

Weekly Weather & Crop Bulletin

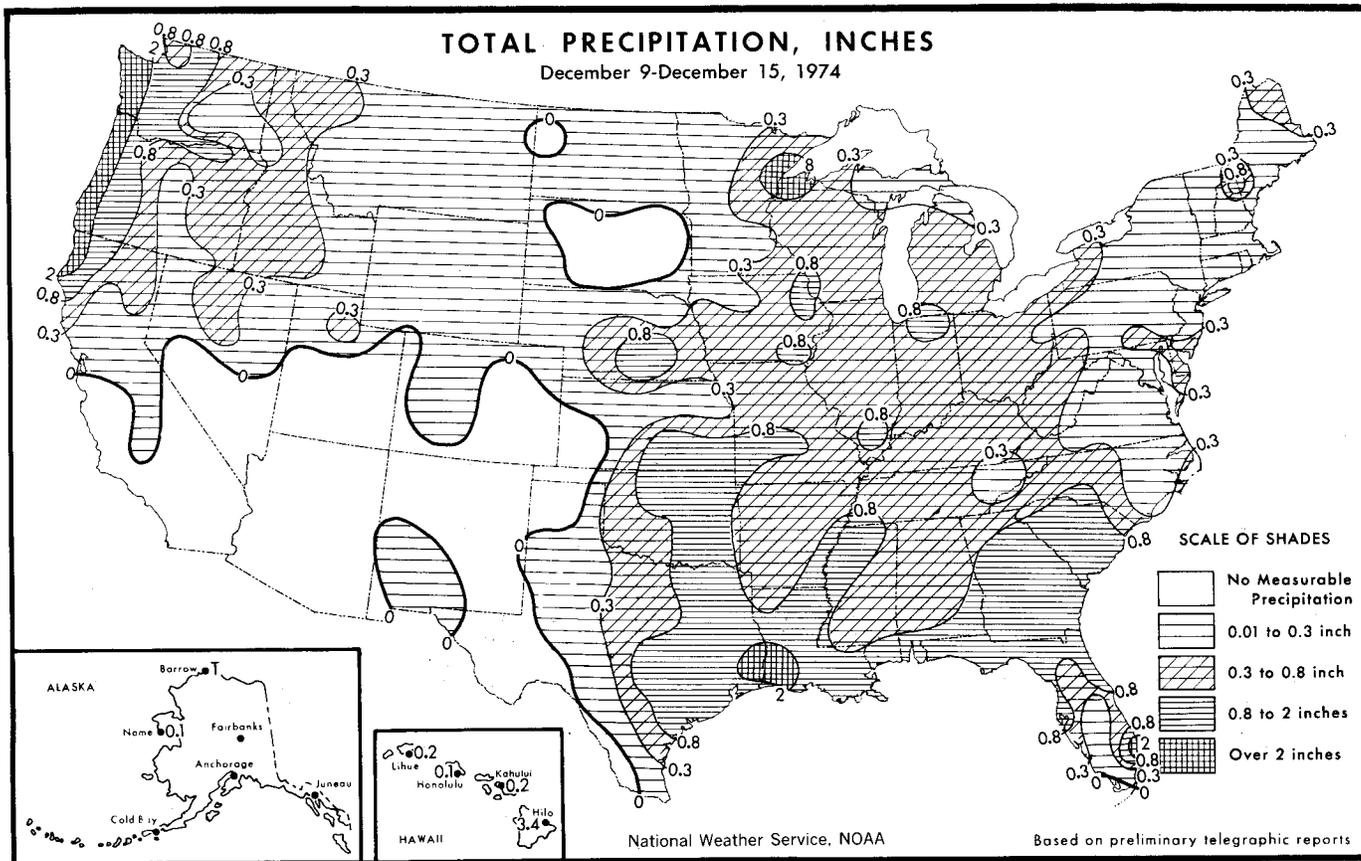
U. S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration

U. S. DEPARTMENT OF AGRICULTURE
Statistical Reporting Service

Volume 61, No. 51

Dec. 17, 1974

Washington, D. C.



NATIONAL WEATHER SUMMARY

For the Week of December 9-15

HIGHLIGHTS: A series of weather systems moving through southern Canada spread warm Pacific air over the northern tier states and central Great Plains during the week. The greatest departure occurred in the north central States where average weekly temperatures were 12 to 13° above normal.

A low pressure center formed in the northwest Gulf of Mexico late Tuesday triggering widespread rains across the south and Southeastern States before drifting off the Central U.S. Coast on Friday.

PRECIPITATION: The series of weather systems moving through southern Canada produced heavy rains along the Pacific Northwest Coast. Rains measuring 3.00 to 4.00 in. fell along the Washington Coast, with lesser amounts reported along the Oregon and California Coasts.

Elsewhere heavy precipitation, associated with the low over the Gulf of Mexico, soaked

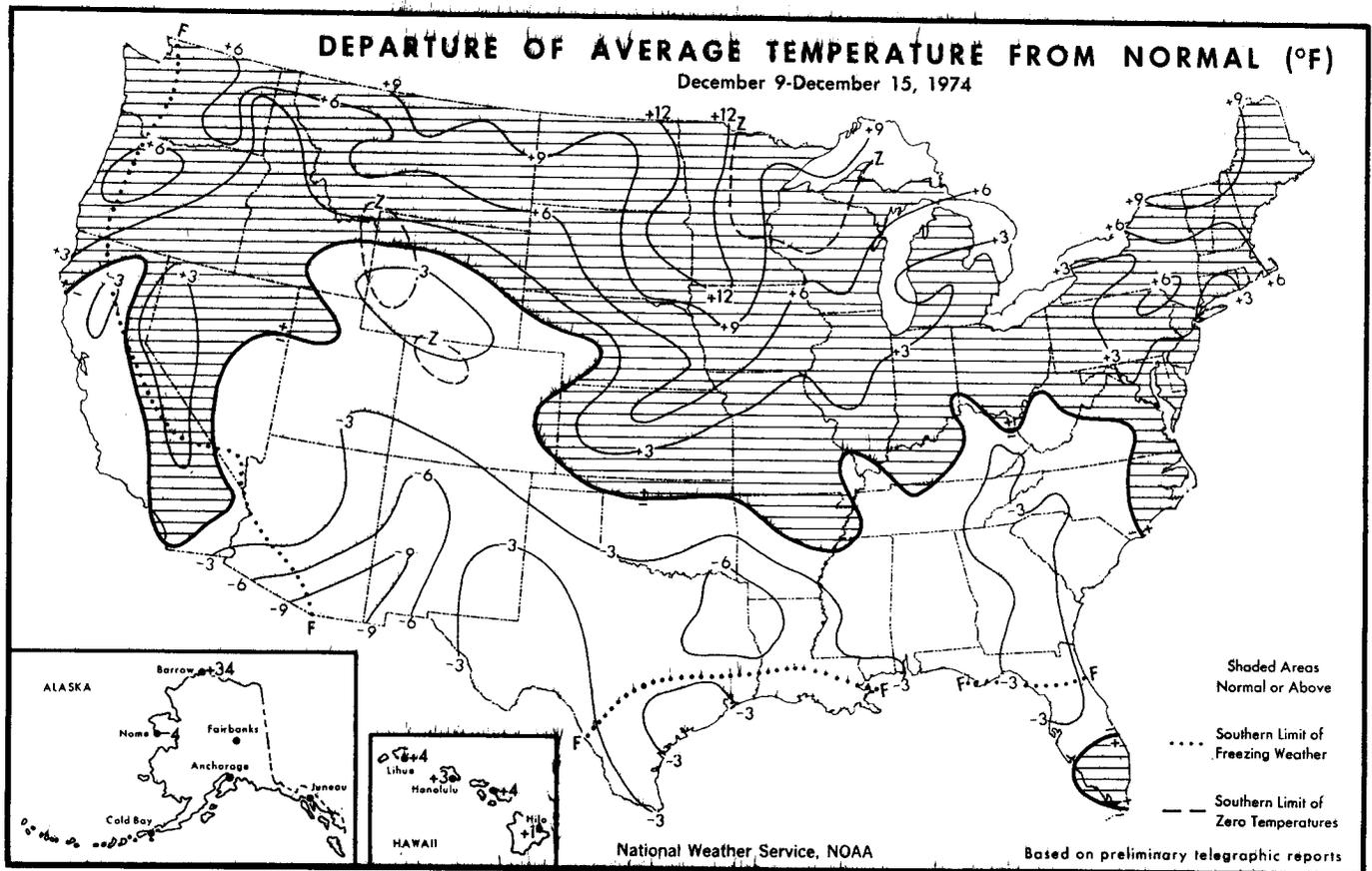
the South and Southeast with rains averaging over 1.00 in. This spread rain as far north as southeastern Kansas.

Monday, another in a series of northern Pacific weather fronts triggered rain on the Washington Coast.

A slow moving storm system triggered rain, drizzle and snow across Texas, New Mexico and Oklahoma on Tuesday.

Wednesday, a complex storm system from the Gulf Coast moved northeastward into Texas and northern Louisiana. Snow fell over Oklahoma and Kansas with rain and thundershowers reported over the mid and the lower Mississippi Valley. Early morning snowfall amounts included: 4 in. at Hobart, Okla., 2 in. at Oklahoma City, Okla. and 1 in. at Wichita, Kansas.

A wintery storm system stretching across the northern U.S. produced rain over parts of the lower northeast and snow over New England, the



northern Plains and the upper Great Lakes on Thursday. Minot, N.Dak. reported 3 in. with 2 in. accumulations reported at Bemidji, Minn. and Rumford, Maine.

Friday, another low pressure center triggered snow over the extreme northern Mississippi Valley and the western Great Lakes Region. Elsewhere rain and drizzle extended from the southern Great Lakes to the northern and central Appalachians.

A cold front brought clouds and rain to the Pacific Northwest and northern California on Saturday. Around 1.00 in. rain fell during the morning at Eureka, Calif. and Brookings, Ore. while 1 in. of snow covered Boise, Idaho and Winnemucca, Nev.

Nearly 11 in. of snow blanketed parts of Nebraska and northern Kansas on Sunday. Elsewhere, rain and drizzle fell along a cold front trailing from the Low in eastern Iowa into the Central Gulf Coast. During the morning 1.50 in. of rain soaked Columbus, Ga. and over 1.00 in. fell at Macon, Ga. and Pensacola, Fla.

TEMPERATURE: Cold air hovered over the South for the second consecutive week keeping temperatures slightly below normal all week. Sections of Arizona and New Mexico averaged 6 to 9° below normal during the week. In contrast, most of the Nation's northern half experienced above normal temperatures.

Monday, the thermometer reached only 70° in extreme southern Florida and along the extreme southern California Coast, while it remained below freezing from the Great Lakes to the Ohio Valley eastward into the Appalachians and in

portions of the Rocky Mountain Region.

Pre-dawn readings Tuesday, were unusually warm over the northern and Central Plains and northern New England for early December. Readings in the teens were restricted to the upper Great Lakes and the Ohio Valley into the Appalachians with some colder readings in the Rockies. In contrast it was quite chilly along the Gulf Coast with temperatures in the 30's and 40's.

Wednesday, midday temperatures lingered in the 30's and 40's. It warmed into the 50's and 60's in the Gulf Coast States including southeast Texas. Along the Pacific Coast most temperatures remained in the 40's and 50's.

Afternoon temperatures were near normal on Thursday in most places, ranging from the 20's in the north portions of North Dakota and Minnesota to the 80's in south Florida.

Friday, midday temperatures climbed into the 30's and 40's over much of the country. Afternoon temperature extremes for the Nation ranged from 10° at Minot, N.Dak. to 81° at West Palm Beach, Fla.

Minimum temperatures Saturday morning ranged from 1° at Alamosa, Colo. and Ely, Nev. to 69° at Key West, Fla. The afternoon temperatures ranged from the upper teens in northern Maine to the 80's in the extreme southern parts of Texas and Florida.

Sunday, most midday temperatures lingered in the 20's and 30's across the Nation. The Southeast and the Gulf Coast States and Pacific Coast States remained in the 40's and 50's.

NATIONAL AGRICULTURAL SUMMARY

For the Week of December 9 - 15

HIGHLIGHTS: Cotton harvesting in the 11 Southern States advanced 13 points to 82% complete, reflecting excellent progress on the Texas Plains. Harvest of the corn and soybean crops was nearly complete but snow, rain and wet fields over much of the Nation's eastern two-thirds greatly restricted picking and combining remaining acreages. Winter wheat was mostly good but cold and wet weather slowed growth in southern areas.

SMALL GRAINS: Small grains remained in good condition in most areas. Cold, wet weather slowed growth of wheat and oats across Texas and in areas of other southern States. Too much rain caused some wheat to turn yellow in Arkansas.

In Kansas wheat condition was generally good but crop cover was short in some areas. New snow provided cover in portions of Kansas and Nebraska but in South Dakota fall seeded grains were spotty and needed snow cover.

Additional soil moisture is needed for small grains in western growing areas. Montana's winter wheat condition was fair to good. Wind damage was light but snow cover protection was poor. In Washington, winter wheat on annually cropped fields emerged slowly but good stands are expected on late plantings if mild weather continues. Limited seeding of small grains continued in scattered western and southern U. S. localities.

CORN: Wet fields limited harvest progress on the remaining corn acreage. The Illinois crop was 95% harvested, 2 to 3 weeks behind last year but equal the average progress. In Missouri, 92% of the corn was gathered, compared with the usual 90%. Progress of corn harvest in Indiana trailed other Corn Belt States with 86% picked. All other Corn Belt States were complete or near completion.

Outside the Corn Belt, only limited acreages of corn remained for harvest.

