
ALASKA. Anchorage . . .	-26	-40	.3	0	Shreveport . . .	58	+ 8	T	-.9	OREG. Astoria . . .	42	+ 1	.9	-1.5
Barrow . . .	-27	-15	T	0	MAINE. Caribou . . .	13	- 5	.9	+ .3	Burns . . .	30	+ 1	.6	+ .2
Fairbanks . . .	-40	-31	T	-.1	Portland . . .	30	+ 3	3.0	+2.0	Medford . . .	36	+ 2	.8	0
Juneau . . .	-1	---	---	---	MD. Baltimore . . .	40	+ 4	.4	-.4	Pendleton . . .	39	+ 2	.2	-.2
Kodiak . . .	---	---	---	---	MASS. Boston . . .	41	+ 7	.5	-.5	Portland . . .	40	+ 1	.3	-1.0
Nome . . .	-12	-16	.1	-.1	Chatham . . .	42	---	.4	---	Salem . . .	38	+ 4	.4	-1.1
ARIZ. Flagstaff . . .	33	+ 3	1.3	+ .8	MICH. Alpena . . .	31	+ 6	.3	-.1	PA. Allentown . . .	37	+ 5	.2	-.6
Phoenix . . .	59	+ 6	.8	+ .6	Detroit . . .	38	+ 8	.9	+ .4	Erie . . .	36	+ 6	.6	-.1
Tucson . . .	56	+ 4	T	-.2	Flint . . .	37	+ 9	1.7	+1.3	Harrisburg . . .	36	+ 3	.5	-.2
Winslow . . .	38	+ 3	.1	0	Grand Rapids . . .	34	+ 6	2.5	+2.0	Philadelphia . . .	42	+ 6	.1	-.7
Yuma . . .	59	+ 2	.2	+ .1	Houghton Lake . . .	30	+ 6	.5	+ .1	Pittsburgh . . .	38	+ 7	.4	-.2
ARK. Fort Smith . . .	50	+ 8	.2	-.5	Lansing . . .	35	+ 7	1.4	+ .9	Scranton . . .	37	+ 7	.1	-.5
Little Rock . . .	51	+ 9	T	-.9	Marquette . . .	27	+ 2	1.2	+ .7	R.I. Providence . . .	39	+ 7	.8	-.2
CALIF. Bakersfield . . .	45	+ 3	.1	0	Muskegon . . .	37	+ 7	1.5	+ .9	S.C. Charleston . . .	50	0	.1	-.6
Eureka . . .	47	- 2	.7	-.8	S. Ste. Marie . . .	29	+ 8	1.0	+ .5	Columbia . . .	45	+ 1	.7	-.1
Fresno . . .	42	- 4	.1	-.3	MINN. Duluth . . .	17	+ 1	2.2	-.2	Greenville . . .	45	+ 2	1.1	-.8
Los Angeles . . .	56	- 3	.2	-.3	Internatl Falls . . .	5	- 5	.5	+ .3	S.D. Aberdeen . . .	18	0	.1	0
Red Bluff . . .	44	- 3	.2	-.6	Minneapolis . . .	26	+ 6	.7	+ .5	Huron . . .	23	+ 2	.1	0
San Diego . . .	57	0	.3	-.1	Rochester . . .	29	+ 9	1.1	+ .9	Rapid City . . .	28	0	.6	+ .5
San Francisco . . .	49	- 1	.1	-.8	St. Cloud . . .	19	+ 2	.2	0	Sioux Falls . . .	24	+ 3	.2	0
Stockton . . .	43	- 3	T	-.6	MISS. Jackson . . .	55	+ 6	0	-1.2	TENN. Chattanooga . . .	44	+ 2	.6	-.6
COLO. Denver . . .	41	+ 8	.1	0	Meridian . . .	50	+ 2	T	-1.3	Knoxville . . .	44	+ 2	.5	-.5
Grand Junction . . .	35	+ 4	.2	+ .1	MO. Columbia . . .	43	+ 9	1.4	+1.0	Memphis . . .	51	+ 8	T	-1.1
Pueblo . . .	38	+ 4	T	-.1	Kansas City . . .	41	+ 7	1.8	+1.4	Nashville . . .	49	+ 8	T	-1.0
CONN. Bridgeport . . .	41	+ 6	1.2	+ .4	St. Louis . . .	44	+ 8	1.1	+ .6	TEX. Abilene . . .	55	+ 8	T	-.2
Hartford . . .	35	+ 6	1.2	+ .2	Springfield . . .	47	+10	.3	-.3	Amarillo . . .	47	+ 8	T	-.1
D.C. Washington . . .	43	+ 5	.6	-.1	MONT. Billings . . .	27	- 1	1.0	+ .9	Austin . . .	62	+ 9	T	-.6
FLA. Apalachicola . . .	55	- 1	T	-.8	Glasgow . . .	15	- 4	.1	0	Beaumont . . .	60	+ 5	0	-1.2
Daytona Beach . . .	61	+ 1	0	-.4	Great Falls . . .	19	- 9	.2	+ .1	Brownsville . . .	68	+ 5	T	-.3
Ft. Myers . . .	65	0	0	-.3	Havre . . .	15	- 5	.3	+ .2	Corpus Christi . . .	66	+ 6	0	-.4
Jacksonville . . .	55	- 1	.1	-.5	Helena . . .	28	+ 3	.1	0	Del Rio . . .	61	+ 8	T	-.1
Key West . . .	72	0	.1	-.3	Kalispell . . .	29	+ 4	.3	0	El Paso . . .	49	+ 4	0	-.1
Lakeland . . .	62	0	.2	-.3	Miles City . . .	20	- 4	T	-.1	Fort Worth . . .	60	+11	T	-.4
Miami . . .	70	+ 1	.3	-.1	Missoula . . .	28	+ 2	.1	-.1	Galveston . . .	62	+ 4	.1	-.7
Orlando . . .	62	0	T	-.4	NEBR. Grand Island . . .	30	+ 2	.1	0	Houston . . .	62	+ 7	0	-.9
Tallahassee . . .	53	- 1	.2	-.8	Lincoln . . .	36	+ 7	.6	+ .4	Lubbock . . .	56	+14	T	-.1
Tampa . . .	62	0	.2	-.3	Norfolk . . .	28	+ 2	.1	0	Midland . . .	56	+ 9	0	-.1
W. Palm Beach . . .	68	+ 1	.7	+ .2	N. Platte . . .	29	+ 1	T	-.1	San Angelo . . .	58	+ 9	0	-.1
GA. Atlanta . . .	47	+ 3	.1	-.9	Omaha . . .	37	+10	.4	+ .2	San Antonio . . .	62	+ 8	T	-.4
Augusta . . .	48	+ 1	.8	0	Valentine . . .	27	+ 1	.1	0	Victoria . . .	64	+ 7	T	-.5
Macon . . .	50	+ 1	.1	-.9	NEV. Ely . . .	29	+ 2	.2	0	Waco . . .	62	+11	T	-.5
Savannah . . .	51	0	.3	-.5	Las Vegas . . .	52	+ 6	.1	0	Wichita Falls . . .	53	+ 8	T	-.3
HAWAII. Hilo . . .	73	+ 1	.6	-3.2	Reno . . .	32	- 2	T	-.2	UTAH. Blanding . . .	36	+ 5	.4	+ .1
Honolulu . . .	---	---	---	---	Winnemucca . . .	33	+ 2	.2	0	Salt Lake City . . .	36	+ 5	.6	+ .2
Kahului . . .	72	- 1	T	-.6	N.H. Concord . . .	29	+ 3	.6	-.2	VT. Burlington . . .	29	+ 5	.7	+ .2
Lihue . . .	---	---	---	---	N.J. Atlantic City . . .	43	+ 7	.1	-.8	VA. Lynchburg . . .	40	+ 2	.3	-.5
IDAHO. Boise . . .	31	- 2	.3	0	Trenton . . .	42	+ 6	.2	-.6	Norfolk . . .	47	+ 4	.5	-.2
Lewiston . . .	35	- 1	.2	-.1	N.MEX. Albuquerque . . .	41	+ 4	T	-.1	Richmond . . .	42	+ 2	.5	-.3
Pocatello . . .	32	+ 4	.2	0	Roswell . . .	51	+11	0	-.1	Roanoke . . .	41	+ 3	.1	-.6
ILL. Cairo . . .	49	+ 9	T	-.9	N.Y. Albany . . .	34	+ 7	.6	-.1	WASH. Colville . . .	28	0	T	-.5
Chicago . . .	39	+ 9	1.7	+1.2	Binghamton . . .	34	+ 8	.3	-.3	Omak . . .	29	+ 1	.1	-.3
Moline . . .	38	+10	.5	+ .1	Buffalo . . .	35	+ 6	1.1	+ .4	Quillayute . . .	39	- 2	3.2	-.3
Peoria . . .	37	+ 8	1.3	+ .9	New York . . .	42	+ 5	.7	-.1	Seattle-Tacoma . . .	40	- 1	.6	-.7
Rockford . . .	33	+ 7	1.5	+1.1	Rochester . . .	35	+ 6	1.4	+ .8	Spokane . . .	30	0	T	-.5
Springfield . . .	41	+ 9	1.0	+ .6	Syracuse . . .	37	+ 8	.7	0	Walla Walla . . .	40	+ 2	.3	-.1
IND. Evansville . . .	45	+ 9	.1	-.7	N.C. Asheville . . .	41	+ 2	.1	-.7	Yakima . . .	32	0	T	-.2
Ft. Wayne . . .	38	+ 8	.3	-.2	Charlotte . . .	43	0	.3	-.5	W. Va. Beckley . . .	40	+ 7	.3	-.5
Indianapolis . . .	41	+ 9	.3	-.3	Greensboro . . .	42	+ 2	.2	-.5	Charleston . . .	44	+ 7	.2	-.5
South Bend . . .	40	+11	1.4	+ .8	Hatteras . . .	49	+ 1	.2	-.9	Huntington . . .	45	+ 8	.2	-.5
IOWA. Burlington . . .	37	+ 8	2.2	+1.8	Raleigh . . .	43	+ 1	.9	+ .2	Parkersburg . . .	42	+ 6	.3	-.3
Des Moines . . .	37	+11	.5	+ .2	Wilmington . . .	50	+ 2	.5	-.3	WIS. Green Bay . . .	28	+ 6	.3	0
Dubuque . . .	32	+ 8	.3	-.1	N. DAK. Bismarck . . .	17	0	.1	0	La Crosse . . .	30	+ 7	.8	+ .5
Sioux City . . .	31	+ 6	.3	+ .1	Fargo . . .	16	+ 1	.1	0	Madison . . .	32	+ 9	.3	-.1
KANS. Concordia . . .	39	+ 8	.5	+ .3	Williston . . .	11	- 6	.3	+ .2	Milwaukee . . .	36	+11	1.1	+ .7
Dodge City . . .	42	+ 8	.2	+ .1	OHIO. Akron-Canton . . .	40	+10	.4	-.1	WYO. Casper . . .	31	+ 4	.4	+ .3
Goodland . . .	38	+ 7	T	-.1	Cincinnati . . .	45	+11	.2	-.4	Cheyenne . . .	34	+ 4	.1	0
Topeka . . .	42	+ 9	.9	+ .5	Cleveland . . .	39	+ 8	.5	-.1	Lander . . .	32	+ 8	.3	+ .2
Wichita . . .	42	+ 7	.4	+ .1	Columbus . . .	40	+ 9	.6	+ .1	Sheridan . . .	28	+ 1	.5	+ .4
KY. Lexington . . .	42	+ 6	.2	-.6	Dayton . . .	41	+ 9	.4	-.1	P.R. San Juan . . .	78	+ 1	4.0	+2.9
Louisville . . .	47	+11	.1	-.7	Toledo . . .	37	+ 8	.3	-.2					

Based on 1941-70 Normals

The Weekly Weather and Crop Bulletin is published by the National Weather Service, NOAA, and Statistical Reporting Service, USDA.
Standard copy for the Bulletin is

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STATE SUMMARIES OF WEATHER AND AGRICULTURE

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

ALABAMA: Pleasant late fall week. Average 4° above normal. Rainfall generally light on 8th. Soil moisture adequate. Fieldwork averaged 5 days. Harvest remaining crops made good progress. Less than 6% expected corn and soybean production remain in field. Cotton harvest 90% complete. Nearly all small grain seeded, conditions favorable for growth. Cattlemen feeding hay most areas, pastures providing limited roughage.

