

WEEKLY WEATHER AND CROP BULLETIN

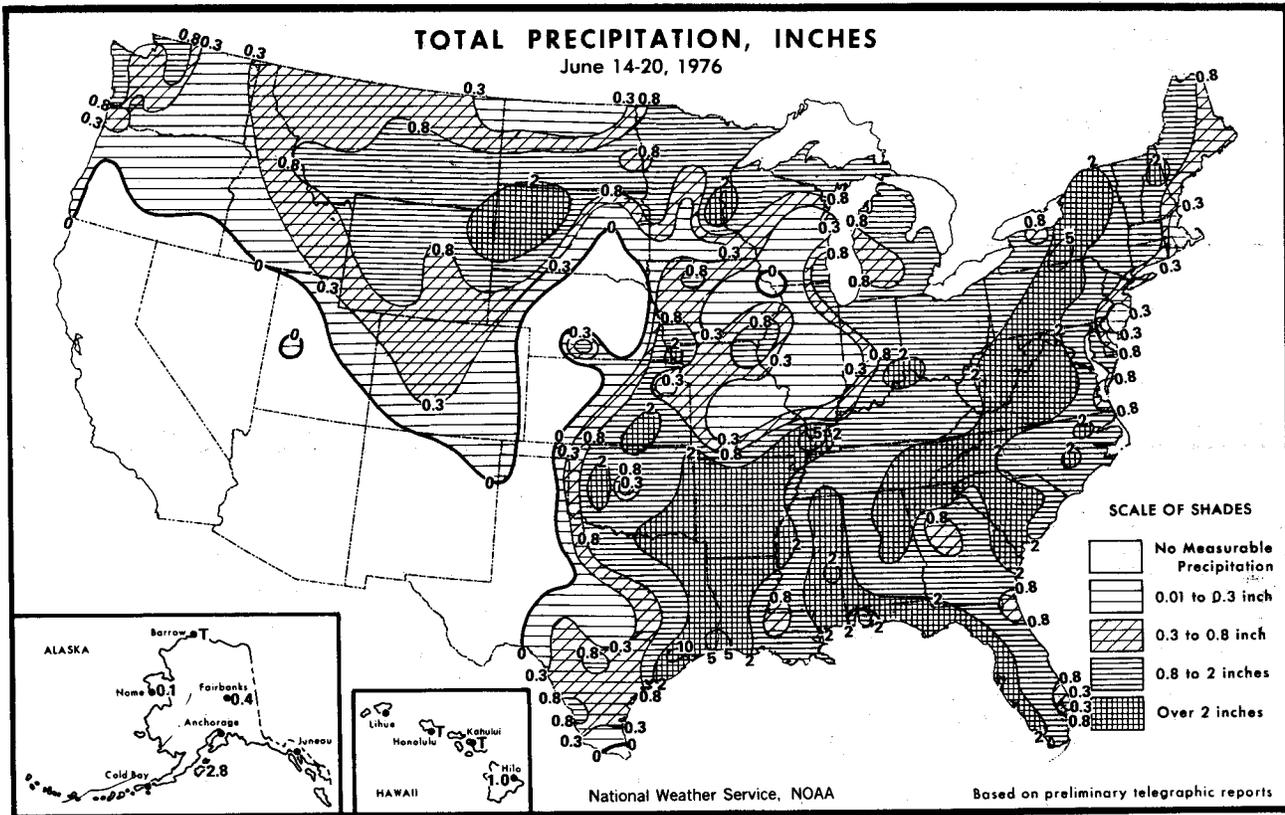
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National Weather Summary

For the week of June 14 - 20

HIGHLIGHTS: Paced by a gigantic high pressure system and slow moving cold front, temperature and precipitation patterns changed slowly across the eastern portion of the Nation during the week. Associated with the eastward bound front, heaviest rainfall focused on central U.S. and extended along the Appalachians. Skies cleared and temperatures slipped under the high pressure that encompassed northern portions of the Rockies, Plains, and Midwest and reached into the Central Plains

Southern Iowa was the main target of Monday morning's rash of thunderstorms and heavy rains, created by a stationary frontal system that also brought scattered showers and some thundershowers to Tennessee northward through the Appalachians and into Maine.

Noontime thunderstorms intensified in portions of Kansas and Iowa. For the sixth consecutive day, the frontal system plus low pressure center, sand-

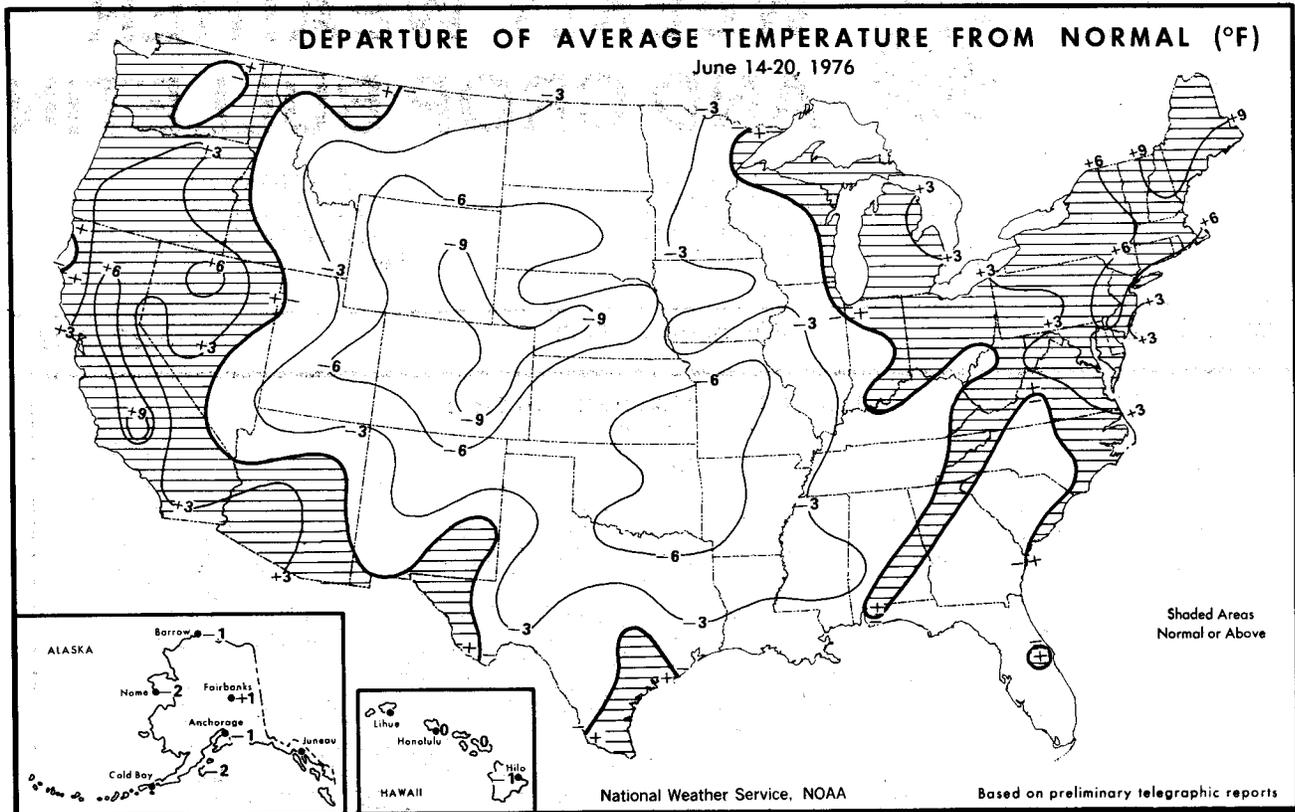
wiched between two large high pressure centers, generated more severe weather across the Midwest.

Isolated downpours pushed rivers and streams over their banks in parts of South Dakota. Minnesota claimed over half of the 15 tornadoes spawned by thunderstorms throughout the area. Aided by gusty winds and damaging hail, the worst outbreak injured six and caused extensive property damage.

Meantime a blast of hot air accelerated temperatures in California; Palm Springs sweltered under 102° and Redbluff, 100°.

Skies cleared and cold air descended upon the Colorado Rockies on Tuesday. The outcome: record breaking lows that included Alamosa, 27° and Pueblo, 41°.

Meanwhile mild temperatures preceeded a cold front in Ohio and the middle Mississippi Valleys and eastern Great Lakes region where afternoon highs climbed into the upper 80's. As the day progressed, however, temperatures dipped as much as 20° lower



from the central Plains through the upper Great Lakes region and middle Mississippi Valley as the cold front trudged slowly eastward. Showers and thundershowers occurred along and ahead of the cold front as it meandered across portions of Oklahoma and Arkansas through Missouri and Illinois. Thunderstorms in advance of the front caused flash floods in isolated areas of Texas. In downtown Houston over 7 inches of rain fell during the afternoon. Other showers and thundershowers wandered through southern New England and upper New York and along the Coast from South Carolina through Florida. Elsewhere a frontal system in the Northwest initiated a return of wet weather along the Washington Coast.

Extending from northern New England into southern Texas the cold front produced an abundance of midweek precipitation across the Nation. Thunderstorms drummed along the system from the coastal bend of Texas into the central Mississippi Valley and northern New England. Forecasters traced another area of showers from southern Florida into southwest Virginia.

Along coastal California the return of mild weather took the edge off the hot blast that smothered the area earlier in the week.

Meantime unseasonably cool air cut its way into central U.S., producing record lows as far south as Midland, Tex. 53°.

