

Weekly Weather & Crop Bulletin

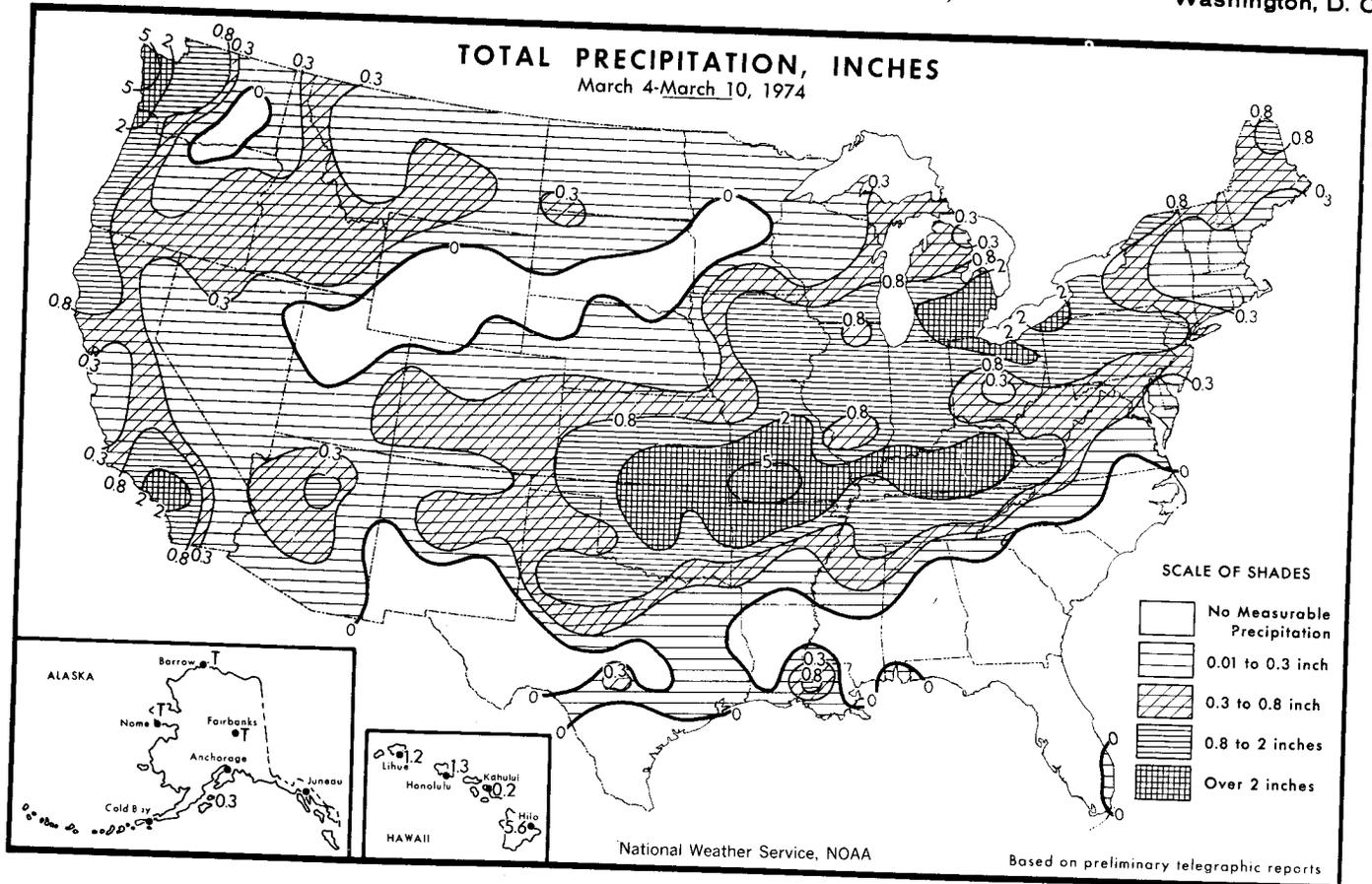
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NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Nearly the entire Nation was warmer than expected as a record winter heat wave lingered across the Atlantic Coast to the middle Mississippi Valley last week with temperatures across Ohio, Indiana, Missouri and Kentucky averaging nearly 20° above normal. Only a narrow band of far western States reported temperatures below normal for this time of year.

A cold front stretching from eastern Canada to Texas collided with a flow of tropical air surging upward from the Gulf of Mexico generating thunderstorms, heavy rains, high winds and hail to many areas of the Country's midsection during the week.

Finally, a vigorous storm drenched sections of California and Arizona with over 2.00 in. of precipitation over the weekend before drifting eastward.

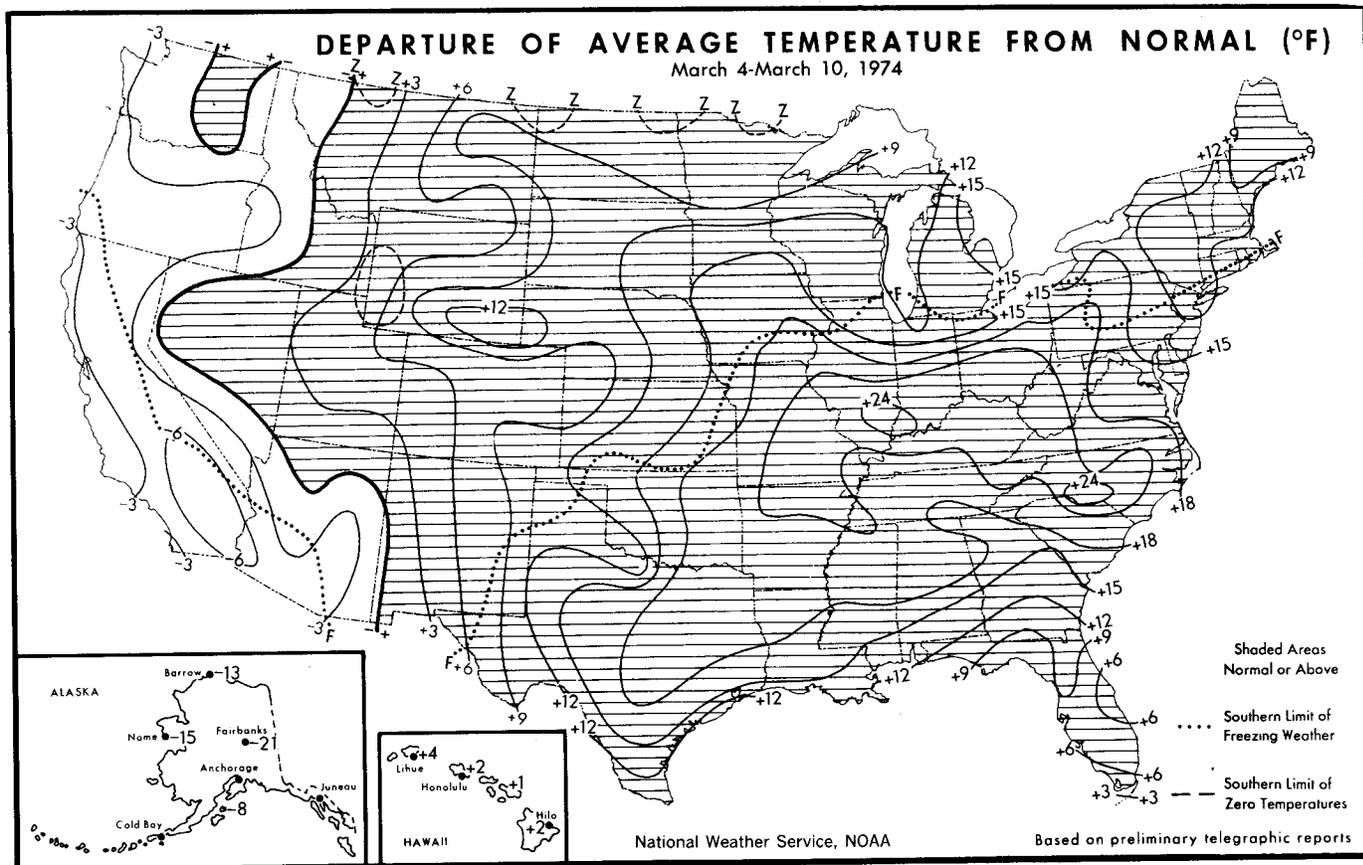
PRECIPITATION: Last week most of the West, Central and Southeast sections of the Nation remained dry. However, a weak storm system dropped nearly

0.80 in. of precipitation across the Corn Belt, Kentucky, Kansas, Oklahoma and Texas Panhandle. It was the first significant rainfall in portions of the Texas Panhandle in four months.

A band of wet weather stretching from Canada to Mexico produced rain and thunderstorms from Nebraska to Pennsylvania on Monday. During the storm golf ball size hail struck the town of McLean, Ill., and strong winds damaged a supermarket roof, trees and power lines north of Champaign, Ill. By Monday night a cold front trailing from a low in the Eastern Great Lakes triggered thunderstorms in sections of the mid and lower Mississippi Valley and the lower Ohio Valley.

Tuesday, a strong Arctic front with gusty winds dumped 5 in. of snow at West Yellowstone, Mont. Tuesday evening the storm front generated showers and thundershowers along a stationary front from the mid-Atlantic Coast through the Tennessee Valley into eastern Oklahoma.

A new Pacific storm front dumped rain and snow



showers across the northern half of the Pacific to the Rockies on Wednesday. Burns, Ore., got 1.00 in. of precipitation. Meanwhile, a warm front over the Southeast pushed thunderstorm activity deep into the middle Atlantic States, Kentucky and Tennessee. Thunderstorms developed Thursday morning just south of the front in Missouri, while snow fell behind the front in South Dakota and the central-upper Rockies.

A tornado was reported south of Topeka, Kan., and 70 mph winds whipped northern Kansas City early Friday morning. Friday evening thunderstorms soaked Lipscomb, Tex., with 2.67 in. of precipitation.

A late winter storm developed in southern California and moved slowly eastward Friday capping Mount Wilson with 18 in. of snow and typical March weather returned on Saturday as thunderstorms developed and spread rapidly through Missouri, southern Kansas, northern Oklahoma and Colorado. Golf ball size hail fell at many points in northwestern Texas and tornadoes were sighted near Amarillo and Lubbock, Tex.

Sunday, rain with occasional heavy thunderstorms spread over much of Missouri, Arkansas, Oklahoma into central Texas and drifted east through southern Illinois and western portions of Kentucky and Tennessee. Springfield, Mo., received 3.50 in. of rain Sunday night.

TEMPERATURE: Weather more typical of late April than mid-March prevailed during much of the week as above normal temperatures were recorded over much of the Nation's midsection and east.

Ahead of a cold front stretching from eastern Canada to Texas temperatures remained mild over the eastern two-thirds of the Country at the beginning of the week. The mercury reached 60's as far north as southern New England and the 80's as far north as the Carolinas. However, temperatures were much cooler behind the front with St. Louis, Mo., reaching a new record of 79° at 5:00 p.m. on Monday only to dip to 55° in less than two hours as the frontal system passed.

Wednesday seemed like a day in May instead of March with above normal temperatures and record highs across much of the Nation. Sioux City, Iowa, recorded 73° and Dubuque, Iowa, 64°.

Thursday morning temperatures stretched from New Mexico and Texas reaching north into the central Great Lakes and northwestern New York and to Virginia along the Atlantic Coast.

Cut Bank, Mont., was the coldest place in the Nation Thursday with a low of 11° below and a high of 12° above.

The record late winter heat wave continued Friday from the southern Atlantic Coast to the middle Mississippi Valley. Record temperatures ranged from 84° at Richmond, Va., to 75° at Goodland, Kans. for this date.

During the weekend south of a stationary front extending from the mid-Atlantic Coast through the Ohio Valley into southeast Wyoming, record high temperatures reached well into summerlike 70 and 80 degree range. However, sharply contrasting temperatures prevailed across the Canada-Mexico cold front in the Plains with readings in 30's behind it and 60's ahead of the front.

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Rain totaling from one-half to 2 in. fell over all of Kansas and Oklahoma aiding the rapidly growing winter wheat crop. Northwest Texas generally got lesser amounts which farmers hope came in time to revive their moisture-starved nonirrigated wheat. Open weather in the Southern States permitted good fieldwork progress. Abnormal warmth stimulated early fruit tree bud swelling in some areas causing growers to worry about the risk of freeze damage.

SMALL GRAINS: Widespread precipitation over the southern Great Plains relieved a dry topsoil condition and benefitted the fast growing winter wheat crop. Rainfall generally averaged 0.30 in. over northwest Kansas and extreme western Oklahoma, but ranged upward from 0.80 to over 2.00 in. elsewhere in the two States. Snowfall provided eastern Colorado with at least 0.30 in. of welcome moisture and showers dropped from 0.30 to over 1.00 in. of critically needed moisture on dry northwest Texas which raised hopes that nonirrigated winter wheat there might revive.