ARIZONA: Warm, dry early week, cold wet later. Temperatures 3° above normal. Largest amounts of precipitation in central mountains, central deserts. Southeast remained dry.

Cotton harvest continues. Grain sorghum harvest limited. Sugarbeets continue good growth. Preparations small grains, safflower continue. Injury alfalfa, southern areas. Hay harvest limited, frost. Lettuce full swing west, slowing Salt River Valley. Mixed vegetable harvest good progress. Picking lemons, navels, tangerines, limited grapefruit Salt River Valley. Lemons, navels, few grapefruit Yuma. Soil moisture, water supplies improved. Range condition fair. Cattle, calves good condition.

ARKANSAS: Temperatures 5 to 13° above normal. Extremes: 78 and 18°. Cool beginning, warming midweek. Rainfall light, greatest 0.06 in.

Cotton picking virtually complete, few scattered fields in southeast remain standing. Soybean combining complete except few low wet fields. Small grain stands look good. Little land preparation during week, but far ahead of previous years. Pastures short, lack fertilization. Cattle on supplemental feed, appear thinner, subject to parasite problems.

CALIFORNIA: Fair until midweek except fog Central Valley. Precipitation central 10th, north and central 11th, and most of State except desert southeast 12th and 13th. Light amounts except over 1.00 in. some northern mountains. Highs into 80's midweek south coast and low southeast deserts, but 60's by late week. Central valley highs 45 to 55° and coastal valleys 60's north to 70's central, cooling to 50's late week. Lows 30's and 40's most low valleys except under 20's some north and central coastal valleys.

Small grain plantings continue. Milo, cotton harvest winding up. Sugarbeet digging continues. Fresh table grape movement from cold storage continues. Avocado, lemon, grapefruit, mandarin harvests progressing. Navel orange harvest increasing. Pruning, dormant spraying continues active on deciduous orchards and vineyards. Broccoli, cauliflower, celery, lettuce good supply. Carrot, market tomato harvest lighter. Rangelands need moisture. Supplemental feeding most areas. Losses cattle, sheep, hogs by predatory animals.

COLORADO: Warm, dry weather through 11th. High's 70's southeast. Snow 13th and 14th and cold temperatures. Heavy snow southwestern mountains, elsewhere generally 1 to 3 in. snow.

Warm weather melted snow eastern plains allowing livestock to forage crop aftermath and pastures where available. Supplemental feeding generally required.

FLORIDA: Rather cold 10th and 11th with extensive frost over most of the interior extending as far south as the Everglades. Mild weather then prevailed. Temperatures averaged near or slightly below normal. Rainfall was light, averaging near 0.10 in., except northwest and southeast coast with local amounts of 0.50 to 1.00 in.

Soil moisture adequate in western counties, mostly short elsewhere. Cotton, soybean and pecan harvest about complete. Sugarcane harvest full swing. Small grains good condition, needing rain north and central areas. Grazing conditions continue very poor to fair. Permanent pastures browned by frost. Supplemental feeding continues. Cattle, calves mostly fair to good condition. Citrus grove condition good. Rain needed, irrigation all areas. Trees still dormant. Harvest very active on all December maturing varieties. Vegetable crops slowed by cold front moving through the growing areas midweek. Planting active for most crops for spring production. Irrigation active. Crops near peak supply level for fall production. Increasing in volume are tomatoes, cabbage, celery, escarole-endive, lettuce and radishes. In steady supply; sweet corn, eggplant and peppers. Declining in volume are snap beans, cucumbers and squash.

GEORGIA: Temperatures averaged 2° above normal. Warm early, then turning colder 8th and 9th. Low morning of 11th, near 20° in mountains to 30° coastal. Light rains early week averaging 0.25 in., few localities measured 0.75 in. Very warm and dry 13th and 14th.

Soil moisture adequate statewide. Corn, cotton and soybean harvest still lagging in northern and central areas. Pecan harvesting remains active. Soil testing, liming for spring underway, but lagging southeast. Small grains, pastures mostly good condition. Cattle remain fair to good.

HAWAII: Weather cool and partly cloudy. Rainfall light.

Crop progress affected by low temperatures in some areas. Tomatoes and head cabbage supplies moderate to heavy. Most other vegetable crops light. Banana supplies adequate, but decreasing. Papaya supplies heavy. Most sugar mills have completed grinding cane, Pastures have adequate moisture, forage growth improving.

IDAHO: Precipitation well above normal north and southwest, generally below normal southeast. Amounts ranged from 0.05 in. at Burley to 1.77 in. Grangeville. Temperatures averaged 2° above normal north and 5 to 10° above normal south. Temperatures ranged from 60° at Buhl and Mountain Home to 16° at Malad.

Some fieldwork early week, delayed by snow mid-to-end week. Cattle and other livestock in good condition. Feed supplies adequate.

ILLINOIS: Temperatures 7 to 10° above normal. Precipitation 0.50 to 2.33 in., some southern areas less than 0.10 in. Snow north and central 8th, heavy rains 14th.

Soil moisture generally adequate most areas. Winter wheat mostly good to excellent. Livestock doing well.

INDIANA: Warm. Daily high temperatures averaged 43° north, 52° south and 7° above normal. Low temperatures averaged 36° north, 42° south and 14° above normal. Highest 73° extreme southeast on 14th and record breaker. Lowest 24° on 10th. Precipitation 1.50 to 2.00 in. north, 0.50 to 1.00 in. south.

Fieldwork minimal. Soils too soft to work. Work confined to farmstead, mostly chores.

IOWA: Temperatures averaged 5 to 11° above normal. Precipitation near normal northwest to well above normal southeast. Unseasonably mild weather prevailed until weekend. Cold outbreaks weekend, produced general thunderstorm activity.

Major farm activities were care of livestock. Rains helped bring soil moisture to a more favorable level in some areas.

KANSAS: Temperatures averaged from 35° northwest to 48° southeast; 4° above normal northwest and north central to 8 to 12° above normal elsewhere. Significant precipitation limited to east during weekend, locally more than 2.00 in. southeast and 1.00 to 2.00 in. other areas east. Severe thunderstorms produced considerable property, tree, and power line damage in Wichita and Council Grove vicinities around midnight on 13th to 14th.

Warm weather early week helped wheat in west, but condition as a whole is unchanged; good east half, poor to fair west. Topsoil moisture supplies generally adequate. Subsoil moisture supplies generally short except in southeast. Limited greenbug activity.

KENTUCKY: Temperatures near normal early week. A warming trend resulted in record breaking temperatures in some locations by week's end. Precipitation, less than 0.25 in., occurred early week with fair weather remainder.

Winter grains and pastures remain in mostly excellent condition, livestock still grazing. Soybean harvest nearly complete. Tobacco being prepared for market as conditions permit. Auction markets weaker during week, quality lower.

LOUISIANA: Temperatures 2 to 4° above. Cool first half, warmer by weekend. Little or no rainfall. Temperature extremes 80° 13th, 27° 10th.

Harvest made excellent progress. Fieldwork possible 5.5 days. Soil moisture adequate. Main activities: Cotton, soybean, and sugarcane harvest. Soybeans over 99% harvested, 96% 1974, 95% average. Cotton approached 99% harvested, 93% 1974, 95% average. Sugarcane over 90% harvested, 83% 1974, 82% average. Pastures normal, cattle fair.

MARYLAND AND DELAWARE: Temperatures averaged 1 to 5° above normal. Highs, upper 60's; lows, upper teens. Precipitation fell over both States. Amounts ranged from 0.13 to 3.00 in., heaviest in north central Maryland. Snow flurries were scattered throughout the week.

Some corn for grain and soybeans still being harvested. Farmers preparing land for spring crops. Wheat, barley, winter oats, rye generally in good to excellent condition. Moisture supplies adequate. Most animals still on pasture and in good condition.

MICHIGAN: Temperatures mostly above normal. Upper Peninsula ranged from 4° above west and 8° east. Temperatures over Lower Peninsula ranged

from 6 to 10° above normal. Precipitation spotty, 1.00 in. at Grand Rapids and 0.02 in. at Traverse City. Precipitation Upper Peninsula ranged from 0.20 to 1.25 in.

Feeding livestock and farm chores were main farming activity.

MINNESOTA: Mild week. Temperatures little below normal extreme north, 1 to 3° above normal central and west, 4 to 8° above southeast. Extremes: 42 and -20°. Precipitation near normal central and west; above normal north central and southeast. New snow 4 to 7 in. north central and 1 to 3 in. elsewhere. Snow on ground at week's end: 6 to 12 in. central through north and northeast, 1 to 5 in. elsewhere.

MISSISSIPPI: Temperatures near normal. Extremes: 85 and 20°. Rainfall averaged in excess of 1.00 in. many areas.

Soil moisture supplies adequate to surplus. Fieldwork 4.6 days suitable. Cotton 86% harvested, 88% 1974, 95% average. Soybeans 93% harvested, 91% 1974, 92% average. Pecans 88% harvested, 89% 1974. Pastures are in mostly fair condition, livestock in fair to good condition. Hay and roughage supplies are mostly adequate, feed grain supplies are short to adequate.

MISSOURI: Temperatures 6 to 8° above normal. Precipitation generally less than 0.25 in. Poplar Bluff had 2.47 in. and Ozark Beach and Clearwater 1.98 in.

Farm work consisted of winter care and management of livestock.

MONTANA: Week began very warm with strong cooling midweek as snow and freezing rain moved throughout. Temperatures averaged 7° below normal north central to 5° above normal west. Precipitation heavy south central, moderate to heavy elsewhere except lighter amounts central.

Winter wheat condition good. Snowcover protection mostly fair, some poor, some good. Wind damage light. Soil moisture adequate. Livestock condition good to excellent. Death losses because of weather or disease normal to lighter than normal. Grazing open to difficult. About 70% cattle and 80% sheep receiving supplemental feed.

NEBRASKA: Temperatures were a few degrees above normal. Precipitation 0.10 in. below except extreme east where rain showers averaged 0.10 to 0.60 in. Thunderstorms occurred late 13th.