In the late evening hours gusty winds accompanied a weak cold front that inched across the northern Rockies, lowering temperatures through Montana and Wyoming into the upper 40's and lower 50's.

Thursday's widely scattered precipitation was confined mostly to southeast and north central U.S. Ahead of an eastward-bound cold front in the Midwest, lines of thunderstorms sprang up across the

Plains of Oklahoma and Kansas into Missouri, Iowa, and Minnesota.

As a large high pressure system funneled colder air across the area, the mercury slipped lower over the northern Rockies, across the northern Plains into the upper Mississippi Valley and into the central Plains.

On Friday the cold front gained a foothold on the Nation's midsection, leaving behind unseasonably cool air across northern portions of the Rockies and Plains and a number of record lows in South Dakota (Huron 37°), Nebraska, and Iowa. Once again the slow moving system gave rise to thundershowers from portions of Texas into Oklahoma and Arkansas, east into Georgia, and north into the lower Great Lakes region.

Centered over northeast Colorado, Saturday's high pressure system expanded, clearing skies from the north central States to the interior of the West. The morning mercury slipped into the 30's and 40's, reaching record low levels in Denver, Colo. 37° and Topeka, Kans. 47°. In the afternoon, however, temperatures in the central Plains warmed well into the 70's.

As another in a series of cold fronts advanced through the northern Rockies, scattered showers and a few thunderstorms turned up in sections of Idaho, Montana, and Nevada.

Sunday's weather wrap-up showed little change in weekly weather patterns. Sheltered by the gigantic high pressure, daily record lows included Springfield, Mo. 46° and Indianapolis, Ind. 50°. Thanks to the slow moving cold front showers and thundershowers--locally heavy in places--persisted from the eastern Great Lakes region across the Appalachians into the southern Atlantic and eastern Gulf States. In the Northeast precipitation intensified into the nighttime hours.

National Agricultural Summary

For the week of June 14-20

HIGHLIGHTS: Soil moisture supplies remained short in most of the North Central States, even though some rain fell throughout most of the area. Corn and soybeans were in good condition, but in some States the crops need rain very soon. Condition of the cotton crop improved but only from poor to fair. Winter wheat harvest, slowed by rains, moved northward into Kansas, Missouri, and Indiana. Pastures were in good condition, except in the North Central States and California.

SMALL GRAINS: The U. S. winter wheat crop was 16% harvested, compared with 14% last year and 21% average. Rains in both 1975 and 1976 held progress well below average, especially in the southern Great Plains.

In Texas wheat harvest progressed rapidly to 47% complete, behind last year's 54% and 60% average. In Oklahoma wheat combining was nearly complete in the southwest but had not begun in the Panhandle or the northeast. Oklahoma's harvesting progress stood at 42% complete, 37% in 1975 and 67% average. Rains in Kansas delayed wheat harvest, which stood at only 5% complete, half the average. Last year no wheat in Kansas had been harvested by this time. About 15% of the crop was ripe compared with 25% last year and 30% average; 90% was turning color compared with 80% last year and 85% average. Some hail damaged wheat in southeastern and west central Kansas. Nebraska's winter wheat was in fair condition; 50% of its crop was turning color, about the same as normal but twice last year's rate. The Ohio winter wheat crop advanced to 75% yellow, ahead of 50% in 1975 and average. In Illinois 95% of the crop turned yellow, compared with 89% in 1975 and 93% average. About 65% of the Illinois crop was ripe, ahead of 45% in 1975 and 48% average. Figures from Indiana showed 20% of the winter wheat crop ripe and 5% combined, compared with none harvested in 1975 and average.

CORN: Throughout the Nation, corn was in good condition, but in some States, notably South Dakota and Nebraska, the crop needs rain very soon. Topsoil moisture shortages occurred in most of the North Central States. Corn height lagged last year's growth but surpassed the average. Average height of corn stalks ranged from 9 inches in Michigan to 22 inches in Illinois. Last year's average growth measured 10 to 26 inches throughout the North Central States, where average growth for the time in the growing season is normally 8 to 16 inches. In Iowa corn growth made good progress and the crop was in good to excellent condition. Corn grew well in dry areas. Hail, high winds, and heavy rain eroded soil and severely damaged plants, but most corn should recover.

COTTON: U. S. cotton improved but remained in mostly fair condition; crop development lagged both last year and average. Farmers in parts of Oklahoma replanted a large share of the cotton acreage. Statewide, 95% of the crop was in the ground, compared with 84% both a year ago and average. The crop was in fair to good condition with 65% up to a stand. In Texas, cotton planting reached 97% complete, the same as last

year and 2 points ahead of average. Nonirrigated stands on the Plains need rain, but most other fields looked good and made excellent progress. A few stands began to bloom. Squaring ranged from 6 to 8% in Alabama, Mississippi, and Louisiana where squaring was 12 to 26% last year and 25 to 28% normally. In Georgia squaring reached 38% complete, behind last year's 52%.

SOYBEANS: Planting of U. S. soybeans neared completion as farmers replanted some abandoned cotton fields and also planted soybeans following small grain harvest. Condition of the Nation's soybeans was good. Soybeans in Illinois, for instance, were in good condition. Iowa's soybean crop was in good condition statewide, but hail damage in the southwest forced farmers to replant many fields. The Arkansas soybean crop was 87% planted, outpacing 81% last year and 68% average.

OTHER CROPS: Sorghum planting was complete in Nebraska. Over 90% of the crop was seeded in all other States, except Kansas, where 85% of the crop was in the ground. Seeding remained well ahead of last year and average. In Texas, sorghum planting was almost finished; harvesting began in southern areas and stands in central and eastern areas were headed out.

Haying was active in all areas of the Nation. The first cuttings in Michigan and Wisconsin stood at over half complete. In southern areas first cuttings were nearly finished and second cuttings had begun. Generally, quality was good but short soil moisture in the North Central States cut yields. Some areas need rain to produce regrowth.

FRUITS AND NUTS: Peach harvest advanced to 14% harvested in North Carolina, 26% in South Carolina, and 53% in Georgia. Harvest in the South Atlantic States surpassed both last year and average. Peach harvest was also active in Texas, Arkansas, and California. Other California fruit moving to market included grapes, nectarines, plums, lemons, and valencia oranges. Florida citrus groves were in excellent condition and showing an abundant new growth in response to adequate soil moisture.

VEGETABLES: Strawberry picking advanced into New England, Michigan, Wisconsin, Oregon, and Washington. In Texas harvests of okra, sweet corn, melons, tomatoes, cucumbers, potatoes, squash, cabbage, and onions were active throughout the State's vegetable areas. In California harvesting activity increased for broccoli and cauliflower but declined for carrots and onions. Florida's overall vegetable and watermelon shipments declined 5%, but watermelons showed a sharp increase.

PASTURES AND LIVESTOCK: Pastures were poor in many North Central States and California; elsewhere grasslands were in good condition. In South Dakota cattlemen sold livestock from poor pastures. California's producers thinned herds by moving the animals into feedlots. Because stock water and wells in lower foothills were running dry, cattle were moved to irrigated and mountain pastures. Livestock condition was poor in California.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., June 20, 1976