COTTON: Cotton harvest for the 11 Southern States advanced 13 points to 82% complete. Excellent harvest in the High and Low Plains of Texas contributed to this good advancement. The Texas crop was 76% harvested compared with 82% in 1973 and the 56% average.

Rains and wet weather from east Texas eastward deteriorated crop quality and limited harvest progress. The Mississippi crop was 88% harvested versus the usual 93%. Arkansas's harvest was 87% done, Missouri 90% and both Alabama and North Carolina were over 95% finished.

In California, cotton harvest and plowdown were ahead of last year. Picking in Arizona proceeded at a maximum pace with over 90% harvested in central and western areas and 70% in the south east. Limited cotton harvest continued in New Mexico.

SOYBEANS: Rain and muddy fields slowed harvest of the remaining soybean fields. Combining neared completion in the Corn Belt and was only slightly behind in the South. In the Corn Belt, Missouri was 92% harvested versus the usual 91%. Kansas and Indiana were 95% done. Combining in other Corn Belt States was virtually finished.

Arkansas's soybean crop was 94% harvested while Mississippi's 91% equaled the usual progress. Harvest in other important southern States was over 95% complete.

OTHER CROPS: Sorghum harvest was practically complete in Texas and Kansas but lagged in Oklahoma with 80% combined. Sorghum in Missouri was 90% harvested against the 92% average. Harvest was active in Arizona.

Sugarbeet harvest was 96% complete in Texas compared with the 76% average. Harvest of sugarcane was in full swing in Florida but slow in Louisiana.

Tobacco stripping was active in Kentucky and nearly all stripped in Tennessee. Kentucky burley prices peaked on the 9th, volume was heavy. Tobacco bed preparation was underway in the Carolinas and Florida.

FRUITS AND NUTS: The Texas citrus harvest continued in full swing. Cool weather aided coloring and quality continued excellent. In California a large lemon crop will come off early. Citrus harvest including navel oranges, grapefruit and tangerines continued in that State. Lemons, tangelos, grapefruit and navel oranges were picked in Arizona. Florida citrus groves improved and were in very good condition.

Pecan harvest was active in Georgia. In Mississippi, 90% of the pecans were harvested versus the usual 92%. Harvest in Texas was interrupted by wet weather.

VEGETABLES: Florida's vegetable harvest included: tomatoes at fall peak; celery, cabbage and carrots sharply increased; cucumbers, sweetcorn and eggplant down. In Texas cabbage, carrot and spinach harvest was active. In the Lower Rio Grande Valley most onions have been planted but thin stands caused some replantings. Red chili and lettuce harvest progressed in Arizona. Vegetables harvested in California included: Broccoli, cauliflower, carrots, celery, lettuce and tomatoes.

PASTURES AND LIVESTOCK: Muddy fields and cold temperatures curtailed grazing of temporary pastures across much of the South and caused increased supplemental feeding. Generally open weather over much of the West favored seasonal grazing. Additional sheep in mountainous areas were moved to lower elevations. Stockwater shortages developed in scattered localities of South Dakota and Montana. Livestock were mostly good to fair.

HOLIDAY PUBLICATION SCHEDULE

The approaching Holiday Season necessitates some changes in our publishing schedule. Vol. 61, No. 52 will be published as usual on December 24. No Bulletin will be published the week of December 31. Vol. 62, No. 1 will be published on January 7, 1975.

Temperature and Precipitation Data for the Week Ending Midnight, l.s.t., Dec. 15, 1974

States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches		States and Stations	Temperature °F		Precipitation Inches	
	Average	Departure	Total	Departure		Average	Departure	Total	Departure		Average	Departure	Total	Departure
ALA. Birmingham . . .	43	-2	.5	-.7	La. Baton Rouge . . .	49	-4	.9	-.3	Youngstown . . .	31	+2	.2	-.4
Mobile . . .	50	-3	1.8	+.4	Lake Charles . . .	51	-4	2.7	+1.3	OKLA. Okla. City . . .	39	-2	.8	+.5
Montgomery . . .	47	-2	.8	-.3	New Orleans . . .	50	-5	1.3	+.1	Tulsa . . .	41	0	1.1	+.7
ALASKA. Anchorage . . .	---	---	---	---	Shreveport . . .	43	-7	.7	-.2	OREG. Astoria . . .	47	+4	3.2	+.8
Barrow . . .	22	+34	T	0	MAINE. Caribou . . .	25	+8	.4	-.2	Burns . . .	31	+2	.6	+.2
Fairbanks . . .	---	---	---	---	Portland . . .	34	+8	.2	-.8	Medford . . .	41	+3	1.2	+.4
Juneau . . .	---	---	---	---	MD. Baltimore . . .	37	+1	.2	-.6	Pendleton . . .	42	+5	.8	+.5
Kodiak . . .	---	---	---	---	MASS. Boston . . .	39	+5	.1	-.9	Portland . . .	46	+5	2.0	+.7
Nome . . .	0	-4	.1	-.1	Chatham . . .	39	---	.1	---	Salem . . .	47	+6	1.7	+.2
ARIZ. Flagstaff . . .	29	-1	0	-.5	MICH. Alpena . . .	28	+4	.3	-.1	PA. Allentown . . .	36	+5	.1	-.7
Phoenix . . .	50	-3	0	-.2	Detroit . . .	30	+1	.8	+.3	Erie . . .	31	+1	.6	-.1
Tucson . . .	43	-9	0	-.2	Flint . . .	30	+2	.5	+.1	Harrisburg . . .	36	+3	.4	-.3
Winslow . . .	31	-3	0	-.1	Grand Rapids . . .	29	+1	.6	+.1	Philadelphia . . .	38	+2	.1	-.7
Yuma . . .	53	-4	0	-.1	Houghton Lake . . .	27	+4	.5	+.1	Pittsburgh . . .	33	+2	.7	+.1
ARK. Fort Smith . . .	39	-3	.3	-.4	Lansing . . .	31	+3	.4	-.1	Scranton . . .	36	+6	.2	-.4
Little Rock . . .	42	0	.4	-.5	Marquette . . .	31	+7	.2	-.3	R.I. Providence . . .	37	+5	.1	-.9
CALIF. Bakersfield . . .	47	-1	T	-.1	Muskegon . . .	31	+2	.6	-.1	S.C. Charleston . . .	49	-1	1.6	+.9
Eureka . . .	52	+3	2.3	+.8	S. Ste. Marie . . .	28	+7	.1	-.4	Columbia . . .	45	-1	1.4	+.6
Fresno . . .	44	-2	T	-.4	MINN. Duluth . . .	24	+8	.8	+.4	Greenville . . .	39	-4	1.2	+.3
Los Angeles . . .	58	0	0	-.5	Internat. Falls . . .	21	+11	.3	+.1	S.D. Aberdeen . . .	31	+13	T	+.1
Red Bluff . . .	44	-3	.2	-.6	Minneapolis . . .	30	+10	.1	-.1	Huron . . .	31	+11	T	-.1
San Diego . . .	57	0	0	-.4	Rochester . . .	29	+9	.4	+.2	Rapid City . . .	31	+4	.1	0
San Francisco . . .	49	-1	T	-.8	St. Cloud . . .	27	+10	.3	-.1	Sioux Falls . . .	33	+12	.1	-.1
Stockton . . .	45	-1	T	-.6	MISS. Jackson . . .	46	-3	.7	-.5	TENN. Chattanooga . . .	38	-3	.3	-.9
COLO. Denver . . .	32	-1	0	-.1	Meridian . . .	46	2	.5	-.8	Knoxville . . .	39	-3	.1	-.9
Grand Junction . . .	29	-1	T	-.1	MO. Columbia . . .	36	+2	.6	+.2	Memphis . . .	44	+1	.8	-.3
Pueblo . . .	32	-2	0	-.1	Kansas City . . .	36	+3	.6	+.2	Nashville . . .	41	0	.4	-.6
CONN. Bridgeport . . .	36	+2	T	-.8	St. Louis . . .	37	+2	.4	-.1	TEX. Abilene . . .	44	-3	.5	+.3
Hartford . . .	32	+3	T	-.9	Springfield . . .	39	+2	.5	-.1	Amarillo . . .	36	-3	T	-.2
D.C. Washington . . .	41	+3	.1	-.6	MONT. Billings . . .	32	+4	.1	0	Austin . . .	49	-4	1.0	+.4
FLA. Apalachicola . . .	55	-1	1.0	+.2	Glasgow . . .	27	+8	.1	0	Beaumont . . .	51	-4	1.6	+.4
Daytona Beach . . .	58	-2	1.9	+1.4	Great Falls . . .	33	+5	.1	0	Brownsville . . .	60	-3	.1	-.2
Ft. Myers . . .	65	0	.4	+.1	Havre . . .	31	+11	T	-.1	Corpus Christi . . .	55	-5	.4	0
Jacksonville . . .	53	-3	1.1	+.5	Helena . . .	31	+7	T	-.1	Del Rio . . .	51	-2	T	-.1
Key West . . .	71	-1	T	-.4	Kalispell . . .	31	+6	.5	+.2	El Paso . . .	40	-5	T	-.1
Lakeland . . .	59	-3	.3	-.2	Miles City . . .	31	+8	.1	0	Fort Worth . . .	45	-4	.7	+.3
Miami . . .	69	+1	T	-.4	Missoula . . .	30	+4	.2	-.1	Galveston . . .	56	-2	.7	-.1
Orlando . . .	59	-3	.2	-.2	NEBR. Grand Island . . .	33	+5	1.0	+.9	Houston . . .	54	-1	1.7	+.8
Tallahassee . . .	50	-3	1.6	+.6	Lincoln . . .	33	+5	.5	+.3	Lubbock . . .	40	-2	.1	0
Tampa . . .	61	-1	1.3	+.8	Norfolk . . .	33	+8	.3	+.2	Midland . . .	44	-2	T	-.1
W. Palm Beach . . .	67	0	2.2	+1.7	N. Platte . . .	27	+1	.4	+.3	San Angelo . . .	46	-3	.1	0
GA. Atlanta . . .	41	-3	1.0	0	Omaha . . .	34	+7	.5	+.3	San Antonio . . .	50	-4	.5	+.1
Augusta . . .	43	-4	1.4	+.6	Valentine . . .	31	+6	T	-.1	Victoria . . .	55	-2	1.5	+1.0
Macon . . .	47	-2	1.3	+.3	NEV. Ely . . .	26	1	.1	0	Waco . . .	45	-5	.8	+.3
Savannah . . .	51	0	.9	+.1	Las Vegas . . .	45	1	0	-.1	Wichita Falls . . .	42	-3	.5	+.2
HAWAII. Hilo . . .	73	+1	3.4	-.4	Reno . . .	37	+4	.1	-.1	UTAH. Blanding . . .	26	-4	T	-.3
Honolulu . . .	77	+3	.1	-.7	Winnemucca . . .	33	+2	.4	+.2	Salt Lake City . . .	31	0	.4	0
Kahului . . .	77	+4	.2	-.4	N.H. Concord . . .	31	+5	.1	-.7	VT. Burlington . . .	33	+9	.1	-.4
Lihue . . .	77	+4	.2	-.2	N.J. Atlantic City . . .	38	+2	.6	-.3	VA. Lynchburg . . .	37	-1	.2	-.6
IDAHO. Boise . . .	34	+1	.5	+.2	Trenton . . .	39	+4	T	-.8	Norfolk . . .	44	+1	.2	-.5
Lewiston . . .	37	+1	.2	-.1	N.MEX. Albuquerque . . .	31	-6	0	-.1	Richmond . . .	39	0	.1	-.7
Pocatello . . .	26	-2	.1	-.1	Roswell . . .	39	1	T	-.1	Roanoke . . .	37	-1	.3	-.4
ILL. Cairo . . .	39	-1	.4	-.5	N.Y. Albany . . .	32	+5	.3	-.4	WASH. Colville . . .	34	+6	.4	-.1
Chicago . . .	33	+4	.6	+.1	Binghamton . . .	30	+4	.2	-.4	Omak . . .	33	+5	.5	+.1
Moline . . .	32	+4	.4	0	Buffalo . . .	32	+3	.4	-.3	Quillayute . . .	45	+4	4.4	+.8
Peoria . . .	33	+4	.5	+.1	New York . . .	39	+3	T	-.8	Seattle-Tacoma . . .	44	+3	1.0	-.3
Rockford . . .	29	+3	.4	0	Rochester . . .	32	+3	.2	-.4	Spokane . . .	32	+2	.4	-.1
Springfield . . .	36	+5	.4	0	Syracuse . . .	32	+3	T	-.7	Walla Walla . . .	44	+6	.5	+.1
IND. Evansville . . .	37	+1	.4	-.4	N.C. Asheville . . .	38	1	.5	-.3	Yakima . . .	36	+4	.2	0
Ft. Wayne . . .	31	+2	.8	+.3	Charlotte . . .	39	-4	1.2	+.4	W.Va. Beckley . . .	32	-1	.2	-.6
Indianapolis . . .	33	+1	.5	-.1	Greensboro . . .	39	-1	.4	-.3	Charleston . . .	35	-2	.5	-.2
South Bend . . .	34	+5	.8	+.2	Hatteras . . .	48	0	.5	-.6	Huntington . . .	38	+2	.4	-.3
IOWA. Burlington . . .	32	+3	.1	-.3	Raleigh . . .	41	0	.3	-.4	Parkersburg . . .	36	0	.5	-.1
Des Moines . . .	34	+8	.6	+.3	Wilmington . . .	48	0	.3	-.5	WIS. Green Bay . . .	28	+6	.5	+.2
Dubuque . . .	29	+5	.5	+.1	N.DAK. Bismarck . . .	23	+6	.1	0	La Crosse . . .	29	+6	.8	+.6
Sioux City . . .	33	+8	.3	+.1	Fargo . . .	26	+12	.1	0	Madison . . .	29	+6	.7	+.3
KANS. Concordia . . .	37	+6	.2	0	Williston . . .	28	+11	T	-.1	Milwaukee . . .	32	+7	.7	+.3
Dodge City . . .	37	+3	T	-.1	OHIO. Akron-Canton . . .	32	+2	.3	-.2	WYO. Casper . . .	25	-2	.1	0
Goodland . . .	32	+1	.1	0	Cincinnati . . .	33	-1	.5	-.1	Cheyenne . . .	27	-3	T	-.1
Topeka . . .	37	+4	.2	-.2	Cleveland . . .	32	+1	.7	+.2	Lander . . .	19	-5	.2	+.1
Wichita . . .	37	+2	1.3	+1.0	Columbus . . .	34	+3	.5	0	Sheridan . . .	29	+3	T	-.1
KY. Lexington . . .	36	0	.6	-.2	Dayton . . .	33	+2	.7	+.2	P.R. San Juan . . .	78	+1	2.3	+1.2
Louisville . . .	38	+2	.4	-.4	Toledo . . .	30	+1	.6	+.1					

Based on 1941 - 70 normals

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

CONDENSED STATE SUMMARIES

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

ALABAMA: Freezing temperatures penetrated to the coast early on Dec. 10th as lows dropped into the teens and low 20s. Ranges were from 15° at Winfield to 29° at Dothan and Mobile. Cloudy 11th and 12th following light rains early on the 11th. Rains on 14th and 15th dropped over 3.00 in. at Frisco City. Most amounts varied from over 1.00 in. in the south to less than 0.50 in. north.