It was another unseasonably warm week over practically the entire Nation and winter wheat responded by showing rapid growth in Kansas and Oklahoma. Ground cover on wheat fields improved considerably in the two States and most acreage is in fair to good condition. In western Oklahoma a few crop reporters observed some jointing of wheat. The late week rain halted spring oat planting at 90% complete in Oklahoma and 30% complete in Kansas, ahead of the 10-year average of 20%. Irrigated wheat in northwest Texas is in good condition and showed satisfactory growth.

The continued warm spell caused some wheat fields in Nebraska to begin spring growth last week. Most winter wheat there and in Colorado is rated in good condition. Winds along the eastern slopes in Montana and in central and southern South Dakota caused some damage to winter wheat. In Washington, winter damage and heaving in some winter wheat fields required spot reseeded. Stands there appear smaller and later than normal, but farmers started crop-boosting aerial applications of fertilizer.

Early seeded grains in Oregon are in excellent condition. Oats and barley in California showed good growth. Small grains east of the Great Plains are rated in good to excellent condition and fertilizing remained active in many areas.

OTHER CROPS: Rain and wet soil restricted fieldwork over most of the Corn Belt but field preparation for spring planting made good progress in the South. Warm temperatures have thawed soils and melted snow cover far into the Great Lakes States. By the end of last week many Ohio farmers had started spring plowing.

Cotton, corn, and sorghum planting is in full swing across the southern half of Texas with progress ahead of a year earlier. A few fields of early rice were planted in Louisiana.

Tobacco bed seeding was active in Maryland, Virginia, and Kentucky while South Carolina farmers prepared ground for transplanting. Georgia

tobacco plants are rated in good condition.

Potato planting gained momentum on the Eastern Shore of Virginia and reached about 25% complete in North Carolina. Potatoes in the Baldwin County, Alabama area made good recovery from recent cold weather. Potato seeding is about 85% complete in the Knox-Haskell area of Texas.

Sugar beet planting was active in California and the Arizona crop made good progress.

FRUITS AND NUTS: Continued above normal temperatures east of the Rockies have stimulated early bud swelling of fruit trees northward into Indiana, Ohio and northern Virginia increasing grower's concern over possible damage from freezing temperatures during the next several weeks. In Virginia, peach trees varied from full bloom for some varieties in the south to the pink bud stage in the north.

California stone fruit trees continued to bloom but cold temperatures damaged flowering trees near Los Angeles.

Strawberry picking increased in southern California and peaked in Florida.

Citrus trees in Florida need rain badly for beginning new growth; tree conditions vary from good where irrigated to not so good where not irrigated. Some citrus trees have petals dropping from blooms while other trees have not yet bloomed.

Texas citrus harvesting continued with picking of fresh market fruit expected to be completed by late April.

VEGETABLES: Warm weather helped Florida vegetable crops recover from recent cold. Tomato and pepper shipments increased sharply while cabbage, snap beans, sweet corn, and celery held steady.

South Carolina growers harvested a few green leafy vegetables along the coast and planted snap beans.

Onions continue to show excellent growth in the Lower Rio Grande Valley of Texas. Harvest of early onions are well started with several rail cars shipped daily last week. Lettuce, carrot and cabbage harvests continued without interruption. Most watermelon acreage is planted in the Texas Winter Garden area except for some acreage waiting for adequate moisture.

In California, lettuce harvesting declined at Imperial and increased at Palo Verde while celery decreased in the south coast area.

The spring lettuce harvest began in central Arizona with good quality reported. Lettuce harvesting is in full swing in the Yuma area.

PASTURES AND LIVESTOCK: Warm, wet weather has boosted pastures in the Southern States with fair grazing provided in most places. Pastures continued to turn green across southern portions of the Corn Belt and into Wyoming where additional moisture is needed. Good rains helped southern California pastures.

Mild weather favored calving and lambing now in full swing Nationwide and eased supplemental feeding needs. Most livestock have wintered in good condition.

Standard copy for the Weekly Weather and Crop Bulletin is prepared by: Richard E. Felch, Lyle M. Denny, Orus W. Byrd, National Weather Service, NOAA; Arlon M. Scott, Nancy Burt, Statistical Reporting Service, USDA.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., March 10, 1974

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 . . .	70	+19	T	- 1.5	La. Baton Rouge . . .	73	+16	.9	- .3	Youngstown . . .	48	+16	1.9	+ 1.2
Mobile	71	+14	T	- 1.6	Lake Charles . . .	73	+15	T	- .9	OKLA. Okla. City . .	62	+17	2.9	+ 2.5
Montgomery	69	+15	0	- 1.4	New Orleans	73	+14	T	- 1.3	Tulsa	65	+20	2.0	+ 1.5
ALASKA. Anchorage . .	-	-	-	-	Shreveport	74	+20	T	- .9	OREG. Astoria	41	- 3	3.5	+ 1.9
Barrow	-31	-13	T	0	MAINE. Caribou . . .	28	+ 8	.8	+ .3	Burns	29	- 5	.4	+ .2
Fairbanks	-16	-21	T	- .1	Portland	41	+12	.1	- .7	Medford	39	- 5	.5	+ .1
Juneau	-	-	-	-	MD. Baltimore	54	+14	.3	- .5	Pendleton	42	0	0	- .3
Kodiak	23	- 8	.3	- .6	MASS. Boston	47	+12	.1	- .8	Portland	42	- 3	.9	0
Nome	-10	-15	T	- .2	Chatham	43	-	.1	-	Salem	42	- 2	.9	- .2
ARIZ. Flagstaff . . .	32	0	T	+ .5	MICH. Alpena	40	+17	.2	- .2	PA. Allentown	48	+13	1.1	+ .3
Phoenix	56	- 2	.5	+ .3	Detroit	44	+12	2.3	+ 1.8	Erie	45	+15	2.5	+ 1.9
Tucson	52	- 4	.2	+ .1	Flint	42	+13	2.4	+ 2.0	Harrisburg	51	+13	.5	- .2
Winslow	40	- 3	.1	0	Grand Rapids	41	+12	2.4	+ 1.9	Philadelphia	51	+12	.4	- .4
Yuma	56	- 6	.1	0	Houghton Lake	35	+12	.6	+ .2	Pittsburgh	55	+20	1.4	+ .6
ARK. Fort Smith . . .	67	+20	2.5	+ 1.7	Lansing	42	+13	2.1	+ 1.6	Scranton	43	+10	1.2	+ .7
Little Rock	67	-20	.2	- .9	Marquette	34	+10	.3	- .1	R.I. Providence . . .	48	+14	.1	- .8
CALIF. Bakersfield . .	52	+ 3	1.2	+ 1.0	Muskegon	41	+12	1.1	+ .6	S.C. Charleston . . .	71	+17	0	- 1.1
Eureka	46	- 2	.9	- .3	S. Ste. Marie	31	+11	.4	0	Columbia	71	+20	0	- 1.1
Fresno	49	- 4	.4	0	MINN. Duluth	26	+ 7	.2	- .1	Greenville	67	+19	T	- 1.2
Los Angeles	54	- 5	2.0	+ 1.4	Internatl Falls . . .	21	+ 7	T	- .2	S.D. Aberdeen	34	+11	.1	0
Red Bluff	47	- 5	1.1	+ .5	Minneapolis	37	+13	T	- .4	Huron	37	+13	T	- .2
San Diego	55	- 3	1.2	+ .8	Rochester	38	+15	.4	+ .1	Rapid City	37	+ 9	.1	- .1
San Francisco	49	- 3	.3	- .3	St. Cloud	30	+ 9	T	- .2	Sioux Falls	39	+13	T	- .3
Stockton	48	- 4	.2	- .3	MISS. Jackson	71	+17	0	- 1.3	TENN. Chattanooga . .	63	+16	.1	- 1.2
COLO. Denver	42	+ 7	.2	0	Meridian	72	+18	0	- 1.4	Knoxville	69	+22	1.2	0
Grand Junction	44	+ 5	.4	+ .3	MO. Columbia	59	+21	2.2	+ 1.6	Memphis	69	+21	.7	- .4
Pueblo	46	+ 9	.4	+ .3	Kansas City	55	+17	.8	+ .3	Nashville	65	+19	2.0	+ .8
CONN. Bridgeport . . .	46	+11	.5	- .3	St. Louis	62	+22	.5	- .1	TEX. Abilene	68	+16	.6	+ .4
Hartford	45	+13	T	- .8	Springfield	62	+21	5.1	+ 4.5	Amarillo	54	+11	.6	+ .5
D.C. Washington . . .	58	+16	.4	- .4	MONT. Billings	31	+ 7	.4	+ .2	Austin	75	+18	T	- .5
FLA. Apalachicola . .	67	+ 8	0	- 1.1	Glasgow	30	+ 9	.1	0	Beaumont	72	+14	T	- .7
Daytona Beach	68	+ 6	0	- .8	Great Falls	29	+ 1	.3	+ .1	Brownsville	77	+11	0	- .2
Ft. Myers	73	+ 6	0	- .7	Havre	27	+ 4	.2	+ .1	Corpus Christi	77	+14	0	- .3
Jacksonville	69	+10	0	- .8	Helena	30	+ 2	T	- .1	Del Rio	72	+12	.1	- .1
Key West	76	+ 2	T	- .4	Kalispell	27	- 1	.2	0	El Paso	55	+ 3	0	- .1
Lakeland	73	+ 8	0	- .9	Miles City	33	+ 6	.3	+ .2	Fort Worth	73	+21	.1	- .4
Miami	76	+ 6	.1	- .3	Missoula	31	0	T	- .1	Galveston	69	+10	0	- .6
Orlando	70	+ 6	0	- .8	NEBR. Grand Island . .	44	+12	.1	- .1	Houston	75	+16	T	- .7
Tallahassee	66	+ 8	0	- 1.4	Lincoln	45	+12	.2	- .1	Lubbock	59	+13	1.3	+ 1.1
Tampa	72	+ 8	T	- .9	Norfolk	42	+13	T	- .3	Midland	66	+14	0	- 1
W. Palm Beach	75	+ 7	T	- .7	N. Platte	40	+ 9	T	- .2	San Angelo	69	+15	.2	0
GA. Atlanta	67	+18	0	- 1.3	Omaha	46	+15	.1	- .2	San Antonio	76	+18	0	- .4
Augusta	66	+14	0	- 1.1	Valentine	38	+10	T	- .1	Victoria	76	+16	T	- .4
Macon	69	+15	0	- 1.2	NEV. Ely	33	+ 2	.1	- .1	Waco	75	+20	T	- .5
Savannah	71	+15	0	- 1.0	Las Vegas	49	- 4	.2	+ .1	Wichita Falls	61	+11	1.6	+ 1.3
HAWAII. Hilo	73	+ 2	5.6	+ 2.4	Reno	39	0	.1	- .1	UTAH. Blanding	38	+ 2	.3	+ .1
Honolulu	75	+ 2	1.3	+ .5	Winnemucca	38	+ 2	.3	+ .1	Salt Lake City	41	+ 4	T	- .4
Kahului	73	+ 1	.2	- .5	N.H. Concord	39	+10	.2	- .4	VT. Burlington	38	+13	.1	- .3
Lihue	75	+ 4	1.2	+ .1	N.J. Atlantic City . .	52	+14	.3	- .7	VA. Lynchburg	60	+18	.1	- .7
IDAHO. Boise	35	- 4	.5	+ .2	Trenton	50	+12	.7	- .1	Norfolk	63	+18	.1	- .7
Lewiston	40	- 1	T	- .2	N.MEX. Albuquerque . .	48	+ 5	.7	+ .6	Richmond	62	+18	T	- .8
Pocatello	34	+ 1	.4	+ .2	Roswell	56	+ 9	T	- .1	Roanoke	63	+21	.3	- .5
ILL. Cairo	62	+18	1.4	+ .3	N.Y. Albany	40	+11	.2	- .4	WASH. Colville	35	0	T	- .3
Chicago	47	+14	1.1	+ .6	Binghamton	42	+14	.6	0	Omak	36	0	.2	0
Moline	50	+18	1.0	+ .5	Buffalo	42	+13	1.2	+ .6	Quillayute	38	- 4	7.0	+ 4.4
Peoria	51	+18	1.4	+ .9	New York	48	+10	.6	- .3	Seattle-Tacoma	42	- 1	1.4	+ .5
Rockford	43	+13	.8	+ .3	Rochester	44	+15	.8	+ .2	Spokane	35	- 1	T	- .4
Springfield	58	+22	1.8	+ 1.3	Syracuse	42	+12	.7	0	Walla Walla	45	+ 1	T	- .3
IND. Evansville	65	+24	2.3	+ 1.3	N.C. Asheville	61	+18	.1	- 1.0	Yakima	40	0	T	- 1
Ft. Wayne	48	+15	1.6	+ 1.0	Charlotte	68	+20	T	- 1.1	W. Va. Beckley	59	+22	.9	- 1
Indianapolis	59	+23	.8	0	Greensboro	65	+20	.2	- .6	Charleston	63	+22	.6	- .3
South Bend	42	+10	1.4	+ .9	Hatteras	66	+17	0	- .9	Huntington	64	+23	1.2	+ .3
IOWA. Burlington . . .	51	+18	1.4	+ .9	Raleigh	68	+22	T	- .8	Parkersburg	62	+22	.6	- .2
Des Moines	47	+17	1.3	+ .8	Wilmington	72	+20	0	- 1.0	WIS. Green Bay	37	+13	.3	0
Dubuque	41	+13	1.1	+ .6	N.DAK. Bismarck . . .	30	+10	T	- .1	La Crosse	39	+12	.1	- .3
Sioux City	44	+15	T	- .3	Fargo	27	+ 8	T	- .1	Madison	39	+13	1.2	+ .8
KANS. Concordia	49	+13	.6	+ .3	Williston	28	+ 8	.2	+ .1	Milwaukee	40	+12	1.3	+ .9
Dodge City	51	+13	1.4	+ 1.2	OHIO. Akron-Canton . .	51	+18	2.8	+ 2.1	Chester	36	+ 7	0	- .2
Goodland	40	+ 6	.5	+ .3	Cincinnati	61	+23	.6	- .3	Cheyenne	43	+13	.2	0
Topeka	54	+16	1.2	+ .8	Cleveland	49	+16	1.7	+ 1.1	Lander	37	+ 8	T	- .2
Wichita	55	+15	2.3	+ 2.0	Columbus	59	+23	.2	- .5	Sheridan	32	+ 4	.2	0
KY. Lexington	62	+22	2.4	+ 1.3	Dayton	57	+22	.5	- .2	P.R. San Juan	78	+ 2	1.4	+ .9
Louisville	64	+23	1.8	+ .7	Toledo	44	+12	2.2	+ 1.7					