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	77	- 1	1.8	+ .9	La. Baton Rouge . . .	79	- 2	.8	0	Youngstown . . .	70	+ 2	1.5	+ .7
Mobile . . .	81	0	2.0	+ .6	Lake Charles . . .	79	- 2	4.2	+3.0	OKLA. Okla. City . . .	72	- 5	.1	- .9
Montgomery . . .	80	+ 1	.9	0	New Orleans . . .	80	- 1	1.6	+ .5	Tulsa . . .	72	- 6	1.0	- .1
ALASKA Anchorage . . .	54	- 1	T	- .3	Shreveport . . .	77	- 4	2.5	+1.7	OREG. Astoria . . .	59	+ 2	.8	+ .2
Barrow . . .	33	- 1	T	- .1	MAINE Caribou . . .	71	+11	.7	- .1	Burns . . .	61	+ 2	1.1	- .1
Fairbanks . . .	61	+ 1	.4	0	Portland . . .	70	+ 7	.7	0	Medford . . .	68	+ 4	T	- .2
Juneau . . .	-	-	-	-	MD. Baltimore . . .	78	+ 5	.9	0	Pendleton . . .	69	+ 3	1.1	- .1
Kodiak . . .	48	- 2	2.8	+1.8	MASS. Boston . . .	77	+ 8	T	- .8	Portland . . .	64	+ 2	.4	0
Nome . . .	44	- 2	.1	- .1	Chatham . . .	63	-	2.2	-	Salem . . .	61	0	1.1	- .2
ARIZ. Flagstaff . . .	60	+ 1	T	- .1	MICH. Alpena . . .	65	+ 3	1.1	+ .4	PA. Allentown . . .	76	+ 6	1.7	+ .9
Phoenix . . .	90	+ 5	0	0	Detroit . . .	71	+ 2	1.4	+ .6	Erie . . .	69	+ 4	1.4	+ .6
Tucson . . .	84	+ 1	0	0	Flint . . .	70	+ 3	1.0	+ .2	Harrisburg . . .	76	+ 3	.9	+ .2
Winslow . . .	72	0	0	- .1	Grand Rapids . . .	69	+ 1	.4	- .4	Philadelphia . . .	79	+ 6	2	- .7
Yuma . . .	90	+ 4	0	0	Houghton Lake . . .	65	+ 2	.9	+ .1	Pittsburgh . . .	69	0	1.4	+ .6
ARK. Fort Smith . . .	71	- 8	2.4	+1.5	Lansing . . .	69	+ 1	.5	- .3	Scranton . . .	74	+ 6	1.3	+ .5
Little Rock . . .	75	- 4	2.7	+1.9	Marquette . . .	64	+ 3	.8	0	R. I. Providence . . .	73	+ 6	1.1	- .5
CALIF. Bakersfield . . .	87	+10	0	- 1	Muskegon . . .	66	0	.6	0	S. C. Charleston . . .	79	+ 1	1.3	- .2
Eureka . . .	53	- 2	T	- 1	S. Ste. Marie . . .	59	0	1.3	+ .5	Columbia . . .	76	- 3	4.4	+3.5
Fresno . . .	79	+ 5	0	0	MINN. Duluth . . .	60	0	1.9	+ .8	Greenville . . .	74	- 2	1.6	+ .6
Los Angeles . . .	71	+ 3	0	0	Internatl Falls . . .	58	- 3	1.2	+ .3	S. D. Aberdeen . . .	61	- 5	3	- .6
Red Bluff . . .	82	+ 6	0	- 1	Minneapolis . . .	67	- 1	2.4	+1.4	Huron . . .	62	- 6	T	- .9
San Diego . . .	69	+ 3	0	0	Rochester . . .	65	- 2	.2	- .9	Rapid City . . .	57	- 8	3.7	+2.8
San Francisco . . .	65	+ 3	0	0	St. Cloud . . .	63	- 2	.2	- .9	Sioux Falls . . .	65	- 3	T	-1.1
Stockton . . .	77	+ 5	0	0	MISS. Jackson . . .	77	- 3	.8	0	TENN. Chattanooga . . .	75	- 2	3.0	+2.1
COLO. Denver . . .	59	- 7	.3	- .1	Meridian . . .	75	- 5	1.9	+1.0	Knoxville . . .	76	0	2.2	+1.4
Grand Junction . . .	65	- 7	T	- .1	MO. Columbia . . .	68	- 6	1	-1.0	Memphis . . .	77	- 2	1.7	+ .9
Pueblo . . .	60	-11	.3	0	Kansas City . . .	68	- 6	.3	-1.0	Nashville . . .	75	- 2	.7	- .1
CONN. Bridgeport . . .	72	+ 4	.4	- 2	St. Louis . . .	72	- 4	T	-1.1	TEX. Abilene . . .	77	- 4	T	- .6
Hartford . . .	76	+ 8	1.2	+ .4	Springfield . . .	68	- 6	T	-1.1	Amarillo . . .	71	- 4	T	- .8
D. C. Washington . . .	80	+ 5	1.0	+ .2	MONT. Billings . . .	57	- 6	1.0	+ .4	Austin . . .	82	0	T	-1.0
FLA. Apalachicola . . .	77	- 3	3.7	+2.4	Glasgow . . .	59	- 3	.5	- .2	Beaumont . . .	80	- 1	2.1	+1.7
Daytona Beach . . .	79	- 1	.9	- .8	Great Falls . . .	62	+ 1	.7	- .1	Brownsville . . .	83	0	0	- .7
Ft. Myers . . .	79	- 2	2.5	+ .3	Havre . . .	61	- 1	.7	+ .1	Corpus Christi . . .	83	0	.5	- .1
Jacksonville . . .	79	- 1	.4	-1.1	Helena . . .	55	- 4	.6	0	Dallas . . .	-	-	-	-
Key West . . .	83	- 1	T	-1.1	Kalispell . . .	57	- 0	.4	- .2	Del Rio . . .	83	- 2	T	- .5
Lakeland . . .	80	- 1	1.6	0	Miles City . . .	61	- 4	1.3	+ .5	El Paso . . .	81	0	0	- 1
Miami . . .	80	- 1	1.2	-1.0	Missoula . . .	57	- 2	.7	+ .2	Fort Worth . . .	77	- 4	1.1	+ .4
Orlando . . .	81	+ 1	2.0	+ .2	NEBR. Grand Island . . .	66	- 5	0	-1.1	Galveston . . .	81	- 1	2.1	+1.1
Tallahassee . . .	78	- 2	3.3	+1.7	Lincoln . . .	67	- 6	T	-1.2	Houston . . .	80	- 1	1.3	+ .2
Tampa . . .	80	- 1	4.9	+3.3	Norfolk . . .	65	- 6	T	-1.2	Lubbock . . .	75	- 3	T	- .6
W. Palm Beach . . .	79	- 2	.2	-1.8	N. Platte . . .	60	- 9	1	- .8	Midland . . .	76	- 4	T	- .3
GA. Atlanta . . .	76	0	.4	- .5	Omaha . . .	69	- 2	.7	- .5	San Angelo . . .	80	- 2	T	- .4
Augusta . . .	77	- 2	2.0	+1.1	Valentine . . .	64	- 3	1	- .8	San Antonio . . .	82	- 1	1.1	+ .4
Macon . . .	78	- 2	.5	- .4	NEV. Ely . . .	57	- 1	0	- .2	Victoria . . .	83	+ 1	.4	- .4
Savannah . . .	80	+ 1	3.3	+1.9	Las Vegas . . .	81	- 2	0	0	Waco . . .	80	- 2	3	- .3
HAWAII. Hilo . . .	74	- 1	1.0	- .5	Reno . . .	64	+ 2	0	- .1	Wichita Falls . . .	75	- 7	1.6	+ .8
Honolulu . . .	79	0	T	- .1	Winnemucca . . .	68	+ 6	T	- .2	UTAH. Blanding . . .	62	- 4	0	- .1
Kahului . . .	77	0	T	0	N. H. Concord . . .	74	+ 9	.4	- .4	Salt Lake City . . .	64	- 2	T	- .3
Lihue . . .	-	-	-	-	N. J. Atlantic City . . .	73	+ 2	1	- .7	VT. Burlington . . .	74	+ 8	1.2	+ .4
IDAHO. Boise . . .	65	0	T	- .3	Trenton . . .	76	+ 4	.7	0	VA. Lynchburg . . .	73	0	3.9	+3.1
Lewiston . . .	66	+ 1	.2	- .2	N. MEX. Albuquerque . . .	72	- 3	0	- .1	Norfolk . . .	79	+ 4	.6	- .2
Pocatello . . .	59	- 3	.5	+ .2	Roswell . . .	79	+ 1	0	- .3	Richmond . . .	78	+ 3	2.1	+1.3
ILL. Cairo . . .	74	- 4	6.4	+5.4	N. Y. Albany . . .	73	+ 5	1.9	+1.2	Roanoke . . .	71	- 1	3.2	+2.4
Chicago . . .	72	+ 1	1.0	+ .1	Binghamton . . .	69	+ 4	1.2	+ .4	WASH. Colville . . .	61	0	2.2	- .2
Moline . . .	68	- 4	.4	- .7	Buffalo . . .	71	+ 5	1.2	+ .7	Omak . . .	63	- 1	1.6	- .2
Peoria . . .	70	- 2	.1	- .8	New York . . .	76	+ 4	.7	0	Quillayute . . .	56	+ 1	1.6	+ .8
Rockford . . .	68	- 2	T	-1.1	Rochester . . .	73	+ 5	.3	- .3	Seattle-Tacoma . . .	63	+ 3	.4	0
Springfield . . .	70	- 4	T	-1.0	Syracuse . . .	71	+ 3	4.3	+3.5	Spokane . . .	63	+ 1	1	- .2
IND. Evansville . . .	75	0	.4	- .4	N. C. Asheville . . .	71	0	2.9	+2.0	Walla Walla . . .	68	+ 1	.1	- .2
Ft. Wayne . . .	72	+ 2	1.9	+1.0	Charlotte . . .	74	- 2	.9	0	Yakima . . .	64	- 1	1	- .1
Indianapolis . . .	72	0	.3	- .7	Greensboro . . .	74	- 1	1.2	+ .3	W. Va. Beckley . . .	69	+ 1	1.2	+ .2
South Bend . . .	70	+ 1	1.6	+ .7	Hatteras . . .	76	+ 1	1.4	+ .2	Charleston . . .	75	+ 2	2.0	+1.2
IOWA. Burlington . . .	67	- 5	1.0	- .1	Raleigh . . .	77	+ 2	1.1	+ .2	Huntington . . .	74	+ 1	1.5	+1.7
Des Moines . . .	68	- 3	.2	-1.0	Wilmington . . .	78	0	.9	- .4	Parkersburg . . .	72	- 1	1.6	+ .7
Dubuque . . .	66	- 2	T	-1.3	N. DAK. Bismarck . . .	60	- 4	.9	0	WIS. Green Bay . . .	66	+ 1	.2	- .6
Stoux City . . .	65	- 6	T	-1.1	Fargo . . .	60	- 5	.8	0	La Crosse . . .	66	- 3	.4	- .7
KANS. Concordia . . .	70	- 3	T	-1.2	Williston . . .	60	- 3	1	- .7	Madison . . .	66	0	1	-1.0
Dodge City . . .	70	- 4	T	- .8	OHIO. Akron-Canton . . .	70	+ 1	1.7	+ .9	Milwaukee . . .	67	+ 2	1.8	+1.0
Goodland . . .	65	- 5	T	- .7	Cincinnati . . .	74	+ 1	2.3	+1.4	WYO. Casper . . .	53	- 9	.4	+ .1
Topeka . . .	69	- 5	.3	-1.1	Cleveland . . .	70	+ 1	1.0	+ .2	Cheyenne . . .	53	- 9	.4	- .2
Wichita . . .	69	- 7	2.0	+ .9	Columbus . . .	72	+ 1	1.7	+ .7	Lander . . .	54	- 7	1.2	+ .7
KY. Lexington . . .	72	- 2	1.2	+ .2	Dayton . . .	72	0	1.5	+ .6	Sheridan . . .	55	- 6	1.8	+1.1
Louisville . . .	75	+ 1	1.8	+ .9	Toledo . . .	71	+ 1	1.4	+ .6	P. R. San Juan . . .	82	+ 1	.4	- .9

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State Summaries of Weather and Agriculture

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

ALABAMA: Dry but turned wet over weekend. Temperatures 1° below normal. Rain and cool weather result of cold front on 19th. Fieldwork: 5.0 days suitable. Soil moisture adequate after weekend rains. Cotton poor to fair condition, 6% squaring, 26% 1975, 28% average. Corn 25% tasseled, 20% 1975, 21% average, condition good. Soybeans, good condition, 86% planted, 91% 1975, 86% average. Peanuts good condition, 12% pegging, 22% 1975. Hay harvest in full swing as weather permits. Pastures remain good.

