

Weekly Weather & Crop Bulletin

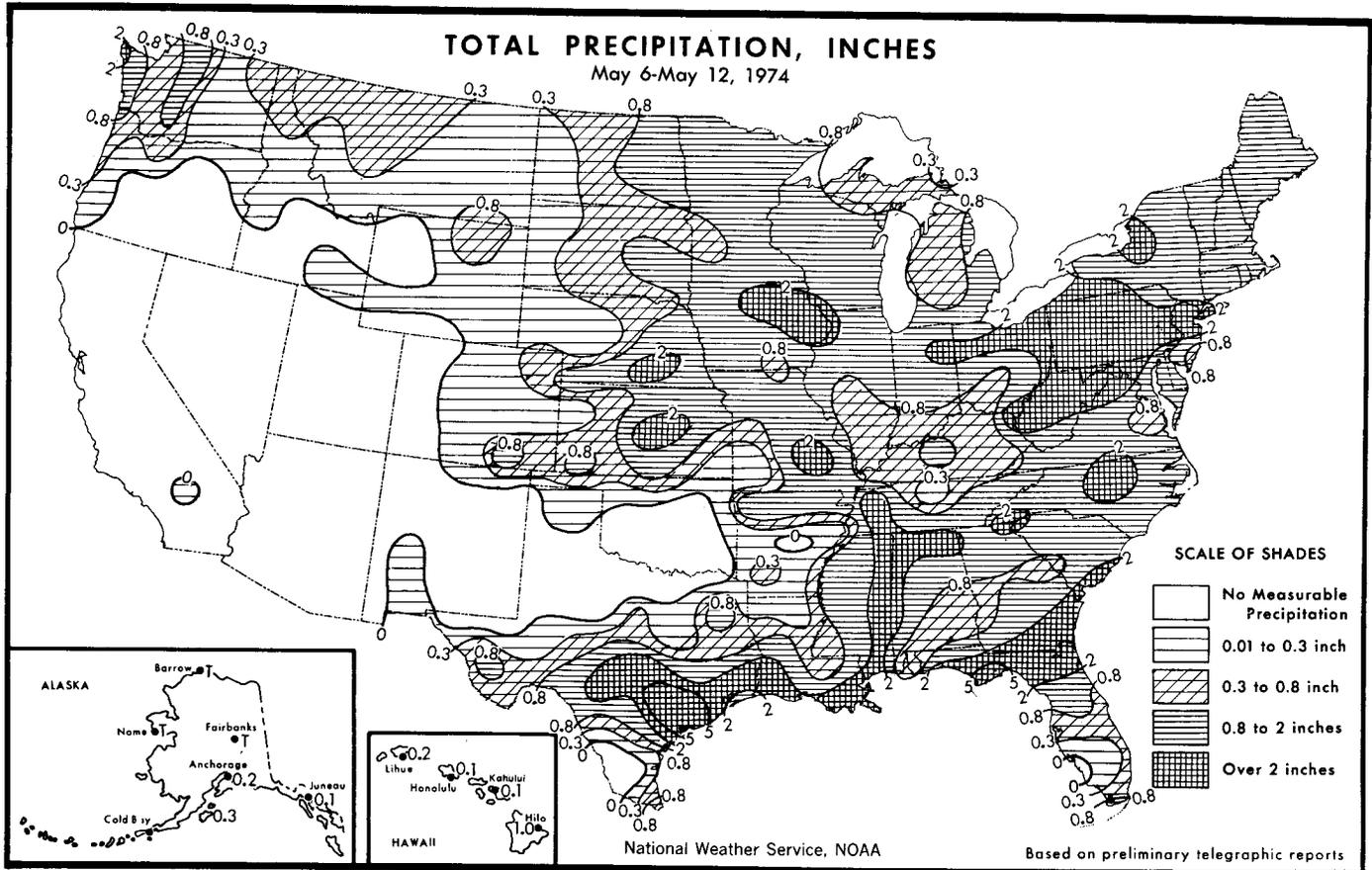
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NATIONAL WEATHER SUMMARY

HIGHLIGHTS: Rain drenched most of the Nation east of the Rockies last week with amounts over 2.50 in. reported in Texas, northern Florida, southeastern Georgia and the Northeastern States.

While the Trans-Pecos area of Texas got 0.80 in. of much needed precipitation last week, most of the Southwestern States remained dry.

Unusually cool temperatures settled over the New England and Great Lakes areas. Temperatures averaged 11° below normal at La Crosse, Wis., and Dubuque, Ia.; and 8° below normal at Scranton, Pa. Southwestern States' temperatures soared as much as 9° above normal for the week.

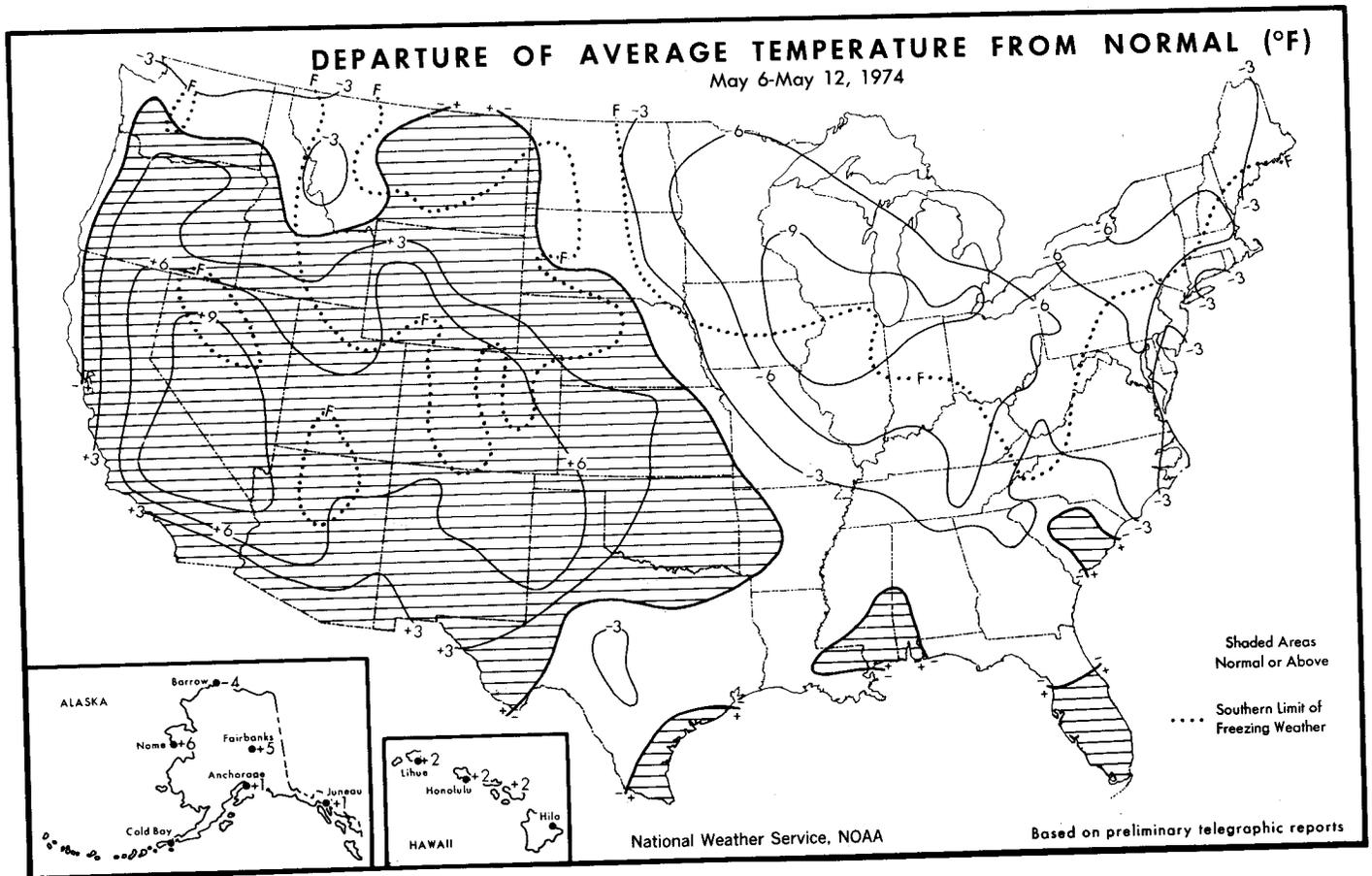
PRECIPITATION: Thunderstorms and scattered showers dumped more than 2.00 in. of rain in sections of Nebraska, Kansas, Iowa, Missouri, and Arkansas. Over 3.00 in. of rain was reported in many sections of southeastern Texas, Savannah, Ga., Tallahassee and Apalachicola, Fla. Other soggy areas included:

Akron, Ohio, 2.46; Syracuse, N.Y., 2.49; and Erie, Pa., 2.82.

Early in the week a front slowly drifted across the Gulf Coast causing scattered showers from Louisiana into northern Florida. A Low pressure area centered in the lower Great Lakes Basin produced rain from the eastern half of the Great Lakes into parts of the Northeast.

Midweek, evening thunderstorms were numerous from eastern Michigan and western New York into northern portions of Alabama, Mississippi, and Arkansas.

Thursday, scattered showers and thundershowers spread over much of the Nation's eastern two-thirds. Late in the day, a Low over the southern tip of Texas triggered tornadoes and locally heavy rains in southern and eastern Texas. Tornadoes were reported near Kile, Garfield, Lake Thomas and just south of Bandera, Texas. By midnight more than 4.00 in. of rain had caused local flooding in the New Baunfels and San Marcos areas of Texas.



Friday afternoon, Victoria, Tex., received nearly 5.00 in. of rain in only six hours and more flash floods occurred in southcentral Texas where as much as 8.50 in. of rain had fallen since Thursday. Two fatalities and some evacuations were reported in Austin, Tex., as a result of the severe storms.

On Saturday, tornadoes ripped across the upper Midwest and the Northeastern Gulf Coast, while most of the thunderstorms were confined to the southern Michigan and northern Ohio areas.

A tornado blew the roof from a farm house near Bellevue, Ohio, and hailstones the size of golf balls hit on Hillsdale, Mich., and damaging winds up to 60 mph whipped through Detroit.

Tornadoes swept through northern Florida into South Carolina during the pre-dawn hours on Sunday. According to Georgia State Patrolmen, a tornado destroyed house trailers, killed 2 persons, and injured 4 others near Glenville, Ga. Another tornado touched down near Savannah overturning trailers and causing one fatality, and three injuries. The storm also soaked Apalachicola, Fla., with 7.79 in. of rain in only 12 hours.