Based on 1941-70 normals.

CONDENSED STATE SUMMARIES

The Bulletin capsulizes nationally important weather and crop conditions. Every Monday SRS publishes more detailed data in State Weekly Weather and Crop Bulletins in cooperation with the National Weather Service, NOAA. Voluntary weather observers, crop reporters, and county extension agents contribute weekly observations for these reports.

ALABAMA: Extremely dry over State past 17 days. Light rainfall Tennessee Valley early week. Records indicate late winter warm spell since beginning of March has never been exceeded. Average statewide temperature past week 17° above normal, with many new record-highs established.

Preparation of seedbeds for spring planting made good progress as open weather prevailed entire week. Planting vegetables and corn continued on limited basis south. Small grains made good growth, especially acreage that has been topdressed. Few fields south beginning to head. Irish potatoes in Baldwin County area made good recovery from earlier cold weather. Planting summer potatoes on Sand Mountain underway. Peach trees in Chilton County blooming freely, orchardists busy applying blossom sprays. Pastures beginning to green and provide fair grazing. Clover and fescue pastures furnishing good grazing south half. Feeding of roughages greatly reduced most farms.

ARIZONA: Dry weather statewide 4th through 7th. Moderate intensity storm deposited precipitation exceeding weekly normal central, northern areas end of week. Snow 4 to 8 in. 8th above 5,000 feet, rapid melting 10th. Weekly precipitation no more than 0.50 in. south areas. Temperatures 4th through 7th about normal, cooling late in week to 7° to 15° subnormal 8th through 10th.

Late planting small grains Yuma, Maricopa Counties. Growth rates normal or better. Early plantings reached boot stage. Safflower planting complete except Yuma County. Growing conditions favorable. Preparation 1974 cotton crop well underway. Some early planting but many fields still too cool for good germination. Sugar beets continued good progress. Tap roots advanced, sugar content favorable. Haying operations picking up warmer desert areas.

Spring lettuce began on 5th central areas. Head size variable, quality good. Harvest continued full swing Yuma area. Market conditions improved. Harvest mixed vegetables continued. Earlier planted vegetables making good growth. Planting, thinning for later harvest active. Watermelons, cantaloupes good stands central, western areas. Planting for summer harvest active. Limited Valencia orange harvest continued Yuma, Salt River Valley. Few grapefruit being picked. Groves abundant new growth. Buds, blooms heavy all varieties.

Ranges poor to fair most of State except very poor Graham County. Prospects improved by long awaited rain late in week. Snow reported mountain areas. Soil moisture, stockwater supplies mostly short but last week's moisture improved conditions. Cattle, calves mostly fair to good. Sheep, lambs condition varies very poor Graham County to good Pinal, fair other counties. Activity Navajo County centered around calving. Marketed steers, culled cows Pinal County.

ARKANSAS: Continued extremely warm. Temperatures 16° to 20° above normal. Extremes: 86° at Camden on 7th, 32° at Gilbert on both 5th and 6th. Light rains fell over north half early week. Heavier amounts generally over 1.00 in. observed over most of State by end of week. Exception was extreme south where only light amounts fell. Precipitation amounts during week ranged from 3.30 in. at Ozark

to trace at Arkansas City.

Land and seedbed preparation ahead of normal. Crop farmers were able to spend whole week on field-work without any interruptions by weather. Top-dressing of pastures and small grains practically finished. Cool season pastures and small grains made very good growth last week though most cattle remained on full feed. Orchards in full bloom. Some farmers had trouble getting adequate supplies of fertilizer.

CALIFORNIA: Storms brought widespread cloudiness and precipitation Wednesday into weekend. Precipitation amounts varied from several inches over some mountain area to light amounts in the southeast interior. Average temperatures several degrees below normal nearly all areas. Freezing temperatures reported early in week and again at end of week in lower valleys north and central.

Rains halted all work in north, beneficial in south. Oats and barley snow good growth. Sugar beet and safflower planted. Corn, rice, cotton ground preparation. Alfalfa weevil control measures reported. Perlette grapes leafing out Coachella Valley. Stone fruits blooming. Cool temperatures damaged flowering fruit Los Angeles. Fuerta avocados setting fruit. Rain aided lemon crop.

Artichokes gradually increased. Asparagus increased south, started in Delta. Broccoli, cauliflower good volume Santa Maria, broccoli good Salinas. Cabbage increased south coast. Carrot declined desert due to market conditions. Celery south coast decreased slightly. Lettuce declined Imperial, increased Palo Verde. Strawberry picking increased south. Staking fresh market tomatoes started Visalia. Processing tomato planting continued San Joaquin Valley and in Sacramento Valley as fields dry.

Grass was beginning to deteriorate south, central areas but rain gave new vigor. Cool weather most State slowed grass growth. Most streams, stock ponds full; should carry through summer. Supplemental feeding stock many areas, heavy in north. Livestock very good. Bee colonies increasing colony strength rapidly in San Joaquin Valley almond and other pollen and nectar producing areas.

COLORADO: Most week fair and mild. A major spring storm late in week brought moderate to locally heavy precipitation to much of south and east and temporarily ended the very dry weather in southeast. Precipitation totals over south and east generally 0.25 to 0.75 in. with Trinidad, La Junta and Lamar all receiving over 0.50 in. A blanket of 1 to 7 in. snow covered east end of week. Akron with 7 in. on ground had heaviest snowfall. Temperatures averaged much above seasonal. Highs climbed to 60's and 70's over east several days while highs in 40's and 50's common in lower elevations of west. Most daily lows in teens to 30's. Highest was 81° at Lamar on 8th. Late week storm plunged highs to 20's, 30's and 40's statewide.

Warm, dry weather eastern plains allowed general field preparation for seeding. Sugar beet planting expected to begin March 15. Winter wheat and barley generally good condition. Spring snow over week-end helped fall seeded grains eastern plains. Livestock generally good. Calving and lambing full swing.

FLORIDA: Warm and dry. Some record-high temperatures for so early in season. Few showers on southeast coast only significant rainfall.

Land preparation for spring planting continued active. Planting early corn and other spring crops starting. Soil moisture short many areas. Tobacco plants large, ready for transplanting. Small grains made adequate growth, mildew attacking wheat. Sugarcane harvest continued. Young plant and stubble cane making good growth and recovery from February freeze. Pastures poor to fair as dry weather limits improvement from earlier cold weather. Cattle and calves maintaining fair to good condition with little gain.

Citrus tree condition varies from good where irrigated to not so good where not irrigated -- new growth trying to begin -- rain badly needed all areas -- some petal drop from bloom -- other trees no bloom yet. Vegetable crops recovering from recent cold. Tomato, pepper shipments increased sharply. Cabbage steady. Snap beans steady, return to good volume this week. Potatoes showing some movement, increasing. Lettuce increased, other leaf crops steady. Sweetcorn, celery continued steady. Strawberries near peak. Squash, mixed vegetables declined.

GEORGIA: Second consecutive week with no measurable precipitation. Temperatures averaged 5° to 8° above normal south, 14° above normal north third. Sharp contrast to previous week's cool weather. Warm and dry with record breaking highs all sections.

Soil moisture mostly adequate to dry. Small grains fair to mostly good with some clipping of grain in north. Land preparation in full swing with corn being planted some southern areas. Tobacco plants good. Fuel and fertilizer short supply in some areas. Plenty of live buds left for a peach crop. Pastures and cattle good.

HAWAII: Weather variable, light to heavy rains most crop areas. Benefitted crop progress, excessive moisture in few areas hampered farm operations, slowed crop growth. Heavy irrigation necessary dry areas. Spraying for insect and disease control active. Banana and papaya production continued light. Vegetables adequate supply. Pastures and cattle in good condition. Pineapple operations active. Strike idled sugar operations.

IDAHO: A cold, wet week for most of State. Temperatures averaged 2° to 5° subnormal with highs generally in 40's and lows in teens and 20's. One to 4 in. snow fell from central mountains south and east end of week to bring precipitation totals 0.50 in. to 1.00 in. above normal. Snow level in central mountains and higher elevations increased 5 to 10 in. Wet weather brought muddy conditions for calving, lambing, and feeding of livestock. Hauling feed to livestock difficult across soft fields and pastures. Calving losses increased northeast localities. Starting to shear sheep lower elevation areas. Wet weather delaying spring land preparation. Sorting and shipping of seed potatoes underway. Snow storm end of period slowed farm marketing in east.

ILLINOIS: Very warm, wet week. Temperatures 18° to 22° above normal. Highs averaged 40's and 50's north to 70's and 80's south. Lows averaged 30's and 40's north to 50's and 60's south. Warmest day on 6th when above 60° north. Precipitation averaged above 1.00 in., heaviest amounts 4th and 9th.

Main activities: Livestock care, machinery repair, fertilizer application, general preparation for spring fieldwork.

INDIANA: Very warm week, temperatures 17° to 24° above normal. Highest near record level in 80's south and 70's central. Thunderstorms and showers occurred 3 to 4 days and heaviest amounts 1.00 in. north and 2.00 in. south.

Soils completely thawed and warmth rapidly advanced perennial crops. Fieldwork nil. Wet soils limited equipment use. Greening up continues. Swelling fruit buds causing concern of frost damage later. Major activities preparing equipment and supplies.

IOWA: Temperatures averaged 12° to 19° above normal. New record highs set on 6th across most of State with readings in 60's and lower 70's. Late week colder. Extremes: 24° at Sibley on 5th, 75° at Council Bluffs on 6th, and also at Albia and Burlington on 8th.

Tuesday and Wednesday mostly sunny. Rain on Monday rather general. First thunderstorms of season arrived Friday morning and more showers late Sunday night. Week's precipitation averaged 0.10 to 0.20 in. subnormal west border up to 0.50 to 0.80 in. above normal southeast.

KANSAS: Temperatures averaged from 6° above normal westcentral to 22° above normal southeast. Extremes: 84°, 16°. Precipitation over weekend, 0.50 in. or more over most State with 6.75 in. in Crawford County. Seven southeast counties received in excess of 4.00 in. Severe weather Thursday night and early Friday morning resulted in some tornado activity northeast.

