

WEEKLY WEATHER AND CROP BULLETIN

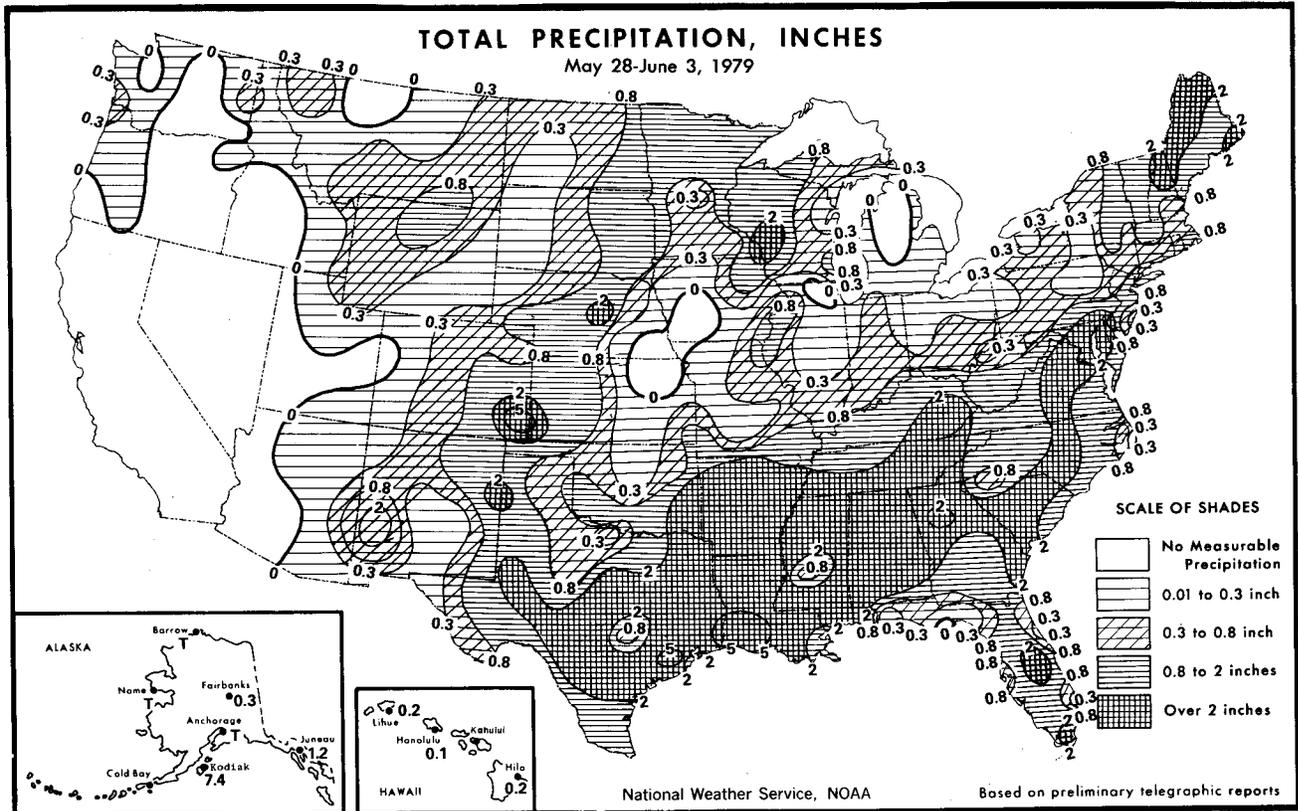
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National Weather Summary

May 28 - June 3

HIGHLIGHTS: An upper air disturbance in the Southwest combined with surface winds from the Gulf to the Rockies and caused heavy showers and thunderstorms from New Mexico and West Texas to western Nebraska. Storms also moved eastward from Texas through the Ohio Valley to the Atlantic Coast. Cool air edged southward from Canada and triggered showers and some snow from the northern Rockies to the western Great Lakes.

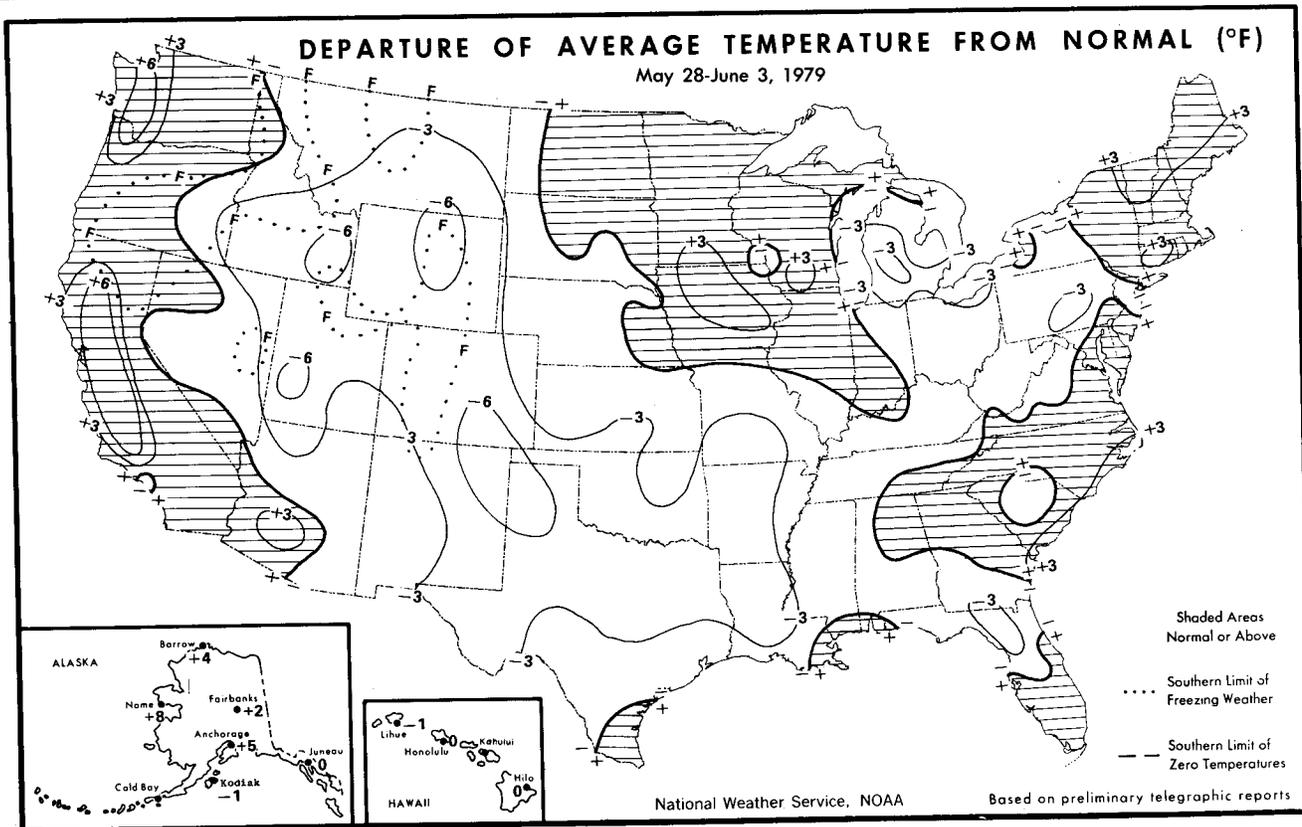
Late-season freezes hit much of the Pacific Northwest. Much of the Nation averaged cooler than normal except the extreme East and West Coasts.

On Monday, showers fell over a large portion of the East Coast with the heaviest amounts in Florida. More than 2 inches drenched Miami.

Unsettled weather extended from northeastern Texas through the Delta Region and Deep South. Hail and a tornado were reported in Texas; Killeen notched one and a quarter inches of rain. Other areas of rain showed more than three-quarters inch at Joplin, southwestern Missouri, 2 inches near Shreveport, northwestern Louisiana, and more than 3 inches at Greenwood, west central Mississippi. A tornado touched down south of Topeka.

In the Florida Panhandle, Apalachicola scored a record low 52°, undercutting the 1961 mark by six.

Diverse weather spanned the northern tier of States on Tuesday. Snow fell in mountainous areas of Idaho and Montana. Heavy rain, high winds, and tornadoes swept from the eastern Dakotas across Minnesota to Wisconsin. More than 3 inches soaked La Farge, southwestern Wisconsin. Rain dipped into the central Plains, where North Platte, central Nebraska, got more than an inch and one-half.



Storms formed from Texas across the South and up the Atlantic Seaboard. One to 2 inches hit Houston, Lafayette, south central Louisiana, Birmingham, Ala., and Athens, northern Georgia.

Muskegon, west central Michigan, posted a record-tying low of 35°.

On Wednesday, severe weather stretched from the central Rockies southeastward to the South.

Lamar, southeastern Colorado, weathered nearly 5 inches of rain. Hail and heavy rains struck near San Antonio. An area from eastern Texas across the South to Florida received heavy rains. Orange, Tex., on the Louisiana border, called in more than 3 inches; in Louisiana, Lake Charles managed more than 3.5 inches, Lafayette---about 3 inches, and in the southwestern part of the State, Fenton was awash in more than 8 inches; and Orlando, eastern Florida, registered about 3 inches.

One-half to one inch of rain dampened portions of the Plains, Ohio Valley, and New England.

Record cold readings rushed into the Plateau Region and Rockies. New marks showed Salt Lake City's 34°, Pocatello's 28°, and Reno's 30°. By contrast, Del Rio, West Texas, hit a record high 106°.

Heavy rains soaked the Nation from the Appalachians and South eastward to the Atlantic Coast on Thursday. Some sections of Tennessee got 3 inches; Marietta, northwestern Georgia, noted 2.3 inches; and Washington, D.C., scored nearly an inch and one-half. The rain at Portland, southeastern Maine, made for a record 14 consecutive days with precipitation. Tornadoes were sighted in the Carolinas and Florida.

Rain was frequently heavy over western Texas, where Junction measured more than 2 inches. In southeastern New Mexico, large hail pelted Carlsbad, and a twister touched down at Tatum.

An early morning record-equaling temperature of 38° chilled Colorado Springs, central Colorado.

On Friday, heavy rains soaked New Mexico and Texas, with lighter amounts on the East Coast.

South central Texas collected heavy accumulations of rain when 4 to 5 inches hit Hondo and Tarpley, west of San Antonio. Nearly 4 inches soaked San Antonio itself. Some local streams topped their banks. Some New Mexico stations gathered an inch and one-half of rain.

In the East, Baltimore measured 2 inches, and Cross City, western Florida, tallied an inch and a third.

Record low temperatures included 40° at Lincoln, Nebr., and 31° at Havre, north central Montana, which tied the 1880 mark.

Texas again collected heavy rains on Saturday. Up to 5 inches hit East Texas; waterways overflowed in the Nacogdoches and Houston vicinities. The heavy rain reached Arkansas, where Hutting in the southern part of the State, was drenched by nearly three and three-quarters inches. Corpus Christi, further down the Texas Gulf Coast, had two and a half inches. More rain hit the San Antonio area and sections of New Mexico.