Sunday afternoon rains diminished in the Pittsburgh, Pa., area which reported the wettest May 12th on record with 1.84 in. of rain. By evening, thunderstorms weakened in the Atlantic Coast States, but strong winds caused some damage in Washington, D. C., and near Philadelphia.

TEMPERATURE: Many cities in the Great Lakes area recorded record low temperatures with chilly weather dominant almost all week. Record lows recorded last week included: Waterloo, Iowa, 28°; Minneapolis, Minn., 27°; Grand Rapids, Mich., 25°; Indianapolis, Ind., 31° and Toledo, Ohio, 25°.

In the Southwest many cities recorded above normal readings: Bakersfield, Cal.; Las Vegas, Nev., and Flagstaff, Ariz., all reported temperatures averaging as much as 9° above normal.

Early in the week, a mass of cold air pushed southward over the upper Great Lakes into the Tennessee Valley. High pressure and unseasonably cool temperatures plagued the upper Great Lakes and Ohio Valley. Detroit, Mich., set a record low temperature Monday just before midnight with 31°.

The combination of a High over Wisconsin and a Low over southeast Canada brought chilly weather to the Midwest again on Tuesday. By afternoon, another Low over Canada had pulled unseasonably cool air over the Northeastern States.

By midweek a large High over West Virginia continued to bring cold air into New England and the Great Lakes States. Record lows Wednesday were set at Rochester, N.Y., 29°; and Atlantic City, N.J., 34°.

In contrast, temperatures in the southern Plains and lower Mississippi Valley remained in the 60's with 70's in southern Texas. Readings were in the 70's and lower 80's in portions of southern California.

Temperatures around the Nation on Thursday at 2:00 p.m. ranged from 92° at Needles, Cal.; Gila Bend, Ariz.; and Fort Myers, Fla., to 42° at Duluth, and St. Cloud, Minn.; and Las Crosse, Wis.

Saturday, cloudy and unseasonably cool weather prevailed from the northern Rockies to the upper Mississippi Valley. The temperature reached only 43° at Grand Forks, N.D.

Sunday, temperatures at 2:00 p.m. ranged from 37° at Hancock, Mich., to 96° at Fort Lauderdale, Fla. West Palm Beach, Fla., set a record high for the date with 95°.

NATIONAL AGRICULTURAL SUMMARY

HIGHLIGHTS: Corn planting accelerated in the Corn Belt despite cool, wet weather to over 50% complete. Soybean planting ranged up to 20% finished in earliest major States. Cotton seeding progressed to over 75% done in leading States, except Texas and Arkansas. Texas winter wheat harvest slowly gained momentum, and the crop developed favorably in Oklahoma and Kansas to well ahead of last year.

SMALL GRAINS: Winter wheat on the Central and Southern Plains reached the various stages of development earlier than last year and responded favorably to recent precipitation and mild temperatures.

In Kansas, wheat was 40% headed compared with 5% last year and a 40% average. Over 90% of the Oklahoma crop was headed which was about normal but ahead of last year's 70%. Texas' wheat harvest is starting and slightly ahead of last year.

Winter wheat is mostly good to excellent in Colorado, except southeast dryland acreages where hot, dry winds depleted moisture supplies. Wheat is in good to excellent condition in Illinois and Ohio. Cold weather, however, slowed growth in Michigan.

CORN: In the Corn Belt, corn planting progressed to 52% complete, topping the 30% of a year earlier and the average of about 40%. Elsewhere, seeding reached the 80% level in the South Atlantic States and 70% in the South Central States.

In Iowa, 72% of the intended corn acreage is planted, compared with only 18% last year and a 58% average. Planting in other Corn Belt States ranged from 20% and 23% in Wisconsin and Michigan to 66% and 70% in Missouri and Nebraska. In all Corn Belt States seeding progress is sharply ahead of last year, and also ahead of average in most States.

Planting progress in Southern States is running ahead of last year. Corn planting is 80% complete in North Carolina, 89% in Georgia, 62% in Kentucky and 92% in Texas.

COTTON: Growers made good progress planting cotton in most States. It's ahead of last year across most of the South. The Carolinas, Georgia, Alabama, and Mississippi are over 80% finished. Planting is winding up in California, Arizona, and New Mexico, but just starting in Oklahoma, and 35% in Texas. Cotton is blooming in the lower Rio Grande Valley.

Some replanting may be necessary in Tennessee where hard rains and flooding caused problems, and in Arkansas where cool, wet weather restricted germination.

SOYBEANS: Farmers planted first sizeable acreages in many States: 23% in Georgia; Ohio leads the Northern States with nearly 20% seeded; 12% complete in Iowa, well ahead of last year but off

the average or 16%. About 10% of the expected acreage is planted in both Minnesota and Nebraska. In the South, Arkansas soybeans are 10% planted, Mississippi acreage is 7% in the ground, Alabama and Louisiana soybeans are 20% planted.

OTHER CROPS: Sorghum planting in Texas is 52% complete, the same as last year. The Kansas crop is 5% seeded, unchanged from average. The intended Nebraska acreage is 10% seeded, while Oklahoma planting progress reached 25%.

Tobacco transplanting started in Tennessee but was delayed by wet weather. Virginia flue-cured is 9% set, same as last year. Few fields of fire-cured and burley are set in Virginia. Setting flue-cured tobacco in North Carolina is 60% complete, ahead of last year and normal. Transplanting in South Carolina is complete and tobacco condition is good.

Peanut planting progress in the Carolina-Southeast area ranges from 34% complete in Virginia to 78% in Georgia. About 15% of the intended Texas acreage is seeded and planting is just beginning in Oklahoma.

Arkansas rice growers made excellent planting progress with 85% planted. Seeding in other South Central States is complete or nearly done.

Potatoes are emerging on New York's Long Island, Upstate planting continues. Planting progressed rapidly in Idaho and is 18% complete in Minnesota.

FRUITS AND NUTS: Widespread freezing damaged fruit trees in the Northeast. Damage was extensive in New England, particularly to Delicious apples. Freeze damage extended southward into Maryland. Frost damage to Michigan cherries was light to moderate but grapes were damaged considerably. Quality peaches are being harvested in Arizona. Light harvest continues in Texas. California and Arizona harvest of Valencia oranges and grapefruit continues. Florida citrus improved with rains.

VEGETABLES: Freezing temperatures damaged tender vegetables southward through Pennsylvania into Ohio and northern Maryland. Strawberries, blueberries, sweet corn and tomatoes were damaged.

Most Florida vegetables are in good supply. Harvest of vegetables and melons continues in the Rio Grande Valley of Texas. Watermelon harvest is expected to begin within two weeks in the Coastal Bend area. Most Texas vegetables making good progress. California and Arizona vegetable harvest is progressing satisfactorily.

PASTURES AND LIVESTOCK: Pasture condition is mostly good over the eastern half of the U. S. although growth was slowed by cool temperatures in northern areas. In the Great Plains and Mountain States pastures are variable but mostly fair to good.

