

WEEKLY WEATHER AND CROP BULLETIN

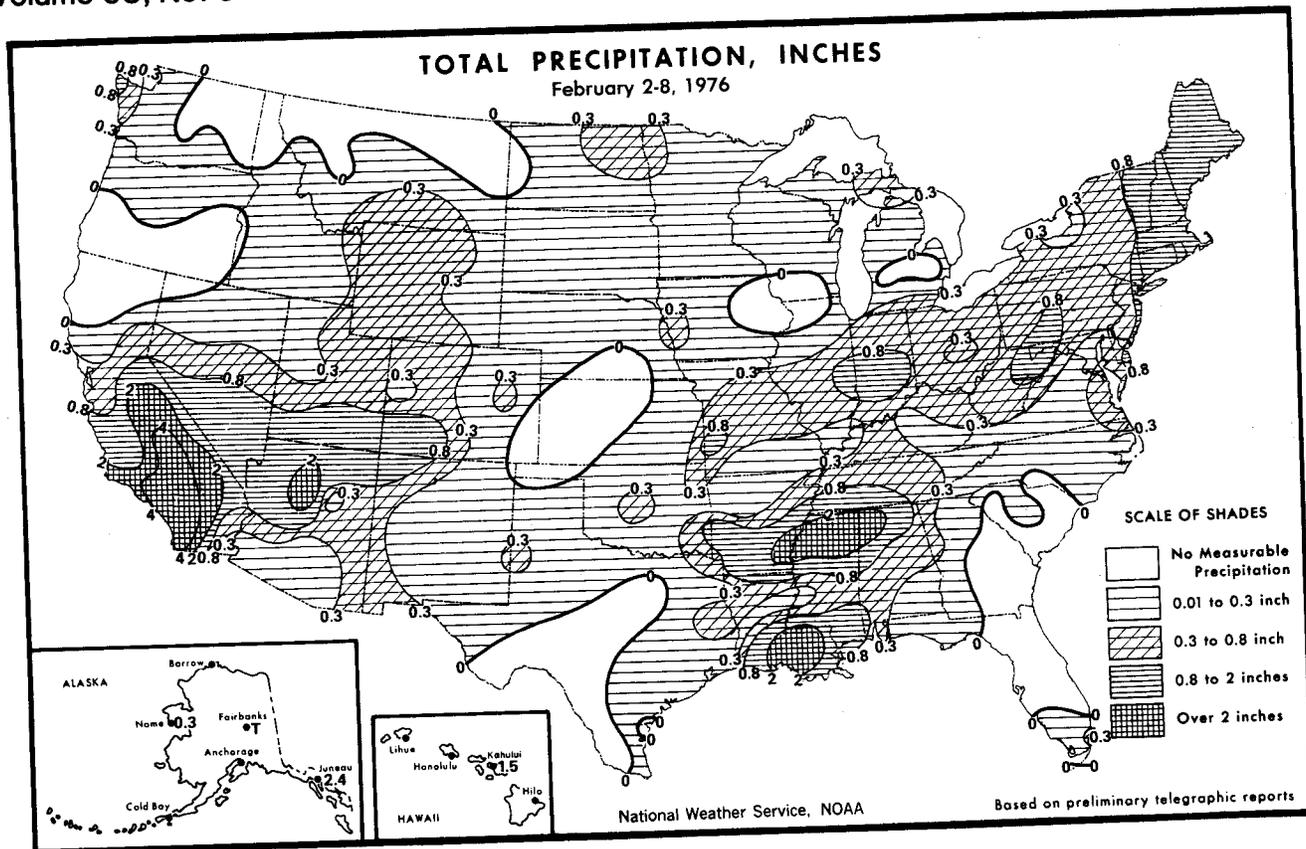
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National Weather Summary

For the week of February 2-8

HIGHLIGHTS: Few large sections of the Nation escaped a series of winter storms that battered the U.S. during the week. Bitter cold, wind-swept snow, and icy roads plagued travelers in the Northeast and High Plains. Weekly temperatures slipped as much as 12° below normal in the Northwest, middle Mississippi Valley, and lower Great Lakes region. Rains that broke a prolonged dry spell in southern California highlighted the week's precipitation.

Fast moving storm systems that struck eastern and central U.S. over the weekend continued their attack on Monday. Hurricane force winds drew much colder air over the Atlantic Coast States and moderate to heavy rains accompanied a storm moving northward along the seaboard.

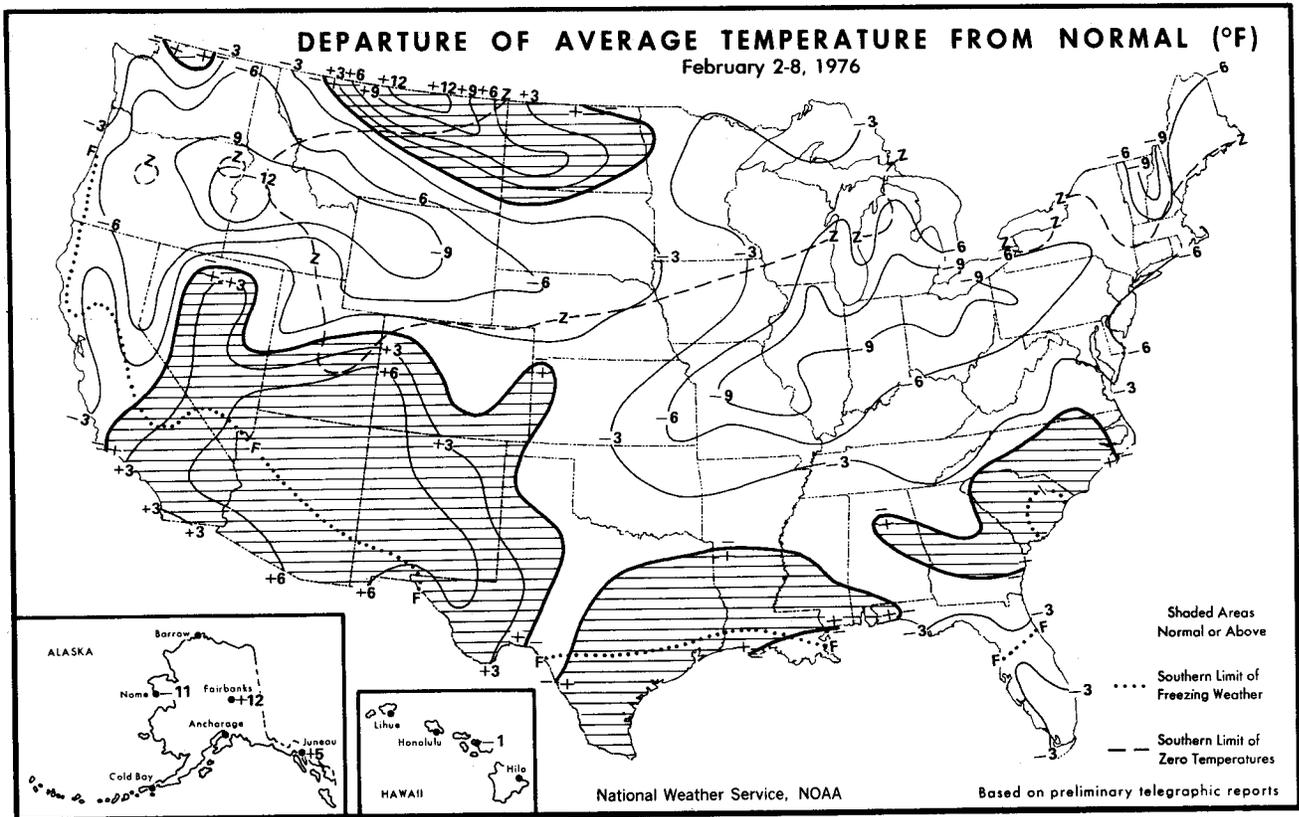
An intense low implanted over northern Maine gave the Northeast the worst beating of the winter so far. Wind gusts to 70 mph and record breaking

cold paralyzed the area. Blowing and drifting snow blinded travelers with near zero visibilities.

High winds plus bitter cold air throughout New England and southeast New York, into Pennsylvania, and through New Jersey lowered temperatures as much as 30° in a matter of hours. At 7 a.m. Boston forecasters cited a reading of 50° with showers; by noon they reported 20° with snow.

Though the intense low had pushed well into Canada by evening, the Northeast still experienced effects of the storm. Snowfall diminished in New York and New England but winds to 40 mph still churned snow throughout the area. In the aftermath of the storm portions of New Hampshire and Maine waded through 8 inches of new snow cover. Much colder readings that spread across the Northeast were assisted by strong winds that created wind chill temperatures of -40 to -50° in some areas.

The northern Plains had its share of severe weather on Tuesday, when an arctic air mass with



powerful winds, bitter cold, and blinding snow swept into the eastern Dakotas and western Minnesota. Temperatures tumbled rapidly. The mercury read 34° at 9 a.m. in Aberdeen, S. Dak., but plunged to only 18° after the cold front passed through the area.

Meantime a low pressure center over southeast Oregon pulled a surge of cold air into northern portions of the Rockies and the Plains. Snow developed from southern Montana and Wyoming into sections of South Dakota and Nebraska. Moving southward the snow and cold forced western Nebraska to issue a stockman's advisory.

A bright spot on the weather scene: Though amounts measured less than 1/4 inch, rain finally broke the prolonged dry spell for extreme southern California. On Wednesday the showers extended to northern portions of the State.

Meantime the western winter storm still pounded the intermountain region from Utah to northern Arizona, triggering heavy snow along the eastern Colorado foothills. Gusty winds whipped snow across all of Colorado east of the Continental Divide through eastern Wyoming and into much of the High Plains.

In the West an intense low over Nevada spread snow from the Sierra Nevada Mountains of California across the northern and central Rockies into the west central Plains. Over a foot of snow was measured in the Lake Tahoe area and up to 8 inches in sections of Colorado, Utah, and Nevada. Blowing snow from strong winds circulating around the storm impeded travel throughout much of the western U.S.

Two principal winter storms produced a variety of severe weather across much of the Nation on Thursday. One low pressure center moving into the central Appalachians generated a band of snow, freezing rain, and sleet from the central Missis-

sippi Valley into southern New England. The other was comprised of several low pressure centers scattered from Utah to the central California Coast.

Meanwhile the western winter storm piled more snow on parts of Arizona and Utah. By Friday, some places southeast of Flagstaff, Ariz. looked out on up to 2 1/2 feet of snow. Outbreaks of wintry weather included showers and isolated thunderstorms with snow at higher elevations from the central and southern Pacific Coast into the Plateau region.

East of the Mississippi River, weather conditions showed some promise. Snow diminished along the upper Great Lakes and at midday was scattered from the lower Great Lakes into southern New England and the middle Atlantic Coast.

Generally cold temperatures greeted most of the Nation on Saturday morning. Frost even crept into the Carolinas, southern Mississippi, Louisiana, and southern Texas.

Abundant sunshine over the Nation's interior, however, encouraged back-to-normal temperatures in the afternoon. Clocked at nearly 60 mph, Chinook winds flowing downslope from the Rockies boosted temperatures 30° in places. Daytime readings warmed into the 60's in western Kansas.

In the Far West the low pressure center off the California Coast brought more moist air to southwest U.S. over the weekend. Precipitation elsewhere was limited to snow showers over the northern Appalachians, eastern Ohio Valley, and Great Lakes region.

On Sunday, gusty winds buffeted the lower Great Lakes and Ohio Valley regions and caused blowing and drifting snow in New York. Frosty morning temperatures in the Southeast (Tallahassee, Fla., low of 20°) continued cool during the day. Afternoon temperatures halted in the 40's and 50's along the Gulf and southern Atlantic Coasts with some readings in the 60's in southern Florida.

National Agricultural Summary

For the Week of February 2-8

HIGHLIGHTS: Southern California finally received much-needed moisture but most of the Great Plains remained thirsty last week. Precipitation fell in the extreme Northwest, the Rocky Mountains, and most of the eastern third of the Nation. The Great Plains winter wheat belt is suffering from both low moisture and a lack of snow cover. Mild temperatures melted most of the snow, exposing dry soils and the wheat crop to possible wind damage. Temperatures remained above normal in parts of Montana and North Dakota and the southern half of the United States except Florida. Elsewhere temperatures were below normal, particularly in the eastern North Central States. Grasslands deteriorated from the dry weather and low temperatures required supplemental feeding of cattle.