Row crop harvest neared completion. Less than 5% expected cotton, corn and soybean production remained in the field. Harvest of these crops should be virtually complete by year's end. Nearly all small grain acreage seeded and most up to stand. Conditions favorable for growth. Grazing limited and stockmen feeding large amounts of hay as temperatures decline. High cost of concentrates forcing stockmen to increase use of roughages. Roughage supplies adequate.

ARIZONA: Fair, dry weather prevailed. Temperatures subnormal with most sections reporting from 2 to 7° below normal.

Cotton picking maximum volume. Harvest over 90% complete central western areas 70% southeast. Sorghum harvest active central western. Sugarbeets favorable progress. Planting small grains continues. Alfalfa seasonal low. Red chili harvest active Cochise. Fall winter lettuce harvest Yuma. Mixed vegetable activity Maricopa varies from planting to harvesting. Vegetable crops Salt River Valley, Yuma good progress various stages. Navel orange, Orlando tangelos, lemon and limited grapefruit picking Salt River Valley. Lemon, grapefruit harvest active Yuma. Cattle mostly good. Sheep pasturing on alfalfa. Supplemental feeding light. Stock water adequate.

ARKANSAS: Temperatures 8 to 14° below normal. Cold first of week, warm midweek, cool again weekend. Precipitation general, amounts 0.50 in. or less except 1.00 to 1.50 in. southeast.

Fieldwork hampered by wet fields. Soil moisture surplus. Cotton harvest slow, 87% complete. Quality of cotton deteriorating fast. Soybean harvest 94% complete. Wheat 97% sown. Livestock grazing early fields. Some wheat yellow caused by too much rain. Pastures provided adequate forage. Cattlemen feeding hay and supplements. Cattle good.

CALIFORNIA: Precipitation limited extreme northwest 8th, 9th and 13th. Midweek storm gave generally light amounts northern, central areas. Otherwise, generally fair weather except considerable fog Central Valley, some valleys coast range. Temperatures averaged slightly below normal most areas. Lows dropped to 20's northern, central coastal range valleys; other low valleys remained above freezing.

Planting small grains soil conditions permit. Limited acreage milo, corn still standing. Cotton harvest, plowdown ahead last year. Vineyard post-harvest work active. Few wine grapes remain Bakersfield area. Usual post-harvest activities continue most deciduous fruit, nut orchards. Navel orange harvest continues; yield, size vary by area. Overall quality very good. Some excessive leaf drop reported. Grapefruit, tangerine harvests continue, quality good. Lemons sizing quickly, large crop coming off early. Quality good

as avocado harvest continues. Artichoke light. Brussels sprouts complete. Broccoli, cauliflower continue central coast. Carrot digging active, San Joaquin, Imperial, Coachella. Celery increased south coast, central coast nearly complete. Lettuce increasing Imperial decreasing Palo Verde. Potato digging active central coast, delta. Market tomato declining.

Feed conditions vary. Cold weather, lack of continuing rains slowed feed growth some places. Winter feeding beginning extreme north. Supplemental feeding on decrease where vigorous growth has occurred. Most livestock good. Lambing, calving on decline, predator losses increasing problem. Turkey producers in southern San Joaquin Valley preparing for next season's birds. Stock water adequate.

COLORADO: Precipitation generally sparse lower elevations. North and central mountains received 4 to 8 in. new snow. Mean daily temperatures lower elevations ranged 20's to 30's.

Generally mild, open weather lower elevations. Farm activity primarily feeding and care livestock. Livestock mostly good, foraging where feed available. Lower elevation pastures and ranges remain open, need moisture.

FLORIDA: Fair and quite cold early week; lows in mid-30's to upper 20's through citrus belt. By mid-period, moisture and warmer temperatures returned, bringing mild, showery weather over State. Temperatures well below normal initially but returned to near normal during second half. Rainfall amounts moderate to heavy north, generally moderate central, and light to none south.

Soil moisture adequate west, south. More rain needed north and central. Soybean, cotton harvest nearing completion. Sugarcane harvest in full swing. Seeding small grains complete, crop slowed by cold, dry weather. Tobacco seeded preparation underway. Pastures very poor to fair. Cattle and calves fair to good. Citrus groves improved, very good condition, showers helping, some irrigation continues, more rain needed. No citrus damage from frost 9th and 10th. Harvest very active. Tomatoes at fall peak. Celery, cabbage, carrots increased sharply. Cucumbers declining seasonally. Peppers in good supply. Sweetcorn off sharply, in transition from Everglades to East Coast. Beans, escarole, lettuce steady. Squash moved upward, eggplant decreased. Other vegetables in seasonal supply.

GEORGIA: Light rains on 12th except extreme southeast where amounts were moderate. Precipitation for week was variable, mostly 0.50 in. to 1.00 in. with moderate rains over weekend. Temperatures averaged near normal to 4° below normal for week with no sharp changes during past weekend.

Soil moisture mostly adequate to excessive. Harvest of corn, cotton and soybeans nearing completion. Pecan harvest continued active. Land preparation and fall seeding continued. Some replanting of small grains due to poor stands. Application of lime and fertilizer active. Small grains and pastures fair to good. Cattle fair to good.

HAWAII: Weather generally cool, dry, mostly

cloudy with intermittent showers. Gusty winds detrimental to crops in exposed areas.

Crop progress fair to good. Growth slow because cool weather. Certain vegetables in active harvest. Few in short supply, especially bananas. Chinese variety in plentiful supply. Papaya production steady. Good forage in most pastures. Cattle good. Sugar harvesting slowing down. Pineapple harvesting for fresh fruit steady.

IDAHO: Precipitation general mainly end of week. Amounts ranged from below normal at Salmon with 0.05 in. to above normal at Emmett with 0.70 in. Temperatures below normal southeast, near to a little above elsewhere. Except for temperature of 58° at Lewiston, midweek maximum mostly 30's and 40's. Minima mostly teens and 20's few subteens mainly east. Lowest, -2° Rexburg the 9th.

First widespread winter storm limited farm activity mainly to livestock feeding, fall calving, Christmas tree harvest, repair of equipment. Livestock good, feed supplies adequate, but reduction of high priced grains in rations. Moving sheep to winter ranges. Some fall plowing, seeding and fertilizing winter grain crops north. Marketing of farm products hampered by snow drifts south eastern localities.

ILLINOIS: Temperatures 3 to 5° above normal northern half, 1 to 2° above normal south. Rain 0.50 in. many areas, extreme west under 0.25 in. Light snow northern sections 14th, 15th.

Corn harvest 95% complete, same as average, 2 to 3 weeks behind 1973. Wet field conditions hampering progress. Remaining corn standing well. Grain sorghum harvest 88% complete. Winter wheat seedings good to excellent. Plowing 1975 corn and soybean acreage 55% complete, 62% 1973, average 50%. Livestock good. Grazing harvested cornfields. Pastures supplying very little roughage. Soil moisture 4% short, 57% adequate, 39% surplus. Fieldwork: 2 days suitable.

INDIANA: Warm cloudy week. Temperatures ranged from teens to low 50's and averaged 4° above normal. Precipitation ranged from 0.20 in. south to 0.80 in. north.

Fieldwork averaged 1.0 day. Topsoil and subsoil moisture adequate to surplus. Corn 86% harvested, 4 weeks behind 1973. Soybeans 95% combined, month behind 1973. Spring crop land 35% plowed.

IOWA: Temperatures ranged from around 10° above normal west to 5° above normal east. Mild early and middle of the week, turning cooler the weekend. Principal precipitation was on the weekend with 2 to 4 in. of snow falling across parts of northwest and 0.33 to 1.00 in. of rain in southeast. Precipitation was 2 to 3 times normal in wide belt southwest to northeast.

KANSAS: Temperature averaged 2 to 6° above normal. Precipitation significant at midweek southeast and east central with up to 1.25 in. including snow depths up to 4 in. Sumner county. On 14th northwest and north central received from 1 to 8 in. of snow.

Wheat generally good although crop cover short in some areas of west central, southwest, and north central. Corn and sorghum harvest nearly complete, less than 5% remaining. Soybean harvest 95% complete. Row crop harvest normally complete by this date.

KENTUCKY: Cold early week with morning lows in teens and low 20's on 9th and 10th. Light rain

11th and 12th, somewhat heavier 15th. Temperatures averaged near normal. Precipitation averaged around 0.50 in.

Field activities limited by rain and wet fields. Tobacco stripping and caring for livestock most active duties. Burley tobacco prices peaked on Monday, declined slightly thereafter. Volume heavy with average price over \$119.

LOUISIANA: Temperatures 2 to 5° below normal as cool weather continued for third straight week. Extremes: 74° Lafayette on 14th and 22° Calhoun, Cotton Valley, Ashland on 10th. Precipitation on 10th and 14th left weekly totals of 0.75 in. to more than 2.00 in. Greatest 1-day rain 1.87 in. Lake Charles on 15th.

Cotton and soybean harvest delayed by rains early week. Sugarcane progress slow. Small grains good. Livestock fair.

MARYLAND AND DELAWARE: Temperatures 3 to 5° above normal, Garrett County slightly below. Highs mid 50's to mid 60's. Lows upper teens to mid 20's. Precipitation ranged 0.10 to 2.18 in. Heaviest north central.

Soil moisture adequate to surplus. Practically all corn harvested. Scattered fields soybeans remain especially south. Some activity stalk shredding, disking and plowing down fertilizer. High interest in soil testing and locating lime and fertilizer.

MICHIGAN: Temperatures averaged about 4° above normal, ranging from normal in Thumb area to 8° above in southwest upper peninsula. Precipitation generally light, consisting of mixed rain and snow over southern lower peninsula. Elsewhere light snow fell except in the north central lower and northwestern upper peninsula which received 5 in. Precipitation in water equivalents ranged from 0.10 to 0.80 in.

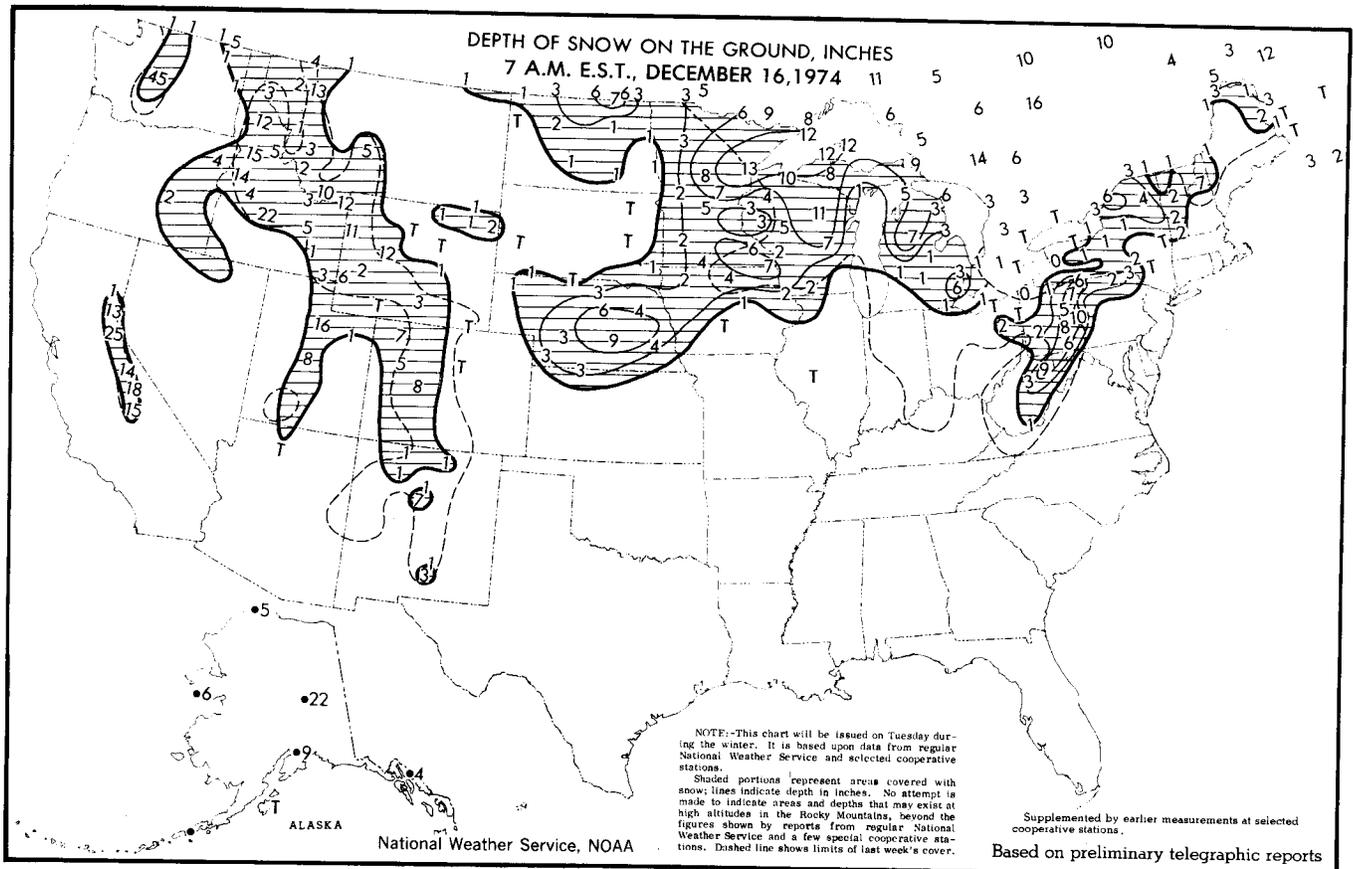
MINNESOTA: Temperatures averaged 8 to 12° above normal. Extremes -4° Duluth on 9th to lower 50's in extreme southwest on 11th. Precipitation a little below normal in west and central, 0.50 in. above normal in northeast and southeast. Snowfall occurred 12th through 15th with depths of 6 in. Rochester, 2 in. twin cities, 15 in. Duluth, 2 ft. Finland and Silver Bay, other northeast points 5 to 7 in. and 1 to 2 in. in west.