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., May 12, 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 . . .	67	- 2	1.0	+ .2	La. Baton Rouge . . .	74	+ 1	.6	- .5	Youngstown . . .	48	- 7	2.6	+1.7
Mobile . . .	73	- 0	.5	- .5	Lake Charles . . .	73	- 1	3.2	+2.1	OKLA. Okla. City . . .	68	+ 2	0	-1.2
Montgomery . . .	70	- 1	.6	- .2	New Orleans . . .	73	- 1	3.0	+2.1	Tulsa . . .	70	+ 3	T	-1.1
ALASKA Anchorage . . .	45	+ 1	.2	+ .1	Shreveport . . .	71	- 1	.2	-1.0	OREG. Astoria . . .	49	- 2	.9	+ .2
Barrow . . .	11	- 4	T	- 0	MAINE Caribou . . .	44	- 3	1.1	+ .5	Burns . . .	53	+ 2	0	- .2
Fairbanks . . .	50	+ 5	T	- .1	Portland . . .	47	- 3	1.6	+ .8	Medford . . .	59	+ 3	T	- .3
Juneau . . .	46	+ 1	.1	- .7	MD. Baltimore . . .	56	- 6	1.4	+ .6	Pendleton . . .	60	+ 3	.1	- .2
Kodiak . . .	42	0	.3	- .7	MASS. Boston . . .	50	- 6	1.4	+ .6	Portland . . .	57	+ 2	.3	- .2
Nome . . .	38	+ 6	T	- .2	Chatham . . .	47	- 1	.9	- .9	Salem . . .	54	0	.1	- .4
ARIZ. Flagstaff . . .	57	+ 9	T	- .2	MICH. Alpena . . .	43	- 5	1.0	+ .4	PA. Allentown . . .	52	- 6	2.1	+1.2
Phoenix . . .	81	+ 7	0	- .1	Flint . . .	47	- 9	1.8	+1.1	Erie . . .	47	- 5	2.8	+2.0
Tucson . . .	74	+ 2	0	- .1	Grand Rapids . . .	45	- 6	1.2	+ .5	Harrisburg . . .	56	- 5	2.1	+1.3
Winslow . . .	66	+ 5	0	- .1	Houghton Lake . . .	44	- 6	.7	+ .1	Philadelphia . . .	58	- 3	1.5	+ .7
Yuma . . .	80	+ 2	0	0	Lansing . . .	48	- 6	.8	+ .1	Pittsburgh . . .	52	- 6	2.2	+1.4
ARK. Fort Smith . . .	69	+ 1	.1	-1.3	Marquette . . .	44	- 4	.6	0	Scranton . . .	49	- 8	1.2	+ .4
Little Rock . . .	68	0	0	-1.3	Muskegon . . .	44	- 9	.7	+ .1	R.I. Providence . . .	51	- 4	1.4	+ .6
CALIF. Bakersfield . . .	77	+ 9	0	- .1	S. Ste. Marie . . .	43	- 4	.3	- .3	S.C. Charleston . . .	72	+ 1	2.2	+1.5
Eureka . . .	51	- 1	T	- .6	MINN. Duluth . . .	40	- 7	.9	+ .2	Columbia . . .	71	+ 1	1.4	+ .6
Fresno . . .	73	+ 7	0	- .1	Internatl Falls . . .	42	- 6	1.2	+ .6	Greenville . . .	63	- 4	.9	+ .3
Los Angeles . . .	65	+ 1	0	- .1	Minneapolis . . .	47	- 8	1.0	+ .3	S.D. Aberdeen . . .	51	- 2	5	0
Red Bluff . . .	70	+ 4	0	- .3	Rochester . . .	45	- 9	1.8	+1.1	Huron . . .	52	- 3	1.5	+ .9
San Diego . . .	64	+ 1	T	- .1	St. Cloud . . .	46	- 7	1.1	+ .4	Rapid City . . .	53	0	.3	- .3
San Francisco . . .	57	0	0	- .1	MISS. Jackson . . .	69	- 2	1.0	- .1	Sioux Falls . . .	51	- 4	1.1	+ .4
Stockton . . .	69	+ 5	0	- .1	Meridian . . .	72	+ 1	2.1	+1.2	TENN. Chattanooga . . .	61	- 6	1.6	+ .8
COLO. Denver . . .	62	+ 7	T	- .6	MO. Columbia . . .	57	- 5	1.0	- .1	Knoxville . . .	63	- 4	1.4	+ .6
Grand Junction . . .	66	+ 6	T	- .1	Kansas City . . .	60	- 3	.8	- .1	Memphis . . .	68	- 1	.2	- .9
Pueblo . . .	65	+ 6	T	- .4	St. Louis . . .	57	- 7	1.0	+ .2	Nashville . . .	64	- 3	.2	- .8
CONN. Bridgeport . . .	54	- 2	1.2	+ .4	Springfield . . .	62	- 1	.2	- .9	TEX. Abilene . . .	70	- 1	0	- .9
Hartford . . .	52	- 4	1.8	+1.0	MONT. Billings . . .	54	+ 1	.2	- .2	Amarillo . . .	70	+ 7	T	- .6
D.C. Washington . . .	60	- 4	1.8	+1.0	Glasgow . . .	53	+ 1	.1	- .1	Austin . . .	73	- 1	3.3	+2.4
FLA. Apalachicola . . .	73	- 1	7.9	+7.3	Great Falls . . .	52	0	.8	+ .3	Beaumont . . .	73	- 1	1.9	+ .8
Daytona Beach . . .	70	0	.4	0	Havre . . .	53	0	.5	+ .2	Brownsville . . .	80	+ 2	1.7	+1.2
Ft. Myers . . .	79	+ 2	0	- .6	Helena . . .	49	- 2	.4	+ .1	Corpus Christi . . .	78	+ 1	.2	- .5
Jacksonville . . .	72	- 1	2.1	+1.5	Kalispell . . .	48	- 2	.4	- .0	Del Rio . . .	76	- 1	1.4	+ .9
Key West . . .	80	0	1.8	+1.3	Miles City . . .	56	+ 2	.1	- .3	El Paso . . .	74	+ 4	.1	0
Lakeland . . .	76	0	.4	- .2	Missoula . . .	47	- 4	1.1	- .3	Fort Worth . . .	72	+ 1	0	-1.1
Miami . . .	80	+ 3	.6	- .6	NEBR. Grand Island . . .	62	+ 4	1.9	+1.1	Galveston . . .	74	0	1.9	+1.2
Orlando . . .	76	+ 1	1.3	+ .8	Lincoln . . .	58	- 2	1.3	+ .6	Houston . . .	71	- 3	3.0	+1.9
Tallahassee . . .	71	- 2	3.6	+2.8	Norfolk . . .	57	- 1	1.0	+ .3	Lubbock . . .	72	+ 6	0	- .7
Tampa . . .	77	+ 1	.4	0	N. Platte . . .	58	+ 2	2.2	- .5	Midland . . .	72	+ 2	.1	- .4
W. Palm Beach . . .	78	+ 1	.4	- .6	Omaha . . .	56	- 3	1.1	+ .3	San Angelo . . .	70	- 3	.6	0
GA. Atlanta . . .	67	0	1.3	+ .4	Valentine . . .	57	+ 2	.4	- .2	San Antonio . . .	72	- 3	1.1	+ .4
Augusta . . .	68	- 2	.6	- .2	NEV. Ely . . .	57	+ 9	T	- .2	Victoria . . .	76	+ 1	6.8	+5.9
Macon . . .	70	- 2	.9	+ .1	Las Vegas . . .	80	+ 9	0	- .1	Waco . . .	72	- 1	.1	-1.0
Savannah . . .	71	- 1	3.5	+2.6	Reno . . .	60	+ 7	0	- .1	Wichita Falls . . .	72	+ 2	0	-1.1
HAWAII. Hilo . . .	73	0	1.0	-1.5	Winneucca . . .	61	+ 9	T	- .2	UTAH. Blanding . . .	63	+ 8	0	- .1
Honolulu . . .	78	+ 2	.1	- .2	N.H. Concord . . .	47	- 6	1.8	+1.2	Salt Lake City . . .	62	+ 5	0	- .4
Kahului . . .	77	+ 2	.1	0	N.J. Atlantic City . . .	56	- 3	.4	- .4	VT. Burlington . . .	48	- 4	1.6	+1.0
Lihue . . .	77	+ 2	.2	- .4	Trenton . . .	56	- 4	2.0	+1.2	VA. Lynchburg . . .	59	- 4	1.7	+1.0
IDAHO. Boise . . .	57	+ 1	.1	- .2	N.MEX. Albuquerque . . .	69	+ 6	0	- .1	Norfolk . . .	62	- 3	1.0	+ .2
Lewiston . . .	58	+ 1	.1	- .2	Roswell . . .	71	+ 5	T	- .2	Richmond . . .	61	- 4	.5	- .3
Pocatello . . .	56	+ 3	T	- .3	N.Y. Albany . . .	48	- 7	2.0	+1.3	Roanoke . . .	59	- 4	1.5	+ .7
ILL. Cairo . . .	63	- 4	.5	- .7	Binghamton . . .	46	- 7	1.7	+ .9	WASH. Colville . . .	51	- 2	.3	- .1
Chicago . . .	48	-10	1.2	+ .4	Buffalo . . .	47	- 6	2.0	+1.3	Omak . . .	53	- 3	.1	- .1
Moline . . .	49	-10	2.6	+1.7	New York . . .	55	- 4	2.2	+1.4	Quillayute . . .	48	- 2	2.0	+ .8
Peoria . . .	49	-10	1.1	+ .2	Rochester . . .	47	- 7	1.4	+ .8	Seattle-Tacoma . . .	54	0	.4	0
Rockford . . .	47	- 9	1.2	+ .4	Syracuse . . .	49	- 5	2.5	+1.8	Spokane . . .	52	- 1	.4	+ .1
Springfield . . .	52	- 9	.5	- .3	N.C. Asheville . . .	61	- 1	1.2	+ .5	Walla Walla . . .	60	+ 1	.1	- .3
IND. Evansville . . .	59	- 5	.3	- .7	Charlotte . . .	65	- 2	1.0	+ .4	Yakima . . .	56	0	T	- .1
Ft. Wayne . . .	49	- 8	2.1	+1.3	Greensboro . . .	62	- 3	2.0	+1.4	W.Va. Beckley . . .	54	- 3	1.5	+ .7
Indianapolis . . .	53	- 7	1.7	+ .8	Hatteras . . .	65	0	.8	+ .1	Charleston . . .	58	- 5	2.6	+1.8
South Bend . . .	47	- 9	1.3	+ .6	Raleigh . . .	63	- 3	3.0	+2.3	Huntington . . .	58	- 5	2.9	+2.0
IOWA. Burlington . . .	49	-10	.9	+ .1	Wilmington . . .	66	- 4	.9	+ .1	Parkersburg . . .	55	- 7	1.7	+ .9
Des Moines . . .	52	- 6	.8	- .1	N.DAK. Bismarck . . .	50	- 2	.7	+ .3	WIS. Green Bay . . .	45	- 7	.9	+ .2
Dubuque . . .	45	-11	2.0	+1.0	Fargo . . .	46	- 6	1.8	+1.3	La Crosse . . .	46	-11	1.5	+ .7
Sioux City . . .	57	- 2	.9	+ .2	Williston . . .	52	0	.2	- .1	Madison . . .	45	- 9	1.2	+ .5
KANS. Concordia . . .	64	+ 3	.8	- .1	OHIO. Akron-Canton . . .	50	- 6	2.5	+1.6	Milwaukee . . .	43	- 9	1.3	+ .7
Dodge City . . .	67	+ 5	.4	- .3	Cincinnati . . .	54	- 7	.3	- .5	WYO. Casper . . .	53	+ 2	.2	- .2
Goodland . . .	61	+ 4	.3	- .2	Cleveland . . .	48	- 8	2.3	+1.5	Cheyenne . . .	56	+ 6	.1	- .5
Topeka . . .	64	+ 2	1.0	+ .2	Columbus . . .	52	- 7	.7	- .2	Lander . . .	59	+ 8	T	- .6
Wichita . . .	65	+ 1	1.1	+ .3	Dayton . . .	51	- 8	1.5	+ .7	Sheridan . . .	52	+ 1	.4	- .1
KY. Lexington . . .	56	- 7	.7	- .2	Toledo . . .	47	- 9	1.6	+ .9	P.R. San Juan . . .	83	+ 4	0	-1.5
Louisville . . .	57	- 6	.4	- .5										

Based on 1941-70 normals.

CORRECTION: Vol. 61, No. 19, Tallahassee should read +1.0 precipitation departure.

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: Sunny and mild early week, warmer toward weekend with widely scattered afternoon and evening thundershowers. Saturday rains averaged 1.00 to 2.00 in. north, light amounts south.

Farmers made good progress planting row crops and cultivating earliest acreage. Rains slowed fieldwork many northern localities but provided needed moisture for growth of young seedlings. Cotton planting 85% complete, 50% last year. Earliest acreage emerging to even stands. Corn 75% in the ground, about 50% last year. Early plantings making good growth. Peanut planting 50% complete, about same as last year. About 20% soybean crop in ground. Small grains rapidly reaching maturity with few loads wheat going to market. Hay crops made good growth, few early fields cut as weather permitted.

ALASKA: High temperatures in the agricultural areas above normal for the most part, while night time lows near normal. All stations reported precipitation during the week. Departures ranged from 0.15 to 1.11 in. below normal except at Kodiak where precipitation was 1.75 in. above normal. Soil moisture adequate. Potato planting began in Matanuska Valley late last week. Pastures greening most areas. Fertilizing grasses and field preparation were among the main activities of the week.