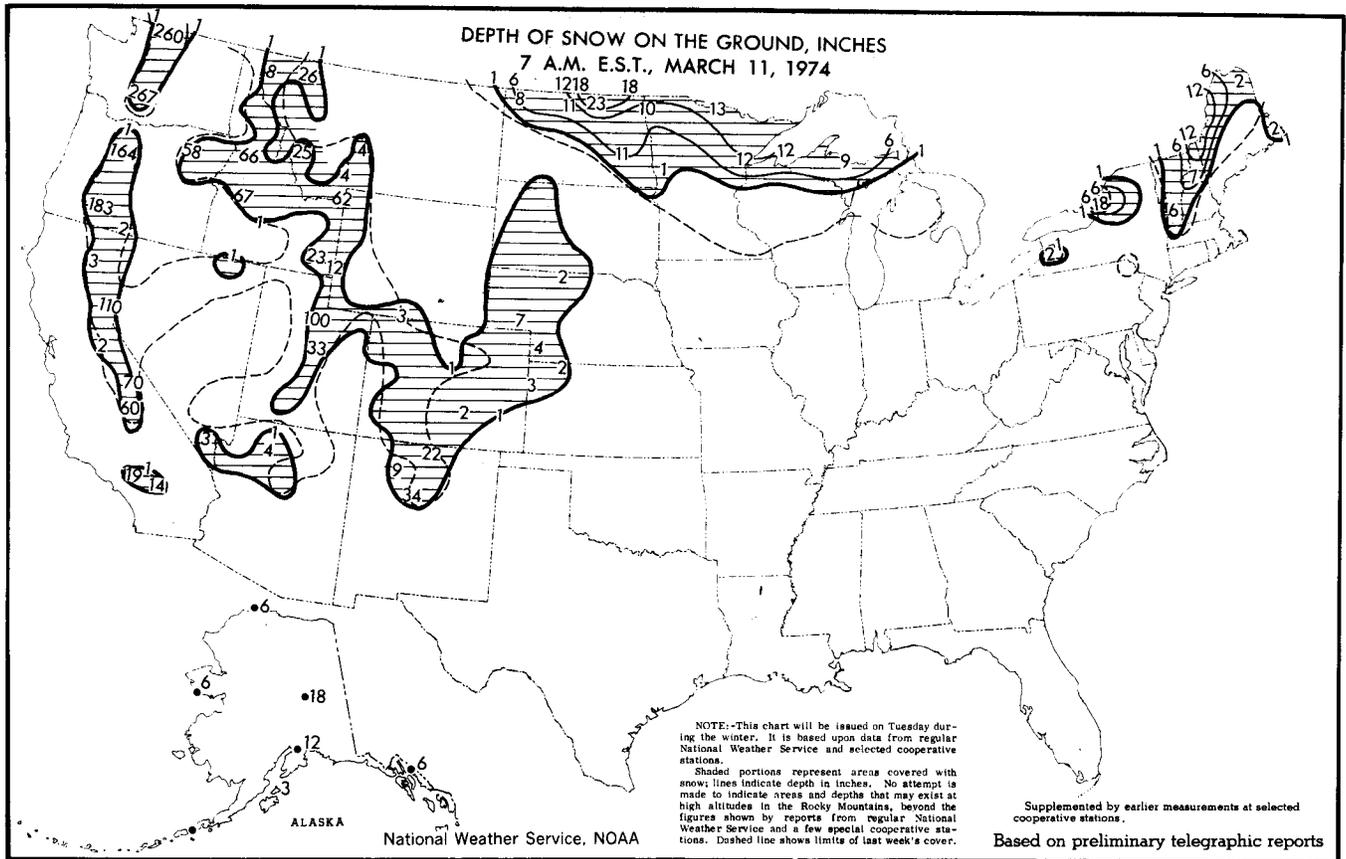
Wheat crop making excellent growth. Weekend moisture over entire State relieved dry topsoil conditions. Some flooding southeast. Ground cover on wheat fields much improved. Army cutworms reported southwest, no damage. Some spraying for mustard in wheat local areas. Spring barley acreage 20% planted, 5% a year ago, 10% average. Spring oats acreage 30% planted, 5% a year ago, 20% average. Row crop ground being worked. Grasses greening. Livestock doing well.

KENTUCKY: Unseasonably warm throughout week. Temperatures averaged about 20° above normal. Rainfall totals mostly 1.00 to 1.50 in. Showers and thundershowers 6th, 7th and 9th. Small hail fell at Covington Thursday morning.

Warm and sunny weather forcing development vegetative growth of small grains, early fields knee high. Concern over rapid development wheat and barley as crops would be susceptible to freeze damage if reached boot stage or beyond followed by hard freeze. Considerable plowing well drained soils in preparation for corn planting. Tobacco beds being seeded. Livestock good condition, some grass tetany caused by early season grasses.

LOUISIANA: Warm days, mild nights. Temperatures averaged 9° to 19° above normal, greatest departures north. Extremes: 86° Shreveport on 9th, 55° Clinton on 8th. Precipitation confined to brief morning coastal drizzle until Sunday when scattered thundershowers occurred. Greatest 1-day rain 0.89 in. Baton Rouge Monday morning.

Excellent drying conditions. Farmers prepared land, applied nitrogen to small grains and pastures, and planted gardens. Few fields early rice planted. Days favorable for fieldwork averaged 5.9 days. Sugarcane shaving and herbicide application active. Earlier flooding reduced stands in a few fields. Strawberry harvest continued, some rot but crop generally looks good. Sweet potato bedding beginning. Small grains fair to good. Pastures improving, 5% above average, 80% average, 15% below. Cattle reported 10% poor, 45% fair, 45% good. Supplemental feeding continued.



MARYLAND AND DELAWARE: Temperatures much above normal, averaged 14° to 18° above normal. Highs ranged from low 70's to 80° set new records at several stations. Lows ranged from mid-20's to 41°. Precipitation over two States ranged from less than 0.25 to over 0.75 in., heaviest in Garrett County.

Fieldwork picked up as soils dried. Fertilizing small grains was high priority job. Plowing also active. Tobacco bed seeding continued. Livestock being pastured on small grains as fields become firmer.

MICHIGAN: Weekly precipitation totaled 1.50 to 3.50 in. over south lower, 0.40 to 1.50 in. central lower, and 0.40 in. or less over north lower and upper peninsula. Most fell on 4th, 8th and 9th as showers and thunderstorms south and rain or freezing rain north.

Temperatures averaged 11° to 18° above normal over lower and 9° to 11° above normal over upper. Highs in upper 50's or low 60's over lower Wednesday and over southern lower Thursday, but dropped into 20's or low 30's over upper Thursday and into 30's over lower peninsula Friday.

MINNESOTA: Temperatures averaged 5° to 9° above normal from central to northeast districts and 10° to 15° above normal elsewhere. Warmest early week with afternoon highs upper 60's southwest to upper 40's northeast. Lowest temperatures late week, mid-20's extreme southwest to 5° below zero extreme northwest.

Precipitation again below normal with trace to 0.05 in. central and west, 0.44 in. extreme southeast, and 0.28 in. extreme northeast. New snowfall

of 1 to 3 in. northeast. Snow cover confined to north third with 9 to 13 in. northeast and 2 to 7 in. northwest. Farm activities progressed very satisfactorily.

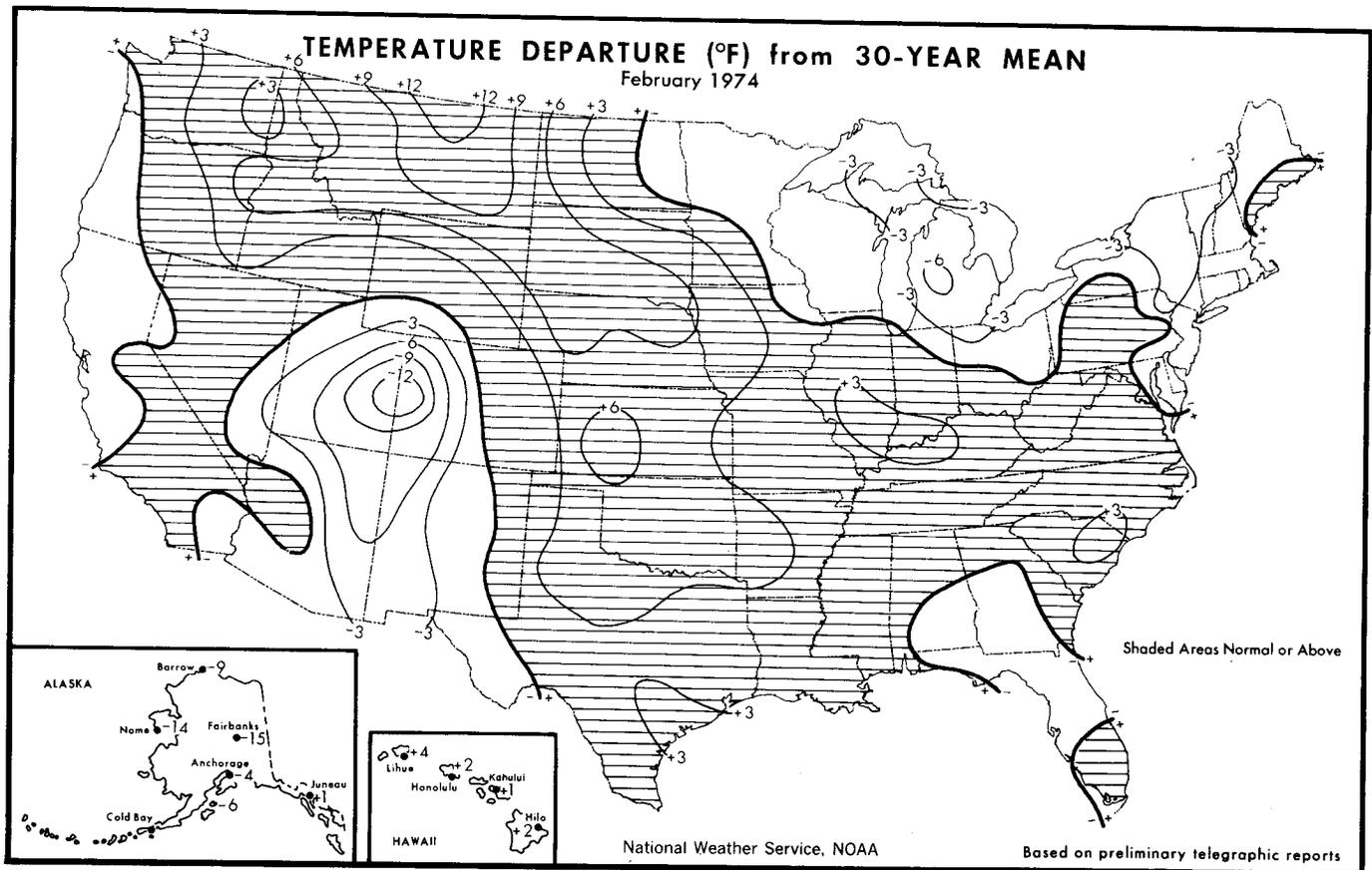
MISSISSIPPI: Warm, dry springlike weather. Winds moderate and southerly. Temperatures averaged about 15° above normal. Extremes: 86° on 6th, 42° on 2d. Rainfall sparse. One station received a 1-day total of 1.37 in. on 7th. Weekend continued warm with a few spotty showers over northern third.

Soil moisture adequate. Major farm activities: Feeding livestock, land preparation and topdressing winter pastures. Fieldwork averaged 5.7 days suitable. Fall and spring plowing 25% completed, 11% previous week, and 19% year ago. Wheat and oats mostly fair with some jointing. Irish potatoes 51% planted. Pastures, livestock and truck crops fair to good.

MISSOURI: Unusually warm week. Highs rose into 70's and 80's several days. Records for high temperatures so early in year approached or broken over most of State. State averaged more than 20° above normal. St. Louis and Springfield averaged 25° above normal. Showers general, totals varying from zero at a few locations to 1.00 to 2.00 in. or more at other locations.

MONTANA: Week began and ended warm and dry. A weak arctic outbreak brought colder temperatures to State and some snow midweek. Temperatures averaged near or above normal with highs over plains in 50's during weekend. Subzero lows southwest valleys late week. Precipitation above normal in

(Continued on Page 13)



WEATHER - FEBRUARY 1974

PRECIPITATION: On the average, precipitation was well below normal over much of the Nation. Above normal areas were restricted to the Pacific Northwest, portions of the Dakotas and the Corn Belt, portions of Missouri and Oklahoma and a 7-State area in the Southeast. With the exception of parts of Oklahoma, where rainfall was about twice the norm, departures above normal were small. More significantly, the southern and central Plains, the entire Southwest and other western States and all of Texas received well below normal rainfall. Lubbock, Tex., in the heart of the present drought area, received only 0.01 in. rain, for a total of 0.09 in. rainfall the past 4 months, the lowest 4-month total for any period at that station. Heaviest amounts fell in the Pacific Northwest where 8.00 in. or more fell along the Pacific Coast. Four inches or more also fell over most of the Southeast, although this is just slightly above normal.

The major storm during the first decade occurred at mid-period when a complex frontal system that stretched from the northern Rockies through Texas moved rapidly eastward. It triggered snow, rain and thunderstorms from Colorado to the Great Lakes and spread precipitation over New England, mostly as snow. Rain fell over the South with 3.00 in. or more in southeastern Alabama.

Midmonth was generally dry except for the Southeast which again received plentiful rainfall. Heaviest precipitation over the Northeast occurred during the last decade.

TEMPERATURE: The greatest departures in average monthly temperatures occurred over the Rocky Mountain States, although the greatest variations during the month occurred east of the Rockies. Unusually mild temperatures persisted over the northern Rockies most of the month, and the unusual cold in the Southwest. Temperatures to the east were extremely cold early in the month, while later in the month, temperatures began a push for an early spring.