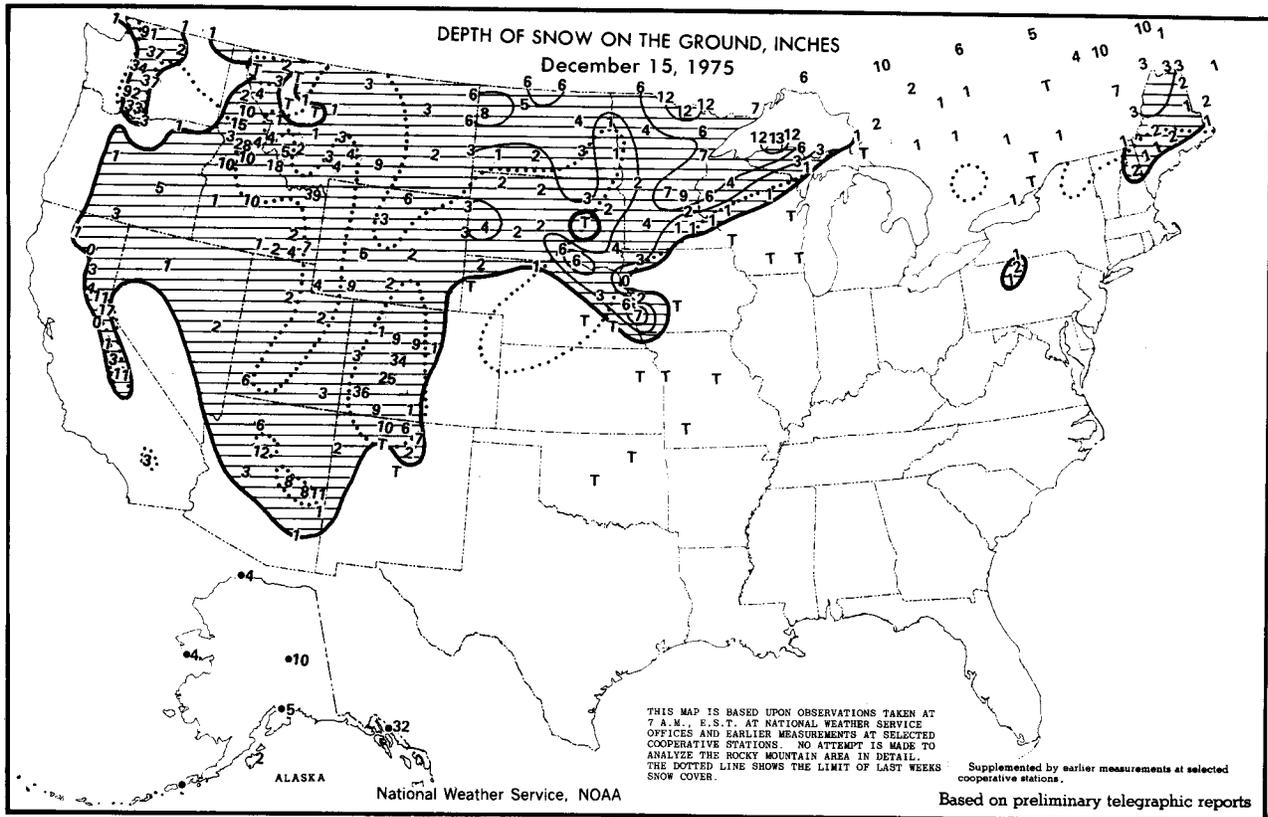
NEVADA: Above normal temperatures early, followed by rapidly moving cold front on 13th. Resulting storms brought light precipitation most areas, heaviest in northeast. Temperature extremes: 75° Logandale, 9° below zero Ely.

Cotton harvest nearing completion Pahrum Valley. Farm and ranch activities elsewhere mostly caring for and feeding livestock.

NEW ENGLAND: Seasonally cold temperatures; north near or below zero on 8th, 9th, 12th and 13th. Precipitation 9th and 10th, snow north, mixed rain and snow south. Water content 0.50 to 1.50 in. Snow north on 13th.

NEW JERSEY: Temperatures averaged 1° below normal north and 2° above elsewhere. Average: 34° north, 39° south and 41° coastal. Extremes: 17° at Newton on 9th and 59° at Pamona on 14th. Precipitation totals averaged 0.44 in. north, 0.31 in. south and 0.11 in. coastal.

Late hardy greens being harvested. Some fruit



tree pruning being done. Many farmers spent the week deer hunting.

NEW MEXICO: Sunny and dry beginning and middle of week with little wind. Considerable cloudiness and wind beginning 12th and through weekend with light snows northern mountains.

Soil moisture short. Ranges fair, but very dry. Livestock good, some supplemental feeding. Cotton 75% harvested, about normal for this time of year. Pecans good, harvest continued active. Irrigated winter wheat fair, dryland poor due to lack of moisture; some greenbug infestation; limited grazing. Barley good in southern areas, poor elsewhere.

NEW YORK: Unseasonably warm 5 to 10° above normal. Highs 50's and low 60's, while lows mostly 30's and low 40's. Cold spot was Newcomb with minus 3° the 8th. Week ended with little or no snow on ground. Generally dry the 8th but some rain or snow most other days. Rain northeast quite light, but 0.50 to 1.00 in. elsewhere.

NORTH CAROLINA: Temperatures near normal to 4° above normal. Rainfall below normal in mountains to above normal in east.

Days suitable fieldwork: 2.6. Soil moisture mostly adequate. Soybean harvest 86% complete, 92% 1974, 87% average. Corn, cotton, sorghum grain, and lespedeza seed harvest virtually complete. Small grains fair to mostly good; 95% planted.

NORTH DAKOTA: Temperatures 2 to 7° above normal. Extremes: 51 and -15°. Precipitation above normal central, north and west; normal to below normal south and east. Weekend cold with scattered precipitation. Snow depth ranges from 7 in. west to 1 in. east.

Livestock conditions good. Farm activity limited to winter-time chores. Feed and forage supplies adequate.

OHIO: Frequent precipitation 8th to 11th. Snow totaling 1 to 2 in. over some northern counties on 8th and 11th. Total weekly precipitation averaged 0.50 in. or less. Temperatures remained mostly in 20's and 30's in northern counties through 12th. Warmer air overspread southern counties on 11th and throughout by 13th and 14th. Record high temperatures at Youngstown, Mansfield, Findlay, Toledo and Cincinnati on 13th. Continued mild on 14th with highs in 60's.

OKLAHOMA: Temperatures averaged 2 to 4° above normal. Precipitation averaged from none west central and southwest to 1.09 in. central. Weekend mild to cold with freezing rain on night of 14th most areas.

Favorable weather for harvest brought sorghums to 96% complete, soybeans 94%, near 80% both crops year ago. Cotton harvest very active, 47% complete, 38% 1974. Wheat making good growth, needs moisture some areas, 97% up to stand. Greenbug infestations widespread. Lots of cheat grass in late seeded north central counties, some tear-up and replant. Pecan harvest past two-thirds mark. Ranges fair to good, quantity of available feed going fast in areas where no small grain grazing available. Wheat pasture good in southwest. Cattle good condition from supplemental feeding.

OREGON: Temperatures averaged 3° above normal. Extremes: 60's and 20's, teens east. Precipitation along coast ranged 1.80 to 2.67 in., western valleys 0.93 to 1.15 in., east 0.17 to 0.82 in.

General winter farm activities continuing. Spraying grain, pruning orchards and berries.

Equipment being overhauled. Onions, potatoes moving from storage. Livestock look good, most on supplemental feed. Feed supplies appear adequate.

PENNSYLVANIA: Mildest week since November with warming trend throughout. Extremes: 25 and 63° Stationary front produced wet conditions most areas several days, falling as rain south and snow north. Snowfall accumulation of nearly a foot at Bradford on 9th and 10th. Weekly precipitation totaled from 1.25 in. north and central mountains to less than 0.25 in. most eastern counties.

Caring for livestock, deer hunting and normal winter chores.

PUERTO RICO: Island average rainfall 4.96 in. Highest weekly total 13.63 in. at Pico Del Este Luquillo. Highest 24-hour total 6.60 in. at Juncos. Temperatures averaged about 76° on coasts and 70° interior. Extremes: 89 and 56°

Heavy rains and local flooding caused much damage to sugarcane fields and excessive rain prevented the cane from ripening. Rainy weather also caused interruptions in coffee harvesting and knocked many beans to the ground. Tobacco seedbeds and planting also suffered damage and much pasture land is being lost due to trampling by cattle in wet areas. Operations in food crop areas were held up by saturated soil conditions, heavy losses reported due to soil erosion.

SOUTH CAROLINA: Temperatures ranged from 40's west to low 50's south and central. Cooler than usual early, above normal end of week. Temperatures below freezing nights late week. Rainfall early week averaging 0.20 to 0.30 in. mountains and foothills, 0.75 in. elsewhere.

Scattered soybean, cotton harvest. Some small grain seeding. Peach tree pruning, tobacco bed gassing, and pine tree seedling set. Seasonal lull in farming activities.

SOUTH DAKOTA: Temperatures averaged 3 to 5° above normal. Quite warm, but a cold arctic air mass covered State by weekend, forcing temperatures to zero or below. Extremes: 68° Belle Fourche 9th, -20° Aberdeen 14th. Precipitation fell as rain, freezing drizzle, and snow; ranging from 0.55 in. Rapid City to generally less than 0.15 in. elsewhere.

Rain and freezing drizzle caused added stress to livestock. Feeding and caring for livestock main activity. Farrowing continues. Shoveling snow.

TENNESSEE: Rainfall averaging 0.50 in. early week. Temperatures average 4 to 9° above normal for 2d consecutive week.

All crops harvested except few fields of corn. Some cotton fields abandoned. Fall sown grains in very good condition. Pastures above average for time of year.

TEXAS: Unseasonably warm temperatures and meager precipitation throughout despite two cold fronts. Temperatures 4° above normal in most areas. Little precipitation fell during week. Average rainfall across State less than 0.10 in.

Cotton harvest continues excellent progress. Yields below normal on High, Low Plains. Wheat and oat seeding completed, suffering from dry conditions. Livestock grazing reduced on small grains. Sugarbeet harvest nears completion. Yields suffering from curly-top damage. Major crops percent harvested: Cotton 1975 80, 1974 76, average 71; sorghum 1975 100, 1974 99,

average 99; peanuts 1975 100, 1974 95, average 98. Major crops percent planted: Wheat 1975 100, 1974 99, average 100; oats 1975 100, 1974 99, average 99.

Lower Rio Grande Valley: Light supplies of tomatoes and green peppers. Onions continue to make exceptional progress. Lettuce and cabbage harvests continue. San Antonio-Winter Garden: Carrots and cabbage being harvested. Spinach making good growth. Most onions planted, but few late fields planted during week. Broccoli and cauliflower harvest started. High Plains: Late carrot harvest nearing completion. Pecan harvest tapering off south central, general harvest continues in central, north, and Trans-Pecos. Citrus harvest continues to gain momentum with gift fruit shipments running very heavy.

Wheat grazing on High Plains limited due to inadequate moisture. Some grazing on corn and milo stalks. Native pastures short. Grazing conditions somewhat improved on Low Plains with good wheat grazing for livestock. Lack of rainfall elsewhere prevented adequate growth of small grain, reducing grazing. Rangeland and stock ponds need rain. Supplies of dry grasses good but green pastures few. Although dry conditions prevail, cattle fair to good shape except east, where weight loss, worm infestation problem.

UTAH: Predominantly dry weather with precipitation occurring late week. Temperatures much above normal, ranging from 10° above normal northern mountains to 1° below normal Uintah Basin. Precipitation amounts ranged from 0.01 in. to 0.44 in. north central valleys.

Major farm activities were: Processing of sugarbeets and turkeys; care and feeding of cattle and sheep on winter ranges, valley farms and feed lots; and sorting, grading and marketing of dry onions, potatoes and apples from storage.

VIRGINIA: Average temperature 3° above normal. Extremes: 60 and 12°. Precipitation averaged 0.80 in., falling early and midweek.

Wet conditions east, southeast, where 1 to 3 days suitable fieldwork; statewide 3.0 days suitable. Topsoil moisture 70% adequate, 30% surplus. Pastures, winter grazing crops good due mild weather. Feeding increasing as livestock moved to feeding areas. Winter lambing, calving increasing. Fall crop harvest windup stage, less 10% corn, soybeans, milo in fields. Where soils permitted; land preparation, liming, and fertilizing active. Some late seeding wheat, cover crops, orchardists pruning fruit trees. Burley, fire-cured, sun-cured tobacco prepared, marketed. Farm butchering, cutting firewood, general chores and preparation for winter active.