Further east, one to 3 inches soaked parts of the Deep South and Tennessee and Ohio Valleys. Chattanooga measured 2.4 inches, and at nightfall, Charlottesville, north central Virginia, collected 3.3 inches of rain, which triggered local flooding.

On Sunday, very heavy rains spread over the middle Atlantic Coastal States; central Virginia got more rain and flooding. One to 2 inches soaked points from Alabama and the Ohio and Tennessee Valleys to the East Coast. Philadelphia tied its record of 12 consecutive days with rain. In

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National Agricultural Summary

May 28 - June 3

HIGHLIGHTS: Rains across the South and into New England slowed fieldwork and limited the number of days suitable for field preparation and planting crops. The south central and Atlantic Coast States had only 1 to 4 days suitable for fieldwork. Rains in these areas encouraged grass growth but hindered mowing and curing hay. Winter wheat heading became more widespread in Nebraska and the Corn Belt; harvesting remained limited to the extreme southern areas of the Nation. Corn planting advanced to 98%, ahead of last year's 89% and the 94% average. Soybean planting attained 65%, equaling the average and surpassing the 54% last year. Progress lagged in the Delta States but was well advanced in the north central States. Cotton planting reached 91%, equaling the average and 4 points ahead of last year. Planting in most areas was virtually complete except Texas and Oklahoma. Grain sorghum seeding reached 62%, surpassing last year's 55% but slightly behind the 63% average. Rice seeding reached 93%, short of the 98% for last year and average; rain delayed planting in Arkansas and Mississippi. Pastures rated good supplying adequate amounts of forage, however, dry weather slowed grass growth throughout most of the West. Deciduous trees bloomed in extreme northern areas while harvesting got underway across the South and California. Cool, wet weather slowed vegetable planting and development in many northern areas and some parts of the South. Vegetable harvests advanced into the Carolinas. Fuel supplies continued to tighten. Thirty-one percent of the reporters indicated that diesel fuel was tight, while 66% rated adequate; gasoline scored 22% tight and 76% adequate, while LP gas was reported 90% adequate. Growers expressed concern about adequate fuel supplies for the winter wheat harvest on the Great Plains, and California growers worried about adequate fuel supplies to move produce to market.

SMALL GRAINS: Winter wheat rated fair to good throughout major producing areas. Heading became more widespread in Nebraska but had not reached South Dakota. Heading ranged from 65 to 92% in the Corn Belt, generally ahead of last year. Across the South, harvesting ranged from 11% in Mississippi to 25% in Louisiana. Texas harvest reached 4%, lagging last year's 6% and the 14% average; rains slowed wheat harvest, but lodging problems were minimal. The Oklahoma harvest should begin in 7 to 10 days. The Arizona harvest accelerated.

Spring wheat seeding advanced to 86%, short of last year's 91% and the 90% average. Most planting centered in North Dakota and Minnesota where progress stood at about 84%. Oat and barley seedings neared completion in all major producing States except Minnesota and North Dakota.

CORN: Corn planting reached 98%, surpassing 1978's 89% and the 94% average. Emergence ranged from 70 to 90% through major production areas. The crop generally rated good although growth lagged last year and average by 1 to 4 inches; wet soils and low temperatures yellowed some of the crop. The southern crop continued to silk.

In the eastern north central States, corn planting stood at 96%, ahead of last year's 83% and the 90%

average. Only Wisconsin lagged with some acreage to plant on wet, heavy soils. In the western Corn Belt, seeding also reached 96%, ahead of 1978's 89% and the 94% average. Planting was finished in the South.

SOYBEANS: Soybean planting reached 65%, compared with 54% last year and the 65% average. Twenty to 40% of the crop emerged in the north central States.

In the Southeast, planting reached 67%, surpassing last year's 60% and the 63% average. In the eastern Corn Belt, planting reached 81%, far ahead of 1978's 48% and the 70% average. In the western Corn Belt, planting stood at 73%, ahead of last year's 58% and the 72% average. Rain and wet soils slowed planting in the south central States where seeding stood at 39%, lagging 1978's 55% and the 54% average.

COTTON: Cotton planting reached 91%, equaling the average and ahead of the 87% last year. The crop generally rated fair to good, although some of the Delta crop rated poor because of cool, wet weather. Most of the crop emerged, except in Oklahoma and Texas where planting lagged other areas, though not far behind normal for those States. Squaring advanced into Georgia which stood at 35%, and South Carolina and California at 1%. Texas squaring reached 11%, and 4% was setting bolls. Heavy rains throughout the Texas Panhandle raised the concern that some replanting may be necessary.

OTHER CROPS: Grain sorghum seeding advanced to 62%, ahead of 1978's 55% and nearly up to the 63% average. In Oklahoma, 20% of the crop was up to stand and in Nebraska 30%. Texas sorghum reached 24% headed and 6% turning color. Texas sorghum planting centered on the Plains and Cross-Timbers areas.

Rice seeding reached 93%, 5 points less than last year and the average. Planting was virtually complete except in Arkansas, at 82%, and Mississippi, at 89%. Rains throughout the Delta continued to hamper seeding activity.

Peanut seeding neared completion in eastern areas and was almost on schedule in Texas at 36%.

Tobacco transplanting exceeded last year but tended to lag the average. Kentucky transplants were getting too large to set out.

FRUITS & NUTS: Deciduous fruit trees bloomed in extreme northern areas. Growers sprayed and thinned trees. Peach harvest continued across the South and ranged from 14% in Georgia to 3% in South Carolina. Rains helped peaches attain good size. Ideal weather conditions prevailed in Washington's Yakima Valley. California growers harvested early freestone peaches, nectarines, apricots, plums, grapes, and cherries. Florida citrus trees rated excellent with very little irrigation necessary. New crop fruit made excellent progress, while the Valencia harvest continued active. Texas citrus developed well; irrigation and spraying activities increased. Arizona grapefruit and Valencia harvests slowed. California growers harvested grapefruit, Valencias, and lemons.

(continued on page 11)