The month began with extremely cold air enveloping all of the area from the Central Plains to the midsouth and all of the Northeast. Temperature extremes were great as temperatures in Minnesota dropped well below zero and over 80° in southern Texas. The cold temperatures continued through the first decade. Temperatures dropped into the 30's on several nights in Florida and into the -30's in Minnesota. Temperatures in the Texas Panhandle tumbled from the 50's and 60's into the low 20's on the 5th and 6th.

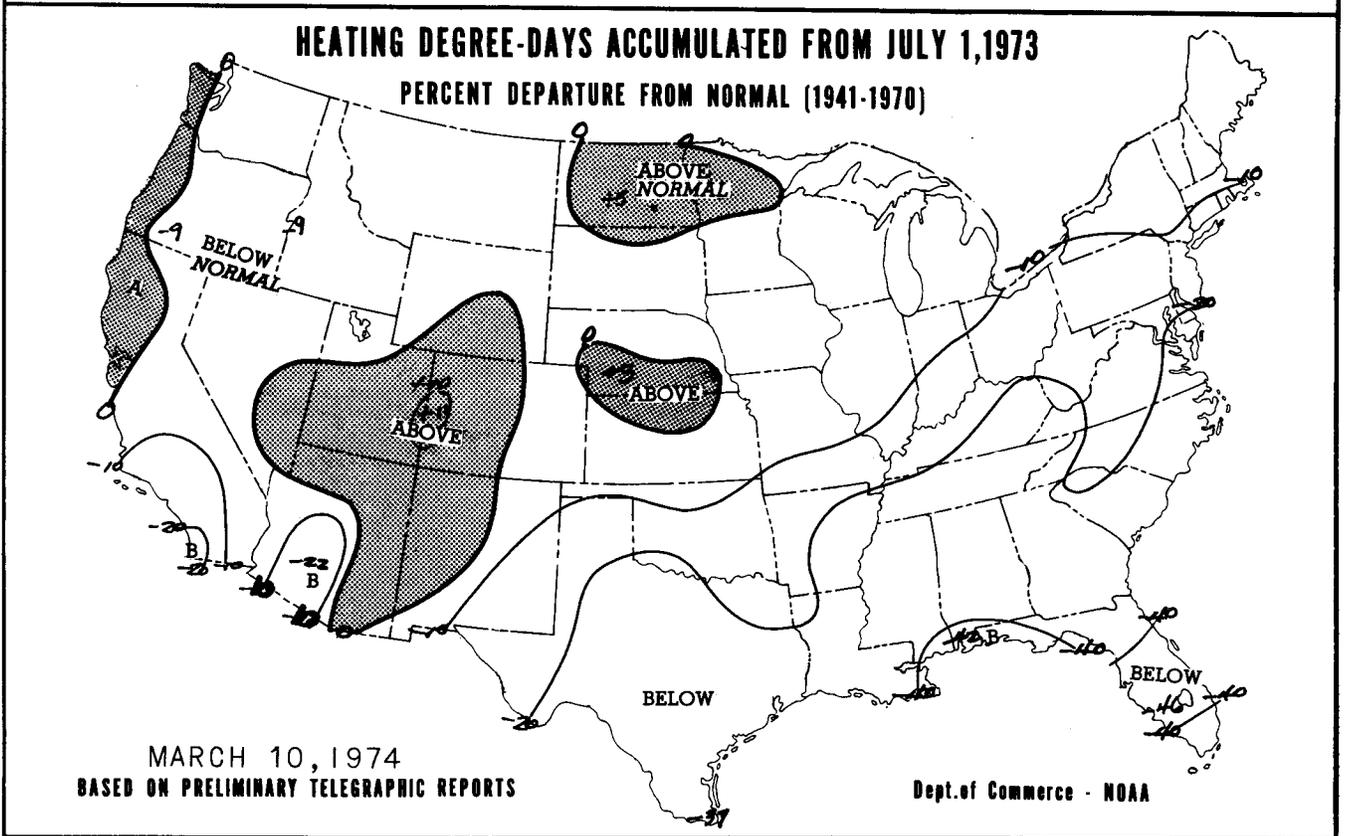
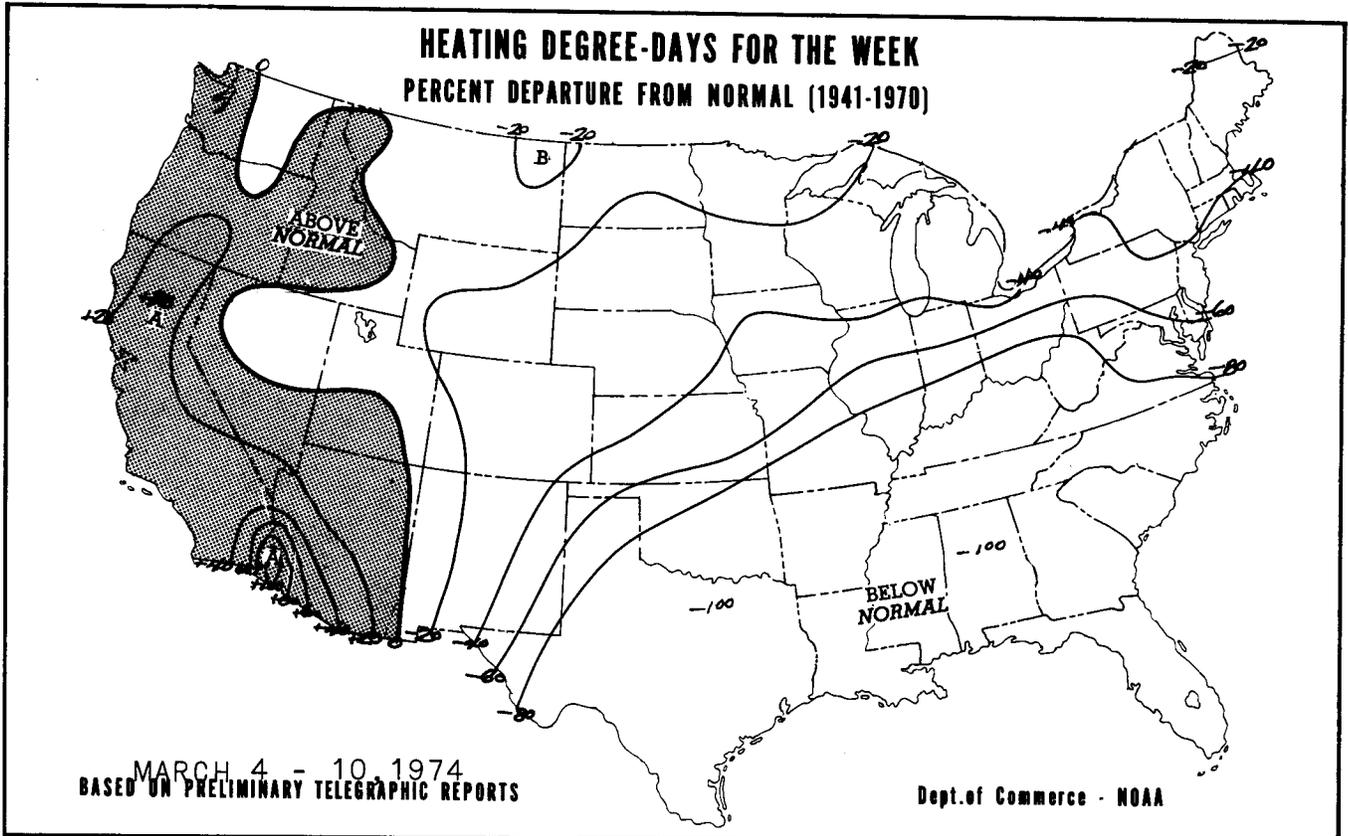
Temperatures warmed markedly at midmonth and after a short cold spell, continued warm through the remainder of the month over many parts of the Country. Temperatures reached into the 50's and 60's in many of the Plains States on several days.

The month ended with springlike temperatures across the Nation. Temperatures averaged as much as 15° to 18° above normal over the central Plains. Subnormal temperatures were restricted to Georgia, Florida, and sections of Nevada and Utah.

