



Weekly Weather & Crop Bulletin

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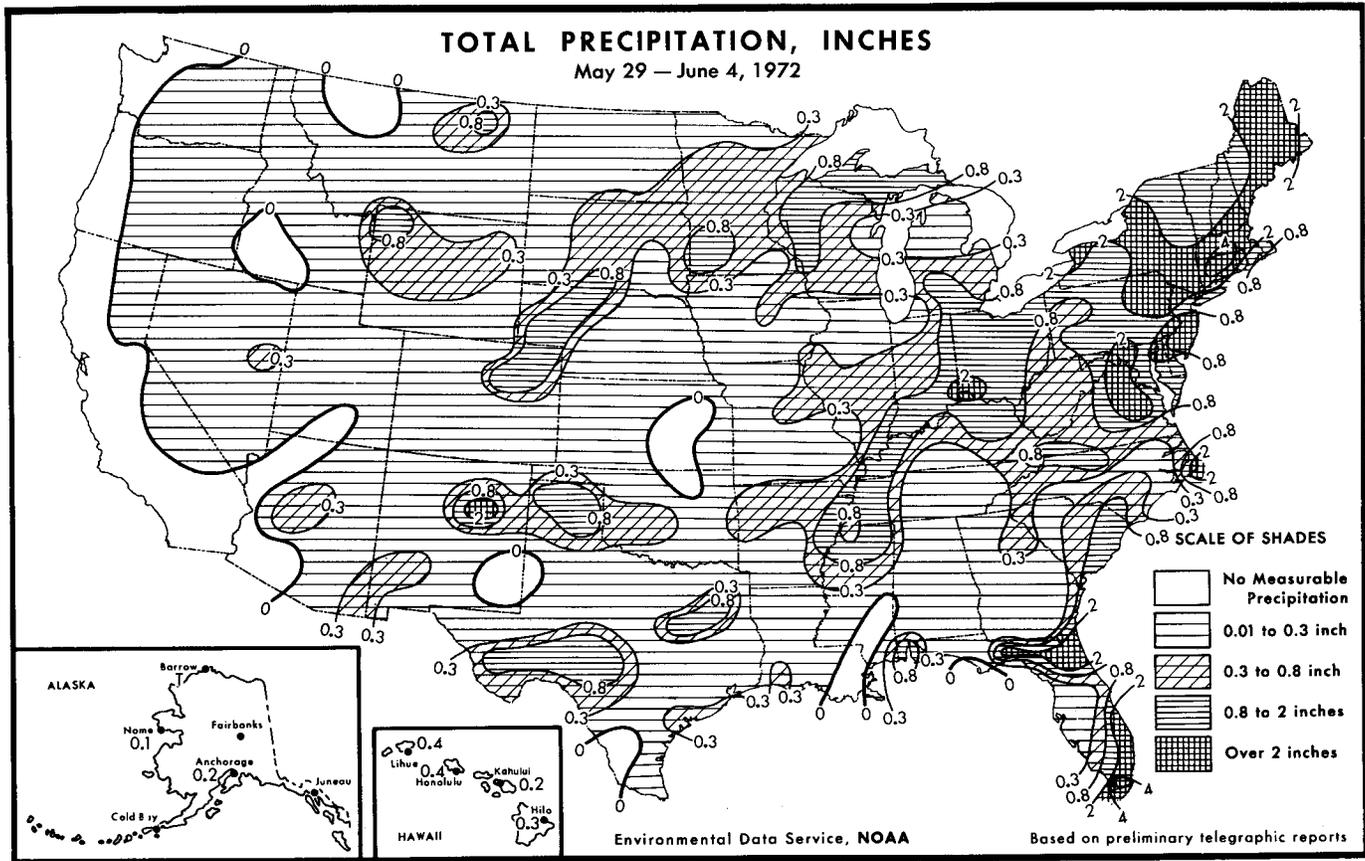
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Edited by Lucius W. Dye

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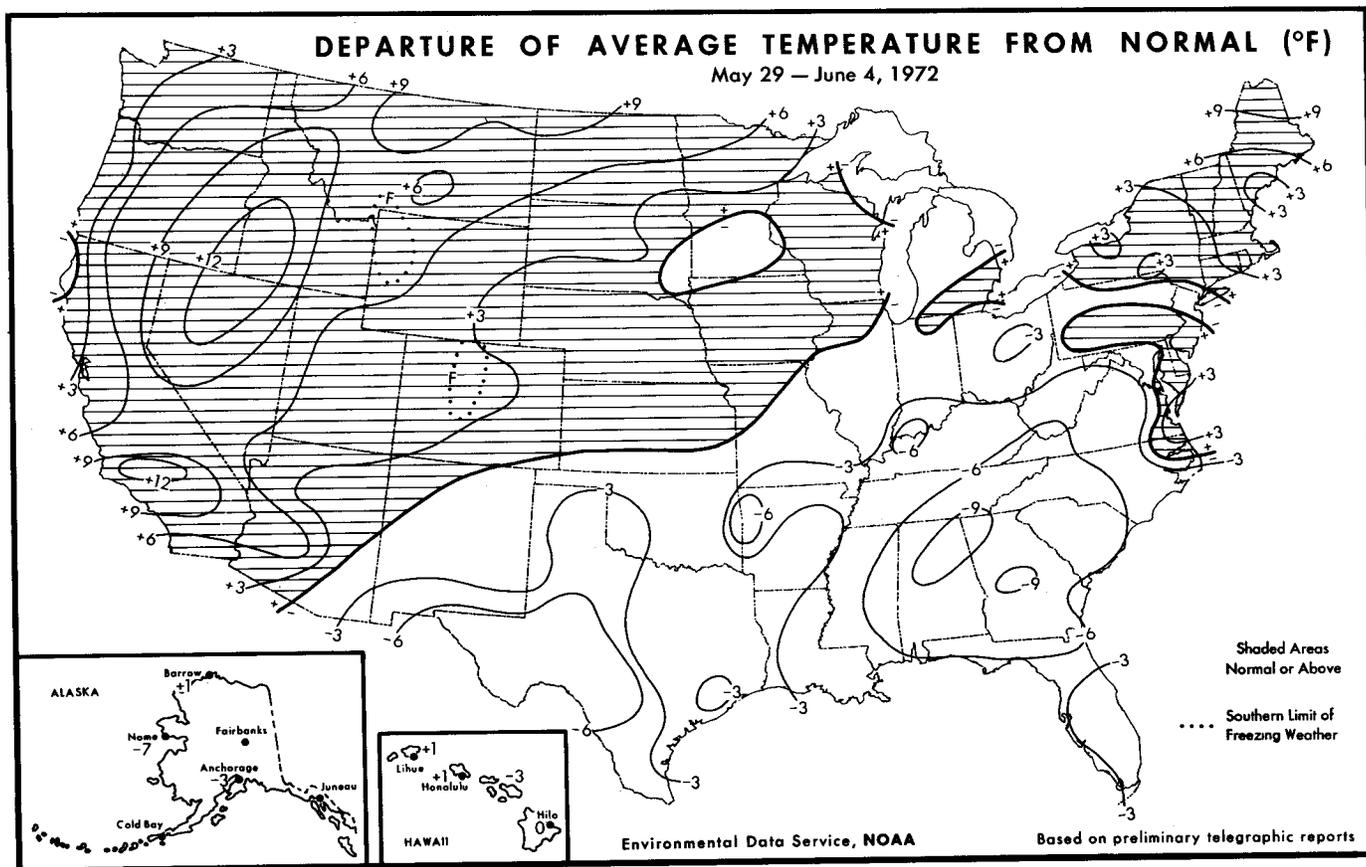


NATIONAL WEATHER SUMMARY

HIGHLIGHTS Hot summer weather continued over the northern Great Plains. Precipitation totals ranged widely from widely scattered sprinkles to a half inch over spots in the West and to over 2.00 inches in spots in the East. A few light sprinkles fell in Arizona and New Mexico.

PRECIPITATION: Showers and thunderstorms occurred from the Great Plains to the Appalachians Monday, May 29, and over most of the eastern third of the Nation on Tuesday and Wednesday. A few isolated showers fell in the arid Southwest. Las Vegas, Nev., received 0.44 inch of rain Tuesday evening. This is the only measurable rain that has fallen in May and is four times the monthly normal. Isolated light showers also fell in the Pacific Northwest early in the week. In general, most of the showers were light. Few totals exceeded 1.00 inch. Most of those fell Monday evening in the middle Mississippi River Valley.

A cold front pushed into the northern Great Plains as the weekend approached. It produced summertime thundershowers over the northern and central Great Plains and the Upper Mississippi River Valley. Isolated thunderstorms also dotted the western portions of the Nation from Idaho and Montana to Arizona and New Mexico. A few drops of rain fell at Phoenix, Ariz., but not enough to measure. Phoenix still is in its unprecedented stretch of dry weather. Measurable amounts have not fallen at Phoenix in the last 158 days. A thunderstorm at Denver dumped 4 to 6 inches of hail on parts of the city. Some locally heavy thunderstorms occurred late Sunday along portions of a front that extended from the central Great Plains to the Northeast. Some locally heavy amounts of rain fell in Nebraska, Iowa and New England. Local showers also soaked spots on the eastern side of the Florida Peninsula.



TEMPERATURE: A major change in weather occurred over the northern Great Plains early in the week when a strong arctic High pushed into the area from Canada. Strong winds accompanied the cold air. The winds reached gale speeds over the Great Lakes. Afternoon temperatures in Wisconsin were mostly in the 50's but Chicago, Ill., warmed only to 47° Tuesday afternoon.