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., June 3, 1979

States and Stations	Temperature Of		Precipitation Inches		States and Stations	Temperature Of		Precipitation Inches		States and Stations	Temperature Of		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	75	+ 1	3.9	+ 3.1	LA. Baton Rouge . . .	75	- 3	3.4	+ 2.6	Youngstown . . .	61	- 2	.1	-.7
Mobile . . .	78	- 0	4.1	+ 3.0	Lake Charles . . .	76	- 2	6.7	+ 5.6	OKLA. Okla. City . . .	69	- 3	.2	- 1.0
Montgomery . . .	75	- 1	3.9	+ 3.1	New Orleans . . .	79	+ 1	1.9	+ .9	Tulsa . . .	72	- 1	.5	-.7
ALASKA Anchorage . . .	56	+ 5	T	-.1	Shreveport . . .	73	- 4	3.7	+ 2.7	OREG. Astoria . . .	56	+ 2	.3	-.3
Barrow . . .	31	+ 4	T	-.1	MAINE. Caribou . . .	60	+ 5	2.8	+ 2.1	Burns . . .	54	- 1	0	-.3
Fairbanks . . .	57	+ 2	1.3	+ .1	Portland . . .	60	+ 2	1.1	+ .3	Medford . . .	63	+ 2	0	-.3
Juneau . . .	50	- 0	1.2	+ .5	MD. Baltimore . . .	68	0	4.3	+ 3.5	Pendleton . . .	62	0	0	-.3
Kodiak . . .	46	- 1	7.4	+ 6.4	MASS. Boston . . .	63	0	.3	-.5	Portland . . .	65	+ 6	T	-.4
Nome . . .	49	+ 8	T	-.1	Chatham . . .	58	-	.8	-	Salem . . .	61	+ 3	.1	-.3
ARIZ. Flagstaff . . .	52	- 2	.1	0	MICH. Alpena . . .	56	0	.1	-.5	PA. Allentown . . .	66	+ 1	.3	-.5
Phoenix . . .	84	+ 4	0	0	Detroit . . .	61	- 3	.2	-.6	Erie . . .	57	- 3	.4	-.4
Tucson . . .	77	- 1	.1	+ .1	Flint . . .	60	- 1	.1	-.7	Harrisburg . . .	65	- 3	.9	+ .1
Winslow . . .	66	- 1	T	0	Grand Rapids . . .	60	- 3	0	-.8	Philadelphia . . .	69	+ 1	.7	-.1
Yuma . . .	83	+ 1	0	0	Houghton Lake . . .	56	- 2	T	-.7	Pittsburgh . . .	64	- 1	.4	-.4
ARK. Fort Smith . . .	69	- 5	3.1	+ 2.0	Lansing . . .	56	- 6	.2	-.6	Scranton . . .	62	- 2	.7	-.1
Little Rock . . .	70	- 4	2.0	+ 1.0	Marquette . . .	56	+ 2	.6	-.3	R.I. Providence . . .	62	0	.8	+ .1
CALIF. Bakersfield . . .	81	+ 8	0	0	Muskegon . . .	56	- 5	.2	-.4	S.C. Charleston . . .	78	+ 3	1.0	-.1
Eureka . . .	54	0	0	-.3	S. St. Marie . . .	55	+ 1	.4	-.4	Columbia . . .	74	- 2	2.3	+ 1.5
Fresno . . .	77	+ 7	0	0	MINN. Duluth . . .	55	+ 1	1.3	+ .4	Greenville . . .	74	+ 1	.6	-.2
Los Angeles . . .	65	- 1	0	0	Internat Falls . . .	55	0	.8	0	S.D. Aberdeen . . .	61	0	1.0	+ .3
Red Bluff . . .	78	+ 7	0	-.1	Minneapolis . . .	64	+ 2	.9	0	Huron . . .	61	- 1	.9	+ .1
San Diego . . .	65	+ 1	T	0	Rochester . . .	64	+ 2	.8	-.2	Rapid City . . .	58	- 2	.1	-.7
San Francisco . . .	63	+ 3	0	0	St. Cloud . . .	60	0	.3	-.7	Sioux Falls . . .	64	+ 1	1.4	+ .4
Stockton . . .	76	+ 8	0	0	MISS. Jackson . . .	74	- 2	.7	-.2	TENN. Chattanooga . . .	74	+ 1	4.9	+ 4.2
COLO. Denver . . .	56	- 5	.6	0	Meridian . . .	75	- 1	2.5	+ 1.7	Knoxville . . .	72	0	2.6	+ 1.8
Grand Junction . . .	64	- 6	1.2	+ .8	MO. Columbia . . .	67	- 2	.5	-.6	Memphis . . .	72	- 1	3.2	+ 2.3
Pueblo . . .	60	- 6	1.2	+ .8	Kansas City . . .	68	- 1	T	- 1.2	Nashville . . .	72	- 1	1.1	+ .3
CONN. Bridgeport . . .	65	+ 2	.7	+ .1	St. Louis . . .	70	- 1	.3	-.7	TEX. Abilene . . .	72	- 4	.4	-.4
Hartford . . .	67	+ 4	.7	-.1	Springfield . . .	64	- 5	.1	- 1.0	Amarillo . . .	62	- 8	.6	-.2
D.C. Washington . . .	71	0	2.5	+ 1.7	MONT. Billings . . .	55	- 3	.4	-.2	Austin . . .	76	- 3	.6	-.2
FLA. Apalachicola . . .	76	- 2	0	-.8	Glasgow . . .	56	- 2	.2	-.3	Beaumont . . .	77	- 1	3.9	+ 2.8
Daytona Beach . . .	80	+ 3	.2	-.9	Great Falls . . .	57	0	T	-.7	Brownsville . . .	83	+ 2	1.1	+ .4
Ft. Myers . . .	82	+ 2	1.2	-.3	Havre . . .	56	- 2	T	-.5	Corpus Christi . . .	82	+ 2	1.5	+ .8
Jacksonville . . .	77	0	.8	-.3	Helena . . .	53	- 2	.2	-.3	Del Rio . . .	79	- 2	1.8	+ 1.2
Key West . . .	84	+ 2	.4	-.4	Kalispell . . .	53	- 1	.3	-.3	El Paso . . .	74	- 3	T	-.1
Lakeland . . .	-	-	-	-	Miles City . . .	57	- 3	.7	0	Fort Worth . . .	73	- 4	1.8	+ .9
Miami . . .	81	+ 1	2.8	+ .9	Missoula . . .	53	- 2	.1	-.4	Galveston . . .	77	- 2	1.8	+ 1.0
Orlando . . .	76	- 3	3.6	+ 2.5	NEBR. Grand Island . . .	65	- 1	.2	-.8	Houston . . .	79	0	2.9	+ 1.7
Tallahassee . . .	75	- 3	.1	- 1.0	Lincoln . . .	67	0	T	- 1.1	Lubbock . . .	68	- 5	1.5	+ .7
Tampa . . .	79	0	.4	-.6	Norfolk . . .	66	+ 1	.6	-.5	Midland . . .	71	- 5	2.3	+ 1.8
W. Palm Beach . . .	80	+ 1	.2	- 1.4	N. Platte . . .	63	0	1.8	+ 1.0	San Angelo . . .	76	- 2	1.3	+ .7
GA. Atlanta . . .	74	+ 1	1.1	+ .3	Omaha . . .	68	+ 2	T	- 1.1	San Antonio . . .	79	0	4.1	+ 3.4
Augusta . . .	75	0	3.2	+ 2.4	Valentine . . .	61	- 1	.3	-.5	Victoria . . .	79	- 1	4.3	+ 3.4
Macon . . .	77	0	1.3	+ .5	NEV. Ely . . .	51	- 2	0	-.2	Waco . . .	73	- 5	4.4	+ 3.5
Savannah . . .	80	+ 3	2.1	+ 1.0	Las Vegas . . .	80	+ 2	0	0	Wichita Falls . . .	73	- 4	.3	-.7
HAWAII. Hilo . . .	74	0	.2	- 1.6	Reno . . .	57	- 1	0	-.1	UTAH. Blanding . . .	59	- 2	T	-.1
Honolulu . . .	78	0	.1	0	Winnemucca . . .	59	+ 2	0	-.2	Salt Lake City . . .	59	- 3	T	-.3
Kahului . . .	76	0	T	-.1	N. H. Concord . . .	61	+ 1	.7	0	VT. Burlington . . .	64	+ 4	1.0	+ .2
Lihue . . .	76	- 1	.2	-.2	N. J. Atlantic City . . .	66	0	.1	-.7	VA. Lynchburg . . .	69	0	2.4	+ 1.6
IDAHO. Boise . . .	57	- 4	0	-.3	Trenton . . .	65	- 2	1.6	+ .9	Norfolk . . .	72	+ 1	1.5	+ .7
Lewiston . . .	63	+ 2	T	-.4	N. MEX. Albuquerque . . .	68	- 2	.2	+ .1	Richmond . . .	72	+ 1	1.9	+ 1.1
Pocatello . . .	52	- 6	.1	-.3	Roswell . . .	69	- 4	T	-.3	Roanoke . . .	67	- 1	.8	0
ILL. Cairo . . .	73	- 1	1.2	0	N. Y. Albany . . .	64	+ 1	.8	+ .1	WASH. Colville . . .	59	+ 1	.1	-.3
Chicago . . .	66	0	T	-.8	Binghamton . . .	59	- 1	T	-.8	Omaha . . .	62	+ 1	0	-.3
Moline . . .	69	+ 3	.9	0	Buffalo . . .	62	+ 1	T	-.6	Quillayute . . .	55	+ 2	.2	-.7
Peoria . . .	67	0	.2	-.7	New York . . .	66	- 1	1.1	+ .4	Seattle-Tacoma . . .	63	+ 6	0	-.4
Rockford . . .	66	+ 2	T	-.9	Rochester . . .	61	- 1	.6	0	Spokane . . .	58	0	.3	-.1
Springfield . . .	70	+ 1	.2	-.7	Syracuse . . .	62	0	.1	-.6	Walla Walla . . .	65	+ 2	T	-.4
IND. Evansville . . .	69	- 1	.8	-.1	N. C. Asheville . . .	69	+ 2	1.4	+ .6	Yakima . . .	62	+ 1	0	-.1
Ft. Wayne . . .	64	- 1	.1	-.8	Charlotte . . .	73	0	1.4	+ .7	W. VA. Beckley . . .	64	+ 1	1.1	+ .2
Indianapolis . . .	67	0	.5	-.5	Greensboro . . .	72	+ 1	1.0	+ .2	Charleston . . .	66	- 3	1.4	+ .7
South Bend . . .	63	- 1	.3	-.4	Hatteras . . .	74	+ 3	.1	-.8	Huntington . . .	67	- 2	1.2	+ .4
IOWA. Burlington . . .	67	0	1.0	0	Raleigh . . .	73	+ 2	2.0	+ 1.2	Parkersburg . . .	67	- 1	.2	-.7
Des Moines . . .	69	+ 3	0	- 1.1	Wilmington . . .	78	+ 3	1.1	0	WISC. Green Bay . . .	60	0	.1	-.7
Dubuque . . .	64	+ 1	.1	- 1.1	N. DAK. Bismarck . . .	59	0	.2	-.5	La Crosse . . .	63	- 1	2.5	+ 1.5
Sioux City . . .	65	- 1	.1	-.9	Fargo . . .	61	+ 1	.8	+ .2	Madison . . .	65	+ 4	.5	-.4
KANS. Concordia . . .	67	- 1	T	- 1.2	Williston . . .	57	- 1	.4	-.2	Milwaukee . . .	59	0	.9	+ .2
Dodge City . . .	67	- 2	1.0	+ .2	OHIO. Akron-Canton . . .	62	- 2	.2	-.6	WYO. Casper . . .	50	- 7	.1	-.3
Goodland . . .	62	- 2	1.2	+ .6	Cincinnati . . .	65	- 3	.8	-.1	Cheyenne . . .	52	- 5	.4	-.2
Topeka . . .	66	- 3	T	- 1.2	Cleveland . . .	60	- 3	.1	-.7	Lander . . .	53	- 4	.3	-.3
Wichita . . .	67	- 4	.1	-.8	Columbus . . .	66	0	.5	-.5	Sheridan . . .	50	- 7	1.5	+ .8
KY. Lexington . . .	67	- 2	1.1	+ .1	Dayton . . .	66	- 1	.3	-.6	P. R. San Juan . . .	82	+ 2	3.9	+ 2.4
Louisville . . .	70	+ 1	.9	-.1	Toledo . . .	62	- 2	.2	-.6					

Based on 1941-70 normals

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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 ESCS State offices in cooperation with the National Weather Service.

ALABAMA: Temperatures near normal, cool early, warm and humid last half. Rain daily some locations, totals up to 4.00 in.

Fieldwork: 2.8 days suitable. Soil moisture mostly surplus upper half, adequate lower half. Crop cultivation, soybean planting main activity. Soybeans planted 68%, 61% 1978, 63% average. Sorghum planted 53%, 53% 1978. Corn silked 14%, mostly good condition, increasing problem insect damage. Wheat harvested 21%, 21% 1978, 31% average. Soybeans, pastures good condition. Cotton, sorghum fair to good condition.

ARIZONA: Few showers north and east. Precipitation light. Temperatures slightly above normal.

Cotton good progress, squaring increasing west. Small grain harvest accelerating. Alfalfa haying full swing. Corn, sorghum, safflower seasonal progress. Sugarbeet harvest full volume, good quality. Cantaloup harvest just underway Yuma, later cantaloups, watermelons good progress. Lettuce harvest active Cochise County. Potato, dry onion harvest active. Harvest grapefruit, Valencias slowing. Grape harvest just underway. Diesel fuel mostly adequate to tight. LP gas, gasoline generally adequate. Cattle, calves, range, pastures mostly good. Stock water, soil moisture adequate. Feed adequate most ranges.

ARKANSAS: Rainfall below normal north; above normal central and south. Temperatures several degrees below normal. Lowest normal 71°; highest 78°. Lowest mean 67°; highest 74°. Lowest temperature 53°; highest 89°. Most rainfall 6.71 in.; least 0.73 in.

Fieldwork hampered by rainfall. Soil moisture surplus. Fieldwork: 3 days suitable. Fuel supplies adequate. Soybean condition fair; planting 18%, 54% 1978; 49% average. Cotton condition poor to fair; continued cool temperatures and wet weather encouraging seed rot, seedling diseases and dampening-off; planting 97%, 99% 1978; 98% average; acceptable stands 75%. Rice condition fair; seeding 82%, 95% 1978; 94% average. Corn and sorghum crop conditions fair to good. Stands varied. Corn 87% planted; 90% 1978, 88% average. Sorghum planting 66%, 86% 1978, 80% average. Wheat and oats fair to good. Harvest expected week of June 4. Strawberry harvest nearly completed. Tomatoes fair to good; harvest limited; two weeks behind normal. Peaches good condition; sizing well. Apples good. Grapes excellent. Watermelons fair to good. Pecans good; average nut crop expected. Pastures adequate forage. Hay harvest delayed. Quality declining. Cattle in good condition, gaining weight.

CALIFORNIA: Dry cold front passed through from northwest early week. Temperatures remained warm until 28th or 29th when very cold air mass with higher pressure over Pacific northwest slid into region bringing much cooler temperatures and strong northerly winds. Temperatures warmed each day for remainder of week to much above readings by 2nd. High pressure over plateau and Rocky Mountains continued the dry northerly winds and fair weather.