MISSISSIPPI: Rain scattered throughout week but most occurred on 11th. Temperatures averaged few degrees subnormal. Extremes: 72 and 17°. Greatest 24-hour rainfall reported was 4.42 in. at D'Lo.

Soil moisture adequate to excessive. Fieldwork: 1.6 days suitable. Cotton: 88% harvested, normal 93%. Soybeans: 91% harvested, normal 91%. Corn: 97% harvested, normal 96%. Pecans: 90% harvested, normal 86%. Wheat, oats, pastures, and livestock mostly fair. Supply of hay and roughage mostly adequate. Supply of feed grains mostly short.

MISSOURI: Temperatures averaged near normal with some of the coldest weather thus far on the 8th but near or above normal readings remainder of week. Precipitation general midweek and over weekend with amounts ample for early December. Most stations reported over 0.33 in. with a few reporting more than 1.00 in. and Nevada reporting 3.31 in.

Fieldwork: 2 days suitable. Corn 92% harvested, 90% average. Grain sorghum 90% harvested, 92% average. Soybeans 92% harvested, 91% average.



Cotton 90% harvested. Fall plowing 61% completed. Soil moisture adequate to surplus.

MONTANA: Temperatures averaged from 2° above normal southwest to 9° above north central division. Highest maximums mostly 40's western divisions, lower 50's elsewhere. Precipitation below normal, averaging near 0.50 in. western divisions and generally light amounts elsewhere.

Winter wheat fair to good. Wind damage light, snowcover protection poor. Soil moisture short. Stockwater mostly adequate some shortages developing. About 50% cattle and 75% sheep on supplemental feed. Grazing open except mountain areas. Livestock good except some north central counties fair. Cattle and sheep losses from weather and disease average or less.

NEBRASKA: Temperatures mostly above normal, below normal the last two days. Precipitation light some areas, snowfall beginning late 13th west. Amounts up to 13 in. south central, 2 to 5 in. east.

NEVADA: Most northern areas received 2 to 4 in. snow, especially higher elevations. Light precipitation most locations other than Austin where 0.59 in. recorded. Temperature extremes: 1° Ely, 61° Las Vegas.

Cotton harvest Pahrump Valley nearing completion. Farm activities elsewhere limited to caring and feeding livestock.

NEW JERSEY: Temperatures averaged 1 to 2° above normal. Extremes: 18° several stations, 56° Long Branch. Weekly rainfall light, averaging 0.16 in. north, 0.42 in. south, and 0.25 in. coastal divisions. Trace of snowfall at Trenton and Canoebrook on 9th and 10th.

NEW MEXICO: Light rain and snowfall south 9th. A few negligible snow showers northern mountains weekend, otherwise mostly dry. Warmest temperatures during midweek turning colder over weekend. Temperatures averaged a little subnormal eastern plains to 5 to 9° below normal most of Central and West.

Moisture adequate. Winter wheat, barley: good, grazing around 80%. Limited cotton, grain sorghum harvest continuing. Pecan harvest active but past peak. Ranges: fair, short grass. Livestock fair to good. Supplemental feeding active.

NEW YORK: Temperatures averaged above normal as persistent cloudiness resulted in a rather small temperature range and high nighttime minima. Precipitation averaged below normal with frequent light occurrences. Most stations reported the largest totals 12th and 14th as mixed precipitation fell over interior sections. Weekly extremes: 50° New York City 12th, 13° Watertown 15th.

NORTH CAROLINA: Temperatures averaged near normal. General rain fell beginning of week.

Soil moisture improved, adequate to surplus. Fieldwork averaged 2.4 days. Harvest of all crops over 95% complete. Small grain planting 97% complete, mostly good. Main farm activities preparing tobacco beds, general farm work, maintenance and preparing for holiday season.

NORTH DAKOTA: Temperatures above normal ranging from 7° east central to 10° northwest. Extremes: 55° Ft. Yates, -9° at Upham. Precipitation subnormal except southwest ranging from 0.10 in. below normal southeast to 0.02 in. above normal south-

west. Most snow cover at Minot with 2 in. on ground. Balance reporting trace to 1 in.

Roads slippery some areas but normal marketing and other farm work. Feed supplies accessible. Snow cover limited grazing. Livestock good.

OHIO: Snow flurries 9th produced 2 in. snow at Cleveland and greater amounts east of Cleveland. Clearing and cold with low temperatures generally in teens on 10th. Cloudy with frequent periods of precipitation and temperatures averaging above normal balance of week.

Livestock in good condition. Fields soft due to precipitation and warm weather.

OKLAHOMA: Temperatures ranged 1° subnormal north-west to 7° below south central. Precipitation from 0.10 in. panhandle to 1.30 in. north central and northeast. Weekend cool with few traces precipitation.

Midweek snow and rain further delayed harvest and caused deterioration of range grasses. Some small grains continue to be seeded following cotton and soybeans. Germination and emergence late sowings slow. Wet fields last half week cut back grazing. Sorghums now 80% harvested. Cotton harvest active when field conditions permit. Nearly 40% acreage now stripped or picked. Rain hard on quality. Soybean harvest made good progress with under 25% remaining. Some shatter. Cattle condition dropped some from cold, wet weather and poorer ranges. Supplemental feeding increased.

OREGON: Precipitation all areas, ranged from 0.20 to 3.00 in. Temperatures averaged about 5° above normal most areas. Maximums ranged from upper 40's to lower 60's. Minimums ranged in teens to lower 40's.

General winter farm activities continuing. Most orchards showing very limited activities. Some pruning being done. Some equipment being overhauled. Feed supplies adequate. Most livestock good.

PENNSYLVANIA: Changeable weather. Cloudy, damp, rain in south and snow in colder regions. Precipitation ranged from 0.25 to 1.00 in. with 4 to 6 in. snow in mountain areas. Cold weather common during first few days with overnight lows of 9° in central mountains. Moderating weather followed with high of 57° in Philadelphia 13th. Weekend cloudy, rainy and snowy. Temperatures slightly above normal rainfall nearly normal.

Farmers doing routine winter chores.

PUERTO RICO: Average rainfall 2.37 in., 1.32 in. above normal. Heaviest 6.30 in. at Pico Del Estelunquillo. Temperatures averaged about 77° on coasts and 72° interior with means ranging from 79° at Fajardo to 65° at Pico Del Estelunquillo. Extremes: 91 and 59°.

Sugarcane developing well. Rainshowers interrupted coffee harvest and caused ripe grain to fall in eastern and western interior. Tobacco planting continued, shortage of seeds. Rainshowers affected new plantings some areas. Pastures good. Food crops good although rainshowers caused some minor damage and interrupted field operations eastern and western interior. Abundance of plantains, bananas, citrus and vegetables on market.

SOUTH CAROLINA: Temperatures averaged near normal except for southern portion with 6° above. Precipitation relatively light averaging from 0.10 to 0.20 in. across State.

Conditions mostly favorable for harvesting after

fields dried from previous week's rain. Soybean harvest continued. Some cotton still being picked. Peach tree, grapevine pruning in Piedmont. Tobacco bed preparation in Pee Dee accounted for most other farm activity. Small grains, pastures benefitting from rainfall.

SOUTH DAKOTA: Temperatures averaged 5 to 10° above normal. Extremes: 0° Marion and Gettysburg 9th, 62° Wood 9th. Light snow fall, very little moisture.

Warm weather helped keep supplemental feeding requirements to minimum. Feed grain and hay supplies short many areas. Cattle water critical some areas as dugouts and dams continue to dry up. Main farm activities include working and caring for livestock, farm building, maintenance, and moving hay. Fall seeded grains spotty and need snow cover.

TENNESSEE: Rainfall significantly below normal averaging less than 1.00 in. Temperatures near normal with mean readings ranging from upper 30's to low 40's.

Fall sown grains and pastures good. Tobacco nearly stripped. Soybeans and corn harvested except few low-lying fields in west.

TEXAS: Near seasonable weather. Light snow fell High Plains, far west early in week. Moisture generally light across western third. Precipitation heavy across southeast, 1.00 to 2.00 in. common. Most central 0.50 to 1.00 in. Temperatures near normal. Central, east 1 to 3° subnormal. High Plains seasonable.