SMALL GRAINS: The Great Plains winter wheat crop deteriorated because of dry soils and virtually no snow cover. Already wind has caused some damage in the southern Plains. Spring seeding was at a standstill. The crop needs both moisture and snow cover. In Kansas winter wheat condition was good in the eastern third of the State but fair to poor elsewhere. Short vegetative cover and soil moisture in the western two-thirds of the State made the crop susceptible to blowing. Limited blowing occurred in southwest Kansas. Low temperatures stopped wheat growth in Oklahoma. Drought, insects, and wind claimed some of the crop. More acreage was sprayed to control insects. Spring seeded oats and barley also need moisture. Slow growth of Texas wheat and oats provided subnormal grazing in most areas. Small grains need warmer temperature and more moisture for good growth. Greenbug infestations required control sprays.

In Washington, some winterkill is expected because snow cover is not adequate to protect the crop from extreme weather conditions. Ice cover continues to threaten Indiana's small grain crops. Condition of small grains was fair to good in the Atlantic Coast States but only poor to fair across the South.

OTHER CROPS: The Florida sugarcane harvest made average progress for this time of year. Cold weather killed a large acreage of new plants and stubble cane back to the ground line but recovery is expected. Sugarbeet plantings continued in California. Arizona beets made good growth.

Tobacco plant bed preparation continued in South Carolina, North Carolina, and Virginia. Georgia tobacco plants were in fair condition. Only the Lexington burley market remained open in Kentucky.

The Texas flax crop grew well where moisture was adequate but remained stunted on dry soils. Cotton seedbed preparation continued in Texas

and Arizona. Some early sorghum was seeded in the Lower Rio Grande Valley.

Land preparation for potatoes neared completion in the Texas High Plains. Planting of the potato crop began in Alabama. In Florida an increasing volume of the crop moved to market. Harvest began in California. Potatoes moved from storage in northern producing areas.

FRUITS AND NUTS: Orchard pruning progressed in the Appalachian fruit areas but cold weather delayed pruning in Washington and Utah. Filberts bloomed in Oregon and almonds flowered ahead of normal in California. Early peaches bloomed in Arizona; orange harvest ended. Lemon and grapefruit harvests were active. Citrus tree condition was very good in Florida, where wilt is evident in some areas but irrigation offset the lack of rain. Harvest remains active. Damage from earlier cold weather showed up during grading. Rain delayed citrus harvest in California and halted irrigation in Southern California and the Lower San Joaquin Valley. Lemon sizing and navel orange sugar content improved. Texas Valencias and grapefruit moved to fresh and processing markets. Pruning and tying of caneberries progressed in Washington and Oregon.

VEGETABLES: California broccoli, cauliflower, carrots, and lettuce moved in good volume. Celery and artichoke supplies were light. Asparagus harvest advanced. Cannery tomato transplanting continued in the desert areas.

Texas cabbage, carrot, and lettuce harvests were active. Watermelon and cantaloup planting advanced in the Lower Rio Grande Valley and the Coastal Bend. Onions made excellent progress with harvest in the Rio Grande Valley to begin next week. Land preparation was underway for tomatoes in Central Texas and for onions in the High Plains.

Florida vegetable crops began a slow recovery late in the week. Supplies of snap beans, sweet corn, and peppers declined. Cucumber, eggplant, greens, squash, and tomato volumes were steady. Cabbage, carrot, celery, radish, and strawberry supplies increased. Washington rhubarb harvest began. South Carolina greens moved to market. Planting preparations began for squash, tomatoes, and cabbage transplants.

PASTURES AND LIVESTOCK: Cattle required supplemental feeding in all areas as grasslands were unable to provide adequate forage. Rain in some areas should aid range conditions in the West. Feed supplies are adequate. Cattle were moved to feedlots early where grazing was poor. Lambing and calving was in full swing, past the halfway mark in Texas, and underway in other areas. Cold temperatures were hard on newborn animals, but no unusual losses occurred.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., February 8, 1976

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 . . .	47	+1	.5	-.7	La. Baton Rouge . . .	53	+1	3.6	+2.5	Youngstown . . .	16	-9	.5	-.1
Mobile . . .	53	0	.7	-.4	Lake Charles . . .	55	+1	.9	-.2	OKLA. Okla. City . . .	37	-2	.3	-.0
Montgomery . . .	48	-1	.3	-.7	New Orleans . . .	53	-1	1.9	+.8	Tulsa . . .	34	-5	.2	-.2
ALASKA. Anchorage . . .	---	---	---	---	Shreveport . . .	51	+2	.2	-.7	OREG. Astoria . . .	44	+1	2	-1.9
Barrow . . .	---	---	---	---	MAINE. Caribou . . .	5	6	1.1	+.6	Burns . . .	22	-7	0	-.3
Fairbanks . . .	6	+12	T	-.1	Portland . . .	18	3	1.3	+.5	Medford . . .	34	-6	.1	-.6
Juneau . . .	31	+5	2.4	+1.5	MD. Baltimore . . .	29	-5	.2	-.5	Pendleton . . .	26	-11	.1	-.2
Kodiak . . .	---	---	---	---	MASS. Boston . . .	26	-3	.9	+.1	Portland . . .	37	-4	T	-1.1
Nome . . .	-5	-11	.3	+.1	Chatham . . .	27	---	1.3	---	Salem . . .	35	-7	T	-1.3
ARIZ. Flagstaff . . .	37	+8	3.4	+3.0	MICH. Alpena . . .	13	-4	.2	-.2	PA. Allentown . . .	23	-5	.6	-.1
Phoenix . . .	62	+8	.1	0	Detroit . . .	15	-10	.2	-.2	Erie . . .	18	-6	.3	-.2
Tucson . . .	60	+8	.2	+.1	Flint . . .	16	-6	T	-.4	Harrisburg . . .	26	-5	.4	-.3
Winslow . . .	45	+8	T	-.1	Grand Rapids . . .	16	-7	T	-.4	Philadelphia . . .	27	-6	.3	-.2
Yuma . . .	62	+4	.2	+.1	Houghton Lake . . .	10	-7	.2	-.1	Pittsburgh . . .	20	-8	.6	0
ARK. Fort Smith . . .	38	-4	T	-.7	Lansing . . .	13	-10	T	-.4	Scranton . . .	21	-5	.4	-.1
Little Rock . . .	40	-1	.6	-.5	Marquette . . .	15	-3	.2	-.2	R.I. Providence . . .	22	-6	1.3	+.5
CALIF. Bakersfield . . .	52	+1	1.0	+.7	Muskegon . . .	21	-2	.1	-.4	S.C. Charleston . . .	49	0	0	-.7
Eureka . . .	44	-4	T	-1.4	S. Ste. Marie . . .	10	-4	.5	+.1	Columbia . . .	49	+3	T	-.8
Fresno . . .	46	-2	2.5	+2.1	MINN. Duluth . . .	6	-4	T	-.2	Greenville . . .	44	+1	0	-1.0
Los Angeles . . .	62	+4	2.7	+2.0	Internat Falls . . .	1	-3	T	-.2	S.D. Aberdeen . . .	10	-2	.3	+.2
Red Bluff . . .	48	-1	0	-.9	Minneapolis . . .	10	-4	.2	0	Huron . . .	10	-5	.2	+.1
San Diego . . .	59	+3	4.1	+3.7	Rochester . . .	12	-2	T	-.1	Rapid City . . .	19	-5	.2	+.1
San Francisco . . .	46	-4	.4	-.4	St. Cloud . . .	5	-5	.2	0	Sioux Falls . . .	13	-4	.2	0
Stockton . . .	47	-1	.6	0	MISS. Jackson . . .	50	+2	.3	-.8	TENN. Chattanooga . . .	39	-3	.3	-1.0
COLO. Denver . . .	31	-1	.1	0	Meridian . . .	47	-1	.5	-.6	Knoxville . . .	37	-4	.2	-1.0
Grand Junction . . .	37	+6	.2	+.1	MO. Columbia . . .	22	-10	.6	+.2	Memphis . . .	41	-1	1.3	+.1
Pueblo . . .	32	-1	.1	0	Kansas City . . .	23	-8	.3	0	Nashville . . .	37	-3	.4	-.7
CONN. Bridgeport . . .	25	-5	1.3	+.7	St. Louis . . .	22	-11	.7	+.2	TEX. Abilene . . .	45	-1	.1	-.2
Hartford . . .	22	-3	1.3	+.5	Springfield . . .	30	-5	.2	-.3	Amarillo . . .	37	-1	.1	0
D.C. Washington . . .	32	-4	1.2	-.4	MONT. Billings . . .	20	-5	.6	+.5	Austin . . .	53	+1	T	-.8
FLA. Apalachicola . . .	52	-3	T	-.9	Glasgow . . .	23	+1	T	-.1	Beaumont . . .	56	+2	.1	-1.0
Daytona Beach . . .	55	-4	T	-.7	Great Falls . . .	22	-3	.2	0	Brownsville . . .	62	0	T	-.4
Ft. Myers . . .	61	-3	T	-.4	Havre . . .	27	+12	T	-.1	Corpus Christi . . .	60	+2	T	-.5
Jacksonville . . .	53	-2	T	-.9	Helena . . .	17	-6	T	-.1	Dallas . . .	---	---	---	---
Key West . . .	68	-3	0	-.5	Kalispell . . .	18	-5	T	-.3	Del Rio . . .	52	-2	T	-.3
Lakeland . . .	60	-1	0	-.6	Miles City . . .	21	-2	.1	0	El Paso . . .	52	+5	.3	+.2
Miami . . .	65	-2	.4	-.1	Missoula . . .	21	-4	T	-.2	Fort Worth . . .	47	0	T	-.6
Orlando . . .	57	-4	T	-.7	NEBR. Grand Island . . .	24	-1	T	-.1	Galveston . . .	56	+1	T	-.7
Tallahassee . . .	51	-3	T	-1.1	Lincoln . . .	24	-1	.1	-.1	Houston . . .	54	0	T	-.9
Tampa . . .	57	-4	T	-.6	Norfolk . . .	18	-4	.1	-.1	Lubbock . . .	42	+1	T	-.1
W. Palm Beach . . .	62	-3	0	-.6	N. Platte . . .	21	-5	.1	0	Midland . . .	50	+4	.2	+.1
GA. Atlanta . . .	42	-2	.1	-.9	Omaha . . .	22	-1	.3	+.1	San Angelo . . .	49	0	T	-.2
Augusta . . .	47	0	T	-.9	Valentine . . .	18	-5	.1	0	San Antonio . . .	55	+2	T	-.5
Macon . . .	49	0	T	-1.0	NEV. Ely . . .	25	-1	.6	+.5	San Antonio . . .	56	+1	.1	-.5
Savannah . . .	53	+2	0	-.6	Las Vegas . . .	53	+6	1.8	+1.7	Victoria . . .	50	+1	T	-.6
HAWAII. Hilo . . .	---	---	---	---	Reno . . .	28	-8	T	-.2	Waco . . .	50	+1	T	-.6
Honolulu . . .	---	---	---	---	Winnemucca . . .	33	+1	.6	+.4	Wichita Falls . . .	42	-2	.1	-.2
Kahului . . .	70	-1	1.5	+.8	N.H. Concord . . .	12	-9	1.0	+.4	UTAH. Blanding . . .	38	+7	1.1	+.8
Lihue . . .	---	---	---	---	N.J. Atlantic City . . .	25	-8	1.2	+.4	Salt Lake City . . .	27	-4	.7	+.4
IDAHO. Boise . . .	21	-12	.1	-.2	Trenton . . .	27	-5	.7	+.1	VT. Burlington . . .	13	-4	.8	+.4
Lewiston . . .	29	-7	T	-.2	N.MEX. Albuquerque . . .	44	+8	T	-.1	VA. Lynchburg . . .	33	-4	.1	-.5
Pocatello . . .	22	-5	.1	-.1	Roswell . . .	49	+6	T	-.1	Norfolk . . .	39	-1	.5	-.3
ILL. Cairo . . .	30	-8	.2	-.7	N.Y. Albany . . .	18	-5	.8	+.3	Richmond . . .	36	-2	.5	-.2
Chicago . . .	17	-8	.1	-.3	Binghamton . . .	15	-7	.6	0	Roanoke . . .	34	-3	T	-.7
Moline . . .	18	-5	T	-.3	Buffalo . . .	17	-6	.6	-.1	WASH. Colville . . .	22	-6	0	-.4
Peoria . . .	16	-10	.1	-.3	New York . . .	27	-5	1.2	+.5	Omak . . .	27	0	0	-.3
Rockford . . .	13	-9	T	-.3	Rochester . . .	19	-5	.3	-.3	Quillayute . . .	39	-2	.8	-2.3
Springfield . . .	20	-8	.6	+.2	Syracuse . . .	19	-4	.3	-.4	Seattle-Tacoma . . .	38	-3	T	-1.1
IND. Evansville . . .	26	-8	.1	-.7	N.C. Asheville . . .	35	-3	.1	-.7	Spokane . . .	24	-6	T	-.5
Ft. Wayne . . .	17	-9	.3	-.2	Charlotte . . .	44	+1	T	-.9	Walla Walla . . .	29	-9	.1	-.3
Indianapolis . . .	21	-8	1.4	+.8	Greensboro . . .	39	0	T	-.8	Yakima . . .	27	+6	T	-.2
South Bend . . .	16	-9	.3	-.2	Hatteras . . .	43	-2	T	-1.1	W.Va. Beckley . . .	28	-4	.4	-.4
IOWA. Burlington . . .	19	-6	.1	-.2	Raleigh . . .	41	0	.1	-.7	Charleston . . .	30	-5	.5	-.3
Des Moines . . .	20	-2	.1	-.1	Wilmington . . .	48	+1	.1	-.7	Huntington . . .	31	-4	.6	-.1
Dubuque . . .	15	-5	T	-.3	N.DAK. Bismarck . . .	17	+6	.1	0	Parkersburg . . .	27	-6	.5	-.2
Sioux City . . .	18	-3	.2	0	Fargo . . .	8	0	.3	+.2	WIS. Green Bay . . .	11	-5	.1	-.1
KANS. Concordia . . .	28	-1	T	-.2	Williston . . .	15	+4	T	-.1	La Crosse . . .	13	-5	.1	-.1
Dodge City . . .	32	-2	T	-.1	OHIO. Akron-Canton . . .	19	-7	.7	+.1	Madison . . .	12	-6	T	-.2
Goodland . . .	31	+1	T	-.1	Cincinnati . . .	25	-7	.4	-.3	Milwaukee . . .	15	-6	.1	-.2
Topeka . . .	26	-5	.1	-.1	Cleveland . . .	17	-10	.6	0	WYO. Casper . . .	17	-9	.3	+.2
Wichita . . .	30	-4	.1	-.1	Columbus . . .	20	-9	.2	-.4	Cheyenne . . .	24	-4	.3	+.2
KY. Lexington . . .	29	-5	.4	-.4	Dayton . . .	21	-8	.3	-.3	Lander . . .	13	-10	.5	+.4
Louisville . . .	29	-5	.2	-.6	Toledo . . .	15	-10	.5	+.1	Sheridan . . .	17	-7	.4	+.2
										P.R. San Juan . . .	76	+1	.1	-.6