ALASKA: Tanana Valley was sunny and warm with some showers near end of week. Temperatures above normal. Precipitation quite variable throughout valley. Matanuska Valley warm dry throughout week. Precipitation light and scattered. Temperatures above normal. Kenai Peninsula rainfall below normal. Skies partly cloudy and temperatures near normal. Kodiak mild wet through week. Precipitation much above normal as temperatures remained near seasonal normal.

Crop growth generally moderate throughout Railbelt. Ground moisture supply adequate but top soil moisture short in Tanana Valley. First cutting of hay began. Grain up to 8 in. in height.

ARIZONA: Dry, gusty winds depleting soil moisture. Temperatures rose steadily reaching 5 to 8° above normal.

Fertilization, cultivation, weed control, irrigation main cotton activities. Late cotton being planted, earlier cotton setting bolls. Harvest wheat, barley full swing, good yields. Established grain sorghum fields being irrigated. Sugarbeet harvest nearing completion, yields good. Harvest alfalfa hay normal progress. Cantaloup harvest full swing. Watermelon harvest continued. Potato, dry onion harvest active. Harvest valencia oranges, grapefruit continued. Early grape harvest active. Ranges generally good, excellent higher locations, mostly poor desert. Stock water supplies adequate higher ranges, short desert. Cattle, calves good.

ARKANSAS: Temperatures below normal. Extremes: 95 and 45°. Rainfall ranged from 7.67 in. to 0.66 in.

Soybean planting 87% complete, 81% last year, 68% average. Cotton crop improving but growth still slow. Condition fair to poor. Some replanting to soybeans. Rice condition mostly good, a few fair. Color improving. Wheat 87% harvested, 77% last year, 78% average. Oats 87% combined, 72% last year, 81% average. Good yields for both. Peach and tomato harvests continue. Rain slowed haying.

CALIFORNIA: Temperatures above normal. Strong and gusty drying north wind beginning of week following cold front. Freezing temperatures extreme northeast early week. Spotty light showers extreme north otherwise no rain. Temperatures of 100° and slightly higher north coast valleys, central valley and lower deserts. Elsewhere highest temperatures mostly 90's but a few 100° or higher central coast valleys.

Small grain harvest active. Corn, grain sorghum, rice and cotton doing well; being treated for insects and weeds. Alfalfa hay cutting

continues. Sugarbeets harvested in Imperial Valley; doing well elsewhere. Peaches, nectarines undersized, good quality San Joaquin Valley. Avocados good sets San Joaquin Valley. Heavier than usual picking lemons, good quality. Good quality, color, texture valencia oranges. Vegetable growth good. Harvesting activity picking up. Few insect problems. Broccoli, cauliflower, and strawberry harvesting active. Desert carrot and onion harvests near completion. Range, pasture conditions poor, feed scarce. Stock water low, wells in lower foothills drying. Cattle to irrigated pastures, mountain pastures. Thinning continues, feedlot inventories increasing.

COLORADO: Cold and windy east; north and mountains cold, snowfall 14th. Wind gusts up to 89 m.p.h. 14th. Snow and rain 16th and 17th, lower elevations and eastern plains. Clear 19th and warm 20th. Temperatures generally below normal; 5 to 8° southeast, 2 to 8° west, 3 to 7° north, 3° south. Only east above normal by 2°.

Wheat condition fair, 41% turned color. Sugarbeets 67% thinned, 73% 1975, 66% average. Sorghum 94% seeded, 71% 1975, 84% average; emerged 80%, 46% 1975, 65% average. Dry beans 92% planted, 82% 1975, 86% average; emerged 64%, 45% 1975, 52% average. Potatoes emerged, summer 100%, fall 68%. Alfalfa first cut 44%. Soil moisture short. Ranges and pastures poor southeast, fair to good elsewhere.

FLORIDA: Partly cloudy with scattered thunder-showers becoming more numerous towards week's end. Rainfall averaged generally 1.00 to 2.00 in., but several locations exceeded 2.00 in. Temperatures little below normal.

Soil moisture short Panhandle and north, adequate other areas. Soybean planting continues. Corn, peanuts and cotton mostly good condition. Tobacco harvest full swing. Peach harvest complete. Sugarcane rapid growth. Forage conditions good. Some pastures excessively wet. Ranchers continue to apply fertilizer, establish new pastures. Cattle, calves fair to good condition. Citrus grove condition excellent, moisture adequate, new growth abundant. New crop progressing well. Valencia harvest starting to slow. Harvest spring vegetables continuing seasonal decline. Season nearly over most crops. Overall vegetable and watermelon shipments decreased 5%; however, watermelons showed sharp increase. Eggplant shipments held steady. Shipments decreased all other vegetables. Remaining production coming from north and north central.

GEORGIA: Temperatures near normal most areas to 2° below normal southeast. Averages mostly upper 70's, low 70's mountains. Rainfall none to less than 0.25 in. west half, 1.00 to 2.00 in. east border, 3.00 to 4.00 in. in southeast. Weekend rain locally heavy, especially north.

Soil moisture short to mostly adequate. Fieldwork: 5.0 days suitable. Dry weather affecting crops south. Corn condition fair to mostly good. Cotton fair to good, 38% squaring, 52% year ago. Peanuts good, 55% blooming, 67% blooming year ago. Soybeans good condition, 84% planted, 89% year ago, 83% average. Tobacco fair, 16% harvested compared last year 9% and

11% average. Watermelons mostly fair to good, 7% harvested compared to 1% year ago. Peach condition good, harvesting 53% complete, 44% year ago, 34% average. Wheat 84% harvested, 87% last year, 81% average. Oats 86% harvested, 87% year ago, 81% average. Pastures, cattle and hogs good.

HAWAII: Weather favorable. Showers light and scattered mostly windward sections.

Irrigation heavier in some dry areas. Spraying for insect and disease frequent. Melon production affected by diseases. Yields below normal. Vegetable supplies adequate, moderate to heavy production will continue. Banana supplies light. Papayas active on Hawaii and Kauai. Pineapple harvesting active. Sugar steady. Pastures, moisture needed lee areas.

IDAHO: Temperatures below normal. Precipitation sparse. Rain north 1.66 in., Upper Snake 0.50 in. or better.

Cool weather, rains aid crops eastern areas, most canals repaired, irrigation resumed, clean up continues. Crops elsewhere slow in progress. Spring wheat 41% boot, 15% 1975. Potato crop 82% emerged, 66% 1975. Range and pastures excellent condition. Cattle loss east unknown. Cattle in excellent shape elsewhere.

ILLINOIS: Temperatures 1° above normal to 5° below normal. Precipitation only trace many areas, more south, localized flooding Cairo.

Corn good condition; average height 22 in., 26 in. 1975, 16 in. average. Most advanced height 35 in., 39 in. 1975, 27 in. average. Soybeans good condition. Winter wheat fair to good; 95% turning yellow, 89% 1975, 93% average; 65% ripe, 45% 1975, 48% average. Oats mostly fair to good; 93% headed, 84% 1975, 77% average; 55% filled, 46% 1975, 44% average. Hay crops mostly fair to good; alfalfa 93% cut, 83% 1975, 66% average; red clover 86% cut, 79% 1975, 60% average. Pastures mostly fair to good. Soil moisture short. Fieldwork: 6.0 days suitable.

INDIANA: Showers and normal temperatures favored agriculture. Rainfall averaged 1.00 to 1.50 in. in east and southeast, 2.00 in. west central, about 1.00 in. north central and less than 1.00 in. southwest. June rainfall so far, less than 1.00 in. from Vincennes to Indianapolis.

Fieldwork: 5.0 days suitable. Topsoil and subsoil moisture short to adequate. Wheat 5% combined, 1975 0%, average 0%. Wheat 80% beginning to ripen, 20% ripe. Wheat condition fair. Barley 35% combined. Oats 90% headed, 1975 75%. Corn 17 in. high, 1975 same, average 11 in. Soybeans 5 in. high, 1975 7 in., average 4 in. Tobacco 90% set, 1975 same. Alfalfa hay 90% cut first time, 1975 75% cut. Clover hay 70% cut, 1975 55% cut. Pastures poor to mostly fair.

IOWA: Temperatures 3 to 5° below normal and precipitation well below normal.