Temperature and Precipitation Data for February 1974

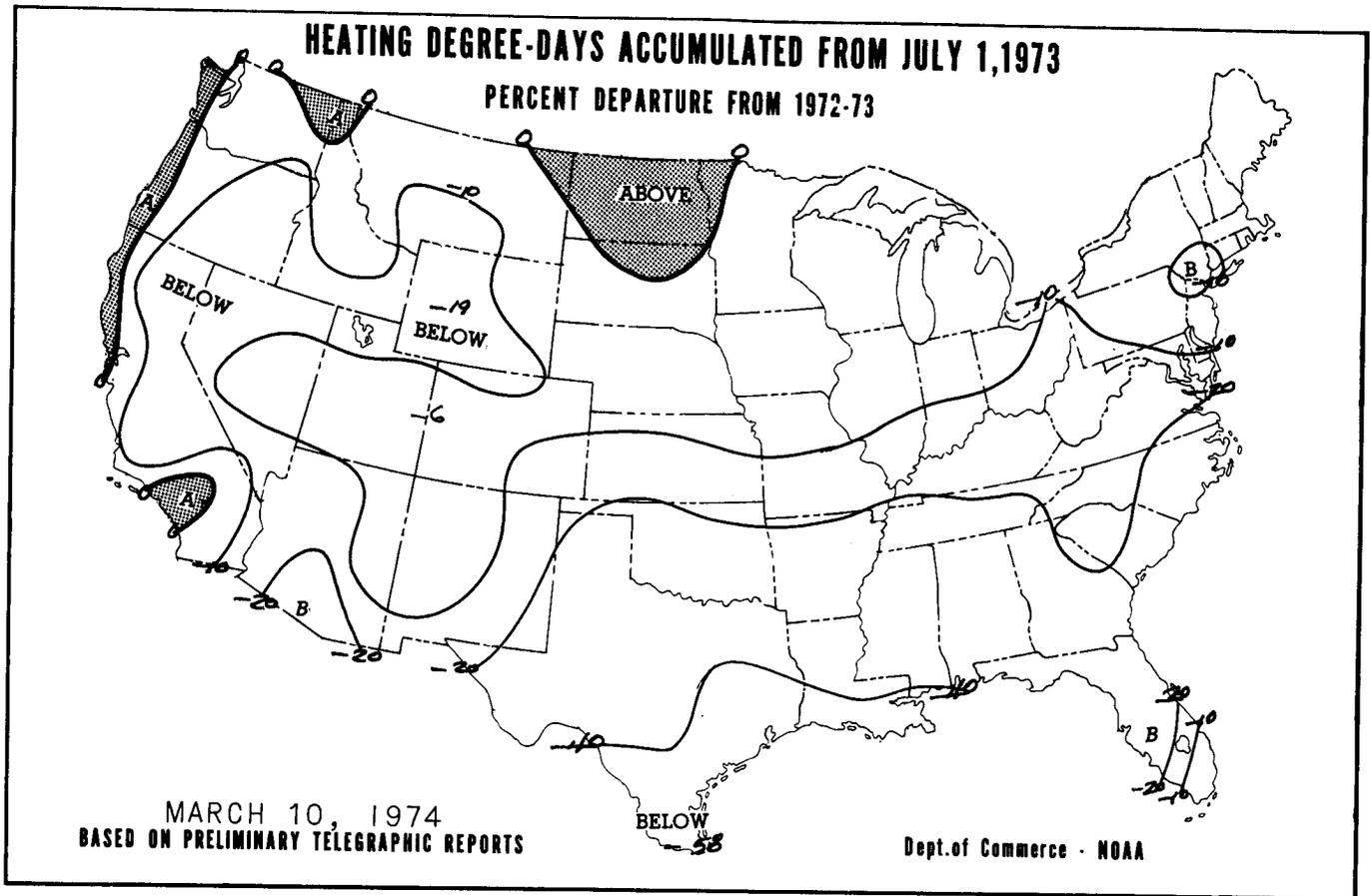
States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA.Birmingham. . .	47	0	4.9	- .4	La.Baton Rouge. . .	55	+ 1	6.7	+ 1.9	Youngstown. . . .	25	- 2	1.6	- .8
Mobile.	55	+ 1	6.5	+1.7	Lake Charles. . .	56	+ 1	3.9	- .6	OKLA.Okla. City . .	44	+ 3	2.7	+ 1.4
Montgomery. . . .	50	- 1	2.1	-2.2	New Orleans. . . .	56	0	5.5	+ .7	Tulsa.	44	+ 3	3.2	+ 1.5
ALASKA.Anchorage. .	14	- 4	1.2	+ .4	Shreveport. . . .	51	0	3.7	0	OREG.Astoria. . . .	42	- 2	8.4	+ .6
Barrow.	-28	- 9	.1	- 1.1	MAINE.Caribou. . .	11	- 2	1.4	- .7	Burns.	33	+ 2	.8	- .4
Fairbanks.	-18	-15	.3	- .2	Portland.	25	+ 2	2.1	-1.4	Medford.	40	- 1	2.8	+ .6
Juneau.	29	+ 1	6.2	+2.8	MD.Baltimore. . .	34	- 1	.9	- 1.9	Pendleton.	44	+ 5	1.6	+ .5
Kodiak.	25	- 6	3.9	-1.0	MASS.Boston. . . .	29	- 1	3.2	- .3	Portland.	43	0	4.6	+ .5
Nome.	-9	-14	.1	- .7	Chatham.	31	-	4.2	-	Salem.	42	- 1	5.6	+ .8
ARIZ.Flagstaff. . .	31	0	.3	-1.2	MICH.Alpena. . . .	14	- 4	1.4	0	PA.Allentown. . . .	30	+ 1	1.6	- 1.2
Phoenix.	57	+ 2	T	- .6	Detroit.	24	- 3	2.4	+ .6	Erie.	25	0	1.9	- .2
Tucson.	52	- 2	T	- .7	Flint.	21	- 3	2.2	+ .6	Harrisburg.	32	0	1.4	- 1.0
Winslow.	34	- 5	T	- .4	Grand Rapids. . .	21	- 4	2.1	+ .6	Philadelphia. . . .	32	- 2	2.1	- .5
Yuma.	58	- 1	0	- .3	Houghton Lake. . .	14	- 4	1.1	- .1	Pittsburgh.	30	+ 1	2.1	- .3
ARK.Fort Smith. . .	46	+ 3	1.8	-1.4	Lansing.	19	- 5	2.6	+ 1.0	Scranton.	24	- 4	1.5	- .5
Little Rock. . . .	46	+ 3	2.6	-1.8	Marquette.	16	- 4	1.4	- .1	R.I. Providence. . .	29	0	3.0	- .5
CALIF.Bakersfield. .	53	+ 1	.1	- .9	Muskegon.	20	- 5	2.2	+ .4	S.C.Charleston. . .	52	+ 1	3.0	- .3
Eureka.	46	- 2	6.0	+ .8	S. Ste. Marie. . .	14	- 1	1.4	- .1	Columbia.	51	+ 3	4.5	+ .8
Fresno.	49	- 1	.2	-1.5	MINN.Duluth. . . .	11	- 1	.8	- 1	Greenville.	44	0	4.9	+ .5
Los Angeles. . . .	59	+ 1	.1	-2.7	Internat'l Falls. .	6	- 1	.6	- 1	S.D. Aberdeen. . . .	18	+ 3	.3	- .3
Red Bluff.	48	- 2	1.5	-1.7	Minneapolis. . . .	17	0	1.1	+ .3	Huron.	24	+ 6	.7	- .1
San Diego.	58	+ 1	T	-1.5	Rochester.	16	- 1	.7	0	Rapid City.	33	+ 7	.3	- .3
San Francisco. . . .	49	- 2	1.7	-1.3	St. Cloud.	13	0	.8	0	Sioux Falls.	24	+ 5	.3	- .7
Stockton.	49	0	.7	-1.4	MISS.Jackson. . . .	50	0	6.7	+ 2.1	TENN.Chattanooga. .	43	0	5.7	+ .5
COLO.Denver. . . .	35	+ 2	.8	+ .1	Meridian.	51	+ 1	5.3	+ .4	Knoxville.	43	0	5.2	+ .5
Grand Junction. . .	20	-14	.4	- .2	MO.Columbia. . . .	35	+ 1	2.7	+ .9	Memphis.	46	+ 2	4.6	- .1
Pueblo.	37	+ 2	.2	- .1	Kansas City. . . .	35	+ 2	1.1	- .2	Nashville.	42	+ 1	3.0	- 1.4
CONN.Bridgeport. . .	30	- 1	2.0	- .7	St. Louis.	36	+ 1	4.2	+ 2.1	TEX.Abilene.	51	+ 3	.6	- .4
Hartford.	27	0	2.0	-1.2	Springfield. . . .	39	+ 2	1.9	- .3	Amarillo.	42	+ 2	.2	- .4
D.C.Washington. . .	39	+ 2	1.0	-1.5	MONT.Billings. . . .	36	+ 9	.2	- .4	Austin.	56	+ 3	.4	- 2.7
FLA.Apalachicola. .	57	+ 1	1.9	-1.9	Glasgow.	26	+11	.2	- 1	Beaumont.	55	0	3.7	- .5
Daytona Beach. . . .	60	0	1.1	-1.8	Great Falls. . . .	34	+ 7	.3	- .5	Brownsville.	64	+ 1	T	- 1.5
Ft. Myers.	66	+ 1	.8	-1.2	Havre.	30	+12	.2	- .2	Corpus Christi. . .	62	+ 2	T	- 2.0
Jacksonville. . . .	56	0	1.3	-2.3	Helena.	33	+ 8	.2	- .2	Del Rio.	57	+ 1	0	- 1.0
Key West.	72	- 1	.4	-1.5	Kalispell.	32	+ 7	1.0	0	El Paso.	45	- 3	T	- .4
Lakeland.	61	0	.8	-1.7	Miles City.	31	+ 9	.2	- .3	Fort Worth.	52	+ 3	1.0	- 1.4
Miami.	69	+ 1	.1	-1.9	Missoula.	32	+ 5	.7	0	Galveston.	59	+ 3	.8	- 1.9
Orlando.	61	- 1	.6	-2.4	NEBR.Grand Island. .	32	+ 4	.1	- .7	Houston.	56	+ 1	.6	- 2.9
Tallahassee.	54	- 1	2.9	-1.9	Lincoln.	31	+ 3	1	- .8	Lubbock.	46	+ 3	T	- .5
Tampa.	61	- 1	.9	-2.0	Norfolk.	30	+ 6	1	- .7	Midland.	50	+ 2	.3	- .3
W.Palm Beach. . . .	67	+ 1	.4	-2.2	N.Platte.	33	+ 5	1	- .4	San Angelo.	52	+ 2	T	- .8
GA.Atlanta.	46	+ 1	6.4	+2.0	Omaha.	30	+ 4	.2	- .8	San Antonio.	57	+ 2	T	- 2.1
Augusta.	49	+ 1	5.8	+2.0	Valentine.	30	+ 5	.2	- .3	Victoria.	60	+ 3	.3	- 2.0
Macon.	50	0	5.4	+1.0	NEV.Ely.	28	0	.3	- .3	Waco.	53	+ 2	1.2	- 1.2
Savannah.	53	+ 1	2.8	- .1	Las Vegas.	49	0	1	- .2	Wichita Falls. . . .	50	+ 4	1.5	+ .3
HAWAII.Hilo.	73	+ 2	7.6	-5.3	Reno.	36	- 1	.3	- .6	UTAH.Blanding. . . .	26	- 7	1	- .8
Honolulu.	74	+ 2	1.3	-1.2	Winnemucca. . . .	36	+ 2	.3	- .5	Salt Lake City. . . .	31	- 2	1.6	+ .4
Kahului.	73	+ 1	.1	-2.5	N.H.Concord. . . .	21	- 2	2.1	- .4	VT.Burlington. . . .	16	- 3	1.5	- .2
Lihue.	75	+ 4	.9	-3.4	N.J.Atlantic City. .	33	- 1	2.4	- 1.0	VA.Lynchburg. . . .	39	+ 1	2.0	- .8
IDAHO.Boise.	39	+ 3	.7	- .5	Trenton.	32	- 1	1.9	- .8	Norfolk.	43	+ 2	3.0	- .3
Lewiston.	41	+ 3	1.6	+ .7	N.MEX.Albuquerque. .	38	- 2	1	- .3	Richmond.	40	+ 1	2.5	- .5
Pocatello.	30	+ 1	.7	- .1	Roswell.	43	0	T	- .4	Roanoke.	39	+ 1	2.1	- 1.0
ILL.Cairo.	41	+ 1	1.7	-2.1	N.Y.Albany.	21	- 3	2.1	0	WASH.Colville. . . .	34	+ 3	2.2	+ .8
Chicago.	27	0	2.1	+ .5	Binghamton.	22	- 1	1.7	- .6	Omak.	35	+ 5	1.9	+ .8
Moline.	27	+ 1	1.6	+ .3	Buffalo.	22	- 2	2.2	- .4	Quillayute.	41	0	17.4	+ 5.4
Peoria.	29	+ 1	1.6	+ .1	New York.	32	- 1	1.3	- 1.8	Seattle-Tacoma. . . .	43	+ 1	4.0	- .2
Rockford.	24	0	1.7	+ .4	Rochester.	25	0	2.1	- .3	Spokane.	35	+ 3	1.8	+ .1
Springfield.	33	+ 3	3.2	+1.5	Syracuse.	22	- 3	1.7	- 1.1	Walla Walla.	44	+ 4	1.6	+ .2
IND.Evansville. . . .	40	+ 4	1.5	-1.8	N.C.Asheville. . . .	41	+ 2	4.2	+ .6	Yakima.	40	+ 4	.8	0
Ft. Wayne.	26	- 2	2.1	0	Charlotte.	44	0	4.9	+ 1.1	W.Va.Beckley. . . .	34	+ 1	2.0	- 1.3
Indianapolis.	32	+ 1	2.6	+ .2	Greensboro.	41	0	3.1	- .3	Charleston.	37	0	2.5	- .6
South Bend.	28	+ 2	2.2	+ .3	Hatteras.	48	+ 2	4.1	- .1	Huntington.	38	+ 2	1.8	- 1.1
IOWA.Burlington. . .	29	+ 2	1.2	- .1	Raleigh.	43	+ 1	2.9	- .4	Parkersburg.	35	0	1.6	- 1.2
Des Moines.	28	+ 4	.8	- .3	Wilmington.	50	+ 2	4.2	+ .8	WIS.Green Bay. . . .	17	- 1	1.2	+ .2
Dubuque.	21	- 1	1.4	+ .1	N.DAK.Bismarck. . .	16	+ 2	.3	- .1	La Crosse.	19	- 1	1.6	+ .7
Sioux City.	30	+ 7	.2	- .7	Fargo.	10	- 1	.4	0	Madison.	18	- 2	1.2	+ .2
KANS.Concordia. . . .	36	+ 4	T	- .9	Williston.	20	+ 6	.3	- .2	Milwaukee.	23	0	3.1	+ 2.0
Dodge City.	41	+ 6	T	- .6	OHIO.Akron-Canton. .	27	- 1	1.9	- .3	WYO.Casper.	28	+ 1	.4	- .1
Goodland.	35	+ 3	.4	0	Cincinnati.	34	+ 1	1.6	- 1.4	Cheyenne.	31	+ 2	T	- .5
Topeka.	36	+ 3	1.2	+ .2	Cleveland.	28	- 1	2.4	+ .2	Lander.	27	+ 1	1.0	+ .3
Wichita.	39	+ 3	.2	- .8	Columbus.	31	+ 1	2.3	0	Sheridan.	33	+ 7	.5	- .3
KY.Lexington.	37	+ 2	2.2	-1.2	Dayton.	30	0	2.0	- .2	P.R.San Juan.	78	+ 3	.8	- 1.7
Louisville.	39	+ 3	1.6	-1.9	Toledo.	23	- 4	2.0	+ .2					

Based on 1941-70 normals.