Small grains 95% turning color stage. Cotton 1% squaring stage. Rice 97% planted compared 95% year ago; 79% emerged. Corn 92% planted, 77%

emerged. Early freestone peaches, nectarines, apricots, plums, grapes harvested. Cherry harvest peaked. Summer grapefruit started. Valencias, lemons, desert grapefruit packed. Most asparagus from Delta going to processing. Cantaloup packing started Imperial Valley. Carrot harvest steady desert, light other districts. Sweet corn harvest decreased desert. Lettuce volume heavy central coast. Strawberry harvest remains heavy coastal areas with more volume to processors. Market tomato volume increasing desert, very light elsewhere. Watermelon movement increasing Imperial Valley. Winds continued dry. Dry mature ranges, pastures lower elevations. Range feed water supplies excellent. Movement livestock summer ranges, feedlots continues. Fuel supplies continue generally adequate. Some areas continuing experience tight supplies diesel, gasoline. Concern remains, sufficient diesel fuel for transporting crops to market.

COLORADO: Thunderstorms, showers throughout State. Heavier amounts received east of mountains. Temperatures averaged near normal west; 2 to 4° below east.

Winter wheat condition good; jointed 79%, 96% 1978, 96% average; headed 43%. Seeding of early spring crops completed two weeks behind schedule. Spring wheat emerged 93%. Oats emerged 86%. Spring barley emerged 94%. Corn condition good; 92% seeded, 98% 1978, 97% average; emerged 73%, 84% 1978. Sugarbeets 19% thinned, 24% 1978, 30% average. Alfalfa hay condition good. Ranges and pasture condition good. Fieldwork: 3.5 days suitable. LP gas and gasoline supplies adequate, diesel fuel mostly tight to adequate.

FLORIDA: High pressure dominated with scattered afternoon, evening thundershowers. Most rainfall occurred first half of week. Amounts ranged from 1.00 to 4.00 in. southeast coast, to under 1.00 in. southwest, with generally less than 0.25 in. central, north, panhandle but locally greater amounts around 2.00 in. Lows ranged in 50's north to 70's south, warming to mostly upper 60's north and 70's central, south by 6th. Highs mostly in 80's with some low 90's central interior, southwest.

Soil moisture mostly adequate; few wet areas west, north. Corn good progress, silage making underway. Peanut planting practically complete; crop good condition. Soybean planting active, early beans good growth. Tobacco harvest continues, some disease problems. Small grain harvest nearing completion. Peach harvest slow in north, complete other areas. Supplies tight for gasoline, diesel fuel some northern, western areas, mostly adequate other areas. Pastures generally good to excellent. Cattle, calves responding well to currently favorable forage supplies; herds good to excellent condition. Citrus tree condition excellent. Moisture adequate most areas, very little irrigation. New crop fruit making excellent progress. Valencia harvest very active. Overall vegetable crop condition variable, some crops fair to good, few very good. Most crops declining seasonally and completing harvest. Shipments down 7% from previous week. Supplies chinese cabbage up considerably. Harvest eggplant increased while carrots, sweet corn, okra, peppers, potatoes, radishes, watermelons held steady. Snap bean, cabbage, celery, cucumber,

escarole, lettuce, parsley, squash, tomato supplies decreased. Watermelon supplies steady west central area, at peak level southeast, increasing north central area but declining seasonally southwest area. Size, quality mostly good. Crop condition good north. Light harvest getting underway. Crop condition fair to good west. Fruit setting, sizing well. Cool nights slowing development. Tomato harvest winding down Palmetto-Ruskin. Harvest active Sumter County, getting underway Gadsden County. Spring potato crop diggings past halfway mark Hastings area.

GEORGIA: Temperatures 3 to 9° below normal, ranging from low 60's in mountains to low 70's in southwest and southeast. Extremes: 32 and 92°. Most sections received varying amounts rain.

Soil moisture surplus northern third, short part of west central. Adequate elsewhere. Fieldwork: 4 days suitable; only 1 suitable north. Corn fair to mostly good. Tobacco dropped to mostly fair to good, blue mold and earlier excessive moisture causing problems; harvest 2% complete, last year 1%, average 2%. Soybeans good; 73% planted, last year 69%, average 62%, wet soils hindered. Peanuts fair to mostly good; 26% blooming, last year 20%; 6% pegging, last year 3%. Cotton fair to mostly good; 35% squaring, last year 7%, average 16%. Sorghum 52% planted, last year 57%, average 50%. Wheat 35% combined, 20% last year, 42% average; severe disease problems some areas. Oats 36% harvested, 30% last year, 46% average. Haying active but rains troublesome. Watermelons fair to mostly good, movement expected at midmonth. Peaches good; 14% harvested, last year 6%, average 17%. Apples good, fire blight hurting some counties. Vegetables fair to mostly good, cold hurt mountain crops. Pastures, cattle, and hogs good. Fuel supplies mostly adequate.

IDAHO: Cool first of week but near normal rest of week. Some frost, damage minimal. Precipitation light.

Dry beans 60% planted. Planting of other spring crops virtually complete. Potatoes 35% emerged. Winter wheat 60% boot, spring wheat 20%, barley 15%; last year 60%, 10%, 10% respectively. Fieldwork: 6.2 days suitable. Soil moisture short to adequate. Farm fuel supplies mostly adequate.

ILLINOIS: Temperatures 1 to 3° above normal. Precipitation scattered, less than 1.00 in.

Soil moisture short to adequate. Corn 98% planted, 80% 1978, 91% average; condition good. Soybeans 81% planted, 48% 1978, 69% average. Winter wheat good; 92% headed, 75% 1978, 95% average; 45% filled, 30% 1978, 76% average. Oats good; 20% headed, 9% 1978, 35% average. Sorghum planting 60% complete. Alfalfa hay 44% cut first crop, 23% 1978, 39% average, condition good. Red clover good; 30% cut, 18% 1978, 37% average. Pastures good. Fieldwork: 6.3 days suitable.

INDIANA: Showers midweek mostly central and south; amounts 0.40 in. central, and 0.80 in. south. Temperatures near normal and ranged from 38 to 88°. Sunshine 53% southwest to 85% northeast.

Fieldwork: 5 days suitable. Topsoil and subsoil moisture adequate. Spring cropland 100% plowed, 1978 90%, average 100%. Corn 98% planted, 1978 80%, average 85%; 80% emerged, 1978 60%, average 80%; 5 in. high, 1978 4 in., average 7 in. Soybeans 80% planted, 1978 35%, average 65%; 40% emerged, 1978 15%, average 55%. Wheat condition mostly good. Wheat 80% headed, 1978 45%. Fuel adequate. Pastures good.

IOWA: Warm, dry. Few localities reported moderate or locally heavy showers mostly at midweek. Elsewhere dry weather continued with rainfall deficiencies most pronounced over southwest, south central, and east central where 5 to 15% of normal rain fell in past 2 weeks and 25 to 30% in past 4 weeks.

Fieldwork: 6.3 days favorable. Topsoil moisture short to adequate. Subsoil moisture adequate. Corn acreage: Nearly all planted, 1978 91%, normal 95%; 1.4% replanted; acreage emerged 83%, 1978 75%, normal 86%; 94% of normal stand. Soybean acreage planted 90%, 1978 73%, normal 80%; emerged 41%, 1978 48%, normal 58%. First crop alfalfa hay harvested 17%, 1978 5%, normal 27%. Crop conditions good: Corn, oats, wheat, clover hay, alfalfa hay, pasture. Livestock market movement slowed.

KANSAS: Temperatures ranging from 64° west to 69° northeast, generally 1 to 3° below normal except southwest 5° below normal. Precipitation widespread west but scattered and generally lighter east. Amounts mostly 1.00 to 2.00 in. west and 0.50 in. or less east.

Wheat condition improved due to rainfall received. Acreage headed 90%, 95% last year and average; 5% turning color, 10% last year, 25% average. Planting progressed last week as corn reached 95% complete, 90% last year and 95% average. Sorghum 40% planted, 30% last year, 40% average. Soybean acreage 35% planted, 30% last year, 35% average. First cutting alfalfa 65% complete, 50% last year, 70% average. Fieldwork: 5 days suitable. Gasoline and LP gas supplies improved slightly, diesel fuel supply tightened.

KENTUCKY: Temperatures near normal. Precipitation varied from less than 1.00 in. to over 2.00 in.

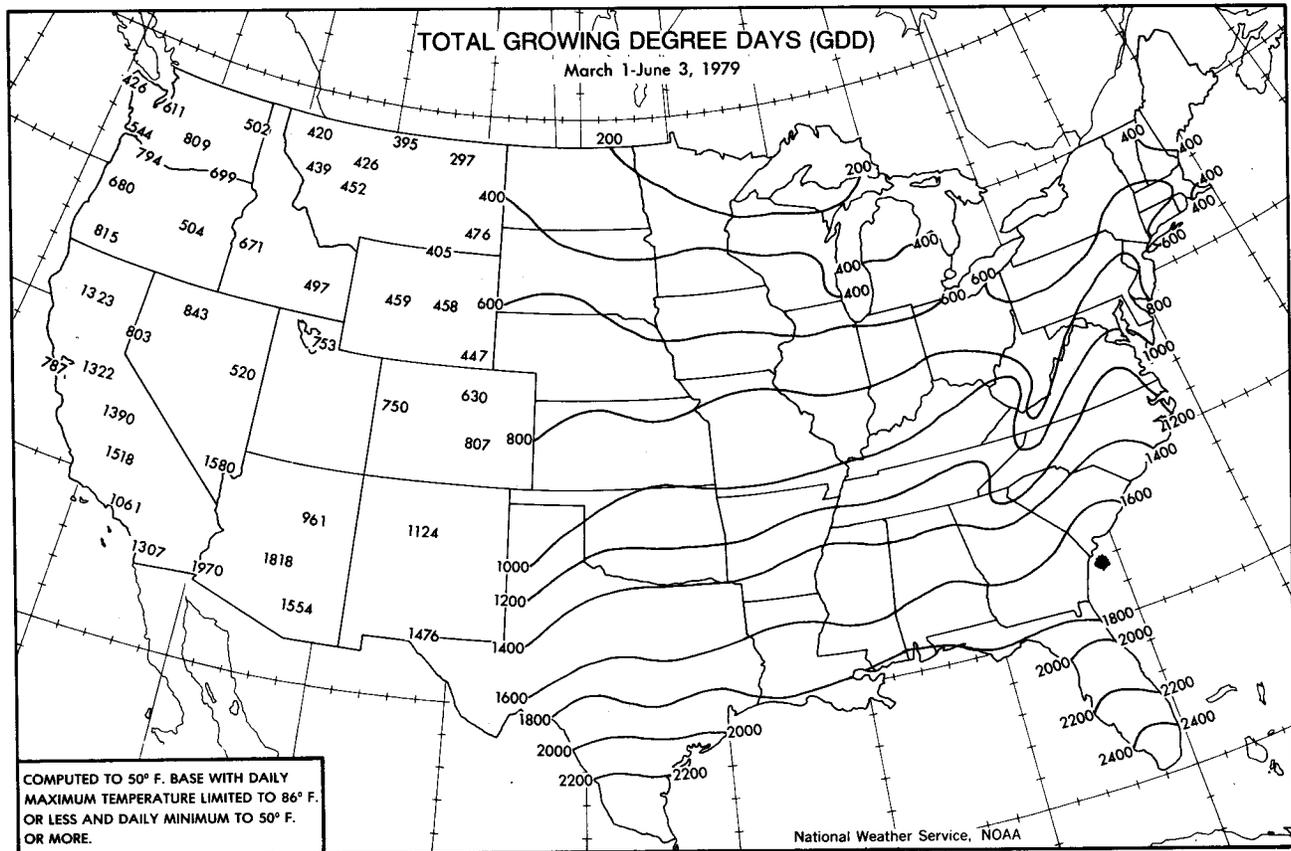
Fieldwork: 3 days suitable. Soil moisture adequate to surplus. Corn 80% planted, 84% last year, average 90%; height of emerged corn 6 in., 1978 8 in., average 10 in. Soybeans 32% planted, 34% 1978, 46% average. Burley 40% set, 22% last year, 56% average. Many plants in beds becoming too large for optimum setting. Wheat prospects fair to good. Barley prospects good with harvest expected to start soon.