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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: Temperatures near normal for week. High 76°, low 16°. Rainfall light to moderate.

Limited field work, some plowing. Main activities caring of livestock and poultry. Soil moisture adequate to surplus. Limited small grain growth. Livestock fair, heavy feeding continues. Planting Irish potatoes.

ARIZONA: Rain last week. Temperatures 4 to 10° above normal.

Preparations 1976 cotton crop underway. Rain benefited plantings. Wheat, barley, safflower, sugarbeets satisfactory progress. Alfalfa hay growth, harvest limited. Lettuce harvest Yuma County, replanting Maricopa County. Cantaloups planted Yuma County. Harvest early oranges nearly complete; lemon, grapefruit harvest active. Damaged foliage unprotected groves. Early peach varieties in bloom. Stock water, soil moisture replenished. Prospects normal, spring runoff feed conditions improved. Range feed low. Cattle, calves fair condition. Shipment fat lamb slaughter shipments moderate.

ARKANSAS: Temperatures below normal. Means ranged -8 to +3°. Extremes: 75 and 4°. Precipitation ample east, light northwest.

Fieldwork early week - stalk shredding, disking, plowing - slowed by showers weekend. East central area well along, west very dry. Wheat dormant. Pastures virtually gone. Heavy hay feeding, no shortage. Cattle in good shape. No winterkill in fruit trees.

CALIFORNIA: Continued dry northern border but precipitation midweek other areas continued into weekend. Amounts less than 0.25 in. Sacramento Valley to 1.00 to 2.00 in. sections San Joaquin Valley, south coast, southern Sierra Nevada, and mostly 0.50 in. or less low southeast deserts. Much cooler end of week with highs lowering to near 50 central valley, north and central coasts, and 60's low southeast deserts. Lows in 30's most low valleys except 40's southern California. Weekly averages near normal most coastal areas. Slightly above other areas.

Small grain helped by rain southern half State, condition north half still deteriorating. Planting sugarbeets. Field preparation active for spring planted crops. Rain halted irrigation southern California and lower San Joaquin Valley. Dormant spray resumed many areas. Pruning active northern areas, nearing completion in south. Almond bloom ahead of normal. Citrus harvest delayed by rain. Sugar content navel oranges improved. Sizing of lemons improved.

Beneficial rain fell in the Los Angeles Basin. Artichokes light central coast, asparagus starting Salinas. Broccoli and cauliflower good supply Santa Maria. Carrots steady, lettuce active Imperial Valley. Celery harvest slightly down south coast. Winter potato harvest light. Cannery tomatoes being planted desert areas. No forage gain. Cattle conditions continue to decrease.

COLORADO: Storm system brought colder temperatures light snow east. Snow averaged trace to 2 inches. Heavy snows central and southwestern mountains.

Temperatures averaged 5° to 9° above normal in Rio Grande and Colorado drainage basins. Mean

temperatures near normal to 3° below eastern areas.

Farm activities limited to care of livestock. Manure spreading and plowing east area. Livestock in good condition.

FLORIDA: Temperatures averaged 3 to 4° below normal with frost end of period. Rainfall spotty 1.00 in. or more north 0.25 to 0.50 in. elsewhere except 1.00 to 3.00 in. Miami-Homestead.

Soil moisture adequate west and north short central, south. Land preparation and liming increasing. Tobacco plant beds fair condition. Small grains poor condition. Sugarcane harvest in full swing, progress average. Large acreage of young plant and stubble cane killed back to ground by cold should recover. No cold damage to peach trees. Permanent pastures dormant. Small grains and rye putting on very little new growth. Pastures poor to good in Panhandle very poor to fair elsewhere. Cattle poor to fair. Supplemental feeding continues heavy. Citrus trees very good condition. Rain needed all areas. Irrigation being applied. Harvest very active. Vegetable crops began a slow recovery late in the week. Fruit damage from earlier cold continues to show up during grading. Frost caused little additional damage but strong winds caused minor leaf burn and whipped plants. Germination plant growth and maturity retarded. Total volume increased 4% from the previous week. Snap beans, sweet corn and peppers declined in supply. Cucumbers, eggplant, escarole-endive, lettuce, squash, and tomatoes in steady volume. Increasing were cabbage, carrots, celery, radishes, potatoes and strawberries. Watermelon acreage being planted and replanted.

GEORGIA: Temperatures 2 to 3° above normal most of north and central, near normal south. Low 40's in mountains mid to upper 40's north, low to mid 50's elsewhere. Rainfall 1.00 in. mountains and coast; near 0.25 in. extreme northwest to 0.75 in. south.

Soil moisture excessive. Small grains fair. Pastures and cattle poor to fair. Tobacco plants fair condition. Liming, harrowing, land breaking where conditions permitted.

HAWAII: Weather unfavorable. Heavy rains and strong winds Wednesday through weekend hampered farm operations.

Snap beans, cucumbers inundated. Banana, young papaya trees toppled by strong winds. Vegetable supplies adequate. Papaya, pineapple harvesting light.

IDAHO: Cooling trend, temperatures 3 to 11° below normal. Maximums first part 30's and 40's, minimums end period subzero to below zero. Heaviest precipitation southcentral and east. North and southwest precipitation 0.20 to 0.35 in. below normal.

Farm activity limited to feeding and caring livestock. Calving and lambing active. Cold weather hard newborn calves and lambs but no unusual losses. Mature livestock wintering well. Feed supplies adequate.

ILLINOIS: Temperatures 5 to 13° below normal. Coldest early in week. Precipitation trace to 0.10 in. north and central, 0.75 in. southwest, 1.00 to 3.00 in. snow extreme south.

Winter wheat, other small grains and legumes mostly good to excellent condition. Livestock doing well. Soil moisture mostly adequate. Farmwork: Livestock care, fertilizing wheat.

INDIANA: Severe ice and snow storm central and southern Indiana up to 0.50 in. of ice. Northern third subjected to drifting snow. Temperatures averaged 6° below normal and ranged from 8° below to 51°. Precipitation 1.40 in. central, 0.50 in. north and south.

Activities limited to snow removal, chores and caring for livestock. Ice cover in spots threatens to smother overwintering crops.

IOWA: Temperatures averaged 2 to 6° below normal. Cold weather dominated until warming weekend. Snowfall ranged from trace to 0.1 in.

Moisture and snow cover needed to reduce wind soil erosion.

Farm activities caring for livestock, fieldwork not started. Feed supplies generally adequate.

KANSAS: Precipitation trace or less west and north central 0.25 to 0.75 in. extreme southeast. Temperatures averaged 27° east central to 33°, southwest slightly below normal, north central to 4° below normal east central.

Wheat condition unchanged. Good eastern one-third. Fair to poor western two-thirds. Short vegetative cover and short moisture supplies western two-thirds. Crops subject to blowing. Limited blowing southwest, south central and central last week. Livestock on supplemental feed. Hay and roughage supplies adequate.

KENTUCKY: Temperatures below normal cold early, warmer midweek, colder end. Precipitation averaged 0.25 in.

Field activity minimum - soils frozen or too soft to support heavy equipment. Most livestock required supplemental feeding. Tobacco sales almost over, Lexington burley market open.

LOUISIANA: Temperatures 2 to 4° above normal west to near normal east. Mild first half of week, colder last half. Rain most sections heaviest southeast half. Extremes: 78 and 24°. Agricultural activities routine chores and machinery repair.

MARYLAND & DELAWARE: Temperature averaged 1 to 6° below normal. Highs, mid-40's to upper-50's; lows, 3° to mid-teens except western Maryland which recorded minus 10°. Precipitation 0.16 to 1.82 in. some snow.

Normal winter activities when milder weather permitted.

MICHIGAN: Very cold followed by near normal temperatures weekend. Lower peninsula temperatures averaged 2 to 4° below normal northwest to 10° below normal southeast. Upper peninsula temperatures averaged 1 to 3° below normal near Lake Superior to 9° below normal elsewhere. Precipitation 0.10 to 0.30 in.

Farm activities limited to feeding livestock and farm chores.

MINNESOTA: Cold until weekend temperatures averaging 2 to 5° below normal. Extremes: 35 below to 47° above. Precipitation near normal 0.10 to 0.20 in., except for north central, northeast, most of south central and southeast where less than 0.05 in. New snow fall generally 1 in. except for 2 to 4 in. central and western

areas. Recent strong winds caused some erosion of topsoil along southern border.

Farmwork limited to winter chores and livestock care.

MISSISSIPPI: Temperatures near normal. Extremes: 77 and 16°, greatest 24-hour rainfall 2.52 in.

Soil moisture supplies adequate to surplus. Fieldwork: 2.8 days. Winter wheat and oats poor to fair. Livestock fair condition. Hay, and roughage, and feed grain supplies short to adequate.

MISSOURI: Temperatures ranged 5 to 8° below normal. Precipitation averaged 0.22 in. in the Bootheel up to 0.53 in. in the northeast prairie.