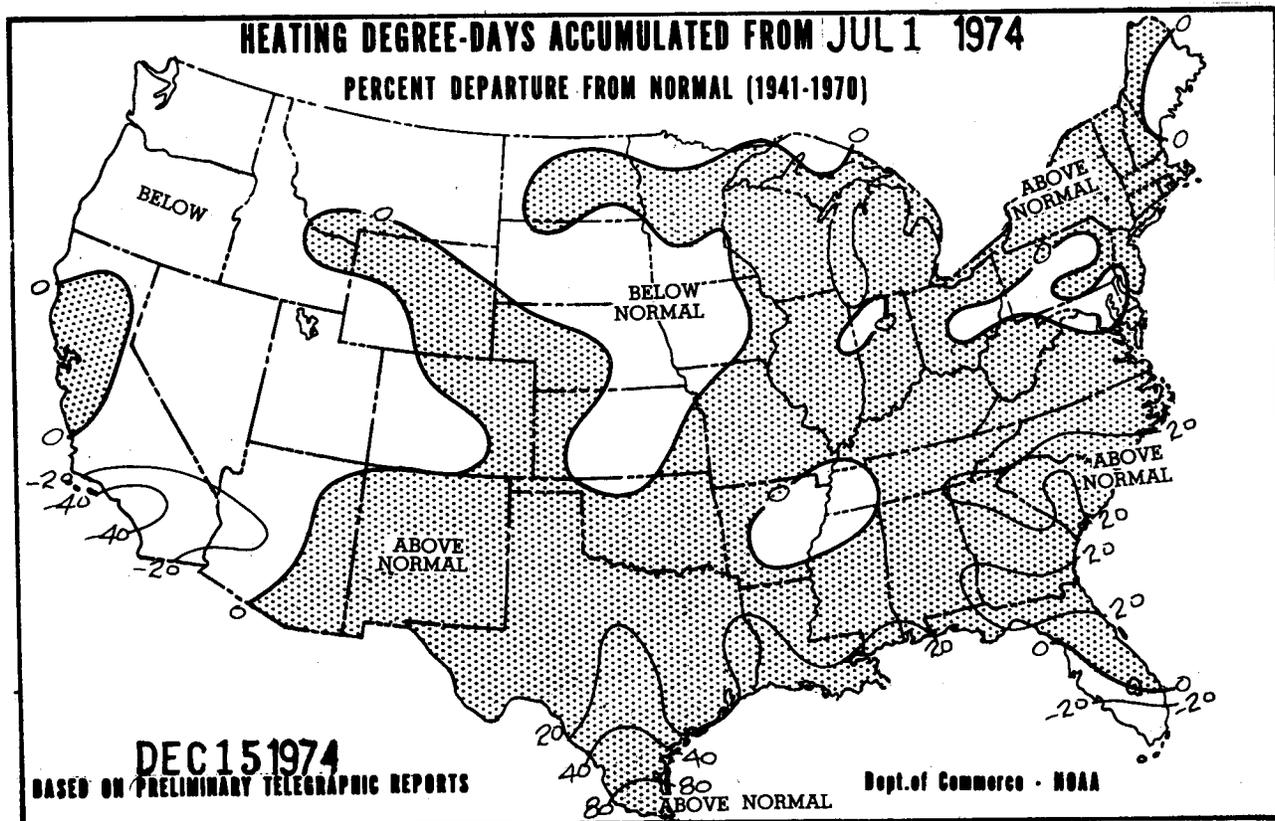
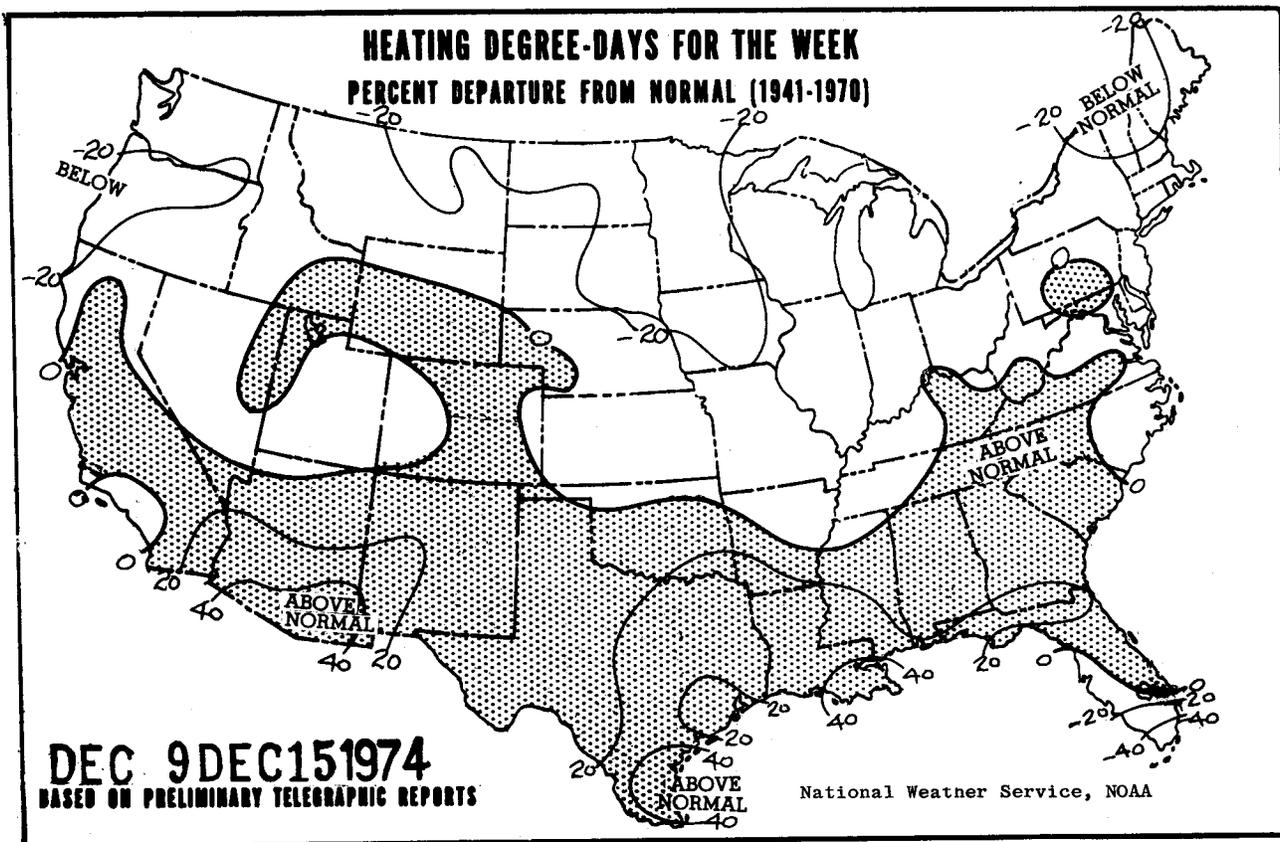
Cotton harvest excellent progress High and Low Plains. Yield, quality below normal. Cold, wet weather slowed growth wheat oats but grazing generally adequate. Some fields East show good growth, but too wet to graze. Major crops percent planted: Wheat 99, 1973 100; Oats 99, 1973 100; Flax 91. Major crops percent harvested: Cotton 76, 1973 82, average 56; Corn 100, 1973 100, average 100; Sorghum 99, 1973 100, average 99; Soybeans 97, 1973 90, average 93; Peanuts 95, 1973 99, average 99; Sugarbeets 96, 1973 100, average 76.

Lower Rio Grande Valley: Light supplies of peppers, cucumbers, tomatoes available. Lettuce movement continues slow. Cabbage harvest continues. Most onions have been planted. Thin stands in some early fields of emerging onions have caused growers to replant. Coastal Bend: Cucumber, squash harvest virtually complete. Laredo: Tomatoes damaged by recent freeze. Winter Garden: Cabbage, carrot harvest continues. Spinach being cut. San Antonio: Cabbage, carrot harvest active. High Plains: Late fields of carrots, cabbage still being harvested. Pecan harvest again temporarily delayed by wet weather. Citrus harvest continues in full swing. Cool weather aided in coloring fruit. Quality continues to be excellent.

Cold, wet weather delayed growth wheat, oats, but grazing adequate most areas. Wet, muddy fields restrict small grain grazing East, Blacklands. Livestock losing weight. Native pastures caring well most areas. Freezing weather stopped growth warm season grasses. Winter weeds, grasses emerging, furnishing fair grazing. Ranchers reluctant start supplemental feeding because high feed prices, depressed livestock markets.

UTAH: Recurring periods snow latter half of period, principally northwest. Average temperatures ranging from 3° above normal to 6° below.

Moisture received last week most welcome although some highway movement inconvenienced.



Heating Degree Days (Base 65°) For Week Ending Dec. 15, 1974

States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation			States and Stations	Weekly		Seasonal + Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74
ALA.Birmingham . . .	150	13	890	74	251	Portland . . .	215	-55	2109	-11	142	Tulsa . . .	172	1	1013	42	229
Mobile . . .	101	17	511	92	224	MD.Baltimore . . .	182	-23	1225	-38	87	OREG.Astoria . . .	124	-28	1556	-212	-370
Montgomery . . .	127	14	717	86	240	MASS.Boston . . .	180	-39	1541	116	251	Burns . . .	238	-17	2113	-169	-150
ARIZ.Flagstaff . . .	249	6	2115	-188	72	MICH.Alpena . . .	259	-26	2496	5	300	Medford . . .	160	-28	1306	-214	31
Phoenix . . .	107	22	315	54	43	Detroit . . .	247	-4	1967	204	404	Pendleton . . .	155	-44	1314	-312	-166
Tucson . . .	137	50	509	96	112	Flint . . .	244	-17	2015	45	339	Portland . . .	131	-35	1156	-354	-197
Winslow . . .	239	25	1430	60	40	Grand Rapids . . .	249	-9	2212	332	493	Salem . . .	126	-39	1328	-195	-241
Yuma . . .	81	21	192	35	-	Houghton Lake . . .	264	-26	2475	17	300	PA.Allentown . . .	203	-33	1662	63	311
ARK.Fort Smith . . .	180	20	1031	130	294	Lansing . . .	234	-26	2123	195	338	Erie . . .	237	-10	1974	96	395
Little Rock . . .	156	-4	881	36	281	Marquette . . .	239	-45	2386	-5	222	Harrisburg . . .	295	72	1538	101	359
CALIF.Bakersfield . . .	128	11	502	66	42	Muskegon . . .	237	-13	2016	115	269	Philadelphia . . .	188	-17	1223	-47	152
Eureka . . .	91	-21	1674	59	138	S. Ste. Marie . . .	299	-9	2875	179	347	Pittsburgh . . .	225	-13	1628	-74	221
Fresno . . .	147	16	678	26	65	MINN.Duluth . . .	282	-64	3119	203	258	Scranton . . .	205	-42	1762	-10	95
Los Angeles . . .	50	-11	228	-185	43	Internatl Falls . . .	306	-79	3109	-100	176	R.I.Providence . . .	196	-35	1679	103	230
Red Bluff . . .	143	15	759	77	52	Minneapolis . . .	242	-77	2313	-71	200	S.C.Charleston . . .	114	6	699	134	309
San Diego . . .	57	1	215	-102	12	Rochester . . .	250	-65	2368	19	223	Columbia . . .	137	5	829	107	345
San Francisco . . .	110	6	896	12	105	St. Cloud . . .	264	-72	2653	87	274	Greenville . . .	183	29	1084	193	247
Stockton . . .	136	4	730	7	14	MISS.Jackson . . .	134	24	693	75	228	S.DAK.Aberdeen . . .	239	-91	2323	-164	-222
COLO.Denver . . .	227	4	1869	106	196	Meridian . . .	136	18	693	8	246	Huron . . .	240	-72	2219	-77	-51
Grand Junction . . .	205	-39	1545	-100	26	MO.Columbia . . .	201	-19	1571	197	352	Rapid City . . .	239	-24	2070	-63	-78
Pueblo . . .	231	11	1539	-36	72	Kansas City . . .	202	-20	1498	123	248	Sioux Falls . . .	222	-86	2197	-54	112
CONN.Bridgeport . . .	188	-26	1381	74	320	St. Louis . . .	195	-12	1462	176	270	TENN.Chattanooga . . .	190	25	1214	199	369
Hartford . . .	227	-26	1895	165	428	Springfield . . .	182	-17	1396	131	398	Knoxville . . .	180	17	1065	70	213
DEL.Wilmington . . .	191	-17	1363	72	335	MONT.Billings . . .	230	-30	2112	-44	-	Memphis . . .	146	-6	854	-31	263
D.C.Washington . . .	166	-24	1058	44	251	Glasgow . . .	262	-62	2356	-285	-372	Nashville . . .	169	-1	1085	47	337
FLA.Apalachicola . . .	71	1	334	14	118	Great Falls . . .	220	-42	2054	-249	-338	TEX.Abilene . . .	147	21	815	132	291
Daytona Beach . . .	49	0	205	8	74	Havre . . .	238	-80	2343	-366	-418	Amarillo . . .	200	19	1262	98	286
Ft. Myers . . .	19	-5	65	27	13	Helena . . .	241	-43	2514	-85	158	Austin . . .	111	25	504	87	258
Jacksonville . . .	84	14	428	106	157	Kalispell . . .	234	-49	2564	-315	-83	Brownsville . . .	40	11	187	90	151
Key West . . .	2	2	3	3	3	Miles City . . .	236	-56	2160	-177	-130	Corpus Christi . . .	79	33	265	88	186
Lakeland . . .	38	3	142	2	30	Missoula . . .	241	-35	2335	-284	-129	Del Rio . . .	95	9	451	60	234
Miami . . .	8	-6	28	9	15	NEBR.Grand Island . . .	220	-39	1804	-6	4	El Paso . . .	161	19	877	90	194
Orlando . . .	39	4	157	19	54	Lincoln . . .	224	-33	1723	1	30	Fort Worth . . .	143	28	618	38	193
Tallahassee . . .	102	18	581	176	247	Norfolk . . .	223	-55	1889	-78	20	Galveston . . .	65	10	275	51	160
Tampa . . .	34	-2	133	11	8	North Platte . . .	262	0	2125	120	85	Houston . . .	76	4	344	23	112
W. Palm Beach . . .	14	0	54	2	7	Omaha . . .	215	-37	1705	-58	50	Lubbock . . .	174	11	1078	86	312
GA.Atlanta . . .	167	18	919	61	254	Valentine . . .	235	-43	2074	-60	30	Midland . . .	148	18	722	18	146
Augusta . . .	155	26	895	184	277	NEV.Ely . . .	275	7	2330	-100	-196	Beaumont . . .	94	20	449	81	188
Macon . . .	128	13	685	64	227	Las Vegas . . .	137	1	621	-88	22	San Angelo . . .	128	14	639	36	238
Savannah . . .	97	-5	554	34	167	Reno . . .	189	-32	1852	-47	54	San Antonio . . .	100	20	503	132	264
IDAHO.Boise . . .	212	-14	1516	-255	57	Winnemucca . . .	222	-16	2025	-69	129	Victoria . . .	73	12	294	36	172
Lewiston . . .	178	-28	1445	-272	151	N.H.Concord . . .	234	-42	2368	263	238	Waco . . .	140	38	577	80	263
Pocatello . . .	274	13	2102	48	3	N.J.Atlantic City . . .	189	-17	1403	115	226	Wichita Falls . . .	156	14	781	32	230
ILL.Cairo . . .	181	3	1087	53	269	Trenton . . .	182	-25	1310	37	218	UTAH.Salt Lake C . . .	235	-4	1461	-325	-203
Chicago . . .	223	-27	1709	75	232	N.MEX.Albuquerque . . .	237	38	1324	70	2	VT.Burlington . . .	221	-68	2284	90	234
Moline . . .	229	-32	1805	59	193	Roswell . . .	184	6	1175	51	298	VA.Lynchburg . . .	193	6	1330	137	311
Peoria . . .	226	-27	1775	95	279	N.Y.Albany . . .	231	-36	2205	302	354	Norfolk . . .	147	-10	888	18	187
Rockford . . .	248	-26	1933	27	275	Binghamton . . .	245	-28	2250	196	437	Richmond . . .	182	3	1250	181	334
Springfield . . .	205	-31	1601	84	340	Buffalo . . .	228	-26	1915	37	215	Roanoke . . .	197	-5	1371	160	341
IND.Evansville . . .	195	-9	1368	74	349	New York . . .	178	-24	1285	91	278	WASH.Quillayute . . .	140	-28	1866	-193	-442
Fort Wayne . . .	237	-13	1844	120	394	Rochester . . .	226	-26	2005	194	440	Seattle-Tacoma . . .	143	-25	1466	-228	-145
Indianapolis . . .	220	-14	1700	148	480	Syracuse . . .	234	-19	2028	254	338	Spokane . . .	227	-20	2038	-162	-140
South Bend . . .	212	-40	1651	-129	278	N.C.Asheville . . .	190	7	1305	47	276	Walla Walla . . .	145	-45	1302	-184	-106
IOWA.Burlington . . .	211	-33	1765	87	262	Hatteras . . .	103	-15	670	79	223	Yakima . . .	198	-31	1716	-228	-152
Des Moines . . .	214	-59	1790	-45	220	Charlotte . . .	177	21	1108	207	309	W.VA.Beckley . . .	227	3	1811	124	399
Dubuque . . .	252	-35	2103	45	262	Greensboro . . .	177	1	1166	71	172	Charleston . . .	210	11	1552	241	399
Sioux City . . .	226	-56	1878	68	156	Raleigh . . .	135	-30	1135	148	392	Huntington . . .	191	-9	1445	137	383
KANS.Concordia . . .	195	-42	1488	57	23	Wilmington . . .	115	-6	742	130	272	Parkersburg . . .	204	-2	1576	239	400
Dodge City . . .	195	-22	1369	-35	81	N.Dak.Bismarck . . .	297	-39	2811	162	-103	WIS.Green Bay . . .	259	-42	2430	123	371
Goodland . . .	234	-7	1857	65	86	Fargo . . .	273	-82	2679	16	64	LaCrosse . . .	250	-44	2084	17	219
Topeka . . .	196	-30	1448	6	146	Williston . . .	257	-81	2645	-94	-273	Madison . . .	249	-45	2110	-108	116
Wichita . . .	195	-14	1272	7	90	OHIO.Akron-Canton . . .	231	-14	1753	27	411	Milwaukee . . .	231	-49	1999	-64	226
KY.Lexington . . .	202	-1	1483	165	410	Cleveland . . .	231	-8	1766	91	427	WYO.Casper . . .	283	15	2347	58	69
Louisville . . .	189	-14	1389	93	404	Columbus . . .	213	-24	1590	-23	332	Cheyenne . . .	264	17	2264	50	30
LA.Baton Rouge . . .	107	24	511	82	224	Cincinnati . . .	220	4	1605	210	356	Lander . . .	316	27	2423	0	14
Lake Charles . . .	97	24	450	90	191	Dayton . . .	226	-9	1668	111	368	Sheridan . . .	253	-17	2355	3	-35
New Orleans . . .	103	33	461	99	192	Toledo . . .	240	-14	1947	165	349						
Shreveport . . .	153	45	672	105	227	Youngstown . . .	234	-15	1920	130	348						
MAINE.Caribou . . .	278	-57	2923	37	158	OKLA.Okla City . . .	181	10	989	6	174						