ARIZONA: No precipitation most of State. Scattered thundershowers provided around 0.10 in. rain, a little more in White Mountains and scattered locations in southeast. Temperatures near seasonal normals first half, 6° to 10° above normal late week. Cotton planting mostly complete. Small grains good progress. Wind caused some lodging. Sorghum, good stands early planted fields. Sugarbeet harvest full swing, Yuma, expected shortly central. Sugarbeets for fall harvest, good. Alfalfa hay good. Lettuce harvest tapering central, nearly complete southcentral. Cantaloups, watermelons good. Potato harvest continued. Harvest dry onions began Friday. Harvest peaches continued, quality very good. Grapes, good vine growth. Harvest valencias, grapefruit continued Yuma, Salt River Valley. Citrus groves good.

Range poor lower elevation desert ranges, vary in higher mountain areas. Stockwater mostly short, supplemental feeding active. Cattle poor to fair lower ranges, fair to good higher ranges.

ARKANSAS: Temperatures near normal ranging 3° above to 2° below. Warm south and west all week, cool northeast to midweek, then warm. Precipitation spotty. Many stations less than 0.25 in. late in week. Half a dozen stations over 1.00 in. north occurring most days of week.

Rain slowed field activities northeast end of week. Planting proceeded rapidly other areas. Soil moisture adequate except short southwest and southeast, excess northeast. Fertilizer availability a problem, especially nitrogen. Spot fuel shortages persist. Cotton planting 65% complete. Cool, wet weather reduced germination, requiring some replanting. About 85% rice planted. Wheat excellent, in milk to early dough stage. Armyworm infestations reported. Oats maturing rapidly. Corn planting 90% complete. Sorghum 50% planted.

Soybeans 10% planted. Pastures average except, below southwest, above northeast. Limited cutting of hay. Cattle good.

CALIFORNIA: No precipitation except scattered afternoon and evening showers southern Sierra Nevada through Tuesday. Skies sunny over inland areas. Subnormal temperatures beginning of period, warming to much above by midweek, averaging several degrees above normal. Coastal regions had low cloudiness near normal temperatures.

Warm temperatures enhanced field crop development. Wheat, barley maturing. Some dry land harvested. Early grains good. Alfalfa good, some second cutting. Cotton, corn, safflower growing well. Rice seeding continues. Some beans sown. Grape crop growing well. Almonds developed well. Peaches thinned. Cherry harvest continues. Pomegranates blooming, date crop good. Avocado, Valencia orange, lemon, grapefruit harvest continues. Few navels remaining.

Asparagus mostly to processors. Broccoli good volume central coast, good quality. Cauliflower fair supply, quality improving. Carrot digging Coachella nearing completion. Celery slightly heavier. Lettuce full swing Salinas, quality improving, San Joaquin completed. Onion continues desert. Kern potato shipments expect increase, quality good. Strawberry shipments heavier south, Salinas volume increasing. Market tomatoes continue Imperial. Planting canning tomatoes continues, early planting blooming.

Livestock good, excellent condition. Sheep shearing beginning eastern San Joaquin Valley, nearing completion Sacramento Valley. Increasing in livestock moved summer feeding. Bee colonies, San Joaquin Valley citrus, clover areas moved to mountains. Turkey poults on range doing well. Rangeland grasses maturing rapidly; transition green feed to dry feed spreading.

COLORADO: Unseasonably warm temperatures averaging 4° to 9° above normal. High readings in the low 90's. Little or no precipitation western portion and mountains but significant rains fell over parts of east. Average precipitation for the Arkansas River Basin was 0.20 in. ranging less than 0.10 in. to over 0.75 in.

Corn 75% planted, 21% last year and 45% 1969-73 average. Corn 23% emerged. Sugar beets 94% planted, 46% emerged. Planting dry beans southeast. Summer potatoes 90% planted, 26% emerged. Fall potatoes 50% planted. Emergence of crops slow, dry topsoil. Corn, sugar beets and potatoes good to excellent. Small grains good to excellent except dryland southeast. Hot, dry winds depleted moisture supplies. Topsoil moisture short all areas, subsoil moisture declining rapidly. Winter wheat 78% jointing, 60% year ago; Beginning head southeast. Winter barley 57% jointing, 2% headed. Alfalfa good to excellent. Livestock good. Range and pastures declining, poor southeast, fair to good elsewhere.

FLORIDA: Warm days and mild nights. Temperatures near normal. Rainfall scattered. Totals light to moderate over central and south; moderate to very heavy over panhandle and northern peninsula.

Soil moisture short of crop needs. Recent rain-

fall helpful, more needed. Planting of field corn nearly complete, seeding of peanuts continues, soybean and cotton planting underway. Flue-cured tobacco fair to good. Shade tobacco harvest continues. Wheat harvest beginning, crop poor. Pastures, extreme drought to poor condition. Cattle, poor to good.

Citrus tree condition improved with some needed rainfall. Some hail, damage undetermined. Few growers stopped irrigation. Harvest continues active. Most vegetables in good supply. Season declining for cabbage, lettuce, and squash. Steady volume available escarole, carrots, celery, snap beans, watermelons, eggplant, peppers, and radishes. Potato, tomatoes, sweet corn and cucumber supplies up seasonally.

GEORGIA: Cool first of week, warming trend through Friday. Temperatures 1-3° above normal. Cool again weekend with thundershowers. Tornadoes southeast with several fatalities and rainfall locally in excess of 3.00 in.

Soil moisture shortage less severe as weekend showers brought relief to most areas. Planting progress almost normal except for peanuts. Cotton fair to good, 83% planted. Corn fair to good, 89% planted. Peanuts fair to good, 78% planted, slightly above year ago but below normal 95%. Soybeans 23% planted. Wheat poor to fair. Oats mostly fair. Nitrogen short for corn application. Peaches mostly poor. Vegetables, melons fair to good. Cabbage at peak volume. Pastures and cattle good.

HAWAII: Partly cloudy with scattered light showers higher elevations. Lower elevations dry, heavy irrigation required to maintain crops in fair to good condition. Harvesting of most vegetables active. Banana harvest steady. Papaya production continues to rise. Sugar and pineapple operation active. Cattle and pasture condition fair to good.

IDAHO: Fair and warm early week followed by scattered light showers north and southeast. Week ended with light rain, snow showers at higher elevations and much cooler. Temperatures averaged above normal, precipitation much below normal.

Fieldwork progressed rapidly. Spring grain planting beyond 75% north and east nearly complete elsewhere. Emerging to good stands. Sugar beets beyond 75% planted, nearly complete elsewhere. Potato planting peak east, 75% southcentral, nearing completion southwest. North dry peas and lentils 75% planted. Corn, dry bean planting continues southern areas. Ranges, pastures good north, need rain central and south. Too early to appraise extent of May 12 frost damage to emerging crops and southwestern fruit.

ILLINOIS: Temperatures averaged 10° subnormal north, 5° subnormal south. Precipitation heavy averaging 0.50 in. to 1.00 in.

Corn planting 48% complete, 21% last year, 1971-73 average 43%. Much progress early in week, rains latter part of week. Emerging corn stands poor color due to cool, wet conditions. Soybean planting 5% complete, 3% last year, average 8%. Nearly 50% wheat heading, 32% last year, average 34%; 10% filling 12% last year, average 8%; good to excellent condition 92%. Oats fair to good condition 79%. Red clover, alfalfa hay good to excellent. Pastures good to excellent 98%, supplying over 90% roughage.

Fertilizer supplies reported short: Nitrogen, 80%; phosphate, 51%; potash, 37%. Soil moisture 1% short, 61% adequate, 38% surplus. Average 3.5 days suitable fieldwork.

INDIANA: Cool wet week. Temperatures averaged 7° subnormal. Frost north half on 7th, minimums to 23°. Rainfall ranged from 0.60 in. in south to 1.60 in. in north. Below normal sunshine, evaporation, soil temperatures and growing degree days.

Wet soils held fieldwork to under 4 days. Fieldwork 1 day ahead of usual. Topsoil moisture increased, rated mostly adequate to surplus. Subsoil moisture mostly adequate. Corn and soybean land 90% plowed, 80% average, 50% in 1973. Corn 30% planted, same as average, 10% last year. Under 5% soybeans planted, same as 1973, average 5%. Oats 95% seeded, ahead of average, 75% in 1973. Wheat 15% headed, same as 1973, average 5%. Barley 60% headed. Rye 25% headed. Pastures improved, mostly good.

IOWA: Temperatures averaged well below normal and precipitation above normal as considerable cloudiness and frequent showers and thunderstorms dominated the weather pattern.

Fieldwork slowed by rain and cloudy cool weather except western third; 4 days suitable. Corn planted 72%, year ago 18, average 58. Soybeans planted 12%, year ago just started, average 16%. Oat stands fair to excellent. Clover and alfalfa stands fair to excellent. Some weevil damage. Pastures mainly good, growth slow. Topsoil moisture 17% short, mainly westcentral and northwest, 57% adequate, 26% surplus. Fertilizer supplies spotted. Nitrogen reported mostly short.

KANSAS: Temperatures averaged mid 60's ranging from 1° above normal northeast to 6° above normal southwest. Precipitation Tuesday through Friday. Locally heavy rains east and north central to little or none in portions southwest and central. Severe storms north central Friday.