Major farm activities care and management of livestock.

MONTANA: Cooling was short lived across the north as temperatures averaged 10 to 15° above normal. Elsewhere, temperatures averaged near to a few degrees below normal. Precipitation confined mostly to the extreme southern portion of the south central and southeast where amounts ranged from 0.2 to over 1.0 inches.

Winter wheat fair to good. Cold temperatures and strong winds put stress on the crop. Strong winds over central Montana caused soil erosion. Livestock condition good, on supplemental feed.

NEBRASKA: Temperatures well above normal first and last of period with near zero or below during midportion when temperatures averaged 17 to 31° below normal. Snow traces up to 4 to 6 in. first half of period. Most snow cover thawed by weekend.

NEVADA: Temperatures ranged from 5 to 8° below normal northwest to 4 to 6° above extreme south. Extremes: 3° below zero, 75°. Snow and/or rain all stations.

Usual winter chores. Recent snow increased supplemental feeding requirements.

NEW ENGLAND: Intense storm early week passed across eastern Massachusetts and western Maine. West of the storm track sharply falling temperatures and windswept snow.

NEW JERSEY: Daily temperatures averaged 20° below normal to 2° above normal. Extremes: -7 and 48°. Precipitation averaged 0.40 in. below normal.

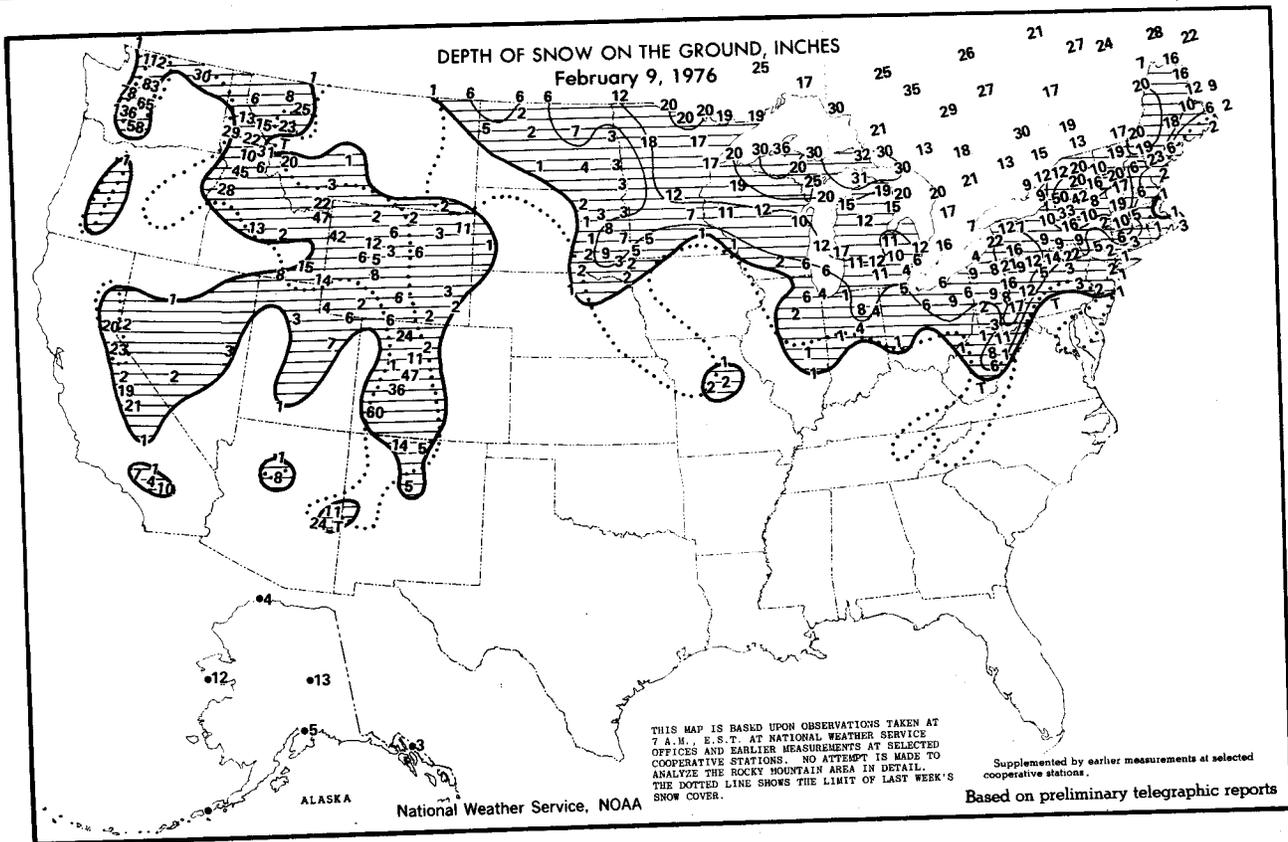
Farmers caring for livestock and winter chores.

NEW MEXICO: Modest precipitation statewide. Mild temperatures generally due to extensive cloudiness but very cold northeast and eastern border sections Thursday and Friday warming Saturday.

Some rain in most areas, soil moisture short. Dryland wheat poor to fair, irrigated wheat and barley mostly good. Greenbug populations at low levels. Land preparation for spring crops continued. Onions in Mesilla Valley good, ranges fair, some supplemental feeding. Some calving and livestock are fair to good condition.

NEW YORK: Brief severe blizzard followed by fair and colder temperatures. Light precipitation accompanied warming trend. Light snow and colder temperatures end of week. Temperatures below zero on five days. Extremes: 21 below and low 40's.

NORTH CAROLINA: Temperatures near normal.



Above normal precipitation ranging from 0.50 - 1.50 in.

Fieldwork: 2.0 days suitable. Soil moisture adequate to surplus. Small grains mostly fair. Pastures poor to good. Roughage and feed grain supplies adequate. Principle farmwork: Tobacco plant bed preparation, fruit tree pruning, cattle feeding and general maintenance.

NORTH DAKOTA: Temperatures averaged normal, ranging from 6° above normal northwest to 6° below normal north central. Extremes: 43 to -24°. Precipitation well above normal ranging from 0.71 in. above normal to 0.08 in. below normal. Greatest precipitation 0.80 in. Snow cover receding some areas.

Farmers hauling feed and seed supplies. Livestock on winter rations.

OHIO: Cloudy on 2d and 3rd. Minus 14° on 3rd new record for date. Snow over northern portion of State, freezing rain and sleet over central and rain in south on 5th. Colder end of week with snow flurries mainly north and east. Melting snow and freezing temperature potential problem to winter wheat.

OKLAHOMA: Temperatures averaged 4° below normal Panhandle to 2° above normal southeast. Precipitation light, 0.02 in. Panhandle to 0.34 in. southeast. Weekend cool to mild with scattered very light precipitation.

Sleet and snow did little to relieve dry soils. Wheat growth stopped by cold temperatures late in week. Moisture needed all areas. Drought, insects, and wind causing some loss. More acreage sprayed for insects. Spring seeding oats and barley near standstill till moisture received. Ranges short, supplemental feeding necessary. Cattle in fair condition. Marketing fairly active.

OREGON: Temperatures averaged 4° below normal. Extremes: 60's to 13 west, 50's to -21 east. Precipitation along coast trace, 0.01 in. or less western valleys, 0.15 in. or less east.

General winter farm activities continuing. Spraying, fertilizing fall seeded crops, pruning orchards, training berries. Filberts in bloom. Potatoes, onions moving from storage. Feed supplies adequate. Mild winter helping livestock remain in good condition.

PENNSYLVANIA: Cold week, temperatures 6-10° below normal. Extremes: 48 and -15°. Frequent snow flurries west and north. General snow Thursday with sleet and freezing rain south. Total precipitation 0.25 in. southeast to 1.00 in. southwest. Farmers doing winter chores.

PUERTO RICO: Average rainfall 0.88 in., 0.14 in. above normal. Highest total 2.82 in. Temperatures averaged 74° on coasts, 68° interior. Maximum 89, minimum 48°.

Sugarcane harvest started. Cleaning, cultivating coffee farms, some flowering. Tobacco harvesting and curing. Pastures need rains southern slopes, south coast. Bananas, vegetables, citrus, harvest active.

SOUTH CAROLINA: Temperatures above normal early; below normal late week. Some rainfall early week. Rainfall below normal most areas.

Land preparation, fertilization. Transplanting cabbage plants, some cold damage. Harvesting greens scattered areas. Tobacco bed seeding. Pruning, setting peach trees. Preparing land for squash, tomatoes Beaufort-Charleston areas.

SOUTH DAKOTA: Cold first of week and warm rest

of week. Temperatures averaged 5° below to 6° above normal. Extremes: -25°, 61°.

Winter wheat poor to fair west and south, fair to good elsewhere. Springlike weather last half of January eliminated nearly all snow cover in winter wheat belt. Low wells and well failures, forcing farmers to haul water in west and south.

TENNESSEE: Temperatures averaged 5 to 8° below normal, coldest beginning of week. Precipitation totals ranged 1.31 in. to 0.10 in. Snow Monday with 2 to 3 in. over northern half.

Feeding and caring for livestock main farm activities. Livestock in good condition with supplemental feeding.

TEXAS: Below normal rainfall; weekly totals under 0.10 in. except northeast less than 0.33 in. Above normal temperatures but arctic front lowered temperatures end of week.

Wheat oats making poor growth and subnormal grazing most areas. Greenbug problems most localities farmers spraying for control. Farmers preparing seedbeds for spring planting. Early stands sorghum seeded in lower Rio Grande Valley and early cotton fields planted next week. Wheat growth inadequate to support stocking rates. Livestock moving to feedlots to relieve overstocking.

Lower Rio Grande Valley cabbage and carrot harvest remains active. Onions good to excellent growth with harvest of few early fields mid-February. Watermelon and cantaloups planting continues. Lettuce cutting active. Coastal Bend watermelon planting continues. Moisture needed in some areas for dry land crop to be planted. San Antonio-Winter Garden cabbage and carrot harvest active. Central Texas land preparation under way for tomato and watermelon crops. Land preparation for potato and onion crop nearing completion in High Plains. Harvest of Valencias and grapefruit continues for fresh market and processing.

Ranges deteriorate, drouth conditions persist over much of State. Grazing declined almost to vanishing point heavy feeding required to maintain livestock condition. Some losses malnutrition, internal parasites, noted east Texas. Lambing calving full swing passed halfway mark. Range fires hazard.

UTAH: Moderate to locally heavy snow midweek most sections of State. Snow changing to rain southern portion freezing rain some northern valleys over weekend. Average temperatures extremely variable. Ranges 12° above to 8° below.

Care and feeding cattle and sheep on winter range lands, valley farms, feedlots, dairy herds and poultry flocks major activities. Some marketing of potatoes, apples, dry onions from storage. Farm flock lambing beginning. Early plowing,

ditch cleaning, orchard pruning delayed by snow and mud except extreme south.

VIRGINIA: Temperatures averaged 3° below normal. Extremes 63 and -2°. Precipitation light to moderate, averaged under 0.75 inches. Strong, gusty winds first of period.

Fieldwork: 1.4 days suitable, topsoil moisture: 51% surplus, 48% adequate, 1% short. Winter grains, grazing crops in good condition. Feeding, caring for livestock primary activity. Feeding increasing with harsh weather. Calving, lambing progressing normally. Fieldwork included liming, fertilizing, plowing, tobacco plantbed preparation, hauling manure, soil testing, fruit tree pruning.

WASHINGTON: West: Precipitation far below normal. Temperatures slightly below normal.

Harvesting forced rhubarb. Pruning and tying caneberries. East: Precipitation subnormal. Readings near to slightly subnormal.

Pruning in orchards slowed by cold weather. Winter wheat fields expect winterkill due to inadequate snow cover. Extent of damage dependent on forthcoming weather. Lambing and calving picking up. Feeding increased with cold weather.

WEST VIRGINIA: Temperatures below normal. Precipitation below normal except normal in central.

Soil moisture adequate. Small grains protected by some snow cover. Farm activities limited to feeding and care of livestock. Feed supplies adequate, cattle in good condition.