Heating Degree Days (Base 65°) For Week Ending March 10, 1974

States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure from 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure From 1972-73		TOTAL	Departure*	TOTAL	Departure*	Departure from 1972-73
ALA. Birmingham . . .	0	-105	1831	-641	-747	Portland . . .	164	-91	5164	-519	-622	Tulsa . . .	21	-118	2849	-701	-712
Mobile . . .	0	-62	886	-629	-560	MD. Baltimore . . .	79	-98	3453	-396	-292	OREG. Astoria . . .	168	21	3929	228	286
Montgomery . . .	0	-82	1405	-601	-535	MASS. Boston . . .	127	-82	3958	-395	-383	Burns . . .	250	35	5216	-178	-387
ARIZ. Flagstaff . . .	230	2	4979	-347	-996	MICH. Alpena . . .	201	-95	6022	-369	-267	Medford . . .	179	30	3396	-335	-351
Phoenix . . .	63	12	1078	-304	-262	Detroit . . .	149	-83	4756	-286	-278	Pendleton . . .	159	-1	3754	-345	-626
Tucson . . .	86	22	1533	43	-393	Flint . . .	162	-90	5038	-420	-165	Portland . . .	156	16	3348	-225	44
Winslow . . .	175	19	3974	128	197	Grand Rapids . . .	164	-85	5065	-230	-325	Salem . . .	158	12	3643	80	-167
Yuma . . .	59	31	899	-28	-173	Houghton Lake . . .	205	-91	5997	-388	-283	PA. Allentown . . .	116	-96	4073	-564	-453
ARK. Fort Smith . . .	86	-40	2576	-323	-805	Lansing . . .	161	-90	5186	-206	-386	Erie . . .	142	-105	4560	-632	-442
Little Rock . . .	9	-118	2236	-672	-661	Marquette . . .	219	-68	6032	-185	-386	Harrisburg . . .	98	-93	3700	-560	-356
CALIF. Bakersfield . . .	90	22	1608	-247	-283	Muskegon . . .	170	-80	5124	-156	-76	Philadelphia . . .	98	-85	3515	-411	-292
Eureka . . .	131	12	3310	120	208	S. Ste. Marie . . .	234	-79	6785	-89	-51	Pittsburgh . . .	71	-142	3993	-742	-442
Fresno . . .	108	21	2103	-87	-284	MINN. Duluth . . .	269	-51	7496	33	-413	Scranton . . .	150	-77	4772	-200	-305
Los Angeles . . .	80	17	1037	-223	56	Internatl Falls . . .	305	-42	7967	-272	-59	R.I. Providence . . .	115	-102	4126	-464	-324
Red Bluff . . .	126	35	2293	131	-336	Minneapolis . . .	198	-93	6225	-387	-344	S.C. Charleston . . .	0	-82	1136	-757	-556
San Diego . . .	66	12	853	-238	-21	Rochester . . .	189	-102	6279	-232	-467	Columbia . . .	0	-99	1332	-956	-792
San Francisco . . .	114	26	2259	83	-7	St. Cloud . . .	244	-63	6862	-168	-369	Greenville . . .	0	-120	2245	-470	-412
Stockton . . .	117	23	2114	-151	-235	MISS. Jackson . . .	2	-85	1468	-566	-632	S. DAK. Aberdeen . . .	216	-81	6855	0	380
COLO. Denver . . .	159	-52	4596	2	-405	Meridian . . .	0	-87	1338	-779	-665	Huron . . .	195	-89	6089	-340	-132
Grand Junction . . .	149	-36	5085	507	-311	MO. Columbia . . .	52	-136	3927	-251	-489	Rapid City . . .	193	-64	5340	-239	-514
Pueblo . . .	128	-65	4184	-131	-676	Kansas City . . .	121	-71	4090	-167	-399	Sioux Falls . . .	178	-97	5912	-348	-405
CONN. Bridgeport . . .	128	-82	3721	-457	-653	St. Louis . . .	35	-143	3771	-170	-368	TENN. Chattanooga . . .	15	-114	2375	-619	-861
Hartford . . .	128	-101	4459	-544	-341	Springfield . . .	32	-139	3301	-480	-666	Knoxville . . .	8	-121	2354	-609	-635
DEL. Wilmington . . .	97	-88	3427	-548	-131	MONT. Billings . . .	239	-9	5199	-336	-791	Memphis . . .	2	-121	2119	-677	-954
D.C. Washington . . .	55	-106	2695	-797	-548	Glasgow . . .	246	-62	6706	-313	-58	Nashville . . .	12	-127	2423	-730	-552
FLA. Apalachicola . . .	0	-51	718	-513	-354	Great Falls . . .	249	-9	5641	-133	-279	TEX. Abilene . . .	3	-92	1841	-438	-1071
Daytona Beach . . .	1	-35	473	-341	-208	Havre . . .	284	-13	6408	-475	-62	Amarillo . . .	44	-109	2920	-518	-1097
Ft. Myers . . .	0	-17	233	-202	-109	Helena . . .	241	-17	5998	-231	-934	Austin . . .	0	-62	1179	-383	-765
Jacksonville . . .	1	-51	803	-400	-272	Kalispell . . .	263	5	5930	-550	-550	Brownsville . . .	0	-28	377	-226	-513
Key West . . .	0	0	41	-21	-20	Miles City . . .	221	-47	5696	-505	-531	Corpus Christi . . .	0	-35	633	-229	-535
Lakeland . . .	0	-26	371	-255	-217	Missoula . . .	236	-3	5647	-414	-478	Del Rio . . .	0	-47	988	-426	-660
Miami . . .	0	-7	131	-70	-7	NEBR. Grand Island . . .	145	-85	5134	-18	-277	El Paso . . .	56	-33	2113	-279	-311
Orlando . . .	0	-28	393	-257	-96	Lincoln . . .	141	-84	5140	88	-201	Fort Worth . . .	0	-90	1624	-467	-767
Tallahassee . . .	4	-51	950	-474	-382	Norfolk . . .	156	-96	5320	-282	-437	Galveston . . .	0	-53	653	-441	-649
Tampa . . .	0	-28	398	-264	-187	North Platte . . .	172	-63	5443	138	-427	Houston . . .	0	-54	995	-306	-717
W. Palm Beach . . .	0	-11	171	-120	-8	Omaha . . .	135	-105	5125	-201	-356	Lubbock . . .	24	-107	2340	-669	-1157
GA. Atlanta . . .	3	-114	1928	-724	-575	Valentine . . .	187	-73	5401	-303	-596	Midland . . .	5	-90	1860	-452	-1021
Augusta . . .	4	-91	1679	-561	-381	NEV. Ely . . .	220	-19	5738	0	-461	Beaumont . . .	0	-57	981	-386	-739
Macon . . .	0	-82	1333	-658	-484	Las Vegas . . .	107	21	2283	17	-315	San Angelo . . .	1	-78	1487	-507	-932
Savannah . . .	0	-72	1088	-650	-340	Winnemucca . . .	183	1	4254	-243	-704	San Antonio . . .	0	-55	1116	-311	-619
IDAHO. Boise . . .	208	28	4118	-404	-506	N. H. Concord . . .	182	-71	5597	-120	-639	Victoria . . .	0	-46	737	-383	-695
Lewiston . . .	175	9	4057	-203	-288	N. J. Atlantic City . . .	86	-102	3422	-516	-224	Waco . . .	0	-77	1442	-393	-954
Pocatello . . .	220	-2	5294	-107	-593	Trenton . . .	102	-86	3544	-419	-280	Wichita Falls . . .	4	-105	1998	-531	-1026
ILL. Cairo . . .	28	-119	2860	-423	-549	N. MEX. Albuquerque . . .	115	-36	3724	149	-232	UTAH. Salt Lake C . . .	165	-29	4533	-144	-532
Chicago . . .	122	-102	4593	-298	-272	Roswell . . .	61	-67	2697	-493	-493	VT. Burlington . . .	190	-90	5846	-269	-499
Moline . . .	116	-117	4913	-272	-167	N. Y. Albany . . .	174	-75	5286	-154	-106	VA. Lynchburg . . .	33	-126	2933	-581	-501
Peoria . . .	98	-123	4638	-309	-414	Binghamton . . .	159	-102	5061	-553	-575	Norfolk . . .	31	-108	2162	-717	-537
Rockford . . .	152	-92	5095	-380	-213	Buffalo . . .	149	-105	4911	-378	-268	Richmond . . .	32	-118	2661	-637	-452
Springfield . . .	52	-153	4122	-433	-505	New York . . .	115	-77	3478	-410	-443	Roanoke . . .	17	-141	2861	-681	-577
IND. Evansville . . .	22	-149	3166	-696	-794	Rochester . . .	147	-103	4744	-447	-236	WASH. Quillayute . . .	184	23	4460	293	189
Fort Wayne . . .	114	-110	4588	-352	-219	Syracuse . . .	159	-88	4987	-186	-150	Seattle-Tacoma . . .	159	6	3595	-192	-186
Indianapolis . . .	49	-153	3841	-689	-498	N. C. Asheville . . .	23	-130	2704	-770	-475	Spokane . . .	210	4	5211	-29	62
South Bend . . .	108	-125	4322	-772	-437	Hatteras . . .	7	-111	1461	-749	-455	Walla Walla . . .	148	-1	3515	-338	-548
IOWA. Burlington . . .	98	-126	4644	-355	-417	Charlotte . . .	1	-122	2258	-500	-566	Yakima . . .	173	-1	4486	-258	-294
Des Moines . . .	125	-121	4936	-489	-654	Greensboro . . .	6	-138	2734	-495	-578	W. VA. Beckley . . .	45	-151	3589	-871	-601
Dubuque . . .	164	-95	5550	-264	-301	Raleigh . . .	0	-134	2232	-747	-675	Charleston . . .	28	-140	3085	-697	-507
Sioux City . . .	146	-106	5152	-483	-457	Wilmington . . .	0	-96	1362	-754	-574	Huntington . . .	26	-144	3050	-753	-704
KANS. Concordia . . .	111	-93	3408	-1154	-1398	N. Dak. Bismarck . . .	244	-68	7373	235	456	Parkersburg . . .	32	-145	3324	-618	-418
Dodge City . . .	95	-91	3878	-219	-727	Fargo . . .	262	-59	7569	209	205	WIS. Green Bay . . .	198	-86	5927	-390	-108
Goodland . . .	171	-48	4729	-55	-548	Williston . . .	260	-53	7211	5	51	LaCrosse . . .	180	-89	5651	-314	-358
Topeka . . .	82	-109	4168	-146	-352	OHIO. Akron-Canton . . .	95	-131	4110	-727	-329	Madison . . .	177	-95	5711	-374	-197
Wichita . . .	71	-102	3841	-54	-552	Cleveland . . .	110	-116	4074	-733	-482	Milwaukee . . .	173	-88	5205	-528	-356
KY. Lexington . . .	26	-149	3125	-769	-433	Columbus . . .	40	-165	3820	-773	-456	WYO. Casper . . .	201	-53	5725	63	-622
Louisville . . .	24	-149	2996	-843	-541	Cincinnati . . .	34	-153	3623	-509	-454	Cheyenne . . .	192	-53	5315	-36	-704
LA. Baton Rouge . . .	0	-60	955	-562	-526	Dayton . . .	52	-154	3979	-563	-374	Lander . . .	192	-61	5870	-126	-1419
Lake Charles . . .	0	-57	933	-423	-698	Toledo . . .	145	-84	4824	-220	-209	Sheridan . . .	228	-29	5674	-163	-497
New Orleans . . .	0	-54	848	-480	-596	Youngstown . . .	119	-114	4510	-517	-559						
Shreveport . . .	0	-80	1680	-243	-531	OKLA. Okla City . . .	26	-114	2807	-343	-825						
MAINE. Caribou . . .	257	-59	7183	-131	-652					</							



(Continued from Page 7)

all but west and northeast.

Weather good for calving and lambing. Lack of snow stretching hay supplies. Winds along eastern slopes caused some winter wheat damage. Farmers prepared seed and machinery for spring planting.

NEBRASKA: Temperatures well above normal all week with highest readings of new season recorded. Fairbury reached 80° on 3d. Precipitation very light to nonexistent over most of State. Extreme southeast corner did receive a few showers early week, Falls City got 0.93 in.

Some wheat fields beginning spring growth and mostly in good condition. Livestock remained in good condition.

NEVADA: High temperatures Reno averaged 3° below normal, lows 3° above. Extremes: 74° at Las Vegas, 7° below zero Ely. Precipitation received all stations except Wendover. Greatest amount 0.67 in. Owyhee. Deepest snow depths in Sierras 110 in. Norden, 96 in. Echo Summit.

Inclement weather delayed early seedbed preparation. Routine farm chores major activity. Calving and lambing increased. More lower ranges turning green.

NEW ENGLAND: Record high temperatures Monday heralded a warm spell that stretched into Thursday with temperatures returning to near normal Friday and weekend. Weekly temperatures 10° above normal with a record high of 70° at Boston Monday.

Precipitation light over most of area 4th with amounts from a trace to 0.25 in. similar amounts for over central and north Tuesday and early 5th

with some local amounts to near 0.50 in. Precipitation again over Connecticut and western Massachusetts early 9th and throughout New England late 9th and 10th with amounts again ranging generally from a trace to 0.25 in.

NEW JERSEY: Abnormally warm week. Temperatures averaged 44° north and near 50° elsewhere. Numerous stations reported a high of 76° start of week, low for week 21° at Long Valley on 11th. Rainfall above normal north and below normal in central and south. Highest weekly total 1.74 in. at Flemington.

NEW MEXICO: Mild most of week then major storm with appreciable precipitation and sharp cooling Saturday and Sunday. Temperatures averaged near normal most sections but around 10° warmer than normal southeast plains. Precipitation late Saturday and Sunday mostly snow and mostly in central and north. Several precipitation totals more than 1.00 in. with new snow accumulations as high as 10 in. Cuba and 22 in. Red River. Only very light amounts rain or snow south.

Continued warm and windy. Moisture very short. Ranges poor to fair. Livestock fair, 25% to 80% calved. Shearings 10% to 19% done. Ewes lambed 25% to 70%. Wheat, barley fair to good. Land preparation continued.

NEW YORK: Temperatures averaged well above normal. Unseasonably mild weather gave way to colder temperatures later in week. Several stations in 60's 5th, 6th and 7th. Extremes: 68° La Guardia on 7th, 19° Saranac Lake on 10th.