The Far Southwest continued hot with desert locations registering 100° or higher. Needles and Blythe, Calif., recorded 102° Monday afternoon. Rapid warming occurred in the Pacific Northwest. Yakima, Wash., registered 95° Monday and Havre, Mont., recorded 94° Wednesday. The Cascades became very warm. Stampede Pass, high in the Cascades in Washington, warmed to 71° Monday afternoon with 68 inches of snow on the ground!

The chilly weather over the northern Great Plains spread eastward and southward and by

Wednesday had reached the Ohio River Valley. The weekend brought a rapid warmup. Afternoon temperatures reached the 90's over the central and southern Great Plains and the high 80's over much of the East as far north as Maryland and Virginia. The Far Southwest became hotter than it had been earlier in the week. Blythe, Calif., registered 105° Friday and Saturday and 106° Sunday. Moline, Ill., recorded 98° Saturday and Charlottesville, Va., registered 88° Sunday.

Temperatures averaged above normal north of a line from Tucson, Ariz., to Lake Erie and in New York and New England. Below-normal temperature averages occurred over the southern Great Plains and eastward to the middle and southern Atlantic coast. Parts of the Great Basin averaged 10° to 14° warmer than normal.

L. W. Dye

NATIONAL AGRICULTURAL SUMMARY

AGRICULTURAL HIGHLIGHTS: Soybean planting made good headway. * Wheat combining expanded. * Rains boost crop prospects Eastern Corn Belt. * Rain stops fieldwork in the Northeast.

SMALL GRAINS: Wheat and barley harvesting expanded throughout the Southwest and South-Central States. Combining progressed rapidly in Texas and 25 percent is now in the bin. Some first cuttings were made on the northern High Plains. Combines rolled across Oklahoma wheat-fields and harvest is near completion in the Southwest. Oklahoma acreage is about 15 percent cut -- sucker heads delayed ripening in some localities. Louisiana grain growers had a good week and 75 percent of their wheat and oat fields are combined. Combining forged ahead with little difficulty through the Southwest and Southeast regions of the Nation. Barley harvesting advanced as far north as Kentucky. Combining started on a few southern Kansas farms, but wheat harvest is still a few days away.

Fall-seeded grains are heading rapidly in the Nation's Northern half. A few fields of barley and wheat started ripening in Oregon, Indiana and Ohio. Cereal leaf beetles are plaguing Michigan oat fields.

Seeding of spring grains is nearly finished in the Far North, however, growers in the Dakotas and Minnesota are still behind schedule due to the wet spring.

CORN: It was another favorable week for the Nation's corn crop. Much needed rain fell over the eastern Corn Belt bringing moisture for germination and early season growth. Planting is completed in this area except for a few late fields in Ohio, Indiana, and Michigan. Drier weather in the western corn Belt allowed farmers to get back in the fields and resume seeding. Progress is behind last year and normal from Kansas to South Dakota and Minnesota. South Dakota farmers have the least amount of acreage planted anywhere in the Nation -- only 66 percent. Growers in Illinois and Iowa are finished, except for a few scattered fields. Overall the Corn Belt crop is slightly over 90 percent planted, whereas last year around 99 percent was in. Planted acreage is emerging nicely -- thus, cultivating and spraying are becoming major chores on many farms as weeds are up and growing.

In the South Central and South Atlantic Coast States planting is nearly over for the year. Cutworms are troublesome in Kentucky and some fields were replanted. Growth is generally good to excellent, with some early Alabama fields in the silk stage.

COTTON: The cotton situation remained mixed during the week. Another dry week allowed Texas growers to keep seeding--88 percent of the crop is in, compared to 76 percent last year. Hot weather continued to push the crop in California and Arizona.

Cool temperatures are plaguing the crop east of the Mississippi River. Warmer weather is needed to spur growth and development. Some early cotton in the Deep South started squaring. Squaring in Georgia is ahead of last year, but behind normal. Prospects are poor in both North and South Carolina.

SOYBEANS: For the 2d straight week the big push on many farms was to get the soybeans planted. Planting moved ahead rapidly across the Nation. Seeding in the North-Central States is about 10 percent behind last spring--75 percent is in the ground. Seeding in Illinois and Iowa, the Nation's 2 leading soybean producing States is equal to last spring at 90 percent and 85 percent planted, respectively. Dry soils are causing some germination problems in Illinois. About 2/3 rds of the acreage is seeded in the South-Central States. Ahead of last year. Wet fields slow seeding operations from South Carolina to New Jersey -- more than 50 percent remains to be seeded.

OTHER CROPS: Heavy downpours further delayed crop planting in the Northeast. Fieldwork was also delayed by rain in Minnesota. Farmers had few interruptions in other areas of the Nation. Haymaking was the major function on many farms. The first cutting began on many Northern farms. Alfalfa weevils are damaging hay stands in various States. Sorghum grain planting was widespread as dry fields allowed growers to resume seeding. Peanut prospects are good. Pegging began in early Alabama fields. Rice is progressing normally. Nearly all Arkansas fields are under flood. Soaked fields halted Maine potato planting--75 percent is in. Warm weather cleared tobacco blue mold out of most North Carolina areas.

Fruits and Nuts: Peach harvesting increased in the South and West. Picking moved into mid-Georgia, but volume is still light. Farther South--Florida citrus trees are in excellent shape, but a good rain would help. New England apple trees are past the bloom stage--set is good. Blossom end rot is hurting the New York sweet cherry crop.

Vegetables: Rainy weather improved vegetable crop prospects in the Northeast, but New York areas received excess moisture. Rain combined with hail to hurt onion fields on the Elba muck and some rain damage also occurred in Orange County muck fields. The opposite is true in Wisconsin where hot dry weather is hurting pea yields. Strawberry picking continued it's movement northward with local supplies available in most areas. Picking reached as far North as Pennsylvania. Vegetable crops are maturing slowly in the Southeast, and "especially" vine crops need warmer weather. Watermelons lead shipment volume from Florida.

PASTURES AND LIVESTOCK: Light showers brought scant relief to Western pastures. The first measurable precipitation since last year fell over most of Arizona--providing a small spark of grass growth, but much more rain is needed. Wyoming was one exception as 1/2 inch rain stimulated growth. Grass is scant and ranchers are forced to feed hay and haul water in many areas of the arid Southwest. Rain is also needed to aid grass growth in Alabama, Michigan, and Wisconsin. Pastures in many States from the Great Plains to the Atlantic Ocean are providing livestock with excellent grazing.