WISCONSIN: Week began cold with highs ranging from 5° above to low teens. Snow developed northwest late 2d and spread over State 3rd. Central area had 2 to 3 in. snow, with locally heavier amounts west central and north central but less than inch south. Skies clear to partly cloudy remainder of week. Below zero temperatures occurred in north on mornings of 5th and 6th. Highs ranged from 5° above north to low 20's southeast until 7th when temperatures moderated to upper 20's north and mid to upper 30's south. Strong westerly winds 7th caused blowing and drifting. Mild temperatures continued 8th.

WYOMING: Above normal temperatures early week highs mostly 40's and 50's, well below normal by end with lows below zero. Average temperature generally 4 to 6 degrees below normal. Most stations reported measurable precipitation many above normal.

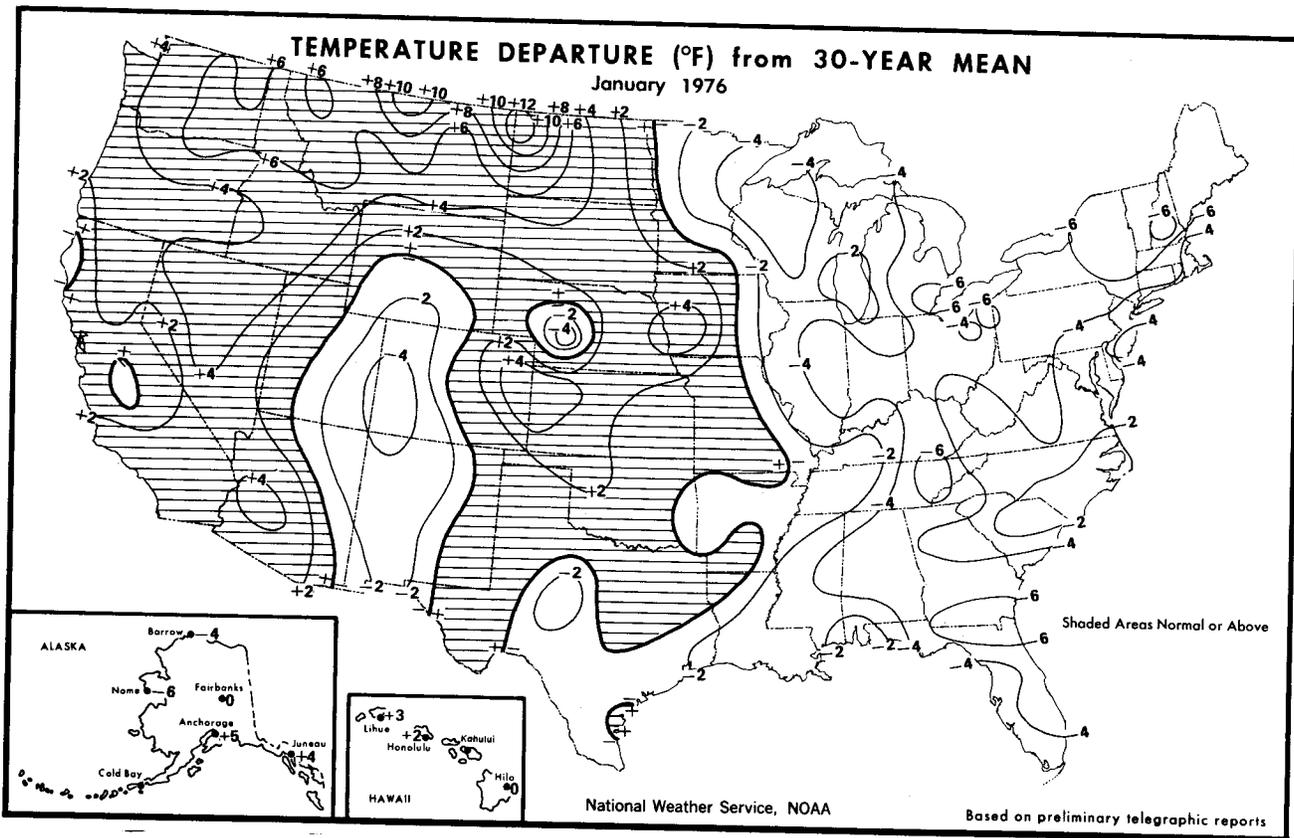
Major activity feeding livestock, some lambing, preparations for calving, some early calving. Winter wheat mostly good condition with snow cover or surface moisture.

Heating Degree Days (Base 65° F.)

January 1976

ALA. Birmingham	795	MAINE, Caribou	1841	OKLA. Okla. City	801
Mobile	475	Portland	1522	Tulsa	855
Montgomery	660	MD. Baltimore	1050	OREG. Astoria	642
ALASKA, Anchorage	1485	MASS. Boston	1198	Burns U.	1150
Barrow	2609	Chatham	1106	Medford	807
Fairbanks	2372	MICH. Alpena	1621	Pendleton	791
Juneau	----	Detroit	1413	Portland	698
Nome	2015	Flint	1446	Salem	547
ARIZ. Flagstaff	1059	Grand Rapids	1420	PA. Allentown	1262
Phoenix	296	Houghton Lake	1575	Erie	1361
Tucson	378	Lansing	1469	Harrisburg	1150
Winslow	988	Marquette U	1525	Philadelphia	1120
Yuma	257	S. Ste. Marie	1275	Pittsburgh	1278
ARK. Fort Smith	863	MINN. Duluth	1867	Scranton	1322
Little Rock	771	Internatl Falls	2025	R. I. Providence	1283
CALIF. Bakersfield	463	Minneapolis	1650	S. C. Charleston	624
Eureka U.	569	Rochester	1615	Columbia	662
Fresno	636	St. Cloud	1828	Greenville	828
Los Angeles U	190	MISS. Jackson	635	S. DAK. Aberdeen	1638
Red Bluff	547	Meridian	686	Huron	1561
Stockton	612	MO. Columbia	1121	Rapid City	1269
San Diego	196	Kansas City	1155	Sioux Falls	1528
San Francisco	504	St. Louis	1137	TENN. Chattanooga	934
COLO. Denver	1006	Springfield	997	Knoxville	944
Grand Junction	1335	MONT. Billings	1186	Memphis	783
Pueblo	1049	Glasgow	1583	Nashville	870
CONN. Bridgeport	1174	Great Falls	1192	TEX. Abilene	692
Hartford	1403	Havre	1313	Amarillo	861
D. C. Washington	956	Helena	1236	Austin	476
FLA. Apalachicola	476	Kalispell	1261	Beaumont	464
Ft. Myers	164	Miles City	1426	Brownsville	215
Jacksonville	498	Missoula	1141	Corpus Christi	275
Key West	38	NEBR. Grand Island	1251	Del Rio	456
Lakeland U.	254	Lincoln	1255	El Paso	696
Miami	93	Norfolk	1343	Fort Worth	616
Orlando	278	North Platte	1457	Galveston U.	355
Daytona Beach	334	Omaha	1219	Houston	441
Tallahassee	537	Valentine	1348	Lubbock	780
Tampa	268	NEV. Ely	1194	Midland	652
GA. Atlanta	814	Las Vegas	553	San Angelo	645
Augusta	687	Reno	1012	San Antonio	472
Macon	658	Winnemucca	982	Victoria	364
Savannah	586	N. H. Concord	1672	Waco	558
IDAHO, Boise	1013	N. J. Atlantic City	1128	Wichita Falls	690
Lewiston	862	Trenton U	1123	UTAH, Blanding R	1117
Pocatello	1172	N. MEX. Albuquerque	979	Salt Lake City	1207
ILL. Cairo U.	930	Roswell	750	VT. Burlington	1669
Chicago	1389	N. Y. Albany	1510	VA. Lynchburg	994
Moline	1414	Binghamton	1487	Norfolk	804
Peoria	1404	Buffalo	1400	Richmond	917
Rockford	1499	New York	1111	Roanoke	973
Springfield	1280	Rochester	1395	WASH. Colville	1146
IND. Evansville	1100	Syracuse	1449	Omak	----
Fort Wayne	1338	N. C. Asheville	966	Quillayute	711
Indianapolis	1266	Charlotte	789	Seattle-Tacoma	712
South Bend	1338	Greensboro	895	Spokane	1091
IOWA, Burlington	1352	Hatteras R.	653	Walla Walla U.	799
Des Moines	1297	Raleigh	843	Yakima	1004
Dubuque	1501	Wilmington	613	W. VA. Beckley	1148
Sioux City	1355	N. DAK. Bismarck	1642	Charleston	1025
KANS. Concordia	1115	Fargo	1774	Huntington	1032
Dodge City	986	Williston U	1675	Parkersburg U.	1108
Goodland	998	OHIO. Akron-Canton	1293	WIS. Green Bay	1614
Topeka	1148	Cincinnati U.	1168	Madison	1609
Wichita	1015	Cleveland	1336	Milwaukee	1438
KY. Lexington	1130	Columbus	1263	WYO. Casper	1295
Louisville	1040	Dayton	1259	Cheyenne	1176
LA. Baton Rouge	507	Toledo	1393	Lander	1411
Lake Charles	458	Youngstown	1391	Sheridan	1282
New Orleans	445				
Shreveport	551				

Preliminary reports from airport locations, except those marked U for urban and R for rural.
*Estimated.



January Weather Summary

HIGHLIGHTS: The most notable weather in January was the below normal precipitation over most of the Nation. The southern Plains, the Southwest, and all of California were hurt the most by this dry month. Exceptions to this trend were the Northeast and north central Plains where heavy snow occurred, and portions of the Southeast and the Pacific Northwest where rainfall was normal or above normal. Temperatures averaged below normal east of the Mississippi River Valley and above normal to the west, except in the central and southern Rockies where temperatures averaged 3 to 5° below normal. Elsewhere in the West average temperatures ranged from near normal along the central coastline to 10 to 12° above normal in Montana.