WASHINGTON: West: Temperatures 1 to 4° sub-normal. Precipitation varied; mostly below normal.

Farmers disposing of dead livestock and clearing mud and debris from flood areas. Other activities: Repairing machinery, winter chores, pruning and tying canberries. Christmas tree cutting in full swing and increasing. Hay supplies short to adequate. East: Readings 1° of normal except 3 to 4° above in southeast. Precipitation subnormal except southeast, ranged from 0.11 to 0.90 in. above normal.

Pruning grapes and fruit trees. Harvesting field corn. Seeding winter wheat following sugarbeets. Rain caused minor erosion in some fields. Other activities: Aerial applications of herbicides. Fall grains in excellent shape

and soil moisture good. Cattle grazing lower elevations, but majority receiving some hay.

WEST VIRGINIA: Temperatures above normal. Unseasonably warm weather late week with high in 60's. Precipitation below normal with amounts ranging from 0.25 to 0.50 in.

Fieldwork suitable 3.5 days. Soil moisture remains mostly adequate. Fall sown grains in good condition. Hay feeding has been at a minimum. Livestock generally good condition. Farm activities repairing fences and machinery, building construction and care of livestock.

WISCONSIN: Light snow 1 to 2 in. south 8th, 1 to 3 in. north and east 10th. Snow south

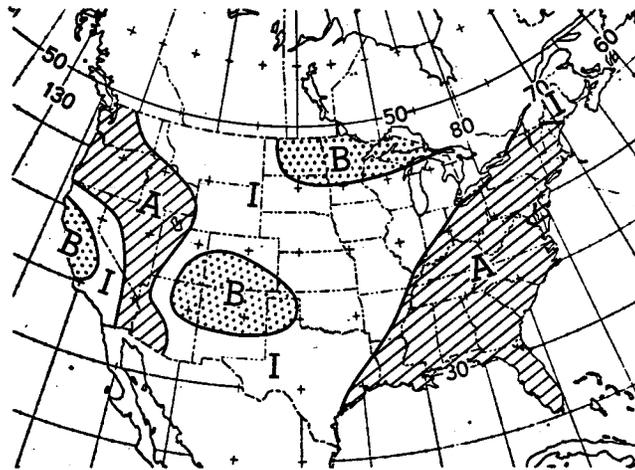
11th, with 2 to 5 in. extreme southeast. Showers and thunderstorms 13th, changed to snow northwest 13th with 1 to 4 in. Near seasonal temperatures until 13th when warm air resulted in record high readings of near 60° south. Cold arctic air from northwest returned late 14th.

WYOMING: Temperatures above normal. Departures averaged from 10 to 13° above normal. Precipitation below normal.

Snow and wind late week increased supplemental feeding most areas. Need for additional moisture continues. Cattle and sheep generally good condition. Some movement to lower ranges necessary with advent of winter. Marketing cows and calves continued.

OUTLOOK FOR WINTER AVERAGE TEMPERATURES

December 1975 through February 1976



Above Normal, 60% chance of occurrence



Below Normal, 60% chance of occurrence



Indeterminate, 50% chance of Above Normal
50% chance of Below Normal

The two categories Above and Below are to be compared to the long-term average or "normal" temperatures of the years 1941-70. Each category has a natural climatic frequency or probability of 50%. Each carries a 60% probability of occurring where forecast (shaded area), based on the verification scores of seventeen years of experimental seasonal predictions.

NOAA National Weather Service
Long Range Prediction Group

Crop Outlook Generally Favorable

Topnotch production for each class of wheat--winter, durum, and other spring--pushed total wheat output to a record level in 1975.

The Crop Reporting Board, in its December summary, noted that wheat production hit over 2.1 billion bushels, a gain of 19% from last year's record. Average yield per harvested acre ran to nearly 31 bushels, well above the relatively low 1974 total of 27 bushels. Acreage for harvest also showed an increase. The winter crop was 19% larger at 1.6 billion bushels; durum jumped 52% to 123 million bushels; other spring wheat was up 11% at 359 million bushels. The noticeable gains for durum and other spring wheat followed small 1974 crops caused by late planting and poor growing weather.

The 1975 rice crop was the largest to date because of a sharp increase in acreage and a better-than-average yield. The crop of oats showed a 7% boost from last year, and barley output topped 1974 by a fourth.

Cotton production tumbled another 6% during November and is likely to finish the season 27% below a year earlier with the smallest crop since 1967. Cotton growers face a cut in acreage for harvest of 26% and there was a 5 pound per acre reduction in yields. The final harvest is likely to bring in just 8.5 million bales.

The total crop of citrus is estimated somewhat smaller than a season ago. The current view is for 14.4 million tons, 1% under last year but 8% more than 2 years ago. Output of oranges is forecast at nearly 231 million boxes, 3% less than last season's record harvest. For Florida, prospects are unchanged from October, but 1% under the record set a year ago. Grapefruit production is likely to be record high with a 14% gain from a year earlier.

The 1975 fall potato crop is an estimated 272 million hundredweight, 6% below the 1974 harvest. There were fewer acres harvested but yields were much better.

In terms of potato stocks, growers, local dealers, and processors in fall producing areas held over 179 million hundredweight on December 1, a decrease of 4% from a year previous.

A slight improvement from a month ago pulled burley tobacco production to 639 million pounds, 4% ahead of the 1974 crop.

The condition of pastures and range feed on December 1 was slightly above the mark at that time last year. Conditions in the Northwest and most of the eastern third of the Nation continued good to excellent, while fair to very poor described much of the Midwest and Southwest.



ALL WHEAT PRODUCTION ^{1/}

	1974	1975	Pct. of 1974
	---- 1,000 bu ----		
Ariz.	15,510	22,720	146
Ark.	10,400	15,600	150
Calif.	38,994	62,227	160
Colo.	67,725	50,950	175
Idaho	61,860	60,050	97
Ill.	51,900	67,470	130
Ind.	50,040	64,500	129
Kans.	319,000	350,900	110
Mich.	37,600	38,760	103
Minn.	80,862	87,839	109
Mo.	37,990	48,510	128
Mont.	120,108	155,925	130
Nebr.	98,600	98,240	100
N. Dak.	210,752	264,392	125
Ohio	64,680	74,340	115
Okla.	134,400	160,800	120
Oreg.	52,950	56,370	106
S. Dak.	57,020	63,294	111
Tex.	52,800	131,100	248
Wash.	122,220	145,140	119
U. S.	1,796,187	2,133,803	119

^{1/}Year end estimate

World Agricultural Weather Watch

HIGHLIGHTS: Dry weather is threatening crops in Argentina and causing similar problems in north Philippines. Beneficial snow comes to the USSR and rains in South Africa ease crop stress. Generous precipitation improves crop prospects in the Mediterranean region. Wet weather at harvest takes additional toll of Brazilian wheat but favors summer crops.

WEATHER: The Argentina spring has been quite dry in the northeast Buenos Aires and adjacent Santa Fe Provinces although precipitation has been mostly adequate in the wheat crescent. Temperatures have been a little cooler than usual. In Brazil, November was much wetter than normal in central and southern regions and drier than normal in the northeast; nationwide, temperatures were about normal. This pattern continued during the first half of December. Central America and many south Caribbean Islands benefitted from substantial rain during the last 6 weeks of the month.

Late spring and early summer rains eased dry conditions in South Africa's maize triangle, and only a few dry spots remain.

Heavy rains, mostly from tropical disturbances, drenched Australia's north and northwest regions. November and early December were drier than normal in the important southeast interior, but rain again soaked the area in mid-December.

Heavy rains in India's Andhra Pradesh and Tamil Nadu relieved shortages of storage water and improved soil moisture. Unlike most of India, these States depend on substantial fall rains. Much of the remainder of India also experienced above normal rainfall, but seasonal amounts were low.

Crops in northern parts of the Philippines suffer from lack of rain. In contrast to last fall, few typhoons influenced the area this season.

In the People's Republic of China (PRC) November was drier and warmer than usual over much of the plains of northern PRC and Manchuria. Temperatures were below normal in the south with rainfall amounts near normal although generally above normal in most of the southwest. Soil moisture shortages continue in the Manchurian Plain and adjacent Hopeh Province.

Most Mediterranean countries--especially Algeria, Tunisia, Italy, and Turkey--received good rains

in November and early December. Mid-December rainfall was generous in Spain, Morocco, and Portugal. Elsewhere in Europe, including the USSR, November precipitation was mostly less than normal, except in Bulgaria, Romania, Moldavia, and parts of the southern Ukraine. December storms brought much needed precipitation to the USSR. No damaging low temperatures have been experienced.

CROPS: Harvest of winter grains advanced in the Southern Hemisphere, assisted by relatively dry weather in Argentina and much of Australia. Harvest was impeded somewhat by heavy rains in Brazil and in some spots in Australia. In Brazil, rains were needed to start summer crops and to improve pastures and orchards but dry weather in much of Argentina's corn belt caused concern. Although tardy, South Africa's rains brought considerable relief to crops, particularly corn. Frosts reduced wine grape prospects in Chile by about 20%.

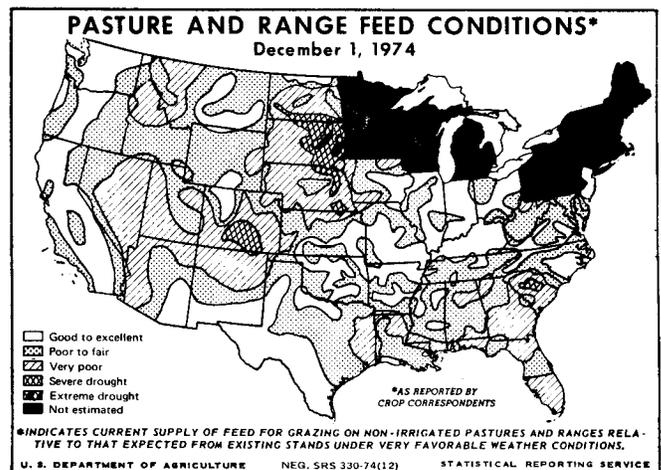
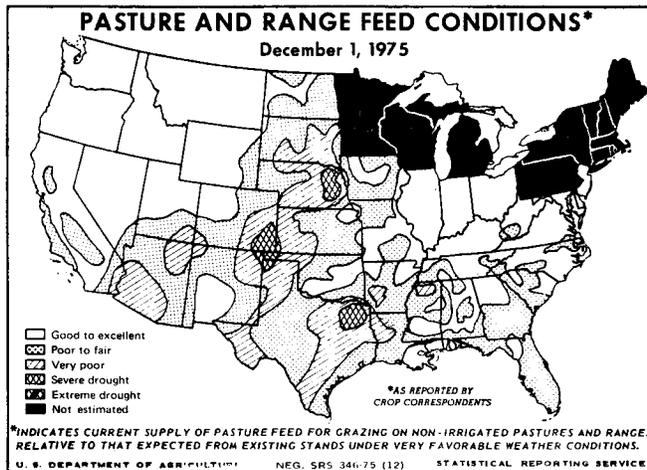
The postmonsoon rains in India benefitted winter-grown crops without delaying harvest activities. In southeast India heavy November rains restored water reserves and boosted prospects for tobacco, rice, and tea.