Steve J. Pscodna
Agricultural Statistician

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., JUNE 11, 1972

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 . . .	66	-10	.2	-.7	New Orleans . . .	75	-3	0	-1.0	OKLA. Okla. City . . .	71	-3	.7	-.5
Mobile . . .	74	-6	1.0	-.3	Shreveport . . .	74	-3	.1	-.8	Tulsa . . .	72	-1	T	-1.1
Montgomery . . .	71	-6	T	-.7	MAINE, Caribou . . .	66	+10	3.3	+2.4	OREG. Astoria . . .	56	+1	T	-.9
ALASKA, Anchorage . . .	48	-3	.2	0	Portland . . .	61	+2	2.1	+1.4	Burns . . .	67	+10	T	-.2
Barrow . . .	28	+1	T	-.1	MD, Baltimore . . .	68	-1	.5	-.3	Medford . . .	66	+6	0	-.3
Fairbanks . . .	---	---	---	---	MASS, Boston . . .	70	+5	2.2	+1.5	Pendleton . . .	70	+8	.1	-.2
Juneau . . .	---	---	---	---	Chatham . . .	58	---	.6	---	Portland . . .	65	+5	0	-.4
Nome . . .	35	-7	.1	-.1	MICH, Alpena . . .	55	-1	.2	-.5	Salem . . .	59	+1	0	-.4
ARIZ, Flagstaff . . .	55	0	.6	+ .5	Detroit . . .	65	+1	.6	-.1	PA, Allentown . . .	66	0	3.6	+2.7
Phoenix . . .	86	+7	T	0	Flint . . .	61	0	.7	-.1	Erie . . .	59	-1	2.5	+1.8
Tucson . . .	77	-2	.3	+ .3	Grand Rapids . . .	62	-1	.8	0	Harrisburg . . .	77	+9	1.9	+1.1
Winslow . . .	71	+2	.1	0	Houghton Lake . . .	57	-1	.3	-.5	Philadelphia . . .	69	+1	.5	-.4
Yuma . . .	87	+4	T	0	Lansing . . .	61	-2	.4	-.5	Pittsburgh . . .	66	+1	.9	0
ARK, Fort Smith . . .	68	-6	.5	-.6	Marquette . . .	53	-2	1.7	+1.0	Scranton . . .	64	-1	3.6	+2.7
Little Rock . . .	73	-1	.1	-.8	Muskegon . . .	60	-2	.3	-.3	R.I, Providence . . .	66	+3	1.6	+ .8
CALIF, Bakersfield . . .	85	+12	0	-.1	S. Ste, Marie . . .	55	0	1.0	+ .2	S.C, Charleston . . .	71	-6	1.7	+ .6
Eureka . . .	53	-2	T	-.3	MINN, Duluth . . .	58	+3	.6	-.2	Columbia . . .	75	-2	.4	-.3
Fresno . . .	80	+8	0	0	Internatl Falls . . .	62	+6	T	-.7	Greenville . . .	68	-7	T	-.7
Los Angeles . . .	76	+10	0	0	Minneapolis . . .	62	-1	.7	-.2	S, DAK, Aberdeen . . .	65	+2	.5	-.2
Red Bluff . . .	78	+6	0	-.1	Rochester . . .	63	0	.1	-.9	Huron . . .	65	+3	.3	-.4
San Diego . . .	68	+3	0	0	St. Cloud . . .	61	0	.8	-.2	Rapid City . . .	63	+3	.2	-.6
San Francisco . . .	58	-3	T	0	MISS, Jackson . . .	73	-3	T	-.9	Sioux Falls . . .	62	-1	.3	-.6
Stockton . . .	75	+5	T	0	Meridian . . .	70	-7	T	-.8	TENN, Chattanooga . . .	65	-10	.1	-.7
COLO, Denver . . .	66	+5	1.0	+ .6	MO, Columbia . . .	67	-2	.4	-.7	Knoxville . . .	66	-6	.1	-.6
Grand Junction . . .	73	+6	.2	+ .1	Kansas City . . .	74	+2	.1	-1.0	Memphis . . .	71	-3	.6	-.3
Pueblo . . .	68	+2	T	-.4	St. Louis . . .	68	-2	T	-1.0	Nashville . . .	68	-5	.1	-.7
CONN, Bridgeport . . .	65	+1	2.8	+2.0	Springfield . . .	67	-3	T	-1.2	TEX, Abilene . . .	74	-3	T	-.8
Hartford . . .	67	+3	4.2	+3.4	MONT, Billings . . .	66	+5	.2	-.4	Amarillo . . .	62	-10	.8	0
D.C, Washington . . .	70	0	1.0	+ .2	Glasgow . . .	66	+8	.8	+ .3	Austin . . .	77	-2	T	-.8
FLA, Apalachicola . . .	74	-4	0	-1.0	Great Falls . . .	67	+11	T	-.7	Beaumont . . .	76	-2	.1	-.8
Ft. Myers . . .	79	0	1.1	-.8	Havre . . .	68	+10	T	-.5	Brownsville . . .	77	-4	.3	-.6
Jacksonville . . .	73	-6	2.7	+1.5	Helena . . .	64	+8	T	-.5	Corpus Christi . . .	78	-2	.2	-.5
Key West . . .	78	-3	2.2	+1.4	Kalispell . . .	61	+6	T	-.6	Dallas . . .	76	-2	0	-.9
Lakeland . . .	77	-2	.1	-1.1	Miles City . . .	69	+8	T	-.5	Del Rio . . .	76	-6	.7	0
Miami . . .	78	-2	2.4	+ .8	Missoula . . .	66	+11	T	-.4	El Paso . . .	71	-7	T	-.2
Orlando . . .	80	0	.1	-1.1	NEBR, Grand Island . . .	68	+2	T	-.9	Fort Worth . . .	74	-3	T	-.9
Tallahassee . . .	72	-7	2.6	+1.2	Lincoln . . .	71	+3	.3	-.6	Galveston . . .	78	-1	.9	+ .3
Tampa . . .	77	-3	.2	-1.4	Norfolk . . .	67	+1	.2	-.7	Houston . . .	75	-4	0	-1.0
GA, Atlanta . . .	68	-6	.3	-.6	North Platte . . .	65	+1	.1	-.6	Lubbock . . .	71	-3	T	-.8
Augusta . . .	70	-7	.2	-.4	Omaha . . .	68	+2	.4	-.4	Midland . . .	71	-8	1.1	+ .6
Macon . . .	70	-9	T	-.6	Valentine . . .	64	+1	1.3	+ .6	San Angelo . . .	71	-8	T	-.7
Savannah . . .	72	-5	1.6	+ .6	NEV, Ely . . .	62	+8	.6	+ .4	San Antonio . . .	74	-2	.5	-.2
HAWAII, Hilo . . .	74	0	.3	-1.3	Las Vegas . . .	84	+6	T	0	Victoria . . .	77	-2	.1	-.8
Honolulu . . .	78	+1	.4	+ .3	Reno . . .	67	+10	T	-.1	Waco . . .	74	-3	.1	-.8
Kahului . . .	74	-3	.2	-.1	Winnemucca . . .	71	+14	T	-.2	Wichita Falls . . .	74	-1	T	-.8
Lihue . . .	77	+1	.4	-.1	N.H, Concord . . .	65	+4	2.2	+1.4	UTAH, Blanding . . .	67	+5	.1	0
IDAHO, Boise . . .	74	+13	T	-.2	N.J, Atlantic City . . .	66	-1	.6	-.1	Salt Lake City . . .	71	+4	.1	-.2
Lewiston . . .	71	+10	.2	-.2	Trenton . . .	68	0	.8	0	VT, Burlington . . .	64	+4	1.7	+1.0
Pocatello . . .	65	+7	.4	+ .1	N.MEX, Albuquerque . . .	69	-2	T	-.1	VA, Lynchburg . . .	66	-3	1.4	+ .6
ILL, Cairo . . .	71	-3	.9	-.1	Roswell . . .	---	---	---	---	Norfolk . . .	69	+5	.6	-.2
Chicago . . .	65	-1	0	-.9	N.Y, Albany . . .	64	0	1.8	+1.1	Richmond . . .	69	-3	2.9	+2.1
Moline . . .	69	+2	.1	-.8	Binghamton . . .	64	+4	2.1	+1.2	Roanoke . . .	66	-4	.4	-.5
Peoria . . .	66	-1	.1	-.9	Buffalo . . .	62	+1	2.2	+1.6	WASH, Colville . . .	63	+4	.1	-.4
Rockford . . .	66	+1	.1	-.9	New York . . .	66	-2	.9	+ .1	Omak . . .	65	+3	0	-.3
Springfield . . .	67	-2	.6	-.5	Rochester . . .	66	+4	1.1	+ .6	Quillayute . . .	55	+1	T	-.9
IND, Evansville . . .	66	-6	1.1	+ .2	Syracuse . . .	65	+2	2.9	+2.3	Seattle-Tacoma . . .	61	+4	0	-.4
Fort Wayne . . .	64	-2	1.6	+ .6	N.C, Asheville . . .	62	-7	.5	-.3	Spokane . . .	66	+7	.1	-.3
Indianapolis . . .	66	-1	.7	-.3	Charlotte . . .	68	-6	.1	-.6	Walla Walla . . .	71	+8	.1	-.2
South Bend . . .	64	0	.2	-.6	Greensboro . . .	66	-6	.9	+ .1	Yakima . . .	69	+8	.2	0
IOWA, Burlington . . .	67	0	.4	-.6	Hatteras . . .	68	-4	3.1	+2.2	W.VA, Beckley . . .	60	-6	.5	-.5
Des Moines . . .	67	+1	T	-1.0	Raleigh . . .	68	-4	.1	-.7	Charleston . . .	65	-4	.6	-.2
Dubuque . . .	66	+2	.3	-.6	Wilmingon . . .	70	-5	.1	-.8	Huntington . . .	63	-6	2.2	+1.3
Sioux City . . .	68	+1	.1	-.8	N.DAK, Bismarck . . .	65	+5	.1	-.5	Parkersburg . . .	67	-2	.5	-.5
KANS, Concordia . . .	69	0	.1	-1.0	Fargo . . .	64	+4	.4	-.2	WIS, Green Bay . . .	62	+1	.3	-.4
Dodge City . . .	69	0	.2	-.5	Williston . . .	67	+9	T	-.5	La Crosse . . .	64	-1	.8	-.1
Goodland . . .	67	+2	.1	-.5	OHIO, Akron-Canton . . .	62	-3	1.4	+ .5	Madison . . .	62	0	.4	-.4
Topeka . . .	71	+1	T	-1.0	Cincinnati . . .	66	-2	2.1	+1.2	Milwaukee . . .	61	+2	.6	0
Wichita . . .	71	0	T	-.9	Cleveland . . .	62	-2	1.2	+ .4	WYO, Casper . . .	62	+4	.5	+ .1
KY, Lexington . . .	65	-5	1.0	0	Columbus . . .	64	-3	1.5	+ .6	Cheyenne . . .	59	+1	.2	-.3
Louisville . . .	66	-4	.8	-.1	Dayton . . .	65	-2	1.2	+ .3	Lander . . .	63	+6	.6	+ .2
LA, Baton Rouge . . .	75	-3	0	-.7	Toledo . . .	62	-2	1.4	+ .6	Sheridan . . .	63	+6	.1	-.5
Lake Charles . . .	76	-3	.7	-.4	Youngstown . . .	61	-2	.8	-.1	P.R. San Juan . . .	83	+3	.7	-.7

* Departures are from 30-year means (1931-60). Based on preliminary reports

CONDENSED STATE SUMMARIES

These summaries provide brief descriptions of condition and activities important on a national scale. Detailed reports of crop and weather conditions during the growing season are contained in State issues of Weekly Weather and Crop Bulletins published by field offices of the Statistical Reporting Service, U.S.D.A. in cooperation with NOAA Climatologists.

ALABAMA: Partly cloudy and mild with scattered light showers early in period. Fair, windy, and quite cool Wednesday and Thursday with temperatures more than 10° below normal. Sunny and much warmer over weekend with maximums in 90's Sunday. Average temperatures much below normal. No rainfall of consequence. Open weather enabled farmers to make good progress with fieldwork. Soil moisture short most central and southern counties and few northern counties. Cool temperatures slowed development cotton--crop needs hot weather. Corn made satisfactory progress, with earliest fields in silk stage. Planting soybeans active with almost 2/3 crop seeded. Peanuts continue excellent condition with earliest fields pegging. Wheat harvest active, but yields and quality grain continue disappointing as harvest moves northward. Harvest late spring Irish potatoes active. Vegetable harvest gaining momentum. Much good quality hay saved. Pasture condition deteriorated and needs moisture badly southern and central counties.

ALASKA: Warmer nighttime temperatures brought average readings in Tanana Valley to well above normal. Kodiak was slightly above with all other areas experiencing cool days and near normal nights. No freezing temperatures reported. Tanana Valley and Kodiak received little or no rainfall, while remainder agricultural areas received heavy rain. Soil moisture supply adequate. Planting crops continues slow due cold temperatures and past drying conditions. Fertilizer application slow due wet conditions many fields. Livestock generally good condition. Pasture growth continues slow due cold temperatures.