Good crop development; crops still ahead of normal. Spotty rains over dry northwest, west central, but moisture still short. Fieldwork: 4.5 days suitable. Corn averaged 18 in. tall, tallest fields just over 24 in. Corn condition mostly good to excellent, weed control good. Corn doing well in dry areas. Hail damage severe southwest. Hail accompanied by high winds, heavy rain caused soil erosion. Most corn should recover. Some corn being replanted to beans due to tornado in central area. Soybeans not progressing as rapidly as corn. Stands spotty,

growth slow. Soybean stands good condition, weed control good. Soybeans suffered more from hail than corn, considerable replanting southwest. Oats good condition, maturing rapidly; 94% headed, 51% last year, 62% average. Oats heading short northwest, west central. First cutting alfalfa 94% harvested, 64% last year, 66% average. Hay quality good, yields low. Regrowth good. First cutting red clover 53% harvested, 29% last year, 22% average. Topsoil moisture adequate. Subsoil moisture adequate. Short in northwest, west central. Livestock good. Pastures short, growth slow in dry areas.

KANSAS: Thunderstorms over east 14th and 17th produced rains up to 3.00 in. with average amounts 1.00 in. over southeast. Western third and portions of central reported little or no precipitation. Temperatures 68 to 72°; 2 to 5° below normal.

Rain delayed wheat harvest. Full-swing harvest to begin southern, some central districts this week. Wheat 90% turning, 80% last year, 85% average; 15% ripe, 25% last year, 30% average; 5% harvest, none last year, 10% average. Sorghum 85% planted, 70% last year, 75% average. Soybeans 75% planted, 65% last year, 75% average. Alfalfa first cutting complete, 90% last year, 95% average. Second cutting 15% complete, 10% last year, 15% average. Spraying to halt weeds western wheat fields. Cephalosporium stripe, "take-all" root rot in wheat. Streak mosaic in wheat central area. Some hail damage to wheat southeastern, west central areas. Pastures western two-thirds need rain.

KENTUCKY: Temperatures near normal. Precipitation 1.75 in. with showers and thundershowers at middle and end of week. Locally heavier amounts to near 4.00 in. occurred.

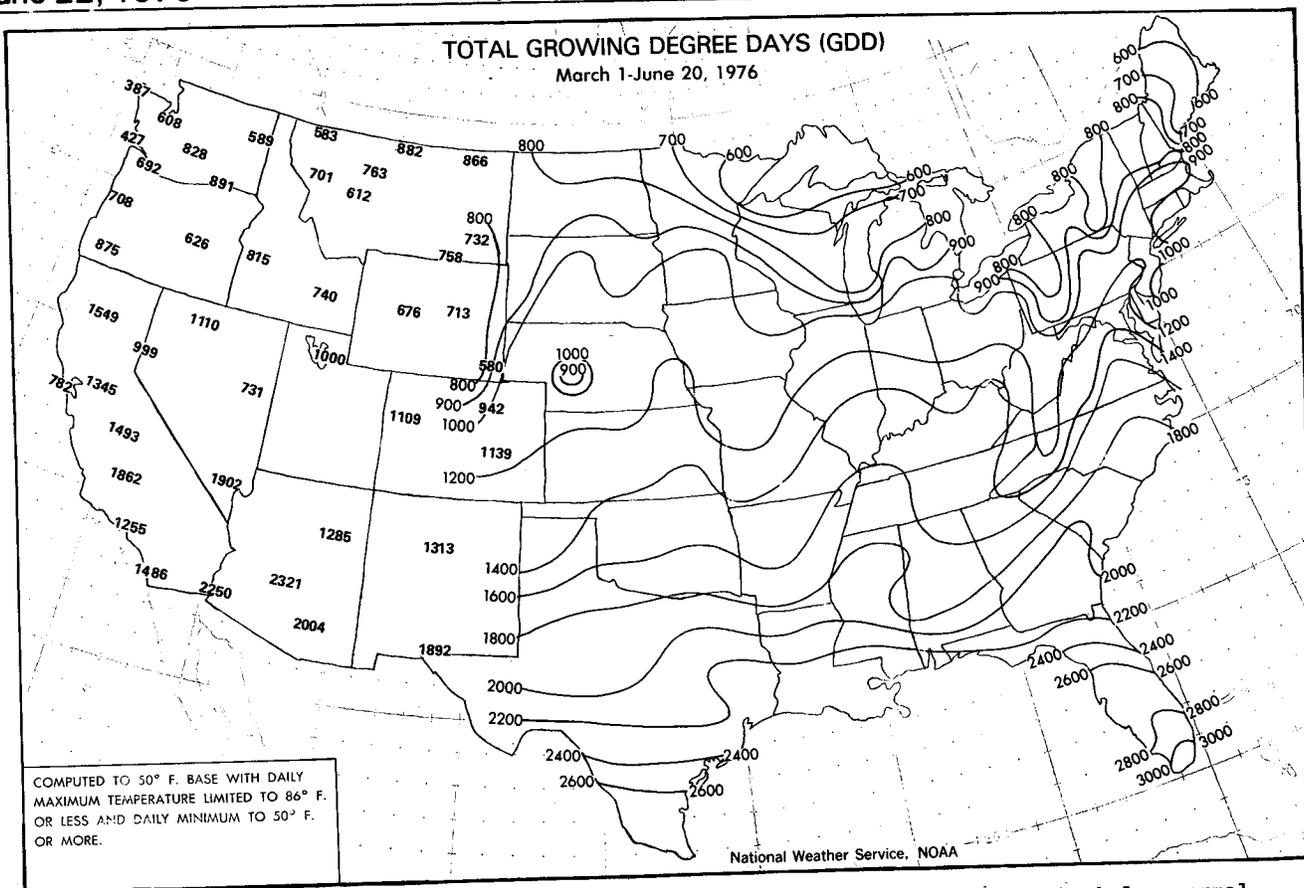
Fieldwork: 5.0 days suitable. Extensive showers slowed activities weekend. Farmers setting and cultivating tobacco, planting soybeans, plowing corn, making hay, clipping pastures, and harvesting small grains. Soybeans 69% planted, 78% last year, 71% average. Height of emerged beans 7 in., last year 7 in., average 5 in. Corn growing rapidly; height 22 in., last year 24 in., average 19 in. Corn condition 95% of normal, soybeans 90%. Wheat 20% harvested, 27% last year, 14% average. Tobacco excellent condition and growing rapidly; 55% over 6 in. high, 10% over 12 in. high, last year 33% over 6 in., average 28% over 6 in. high.

LOUISIANA: Temperatures near normal southeast, 2° subnormal northwest. Extremes: 94 and 56°. Rain general 16th and 17th.

Soil moisture adequate. Fieldwork: 3.8 days suitable. Cotton 8% squaring; making good growth; some stands thin. Rice 5% headed. Soybeans 92% planted, 65% last year, 82% average; 86% up to stand. Corn good; 59% silking. Sugarcane good. Sweetpotato transplanting 86% complete, 81% last year. Wheat, oats harvest 98% complete. Pastures, cattle good.

MARYLAND & DELAWARE: Temperatures 1 to 4° above normal. Highs, mid 90's; lows, low 50's. Precipitation 0.16 to 1.23 in. Scattered thundershowers on weekend.

Corn planting nearly complete, few double-cropped fields to be planted. Good growth, better condition since rain. Soybeans 83% planted, equal to last year, ahead of 78% average. Small grain harvest underway. Barley 60% harvested. Wheat, oats, rye good condition. Much



good quality hay made. Second cutting alfalfa started. Vegetable crops good condition. Fruit orchards sprayed, thinned, and mowed. Early peach harvest to start soon.

MICHIGAN: Temperatures near normal to 3° above. Extremes: 90's and 40's. Precipitation ranged 0.40 in. to 1.80 in.

Showers and warm weather pushed crop growth. Insects multiplied rapidly causing damage to crops. Soil moisture short. Fieldwork: 6.0 days suitable. Corn height 9 in., equal to normal, 11 in. 1975. Wheat 85% headed 10% yellow, 1975 90% headed 8% yellow, normal 80% headed 6% yellow. Oats 20% headed, 12% 1975, 16% normally. Dry beans 75% planted, 55% 1975, 67% average. Soybeans 90% planted same as 1975 and normal. Potato planting near completion. Haying in full swing, 50% complete, 28% 1975 and normal. Pasture supplies average. Warm weather speeded sweet cherry and strawberry ripening. Apple crop normal, other fruit sets extremely light. Development of vegetables average. Asparagus picking 90% complete. Strawberries 33% complete.

MINNESOTA: Temperatures near normal central, east central and south central, 2 to 5° below normal elsewhere. Extremes: 95 and 35°. Precipitation: Much above normal portions of north and south central through east central. Continued much below normal most of west central, central and southwest. Average 1.00 to 2.00 in. most of north and east, less than 0.33 in. most of west central, central and southwest. Growing season precipitation departures from normal: 0.50 in. below extreme southeast, 1.50 in. below extreme north, 3.00 to 5.50 in. below elsewhere.

Rains beneficial to small grain development Red River Valley; not sufficient to aid west

central. Yields will still be below normal. Corn, soybeans good growth most southern areas. Average height: Corn 16 in., 1975 10 in., normal 11 in.; Soybeans 6 in., 1975 4 in., normal 5 in. Most corn cultivated once. Percent headed: Spring wheat 55%, 1975 3%, normal 15%; Oats 68%, 1975 16%, normal 20%; Barley 55%, 1975 0%, normal 16%; Winter wheat 99%, 1975 53%, normal 69%; Rye 97%, 1975 68%, normal 86%. Alfalfa hay 70% cut, 1975 41%, normal 55%.

MISSISSIPPI: Temperatures 1 to 3° below normal. Extremes: 95 and 60°.