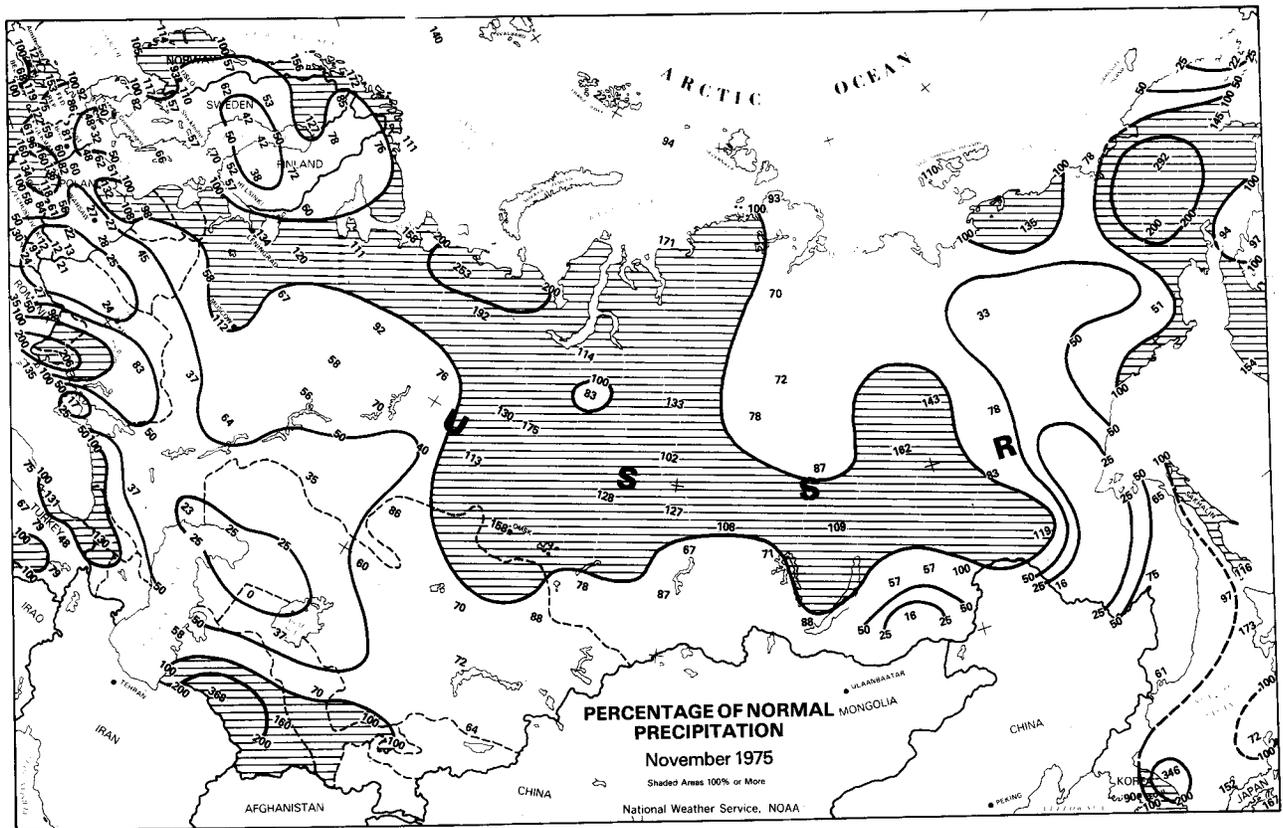
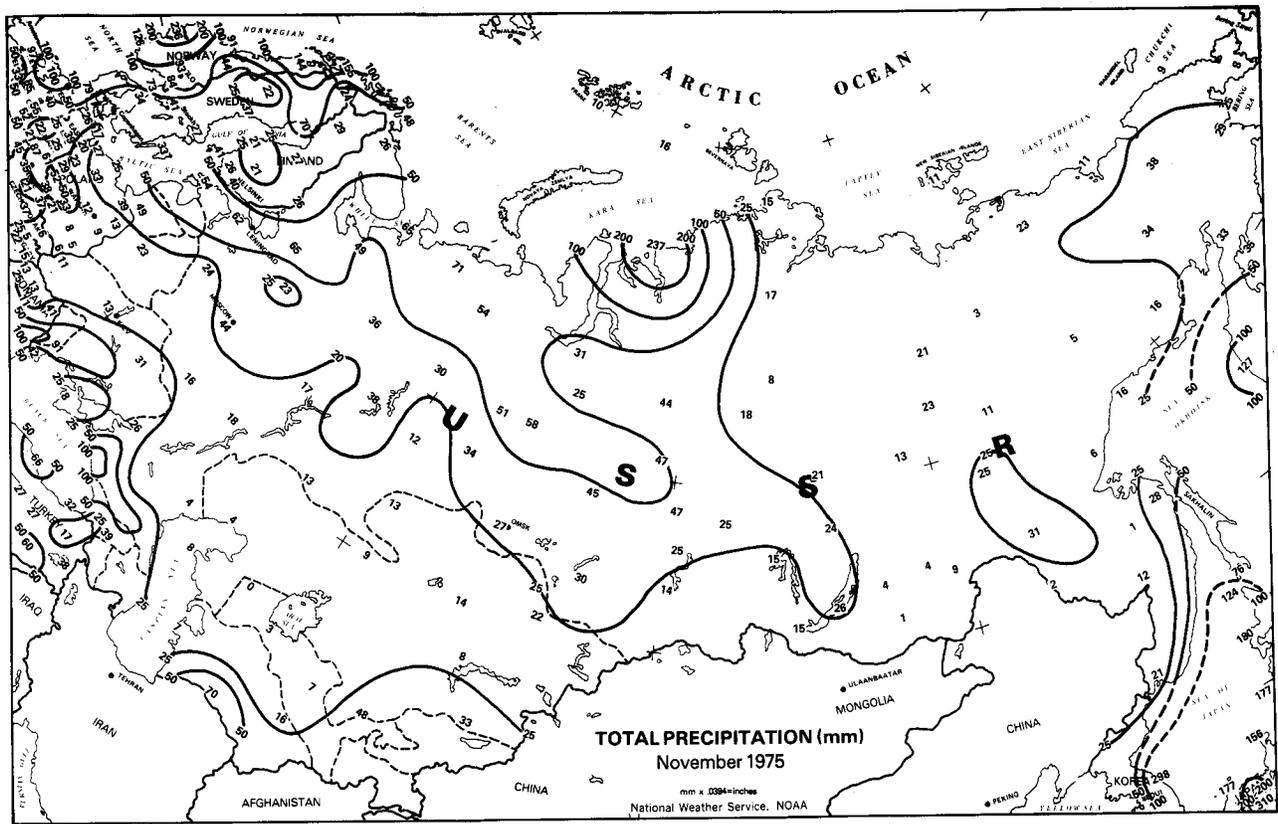
In the PRC rains in October and early November, coupled with moderate temperatures, maintained generally favorable soil and crop conditions in the south. Except for Hopeh Province, there is good soil moisture for winter grains in the northern PRC plain. Snow that accompanied the first real cold of the season in early December protects crops in most of the region.

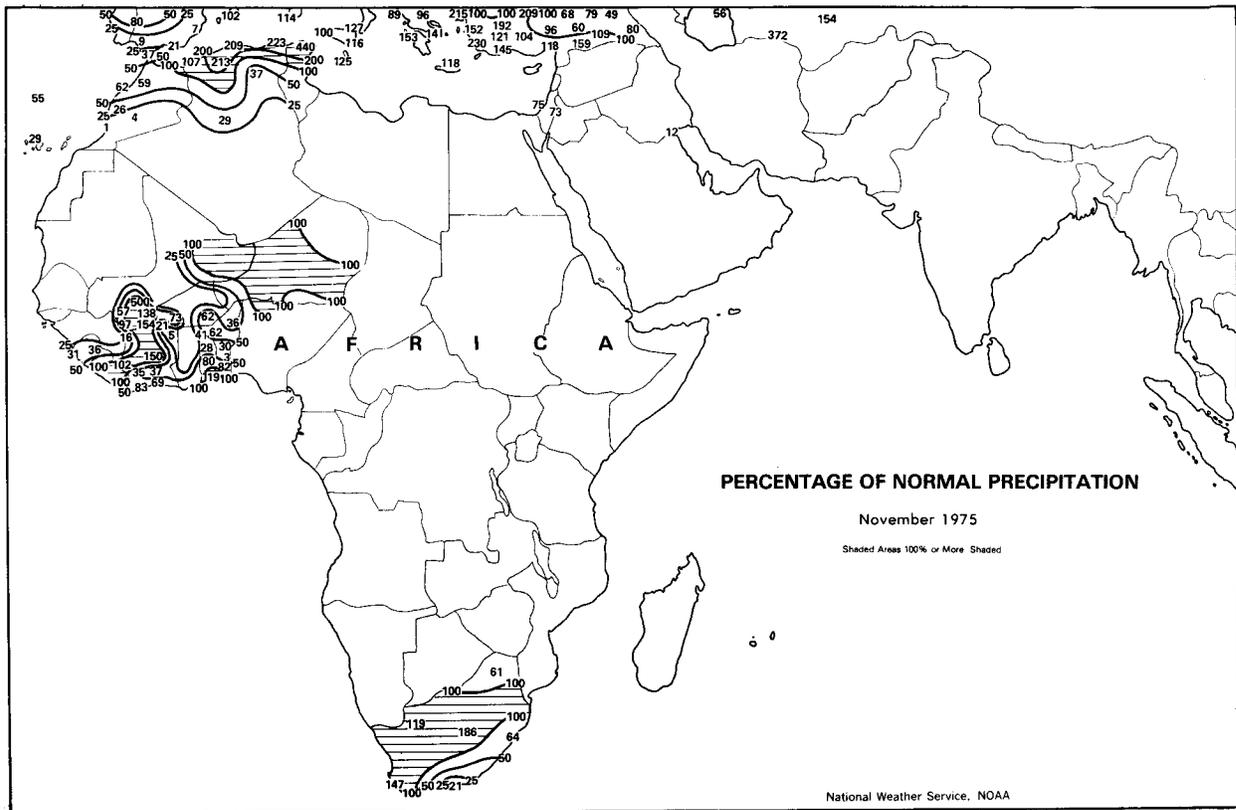
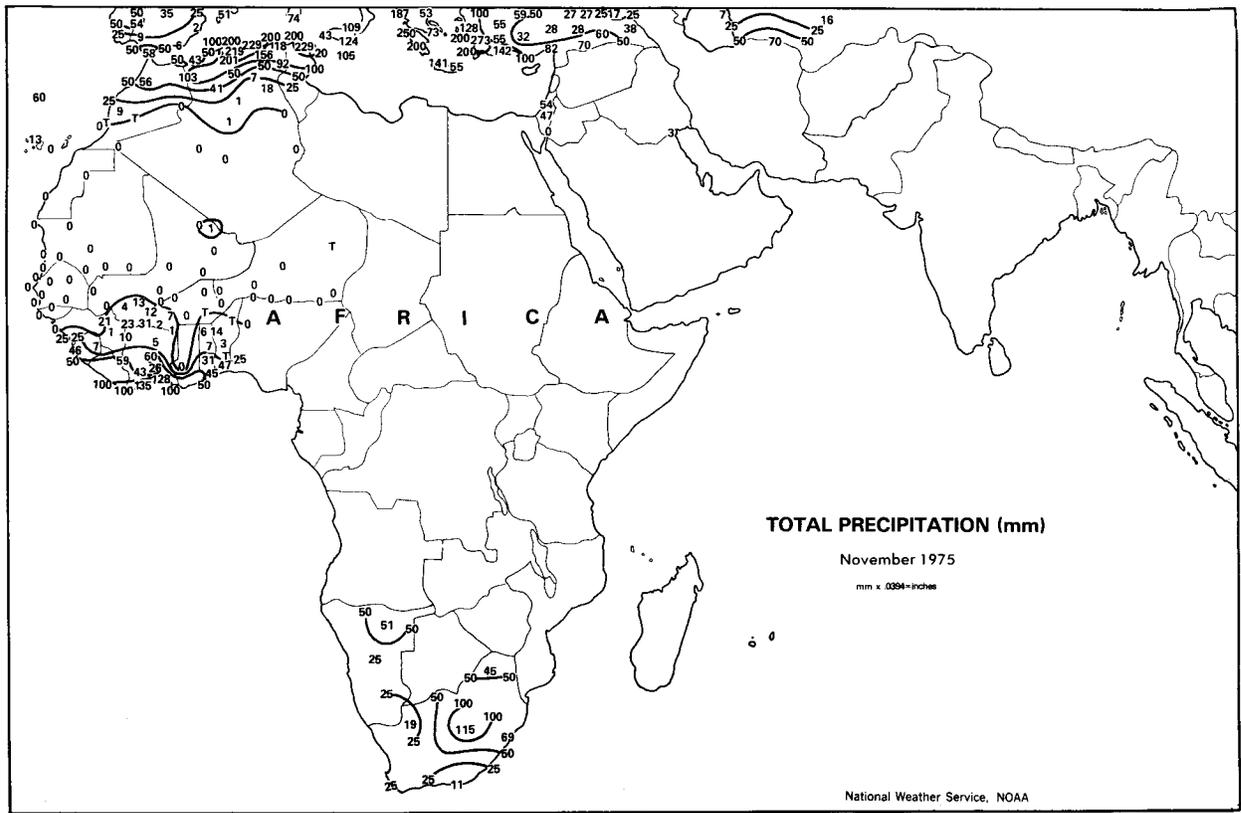
Winter grains received a much needed lift from November-December rains in most of the Mediterranean region.