ARIZONA: Scattered showers most of State. Although rainfall amounts were not great, it was first significant precipitation at most stations since beginning of calendar year. The Weather Service Forecast Office in Phoenix continued its record run of consecutive days without measurable precipitation with 158 such days through June 4. Cotton crop makes good progress. Squaring, flowering progressing normally Yuma. Southeast crop making good growth. Harvest small grains active Yuma and central. Yields below last years. Sorghums make good progress. Flowering, head development safflower progressing normally. Sugar beets making very good headway, mites problem some fields. Second cutting alfalfa hay continues. Lettuce harvest continued full swing Cochise County. Cantaloupe harvest continued full swing Yuma. Quality excellent--best in years. Pinal County cantaloupes making good progress. Harvest grapefruit and Valencia oranges nearing completion Yuma. Insect controls required some groves. Valencia harvest continued Salt River Valley. Market conditions weakened due competition California fruit. Demand very good pink and white grapefruit for export markets. Groves both areas made excellent growth. Ranges remain fair to poor. Light showers received, but not sufficient to replace soil moisture or produce runoff. May produce some browse, but more needed to improve perennial grasses. Stock tanks dry many areas. Pumping water increasing. Supplemental feeding becoming general practice. Roundup nearly completed.

ARKANSAS: Scattered showers early in week produced rainfall totals of over an inch in extreme south-central portion of State and 0.50 to 1.00 inch in a few locations elsewhere. Much of State received only very small amounts or none. Driest areas in south-central and in broad band from central to northeast portions. Little Rock so far this year has had only 10.46 inches compared to normal of 25.12 inches. Mean temperature departures in range -1° to -6° with greatest departures in northwest and north-central portions. Following some cooling at midweek, temperatures on gradual upward trend through weekend. Crops making fair to good progress, but soil moisture short over much of State. Cotton growing well. Plants earliest fields have begun to put on squares. Rice making normal progress. Nearly all fields now under flood. Soybean planting about 70% complete. Showers most beneficial for getting stands. Farmers in driest areas waiting for rain before further seeding. Wheat and oats being combined south, maturing rapidly elsewhere. Mostly fair to good yields expected. Feed grains making normal progress, but drought stress noted for corn some central and southern counties. Hay harvest active. Early peach harvest underway. Marketing tomatoes beginning June 5. Crop good but rain needed. Pastures short numerous counties. Grazing still sufficient for most herds. Little or no weight gains driest areas.

CALIFORNIA: Much warmer interior, south coast. Average temperatures 2° to 10° above normal throughout area, 12° above normal northeastern interior. Persistent low cloudiness, cooler north, central coasts. Light showers Desert, southern Sierra several days, central coast Friday. Wheat, barley harvest continues. Cotton fertilizing, irrigation underway--early blooms Desert areas. Sorghum planting active. Perlette grape harvest declining. Harvest early varieties freestone peaches, plums, nectarines, and apricots picking up. Pears, apples normal. Almonds, walnuts developing well. Lemon, grapefruit harvest active. Salinas broccoli, cauliflower moderate shipments, light to moderate Santa Maria. Limited cabbage supplies Orange County, Imperial Valley cantaloupe continues; starting Palo Verde. Coachella Valley carrot harvest continues. Celery harvest moderate Ventura, Orange; light volume Santa Maria. Sweet corn reduced shipments Coachella, Imperial Valley. Salinas Valley lettuce moderate volume. Onion harvest active Stockton, Fresno. Kern potatoes near peak. Orange, San Diego strawberry virtually complete; Oxnard decline. Imperial Valley watermelons increasing. Range feed supplies continue inadequate. Most livestock on irrigated permanent pastures. Stock in good condition, but light weight. Stockwater supplies being supplemented. Bees moving to alfalfa and melon fields.

COLORADO: Warm most areas. Dry mountains and west except scattered light showers. Light to locally heavy rains eastern plains. Some local flooding and severe hail. Local afternoon thunderstorms improved soil moisture east-central areas. Surface soil moisture short to very short other areas. Fieldwork active. Winter wheat fair to very good; 84% headed, 10% turning color.

Winter barley good to very good, 80% headed, 3% turning color. Sorghum 69% seeded, 49% emerged. Dry beans 44% planted, 14% emerged. Corn 78% up to stand. Potatoes 79% emerged. Condition spring-planted crops good to very good. Sugar beets 35% thinned or blocked. Light to moderate hail damage corn, sugar beets, and wheat east-central area. Condition alfalfa good, 1st cutting 23% complete. Condition ranges and pastures declined most areas. Most livestock moved to summer pastures.

FLORIDA: Heavy showers northeast Monday. Cold front moving southeast through State Wednesday and Thursday brought record low temperatures to Panhandle and northern division, and heavy showers lower East Coast and Keys. Temperatures 6° to 9° below normal northern sections, becoming slightly below normal south Florida. Rainfall varied from 3.00 inches lower East Coast and 2.00 inches north Florida to 1.00 inch in Panhandle and Keys, with only 0.50 inch elsewhere. Heaviest rainfall for month of May along lower East Coast with Miami reporting 13.71 inches and Homestead 12.42 inches. Wheat harvest progressing. Most crops very good condition. Some acreage soybeans remain to be planted. Pastures and livestock improved. Most good to excellent. Pasture weed control active. Citrus tree condition excellent, rain needed. Irrigating south-central and west coast growing areas. Harvest grapefruit slowing. Valencia picking very active. Watermelons lead shipments, with volume increasing. Corn, tomatoes, potatoes, green peppers, cucumbers, celery, and eggplant good supply. Supplies other crops seasonally light.

GEORGIA: Variable cloudiness and scattered showers first part of week gave way to widespread sunshine and warmer temperatures Thursday through Sunday. Showers heavier and more frequent in southeast with light to very light amounts most western counties. Cool to mild for 6th straight week. Averages ranged from 5° to 8° below normal, but returned to near normal by weekend. Soil moisture mostly adequate north, adequate to short south, some surplus near coast. Crop development slowed by cool temperatures, some improvement by end of period. Cotton conditions fair to good, but less favorable than last week. Seedling diseases continue to reduce stands on light soils. Squaring and blooming ahead of last year, but behind normal. Tobacco good, sucker control active, harvest increasing. Peanut condition good, insect and disease control measures active. Corn prospects good. Soybean plantings 60% completed, sorghums 45%. Peach harvest beginning mid-State area, still light. Hay harvest active. Pasture and cattle good. Snap beans, cabbage movement continued, but slowed. Tomatoes increasing. Vine crops need warmer weather.

HAWAII: Dry, warm weather prevailed all areas. Favorable for crop growth and maturity. Soil moisture continued adequate. Sugarcane harvesting on schedule. Pineapple harvesting up seasonally. Supplies papayas and watermelons up, but bananas light. Vegetables adequate supply. Cattle and pastures continued fair to good condition.

IDAHO: Record high temperatures southwest Idaho and near record elsewhere brought average for week 5° to 10° above normal. Isolated showers brought mostly less than normal precipitation generally. Hot weather enabled crops to almost catch up to normal. Haying starting southern areas. Dry land crop areas suffering from lack of rain. Cultivation sugar beets, corn, and

potatoes active. Cry beans about 2/3 planted. Cultivation, irrigation, weed control, and fertilization main farm activities.

ILLINOIS: Warm and dry but isolated showers early and late. Above normal temperatures ranged from low 40's to middle 90's. Soil moisture depleted further by low humidity and high evaporation rate. Corn planting nearly complete, year ago complete, 1970, 90%. Soybean planting 90% complete, same year ago, 1970 55%. Wheat nearly all headed, same last 2 years, 80% filled, 25% turned yellow. Oats 1/3 headed, slightly ahead 1971--slightly over 10% filled. Alfalfa hay 35% 1st cutting. Red clover hay 25% cut. Some germination problems soybeans, soils dry.

INDIANA: Warm and rather dry. Scattered showers early and late in period. Damaging in Attica-Odell area with up to 5.00 inches reported. Temperatures ranged from high 30's to low 90's. Solar heat, humidity, and wind accelerated soil moisture loss. Five days suitable fieldwork. Topsoil moisture short to mostly adequate, subsoil moisture adequate. Moisture deficiencies northwest and southwest. Fieldwork 5 days behind normal. Corn 90% planted, 75% average, 95% last year. Corn 70% emerged, stands good. Corn height 4 inches. Soybeans 60% planted, 40% average. Soybeans 35% emerged, stands good and averaging 2 inches high. Wheat 90% headed, 5% ripening. Oats 10% headed. Alfalfa hay 30% cut 1st time. Clover hay 15% cut. Pastures fair to mostly good.

IOWA: Near seasonal temperatures and generally subnormal precipitation. Frost in lowlands 31st with minima to 33° at Grinnell. Moderate to heavy showers at weekend in north-central and some central counties. Fieldwork made good progress. Crops good to excellent condition. Over 85% corn emerged; planting virtually complete. Soybean planting over 85% complete; about the same as 5-year average, but behind last year's 92%. About 50% soybeans emerged. Weed control for both corn and soybeans fair to good. Alfalfa hay harvest about 10% complete. Nearly 5 days suitable fieldwork. Subsoil moisture mostly adequate with few reports surplus; topsoil mostly adequate with scattered reports surplus and some reports shortages northern, central and east-central counties.