Soil moisture adequate. Fieldwork: 3.8 days suitable. Cotton 8% squaring, 12% 1975, 25% average. Soybeans 90% planted, 66% 1975, 78% average; 78% up to stand, 52% 1975. Rice 96% up to stand. Corn 97% up to stand, 94% 1975; 18% silked. Winter wheat 84% harvested, 70% 1975, 76% average. Oats 85% harvested, 66% 1975, 77% average. Sorghums 83% planted, 72% 1975, 78% average. Sweetpotatoes 81% planted, 82% 1975, 77% average. Hay 34% harvested, 24% 1975, 33% average. Irish potatoes 62% harvested, 50% 1975, 56% average. Peaches 22% harvested, 18% 1975, 22% average. Cucumbers 24% harvested, 27% 1975. Cotton in poor to fair condition. Soybeans and corn in good condition. Other crops in fair to good condition.

MISSOURI: Temperatures 2° above normal east Ozarks, 3 to 4° below elsewhere. Precipitation 0.75 in. east Ozarks, 2.50 in. in the Bootheel, light elsewhere.

Fieldwork: 5.2 days suitable. Soybean planting 90% complete, 1975 88%, normal 81%. Sorghum planting 92% complete, 1975 90%, normal 84%. Wheat 99% turning color, 48% ripened. Wheat

22% harvested, 1975 29%, normal 20%. Wheat condition poor to good; half in fair condition. Corn condition fair to good. Cotton condition in the Bootheel is poor to fair. Condition of pastures fair to good. First cutting of hay 94% complete, 1975 92%, normal 90%. Second cutting of hay 11% complete, 1975 13%, normal 11%. Clover-timothy 52% harvested, 1975 52%, normal 45%.

MONTANA: Cool, warming by weekend. Temperatures 5° below normal south, near normal elsewhere. Showers and thunderstorms except brief dry period 18th and 19th. Heaviest showers fell first part of week over east with some totals between 2.00 and 3.00 in.

Rains improved crop condition. Soil moisture supply adequate. Winter wheat 60% headed, 35% in boot, 5% not in boot. Normally 30% headed, 50% in boot, 20% not in boot. Spring wheat and barley 10% headed, 45% in boot, 45% not in boot. Oats 20% headed, 40% in boot, 40% not in boot. Sugarbeets 75% thinned. Range feed supply adequate. First cutting alfalfa 5% complete.

NEBRASKA: Temperatures 3 to 9° below normal. Rainfall from thunderstorms over west and extreme southeast 0.50 to 1.50 in., elsewhere little or none.

Topsoil and subsoil moisture short. Winter wheat condition fair. Wheat 50% turned, 50% normal, last year 25%. Corn fair to good condition but needing moisture. Irrigation underway. Sorghum and soybean fair to good condition. Alfalfa and wild hay mostly fair to good condition. First cutting alfalfa 90% completed. Pasture and range feed supplies short and continue to deteriorate from lack of rain.

NEVADA: Temperatures near normal. Extremes: 104 and 18°. All areas dry. Precipitation limited to 0.05 in.

Haying under way in northern areas. Small grain harvesting in south. Livestock movement to summer ranges nearing completion. Ranges very dry with below average feed available.

NEW ENGLAND: Low temperatures 13th generally in 30's in the north and 40's in interior south. Rest of week above normal. Highs in 80's and low 90's. Lows in the 60's and low 70's. Rain 16th mostly in northern areas.

Maine potato planting near complete. Corn and other crops growing rapidly. Rain needed in most areas. Strawberry harvesting full swing. Cranberry bloom increasing rapidly. Haying full swing, first cutting 35% north, 70% south.

NEW JERSEY: Drought in the south and excessive rains in the north. Extremes: 55 and 93°. Rainfall averaged 2.93 in. north, 0.69 in. central and 0.78 in. south. Soil temperature averaged: 74° north, and 77° south in dry areas of South Jersey.

Scattered showers beneficial but good general rain needed. Early summer vegetables harvest continues. Harvest of sweet corn started under plastic beginning. Light picking of tomatoes begun. Strawberry harvest nearing completion. Blueberry supplies increasing. Dry weather slowing peach and apple sizing. Field corn planting complete. Some soybean planting following barley harvest. First cutting hay about 90% complete.

NEW MEXICO: Precipitation sparse. Generally 0.10 in. or less occurred over north central mountains and northeast Plains.

Topsoil and subsoil moisture short to very short. Cotton fair, 90% acceptable stands. Alfalfa good, first cutting nearly completed, second cutting about 25% complete southern areas. Winter wheat combining active east. Durum wheat combining underway. Irrigated grain sorghum good. Barley good; 10% harvested. Corn good. Apples fair to good. Onions, chili, Irish potatoes and peanuts fair. Ranges fair in most areas, poor in northwestern part. Livestock fair to good. Supplemental feeding and hauling of water to livestock continued.

NEW YORK: Temperatures in 80's, cooled slightly during weekend. Extremes: 92 and 41°. Precipitation at beginning and end with highest totals in central area. Extreme northern and southern areas generally under 1.00 in.

Fieldwork slowed. Corn planting nearly 90% complete. Corn shows improved growth and color. Wheat and early oats heading. Wheat good condition. Oat condition variable, but mostly good. Haying delayed by poor drying condition. First cutting alfalfa 35% complete, Clover-Timothy about 20%. Dry bean planting 90% complete. Long Island potatoes making good growth. Some fields irrigated. Weeding and thinning of lettuce, celery and onions continues. Lettuce harvest picking up with good quality crop in prospect. Early sweet corn tasseling. Apples sizing well; June drop normal. Some localized hail damage, not extensive. Grapes blooming, some wind damage in Finger Lakes vineyards. Pears developing but crop prospects poor. Strawberry harvest in full swing.

NORTH CAROLINA: Above normal rainfall. Somewhat below normal high temperatures.

Fieldwork: 4.5 days suitable. Soil moisture mostly adequate. Flue-cured tobacco 35% fair, 65% good. Harvest has begun about two weeks early in southeast. Burley transplanting complete. Corn 25% fair, 65% good, 10% excellent. Silking averaging 15%. Soybeans 83% planted, 81% 1975; condition 30% fair, 70% good. Peanuts 30% fair, 70% good. Cotton 25% poor, 45% fair, 30% good. Sweetpotatoes 88% transplanted, 80% 1975; condition 20% fair, 80% good. Sorghum 82% planted, 1975 75%. Wheat 59% harvested, 54% 1975, 32% average. Oats 68% harvested, 64% 1975, 46% average. Barley 73% harvested, 69% 1975, 52% average. Rye 69% harvested, 64% 1975, 38% average. Peaches 14% harvested, 20% 1975, 10% average; Condition fair to good. Irish potatoes 31% harvested, 18% 1975; condition fair to mostly good.

NORTH DAKOTA: Temperatures 2 to 10° below normal. Extremes: 83 and 36°. Precipitation above normal north central, south central, east central and central, below normal elsewhere. Rainfall 0.66 in. above normal to 0.59 in. below normal. Weekend weather partly cloudy to cloudy with scattered showers and thundershowers.

Recent rains improved crop prospects somewhat, but more rain needed for significant improvement. Hard Red Spring Wheat 25% headed, durum 15%, barley 25%. Pasture condition generally poor to fair.

OHIO: Badly needed rain fell 18th to 20th. Amounts 0.90 in. south to 1.82 in. north central. Well above normal temperatures. Extremes: 95 and 47°.

Average Height: Corn 17 in., 20 in. 1975 and 14 in. normal; Soybeans 8 in., 8 in. 1975 and 5 in. normal. Hay first cutting completed: Alfalfa 90%, 70% 1975 and normal; Clover-Timothy 65%, 55% 1975 and 50% normal. Wheat 75% turning, 50% 1975 and

normal. Oats 85% headed, 80% 1975 and 60% normal. Tobacco 90% set, 90% 1975 and 80% normal. Moisture supplies, prior to weekend rains, 74% short and 26% adequate. All crops fair to good condition. Pasture poor to fair. Fieldwork: 6.0 days suitable. Soybeans 100% planted, 100% 1975 and 95% normal.

OKLAHOMA: Temperatures 3 to 4° below normal. Precipitation 0.09 in. Panhandle to 1.79 in. south-east. Weekend warm with scattered rains.

Wheat harvest 42% complete, 37% year ago, 67% average. Cutting ranges from complete extreme southwest to none Pandle and northeast. Good progress expected following scattered rains. Barley 64% harvested, 54% year ago, average 67%. Oats half combined, 61% average. Good yields reported both crops. Sorghum planting 90% complete, 63% up to stand compared 84% planted and 58% up to stand on the average. Considerable replanting cotton some localities, 95% complete, 84% year ago and average. Condition good to fair, 65% up to stand. Peanut planting near windup, average plantings 96%, year ago 84%; 65% up to stand. Condition mostly good to fair. Soybeans ahead of 82% average at 86% planted, 50% up to stand, both ahead progress year ago by as many as 6 points. Second cutting alfalfa taken with good yields, same as year ago. Range condition down slightly; winds dried soils but still mostly good to excellent.

OREGON: Temperatures well below normal. Extremes: 95, mid 30's west; high 80's, 29 east. Precipitation throughout week, occurring mainly at first and at midweek. North coast wettest with 0.75 in. Elsewhere, lesser amounts.

Fall wheat heads filling. Some wheat in soft dough stage. Hay cutting as weather permits. Alfalfa seed coming into bloom. Cherry harvest to begin end of week. Strawberry harvest in full swing. Prune fruit set spotty. Peach fruit set good. Good peach crop expected. Filbert production light. Potatoes and onions developing well. Asparagus harvest at end. Livestock in good condition. Ranges and pastures in good condition.