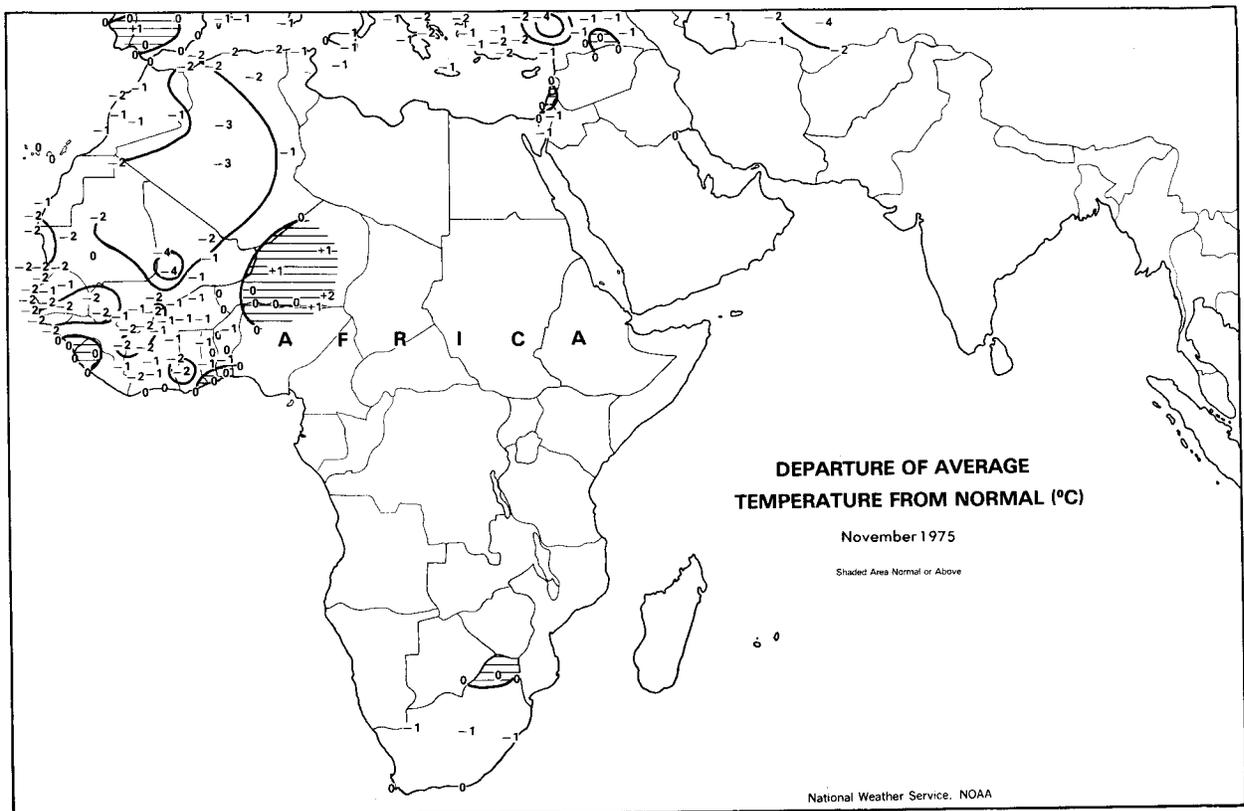
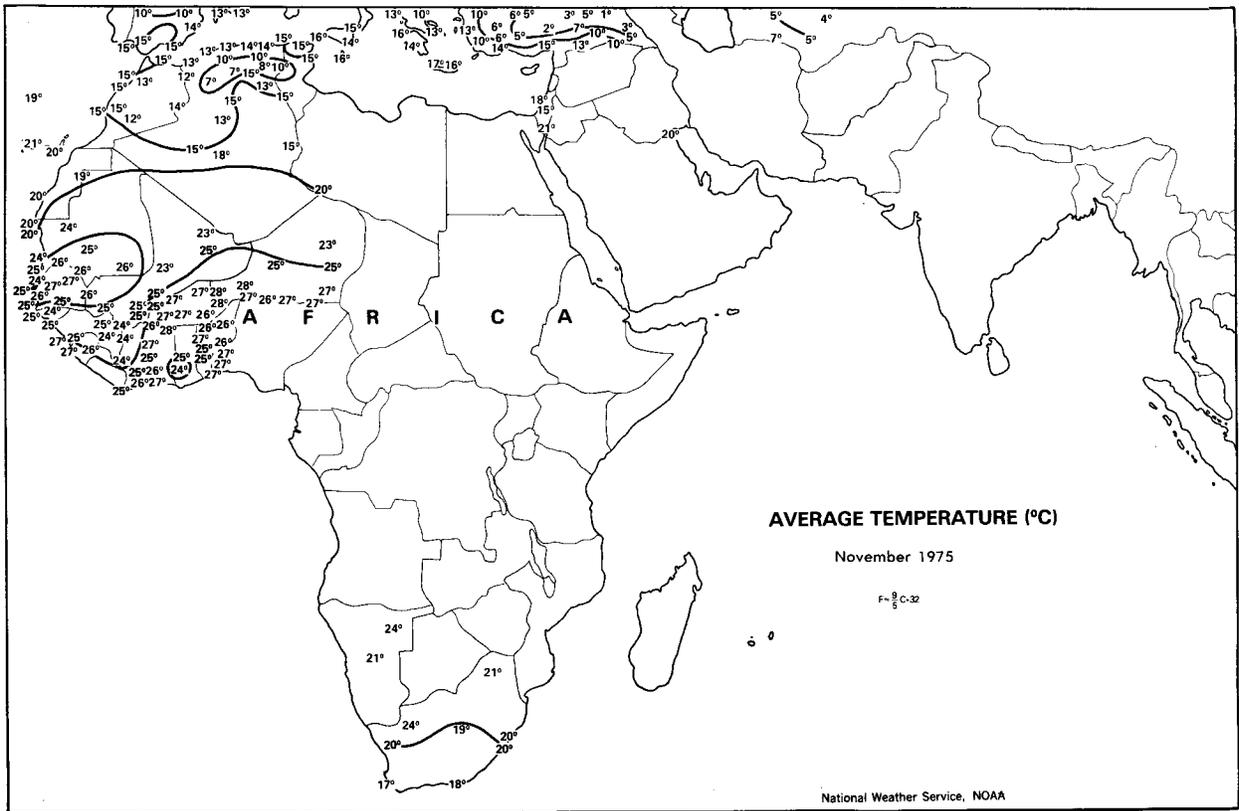
In other parts of Europe a soil moisture deficit continues, especially in the Baltic region and USSR. December storms improved conditions generally and added snow protection across much of the USSR's winter grain area. Although the previously dry Crimea also received good precipitation, much more is needed. Temperatures to mid-December were not critical for winter wheat. However, much winter grain in the USSR is weak and needs snow cover protection.