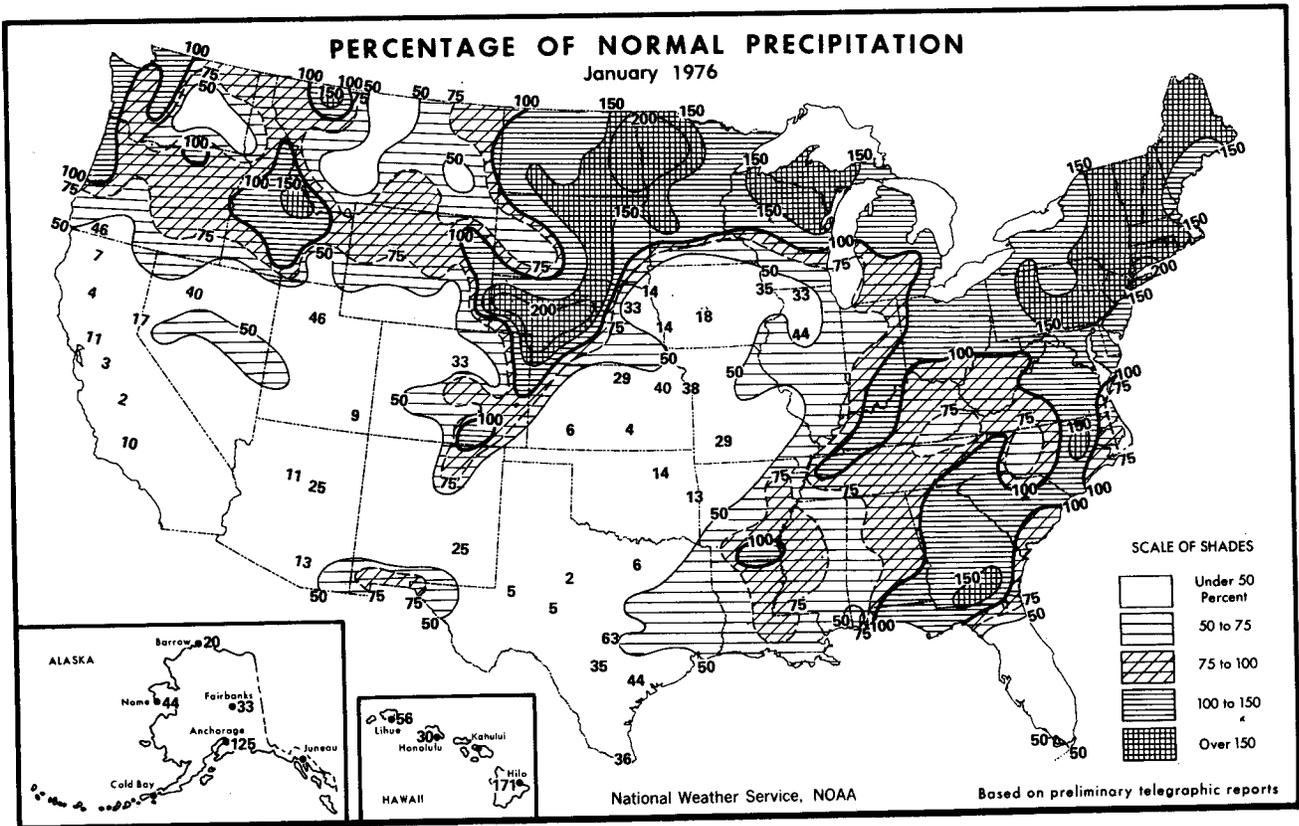
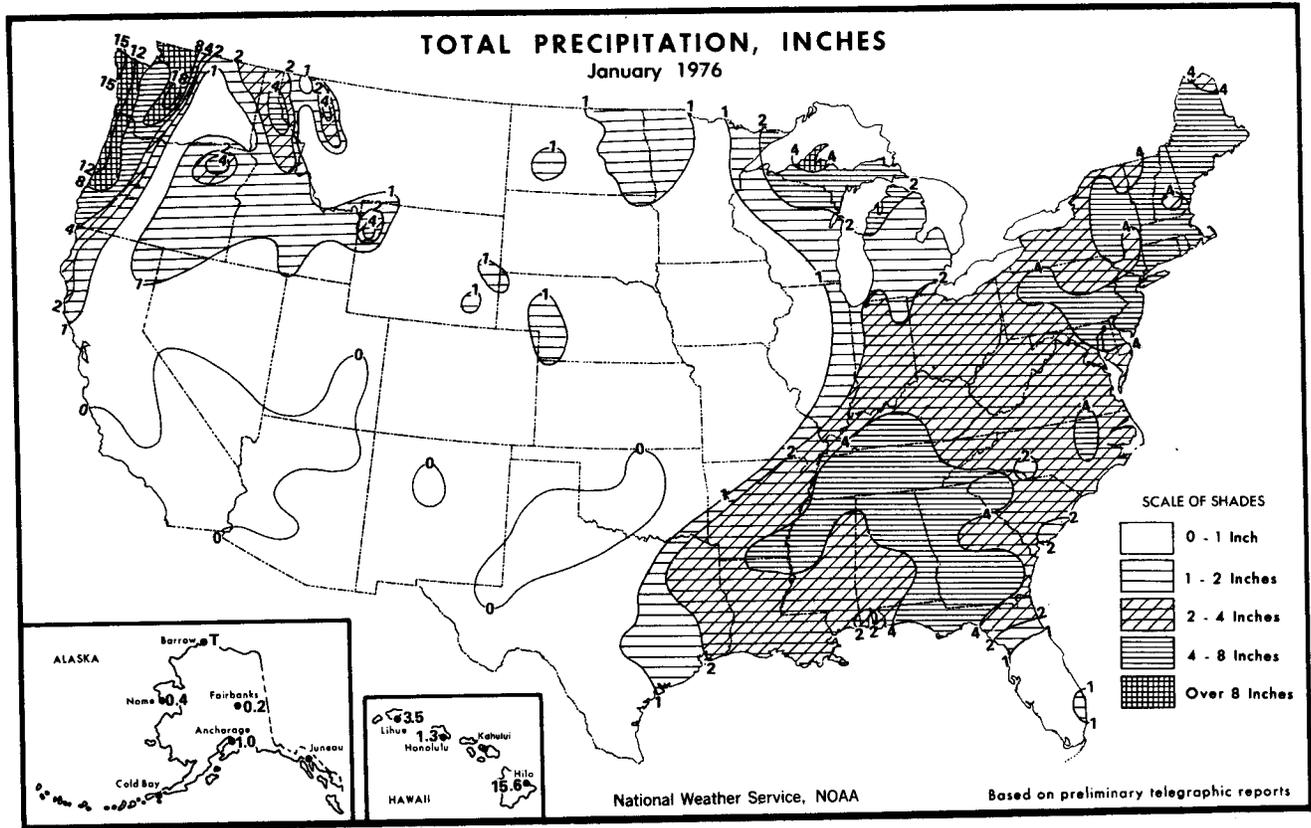
The shortage of January precipitation was especially serious in California, where the first month of the year is the middle of its 3-month rainy season and December was also dry. Winter rain and snow in the California mountains normally supply most of the irrigation water throughout the year. Another critical condition is the lack of snow cover in the central Plains, where temperatures have been above normal, precipitation below normal, and the exposed soil is subject to erosion.

January began with a powerful winter storm that moved from the Pacific Northwest into the central Rockies and then spread into the northern Plains, creating blizzard to near blizzard conditions over much of the western two-thirds of the Nation. Temperatures averaged 10 to 12° below normal in the central Rockies. Elsewhere heavy precipitation focused along the Appalachians, lower Mississippi Valley, and central Gulf States. By the end of the week freezing temperatures had pushed all the way to the Gulf of Mexico.

During the second week of the month nearly all of the area from the Rockies eastward had below normal readings. Temperatures ranged from 10 to 12° below normal in the northern Plains and along the Appalachians and 12 to 15° below normal in New England. The southern limit of zero degree readings ran from southern New England to the Texas Panhandle and northern New Mexico and northward along the Rockies. Freezing weather pushed into central Florida. Heaviest precipitation occurred in the Pacific Northwest--more than 5 inches along the Oregon Coast--along the Appalachians, and in the Southeast. Early in the week blustery winter wind and swirling snow spread from Kansas through Iowa, Michigan, and New England. By the end of the week, though, the wind and warming weather had cleared the snow cover from the central Plains.

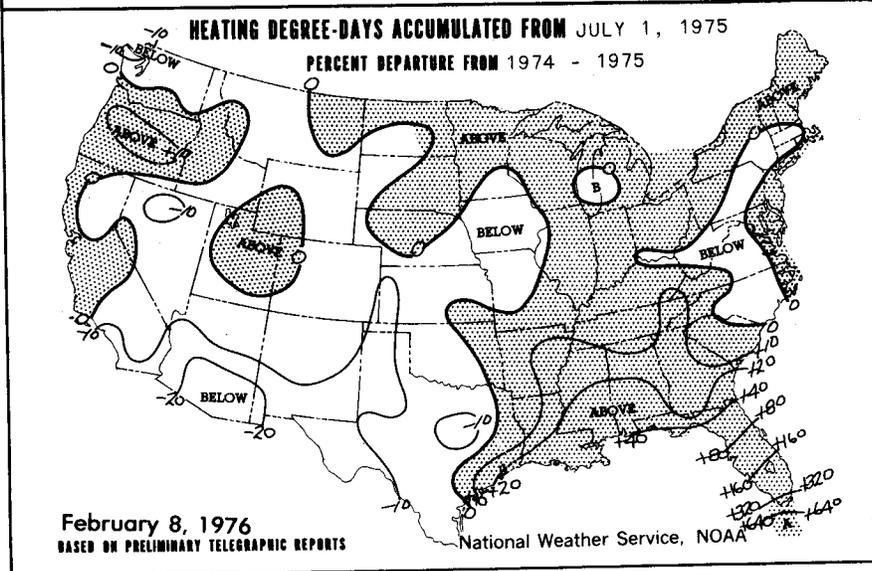
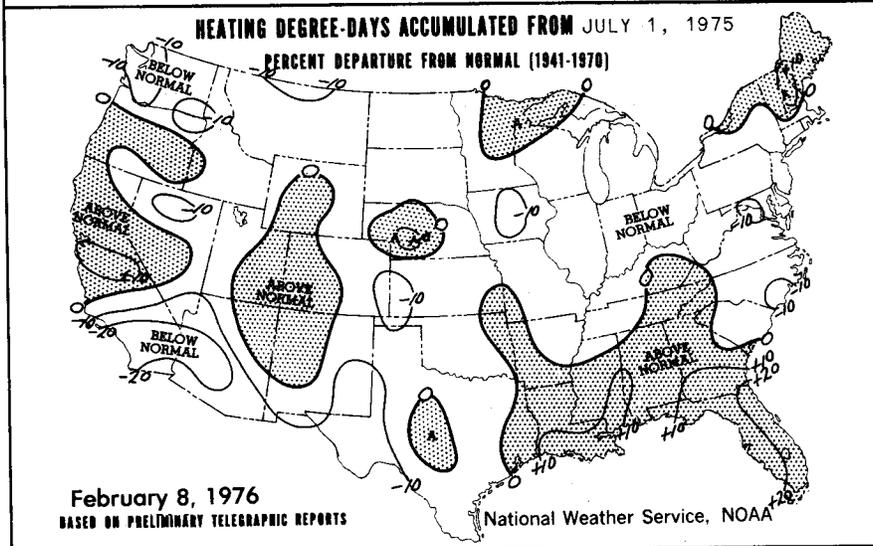
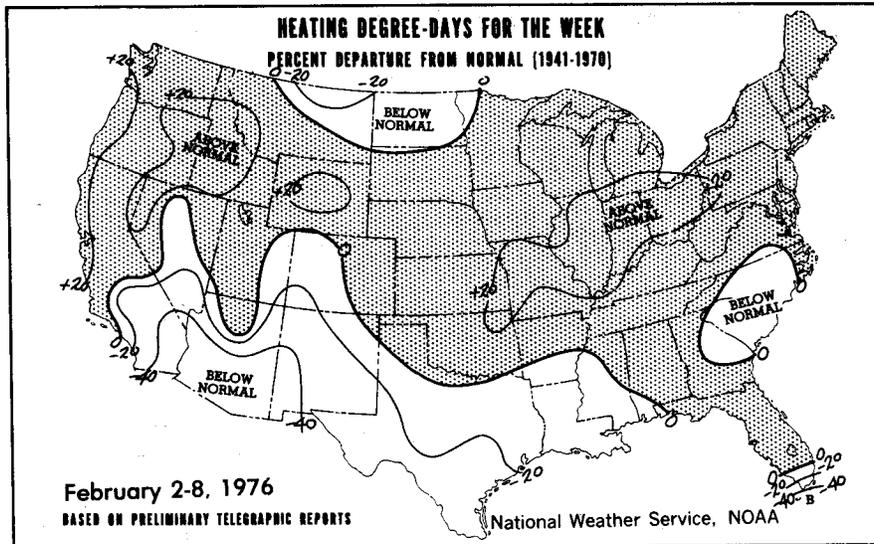
Temperatures warmed in the central Plains during the third week of the month and all areas west of the Mississippi River averaged above normal readings. Departures ranged from 3° above normal in Texas to 12° above normal in parts of Kansas and Nebraska to 18° above normal in north central Montana. East of the Mississippi average temperatures ranged from 3 to 6° below normal. Precipitation was sparse nationwide. Large areas of the West and Southwest recorded no precipitation at all. As usual, however, western New York had more than its share, when a heavy snow squall dumped 15 inches near Oswego.

Most precipitation at the end of the month occurred from the Appalachians to the East Coast where 2 inches or more fell during the last week. Westward, amounts ranged from zero to 0.3 inches. Temperatures were colder than normal only in the Great Lakes area and in the extreme South. California and the central and southern High Plains complained of the dry weather.