KANSAS: Week of wet weather ended May 29, very dry thereafter. Weekly mean temperatures averaged 2° above normal northwest, 2° below seasonal southeast, near normal elsewhere. Cool early in period with maxima warming to 80's and 90's after midweek. Minima 40's and 50's early in week becoming 60's and 70's after June 3. Farming, combining started southern counties last week, but wheat harvest still few days away. Small grains filling well, but some light hail and wind damage scattered localities. Additional freeze damage showed up wheatfields central and southern counties. Wheat 99% headed by June 3, 97% last year, and 10-year average 98%. Wheat 36% turning color, 21% year earlier and 34% average. Virtually no wheat ripe, 3% average. Row crop planting made considerable progress despite wet fields early week. Corn 91% planted, 93% last year and 90% average. Sorghum planting 38% in, 48% last year and average. Greenbug infestation extensive newly-seeded sorghum fields with some spraying. Soybean acreage 40% planted, 42% last year and 51% average. First cutting alfalfa 58% complete, 66% year earlier. Pasture and range feed conditions excellent. Good feeder cattle demand prevailed.

KENTUCKY: General rains on 29th and 30th after about 2 weeks of dry weather. Mostly sunny balance of week with some shower activity end of period. Temperatures seasonable, then below to much below normal mid-period with low humidities, becoming warm and humid end of period. Rainfall totals ranging from about 0.10 inch to 2.00 inches. Early morning readings in 40's 1st and 2d. Afternoon temperatures in 80's to low 90's on 3d and 4th. Days favorable fieldwork 4.5. Soil moisture 14% short, 82% adequate, and 4% surplus. Burley tobacco setting active, well ahead last year at 50% complete, but behind other recent years. Ample plant supply most areas. Dark type tobacco 60% set, last year 40%, and 59% in 1970. Early set tobacco generally good condition. Corn mostly planted. Germination and stands generally good; cutworms troublesome some areas. Limited replanting necessary. Soybeans about 1/2 planted, comparable progress last 2 years. Wheat 60% turning yellow. Barley harvest underway. Pastures good to excellent.

LOUISIANA: Mild to warm days, cool nights, low humidity, and abundant sunshine. Temperatures averaged 3° to 6° below normal. Extremes: 93° Tuesday and Sunday and 45° Thursday. Precipitation light for 3d week with most places receiving none. Heaviest showers parts of southwest and central. Greatest 1-day total, 1.90 inches at Bunkie measured Tuesday morning. Weather favorable for fieldwork. Cultivation cotton and corn active. Lay-by sugarcane continued. Planting all crops except soybeans, sorghum, and sweet potatoes virtually complete. Soybeans 75% planted, same as year ago, sorghum 75% versus 80% last year, and sweet potatoes 75% versus 60% year ago. Soil moisture short statewide and some growers waiting for more moisture before planting. Stands row crops generally good and although dry weather slowing growth it has caused little damage to date. Harvest wheat and oats over 3/4 complete. Haying active, growth for 2d cutting slow. Pastures average and livestock mostly good condition.

MARYLAND AND DELAWARE: Temperatures averaged slightly below normal. Extremes upper 70's to upper 80's, upper 30's to upper 40's. Rainfall on the 30th, 1st and 4th variable, however, many 1.00 to 2.00 inch totals reported in all areas except Garrett County and New Castle County. May 1972 monthly temperatures averaged from 0.5° to 2.0° below normal, rainfall near normal to 200% of normal with many 5.00 to 6.00 inch totals. Good progress during week. Corn planting 80% done, 99% last year and 92% average. Soybeans 20% seeded, normally 45%. Barley turning color all areas, combining to start about June 10. Tobacco setting about 1 week behind schedule. Vegetable progress irregular. Strawberry picking past peak southern shore, active this week most other areas.

MICHIGAN: Significant precipitation early north, scattered light showers after midweek south, near seasonal temperatures. Temperature averages normal to 3° below normal Upper Peninsula, 3° below normal north-central to 2° above normal Thumb area. Precipitation totals 1.00 inch to 1.65 inches Upper Peninsula, 0.10 to 0.25 inch central, 0.50 to 1.00 inch north and south portions Lower Peninsula. Fieldwork slowed by rains south-central and southeast; but good progress elsewhere. State averaged 4.8 days suitable for fieldwork. Soil moisture adequate Upper Peninsula and south-central and southeast Lower Peninsula, short elsewhere. Dry soils delayed dry bean planting. Corn

92%, potatoes 82%, soybeans 60% and dry beans 8% planted. Last year 75% soybeans and 20% dry beans planted. Harvest hay started southern counties. Alfalfa and wheat making good growth. Heavy infestation alfalfa weevil many fields and cereal leaf beetle in oats. Dry soils limiting pasture growth. Set of apples and tart cherries average to heavy. Vegetables developing well. Dry weather slowed strawberry development.

MINNESOTA: Temperatures near normal in south to 6° above normal in north. 4th consecutive week in north temperatures have averaged 10° above normal. Extremes 92°, 26°. Precipitation generally 0.50 inch south of a line from Morris through Hibbing. Generally 1.00 inch or more southwest of Minnesota River from South Dakota border to Waseca and along north shore of Lake Superior. Dry conditions still exist between Hibbing and International Falls. Flow ice still remains in southwest tip of Lake Superior. Topsoil moisture surplus west-central and central districts, adequate elsewhere. Rains slowed fieldwork. Planting remains behind normal west-central. Alfalfa yield prospects excellent, however, cutting just beginning. Corn 14% cultivated, mostly southern districts. Percent planted; Corn 80, normal 96; soybeans 67, normal 86; spring wheat 83, normal 91; oats 83, normal 96; barley 75, normal 92; flax 50, normal 85. Percent small grains headed; Rye 40, normal 28; winter wheat 17, normal 9.

MISSISSIPPI: Mostly sunny and fair except 1 or 2 days of scattered showers with amounts up to 1.00 inch north of a line from Port Gibson to Columbus; south of that line there were few measurable amounts. Temperatures averaged below normal except Upper Delta division was 1° above normal. Extremes: 94°, 43°. The weekend was sunny and dry. Soil moisture adequate northern 1/3 and short southern 2/3. Average 5.6 days suitable for fieldwork. Oats 36%, wheat 33%, hay 28%, Irish potatoes 22% harvested. Soybeans 66%, corn 93%, sorghum 72%, sweetpotatoes 64% planted. Three % cotton acreage squaring.

MISSOURI: Record cold covered the State early this week. Cole Camp in the west-central Plains reported a low of 35° on June 1. Rapid warming brought above-normal readings by the end of the week. Temperatures averaged near normal west to 2° below normal east. Rainfall was very light and spotty. The lack of rain, particularly in eastern Ozarks, becoming serious. Statewide average 5 days suitable fieldwork. Crops planted; corn 94%, soybeans 70%, grain sorghum 72%. Wheat 47% turning color. First cutting alfalfa 74% harvested. Wheat condition generally good. Soil moisture mostly adequate.

MONTANA: Warm dry week as temperatures averaged 5° to 11° above normal. Warmest early in week followed by slight cooling. Only scattered light showers. Topsoil moisture generally short western 1/3, adequate elsewhere. Spring wheat, barley, and oats nearly seeded, about week behind normal. Potatoes 60% planted and dry bean plantings 85% complete. Corn acreage 75% in. Winter wheat growth and condition fair to good; 5% excellent condition, 55% good, 30% fair and 10% poor. Spring grains mostly good condition. Sugar beets good to excellent condition and are 15% thinned. Range feed supply short to adequate. Eighty five percent range livestock moved to summer ranges.

NEBRASKA: Cool early in week and very warm latter half. Scattered light showers, with some locally moderate amounts western 1/3 State. Much progress made row crop planting. Percent acreage planted; corn 93%, sorghum 64%, soybeans 55%. Comparison normally planted; corn 96%, sorghum 76%, soybeans 70%. Hoeing and cultivation corn underway. Few reports greenbugs on sorghum. Condition winter wheat mostly good to excellent. Good progress sugar beet thinning. Dry bean planting just getting started. First crop alfalfa being cut for hay. Livestock conditions good with good supplies pasture and range feed.

NEVADA: Very warm week with some moisture. Temperatures averaged 6° to 10° above normal all divisions. Light to moderate precipitation all divisions from trace at Battle Mountain to 0.44 inch at Ely and Las Vegas. Planting spring crops complete, except some high elevation valleys. Cotton being cultivated Pahrump Valley. Fall-planted crops generally good condition. Cutting 2d crop alfalfa hay started southern Nevada. Alfalfa hay reported only fair to good condition. Livestock generally good condition with calving and lambing nearly completed. Ranges dry and need moisture.

NEW ENGLAND: Week warm and stormy. Temperatures averaged mostly 1° to 4° above normal in coastal areas and 3° to 9° above normal inland. Nights mild all week but some days cool at midweek. Locally very heavy rains, some with heavy thunderstorms, May 31, June 1, 2, 4 and 5. Local windstorm damage extensive in Lakeport, N. H., area May 31. More than 3.00 inches rain at Middletown, Conn., and at Rockland, Me., on June 1. Prolonged attack in eastern Massachusetts by severe thunderstorms and almost cloudburst rains afternoon of June 4 and early on 5th, with up to 4.00-inch totals. Local hail up to 3/4 size in Worcester, Mass., area. Many cellars and low spots extensively flooded. Some families evacuated from homes. Many motorists halted by high water and by near zero visibility in heavy rain. Total rain in week mostly 1.50 to 6.00 inches. Planting all crops active with some delays caused by rains later part week. Potato planting about 75% complete Aroostook County, Maine. About 2/3 Maine oat crop in ground. Corn for silage planting resumed on well drained soils. Hay making slow progress. First cutting about 10 to 14 days late. Some haylage being cut. Apples past bloom most areas, set good. Strawberries still in bloom. Harvest 2 weeks late. Setting outdoor and shade tobacco active. Vegetable planting continues active with early plantings making good progress.