* Based on 1941-70 Normals.

† Accumulation July 1, 1

Heating Degree Days (Base 65°) For Week Ending Dec. 8, 1974

States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation			States and Stations	Weekly		Seasonal † Accumulation		
	TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74		TOTAL	Departure*	TOTAL	Departure*	Departure From 1973-74
ALA. Birmingham	153	25	740	61	247	Portland.	228	-21	1894	-44	126	Tulsa.	173	-15	841	41	224
Mobile	110	35	410	75	219	MD. Baltimore.	162	27	1043	-15	101	OREG. Astoria	112	-35	1432	-184	-366
Montgomery	127	22	590	72	235	MASS. Boston.	183	-17	1361	155	229	Burns.	237	-7	1875	-152	-162
ARIZ. Flagstaff	227	8	1866	-194	19	MICH. Alpena	260	-7	2237	31	335	Medford.	139	-42	1146	-186	26
Phoenix	68	7	208	-76	23	Detroit	275	42	1720	208	422	Pendleton.	162	-30	1159	-268	-165
Tucson	91	11	372	46	32	Flint	258	13	1771	62	358	Portland	125	-36	1025	-319	-190
Winslow	189	14	1191	35	23	Grand Rapids.	255	13	1963	341	541	Salem.	140	-20	1202	-156	-216
Yuma	50	2	111	-56	70	Houghton Lake	268	-5	2211	43	342	PA. Allentown.	192	-26	1459	96	314
ARK. Fort Smith	187	39	851	110	268	Lansing	267	23	1889	221	394	Erie	232	-2	1737	106	403
Little Rock	160	12	801	44	345	Marquette	240	-30	2147	40	284	Harrisburg	195	-11	1333	119	350
CALIF. Bakersfield.	90	16	374	-77	-66	Muskegon.	236	-1	1779	128	320	Philadelphia	154	-35	1035	-30	149
Eureka	86	22	1583	-38	-145	S. Ste. Marie	285	-3	2576	188	385	Pittsburgh	233	10	1403	-61	243
Fresno	105	17	531	-42	84	MINN. Duluth	326	-1	2837	267	368	Scranton	204	-26	1557	32	133
Los Angeles	49	6	175	-177	-62	Internat Falls	342	-20	2803	-21	314	R. I. Providence	190	-22	1483	138	207
Red Bluff	118	1	616	62	-66	Minneapolis	295	-5	2071	6	294	S. C. Charleston	132	33	585	128	323
San Diego	40	9	158	-103	-34	Rochester	299	4	2118	84	328	Columbia	151	30	692	102	335
San Francisco	88	8	786	6	-104	St. Cloud	315	0	2389	159	371	Greenville	168	24	606	-131	-52
Stockton	111	12	594	3	4	MISS. Jackson.	138	36	559	51	212	S. DAK. Aberdeen	320	9	2084	-73	-78
COLO. Denver	211	3	1642	102	152	Meridian	124	14	557	-10	229	Huron	311	18	1979	-5	57
Grand Junction	224	5	1343	-58	55	MO. Columbia	253	49	1370	216	370	Rapid City	226	-26	1831	-39	-54
Pueblo	217	7	1308	-47	33	Kansas City	225	19	1296	143	269	Sioux Falls.	300	12	1975	32	225
CONN. Bridgeport.	177	-17	1193	100	306	St. Louis	239	45	1267	188	303	TENN. Chattanooga	196	41	1024	174	360
Hartford	238	5	1668	191	403	Springfield	225	40	1214	148	407	Knoxville	182	30	885	53	221
DEL. Wilmington	171	-21	1172	-89	332	MONT. Billings	231	-18	1882	-14	-84	Memphis	164	22	708	-25	260
D.C. Washington	152	-23	892	-20	256	Glasgow	254	-55	2094	-223	-293	Nashville	178	20	916	48	361
FLA. Apalachicola	91	29	263	13	119	Great Falls	179	-71	1805	-236	-388	TEX. Abilene.	135	19	668	111	255
Daytona Beach	75	30	156	8	104	Havre	237	-67	2105	-286	-358	Amarillo	168	-4	1062	79	248
Ft. Myers	33	12	46	-22	25	Helena	256	-17	2273	-42	-167	Austin	101	24	393	62	216
Jacksonville	110	46	344	92	175	Kalispell	231	-42	2330	-266	-87	Brownsville.	39	16	147	79	115
Key West	1	1	1	1	1	Miles City.	251	-27	1924	-121	-96	Corpus Christi	56	18	186	55	131
Lakeland	55	26	104	-1	56	Missoula	258	-8	2094	-249	-143	Del Rio.	99	22	356	51	198
Miami	18	9	20	-3	17	NEBR. Grand Island	241	-3	1595	44	50	El Paso.	116	-17	716	71	135
Orlando	66	35	118	15	83	Lincoln	243	3	1499	34	77	Fort Worth	121	-17	475	10	141
Tallahassee	124	48	479	158	252	Norfolk	258	-3	1666	-23	74	Galveston.	68	22	210	41	133
Tampa	54	21	99	-9	47	North Platte.	246	3	1863	120	68	Houston.	83	21	268	19	103
W. Palm Beach	33	19	40	2	35	Omaha	258	23	1490	95	116	Lubbock	143	-9	904	75	271
GA. Atlanta	169	32	752	43	243	Valentine	247	-18	1839	-17	65	Midland.	113	-8	574	0	95
Augusta	161	43	740	158	267	NEV. Ely	242	-15	2055	-107	-213	Beaumont	111	45	355	61	167
Macon	127	21	557	51	222	Las Vegas	112	-13	484	-89	-53	San Angelo	117	13	511	22	197
Savannah	120	27	457	39	196	Reno	205	6	1663	-15	52	San Antonio.	101	30	403	112	228
IDAHO. Boise	117	-97	1304	-241	-83	Winnemucca.	216	-12	1803	-53	93	Victoria	70	18	221	24	141
Lewiston	173	-25	1267	-244	-163	N. H. Concord	252	-3	2134	305	230	Waco	127	36	437	42	207
Pocatello	232	-17	1828	-61	-39	N. J. Atlantic City	170	-20	1214	132	216	Wichita Falls.	140	11	625	18	193
ILL. Cairo	186	21	906	50	270	Trenton	165	-24	1128	62	213	UTAH. Salt Lake C	184	-43	1226	-321	-234
Chicago	221	-12	1486	102	289	N. MEX. Albuquerque	182	-7	1087	32	-50	VT. Burlington.	259	-8	2063	158	256
Moline	266	22	1576	91	266	Roswell	150	-18	990	44	240	VA. Lynchburg	200	25	1137	131	327
Peoria	247	10	1549	122	339	N. Y. Albany.	255	-8	1974	338	367	Norfolk	131	-11	741	28	192
Rockford	268	12	1685	53	323	Binghamton.	253	-1	2005	224	444	Richmond	167	3	1068	178	339
Springfield.	247	27	1396	115	384	Buffalo	239	2	1687	63	248	Roanoke	214	35	1174	155	353
IND. Evansville	201	10	1173	83	374	New York	165	-18	1107	115	266	WASH. Quillayute.	125	-38	1726	-165	-435
Fort Wayne	266	33	1607	133	433	Rochester	242	9	1779	220	459	Seattle-Tacoma	128	-34	1323	-203	-153
Indianapolis	227	8	1480	162	516	Syracuse	241	8	1794	273	344	Spokane	209	-29	1811	-142	-156
South Bend	209	-27	1439	-89	342	N. C. Asheville	184	12	1115	40	280	Walla Walla.	167	-15	1157	-139	-101
IOWA. Burlington.	257	19	1544	120	324	Hatteras	108	2	567	94	240	Yakima	201	-19	1518	-197	-170
Des Moines	292	38	1576	14	302	Charlotte	183	39	931	186	308	W. VA. Beckley	251	39	1584	121	419
Dubuque	275	8	1851	80	339	Greensboro.	188	25	989	70	196	Charleston	223	37	1342	230	406
Sioux City	285	19	1652	-12	223	Raleigh	170	17	1000	178	436	Huntington	211	24	1254	146	411
KANS. Concordia	216	-6	1293	-15	74	Wilmington.	126	17	627	136	284	Parkersburg.	210	19	1373	242	417
Dodge City	200	5	1174	-13	65	N. Dak. Bismarck.	322	5	2514	201	1	WIS. Green Bay.	259	-24	2171	165	434
Goodland	218	-11	1623	72	57	Fargo	317	-16	2406	98	64	LaCrosse	260	-15	1834	61	302
Topeka	216	6	1252	36	173	Williston	283	-38	2388	-13	-156	Madison	261	-16	1859	-65	195
Wichita	197	3	1077	7	103	OHIO. Akron-Canton	244	15	1522	41	416	Milwaukee	234	-27	1768	-15	291
KY. Lexington	209	18	1281	166	433	Cleveland	236	13	1535	99	425	WYO. Casper	228	-29	2064	43	8
Louisville	191	0	1200	107	434	Columbus	234	13	1378	2	349	Cheyenne	225	-15	2000	33	-23
LA. Baton Rouge	114	40	402	56	202	Cincinnati.	215	14	1385	206	374	Lander	287	9	2109	-25	-57
Lake Charles	107	42	353	66	171	Dayton	250	31	1442	120	396	Sheridan	230	-31	2102	20	-63
New Orleans	114	50	358	66	177	Toledo	274	36	1707	179	393						
Shreveport	137	39	523	64	187	Youngstown.	247	15	1686	145	367						
MAINE. Caribou	328	17	2645	94	157	OKLA. Okla City.	167	10	808	-4	145						

* Based on 1941-70 Normals.

† Accumulation July 1, 1974

WORLD AGRICULTURAL WEATHER SUMMARY

This summary provides a brief, but concise, review of crop-weather conditions in various parts of the world. This information has been prepared through the cooperative efforts of the Foreign Agricultural Service and Economic Research Service of the U.S. Department of Agriculture, and the Agricultural Weather Support Service office of the National Weather Service, NOAA. In addition to the narrative material, maps showing the weather conditions during November around the world appear on the following pages.

HIGHLIGHTS: The wet weather throughout much of Europe that began in early fall has persisted into early winter. Rarely have there been two consecutive days without precipitation, although rainless days have become more frequent in the past two to three weeks. From September through November, precipitation fell 81 of 91 days in Belgium. "Mud" best describes the agricultural situation in France. In several countries the army has been enlisted to help with harvest. Aircraft have been used to sow winter grains in some areas. In contrast, drought has continued in parts of the Mediterranean Basin and many crops have suffered.

In Spain, it has been the driest autumn in twenty-five years. Drought also withered crops in the southern Pampa region of Argentina. Although some rains have fallen during the past week, the wheat harvest is already well underway.

GRAIN: Harvest of wheat has begun in the Southern Hemisphere with production generally not up to earlier expectations. This is especially true of Argentina where "spring" rains never quite got going, the crop faltered, and yield prospects fell off sharply. The Argentine wheat harvest is now underway, and despite a 20 percent increase in acreage, total production is expected to be 10 percent below last year. Rye, barley and oats production will be down 40 percent. Corn planting is now nearing completion under favorable conditions. Dry weather is needed in South Africa after frequent and generous "spring" rains.