Temperature and Precipitation Data for January 1976

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 . . .	39	-5	4.1	-.7	La. Baton Rouge . . .	49	-2	3.7	-.7	Youngstown . . .	20	-6	3.2	+.3
Mobile . . .	50	-1	1.8	-2.9	Lake Charles . . .	50	-2	2.1	-1.9	OKLA. Okla. City . . .	39	+2	T	-1.1
Montgomery . . .	44	-4	3.0	-1.0	New Orleans . . .	51	-2	2.6	-1.9	Tulsa . . .	37	0	.2	-1.2
ALASKA Anchorage . . .	17	+5	1.0	+.2	Shreveport . . .	47	0	2.1	-1.9	OREG. Astoria . . .	44	+3	11.7	+2.0
Barrow . . .	-19	-4	T	-.2	MAINE Caribou . . .	5	-6	3.5	+1.5	Burns . . .	28	+3	1.5	-.3
Fairbanks . . .	-12	0	.2	-.4	Portland . . .	16	-6	4.4	+1.0	Medford . . .	39	+2	1.6	-1.9
Juneau . . .	28	+4	---	---	MD. Baltimore . . .	31	-2	4.1	+1.2	Pendleton . . .	39	+7	1.8	+.2
Kodiak . . .	0	---	---	---	MASS. Boston . . .	26	-3	5.3	+1.6	Portland . . .	42	+4	5.1	-.8
Nome . . .	0	-6	.4	-.5	Chatham . . .	29	---	6.9	---	Salem . . .	41	+2	7.4	+.5
ARIZ. Flagstaff . . .	31	+3	.2	-1.7	MICH. Alpena . . .	13	-5	1.7	0	PA. Allentown . . .	24	-4	5.0	+2.0
Phoenix . . .	55	+4	T	-.7	Detroit . . .	19	-6	1.9	0	Erie . . .	21	-4	3.1	+.6
Tucson . . .	53	+2	.1	-.7	Flint . . .	18	-4	1.5	-.2	Harrisburg . . .	28	-2	4.3	+1.7
Winslow . . .	33	0	.1	-.3	Grand Rapids . . .	19	-4	1.7	-.2	Philadelphia . . .	29	-3	4.5	+1.7
Yuma . . .	57	+2	T	-.4	Houghton Lake . . .	14	-3	1.8	+.3	Pittsburgh . . .	24	-4	3.2	+.4
ARK. Fort Smith . . .	37	-2	.3	-2.1	Lansing . . .	17	-6	1.6	-.3	Scranton . . .	22	-5	3.2	+1.1
Little Rock . . .	40	0	2.5	-1.7	Marquette . . .	16	-2	2.6	+1.1	R. I. Providence . . .	24	-4	6.4	+2.9
CALIF. Bakersfield . . .	50	+2	.1	-.9	Muskegon . . .	24	0	1.7	-.6	S. C. Charleston . . .	45	-4	1.6	-1.3
Eureka . . .	46	-1	1.9	-5.5	S. Ste. Marie . . .	10	-4	2.2	+.3	Columbia . . .	44	-1	3.6	+.2
Fresno . . .	44	-1	T	-1.8	MINN. Duluth . . .	5	-4	1.6	+.4	Greenville . . .	38	-4	4.5	+.4
Los Angeles . . .	60	+3	0	-3.0	Internatl Falls . . .	0	-2	1.0	+1.1	S. D. Aberdeen . . .	12	+2	.8	+.3
Red Bluff . . .	47	+2	.2	-4.3	Minneapolis . . .	12	0	.9	+.2	Huron . . .	15	+2	.6	+.2
San Diego . . .	59	+4	T	-1.9	Rochester . . .	13	0	.4	-.3	Rapid City . . .	24	+2	.3	-.2
San Francisco . . .	49	+1	.4	-4.0	St. Cloud . . .	6	-3	.8	0	Sioux Falls . . .	16	+2	.4	-.2
Stockton . . .	45	0	.1	-2.8	MISS. Jackson . . .	44	-3	3.6	-.9	TENN. Chattanooga . . .	35	-5	4.3	-1.1
COLO. Denver . . .	32	+2	.2	-.4	Meridian . . .	43	-4	3.0	-1.3	Knoxville . . .	34	-7	3.9	-.8
Grand Junction . . .	22	-5	.1	-.5	MO. Columbia . . .	29	0	.9	-.8	Memphis . . .	40	-1	2.8	-2.1
Pueblo . . .	31	+1	.2	-.1	Kansas City . . .	28	0	.5	-.8	Nashville . . .	37	-1	4.1	-.7
CONN. Bridgeport . . .	27	-3	5.6	+2.9	St. Louis . . .	28	-3	.8	-1.1	TEX. Abilene . . .	42	-2	T	-1.0
Hartford . . .	20	-5	5.6	+2.3	Springfield . . .	33	0	.5	-1.2	Amarillo . . .	37	+1	T	-.5
D. C. Washington . . .	34	-2	3.6	+1.0	MONT. Billings . . .	27	+5	.6	-.1	Austin . . .	50	0	1.2	-.7
FLA. Apalachicola . . .	49	-5	4.6	+1.5	Glasgow . . .	14	+5	.3	-.1	Beaumont . . .	50	-2	3.5	-.6
Daytona Beach . . .	54	-4	.6	-1.5	Great Falls . . .	26	+5	.6	-.3	Brownsville . . .	59	-1	.5	-.9
Ft. Myers . . .	61	-3	.2	-1.4	Havre . . .	23	+11	.2	-.3	Corpus Christi . . .	57	+1	.2	-1.4
Jacksonville . . .	49	-6	2.3	-.5	Helena . . .	25	+7	.3	-.3	Del Rio . . .	50	-1	.2	-.4
Key West . . .	68	-3	1.0	-.7	Kalispell . . .	24	+5	1.4	-.1	El Paso . . .	42	-2	.3	-.1
Lakeland . . .	57	-4	.7	-1.6	Miles City . . .	19	+4	.2	-.3	Fort Worth . . .	45	0	.1	-1.7
Miami . . .	65	-2	1.0	-1.2	Missoula . . .	28	+7	.9	-.3	Galveston . . .	53	-1	1.0	-2.0
Orlando . . .	57	-3	.4	-1.9	NEBR. Grand Island . . .	25	+3	.4	-.1	Houston . . .	51	-1	1.4	-2.2
Tallahassee . . .	47	-6	5.5	+1.8	Lincoln . . .	24	+2	.4	-.2	Lubbock . . .	40	+1	T	-.6
Tampa . . .	57	-3	.4	-1.9	Norfolk . . .	22	+3	.2	-.4	Midland . . .	44	0	T	-.6
W. Palm Beach . . .	61	-5	1.1	-1.5	N. Platte . . .	18	-5	1.0	+.5	San Angelo . . .	44	-2	T	-.8
GA. Atlanta . . .	39	-3	5.2	+.9	Omaha . . .	26	+6	.1	-.6	San Antonio . . .	50	-1	.6	-1.1
Augusta . . .	43	-3	3.5	+.1	Valentine . . .	22	+2	.3	0	Victoria . . .	53	-1	.8	-1.0
Macon . . .	44	-4	3.7	0	NEV. Ely . . .	26	+2	.4	-.2	Waco . . .	47	0	1.7	-.2
Savannah . . .	46	-4	2.2	-.7	Las Vegas . . .	47	+3	0	-.5	Wichita Falls . . .	43	+1	T	-1.1
HAWAII. Hilo . . .	71	0	15.6	+6.5	Reno . . .	32	0	.2	-1.0	UTAH. Blanding . . .	25	-3	.1	-1.0
Honolulu . . .	74	+2	1.3	-3.1	Winnemucca . . .	33	+5	.4	-.6	Salt Lake City . . .	28	0	.6	-.7
Kahului . . .	---	---	---	---	N. H. Concord . . .	11	-10	3.4	+.7	VT. Burlington . . .	11	-6	3.0	+1.3
Lihue . . .	74	+3	3.5	-2.7	N. J. Atlantic City . . .	28	-5	4.5	+.9	VA. Lynchburg . . .	33	-4	2.7	-.1
IDAHO. Boise . . .	32	+3	1.5	0	Trenton . . .	29	-3	4.1	+1.3	Norfolk . . .	39	-2	2.5	-.9
Lewiston . . .	37	+6	.5	-.8	N. MEX. Albuquerque . . .	33	-2	0	-.3	Richmond . . .	35	-3	3.4	+.5
Pocatello . . .	27	+4	.4	-.7	Roswell . . .	40	+2	.1	-.3	Roanoke . . .	33	-3	2.2	-.5
ILL. Cairo . . .	35	-1	2.3	-1.7	N. Y. Albany . . .	16	-6	3.8	+1.6	WASH. Colville . . .	28	+4	2.0	-.1
Chicago . . .	20	-4	1.3	-.6	Binghamton . . .	17	-5	3.7	+1.4	Omak . . .	27	+6	.6	-.6
Moline . . .	19	-3	.9	-.8	Buffalo . . .	20	-4	3.2	+.3	Quillayute . . .	42	+3	15.7	+1.1
Peoria . . .	20	-4	.8	-1.0	New York . . .	29	-3	5.4	+2.5	Seattle-Tacoma . . .	42	+4	5.6	-.2
Rockford . . .	17	-3	.6	-1.2	Rochester . . .	20	-4	2.3	0	Spokane . . .	30	+5	1.3	-1.2
Springfield . . .	24	-3	1.0	-.8	Syracuse . . .	18	-6	2.8	+.1	Walla Walla . . .	39	+6	1.4	-.7
IND. Evansville . . .	29	-4	2.1	-1.3	N. C. Asheville . . .	34	-4	3.5	+.1	Yakima . . .	33	+5	.6	-.7
Ft. Wayne . . .	22	-3	1.8	-.7	Charlotte . . .	39	-3	1.9	-1.6	W. Va. Beckley . . .	28	-3	3.1	-.4
Indianapolis . . .	24	-4	2.3	-.6	Greensboro . . .	36	-3	2.2	-1.0	Charleston . . .	32	-3	2.9	-.5
South Bend . . .	22	-2	2.2	-.2	Hatteras . . .	44	-1	3.2	-1.1	Huntington . . .	32	-2	2.8	-.4
IOWA. Burlington . . .	21	-2	.8	-.8	Raleigh . . .	38	-3	3.1	-.1	Parkersburg . . .	29	-4	2.5	-.6
Des Moines . . .	23	+4	.2	-.9	Wilmington . . .	45	-1	2.9	-.3	WIS. Green Bay . . .	13	-2	1.7	+.6
Dubuque . . .	16	-2	.6	-1.1	N. DAK. Bismarck . . .	12	+4	.5	0	La Crosse . . .	13	-3	.7	-.3
Sioux City . . .	21	+3	.1	-.6	Fargo . . .	8	+2	1.3	+.8	Madison . . .	13	-4	.7	-.6
KANS. Concordia . . .	29	+3	.2	-.5	Williston . . .	22	+14	.6	0	Milwaukee . . .	19	0	1.2	-.4
Dodge City . . .	33	+2	T	-.5	OHIO. Akron-Canton . . .	23	-3	3.2	+.5	WYO. Casper . . .	23	0	.4	-.1
Goodland . . .	33	+5	.5	+.1	Cincinnati . . .	27	-4	3.0	-.3	Cheyenne . . .	27	0	.3	-.2
Topeka . . .	28	0	.4	-.6	Cleveland . . .	22	-5	3.4	+.8	Lander . . .	19	-1	.3	-.2
Wichita . . .	32	+1	T	-.9	Columbus . . .	24	-4	3.2	+.3	Sheridan . . .	24	+3	.5	-.2
KY. Lexington . . .	28	-5	3.6	-.4	Dayton . . .	24	-4	3.0	+.2	P. R. San Juan . . .	76	+1	1.5	-2.2
Louisville . . .	31	-2	3.8	+.3	Toledo . . .	20	-5	2.8	+.7					