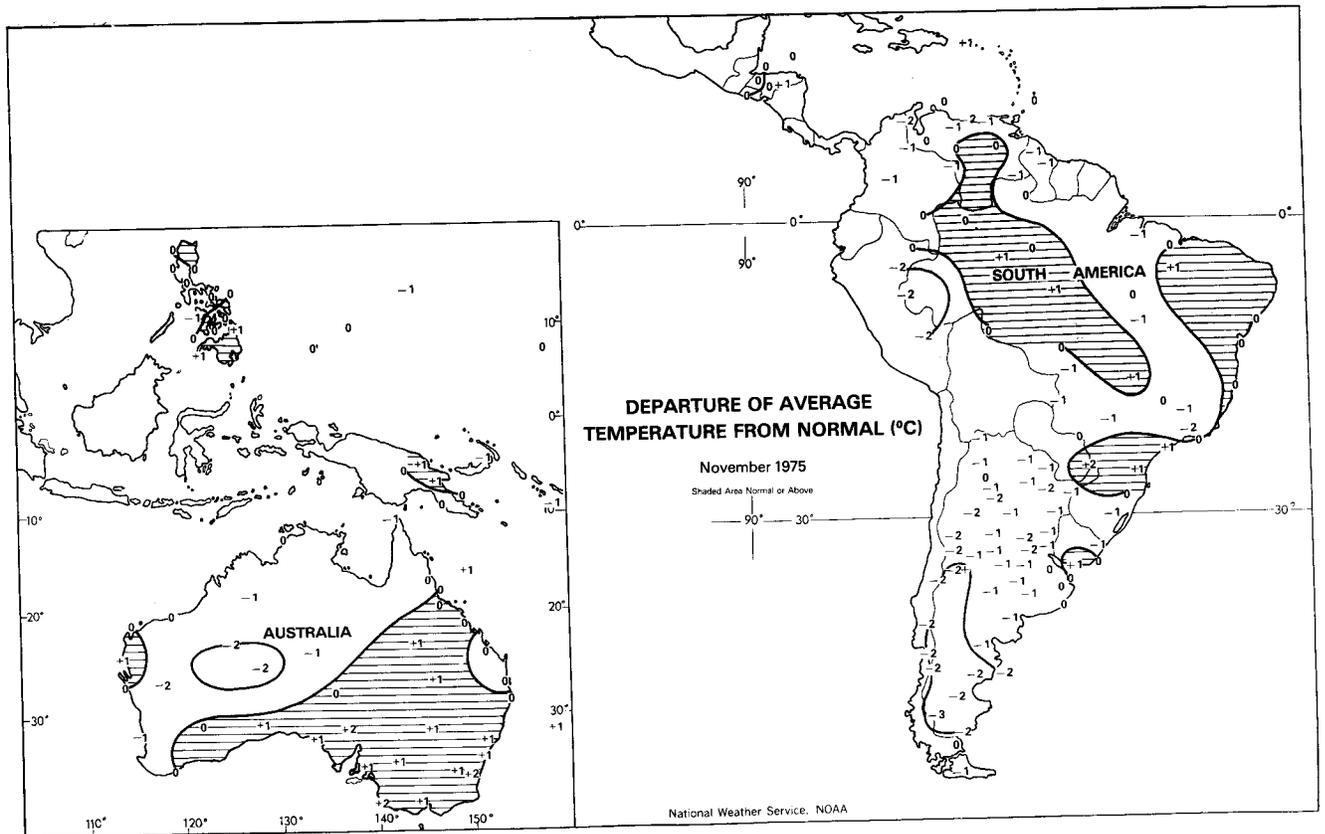
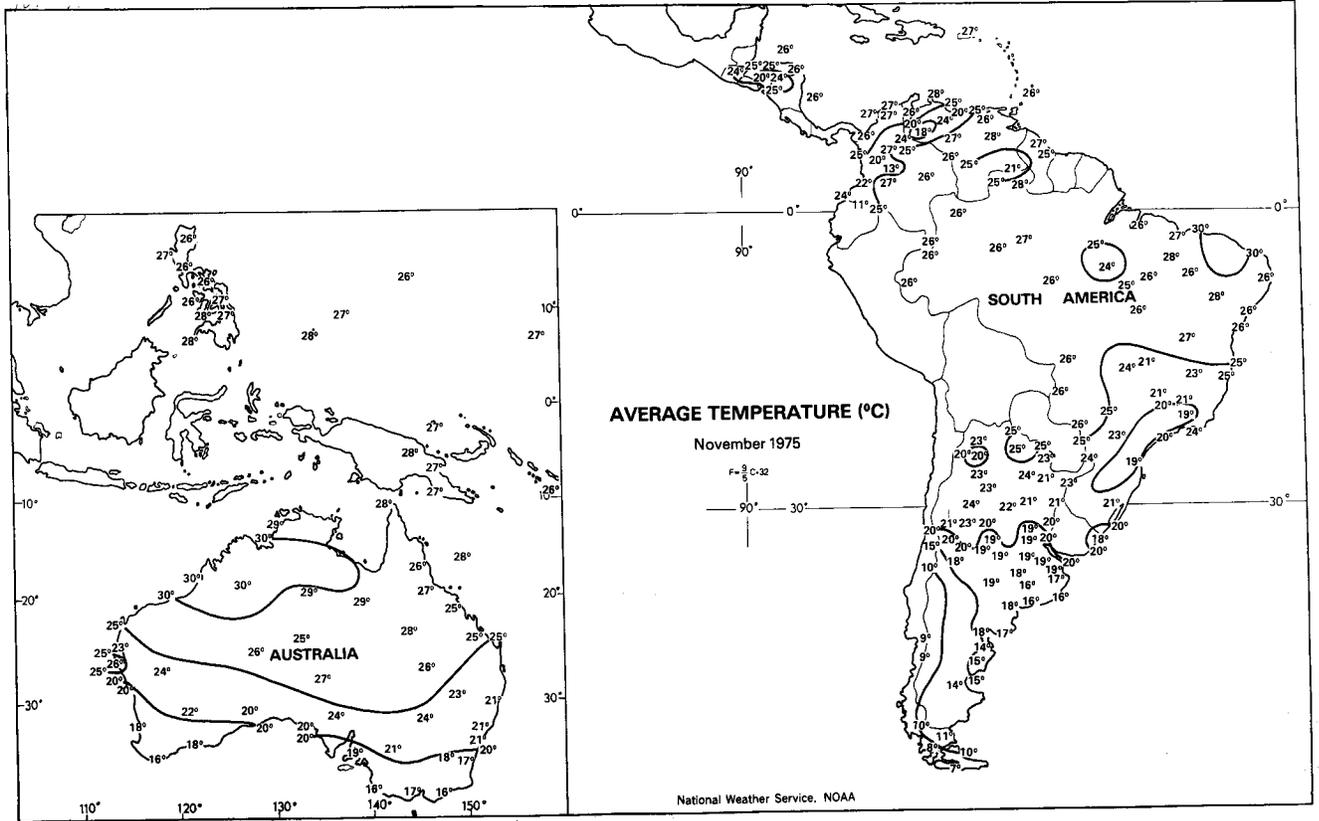
William Cremins
Foreign Agricultural Service, USDA



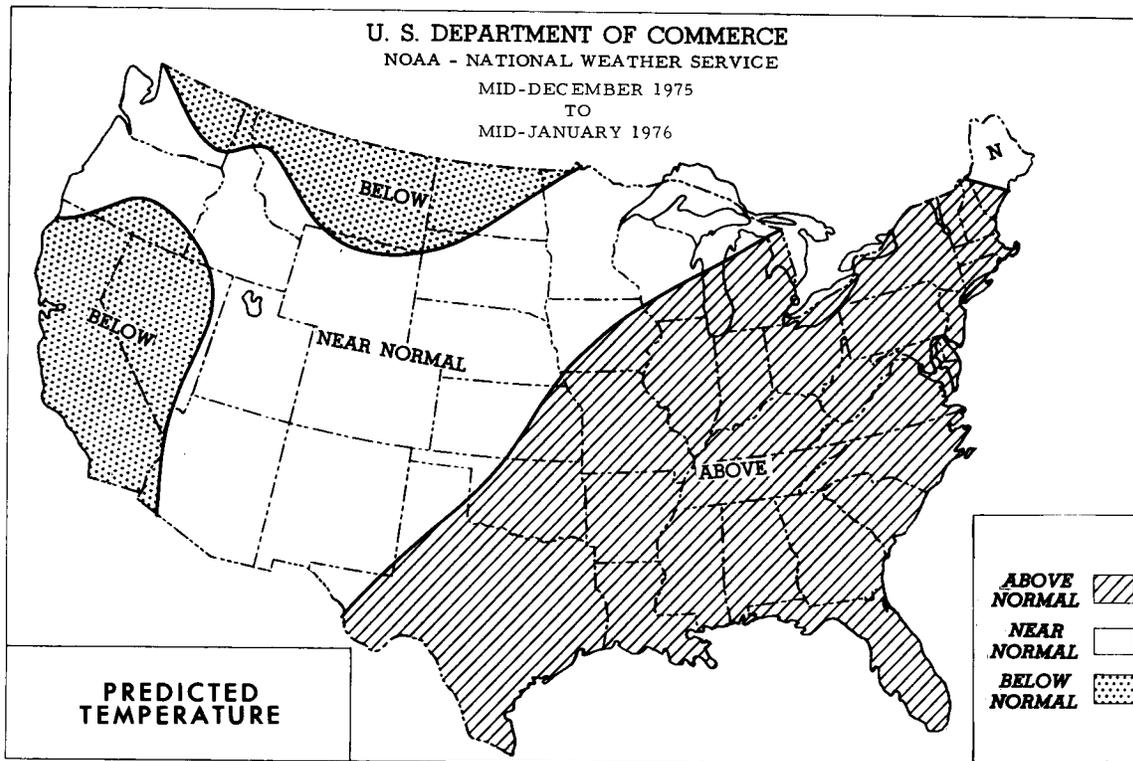
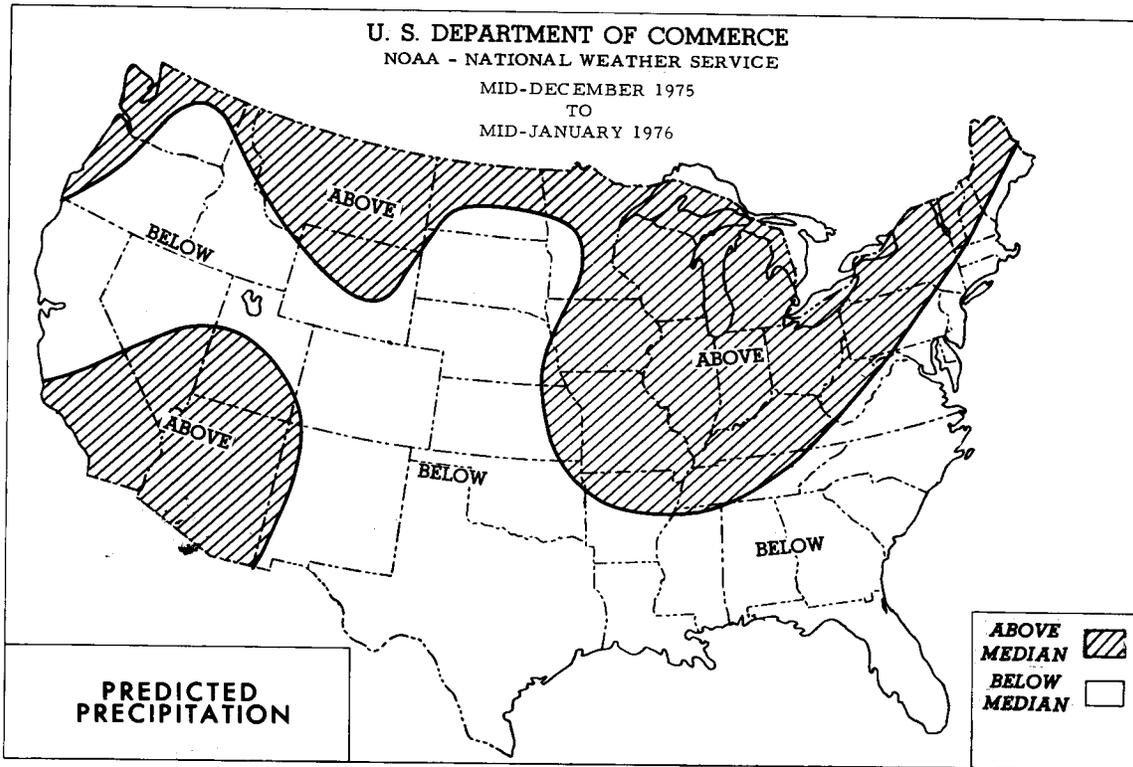


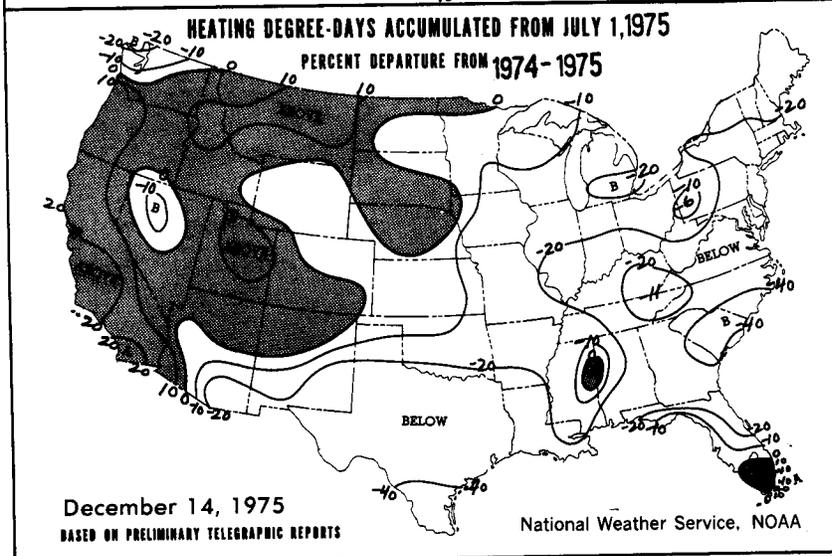
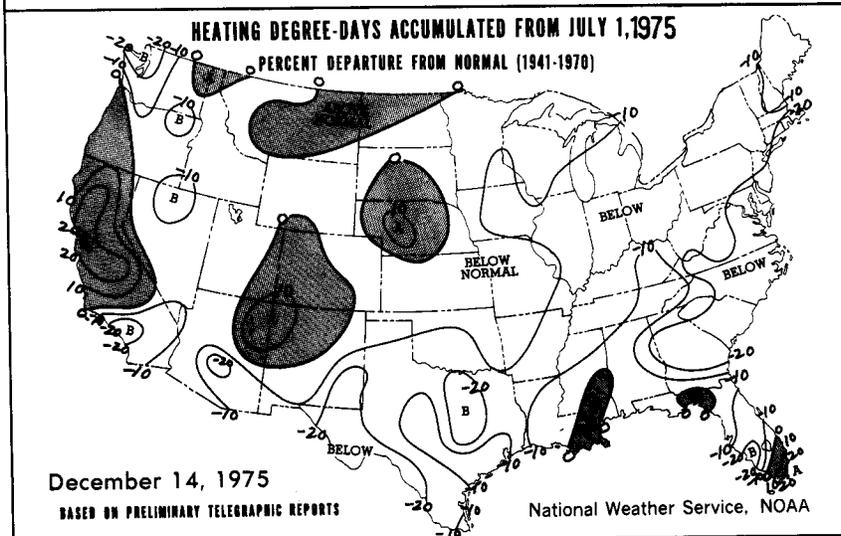
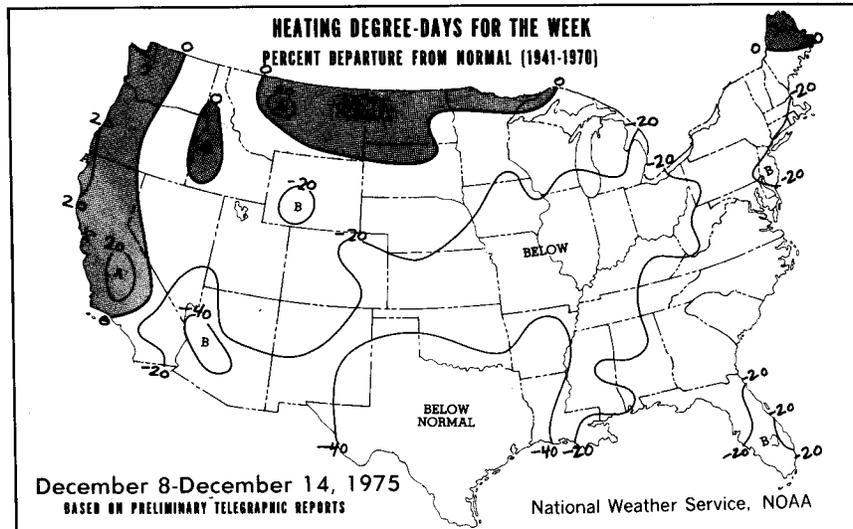