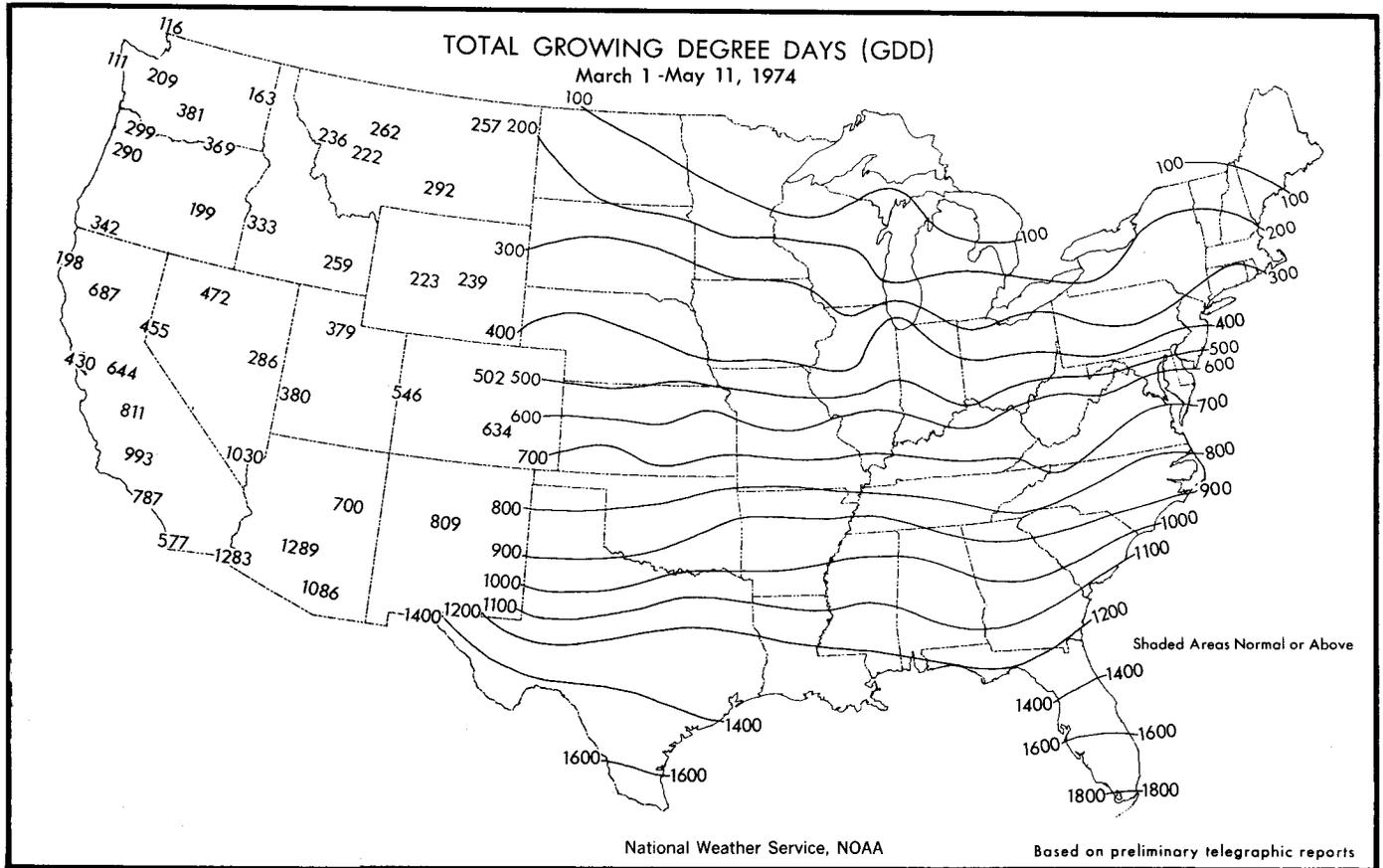
Corn, 50% planted 30% a week earlier, 15% last year, 50% average. Sorghum planting 5% completed, about equal to average. Soybeans 5% planted, most advanced southeast. Some alfalfa baled for hay and some acreage cut for dehydrators. Alfalfa weevil continue to take toll of first hay cutting. Wheat progressed satisfactorily. About 40% heading, 5% year ago, 40% average. Dry southwest.

KENTUCKY: Fair, cool weather most of week. Thundershowers Wednesday and Saturday averaged near 0.50 in. west to 1.50 in. east.

About 3.5 days fieldwork. Soil moisture 5% short, 71% adequate, 24% surplus. Corn 62% planted, 13% last year, 42% for 1972. Tobacco plant size 37% size of quarter or less, 35% half dollar, 28% 2 to 4 in. Wheat 80% headed. Wheat production 15% crop loss indicated from freeze. Disease and insects with barley, yellow dwarf most serious. Strawberry picking begins about May 21.

LOUISIANA: Temperatures ranged normal to 2° below. Nights cool early week and weekend, warm midweek. Precipitation light to moderate north, locally heavy south. Mostly less than 0.50 in. north, 0.50 to 3.00 plus in. south. Temperature extremes: 90°, Lafayette, Sunday; 47°, Ashland, Tuesday.

Planting main activity. Soil moisture adequate except snort south central. Fieldwork 5.4 days. Cotton planting over 75% complete, 10% last year, 70% 1972. Corn 90% planted, 35% last year, 90% 1972. Sidedressing active older corn. Soybeans 20% planted, 4% last year, 18% 1972. Sugarcane improved. Rice growth good. Soybean planting 40% complete, 25% up to stand. Sweetpotato transplanting 33% completed. Peaches good, harvest begins May 13. Light tomato harvest New Orleans area.



Pastures average. Livestock fair to good.

MARYLAND-DELAWARE: Temperatures 6° to 8° below normal. Highs mid-60's to mid-70's, lows mid-20's to mid-30's. Frost May 8, heavy some areas. Precipitation light, mostly 0.25 to 1.50 in., heaviest eastern shore, Maryland. Weekend mild, heavy rains Sunday.

Fieldwork full swing until Thursday. Rains welcome as fields becoming dry. Some freeze damage strawberries and tender vegetables lower areas northern half of two States. Damage apples and peaches especially lower elevations. Too early to determine effect on crop. Corn planting 69% done, 52% last year, average 35%. Barley and rye headed, wheat 75% headed in south. Powdery mildew reported in wheat many areas, some yield reductions. First cutting hay started. Vegetable planting continues. Strawberry harvest to start southern eastern shore this week.

MICHIGAN: Temperatures averaged 5° to 10° below normal. Frost or freezing temperatures nightly most or State first 5 days of week. Temperatures in low 20's common. Snow accumulation 3 to 4 in. Monday and Tuesday in north. Precipitation totaled 0.50 to 0.75 in. most areas, except 1.00 to 2.00 in. extreme south and northwest lower peninsula.

Cold, wet weather slowed fieldwork and crop growth. Only 2.8 days fieldwork. Soil moisture mostly adequate or surplus. Over 70% acreage plowed, last year 45%. Oats 80% planted, last year 66%, average 74%. Corn 23% planted, last year 13%, average 29%. Sugarbeets 89% planted;

last year 73%, average 75%. Potatoes 34% planted, average 35%. Wheat, oats, hay, pasture slowed by cold weather. Pasture feed supplies below average. Frost damage to cherries light to moderate southwest and west central. Considerable freeze damage to grapes. Poor pollination weather for cherries and peaches. Asparagus and tomatoes frozen.

MINNESOTA: Cool, wet. Temperatures averaged 5° to 10° subnormal except 2° to 4° subnormal southwest. Precipitation 0.75 to 1.25 in. above normal except 0.25 to 0.50 in. above normal in band from the east central to southwest.

Rains, wet fields delayed fieldwork northern third. Showers interrupted spring work other areas but relieved soil moisture shortages west central and south. Pasture, alfalfa growth slow. Small grain seeding essentially completed southern one-third. Spring wheat crop 40% planted, 5-year average 66%; oats 70%, average 71%; barley 35%, average 54%; flaxseed 40%, same as average; soybeans 10%, average 7%. Corn 47% planted, average, 39%, 4% emerged. Potatoes 18%; green peas 62% and sweet corn for processing 35% seeded.

MISSISSIPPI: Average temperatures generally near normal. Several degrees below normal in northern quarter. Extremes ranged from 90° at Columbia on the 4th and 9th to 42° at Columbus on the 7th. Showers and warm temperatures early and late in the week with cool mornings midweek. Maximum 24-hour precipitation 2.75 in. Vicksburg on the 4th. General rains Saturday with many rainfall totals exceeding an inch.

Soil moisture mostly adequate but growing short-

age reported in central and southwest counties. Fieldwork: 4.9 days suitable, 5.0 days previous week. Cotton planting 83% complete, normal 65%. Soybeans 7% seeded, normal of 10%. Planting corn 71%, rice 90%, sorghum 10%, and sweetpotatoes 20% complete. Crop condition mostly good. Cotton 51%, corn 57%, and rice 45% up to a stand.

MISSOURI: Average daily temperature 5° to 8° sub-normal except in west plains and southwest ozark section where near to few degrees below normal. Several days of scattered showers and thunderstorms averaging over 0.50 in. in eastern half. Western half averaged between 0.25 to 0.50 in.

Three days suitable for fieldwork. Corn planting 66% complete, 36% normal. Soybean planting 8% complete, 7% normal. Cotton planting 60% complete, 55% normal. Grain sorghum planting 20% complete. About 50% wheat crop headed. First cutting alfalfa just beginning. Alfalfa weevil reported in northwest. Soil moisture 11% short, 69% adequate, 20% surplus.

MONTANA: Weekend storms brought welcome moisture but shortages remain in much of northcentral, southwestern and scattered locations elsewhere. Spring seeded crops fair to good. Northcentral and southwest mostly fair. Northwest and northeast mostly good. Winter wheat follows same pattern. Range feed short. Cold weather and lack of moisture limiting growth. About 35% cattle and calves on summer ranges.

NEBRASKA: Temperatures above normal first of week and below thereafter. Showers and thunderstorms intermittently latter two-thirds. Heaviest over eastern third, to 2.75 in.

Winter wheat condition 79% good, 17% fair and 4% excellent. Rapid growth and development but signs of stress from lack of moisture. Some farmers panhandle considering abandoning wheat fields heavily infested downy brome. Corn about 70% planted, 30% last year and normal. Early plantings up some localities. Sorghum and soybeans, 10% planted. Alfalfa hay condition 60% good, 27% fair, 10% excellent and 3% poor. Prevailing dry conditions continue to retard hay growth.

Six days suitable fieldwork. Topsoil moisture supplies mostly short. Subsoil moisture supplies declined with 83% adequate, 15% short, and 2% surplus. Pasture and range feed supply unchanged, 73% adequate and 27% short. Livestock in good condition.

NEVADA: Temperatures 8° to 10° above normal except extreme south where average 5° above. Extremes: 100° Las Vegas, 20° McDermitt. Precipitation negligible. Deepest snow in Sierras: 55 in. Al-pine Meadows, 44 Morden, and 18 Echo Summit.

Fieldwork good progress. Spring planting nearing completion most areas. Irrigation underway all areas. Ranges fair. Calving and lambing about complete.

NEW ENGLAND: Weather generally cool and wet. Houlton, Me., reported low of 22° Monday and high of only 39° Tuesday. Thursday temperatures reached 60's in many areas. General rains early week and weekend with 1.00 to 2.00 in. rain Caribou and Houlton, Me., by Wednesday morning.

Extensive frost damage fruits and vegetables south, particularly to Delicious apples, early variety apples, pears. McIntosh damage spotty. Local damage to strawberries, blueberries, sweet corn. Little fieldwork done.