Heating Degree Days (Base 65°) For Week Ending February 8, 1976

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	113	-26	2055	94	321	Portland	327	21	4576	92	345	Tulsa	214	35	2484	-4	46
Mobile	83	-10	1203	10	260	MD. Baltimore	249	29	2780	-217	91	OREG. Astoria	186	31	2934	-136	161
Montgomery	116	2	1716	118	334	MASS. Boston	270	18	3150	-219	-61	Burns	297	45	4834	412	587
ARIZ. Flagstaff	259	10	4132	-186	-112	MICH. Alpena	367	31	4972	-67	179	Medford	204	26	2994	-62	143
Phoenix	19	-64	799	-311	-255	Detroit	345	65	4010	59	31	Pendleton	273	73	2907	-462	69
Tucson	32	-59	1002	-170	-401	Flint	343	43	4075	-207	31	Portland	193	27	2636	-303	172
Winslow	142	-55	3224	102	-263	Grand Rapids	346	52	4224	79	-141	Salem	210	46	2921	-2	316
Yuma	22	-35	669	-89	-121	Houghton Lake	381	45	4921	-111	-94	PA. Allentown	295	36	3448	-180	-25
ARK. Fort Smith	191	27	2453	157	124	Lansing	362	65	4313	93	133	Erie	332	45	3936	-112	27
Little Rock	169	3	2241	-54	250	Marquette	351	23	4846	-61	131	Harrisburg	270	32	3165	-173	-127
CALIF. Bakersfield	74	-26	1438	-81	-20	Muskegon	308	16	3892	-229	-116	Philadelphia	229	2	2874	-175	107
Eureka	147	28	2913	222	217	S. Ste. Marie	388	31	5444	8	0	Pittsburgh	317	58	3733	12	315
Fresno	129	12	2032	257	229	MINN. Duluth	413	26	6139	178	84	Scranton	308	35	3669	-229	84
Los Angeles	69	-1	653	-327	-85	Internat Falls	454	26	6650	47	417	R. I. Providence	297	38	3570	-4	154
Red Bluff	121	6	1808	64	-110	Minneapolis	382	22	4886	-350	-81	S. C. Charleston	111	-1	1477	-4	115
San Diego	44	-19	646	-202	-72	Rochester	367	13	4845	-302	-233	Columbia	110	-21	1715	-85	107
San Francisco	131	28	1992	211	161	St. Cloud	417	35	5703	130	144	Greenville	147	-6	2183	45	32
Stockton	127	5	1830	6	-102	MISS. Jackson	105	-14	1689	87	288	S. DAK. Aberdeen	382	11	5065	-388	137
COLO. Denver	238	5	3510	-145	-273	Meridian	121	2	1893	209	455	Huron	385	36	4990	-109	159
Grand Junction	197	-41	3976	272	57	MO. Columbia	297	63	3268	-27	-166	Rapid City	324	39	4360	-80	-24
Pueblo	231	8	3414	-32	-85	Kansas City	294	55	3370	10	-81	Sioux Falls	362	24	4922	-50	116
CONN. Bridgeport	276	31	3066	-133	37	St. Louis	297	75	3219	119	6	TENN. Chattanooga	179	13	2578	207	167
Hartford	300	20	3786	-134	-9	Springfield	245	37	2998	9	10	Knoxville	197	30	2554	219	325
DEL. Wilmington	266	35	2980	-111	75	MONT. Billings	315	38	4324	-126	-142	Memphis	167	7	2097	-109	201
D. C. Washington	228	25	2408	-305	36	Glasgow	296	-73	5331	-272	351	Nashville	193	15	2376	-107	137
FLA. Apalachicola	90	13	1105	151	373	Great Falls	301	19	4495	-159	12	TEX. Abilene	128	-3	1804	-9	-169
Daytona Beach	71	15	732	118	330	Havre	264	-84	4801	-737	-81	Amarillo	192	4	2560	-164	-331
Ft. Myers	40	5	355	31	227	Helena	335	41	4968	-121	-60	Austin	72	-25	1142	-95	-111
Jacksonville	86	9	1158	225	342	Kalispell	326	31	4932	-394	-164	Brownsville	33	-10	463	1	6
Key West	3	-4	56	15	49	Miles City	310	-12	4838	-130	213	Corpus Christi	41	-17	638	-40	-36
Lakeland	41	-8	563	91	275	Missoula	341	60	4809	-172	142	Del Rio	54	-28	1037	-119	-111
Miami	13	-3	188	48	139	NEBR. Grand Island	285	8	4076	-18	-137	El Paso	90	-39	1854	-90	-261
Orlando	57	8	592	108	299	Lincoln	289	12	3853	-153	-260	Fort Worth	119	-7	1500	-148	-49
Tallahassee	97	8	1324	203	200	Norfolk	325	21	4364	-70	18	Galveston	61	-15	838	7	182
Tampa	55	6	596	97	313	North Platte	306	36	4693	450	279	Houston	73	-10	1064	41	127
W. Palm Beach	33	9	279	69	188	Omaha	297	21	3689	-217	-338	Lubbock	152	-14	2186	-199	-290
GA. Atlanta	158	10	2142	51	225	Valentine	325	29	4599	64	199	Midland	102	-31	1725	-120	52
Augusta	125	-1	1717	-54	-143	NEV. Ely	281	10	4542	-124	-44	Beaumont	74	-10	1131	53	114
Macon	112	-1	1671	94	230	Las Vegas	84	-41	1591	-243	-155	San Angelo	109	-6	1644	46	-25
Savannah	102	-1	1401	29	284	Reno	255	49	3741	49	20	San Antonio	67	-21	1147	11	-83
IDAHO. Boise	303	80	3644	-49	158	Winneucca	221	-8	3589	-484	-467	Victoria	53	-20	845	-34	68
Lewiston	253	48	3161	-344	6	N. H. Concord	369	61	5037	523	305	Waco	103	-8	1328	-121	-237
Pocatello	301	35	4151	-237	-254	N. J. Atlantic City	279	55	3201	150	264	Wichita Falls	161	15	1858	-145	-158
ILL. Cairo	246	57	2553	-26	45	Trenton	265	34	2925	-144	78	UTAH. Salt Lake C	267	32	3683	-99	259
Chicago	335	58	3769	-61	38	N. MEX. Albuquerque	144	-43	3021	149	-142	VT. Burlington	365	28	4839	43	279
Moline	320	29	3912	-168	-56	Roswell	113	-55	2159	-420	-343	VA. Lynchburg	219	23	2767	13	-10
Peoria	339	63	3947	+49	118	N. Y. Albany	326	24	4195	-68	-167	Norfolk	183	10	2072	-142	116
Rockford	363	60	4377	57	194	Binghamton	346	45	4367	-31	-83	Richmond	204	15	2412	-167	-171
Springfield	312	56	3524	-57	67	Buffalo	333	40	4026	-94	200	Roanoke	212	16	2666	-117	-88
IND. Evansville	273	57	3055	10	153	New York	261	30	2879	-101	54	WASH. Quillayute	179	8	2852	-620	-400
Fort Wayne	331	58	3829	-51	43	Rochester	324	36	4003	-31	46	Seattle-Tacoma	188	21	2663	-461	-206
Indianapolis	305	53	3591	26	88	Syracuse	323	30	4122	103	102	Spokane	288	41	4195	-115	-75
South Bend	339	56	3705	-291	143	N. C. Asheville	206	18	2827	77	240	Walla Walla	249	57	2865	-302	0
IOWA. Burlington	318	38	3815	-124	-87	Hatteras	153	13	1552	-108	78	Yakima	262	37	3654	-277	74
Des Moines	316	13	3791	-483	-258	Charlotte	149	-5	2114	-52	-120	W. VA. Beckley	260	29	3306	-226	-159
Dubuque	350	32	4525	-74	7	Greensboro	176	-3	2385	-156	-4	Charleston	240	30	2885	-95	-219
Sioux City	328	19	4327	-133	-80	Raleigh	138	-30	2223	-115	-137	Huntington	236	26	2880	-107	-33
KANS. Concordia	257	8	3411	-204	-74	Wilmington	120	-6	1462	-179	-84	Parkersburg	263	41	3155	65	117
Dodge City	227	7	3059	-187	-115	N. Dak. Bismarck	338	-43	5335	-345	-362	WIS. Green Bay	379	36	4992	10	87
Goodland	237	-7	3410	-401	-450	Fargo	400	-2	5606	-228	103	LaCrosse	353	21	4695	0	106
Topeka	271	34	3338	-87	-23	Williston	347	-29	5661	-102	159	Madison	371	44	4523	-291	90
Wichita	246	32	3071	-15	34	OHIO. Akron-Canton	318	47	3677	-158	99	Milwaukee	348	37	4164	-357	-45
KY. Lexington	252	33	3180	121	217	Cleveland	337	71	3810	65	200	WYO. Casper	335	59	4552	9	-268
Louisville	248	32	2834	-183	7	Columbus	312	60	3547	-64	203	Cheyenne	267	30	4238	-49	-282
LA. Baton Rouge	84	-9	1326	125	317	Cincinnati	279	48	3202	-34	-70	Lander	366	74	4991	130	53
Lake Charles	70	-15	1186	122	255	Dayton	305	53	3482	-80	84	Sheridan	335	49	4599	-103	-219
New Orleans	82	-2	1200	155	310	Toledo	347	70	4130	162	206						
Shreveport	95	-18	1483	-37	-44	Youngstown	338	61	3989	55	142						
MAINE. Caribou	421	43	6072	243	156	OKLA. Okla City	198	19	2352	-136	-60						

* Based on 1941-70 Normals.

† Accumulation July 1, 1974

World Weather and Crop Update

Dry weather continued in most of India's winter wheat region. Although rainfall in the late fall and winter months is usually light, it has been almost nonexistent this season. However, the crop was planted under favorable conditions following excellent summer and early fall rains and much of it has been irrigated through the winter. Nevertheless, winter wheat and other crops would benefit from rain, and snow is needed in the mountains to replenish storage water.

Cold temperatures in the USSR in early February posed some threat to crops. There have been repeated low readings of 0° to -30°F in the winter wheat region. Snow cover has been adequate to protect against winterkill in much of the area. Allowing for duration of cold, wind velocity, and varietal differences, strong, well-tillered wheat can survive temperatures as low as -10°F without snow cover. Poorly tillered wheat would be vulnerable to winterkill at about 0°F. Much of the Donets-Dnepr, North Caucasus, and Lower Volga regions had insufficient snow depth to protect against temperatures that ranged from 0°F to -6°F.

In northeast Brazil early February rains of 1 to 4 inches brought some relief after 6 very dry months. Moderate rains relieved extremely dry conditions south of Bahia Blanca, Argentina. Meantime precipitation was insignificant in the dry Great Plains, mainly the extreme south and southeast portions.

Tropical storm Terry caused some local flooding in late January in South Africa, where major agricultural areas could benefit from dry, sunny weather.

Favorable planting conditions led producers to follow less land than usual in Turkey, where generous winter precipitation continues.

Light to moderate rain fell several days in parts of Spain and Portugal. Snow fell in Madrid on January 29th.

Light but persistent rain occurred in southern agricultural areas of the People's Republic of China during the last week of January and early February.

High winds and moderate rains struck New Zealand during January 26-29. Heavy rains fell in Northern Territory, Australia on February 3-4.

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

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 U.S. DEPARTMENT OF COMMERCE



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FIRST CLASS MAIL

Water Supply Outlook for Western U.S.

Issued as of February 1, 1976

The table below shows the runoff forecast in percent of the 15-year (1958-72) average. The forecasts are for the remainder of the water year (October thru September), except for the full water year for the Sacramento and San Joaquin Basins; April 1 to September 30, 1976, for the Missouri, Yellowstone, and North Platte Basins; November 1, 1975 to June 30, 1976 for the Little Colorado Basin; and February 1 to June 30, 1976 for the Gila Basin. The publication "Water Supply Outlook for the Western United States," issued as of February 1, 1976, contains the complete water supply forecasts for about 375 stations in the Western United States.

River	Station	Forecast 1,000 Acre-feet	Percent 15-year average
Columbia	Grand Coulee, WA	74,800	99
Columbia	The Dalles, OR	123,000	103
Snake	Lower Granite, WA	23,200	104
Sacramento	Red Bluff, CA	5,100	57
San Joaquin	Big Creek, CA	750	58
Weber	Gateway, UT	351	98
Jordan	Utah Lake, UT	402	107
Truckee	L. Tahoe-Farad	105	30
Colorado	L. Powell infl.	7,640	87
Green	Green River, UT	3,400	97
San Juan	Bluff, UT	1,000	85
Little Colo.	Woodruff, AZ	4.8	56
Gila	Solomon, AZ	70	51
Rio Grande	San Marcial, NM	302	67
Arkansas	Pueblo, CO	273	71
Missouri	Ft. Peck, MT	5,560	117
Yellowstone	Sidney, MT	8,170	117
North Platte	Glendo, WY	693	84

Office of Hydrology
 National Weather Service