LOUISIANA: Temperature normal to 5° below normal. Extremes: 92 and 58°. Showers statewide.

Fieldwork: 2.9 days suitable. Soil moisture adequate to surplus. Cotton fair to good; 95% emerged. Rice good; 99% planted; 98% emerged. Soybeans fair to good; 67% planted, 71% last year, 66% average; 50% emerged. Corn 30% tasseled, 25% last year; crop good. Sorghum good; 70% planted, 70% last year, 66% average; 50% emerged. Sweet-potatoes good; 79% transplanted, 75% last year, 69% average. Tomatoes harvested. Peach harvest underway. Sugarcane fair to good. Wheat 25% cut, 29% last year, 60% average. Hay, pasture, cattle good.

MARYLAND & DELAWARE: Temperatures 2° below normal. Highs in low 70's and lows in mid-50's. Precipitation about 1.00 in.

Fieldwork: 3.9 days suitable. Soil moisture adequate to surplus. Fuel supplies mostly adequate. Corn planting over 90% complete, 89% last year, 94% normal. Soybean planting 30% complete, 45% last year, 44% normal. Conditions very poor for haymaking. Tobacco fields 25% planted.



MICHIGAN: Temperatures normal to 5° below normal. Cool early week warming to 70's and low 80's week-end. Precipitation ranged from less than 0.20 to 0.80 in.

Fieldwork: 5 days suitable. Soil moisture becoming short. Plowing 95% complete. Pasture feed supplies average. Corn 90% planted, 90% last year and normal. Dry beans 10% planted, 15% last year, 10% normal. Soybeans 65% planted, 65% last season, 60% normal. Wheat 5% headed. Oats still not headed. Potatoes 90% planted, 90% last year, 85% normal. Most fruit past petal fall. Main fruit activities spraying and thinning. Spring vegetable planting nearing completion. Asparagus harvest about 67% finished.

MINNESOTA: Temperatures near normal. Extremes: 91 and 31°. Precipitation near normal except southwest 0.50 in. above normal. Precipitation totals between 0.50 and 1.00 in. except for southwest up to 1.50 in.

Planting advanced most areas but midweek rains limited progress. Fieldwork least advanced extreme northern areas. Most emerged fields in good shape. Few alfalfa fields cut in south. Planted: Corn 91%, 1978 95%, normal 95%; soybeans 78%, 1978 80%, normal 86%; spring wheat 84%, 1978 99%, normal 91%; oats 91%, 1978 99%, normal 94%; barley 80%, 1978 99%, normal 89%; flax 53%, 1978 77%, normal 81%; sunflowers 61%, 1978 88%, normal 87%; sugarbeets 96%, 1978 99%, normal 94%; potatoes 56%, 1978 87%, normal 81%; green peas for processing 85%, 1978 94%, normal 97%; sweet corn for processing 60%, 1978 84%, normal 80%.

MISSISSIPPI: Below normal temperatures. Rain statewide.

Soil moisture surplus to excessive northern third and west, adequate to surplus elsewhere. Fieldwork: 1.6 days suitable. Rains slowed planting, other fieldwork. Cotton 99% planted, 99% 1978, 99% average; 89% up to stand, 93% 1978, 90% average; only few fields squaring, same as 1978, 5% average; crop condition fair. Soybeans 37% planted, 58% 1978, 52% average, 25% up to stand, 34% 1978, 37% average. Rice 89% planted, 99% 1978, 97% average; 70% up to stand, 97% 1978, 88% average; condition good to fair. Corn 94% planted, 98% 1978, 93% average; 87% up to stand, 92% average; condition good to fair. Winter wheat good condition; 67% ripe, 57% 1978, 11% harvested, 18% 1978, 27% average. Peanuts 82% planted, 93% 1978. Sorghums 56% planted, 64% 1978, 58% average. Sweetpotatoes 58% planted, 74% 1978, 66% average. Hay crops 18% harvested, 25% 1978, 24% average. Pastures good condition, peaches good to fair condition. Supplies of diesel and gasoline adequate to tight, LP gas supplies adequate.

MISSOURI: Temperatures 1° below normal Bootheel, 2 to 4° below normal elsewhere, Precipitation less than 0.10 in. Heavier rains only with scattered thunderstorms.

Fieldwork: 5.0 days suitable. Corn 91% planted, last year 38%, normal 87%. Grain sorghum 58% planted, last year 28%, normal 57%. Soybeans 52% planted, last year 24%, normal 56%. Alfalfa hay 1st cutting 52% complete, last year 27%, normal 57%. Wheat 91% headed, last year 73%, normal 100%. Wheat 15% turning color, last year 26%, normal 64%. Condition of wheat and pasture mostly fair to good. Soil moisture supplies mostly short to adequate in north and central, adequate to surplus south. LP gas supplies mostly adequate. Diesel,

fuel and gasoline supplies mostly tight to adequate. Cotton 91% planted, last year and normal 100%.

MONTANA: Substantial precipitation fell over south early week. Snow fell over much of southwest. North central and west received little if any precipitation. Temperatures 2 to 7° below normal. Beginning and end of week warm but cool midweek.

Soil moisture mostly adequate. Fieldwork: 5 days suitable. Winter wheat fair condition; 10% in boot, 20% 1978, 35% average. Spring wheat planted 95%, 80% 1978, 95% average. Barley planted 95%, 80% 1978, 95% average. Oats planted 85%, 80% 1978, 90% average. Corn planted 65%, 50% 1978, 80% average. Potatoes planted 70%, 50% 1978, 75% average. Dry beans planted 80%, 90% 1978, 80% average. Spring wheat and barley emerged 60%. Cattle moved to summer ranges 75%, sheep to summer ranges 80%, both near normal.

NEBRASKA: Dry southeast. Precipitation averaged 0.50 in. elsewhere except southwest with 1.35 in. Temperatures near normal.

Corn planting 100%, year ago 100%, normal 95%; emergence 70%, year ago 80%. Sorghum planting 75%, year ago 55%, normal 75%; emergence 30%, year ago 25%. Soybean planting 75%, year ago 55%, normal 75%; emergence 20%, year ago 25%. Wheat condition fair to good; jointing 90%, year ago 95%; heading 35%, year ago 65%. Diesel deficit 5%, tight 65%, adequate 30%. Gasoline deficit 5%, tight 35%, adequate 60%. LP gas adequate. Fieldwork: 5.6 days suitable. 5.6 average.

NEVADA: Temperatures above normal beginning and end of period. Extremes: 98 and 20°. Gusty winds with little, if any, precipitation.

Crops benefited by slightly warmer weather. Second cutting alfalfa hay well along southern valleys. Lambing farm flocks and shearing about completed. Calving and lambing range areas nearing completion. LP gas, diesel fuel, gasoline rated mostly adequate, some tight.

NEW ENGLAND: Wet weather first half of week. Portland, Maine, set new May record of 14 consecutive days of precipitation. Rainfall averaged 1.00 to more than 2.00 in. northern areas. Moderate to severe thunderstorms, some with damaging hail, southern areas 30th. Especially fine weather late week. Temperatures subnormal early week, then warmer.

Fieldwork halted by continual rains. Soil moisture surplus. Some crop damage from heavy rains and hail. Silage, and hay harvest will resume when fields dry. Cranberry development ahead of normal. Early strawberries will be ready soon. Some winter damage to peaches showing up. Fuel supplies adequate, Maine, New Hampshire, and Vermont; adequate to tight elsewhere.

NEW JERSEY: Temperatures generally near normal. Rainfall 0.97 in. north, 2.25 in. central and 2.19 in. south. Soil moisture in percent of field capacity 94% north, 95% central and 91% south. Soil temperature 66° north, 68° central and south.

Fieldwork: 2 days suitable. Frequent rain continued to interrupt schedules. Vegetable harvest increasing slowly. Planting of field corn, snap beans, lima beans, peppers and eggplant delayed by weather. Strawberry production hurt by wet conditions. Barley, oats, rye and wheat prospects good. Barley coloring and wheat heading. Much rye cut for straw rained on. Hay growth heavy. Too wet to make hay. Field corn and soybean planting delayed. Some recent plantings eroded and

low areas drowned out. LP gas and diesel supplies adequate. Gasoline supplies adequate to tight.

NEW MEXICO: Very wet with rain totals to more than 2.00 in. a few places. Driest areas southern desert and southwest. Temperatures 2 to 4° cooler than normal with persistent cloudy weather. Rainfall for May well above normal statewide.

Farm operations interrupted by rains. Cotton planting 95% complete. Alfalfa 1st cutting 90% complete in south, and 2d cutting active in far south. Wheat and barley good. Grain sorghum and corn planting still in progress. Chile, onions, lettuce, and pecans good. Light onion harvest started. Lettuce harvest winding down. Peanut planting started.

NEW YORK: Temperatures near normal. Rainfall heavy along eastern edge, near normal elsewhere.

Rain delayed fieldwork. Corn 80% planted, 1978 same. Some fields yellowing. Oat planting about done. Wheat condition good. First cutting hay starting. Onion planting nearly complete. Sweet corn planting 50%, 60% 1978. Long Island strawberry harvest beginning. Some hail damage to fruit and vegetables in Schenectady, Columbia and Rensselaer Counties.

NORTH CAROLINA: Temperatures near normal. Precipitation: Thundershowers, 0.75 to 2.00 in.

Fieldwork: 3.0 days suitable. Soil moisture adequate to surplus. Condition of wheat, oats, barley, Irish potatoes, pasture and peaches fair to mostly good. Cotton, corn, vegetables and tobacco fair to good. Planted: Flue-cured tobacco 97%, 1978 94%, average 100%; burley tobacco 63%, 1978 27%, average 60%; soybeans 57%, 1978 47%, average 62%; peanuts 76%, 1978 95%, average 100%; sweetpotatoes 60%, 1978 56%, average 64%; sorghum 56%, 1978 50%, average 59%. Harvested: Cabbage 23%.