NEW JERSEY: Temperatures averaged near normal with readings ranging from low 40's to upper 80's. North Jersey was extremely wet averaging 3.50 inches rainfall, while the remainder of the State averaged 0.80 inch. Soil moisture varies from excessive northern areas to short southwestern counties. Development most crops 1 to 2 weeks behind normal. Asparagus harvest continues lighter than normal. Lettuce, escarole, and endive supplies increasing. Light cabbage harvest begun. Strawberry movement light but increasing. Where soil conditions permit, field corn and soybean planting active. Hay and grass silage being made. Alfalfa weevil damage reported. Barley coloring.

NEW MEXICO: Showers most frequent early in week and scattered on weekend mainly in northwest. Totals mostly 0.50 to 1.00 inch in northern mountains and locally in South. Temperatures

averaged below normal in central and south and slightly above normal in north. Warming with warmest days Friday and Saturday. Soil moisture generally short. Combining wheat started occasional fields eastside. Irrigated wheat good. Dryland poor. Irrigated sorghum up to stand, good. Dry land fair. Barley harvest underway. Cotton growth hampered, cool nights. Cutting lettuce continues Hatch area. Shipping onions underway Mesilla Valley. Ranges poor generally. Heavy supplemental feeding continues.

NEW YORK: Warm early half, unseasonably cool June 1st with variable temperatures on weekend. Maximums ranged from low to mid-80's on 29th and 3d down to 55° to 60° Thursday. Minimums 45° to 50° on 2d, otherwise nights mild. Wide ranging showers and thundershowers on 30th to 31st yielded 2.50 to 4.50 inches southeast Upstate and mostly 1.00 to 2.00 inches elsewhere. Additional showers on 3d and 4th averaged 0.50 inch except near 0.10 inch along Great Lakes. Rain held back fieldwork. Corn planting continues while early-planted fields up and growing well. Some oats still going in. Dry bean planting just beginning. Hay and pastures growing well. Wheat growing well and looks good most areas. Rainy weather improved vegetable crop conditions, but in few areas excessive water caused some damage. On Elba muck severe hail, rain and flooding May 30 hurt onions. Surplus rain Orange County muck resulting in some damage to onions, lettuce, and celery seedbeds. Sweet corn planting past halfway point. Some water damage Ulster County. Potatoes growing well Long Island while Upstate planting continued at rapid rate until rain came. Fruit good condition. Sweet cherry crop affected by blossom end rot. Fruit set appears good and sizing underway Hudson Valley.

NORTH CAROLINA: Temperatures below normal all week. Highest near 80°, lowest in 40's most areas. Continued cloudy and damp through May becoming fair and less humid early June. Precipitation variable 0.25 to 4.00 inches, averaging 1.00 inch Coastal Plain and 0.50 inch elsewhere. Soil moisture decreased, now adequate to surplus. Farm activities gained momentum at weekend, averaged 3 days suitable for fieldwork. Main activities planting peanuts, soybeans, corn, and sorghum, transplanting burley tobacco and sweet potatoes, cultivating crops, and cutting hay. Cabbage cutting at peak Elizabeth City area. Warm weather cleared tobacco blue mold most areas. Small grains drying out; some lodging. Cotton uncertain, deterioration stopped. Truck crops good, peaches fair, few harvested. Active June 12. Pastures excellent. Corn, cotton, peanuts, and flue-cured tobacco planting near completion.

NORTH DAKOTA: Sunny week. A few scattered showers. Precipitation totals none to 0.50 inch. Cool first of week; then warm. Temperatures averaged 3° to 5° above normal except normal southeast. Extremes: 32° at Wishek, 95° at Flasher. Warm temperatures and little precipitation enabled farmers to make good progress seeding. Some lowlands and potholes still too wet to seed. Most emerged crops look good and growth excellent. Spring broadleaf weeds underway. Harvesting 1st cutting alfalfa started southern counties.

OHIO: Minimum temperatures ranged from upper 30's to upper 60's. Morning of 1st was coolest with Wilmington, Clinton County, recording a low of 39°. Dayton's 42° tied the record low set

in 1889. For State, the lows ranged from 39° to 50°, on 1st. Maximum temperatures ranged from lower 50's to upper 80's. The 31st was coolest with maximum temperatures between 50° at Dayton and 70° at Lima, 90° at Lunken Airport at Cincinnati. 4th was warmest day in Ohio. Ohio received some much needed rain this week. On 30th, Wilmington had 1.66 inches of rain and Celina had 1.55 inches. On 2d Salem, Columbiana County had pea-size hail while Warren had hail 1 3/4 inches in diameter. Rain limited fieldwork to 4 days. Much needed moisture beneficial to emergence spring crops and improved rapidly depleting soil moisture supplies. Moisture supply 22% surplus, 74% adequate, and 4% short. Corn planting 95% complete, last year virtually all planted, 90% is average progress. Soybean planting 65% finished, 80% last year, and 60% average. Tobacco 30% planted, average for the date. Wheat crop 80% headed, barley 90% headed. Alfalfa hay 25% and clover-timothy 15% cut

OKLAHOMA: Rainfall varied from none Panhandle and north-central to 0.60 inch southeast. Temperatures averaged near normal Panhandle and 2° to 6° below normal elsewhere. Wheat harvest progressing rapidly, nearing completion southwest, underway other areas, except most northern counties where harvest expected to start end this week. Green sucker heads delaying progress some localities. Protein and test weight early-harvested grain very favorable. At close of week, wheat 15%, oats 20%, barley 16% harvested. Row crop planting progressing rapidly due favorable weather and soil moisture condition. Corn essentially planted. Cotton nearly 3/4 planted, sharply ahead year earlier when only 1/3 in ground. Planting progress other row crops about same year earlier. Peanuts 1/2, sorghum grain 1/2 and soybeans 3/5 planted. Surface moisture 1/2 short, balance adequate. Subsoil 2/5 short, 3/5 adequate. Native grasses furnishing fair to good grazing. Livestock making steady gains. Second cutting alfalfa improved over 1st cutting.

OREGON: Warm sunny weather intensified with warmest days midweek. Temperatures averaged mostly 3° to 7° above normal with 10° to 13° above normal eastern 1/3. Minima 31° to 52° maxima 63° to 78° on coast, 84° to 97° elsewhere. Local showers late week provided few traces and totals 0.05 to 0.27 inch north-central and north-east. Warmer weather brought crop development along rapidly. Fall-seeded barley beginning to turn color some localities. Early cherries starting to ripen. Strawberries ripening fast as harvest approaches. Leaf lettuce harvest underway. Haying continues over State. Some early cranberry bogs in bloom. Market lambs being sold, cattle contracting increasing.

PENNSYLVANIA: Wet week. Showers and thunderstorms with cold front Tuesday and Wednesday deposited over 2.00 inches many areas. Lighter, more scattered showers Thursday. Generally fair end of week until heavy thunderstorms Sunday afternoon and evening ahead of new frontal system. Hail scattered areas, up to 1/2 inch diameter. Weekly rainfall over 3.00 inches north-east, under 1.00 inch extreme south and part of northwest, to 3.00 inches elsewhere. Temperatures averaged 1° to 2° above normal southeast and west, 2° to 4° below normal north-central, near normal elsewhere. Topsoil moisture 2/3 adequate, 1/3 surplus. Potato planting winding up, corn 4/5 completed. Barley mostly headed -- turning color, some lodging. Wheat 1/2 headed. Alfalfa weevil damage prevalent. Haying slowed by rains. Tomato transplanting started. Early

green peas in bloom, limited picking strawberries started. Asparagus cutting active.

PUERTO RICO: Rainfall averaged 0.66 inch or 1.17 inches below normal. A dry area of little or no rain continued affecting south-central and north-eastern coastal zones. Highest weekly total 2.78 inches in western Cordilleras. Agricultural drought continued developing sections north-central eastern and southern coastal zones where crop moisture too low and yields reduced. Temperatures averaged 80° on coast and 75° to 76° interior divisions with mean departure of about 0.5° below normal and a slight cooling trend from previous week. Highest maximum 95°, lowest minimum 59°. Sugarcane harvesting now in final stage with excellent progress under favorable weather. Yellow aphids still active some southern zones. Planting, cultivating, and fertilizing progressing well northwest following significant rainfall. Coffee plantations report dry conditions central, interior retarding bean development. Other western zones rainfall permitted planting to resume. Tobacco zones good progress harvesting and drying 1st crop, but planting 2d crop still delayed. Pastures generally poor to fair. Some improvement northwest with planting and cultivating underway. Minor food crop yields seriously reduced by drought some zones, with planting delays also reported. Mango crop west significantly reduced, but good yields plantains and pumpkins western-interior.

SOUTH CAROLINA: A cyclone to south of State brought heavy rains to Coastal Plain. Between 3.00 and 4.00 inches fell in Charleston-Beaufort area. Most of Piedmont had less than 0.50 inch. Temperatures averaged 6° below normal. A cold front passed on 31st and dropped temperatures considerably. Walhalla had 39° on June 1, a June record for that station. Week ended warm and dry. Rain, cool temperatures continued to plague crops. Weeds, insect infestation problem. Tobacco fair to good condition. Corn good to excellent. Cotton poor condition result cool temperatures, wet, weeds and insects. Hay crops, pastures good. Wheat and oats fair to good. Wheat harvest 4% complete, unchanged by last week's corrective figures, oats 10%, barley 13% compared with 22%, 34%, and 39% respectively last year. Grain hay 65% harvested. Soybeans 52% planted. Sorghum 46% planted. Peaches fair to good, harvest started. Grapes good condition. Maturity vegetable crops slow. Snap beans, cucumbers, squash harvest winding up. Peanut planting 91% complete. Sweetpotato planting 57% done. Watermelons fair to good condition.