Fall sowing was never completed in much of Europe because "abyssmal" weather delayed harvest of preceding crops or soil conditions were unfit for soil preparation and seeding. Aircraft were used for sowing grain in some countries, but good stands were hard to come by. Grain on much acreage in northern Europe has not germinated or tillered, and may not until spring. Consequently, many European countries expect lower grain production next year due to greater dependence on lower yielding spring small grains. Torrential rains and floods hit parts of the western Ukraine on November 21-22, damaging winter grains and fall crops which had not been harvested. In Austria fall-sown wheat and rye have germinated well with sufficient precipitation in recent weeks to provide adequate subsoil moisture. Crops there are entering winter in good condition.

In the Mediterranean Basin dry weather has given winter grain a shaky start, particularly in Spain, Morocco, Syria and Iraq. Turkey, on the other hand, has had favorable weather and winter wheat appears to be doing satisfactorily.

India hoped winter cereals would help to make up some of the crop deficit caused by poor performance of its summer monsoon. But, fall rains have been sparse in the important Gangetic Plain (Punjab in particular) and though helpful for the current rice harvest, prospects are not encouraging for winter wheat and other cereals harvested in the spring.

Soil moisture has improved in central China. In Burma, the damage to the rice crop from widespread rains in late summer is now considered to be worse than assessed earlier. In Thailand, heavy rains in late October and early November delayed the start of the main rice harvest until late November.

VEGETABLE OILS: Drought has reduced olive oil production in Morocco and Spain. Some olives in Spain are too low in oil content to justify harvest. The dry season extended longer than usual in Brazil, delaying the sowing of soybeans. The crop is now mostly planted.

COTTON: Dry weather is needed in northern Columbia where rains have been disrupting start of harvest. In southern Brazil a tardy rainy season finally got underway, improving soil moisture and permitting good planting progress. Good weather favored start of picking in Nicaragua, El Salvador and Guatemala. There were general rains in Turkey where 20 percent of the crop in important Izmir remained unpicked. Losses due to recent volcanic activity in Guatemala are still uncertain but estimates range from 25,000 to 75,000 bales.

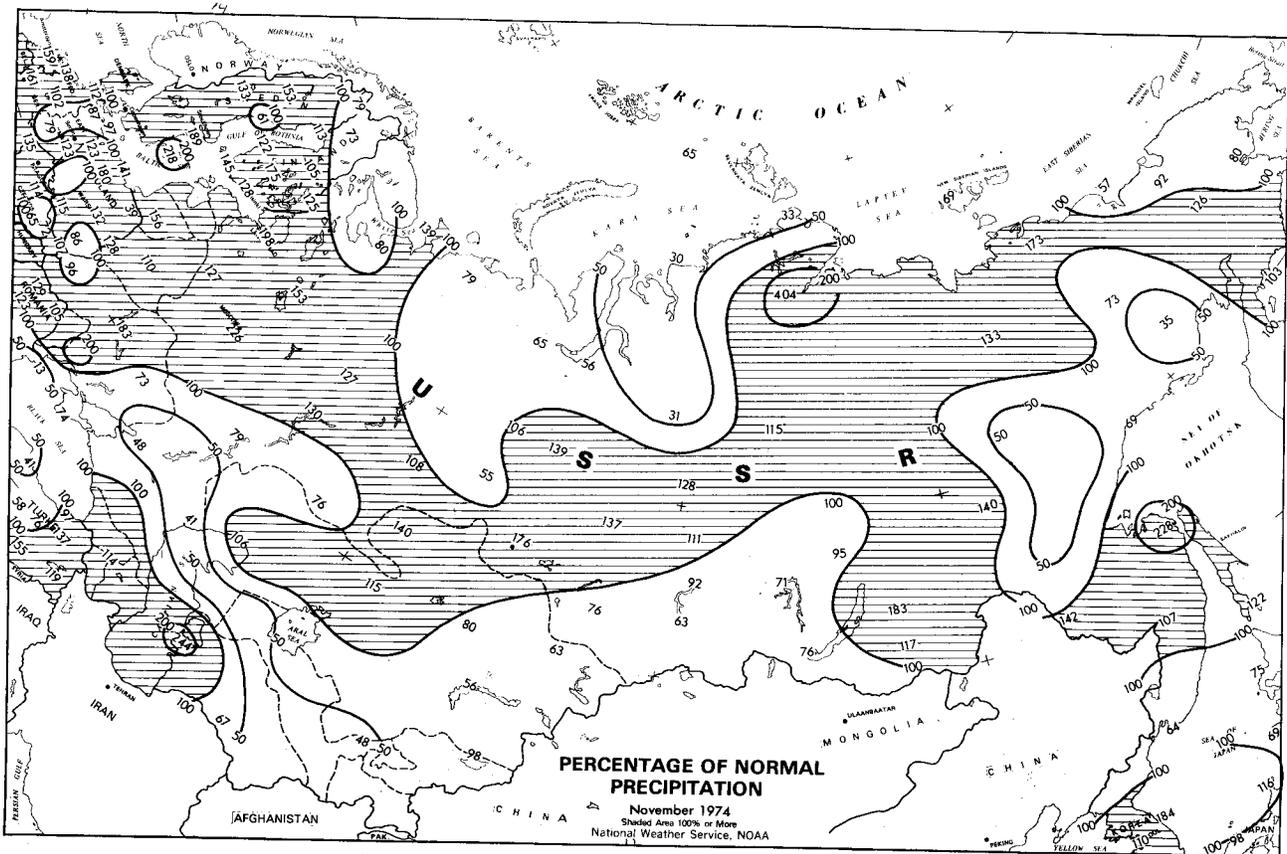
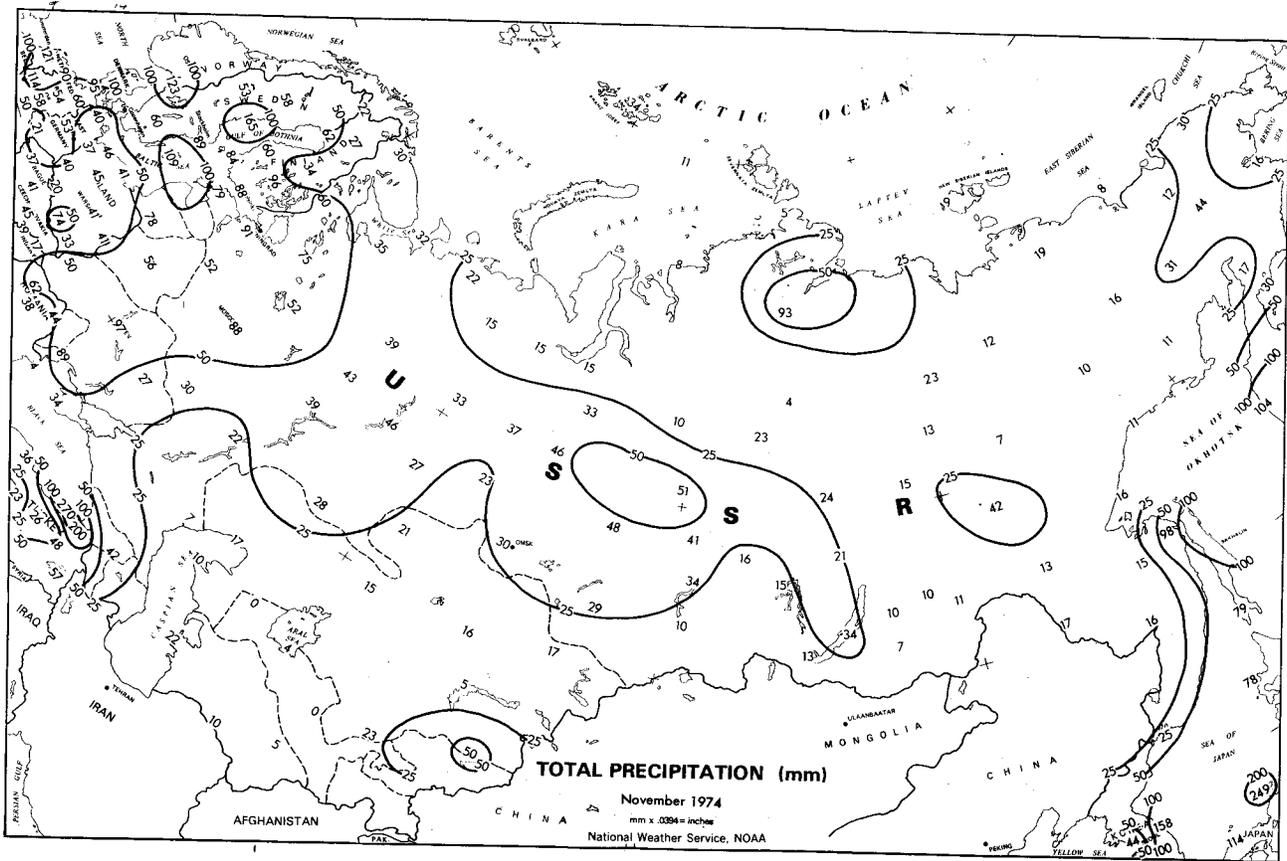
SUGAR: The series of fall typhoons crossing the Philippines apparently caused relatively little damage to sugarcane. Storm tracks were north of the major cane areas thus reducing impact. But, in Europe prolonged wet conditions disrupted harvesting and processing of sugarbeets and contributed to lower sugar yield in many countries. Road damage from heavy fall rains delayed sugarcane crushing in Thailand. Dry weather continues to whittle away at India's spring-harvested sugar crop.

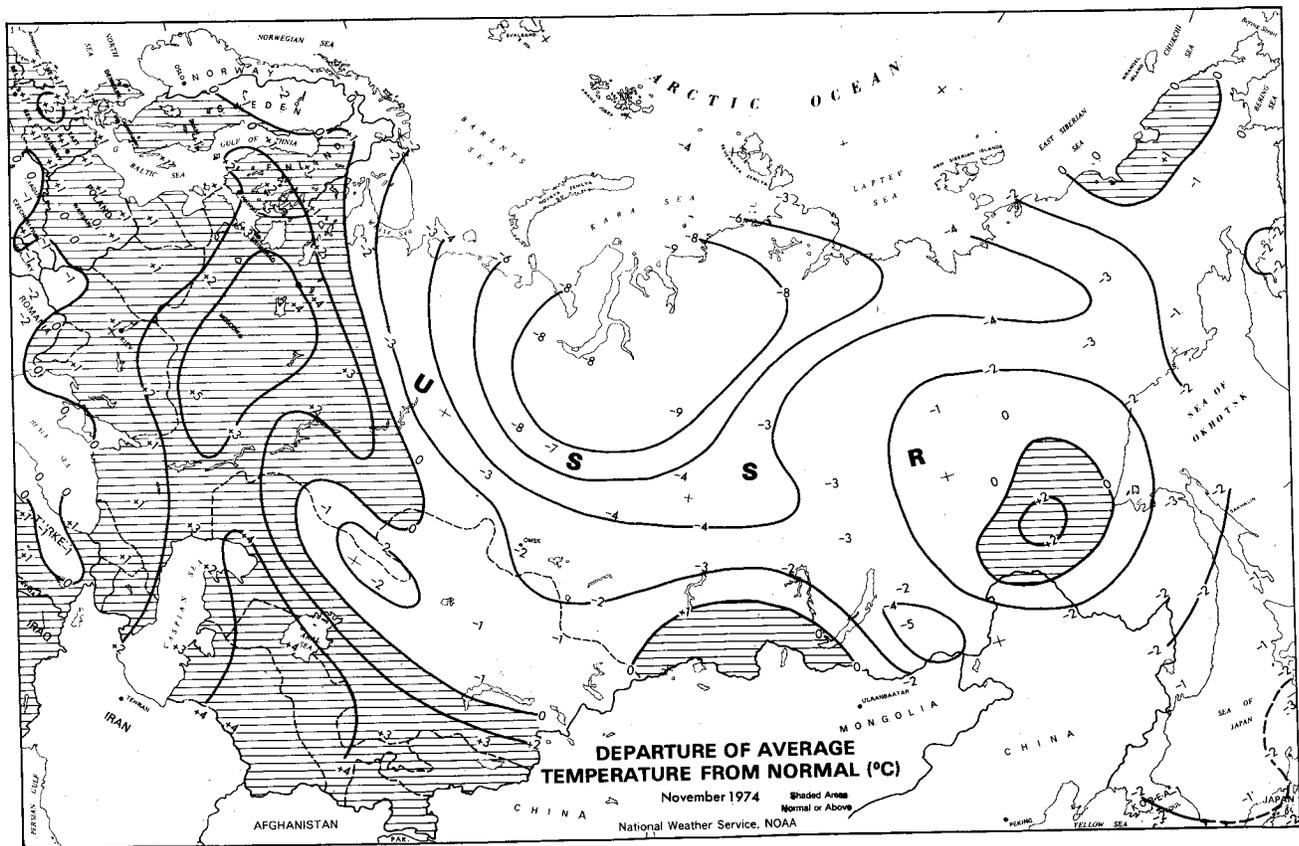
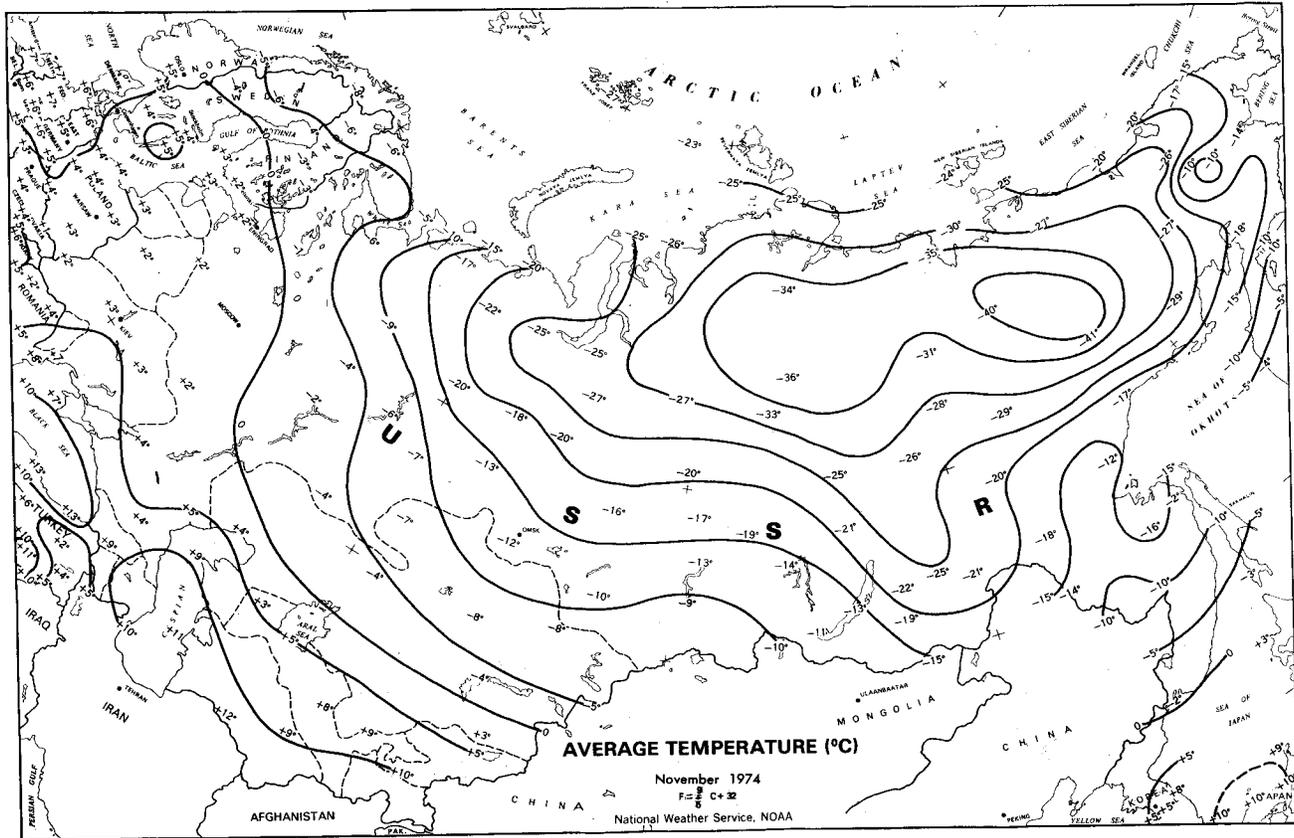
Cocoa prospects improved with favorable late fall weather in W. Africa and Brazil.