NORTH DAKOTA: Frequent showers with rain most areas. Amounts largest in north central and north-east. Maximum of 1.70 in. northeast; elsewhere between 0.25 and 0.75 in. except south central less than 0.20 in. Temperatures about normal. Extremes: 31° southwest to 89° west central and southeast.

Farmers made good progress with planting despite showers. Small grain seeding could be complete with week of favorable weather. Wild oats and other weeds major problem. Emerged grain good condition. Planting progress: Hard red spring wheat 83%, 93% 1978, 89% average; durum wheat 74%, 89% 1978, 85% average; oats 80%, 90% 1978, 88% average; barley 81%, 93% 1978, 88% average; potatoes 65%, 96% 1978, 80% average. Sugarbeet planting completed as it was last year.

OHIO: Light rainfall north, ranging from 0 to 0.25 in., southern third received 0.25 up to 1.25 in. Temperatures a few degrees lower than normal, ranging from a low of 40° to a high of 87°. Growing degree days 80% of normal. Soil temperatures stayed rather cool, bare soil reading range was upper 50's to low 70's.

Excess soil moisture and below normal temperatures injured warm season vegetable crops and slowed crop development. Some cucumbers will be replanted north. Corn yellow but stands look good. Most of acreage in four leaf stage. Small grains slow in developing. Wheat heading few areas north. Condition still good. Harvest of strawberries, radishes, and cabbage underway. Corn planted 100%, 80% 1978, 95% average. Soybeans planted 85%, 60%

1978, 80% average. First crop alfalfa cut 30%, 25% 1978, 30% average. Wheat headed 65%, 55% 1978, 80% average. Oats headed 5%, 5% 1978, 15% average. Tobacco transplanted 25%, 10% 1978, 25% average. Corn emerged 85%. Fieldwork: 2.5 days favorable. Pasture condition very good. Soil moisture adequate to surplus.

OKLAHOMA: Temperatures 2 to 7° below normal. Rain all areas, and for second week in a row, heaviest rains in southeast. Rainfall ranged from 0.33 in. central to 2.22 in. southeast.

Wheat harvest week to 10 days away; 60% soft dough or later, 60% 1978, 85% average. Cotton 35% planted, 45% 1978, 55% average; 20% up to stand, 25% 1978, 20% average. Sorghum 45% planted, 45% 1978, 50% average; 20% up to stand, 25% 1978, 20% average. Fieldwork: 4.2 days suitable.

OREGON: Temperatures near seasonal normal west, 3 to 6° below normal east. Maximum temperatures ranged from mid-70's to mid-80's; a few spots in lower 90's. Minimum temperatures generally in 30's and lower 40's; some higher valleys in east dipped in upper 20's. Rainfall confined to west. North coast reported 0.75 in.; northwest interior valleys received 0.20 in.; elsewhere west 0.10 in. or less.

Soil moisture short to adequate, rain needed. Winter wheat 78% headed. Haying and silage making continuing at a rapid pace with open weather; good quality being made. Mint fields making good growth except some fields in Hermiston area and upper Willamette Valley. Weed and insect spraying continuing on alfalfa, small grains and grasses. Irrigation underway. Strawberry harvest underway, crop looks good, shortage of pickers until school is out. Fruit reported in good condition. Major vegetable plantings near completion; crops look good. Potato planting virtually complete, crop developing well. Livestock, pastures, and ranges in good condition. Cattle moving to high ranges. Potatoes planted 98%, 1978 100%, normal 100%.

PENNSYLVANIA: Second consecutive week of cool, cloudy and wet conditions with humidity remaining high throughout period. Temperatures mostly 2 to 4° below normal with daily maxima mostly 60's and 70's and minima 40's to 60's. Extremes: 86 and 34°. Rainfall from less than 0.25 in. central and north central to 0.75 in. west and more than 1.00 in. southeast.

Fieldwork: 1 day suitable. Soil moisture surplus. Activities: Spraying; planting corn, potatoes, and soybeans; mowing and ensiling hay. Soybeans 43% planted, last year same. Potatoes 91% planted, last year 88%. Corn 81% planted, last year 74%, normal 86%. Barley 80% headed, 20% boot; last year 56% headed. Wheat 71% headed, 24% boot; last year 36% headed. Hay condition good. Alfalfa first cut 8%, 75% for silage. Quality poor. Feed from pastures average. Mildew and rot in strawberries.

PUERTO RICO: Island average rainfall 3.25 in. or 1.48 in. above normal. Temperatures averaged about 79° on coasts and 74° interior. Extremes: 92 and 50°.

SOUTH CAROLINA: Temperatures below normal first of week then above normal. Scattered showers, thundershowers much of week.

Soil moisture mostly surplus. Fieldwork: 3 days suitable. Corn condition fair to good, 4% silked, 4% last year; fertilization hampered by continuous wet condition; armyworms, European corn borer identified. Cotton fair to good condition, 1% squaring; insecticides applied; cool, wet condi-

tions slowing development; some sand damage due high winds. Tobacco fair to good condition, 4% topped; flecking, blue mold spread favored by wet weather. Soybean planting 71% complete, 63% last year, 64% average; active wherever weather permits; armyworms, cyst nematode reported; weeds growing fast where unable to enter fields. Excellent size, quality peaches being harvested, plentiful rainfall has promoted maximum growth, size; 3% harvested, 1% last year; few acres severe to 1,000 acres light hail damage; cullage remains light; peak volume late June or early July. Rains slowing small grain, hay harvest. Harvest of snap beans 55% complete, all cucumbers 37%, cabbage 85%. Condition good except snap beans poor in one minor production region. Harvesting tomatoes in coastal region to begin this week.

SOUTH DAKOTA: Temperatures freezing to mid-90's. Averages 2° subnormal to 2° above. Precipitation heaviest east (0.50 to 1.00 in.); central and west, 0.25 to 0.50 in.

Topsoil moisture short west, adequate elsewhere. Fieldwork: 4.5 days suitable. Increasing reports of tight fuel supplies, especially diesel. Flax 78% planted, 1978 67%, average 87%. Corn planted 89%, 1978 79%, average 91%. Soybeans 60% planted, 1978 54%, average 73%. Sorghum 47% planted, 1978 32%, average 50%. Sunflowers 32% planted, 1978 25%. Winter wheat 42% boot, 1978 74%, average 75%. Rye 58% boot, 1978 90%, average 88%. Oats 6% boot, 1978 97%, average 20%. Spring wheat 4% boot, 1978 7%, average 19%. Barley 3% boot, 1978 7%, average 18%.

TENNESSEE: Rainy; amounts 0.50 to 4.00 in. west, 1.00 to 5.50 in. east. Temperatures near normal.

Soil moisture surplus. Fieldwork: 1.6 days suitable. Corn 86% planted, 1978 88%, average 87%. Cotton 98% planted, 1978 99%, average 98%. Soybeans 23% planted, 1978 44%, average 50%. Tobacco 56% transplanted, 1978 48%, average 70%. Wheat turning color 47%, 1978 47%, average 65%. Wheat ripe 3%, 1978 2%, average 10%. Oats turning color 41%, 1978 37%, average 57%. Oats ripe 3%, 1978 5%, average 8%. Barley turning color 58%, 1978 59%, average 85%. Barley ripe 3%, 1978 9%, average 23%. First cutting alfalfa 87% complete, 1978 78%, average 85%. Snap bean planting halted by rain. Cutworms infesting tomatoes. Fuel supplies adequate.

TEXAS: Moist unstable air early week caused showers west, some eastern areas. Slow cold front became stationary late week with heavy rains east, southeast, south central. Drier air moved southward weekend. Temperatures below normal northwest, northeast, east, elsewhere near normal. Rain east 3.00 in. above normal, 2.00 in. above normal south central, slightly above normal west, Panhandle, western north Texas.

Field operations slowed by heavy rains. Above average rainfall hampered harvesting in central and south, slowed ripening on Plains. Fuel supplies generally tight to adequate. Many farmers concerned over availability of diesel during wheat harvest. Cotton planting made good progress on Plains. Heavy rains throughout Panhandle caused concern some replanting may be necessary. Planting on Cross-Timbers, where farmers are trying to establish uniform planting dates. Insect activity remains minimal statewide. Some thrip damage on High Plains. Boll weevil control noted in south and lower Rio Grande Valley. Sorghum planting centered on Plains and Cross-Timbers. Crop 25% headed. Wheat harvest slowed by rains. Lodging problems minimal, even though most wheat producing areas received moderate to heavy rains. Most of

Plains crop 2 to 3 weeks from harvest. Earlier planted soybean fields emerged on High Plains. Wet conditions continued to hamper plantings along coast. Hay cuttings continue to show good yields. Peanut planting increased in Cross-Timbers. Good stands of earlier planted peanuts noted. Cotton planted 72%, 76% 1978, 84% average; squaring 11%; setting bolls 4%. Rice planted 100%, 100% 1978, 100% average; emerged 93%. Sorghum planted 82%, 85% 1978, 85% average; headed 24%; turning color 6%. Wheat headed 100%; turning color 56%; harvested 4%, 1978 6%, average 14%. Barley harvested 14%, 1978 1%, average 15%. Flax harvested 83%, 1978 91%, average 81%. Oats harvested 27%, 1978 34%, average 36%. Peanuts planted 36%, 1978 35%, average 44%. Soybeans planted 30%, 1978 33%, average 49%. Sunflowers planted 25%, 1978 5%, average 33%.

Harvests of cabbage, squash, bell peppers, cucumbers and melons active. Land preparation fall onions and bell peppers underway. Citrus fruit developing well; managers increased irrigation and spraying activities. Growth most vegetables slowed due to cool nights and wet conditions east. Peach harvest continued South Texas, Hill Country, into East Texas. Brown rot a problem central due to cloudy, wet weather. Pecan producers South Texas through Central and North Texas continued casebearer control.

Pastures and ranges improve with recent rains. North Texas native grasses recovering from hard winter. Haying activities slowed by wet weather. Statewide, livestock range good to excellent. Dry weather a problem some areas South Texas, and Lower Valley, decreasing forage production.

UTAH: Recurring scattered showers forepart of period. Local snow extreme north early in period. Accumulated amounts moisture generally light to moderate. Temperatures ranged between 5° below and 2° above normal. Local frost damage early in period sections northwest and west central.

Some hail damage to crops in local areas. Spotted freeze damage to fruit. Range and pasture generally good but stressed by cold and lack of rain in north. Fieldwork: 6 days suitable. Winter wheat about 45% jointing; 45% in boot; 10% headed. Spring barley 55% jointed. Spring wheat 50% jointed and oats 45%. Livestock generally in good condition, some moving to summer range. Fuel supplies generally adequate. Diesel and gasoline tight in some local areas.

VIRGINIA: Moderate temperatures with rather humid conditions. Temperatures in upper 60's or near normal. Extremes ranged from upper 80's to near 40°. Rainfall heavy occurring mostly 28th and again over weekend. Amounts ranged up to several inches with heaviest reported in central sections west of Richmond along east slopes of mountains.