SOUTH DAKOTA: Temperatures averaged from near normal parts of southeast to 5° above normal portions of northwest. Extremes ranged from 37° at Eureka on 30th to 90° at 6 stations in north-east. Precipitation fell as scattered showers and thundershowers beginning and last part of week with a wide range in amounts. Totals ranged from none parts of southwest to about 2.50 inches portions of southeast. Pickstown reported 2.16 inches for 24-hour period ending morning of 5th. Fieldwork made good progress many areas. Some areas continued to be slowed by rains and persistent wet low spots. Seeding small grains not yet complete northeast. Row crop planting well underway, but considerably behind normal. Corn 66%, flaxseed 60%, soybeans 46% and sorghum 30% planted; compared to normal of nearly 100% corn and flaxseed, 85% soybeans, and 65% sorghum. First cultivation corn just beginning. Spring-seeded grains starting to boot. Winter grains heading with rye 70% and wheat 30% headed, approximately

equal to normal. Crops making mostly good to rapid growth. Alfalfa 1st cutting beginning. Weeds problem most areas. Pasture growth good to excellent. Livestock condition good. Flies and mosquitoes becoming problem.

TENNESSEE: Warm beginning of week, cooling during week, warmer weekend. Temperatures averaged 4° to 10° below normal with greatest departures extreme southeast. Precipitation fell as scattered showers and thundershowers early in week with amounts ranging from none portions of north-central to over 1.00 inch parts of east. Farmers able to work in fields 4.7 days and made excellent progress with spring planting. Corn and soybean planting and tobacco transplanting increased. Hay harvesting was also major farm activity. All crops and pastures in good condition.

TEXAS: Widely scattered showers were confined to coastal sections and the extreme southern and southwestern portions of State. Not so warm as previous week. Harvest wheat, oats continues northward movement. First wheat cut northern High Plains. Planting cotton, corn, sorghum nearing completion. First sorghum harvest Lower Rio Grande Valley. Sorghum heading upper Blacklands. Cotton making good to excellent progress, fruiting well. Insect infestation problem southern half. Percent planted major crops; cotton 88, 76 last year; corn 99, 99 last year; soybeans 48, 49 last year; peanuts 39, 40 last year; sorghum 81, 84 last year. Percent harvested; wheat 25, 14 last year; oats 62, 39 last year. In Lower Rio Grande Valley, vegetable harvest nearing completion. Moderate supplies honeydew melons, light supplies tomatoes, watermelons, cantaloupe, other vegetables. Laredo melons, cantaloupe making good progress. Coastal Bend watermelon harvest reached peak. Sweet corn, cucumber harvest continues. Winter Garden watermelon harvest underway. Onion harvest continues. Early fields cantaloupe, honeydew melons, cucumbers being picked. San Antonio carrots, cabbage, sweet corn, onions being harvested. Central and east Texas watermelons quickly approaching maturity. High Plains onions, potatoes, carrots making good progress. Trans-Pecos onions, cantaloupes continue make good progress. Early varieties peaches being harvested throughout State.

UTAH: Few widely scattered afternoon and evening showers and thunderstorms west portion. Accumulated amounts of moisture generally light to moderate, not enough to appreciably affect drought conditions which remain critical southern ranges and crop lands. Soil moisture very short to short all counties. Range feed poor to fair. Average temperatures ranged from 2° to 8° above normal. Soil temperatures, at 4-inch depth, ranged from upper 60's Cache Valley to low 70's Salt Lake City and Richfield, up to mid-80's St. George. Accumulated growing degree days, since March 1, continues to range between 200 and 500 degree days above normal. Potatoes nearly all planted. About 1/2 sugar beet acreage thinned as of June 5. First cutting alfalfa hay 10% completed. First crop low yield and poor in quality most areas. Winter wheat condition poor to fair, deteriorating daily. About 70% acreage jointed, less than 50% headed out. Spring grains behind usual development with less than third acreage jointed.

VIRGINIA: Temperatures normal to above normal near beginning otherwise below normal. Showers and thundershowers at mid-week totaled from none to near 3.00 inches. Haying and planting in high gear as fields dried. Topsoil moisture 1/3 surplus and 2/3 adequate. Corn planting largely

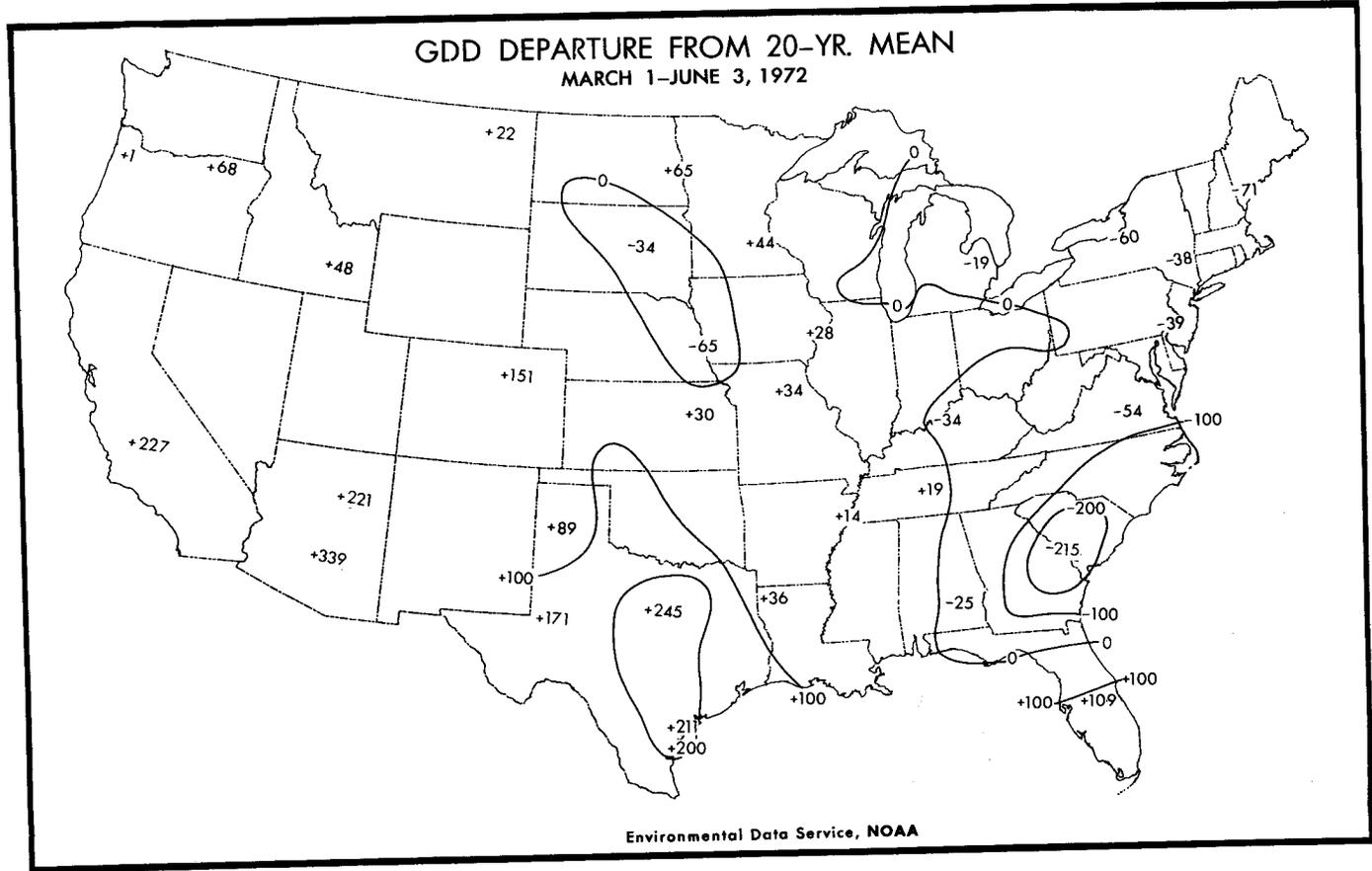
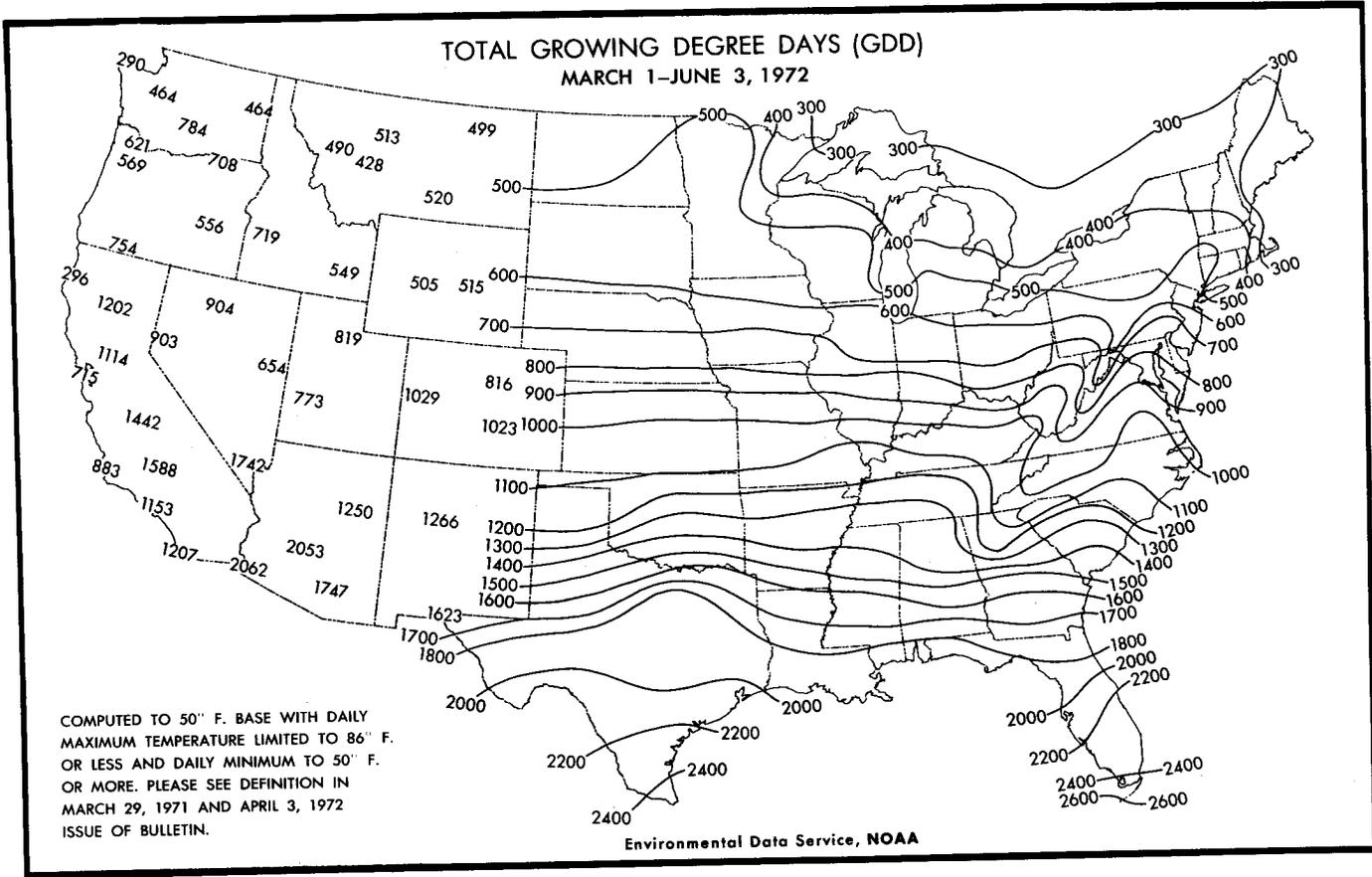
completed. Soybeans 1/3 planted, usually over 1/2. Peanuts 80% planted. Set burley tobacco southwest. Finished most other. Cultivated flue-cured. Hay yields very good. Orchard grass mature. Planted sorghum. Set sweetpotatoes. Cultivated Irish potatoes. Pastures excellent.