Precipitation averaged below normal in Hudson Valley and generally above normal elsewhere. Buffalo, Boonville, and Saranac Lake reported in excess of 1.00 in. Some snow fell end of week, but amounts light and significant snow depths still confined to higher terrain of northeast. Boonville reported 18 in. on ground in protected areas.

NORTH CAROLINA: Unseasonably warm with record breaking temperatures end of week. Temperatures statewide ranged between 70's and high 80's. Some local reports 90°. Precipitation midweek in mountains, northern Piedmont, and coastal plains.

Averaged 4.7 fieldwork days. Soil moisture 90% adequate, 10% short. Pastures 60% good, 40% fair. some topdressed. Tobacco plant beds 88% good. Small grains good, barley and wheat best. Hay roughage, feed grain supplies 87% adequate. Irish potatoes 25% planted. Pruning active in apple, peach orchards. Best week this year for agriculture.

NORTH DAKOTA: Temperatures averaged above normal. Highest 68° at Ft. Yates. Coldest 5° below zero at Pembina. Precipitation well below normal most of State except for southwest portion which was about 0.05 in. above normal. Very little snow reported on ground. Grand Forks reported most with 6 in. on ground and west half has from trace to no snow.

Continued mild temperatures and absence of snow or storms helpful in marketing grains, securing supplies for spring planting. Calving and lambing starting under very favorable conditions. Hay and roughage needs eased by favorable weather. Hauling hay to short supply areas continued.

OHIO: Unseasonably warm week. Temperatures above 70° central and south on 5 days and new record highs on 4 days. Temperatures above freezing until 10th when they returned to normal. Precipitation recorded every day. Hail reported at Toledo on 4th. Showers and thunderstorms on 7th. Hail, heavy rain, and strong winds accompanied some of these storms. Hail 1 to 2 in. deep near Columbus. Heavy thunderstorms across north on 8th. Akron-Canton received 1.50 in. rain on 9th.

By end of week many farmers had started spring plowing. Warm weather has caused early budding which may endanger fruit crops if freezing temperatures return.

OKLAHOMA: Temperatures averaged much above normal over State, ranging from 13° above normal northeast, 17° above normal panhandle, and 24° above normal southeast. Precipitation averaged 0.27 in. westcentral, 0.20 in. eastcentral, and 0.06 in. to traces elsewhere. Weekend wet to very wet most sections.

Wheat, other small grains made rapid growth past week. A few reports jointing in wheat western counties. Rainfall beginning Friday continued through Sunday night, brought moisture to dry areas west half, some flooding northcentral and northeast. Greenbugs, cutworms remain active westcentral, although rains should help situation. Spring oats, barley 90% planted. Fieldwork halted by weekend rains. Cattle beginning to come off wheat pasture, marketings reported heavy several areas. Early cool season grasses providing more forage east half. Livestock good condition most areas.

OREGON: Heaviest precipitation occurred midweek. From 0.80 to 2.00 in. along coast. Eastern Oregon southcentral area had 0.50 in. or more. Lakeview wettest with 1.31 in. Northeast mountains had

amounts ranging up to 0.45 in. Temperatures averaged 4° to 9° subnormal. Highs in 40's and 50's. Vale with 64° warmest. Lowest readings occurred last 2 days of week: Mid-20's to lower 30's west, mostly in teens east.

Condition early seeded grains generally excellent, some annual ryegrass damage. Mint planting started. Orchard pruning about completed, bud development reported good in Hood River area. Potatoes moved from storage. Mild, clear weather end of week relieved hay shortage. Concern over fertilizer supplies.

PENNSYLVANIA: Mild but wet. Temperatures 10° to 15° above normal for mildest week since November. Record high for date of 79° Harrisburg and Reading Monday afternoon. Even lows remained above freezing south half most nights. Lowest in teens mountain areas late week. Almost daily precipitation totaled from 0.50 in. southeast to 2.50 in. westcentral with better than 2.00 in. northwest, westcentral and northcentral for wettest week since mid-December. Most precipitation fell as rain except for ice storm northern tier counties and Pocono Mountains weekend when trees and utility lines damaged, causing power outages up to 24 hours. Little if any snow remaining in State.

PUERTO RICO: Island average rainfall 1.63 in. or 1.02 in. above normal. Highest weekly total rainfall 7.09 in. at Pico Del Esteluzillo followed by 4.15 in. at Yabucoa. Highest 24-hour total 5.50 in. at Pico Del Esteluzillo. Temperatures averaged about 76° coasts and 71° interior. Extremes: 90° at San Sebastian, 51° at Adjuntas.

Sugarcane harvest continued with favorable weather although in some northern areas some field operations interrupted by rains. Drying of coffee beans retarded somewhat due to rains but small trees developing well. Tobacco plants developing well but excessive humidity due to rains affected drying in shed. Some has rotted. Pastures good condition and developing well. Food crops benefiting from recent rains. In Cabo Rojo eggplants, peppers, tomatoes and lettuce harvested. Morovis reported harvesting of bananas and plantains.

SOUTH CAROLINA: Temperatures unseasonably warm with daytime highs in 70's to 80's, lows in 50's. No rain during week. High pressure across State during week. Weather front approached State midweek but did not pass across.

Harvesting a few greens along coast, also planting snap beans. Some peach tree pruning continued. Tobacco farmers preparing ground to transplant tobacco plants.

SOUTH DAKOTA: Temperatures averaged 8° to 17° above normal and have been above normal for more than a month. Southern portions in 60's and 70's, northern sections in 50's and 60's. Extremes: 75° at Lake Sharpe, Oral, and Wood; 10° southeast of Mission.

Colder air crossed State prior to weekend producing measurable amounts of precipitation mostly as snow in north and west. Moisture amounts as much as 0.25 in. from snow depths of 2 to 4 in. Only traces or no moisture southeast third. Winds central and south caused some damage to winter wheat.

TENNESSEE: Frontal activity with associated showers marked both beginning and end of week. Winds southerly early week, light and variable midweek, becoming northerly end of week. Temperatures averaged 15° to 20° above seasonal normals. Precipitation measured from near 0.50 to 2.15 in.

A few days without precipitation accompanied by extremely high temperatures allowed farmers in eastern two-thirds of State to start field preparation for spring planted crops--about 2 weeks behind schedule. Fields in important western counties still too wet for plowing. Pastures and small grains excellent.

TEXAS: Dry air spread over west half creating gusty winds. Daytime temperatures upper 70's across west, mid-80's to lower 90's over coastal plains. Nighttime temperatures lower 20's in panhandle. Temperatures varied from 7° above normal west to 20° above normal east. Scattered showers in north-west and coastal plains brought minor relief to drought conditions.

Dryland wheat on high and low plains may revive following rains past weekend. Irrigated wheat good condition, made satisfactory growth. East Texas oats responded to rain and warm weather, made good progress. Cotton, corn and sorghum planting full swing across south half of State. Early planted fields up to stands and growth satisfactory. Some dry planting has been necessary. Major crops percent planted: Cotton 2, 1973 0; Corn 14, 1973, 1; Sorghum 12, 1973, 2.

Lower Rio Grande Valley: Harvest of lettuce, carrots and cabbage continued. Onions continued excellent growth. Harvest early onions well started with shipments of several cars daily past week. Planting of cantaloupes and watermelons continued. Coastal Bend: Watermelons continued to emerge. Cucumber planting underway, brocolli harvest continued. Laredo: Late carrots and cabbage made excellent growth. Onions showed good growth. San Antonio-Winter Garden: Spinach harvest continued. Most watermelon acreage planted, but some acreage cannot be planted because lack of soil moisture. Some spring cabbage and lettuce harvest started. Knox-Haskell: Potato seeding about 85% complete. High Plains: Onion transplanting continued active. Some potato seeding underway.

Peaches in various stages of bloom throughout State. Citrus harvest continued. Picking of fresh market fruit should be complete by end of April. Grazing conditions continued to deteriorate west half of State where moisture extremely short. Livestock continued move off wheat fields on high plains. Goat shearing active from Edwards Plateau northward. Calving active statewide. Most areas expect normal calf crop. Tick and lice infestations becoming problem some localities east.

UTAH: Scattered areas rain and snow early week and again south half over weekend. Accumulated amounts of moisture generally light to moderate. Temperatures averaged from near normal to 5° above. Snow cover gone from most lower fields and ranges. Average soil temperatures at 4 in. depth now range from upper 30's Cache Valley to low 40's Salt Lake City and Richfield, and mid-40's St. George.

Spring plowing, ditch cleaning, orchard pruning finally underway in some lower valleys. Soil moisture very good in most crop and range lands this spring. Irrigation water storage March 1 was 3.3 million acre feet, best ever for this date. Farm flock lambing neared completion. Range calving started and some sheep outfits will start lambing in about 2 weeks. Marketing of potatoes and apples from storage continued but neared completion.

VIRGINIA: Several high temperature records equaled or exceeded. Statewide temperatures averaged 63°, 18° above normal. Extremes: 86° at Danville and 29° at Nelsonia. All areas received rain. Heaviest in southwest mid-week.

Statewide topsoil moisture supply 5% short, 84%

adequate, and 11% surplus. Fieldwork averaged 4.3 days suitable highest since first week of December. As most fields dried out, land preparation, fertilizing and liming became increasingly active. Potato planting on Eastern Shore gained momentum, inshipments of seed potatoes ran well ahead year ago. Sweet potato land preparation active and a few seedbeds planted. Winter grains and grazing crops continued good to excellent. Planting tobacco seed beds remained active. Spraying herbicides on small grains began with some difficulty in obtaining supplies reported. Unseasonably warm weather for several days caused peaches to bloom varying from full bloom for some varieties in south and Piedmont to pre-pink to pink for other varieties into the north. This is 2 weeks ahead of normal and places crop in a very precarious position depending on weather from now until early April.

WASHINGTON: West: Temperatures averaged 3° to 4° subnormal. Highs in 40's, lows in 20's and 30's. Precipitation almost daily. Totals vary 0.20 to over 5.00 in. Some local snowfall end of week. Cattle kept off wet fields to allow for more growth. Early fruit trees in bloom. Raspberry and blueberry pruning. Lifting of certified strawberries. Forest tree planting, pruning and woodland harvest. Forced rhubarb harvest.

East: Temperatures averaged 2° subnormal. Highs in 40's, lows in 20's and 30's with a few in the teens. Precipitation ranged from none to 0.30 in. Few local snow showers. Spraying for pear psylla, pruning, tying grapes, trellis repair, installation irrigation and heating systems. Winter plant damage and heaving appearing in winter wheat. Spot reseeding required. Stands appear smaller, later than normal. Aerial topdressing started. Calving, lambing continued.

WEST VIRGINIA: Unseasonably warm with temperatures 18° to 20° above normal. Numerous records established throughout State. Highs 4th and 7th through 9th in 70's and low 80's. Lows generally in the 50's except 30's and 40's Wednesday morning. Cold front Sunday morning lowered temperatures. Light showers on 5th, 6th and morning of 10th with a few areas receiving near 1.00 in. from thunderstorms.

Farmers very active with outdoor chores such as fence repair. Some areas dry enough to plow. Gardening becoming quite active. Weeping willows budding out, pear trees ready to bloom.

WISCONSIN: Mild springlike weather prevailed. Temperatures averaged 12° to 14° above normal. Highs reached well into 60's over southwest quarter on 6th. Precipitation averaged a little above 1.00 in. south and about 0.25 in. north. Smaller rivers and streams in south overflowed when rain on Monday added to heavy snow melt runoff of weekend. Showers and thunderstorms again occurred mainly in south on 8th with some hail locally.

WYOMING: Rain or snow fell over much of State. Jackson reported most moisture with 1.04 in. Temperatures averaged 3° to 12° above normal. Highs mostly in 40's to low 50's southwest half, 60's northeast half. Lows mostly zero to 15° west of divide and upper Platte Drainage, teens to low 20's elsewhere. Extremes: 70° at Carpenter and LaGrange and 3° below zero at Evanston.

All areas starting to calve and lamb. Some spring plowing. A few small grains, especially malting barley, seeded. High winds dried soils and damaged some stands of winter wheat. Snow cover reported in portions of southwest. More moisture needed for grass which is starting to green up with warm weather.



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Third issue of following month

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Departure of Week from Normal November to March
Departure of Seasonal Accumulation from Normal November to March
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Total Precipitation, Inches Second issue of Mar., June, Sept., and Dec.
Percentage of Normal Precipitation for Season Second issue of Mar., June, Sept., and Dec.
Average 90 Day Weather Outlook First issue of Mar., June, Sept., and Dec.

Tabulations:

Temperature and Precipitation Data for Week Each issue
Temperature and Precipitation Data for Month First issue of following month
Heating Degree Days for Month First issue of following month
Heating Degree Day Statistics for Week and Season Weekly, Nov. to March