NEW JERSEY: A cold week. All counties had frost and sub-freezing temperatures on 8th. Scattered frost in northwestern counties on 11th with Newton reporting 34°. Extremes: 78° in central and southern sections on 12th and 27° at Newton on 8th. Rainfall generally adequate except coastal strip. Wind and rainstorm on 12th dumped 2.04 in. on Charlotteburg, 1.83 in. at Belvidere and 1.65 in. at Newton. Soil moisture expressed in percent of field capacity averaged 100% in north, 94% in central and 95% in southern counties.

Asparagus production slowed by cool weather. Bibb, Boston, Romaine and leaf lettuce harvest underway. Spinach and "greens" in moderate supply. Sweet corn and tomato planting active. Eggplant and peppers being transplanted. Some frost damage to strawberries. Rye and barley in head. Field corn planting becoming general. Hay and pastures good.

NEW MEXICO: Precipitation sparse with widely scattered, small amounts falling from a few afternoon and evening showers and thundershowers. Tense thunderstorms Thursday Sangre De Cristo mountains and northeast plains; however, only a few hundredths in. caught by widely spaced rain gauges. Temperatures about 5° above normal. Highs in 90's central and southwest valleys and eastern plains several days. Still a few subfreezing temperatures recorded at higher elevations.

Moisture supplies very short. Irrigated crops fair to good; dryland crops poor. In south, alfalfa 10% cut, cotton 95% planted. In north, alfalfa harvest to start late May or early June, cotton planting just underway. Lettuce, onions good. Irrigated wheat fields fair to good with some mosaic damage; dryland wheat, poor. Irrigated corn, fair to good. Irrigated sorghum 10% planted. Livestock fair to good. Ranges poor to fair.

NEW YORK: Trend toward cool, wet weather continued. Temperatures 3° to 9° below normal. Rain frequent, generally heavy. Saturday mildest day. Buffalo and Dansville 75°. Low 29° Rochester Wednesday morning. Most stations reported temperatures within a few degrees of freezing. Heavy, general precipitation Sunday, 1.00 in. or more common.

Cold, wet week limited fieldwork and plant growth. Oat seeding over 50% complete and corn about 10%. Early planted potatoes Long Island emerging. Upstate potato planting continues. Sweet corn, lettuce, cabbage, celery planting continues. Most apple varieties full bloom Hudson Valley, pollinating conditions poor. Western apples in pink stage. Sweet cherry crop reduced by poor pollination and cold temperatures.

NORTH CAROLINA: Rains all sections with below normal temperatures.

Soil moisture generally adequate, surplus northern and central piedmont. Fieldwork: 3.1 days. Flue-cured tobacco 60% set, ahead of last year and normal. Corn 80% planted, 77% last year and 70% normal. Soybeans 13% in, behind normal. Cotton 84% seeded, ahead of last year and normal. Peanut planting near halfway mark, about normal. Sorghum 37% seeded. Sweetpotato setting getting underway, 14% complete. Small grains, pasture condition good. Strawberry, cabbage harvest continues. Labor supplies adequate for demands.

NORTH DAKOTA: Temperatures cooler than normal except northeast which reported 2° above normal. Highs from 75 at Williston and Watford City to 43° at Petersburg. Lows from 60 at Watford City to 28° at McHenry. Precipitation above normal north and

east, below normal elsewhere. Greatest weekly precipitation 1.59 in. reported by Hugby, of which .67 in. fell May 7. Weekend cool and wet. Fargo reported 1.50 in. rain since Friday evening.

Seedbed preparation and seeding progressed well western, southern counties. Precipitation late week further delayed fieldwork eastern areas. Pastures and haylands developing, need warm drying weather.

OHIO: Rain 6th, 8th, 9th, and 12th totaled nearly 3.00 in. some areas. Two in. snow fell at Cleveland on 6th. Record low temperatures morning of 7th. Temperatures generally subnormal: Range: 25° to 85°.

Corn planting 60% complete, 20% in 1973 and normal 40%. Some northwestern counties more than 90% done. Soybean planting nearly 20% complete, 5% in 1973 and less than 10% normal. Plowing for corn and soybeans 95% complete. Potato planting 70% complete. Moisture supplies mostly adequate to surplus. Cold weather destroyed several hundred acres of early planted tomatoes. Wheat good to excellent. Nearly 4 days fieldwork.

OKLAHOMA: Temperatures averaged normal to 3° above. Precipitation mostly traces or none except 0.50 in. northeast. Weekend temperatures warm and widely scattered very light showers.

Wheat matured well, over 90% headed and 16% dough stage. Cool nights, sunny days ideal for growth after rains previous week. Wheat earlier than year ago when only 70% headed, but about normal. Oats and barley ahead of year ago with bulk crop headed. Baling small grain hay begun. Corn now 67% planted, 33% up to stand. Sorghum planting 25% complete. Cotton and peanut planting just beginning. Seedbed preparation well advanced for all row crops, with good conditions except soybeans where conditions good to fair. First cutting of alfalfa over 33% complete with light yields because of insects and freeze. Pastures greatly improved by recent rains.

OREGON: Temperatures 3° to 8° above normal. Greatest warming occurred southcentral. Readings were 70's and low 80's except coast. Western valley minimum reached near 40°, low 30's reported east. Precipitation toward end of week. Ranged near 0.50 in. on coast to 0.10 or less in Willamette Valley and northeast.

Field progress rapid. Crop conditions good. Plowing, fertilizing, seeding near completion. Spraying continues. Vegetable planting progressing near normal. Asparagus, radish, rhubarb harvest continues. Fruit crops fair to good. Strawberries near full bloom. Livestock good. Pastures, range good.

PENNSYLVANIA: Cool wet week. Temperatures mostly subnormal averaging 3° subnormal lower Susquehanna Valley to 14° subnormal northcentral. Rain on 5 days totaled from 1.00 in. northcentral to nearly 3.00 in. westcentral. Elsewhere mostly 1.50 to 2.50 in. Wettest week since November 1972.

Continued cool weather retarded crop growth. Widespread freezing injured strawberries and tree fruits. Degree of damage unassessed. Hay condition good, alfalfa weevil damage reported south and southeast. Hay pasture growth slow. Wheat, 75% preboot, 25% boot, condition good. Barley 70% preboot, 20% boot, 10% headed. Corn planting 25% completed. Soil moisture 60% adequate, 20% surplus, 20% short.

PUERTO RICO: Island average rainfall 0.09 in., 1.80 in. below normal. Highest weekly total 1.40 in. Temperatures averaged about 78° to 79° on coasts and 73° to 75° interior. Temperature extremes: 94°, 53°

Dry weather retarded development of sugarcane ratoons but favored harvest. Coffee bean development affected by lack of rain. In Orocovis, coffee trees withering. Dry weather favored tobacco drying but affected production. Pastures seriously affected by drought especially southern coast and slopes. Due to scarcity of pastures government extended emergency aid to more areas. Planting food crops paralyzed by lack of rainfall. Established plantings affected seriously by drought.

SOUTH CAROLINA: Temperatures below normal early week, above normal near week's end. Rainfall heavier than normal coast, south; near normal elsewhere.

Soil moisture short to adequate. Weather favorable for fieldwork. Cotton 87% planted; last year, 82%. Earlier stands good; later stands fair. Corn, good; 93% planted; 88% last year. Tobacco, good; transplanting complete; last year 93% transplanted. Tobacco growers applying pesticides, sidedressing, cultivating. Small grains, fair to good; all headed, half turned, small amount ripened. Grain hays, 34% harvested; 26% last year. Hay, pastures, fair to good. Soybeans, 14% planted; 6% last year. Sorghums, 14% planted; 8% last year. Peaches, good Piedmont; fair Ridge, Sandhills, Coastal Plains. Peanuts, 65% planted; 77% last year. Spring vegetables, fair; hail damage in some fields.

SOUTH DAKOTA: Temperatures averaged near normal. Beneficial rains received ranged from 0.50 to 2.00 in. in the central and eastern sections. Deficiencies from first of year lessened. Spring grains emerging with generally good stands. Wild oats and weeds a problem. Winter wheat good, though wheat streak mosaic a problem in southwest quarter of the State. Corn planting made good progress, 38% complete. Planting of sorghum and soybeans just underway. Stock moving to pastures. Pasture growth slow.

TENNESSEE: Precipitation ranged 0.68 in. mid-State to 2.13 in. Plateau region. Heavy, local rain west Thursday night. Almost 5.00 in. Jackson in 12 hours. Temperatures averaged 1° to 2° subnormal west and 3° to 5° subnormal east.

About 75% spring plowing completed, averaging 85%, 55% last year. Plant growth slowed by lower temperatures and light frosts. Wheat and barley 85% headed, oats 75%. Wheat and oats considerably ahead last year and average. Condition fair. Early corn beginning to emerge, poor stands. Corn, 50% planted, 60% normal, 20% last year. Considerable earlier planted cotton to be replanted due to packed ground, erosion and flooding. Cotton 40% planted, 60% average, 10% last year. Tobacco transplanting started. Some plants ready to set but delayed by wet weather. First cutting alfalfa 15% completed, same as last year, behind average.

TEXAS: Torrential rain south Texas. Thunder-showers widespread all but northeastern quarter. Strong winds over plains and panhandle during week-end caused some drying. Temperatures remained below average plains, but near normal elsewhere. Near normal rain fell northcentral, westcentral and lower valley. Northeast and west plains short. Wheat, oat harvest slowly gaining momentum. Planting cotton, corn, sorghum generally ahead schedule. Cotton blooming lower Rio Grande Valley.

Sorghum heading southcentral.

Major crops; percent planted: Cotton 35%, 1973 30%; Corn 92%, 1973 89%; Sorghum 52%, 1973 52%; Peanuts 15%, 1973 15%; Rice 93%, 1973 72%; Soybeans 4%, 1973 7%.

Major crops, percent harvested: Wheat 1%, 1973 0%; Oats 1%, 1973 1%; Flax 62%, 1973 2%.

Lower Rio Grande Valley: Potato harvest full swing. Cantaloup, honeydew harvest continues. Light harvest watermelons, green peppers. Onion harvest passed peak. Light supplies of cabbage and carrots. Coastal Bend: Sweet corn, carrots good growth. Cucumber, squash harvest continues. Watermelons sizing harvest expected ten days to two weeks. Laredo: Carrot, onion harvest rapidly nearing completion. San Antonio-Winter Garden: Rains slowed potato, cabbage harvest. Most watermelons making good growth. Onion harvest continues on a slow market. East Texas: Most watermelons are planted. Tomatoes, cucumbers, squash normal growth. Sweetpotato planting full swing. North Texas: Watermelons beginning to emerge. Tomatoes good progress. Knox-Haskell: Fungicides applied to Irish potato crop. Trans-Pecos: Planting tomatoes and cantaloups underway. High plains: Potatoes, onions and carrots making good progress.