Topsoil moisture adequate to surplus; mostly surplus north, east and southeast. Fieldwork: 2.8 days suitable. Barley 2% combined, 0% 1978, 3% average. Planting progress: Soybeans 25%, 25% 1978, 45% usual; Tidewater and Eastern soybeans 23%, 25% 1978. Tobacco transplanting: Flue-cured 82%, 63% 1978; fire-cured 69%, 23% 1978; burley 34%, 31% 1978; sun-cured 68%, 26% 1978, 65% average. Wet conditions causing rot of first cuts hay, nitrogen to leach especially from corn, drowning of peanuts, soils to erode. Pesticide applications delayed by muddy soils, alternate spraying methods considered. Diseases increasing on small grains. Weeds hindering soybean growth. Aerial spraying for armyworms, potato beetles on Eastern Shore. Fuel supplies mostly adequate with some tightening of diesel in central areas.

WASHINGTON: West: Temperatures near normal to 3° below normal. Precipitation normal to 0.30 in. below normal. Warm, dry weather continued through weekend.

Irrigation active. Vegetable planting neared completion. Green pea seeding should finish next week. Insect numbers high; spraying active. Strawberry harvest underway soon. Raspberry harvest later this month. Hay, silage first cuttings complete in many areas. Pastures showing moisture stress.

East: Temperatures 3 to 7° below normal. Precipitation 0.20 to 0.40 in. below normal. Weather generally dry, warm with scattered rain and night frost midweek.

Conditions ideal for fruit tree growth in Yakima Valley. Cherries beginning to color. First cover sprays for codling moth on trees. Thinning progressing well. Green pea harvest getting underway. Asparagus cutting slowing down. Potatoes making good growth. Alfalfa hay harvest active. Rain needed to relieve moisture stress most areas. Working summerfallow, weeding, swathing hay active. Ranges drying. Livestock on pasture. Wheat headed 36%, 1978 48%.

WEST VIRGINIA: Precipitation above normal; heaviest west. Temperatures below normal. Extremes: 89 and 29°.

Fieldwork: 1.9 days suitable. Soil moisture mostly surplus to adequate. Main activities: Haying and planting corn. Small grains mostly good to fair condition. Oats planted 99%, 90% 1978. Barley 8% prejointed, 28% jointed and 64% headed. Wheat 8% prejointed, 46% jointed and 46% headed. Corn fair to good condition, 79% planted, 60% emerged. Tobacco: Beds 95% emerged, 21% set. Pasture and hay condition mostly good. Some hay getting over-mature for 1st cutting. Fuel supply adequate.

WISCONSIN: Temperatures slightly above normal. Highs in 70's until weekend when reached 80's. Lows mostly 40's and 50's except some 30's beginning of week. Extremes: 87 and 34°. Scattered showers and thunderstorms 29th to 30th, heaviest amounts in excess of 1.00 in. west central. Light rainfall northeast and extreme south. Few scattered showers northwest 31st and 1st. Weekend mostly sunny and warm.

Planting continued but interrupted by midweek rains some areas. Fieldwork: 5 days suitable. Corn 88% planted, 1978 95%, normal 90%. Most areas done planting corn except for wet fields in heavy soils, lowlands, and where a first crop of hay will be removed. Corn development improved with warmer weather. Rain helped germination and herbicide activation on late planted fields. Corn fields being sprayed for weed control. Soybeans 65% planted, 1978 65%, normal 55%. Rain helped germination but need more in south. Small grains doing well. Spring plowing 95% done, 1978 99%, normal 98%. Haying underway except north where growth slow this spring. First crop hay 5% harvested, 1978 5%, normal 3%. Farmers attempting to keep ahead of damage from alfalfa weevils by either spraying or cutting hay early. Pasture conditions normal. Tobacco beds improved with warmer temperatures. Strawberries and early peas in bloom, look good. Apple trees finally blooming north. Sweet corn planting on schedule. Snap beans, lima beans, carrots, and other vegetables being planted. Soil moisture short extreme south, adequate to surplus elsewhere.

WYOMING: Temperatures generally below normal. Maximums high 70's to low 90's; minimums generally low 20's to mid-30's. Precipitation slightly below normal, except Big Horn drainage and Snake drainage. Topsoil and subsoil moisture short to adequate. Acreage planted: Corn 78%; potatoes 87%; dry beans 40%; spring wheat 87%; barley 93%. Acreage emerged:

Spring wheat 72%; oats 76%; barley 82%; sugarbeets 91%; corn 46%; potatoes 33%; dry beans 14%. Sugarbeets 10% thinned. Most spring planted crops up to good stand. Fieldwork: 4 days suitable. Range ewes lambing 90%. Livestock mostly good condition. Supplies of LP gas adequate most areas. Diesel fuel and gasoline tight in some areas.

(continued from page 3)

VEGETABLES: Rains slowed vegetable planting and development in many parts of the eastern half of the Nation. Growers were able to plant some sweet corn, snap beans, lima beans, and carrots. Asparagus harvest advanced to 67% in Michigan; California asparagus was diverted to processors. Harvests of snap beans, cucumbers, cabbage, and tomatoes advanced into the Carolinas. Strawberry bloom advanced into northern production areas. Florida vegetable shipments declined 7% from the previous week; chinese cabbage and eggplant volume increased, while other crops held steady or declined. Cool nights and wet conditions slowed

growth of many Texas vegetables, however, harvests of cabbage, squash, bell peppers, cucumbers, and melons were active in southern areas. California growers harvested carrots, sweet corn, lettuce, strawberries, tomatoes, and melons.

PASTURES AND LIVESTOCK: Pastures generally rated good, although western ranges began drying with the lack of rainfall. Most areas continued to provide normal amounts of forage. Rains slowed hay harvests across the South and the Atlantic Coast States. Cattle rated good as producers moved herds to higher ranges.

World Weather and Crop Update

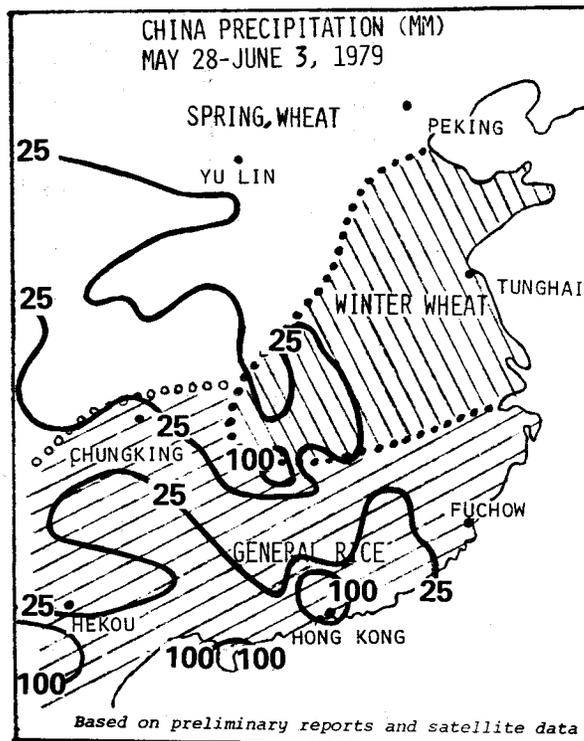
May 28 - June 3

USSR. Winter grains over much of the Ukraine enjoyed fair weather with the only rainfall limited to the western half of the republic. A definite dry area is developing along the Volga River region, where rainfall for the month of May was well below normal---25 to 50 percent of normal. Though temperatures have generally been cool over the area, strong winds and very low humidities have caused a marked increase in the demand for soil moisture. Winds of 25 to 35 mph and humidities in the range of 10 to 20 percent spanned the past several days. Well-above-normal moisture continued to fall over much of the New Lands area except along the southern Urals region, which was dry in May. Rainfall amounts of 10 to 30 mm extended across much of northern Kazakhstan. Spring grains should be off to an excellent start in this area.

CHINA. Much of the winter grains region remained dry for the third consecutive week, which should benefit developing grain in the north as well as harvest operations in the eastern and southeastern sections. In the rice-tea area, the eastern half was dry, but near-normal accumulations of 15 to 40 mm fell in the western half. The double-crop rice region to the south was wet except in northern sections which received less than 20 mm.

AUSTRALIA. Little or no rain fell over the continent except for some light showers in New South Wales. Amounts generally ranged from 1 to 8 mm---well below normal for this time of year.

INDIA-SOUTHEAST ASIA. Much of India was dry except along the southwestern coast where 25 to 80 mm fell. Monsoon activity has not yet begun, although the arrival of the monsoon should occur momentarily. Bangladesh stayed dry prompting growing concern over the lack of moisture the past several weeks. Typical rainshower activity is picking up over much of Southeast Asia, where 40 to 100 mm dampened much of Laos, Burma, and Thailand.



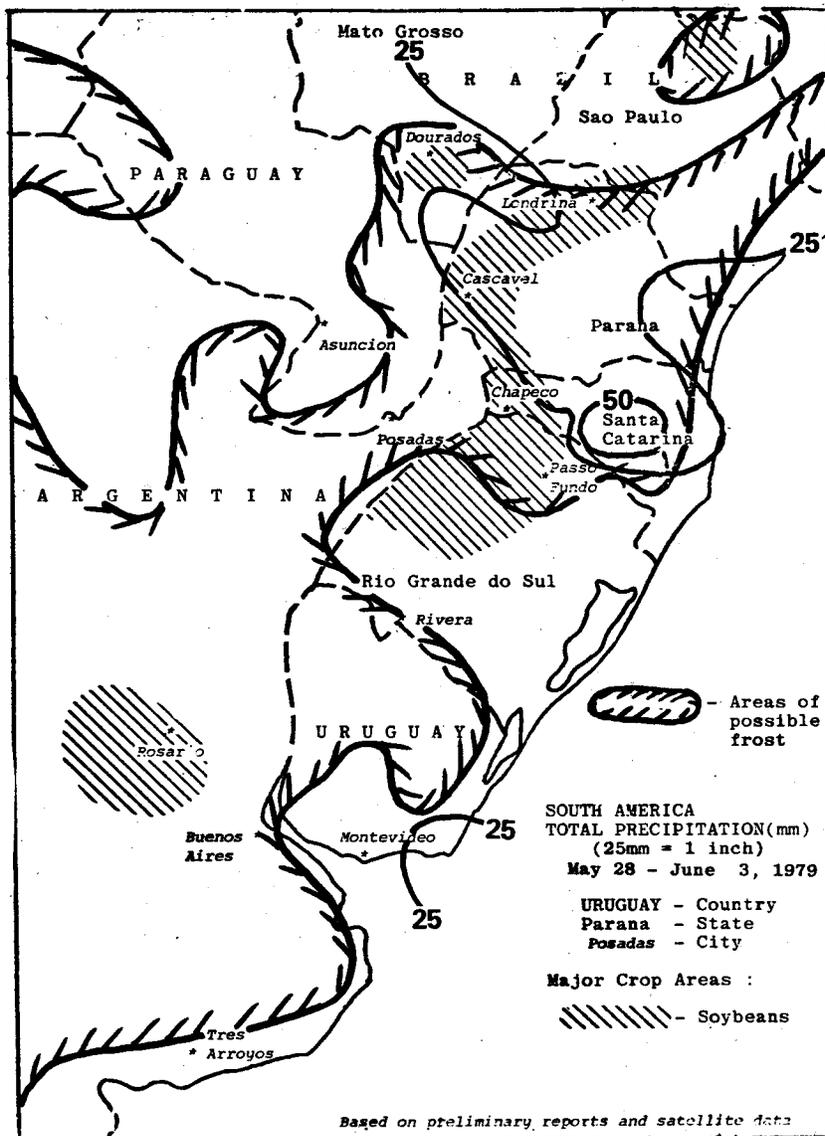
AFRICA. Near-normal to above-normal rainfall (25 to 75 mm) extended over much of central Africa, including most of the Sahelian countries; rain fell heaviest along the coast. However, areas to the north and the south were generally dry. No moisture fell in the western Sahelian countries. However, this area has received good rains the preceding two weeks.