PENNSYLVANIA: Warm and very humid. Highs mostly in 80's under partly sunny skies while overnight lows cooled only into the 60's and 70's due to a continuous southwesterly flow. Extremes: 94 and 50. Southeast warmest where 4 to 8° above normal. Daily dose of showers and thunderstorms produced rainfall totals of 4.00 to 7.00 in. through central mountains from border to border. Elsewhere amounts generally 1.00 to 2.00 in. range.

Soil moisture mostly adequate to somewhat short. Fieldwork: 5.0 days suitable. Activities: Hay making, filling silos, spraying, cultivating, transplanting tobacco, harvesting asparagus, strawberries and sweet cherries, beginning of barley combining. Corn height 9 in., 10 in. in 1975. Tobacco transplanting 87% complete. Soybeans 87% planted, 94% last year. Wheat 71% headed and 25% turning, last year 18% turning. Barley 59% turning with 12% ripe. Some harvest in south. Oats 48% headed, 28% in 1975. Alfalfa first cut 73% complete, second cut begun. Clo-Tim 58% cut. Quality of hay good to fair. Feed from pastures average. Grapes blooming early.

PUERTO RICO: Island rainfall 0.78 in. or 0.60 in. below normal. Temperatures averaged 80° on coasts and 74° interior. Extremes: 93 and 97°.

SOUTH CAROLINA: Temperatures slightly below normal; 1 to 2° below normal in mountain, coast areas;

4° below normal in midlands. Extremes: 91 and 56°. Wetter than normal. Heaviest rains fell on 16th, 4.48 in.

Wet conditions slowed field activities. Soybean planting continues. Harvest of small grains, watermelons, peaches, tobacco in early stages, tomatoes, cucumbers, lima beans. Crop condition: Cotton, fair; Soybeans, fair to good; Corn and tobacco, good. Soybeans planted: 82% 1976; 87% 1975; 80% average. Tobacco harvested: 6% 1976. Peaches harvested: 26% 1976; 17% 1975; 14% average. Wheat harvested: 70% 1976, 80% 1975; 63% average.

SOUTH DAKOTA: Substantial rain west and north central; 1.00 to over 5.00 in. Scattered showers elsewhere. Drought continues in east and central. Seasonal moisture deficit 4.00 to 7.00 in. Temperature below normal.

Drought forcing maturity of small grains. Fall seeded turning one week and spring grains turning two weeks ahead of normal. Sorghum 90% planted, 1975 97%, normal 96%. First corn cultivation 85% complete, 1975 70%, normal 78%. Second cultivation 19% complete, 1975 10%, normal 10%. Corn holding its own--needs rain soon. Alfalfa hay 64% harvested, 1975 41%, normal 60%. Pastures poor. Large numbers of livestock being sold.

TENNESSEE: Scattered showers and thundershowers widespread. Amounts averaged near 2.00 in. across west and east and 1.00 in. across middle. Temperatures 2° below normal west and middle to normal northeast.

Soil moisture surplus in west, short in east. Fieldwork: 4.7 days suitable. Corn and cotton nearly all planted. Some cotton fields plowed up planted to soybeans. Soybeans 87% planted, 81% last year, 83% average. Wheat excellent condition, good yields reported; 50% harvested, 50% last year, 47% average. Oats 25% harvested, 45% last year, 25% average. Barley 50% harvested, 61% last year, 52% average.

TEXAS: Scattered showers in west, far south. Few heavy amounts in mountains west of Pecos Valley. Heavy rains north central, northeast, southeast, some totals over 5.00 in. Normal ranges from 0.25 in. far west to 1.00 in. north, east, and south. Temperatures 3 to 6° below normal Panhandle, South Plains, 1° below normal far south. Normals range from upper 70's northwest to 84° far south.

Hot, dry weather prevailed over west. Wheat harvesting progressed rapidly, now 47%. Last year harvest 54%, average 60%. Yields fair. Oat harvest 84%, 3% behind average rate. Quality of crop good. Barley harvest at 52% complete behind schedule, last year 66%, average rate 92%. Corn stands look good. Making excellent progress. Few boll weevils reported in cotton. Non-irrigated stands on Plains need rain. Most other fields look good, making excellent progress. Few stands central beginning to bloom. Sorghum 95% planted, 97% in 1975 and 96% average. Stands look good. Harvesting begun south. Stands in central, east headed out. Peanut seeding active at 73% complete, 81% in 1975 and 71% average. Early stands look good. Ranges Plains, west, south drying out. Pastures east fair although weeds problem. Cattle generally good. Hornflies problem north, east. Ticks northeast.

Movement okra, sweet corn continues. Honeydew watermelon harvest active some disease later fields. Citrus good condition. Cucumber harvest in progress. Potato harvest underway. Tomato harvest continues. Squash, cabbage, onion harvest active. Picking early peaches active in most areas. Supplies plentiful.

UTAH: Scattered rain in valley, snow in mountains northwest portion beginning and end of week. Accumulated amounts generally light but locally moderate to heavy. Temperatures dropped below freezing many agricultural areas early week. Local areas frost damage to fruit and field and garden crops. Rising trend during period. Averages for week ranged from 3 to 11° below normal.

Frost early week damaged corn, small grains and barley. Damage ranged from light to extensive--depending on locality. Winter wheat is 90 to 100% headed out and beginning to ripen. Alfalfa hay harvest still underway. Most of first crop alfalfa seed crop damaged or destroyed. Sweet cherry picking due to start about July 1. Fruit prospects appear fair to good.

VIRGINIA: Temperatures above normal. Extremes: 95 and 48°. Mostly cloudy skies. Rainfall averaged 1.17 in.

Fieldwork: 4.3 days suitable. Topsoil moisture 57% adequate, 33% short, 10% surplus. Corn improved after showers. Less than 2% acreage silked. Soybeans 77% planted. Small grain harvest: Barley 55%, 1975 52%, average 31%; Oats 36%, 1975 35%, average 18%; Wheat 23%, 1975 17%, average 7%. Yields averaging below normal. Resetting, cultivating tobacco continues. Limited irrigation necessary. Good weather for curing, saving hay. Pasture conditions down slightly, need moisture. Potatoes, other vegetables required irrigation. Potato, snap bean harvest active.

WASHINGTON: East: Temperatures normal. Precipitation above normal.

Cool temperatures limited pastures, crops, activities. Strawberry harvest underway. Hay harvest complete in some areas. Grass silage harvested. Feed adequate. Corn slow. Fruit thinned. Tent caterpillars heavy.

West: Temperatures from normal to 6° below. Precipitation 0.50 in. Above normal in southeast; 0.20 in. below normal elsewhere.

Scab and fire blight in fruit areas. Apple thinning started. Cherry harvest next week. Spraying for codling moths. Grains heading. Aphids on

wheat. First alfalfa cutting continues. Potatoes looking good. Sweet corn slow. Asparagus harvest completed. Winter wheat in dough stage. Some fields thin. Sweet onions harvested. Pastures adequate.

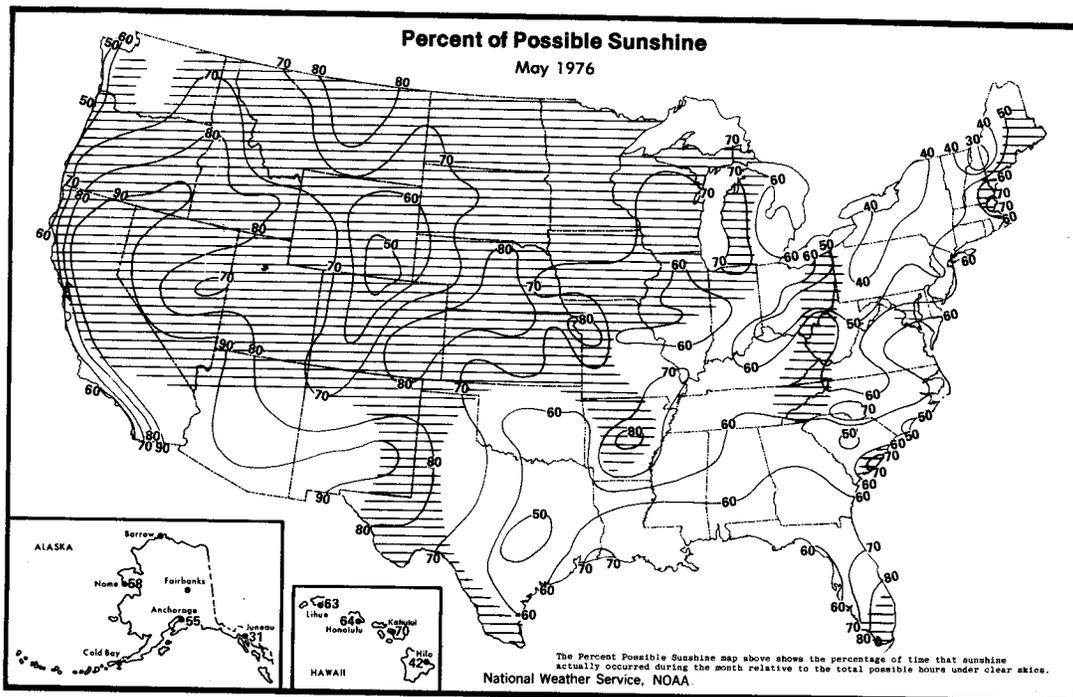
WEST VIRGINIA: Soil moisture short. Fieldwork: 5.0 days suitable. Hay harvest, gardening and cultivating most active. Corn emerged 96%. Over 67% tobacco acreage set. First hay cutting 50% complete. Crops in fair condition. Oats 43% headed. Turning yellow: Barley 84%, wheat 38%. Livestock in good condition.