Light peach harvest continues in south. Pecan set moderate to heavy on trees that did not lose leaves in 1973. Citrus harvest final stages.

Range grazing conditions improved. Livestock gained weight. Supplemental feeding declining. First cuttings hay most areas. Outlook second and third crop good to excellent. Sheep shearing nearing completion Trans-Pecos.

UTAH: Virtually no precipitation. Strong damaging wind north over weekend. Average temperatures 4° to 8° above normal. Some freezing temperatures in valleys damaged sensitive crops.

Soil moisture short most nonirrigated crop and range lands, very short southwest. Fruit prospects favorable. Winter wheat condition good for fall planted acreage. Planting 40% complete field corn, 60% sweet corn, 50% tomatoes; 85% potatoes in north, 30% Millard County, and zero in leading Iron-Washington County. All other crops planted. Acreage 85% emerged for spring wheat and barley, 80% oats, 65% sugarbeets. Spring range feed fair to good. Calving and shearing 95% complete, lambing 75% over. Movement to spring rangelands 75% completed for cattle, 80% or more for sheep.

VIRGINIA: Temperatures 5° to 8° below normal. Extremes 82° and 26°. Scattered frost 7th and 8th. Precipitation heavy, amounts over 3.00 in. some sections.

Spring crop progress slowed by general rains. Topsoil moisture improved with 74% adequate, 17% surplus, 9% short. Corn 63% planted, 52% 1973. Cotton, 49%, 75% 1973. Peanuts, 34%, 47% 1973. Flue-cured tobacco, 9%, same as 1973. Soybeans, 8%, 9% 1973. Few fields fire-cured and burley set. Baling hay more active. Vegetable planting continued Eastern Shore. Some potatoes blooming, most up to good stand. Minimal frost damage to fruit and vegetables. Disease and insects still in small grains. Grains and pasture improved with additional moisture.

WASHINGTON: West: Temperature average to little

above. Precipitation ranged from 0.04 to over 1.00 in. Planting sweet corn underway, growth slow. Field rhubarb harvest near completion major areas. Blueberries in full bloom. Digging certified strawberries and planting new strawberry fields continue. Strawberry harvest expected late. Pastures improved, furnishing adequate grazing. Grass silage harvest underway.

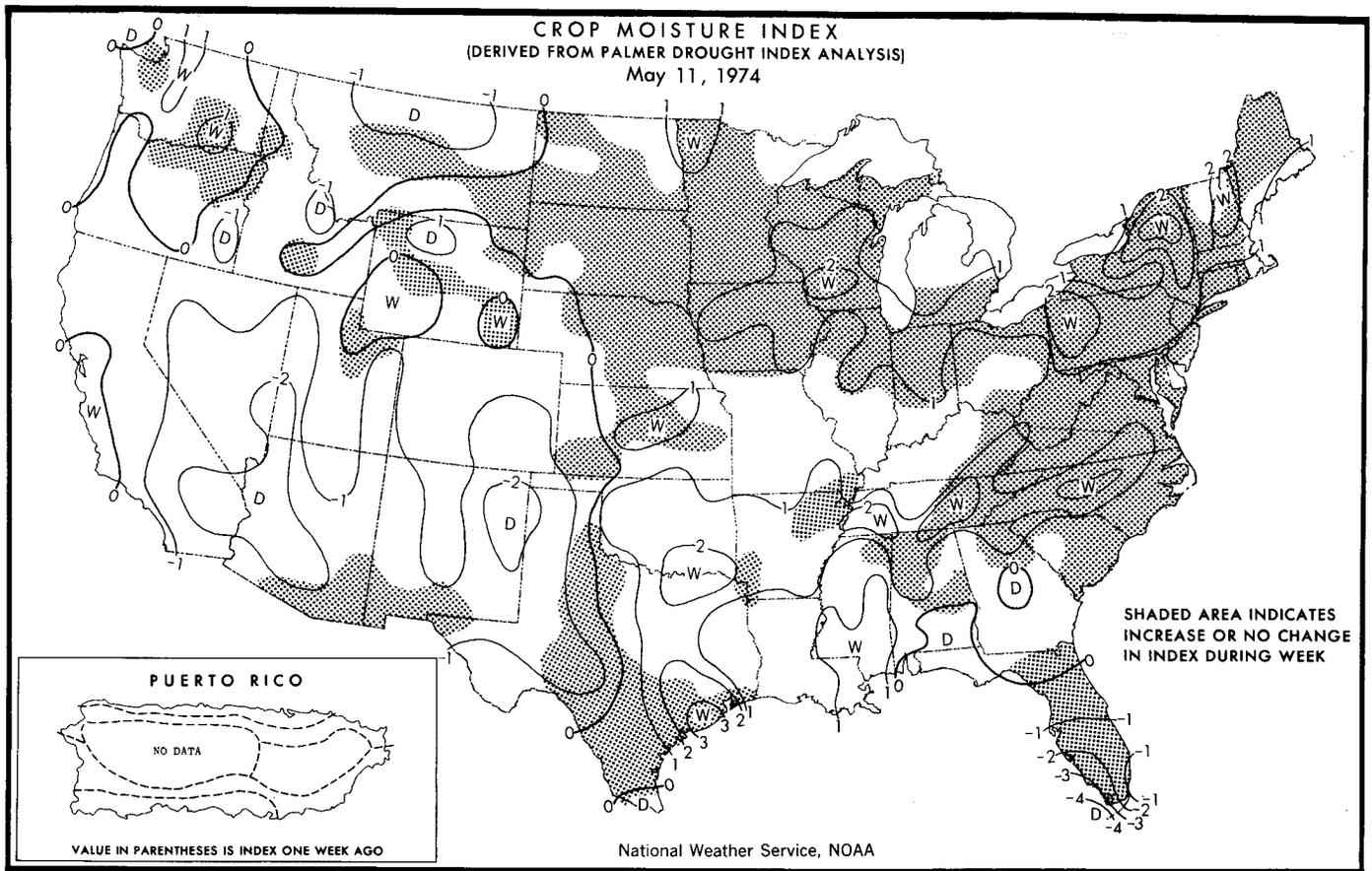
East: Temperatures 1° to 2° above normal. Precipitation ranged from zero in central part to 0.20 along eastern border. Bean, sweet corn, potato planting underway. Early peas, potatoes growing well. Asparagus harvest continues with good yields. Sugarbeet thinning in progress. Planting new fruit trees. Application of chemical thinners to apple and pear trees. Seeding of spring crops almost completed except few wet areas. Generally crops improving, some nitrogen deficiency. Some wheat, barley heading. Pastures, ranges, livestock, good condition.

WEST VIRGINIA: Temperatures well below normal. Lows from lower 20's to freezing all stations except Bluefield. Frost general 2 or 3 mornings. Highs in 80's late week. Heavy precipitation mid and late week, amounts as high as 2.65 in. Rains helped alleviate dry soil conditions many areas. Corn planting and plowing active on the 4 days favorable for fieldwork. On less favorable days farmers repaired fences and other non-fieldwork. Corn nearly 33% planted, spring oats 75%, potatoes nearly 90%. Small grains improved during week. Pastures, hay, and gardens deteriorated because of frost and freeze damage.

WISCONSIN: Cold, wet week. Temperatures 10° subnormal, frost several nights. Precipitation 1.00 to 2.00 in. throughout State, heaviest south and central.

Crop planting and development slowed by cold soils and rain. Oats 95% planted, 1973 50%, normal 80%. Early oats and winter wheat doing well. Corn 20% planted, 1973 3%, normal 10%. Some fertilizer shortages for corn, especially nitrogen. Spring plowing 70% done, 1973 45%, normal 60%. Hay growing well south and east where spring moisture was generally adequate. Rain and warmer temperatures needed other areas for hay growth. Vegetable planting slowed by rain and cold but progress ahead of last year. Frost set back maturity of early planted vegetables. Potato planting well along.

WYOMING: Precipitation mostly light. All stations report subnormal amounts for season. Most stations, less than 0.10 in. for the week. Temperatures mostly 3° - 5° above seasonal with most stations averaging in mid-50's. Lows normally in the upper 20's and low 30's. Highs in the 70's and low 80's. Seeding small grains, sugarbeets, corn continued. Seedbed preparation for beans, potatoes and some planting of potatoes. Spring wheat, oats, barley, sugarbeets 80-90% seeded, corn 50%. Emergence spring wheat, oats, barley, sugarbeets 40-50%. Topsoil, subsoil moisture short to adequate. Many areas need moisture. Winter wheat prospects good. Calving 85% complete. Range lambing 65%, farm flock lambing nearly finished. Range shearing 75% complete. Spring, early summer grazing prospects fair to good. Cattle roughage 60%, sheep roughage 90% from grazing.



SHADED AREAS: Index increased or did not change last week

Index

- Above 3.0 Excessively wet, some fields flooded
- 2.0 to 3.0 Too wet, some standing water
- 1.0 to 2.0 Prospects good, some fields too wet
- 0 to 1.0 Moisture adequate for present normal needs
- 0 to -1.0 Prospects improved, but rain still needed
- 1.0 to -2.0 Some improvement, but still too dry
- 2.0 to -3.0 Drought eased, but still serious
- Below -4.0 Not enough rain, still extremely dry

UNSHADED AREAS: Index decreased last week

Index

- Above 3.0 Some drying, but still excessively wet
- 2.0 to 3.0 More drying weather needed, work delayed
- 1.0 to 2.0 Favorable, except still too wet in spots
- 0 to 1.0 Normal growth and fieldwork
- 0 to -1.0 Topsoil moisture short, germination slow
- 1.0 to -2.0 Abnormally dry, prospects deteriorating
- 2.0 to -3.0 Too dry, yield prospects reduced
- 3.0 to -4.0 Potential yields severely cut by drought
- Below -4.0 Extremely dry, most crops near ruin

The map gives a general picture of how wet or dry the Nation was last week. It shows areas where abnormal wetness or dryness have hindered crops and areas where moisture conditions have favored them.

The lines show the crop-moisture situation according to an index computed from values of temperature and precipitation by areas...350 climatological divisions, which correspond roughly to SRS's crop reporting districts. Previous weekly computations of soil moisture account for the effects of prior weather.