EUROPE. Growing conditions were generally favorable over most of Europe. France received 5 to 25 mm which is near to below normal. Much of southern and eastern Europe stayed well below normal, generally ranging from 0 to 10 mm. Little or no rain fell along the Mediterranean, where precipitation has been well below normal most of May. While conditions have been favorable for the harvest of winter grains, dryness may start to hurt the area unless good rains occur in the near future.

SOUTH AMERICA. Brazilian coffee became a major concern this past week as freezing temperatures

on the morning of June 1 affected a number of producing areas. Parts of Minas Gerais and Sao Paulo were hardest hit with lighter damage in Parana, including scattered frost in the area around Londrina. Concern is greatest for the young trees which were planted after 1975 and scheduled for production in 1980. Experts are attempting to assess the impact, but it appears damage will be relatively light. Little or no precipitation fell anywhere in southern Brazil or Argentina.

MEXICO. The usual late spring rainfall increase has lagged this year in the major exporting production areas. This has generally helped vegetables but caused soil moisture shortages in some northeastern citrus orchards. Dry weather continued this week in the Culican tomato and west coast vegetable fields. A few sprinkles dotted the Zamora-Irapuato strawberry region, and light showers were scattered across the northeastern citrus belt. Temperature maxima averaged 28° to 34°C; minima were 15° to 20°C except 20° to 25°C in coastal sections.



Heating Degree Days (Base 65° F.)

May 1979

ALA. Birmingham	34	MAINE, Caribou	326	OKLA. Okla. City	81
Mobile	4	Portland	311	Tulsa	47
Montgomery	9	MD. Baltimore	75	OREG. Astoria	334
ALASKA, Anchorage	454	MASS. Boston	149	Burns U.	350
Barrow	1394	Chatham	278	Medford	223
Fairbanks	463	MICH. Alpena	443	Pendleton	184
Juneau	528	Detroit	291	Portland	162
Nome	714	Flint	291	Salem	249
ARIZ. Flagstaff	524	Grand Rapids	264	PA. Allentown	125
Phoenix	0	Houghton Lake	396	Erie	369
Tucson	20	Lansing	289	Harrisburg	123
Winslow	156	Marquette U.	577	Philadelphia	38
Yuma	0	S. Ste. Marie	477	Pittsburgh	219
ARK. Fort Smith	54	MINN. Duluth	549	Scranton	222
Little Rock	35	Internatl Falls	580	R. I. Providence	162
CALIF. Bakersfield	8	Minneapolis	307	S. C. Charleston	2
Eureka U.	374	Rochester	319	Columbia	27
Fresno	34	St. Cloud	438	Greenville	15
Los Angeles U.	46	MISS. Jackson	20	S. DAK. Aberdeen	389
Red Bluff	41	Meridian	15	Huron	374
Stockton	27	Vicksburg U.	--	Rapid City	362
San Diego	20	MO. Columbia	94	Sioux Falls	321
San Francisco	148	Kansas City	115	TENN. Chattanooga	42
COLO. Denver	313	St. Louis	80	Knoxville	46
Grand Junction	192	Springfield	132	Memphis	23
Pueblo	247	MONT. Billings	235	Nashville	57
CONN. Bridgeport	114	Glasgow	455	TEX. Abilene	55
Hartford	81	Great Falls	417	Amarillo	144
D. C. Washington	30	Havre	392	Austin	10
FLA. Apalachicola	4	Helena	359	Beaumont	0
Ft. Myers	0	Kalispell	405	Brownsville	0
Jacksonville	3	Miles City	368	Corpus Christi	0
Key West	0	Missoula	389	Dallas	--
Daytona Beach	0	NEBR. Grand Island	258	Del Rio	0
Miami	0	Lincoln	197	El Paso	26
Orlando	0	Norfolk	248	Fort Worth	29
W. Palm Beach	0	North Platte	259	Galveston U.	2
Tallahassee	13	Omaha	199	Houston	2
Tampa	0	Valentine	326	Lubbock	45
GA. Atlanta	16	NEV. Ely	400	Midland	34
Augusta	15	Las Vegas	18	San Angelo	34
Macon	7	Reno	247	San Antonio	4
Savannah	1	Winnemucca	205	Victoria	6
IDAHO, Boise	241	N. H. Concord	280	Waco	30
Lewiston	190	N. J. Atlantic City	113	Wichita Falls	47
Pocatello	320	Trenton U.	98	UTAH, Milford	317
ILL. Cairo U.	61	N. MEX. Albuquerque	100	Salt Lake City	196
Chicago	208	Roswell	51	VT. Burlington	224
Moline	172	N. Y. Albany	188	VA. Lynchburg	83
Peoria	194	Binghamton	325	Norfolk	52
Rockford	245	Buffalo	285	Richmond	44
Springfield	119	New York	94	Roanoke	88
IND. Evansville	106	Rochester	310	WASH. Colville	289
Fort Wayne	198	Syracuse	242	Omak	--
Indianapolis	170	N. C. Asheville	71	Quillayute	383
South Bend	241	Charlotte	30	Seattle-Tacoma	235
IOWA, Burlington	167	Greensboro	52	Spokane	312
Des Moines	163	Hatteras R.	32	Walla Walla U.	119
Dubuque	247	Raleigh	43	Yakima	178
Sioux City	255	Wilmington	5	W. VA. Beckley	175
KANS. Concordia	164	N. DAK. Bismarck	463	Charleston	125
Dodge City	175	Fargo	455	Huntington	110
Goodland	269	Williston U.	495	Parkersburg U.	152
Topeka	129	OHIO, Akron-Canton	288	WIS. Green Bay	389
Wichita	104	Cincinnati U.	179	Madison	283
KY. Lexington	110	Cleveland	290	Milwaukee	322
Louisville	94	Columbus	185	WYO. Casper	479
LA. Baton Rouge	5	Dayton	166	Cheyenne	459
Lake Charles	0	Toledo	259	Lander	415
New Orleans	2	Youngstown	310	Sheridan	442
Shreveport	11				

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

(continued from page 2)

Tennessee, Memphis, Jackson, and Knoxville chalked up one to 3 inches. London, southern Kentucky, posted more than 2 inches.

Texas failed to escape rain---Victoria, south-eastern Texas, received more than 2 inches. Further south, Alice, Tex., noted an inch and one-half.

IMMEDIATE - U. S. Weather Report

This Report Will be Treated in All Respects as Letter Mail

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SEEDING PROGRESS
 FOR WEEK ENDING JUNE 3

SOYBEANS			
	1979	1978	AVG.
ALA	68	61	63
ARK	18	54	49
GA	73	69	62
ILL	81	48	69
IND	80	35	65
IOWA	90	73	80
KANS	35	30	35
KY	32	34	46
LA	67	71	66
MICH	65	65	60
MINN	78	80	86
MISS	37	58	52
MO	52	24	56
NEBR	75	95	75
NC	57	47	62
OMIO	85	60	80
SC	71	63	64
TENN	23	44	50
18 STATES	65	54	65

THESE 18 STATES PRODUCED 95% OF THE 1978 SOYBEAN CROP.

WINTER WHEAT HEADED			
	1979	1978	AVG.
CALIF	100	NA	NA
COLO	43	NA	NA
IDAMO	0	0	0
ILL	92	75	95
IND	80	45	NA
KANS	90	95	95
MO	91	73	100
MONT	0	0	0
NEBR	35	65	NA
OMIO	65	55	80
OKLA	100	100	100
OREG	78	NA	NA
S DAK	0	0	0
TEX	100	NA	NA
WASH	36	68	NA

NA NOT AVAILABLE

CORN			
	1979	1978	AVG.
COLO	92	98	97
GA	100	100	100
ILL	98	80	91
IND	98	80	85
IOWA	100	91	95
KANS	95	90	95
KY	80	84	90
MICH	90	90	90
MINN	91	95	95
MO	91	38	87
NEBR	100	100	95
NC	100	100	100
OMIO	100	80	95
PA	81	74	86
S DAK	89	79	91
VA	100	100	100
WISC	88	95	90
17 STATES	98	89	94

THESE 17 STATES PRODUCED 93% OF THE 1978 CORN CROP.

RICE			
	1979	1978	AVG.
ARK	82	95	94
CALIF	97	95	NA
LA	99	100	100
MISS	89	99	97
TEX	100	100	100
5 STATES	93	98	98

THESE 5 STATES PRODUCED 99% OF THE 1978 RICE CROP.

RICE EMERGED			
	1979	1978	AVG.
ARK	NA	NA	NA
CALIF	79	NA	NA
LA	98	NA	NA
MISS	70	97	88
TEX	93	NA	NA

17 LESS THAN 5%

COTTON			
	1979	1978	AVG.
ALA	100	100	100
ARIZ	100	NA	NA
ARK	97	99	98
CALIF	100	100	NA
GA	100	NA	NA
LA	100	100	95
MISS	99	99	99
MO	91	100	100
N MEX	95	NA	NA
N C	100	100	100
OKLA	35	45	55
SC	100	100	100
TENN	98	99	98
TEX	72	76	84
14 STATES	91	87	91

THESE 14 STATES PRODUCED 99% OF THE 1978 COTTON CROP.

GRAIN SORGHUM			
	1979	1978	AVG.
COLO	44	48	50
KANS	40	30	40
MO	58	28	57
NEBR	75	55	75
OKLA	45	45	50
S DAK	47	32	50
TEX	82	85	85
7 STATES	62	55	63

THESE 7 STATES PRODUCED 92% OF THE 1978 GRAIN SORGHUM CROP.

SPRING WHEAT			
	1979	1978	AVG.
IDAMO	100	100	100
MINN	84	99	91
MONT	95	80	95
N DAK	83	93	89
S DAK	100	100	100
5 STATES	86	91	90

THESE 5 STATES PRODUCED 95% OF THE 1978 SPRING WHEAT CROP EXCLUDING DURUM.