Average Monthly Weather Outlook







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Heating Degree Days (Base 65°) For Week Ending Dec. 14, 1975

States and Stations	Weekly		Seasonal † Accumulation		States and Stations	Weekly		Seasonal † Accumulation		States and Stations	Weekly		Seasonal † Accumulation				
	TOTAL	Departure*	TOTAL	Departure*		TOTAL	Departure*	TOTAL	Departure*		TOTAL	Departure*	TOTAL	Departure*			
ALA. Birmingham	100	-36	711	-85	-162	Portland	241	-26	1916	-164	-155	Tulsa	117	-52	871	-75	-117
Mobile	64	-19	355	-52	-146	MD. Baltimore	176	-27	948	-285	-247	OREG. Astoria	162	11	1749	3	209
Montgomery	107	-5	562	-52	-140	MASS. Boston	170	-47	1061	-332	-449	Burns	244	-10	2225	-20	138
ARIZ. Flagstaff	222	-20	2138	-130	-54	MICH. Alpena	233	-49	2167	-282	-296	Medford	199	12	1510	17	219
Phoenix	45	-38	270	-86	-26	Detroit	159	-89	1471	-255	-485	Pendleton	177	21	1358	-239	72
Tucson	80	-26	352	-48	-125	Flint	191	-58	1533	-399	-451	Portland	173	8	1325	-161	183
Winslow	186	-27	1473	-134	-76	Grand Rapids	218	-38	1703	-139	-477	Salem	186	22	1538	39	224
Yuma	45	-14	208	-10	-27	Houghton Lake	243	-45	2159	-257	-280	PA. Allentown	194	39	1272	-292	-358
ARK. Fort Smith	105	-53	865	-12	-139	Lansing	208	-50	1727	-163	-366	Erie	201	44	1564	-278	-376
Little Rock	52	-106	764	-129	-95	Marquette	264	-18	2177	-173	-174	Harrisburg	199	22	1168	-236	-336
CALIF. Bakersfield	140	24	611	60	121	Muskegon	196	-52	1625	-239	-361	Philadelphia	159	44	906	-334	-287
Eureka	137	25	1862	145	199	S. St. Marie	253	-52	2464	-187	-366	Pittsburgh	185	51	1498	-169	-99
Fresno	158	28	895	210	236	MINN. Duluth	337	-6	2883	-18	-200	Scranton	192	53	1375	-361	-358
Los Angeles	49	-11	263	-141	38	Internat'l Falls	415	33	3124	-29	51	R.I. Providence	183	46	1332	-210	-315
Red Bluff	144	-18	838	175	92	Minneapolis	267	-49	2025	-312	-257	S.C. Charleston	104	3	432	-117	-250
San Diego	54	-1	262	-47	53	Rochester	249	-63	2031	-272	-304	Columbia	138	7	437	-266	-371
San Francisco	112	9	1068	192	186	St. Cloud	323	10	2531	14	-19	Greenville	139	14	748	-121	-308
Stockton	151	20	824	120	114	MISS. Jackson	78	-31	562	0	-13	S. DAK. Aberdeen	331	3	2204	-235	-81
COLO. Denver	168	-54	1693	-38	-142	Meridian	103	-14	683	15	7	Huron	296	13	2248	-2	67
Grand Junction	208	-34	1703	94	141	MO. Columbia	153	-65	1251	-91	-290	Rapid City	256	6	2094	-1	85
Pueblo	185	-34	1557	14	52	Kansas City	164	-56	1264	-78	-202	Sioux Falls	285	20	2181	-25	20
CONN. Bridgeport	169	-42	1028	-247	-323	St. Louis	150	-56	1152	-104	-286	TENN. Chattanooga	148	16	941	-50	-245
Hartford	208	-43	1354	-339	-502	Springfield	225	-71	1173	-63	-193	Knoxville	145	16	924	-47	-120
DEL. Wilmington	168	-38	1008	-252	-324	MONT. Billings	263	5	2145	27	82	Memphis	95	56	686	-177	-147
D.C. Washington	154	-34	748	-326	-294	Glasgow	351	29	2632	38	325	Nashville	109	59	836	-177	-230
FLA. Apalachicola	68	-1	303	-7	-28	Great Falls	321	61	2398	133	380	TEX. Abilene	70	54	603	-61	-219
Daytona Beach	35	-14	155	-35	-50	Havre	352	36	2553	-110	252	Amarillo	107	73	1034	-104	-229
Ft. Myers	17	6	65	-23	0	Helena	254	-29	2611	53	131	Austin	94	51	311	-93	-189
Jacksonville	68	2	301	-1	-120	Kaliispell	249	-33	2613	-225	86	Brownsville	11	17	86	8	91
Key West	0	0	2	2	1	Miles City	313	23	2359	65	237	Corpus Christi	22	23	150	-20	-109
Lakeland	29	-6	119	-16	-23	Missoula	260	15	2549	-30	252	Del Rio	33	52	282	-96	-162
Miami	10	4	43	8	15	NEBR. Grand Island	240	-17	1843	71	75	El Paso	106	35	690	-76	-191
Orlando	27	8	117	-16	-39	Lincoln	204	-50	1611	-73	-77	Fort Worth	38	76	408	-155	-195
Tallahassee	81	2	405	12	-166	Norfolk	258	17	1945	19	93	Galveston	29	25	195	-21	-73
Tampa	29	6	127	-11	-6	North Platte	247	13	2213	246	137	Houston	31	39	311	1	-80
W. Palm Beach	12	2	52	2	-2	Omaha	191	-59	1484	-126	-237	Lubbock	92	69	798	-170	-306
GA. Atlanta	127	-20	580	-256	-316	Valentine	268	8	2194	101	158	Midland	68	61	599	-86	-124
Augusta	118	-10	428	-264	-443	NEV. Ely	230	-16	2345	-46	45	Beaumont	42	31	309	-48	-167
Macon	108	-6	423	-181	-243	Las Vegas	88	-47	619	-70	17	San Angelo	51	61	533	-53	-108
Savannah	95	6	319	-186	-284	Reno	225	5	1874	7	42	San Antonio	35	44	940	-19	-151
IDAHO. Boise	240	16	1648	90	101	Winnemucca	244	-12	1799	-260	-197	Victoria	25	35	230	-19	-78
Lewiston	211	6	1579	-108	158	N.H. Concord	246	27	2155	91	-172	Waco	32	69	362	-120	-217
Pocatello	228	-31	2065	-47	-2	N.J. Atlantic City	153	51	1215	-43	-154	Wichita Falls	69	71	605	-123	-193
ILL. Cairo	108	-68	856	-152	-220	Trenton	159	-46	983	-260	-298	UTAH. Salt Lake City	202	35	1606	-145	174
Chicago	193	-64	1338	-239	-324	N.MEX. Albuquerque	167	-31	1309	84	19	VT. Burlington	252	34	1889	-262	-354
Moline	191	-68	1460	-248	-318	Roswell	99	78	820	-278	-331	VA. Lynchburg	174	12	1002	-164	-302
Peoria	194	-57	1490	-153	-260	N.Y. Albany	127	-48	1576	-288	-501	Norfolk	127	28	644	-203	-223
Rockford	223	-49	1750	-116	-155	Binghamton	216	-55	1772	-242	-441	Richmond	160	18	801	-242	-420
Springfield	167	-67	1264	-218	-308	Buffalo	206	-46	1557	-284	-326	Roanoke	170	20	954	-229	-385
IND. Evansville	135	-67	1081	-183	-264	New York	159	-40	952	-212	-303	WASH. Quillayute	192	24	1484	-551	-364
Fort Wayne	186	-61	1470	-217	-346	Rochester	180	-40	1544	-230	-428	Seattle-Tacoma	173	5	1323	-347	-124
Indianapolis	165	-55	1858	-158	-214	Syracuse	198	-53	1586	-151	-404	Spokane	242	3	2178	14	173
South Bend	177	-73	1361	-382	-286	N.C. Asheville	166	-15	1120	-111	-155	Walla Walla	177	11	1294	-164	-19
IOWA. Burlington	197	-55	1430	-211	-346	Hatteras	110	-6	431	-142	-239	Yakima	229	1	1813	-98	123
Des Moines	196	-74	1457	-338	-304	Charlotte	150	-4	724	-154	-359	W. VA. Beckley	172	-50	1297	-357	-492
Dubuque	229	-55	1858	-158	-214	Greensboro	181	-13	837	-232	-301	Charleston	149	48	1072	-210	-452
Sioux City	239	-41	1880	-25	-38	Raleigh	155	9	765	-200	-379	Huntington	142	57	1058	-221	-357
KANS. Concordia	178	-57	1391	-119	-81	Wilmington	106	-13	412	-182	-214	Parkersburg	163	41	1222	-85	-239
Dodge City	180	-55	1292	-80	-43	N. Dak. Bismarck	336	3	2543	-57	-217	WIS. Green Bay	256	43	2144	-119	-253
Goodland	186	-53	1611	-146	-205	Fargo	375	7	2508	-103	-131	LaCrosse	245	47	1921	-103	-145
Tupoka	180	-64	1271	-138	-147	Williston	345	39	2793	103	191	Madison	231	61	1855	-320	-226
Wichita	161	-46	1206	-42	-34	OHIO. Akron-Canton	188	-66	1425	-265	-297	Milwaukee	204	73	1921	-401	-351
KY. Lexington	158	-43	1197	91	-261	Cleveland	153	-59	1319	-259	-245	WYO. Casper	236	30	2172	78	-331
Louisville	123	-78	984	-282	-382	Columbus	176	-59	1319	-259	-245	Cheyenne	214	32	2095	-83	-131</