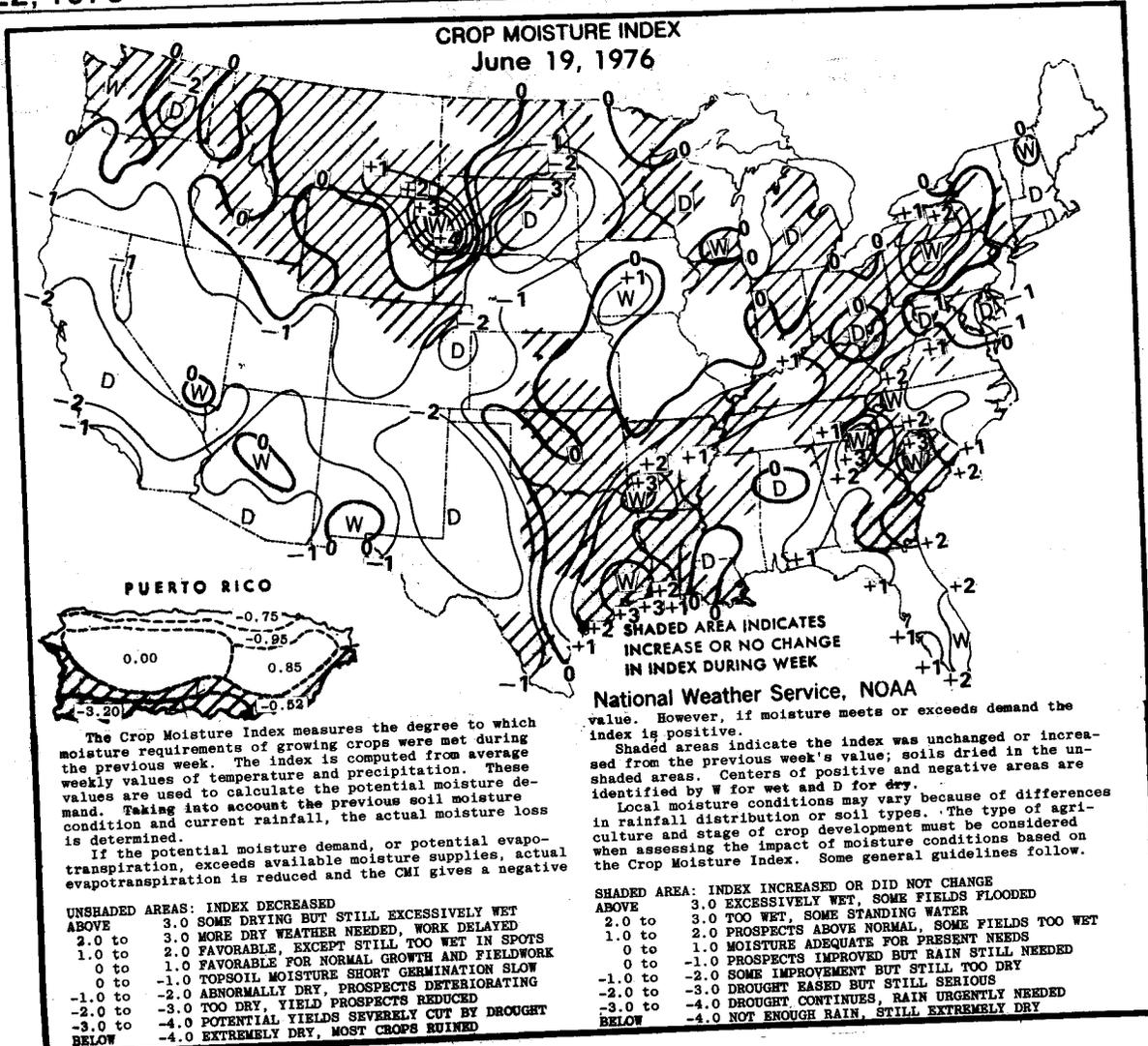
WISCONSIN: Temperatures 1° subnormal. Warm beginning, cooler midweek, warmer weekend. Highs in upper 80's, lows in 40's. Rainfall heaviest north, west, and southeast where totals exceeded 1.00 in. Amounts light northeast, central, and south except southeast where good showers 18th. Other substantial rains 14th and 17th north and west.

Crops helped by rains but more needed. Soil moisture short. Corn growing good. Corn average height 13 in., 1975 11 in., normal 8 in. Some corn knee high or more. Weeds a problem where sprays not effective in dry soils. More cultivation than usual. Oats and small grains heading out on short straw. Soybeans look good but need rain. First crop hay 55% harvested, 1975 15%, normal 25%. Good quality hay but quantity lower than usual. Pastures well below normal condition. Rain needed for pastures and second crop hay. Tobacco being transplanted. Early pea harvest started. Strawberries being picked.

WYOMING: Temperatures somewhat cooler, below seasonal normals. Beneficial precipitation all drainages. All areas above normal except Snake and Lower Platte.

Topsoil moisture adequate. All crops planted and emerged. Winter wheat 85% headed. Sugarbeets 73% thinned. Some wheat rust. Crops in good condition except for severe local hail damage. Range and pasture conditions good. Haying started.





HARVESTING PROGRESS

Percent of Acreage Harvested
(as of June 20)

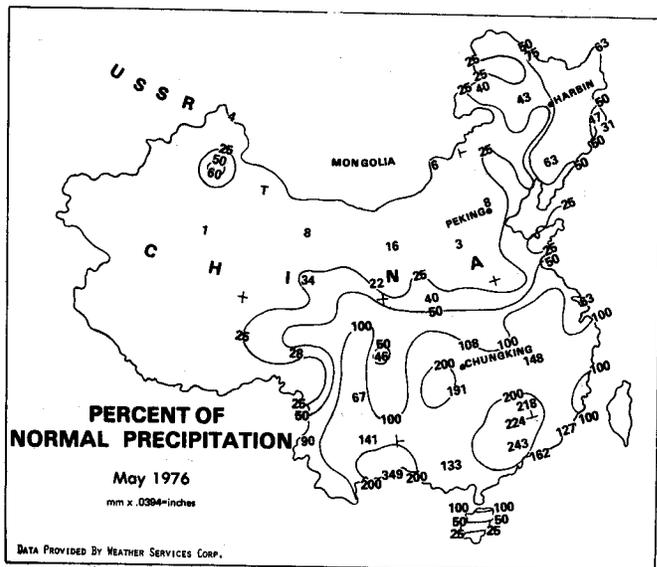
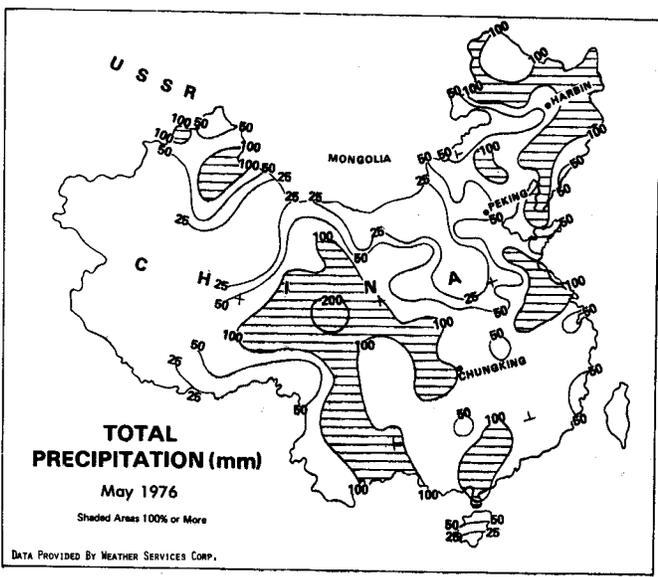
	winter wheat		
	1976	1975	Avg.
Colo.	0	0	0
Ill.	0	0	0
Ind.	5	0	0
Kans.	5	0	10
Mo.	22	29	20
Mont.	0	0	0
Nebr.	0	0	0
Ohio	0	0	0
Okla.	42	37	67
Oreg.	0	0	0
S. Dak.	0	0	0
Tex.	47	54	60
Wash.	0	0	0
U. S.	16	14	21

These 13 States produced 82% of the Nation's winter wheat in 1975.



FIRST CLASS MAIL

China Precipitation



World Weather and Crop Update

The Netherlands received some heavy rain last week and lesser amounts were scattered elsewhere in Europe. In France, however, little or no rain fell in northern areas, and, in fact, little or no precipitation dampened most of the country in the first 20 days of June. Crop conditions were critical. With few exceptions June precipitation in Europe, outside of the USSR and parts of the Balkans, measured well below normal. Areas of crop stress increased with the seasonal rise in temperatures and the stepped-up moisture demand of growing crops.

Relatively dry weather in much of the Mediterranean region favored ripening and harvest of winter grains.

European USSR continued to receive useful rain, although amounts were light in the Lower Volga and North Caucasus regions. The Urals welcomed much-needed rain but still need more. Rain was spotty

in Kazakhstan and West Siberia, though significant amounts favored northeast Kazakhstan, where it had been quite dry. Dry weather threatened key areas of north Kazakhstan and West Siberia, including Altai Kray.

June brought substantial rains in northern and northeastern parts of the People's Republic of China (PRC), Peking and Hopeh Province, especially benefited spring grains and soybeans. Rain tended to be lighter than usual over much of other PRC regions.

Scattered rains in India were plentiful in some places and provided little or no moisture in others. Token rain peppered parts of Australia, but were inadequate to establish winter grains and significantly promote growth of forage. It was quite dry in southern Brazil, Uruguay, and Argentina where rain would benefit newly-sown grain. Late May and early June rains eased the drought in central Chile.