Shaded areas are those where precipitation increased the index last week or where soils did not dry. Unshaded areas dried last week.

The centers of wet or dry areas are marked: W=wet; D=dry. The map lines mark off crop situations. Use the legend to interpret.

Local variations caused by isolated rain or by soil differences are not shown. While shallow rooted crops in poor soils may suffer more than the map shows, conditions may be better where soils are good. Also, legends apply to growing rather than mature plants. Any map interpretation must consider both the growth stage and moisture status and trend. In irrigated regions, the index values reflect only departures from ordinary irrigation requirements.



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Heating Degree Days (Base 65°) For Week Ending May 12, 1974

States and Stations	Weekly			Seasonal + Accumulation			States and Stations	Weekly			Seasonal + Accumulation			States and Stations	Weekly			Seasonal + Accumulation		
	TOTAL	Departure*	Departure*	TOTAL	Departure*	Departure*		TOTAL	Departure*	Departure*	TOTAL	Departure*	Departure*		TOTAL	Departure*	Departure*	TOTAL	Departure*	Departure*
ALA. Birmingham . . .	8	1	2146	690	857		Portland . . .	126	23	6698	498	387	Tulsa	0	-9	3311	-360	-720		
Mobile	0	0	1037	647	559		MD. Baltimore . . .	60	27	4346	-337	-164	OREG. Astoria . . .	99	3	4995	180	275		
Montgomery	0	-3	1643	626	541		MASS. Boston . . .	101	39	5169	-322	-181	Burns	81	-20	6546	-239	-443		
ARIZ. Flagstaff . . .	54	-62	6201	648	1574		MICH. Alpena . . .	153	34	7851	-275	47	Medford	41	-25	4343	-363	-297		
Phoenix	0	0	1093	459	460		Detroit	127	59	6125	-146	42	Philadelphia . . .	41	-18	4542	-516	-783		
Tucson	0	0	1652	55	747		Flint	128	45	6453	-367	52	Portland	56	-12	4166	-356	-79		
Winslow	11	-26	4716	51	1		Grand Rapids . . .	135	60	6543	81	9	Salem	72	3	4582	23	-284		
Yuma	0	0	907	98	283		Houghton Lake . .	148	45	7789	-235	109	PA. Allentown . . .	86	-32	5183	-534	-312		
ARK. Fort Smith . .	1	-6	3048	283	837		Lansing	136	59	6648	70	-168	Erie	128	37	6019	-580	-214		
Little Rock	2	5	2649	698	599		Marquette	170	47	7927	5	-123	Harrisburg	61	21	4618	-552	-340		
CALIF. Bakersfield .	0	-8	1760	421	458		Muskegon	144	58	6685	20	221	Philadelphia . . .	49	11	4410	-405	-172		
Eureka	97	5	4196	37	119		S. Ste. Marie . . .	155	27	8860	133	419	Pittsburgh	89	30	5159	-651	-235		
Fresno	0	-15	2379	241	472		MINN. Duluth . . .	173	47	9583	281	-35	Scranton	107	45	6155	4	-71		
Los Angeles	13	-15	1363	321	6		Internat'l Falls . .	159	38	10127	8	445	R.I. Providence . .	95	22	5350	-461	-111		
Red Bluff	0	-20	2688	33	391		Minneapolis	124	45	7749	-344	65	S.C. Charleston . .	2	2	1395	-751	-573		
San Diego	9	-12	1056	357	115		Rochester	138	59	7843	-160	-245	Columbia	2	-5	1599	-999	-895		
San Francisco . . .	54	1	2858	53	32		St. Cloud	134	45	8585	-36	31	S.DAK. Aberdeen .	93	11	8348	-27	655		
Stockton	0	-20	2466	298	292		MISS. Jackson . . .	1	0	1747	-553	-621	Huron	85	11	7446	-400	0		
COLO. Denver	22	-47	5833	178	683		Meridian	0	-2	1537	-851	-732	Rapid City	84	1	6616	-406	-646		
Grand Junction . .	5	-34	5813	285	633		MO. Columbia . . .	58	25	4812	-200	-401	Sloux Falls	94	23	7242	-402	-251		
Pueblo	11	-32	5027	272	921		Kansas City	31	-1	4835	-262	-468	TENN. Chattanooga	33	19	2943	-538	-794		
CONN. Bridgeport . .	72	8	4803	528	638		St. Louis	59	31	4597	-93	-251	Knoxville	21	7	2863	-595	-660		
Hartford	88	23	5707	513	61		Springfield	19	-8	4023	-497	-570	Memphis	0	-7	2504	-713	-969		
DEL. Wilmington . .	58	19	4316	571	74		Mont. Billings . . .	74	-13	6426	-533	-1011	Nashville	18	4	2975	-701	-520		
D.C. Washington . .	39	17	3398	784	445		Glasgow	81	-8	8136	-500	-11	TEX. Abilene	5	-1	2096	-514	-1232		
FLA. Apalachicola .	0	0	490	571	382		Great Falls	92	-3	6965	-329	-410	Amarillo	6	-18	3405	-734	-1474		
Daytona Beach . . .	0	0	515	382	230		Havre	85	-7	7715	-779	-156	Austin	0	0	1310	-420	-448		
Ft. Myers	0	0	234	223	114		Helena	107	5	7363	-415	-1109	Brownsville	0	0	422	-220	-499		
Jacksonville	0	0	933	394	255		Helena	117	8	7338	-725	-526	Corpus Christi . . .	0	0	703	-227	-532		
Key West	0	0	41	21	20		Miles City	60	-16	8965	-658	-593	Del Rio	0	0	1063	-460	-685		
Lakeland	0	0	383	295	243		Missoula	123	22	6988	-525	-515	El Paso	0	0	2286	-392	-642		
Miami	0	0	131	75	7		NEBR. Grand Island	27	-25	6084	-209	-448	Fort Worth	0	0	1853	-529	-848		
Orlando	0	0	408	296	101		Lincoln	49	2	6162	44	-183	Houston	0	0	730	-494	-672		
Tallahassee	0	0	1106	457	419		Norfolk	53	-4	6408	-433	-436	Lubbock	5	-5	2639	-898	-1476		
Tampa	0	0	418	300	205		North Platte	48	-18	6558	-23	-526	Midland	1	1	2018	-603	-1357		
W. Pal. Beach	0	0	174	122	14		Omaha	68	14	6175	-298	-330	Beaumont	0	0	1106	-412	-799		
GA. Atlanta	4	-3	2309	778	645		Valentine	56	-18	6641	-449	-613	San Angelo	2	2	1639	-601	-1112		
Augusta	7	2	1981	566	411		NEV. Ely	57	-61	7106	-207	-786	San Antonio	0	0	1220	-500	-637		
Macon	4	3	1591	649	479		Las Vegas	0	-4	2418	-183	-623	Victoria	0	0	842	-385	-673		
Savannah	1	1	1275	677	322		Reno	34	-51	5767	65	-535	Waco	0	0	1630	-428	-1042		
IDAHO. Boise	56	-10	5085	521	563		Winneueca	29	-64	5521	-767	-1070	Wichita Falls . . .	1	-6	2273	-630	-1162		
Lewiston	53	-8	4943	315	335		N.H. Concord	123	37	7145	1	-429	UTAH. Salt Lake C	26	-38	5464	-311	-678		
Pocatello	82	-25	6506	241	792		N.J. Atlantic City	60	21	4344	-538	-150	VT. Burlington . . .	119	28	7507	-141	-138		
ILL. Cairo	22	9	3452	366	465		Trenton	62	22	4496	-393	-140	VA. Lynchburg . . .	44	19	3714	-482	-417		
Chicago	118	59	5808	192	102		N.MEX. Albuquerque	4	-15	4218	-56	-652	Norfolk	30	13	2727	-742	-462		
Moline	113	61	6072	215	51		Roswell	2	-6	3026	-669	-768	Richmond	33	14	3329	-583	-321		
Peoria	111	60	5737	258	214		N.Y. Albany	99	28	6731	1	262	Roanoke	41	11	3589	-673	-548		
Springfield	126	60	6377	326	27		Binghamton	129	42	6558	-490	-372	WASH. Quillayute .	118	12	5656	246	191		
IND. Evansville . . .	49	21	3941	640	632		Buffalo	127	39	6446	-258	109	Seattle-Tacoma . .	76	-3	4501	-346	-352		
Fort Wayne	110	50	5631	250	10		New York	66	23	4461	-385	-313	Spokane	88	3	5361	-181	-31		
Indianapolis	85	39	4827	665	358		Rochester	122	43	6200	-332	104	Walla Walla	41	-6	4301	-398	-538		
South Bend	124	56	5541	768	178		Syracuse	111	36	6450	-43	163	Yakima	59	-5	5429	-364	-284		
IOWA. Burlington . .	104	55	5742	310	226		N.C. Asheville	34	5	3403	-774	-478	W.VA. Beckley . . .	72	11	4607	-853	-551		
Des Moines	91	38	6021	575	515		Hatteras	17	3	1878	-835	-428	Charleston	50	18	3893	-633	-441		
Dubuque	135	67	6930	176	81		Charlotte	18	9	2781	-422	-556	Burlington	52	19	3833	-726	-678		
St. Louis City	52	-1	6197	633	375		Greenboro	24	6	3388	-411	-537	Parkersburg	66	31	4202	-552	-299		
KANS. Concordia . . .	17	-27	5258	272	448		Raleigh	23	9	2799	-694	-610	WIS. Green Bay . . .	140	49	7543	-290	192		
Dodge City	8	-23	4576	397	137		Wilmington	19	17	1706	-727	-570	LaCrosse	130	67	7079	-185	-136		
Goodland	28	-31	5772	186	750		N.Dak. Bismarck . .	104	15	8064	319	724	Madison	141	60	7135	-373	23		
Topeka	11	-22	4920	255	395		Fargo	132	41	8390	384	558	Milwaukee	150	57	6733	-440	-198		
Wichita	8	-19	4577	63	592		Williston	85	-6	8871	24	283	Wyo. Casper	80	-21	7135	-64	-957		
KY. Lexington	65	34	3977	696	303		OHIO. Akron-Canton	106	41	5388	-688	-78	Cheyenne	63	-39	6697	-192	-1036		
Louisville	55	24	3781	811	419		Cleveland	119	52	5302	-697	-239	Lander	71	-28	8271	755	-924		
LA. Baton Rouge . . .	0	0	1050																	