WASHINGTON: Western Washington: Fieldwork, crop development, and plant growth continued excellent under warm dry weather conditions. Planting both sweet and silage corn nearing completion and green pea planting continuing. Berries looking good although winter freeze damage evident in both raspberries and blueberries. With prospects of good curing weather, some farmers cutting hay. Green chopping grass and silage continued active. Eastern Washington: Warm, clear, dry weather ideal for crop growth. Many growers took advantage of weather to cut alfalfa. Asparagus harvest continuing, but warm weather beginning to reduce quality. Grain crops showing good progress with 60% to 80% wheat and barley headed out. Cultivation summer fallow for weed control continuing dryland areas. Pastures show good growth and grazing stock good condition. Fruit orchards received cover sprays and chemical thinning sprays. Flooding Okanogan River Valleys chased many from their homes and disrupted road access to others.

WEST VIRGINIA: Scattered showers May 30 and 31 ended dry spell and gave about 0.50 inch totals but higher in mountains. Cooler weather followed. Severe electrical storms evening June 4 produced local flooding some areas. Almost 4 1/2 days favorable for fieldwork gave farmers opportunity to plant corn and harvest hay. Over 80% corn planted, 17% first cutting hay in. Soil moisture adequate, except scattered localities. Tobacco setting active. Most crops continue fair to good condition.

WISCONSIN: Temperatures averaged near normal. Cool early week. Warm end of period. Record highs for date in low 90's Saturday in south. Light frost north Wednesday morning. Rainfall mostly light except locally heavy some eastern counties. Most showers Monday and over weekend. Farmers starting to cut hay. Yields good north, though only light south and east where winterkill was extensive. Quality generally excellent. Corn planting completed, except for few fields for silage. Most corn up and looks very good. Oat fields showing extensive Atrazine damage. Some fields plowed under. Vegetable crops generally good though some early peas hurt by hot dry weather late May. Tobacco transplanting to get underway this week. Soybeans still going in. Pastures improved, but still need additional moisture most areas. Soil moisture 50% adequate, and 50% short.

WYOMING: Scattered light to moderate showers statewide; Alva reported most moisture with 1.18 inch. Some hail damage in north Cheyenne area. Temperatures averaged near to a little above normal. Maxima were mostly 70's to low 80's west of Divide and upper Platte Drainage, 80's to low 90's elsewhere. Minima were mostly 22° to 36° west of Divide, 30's to low 40's east. Temperature extremes 92° at Glenrock and 20° at Foxpark. Planting row crops nearly complete, all corn and soybeans, 2/3 dry beans in. Most sugar beets emerged, about 10% thinned. About 55% corn emerged. Prospects for small grains, hay, pasture, and ranges good to excellent. Stock-water supplies adequate.





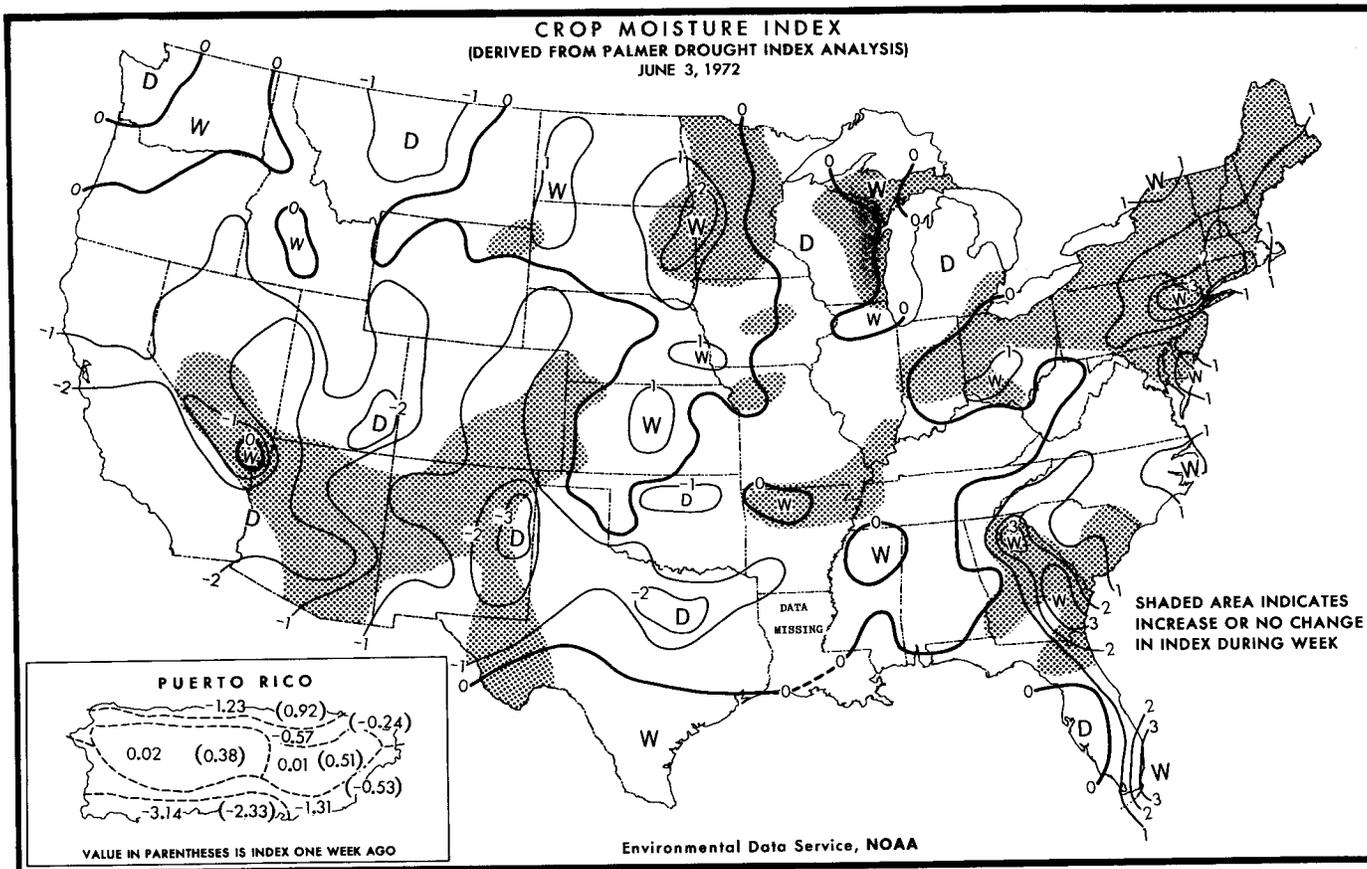
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Questions and comments are invited; please send to Editor in Agricultural Climatology Service Office, address above.

CROP MOISTURE INDEX
 (DERIVED FROM PALMER DROUGHT INDEX ANALYSIS)
 JUNE 3, 1972



INDEX DECREASED DURING WEEK
 (Unshaded Areas)

INDEX INCREASED OR DID NOT CHANGE DURING WEEK
 (Shaded areas)

INDEX

- ABOVE 3.0 SOME DRYING, BUT STILL EXCESSIVELY WET.
- 2.0 to 3.0 MORE DRY WEATHER NEEDED, WORK DELAYED.
- 1.0 to 2.0 FAVORABLE, EXCEPT STILL TOO WET IN SPOTS.
- 0 to 1.0 FAVORABLE FOR 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 EXCEPTIONALLY DRY, MOST CROPS ABOUT RUINED

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 ABOVE NORMAL, 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.
- 3.0 to -4.0 DROUGHT CONTINUES, RAIN URGENTLY NEEDED.
- BELOW -4.0 NOT ENOUGH RAIN, STILL EXCEPTIONALLY DRY.