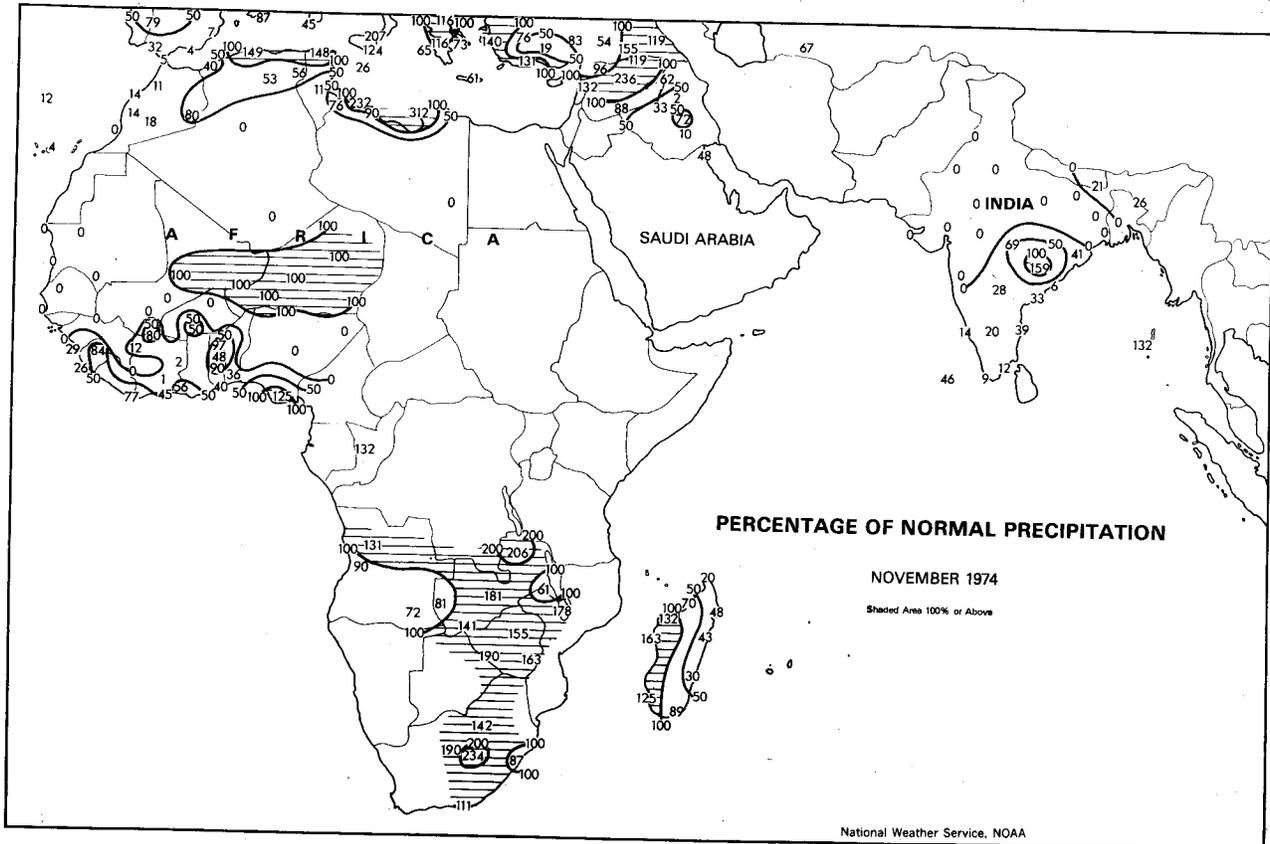
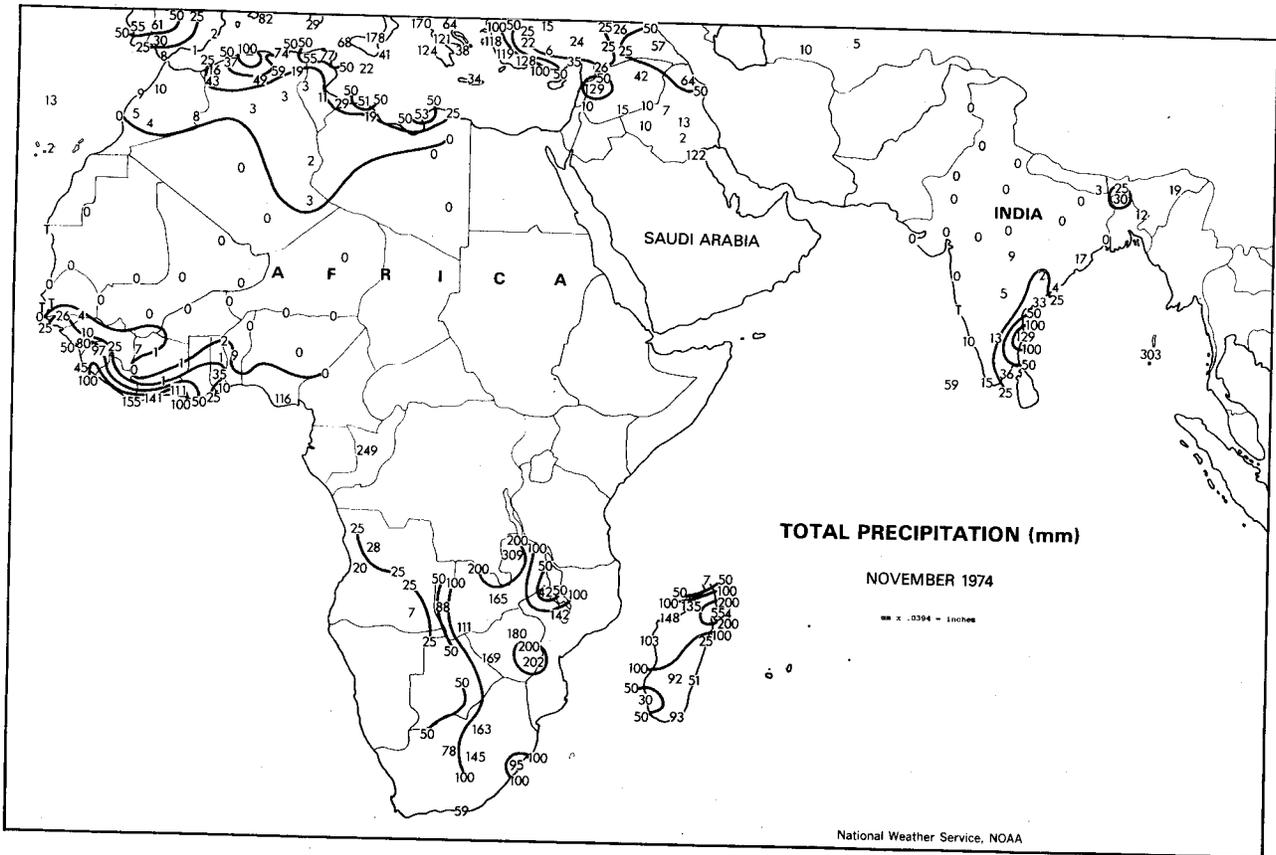
OTHER CROPS: A late November frost damaged vegetables in the state of Morelos, Mexico much can be replanted. The wet conditions in Europe reduced potato quantity and quality with losses in France alone estimated at 30 percent.

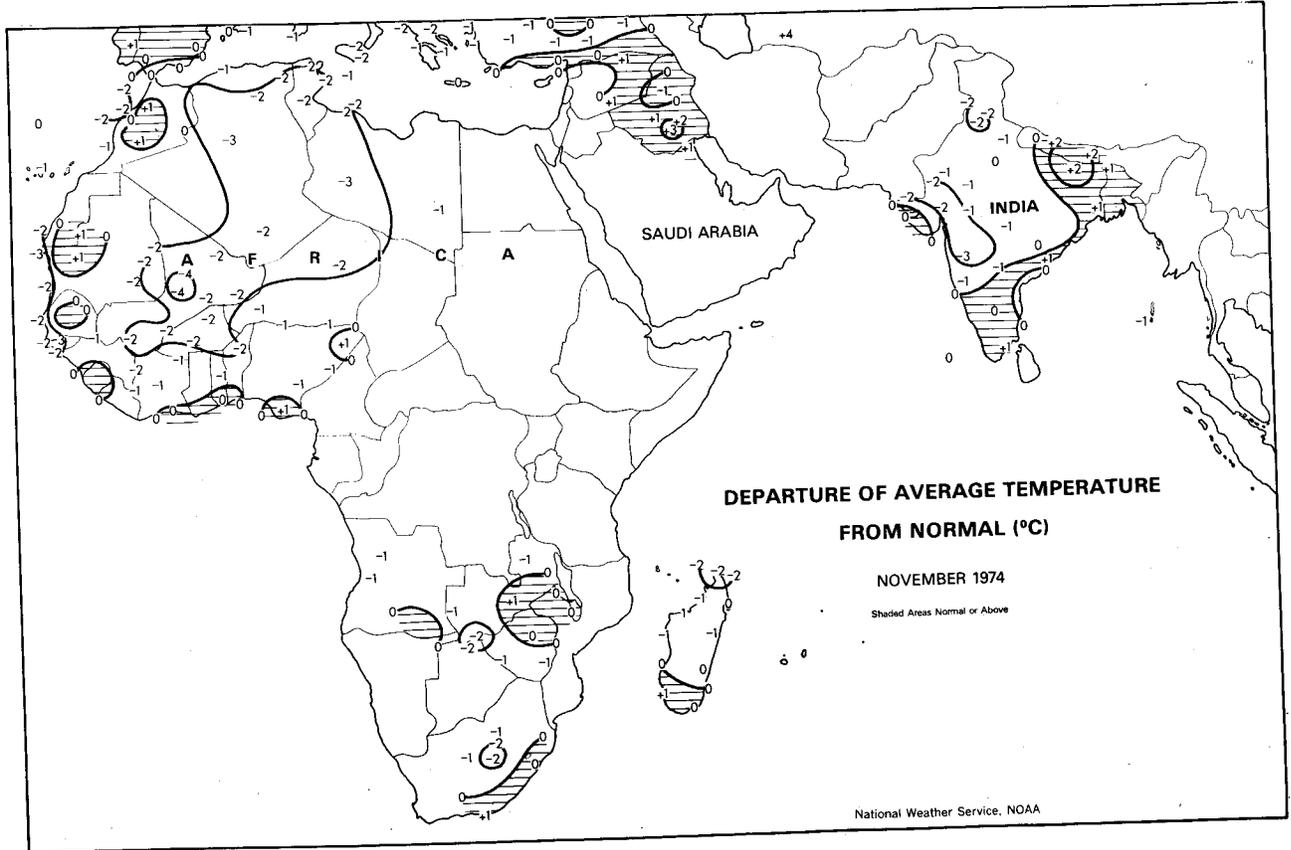
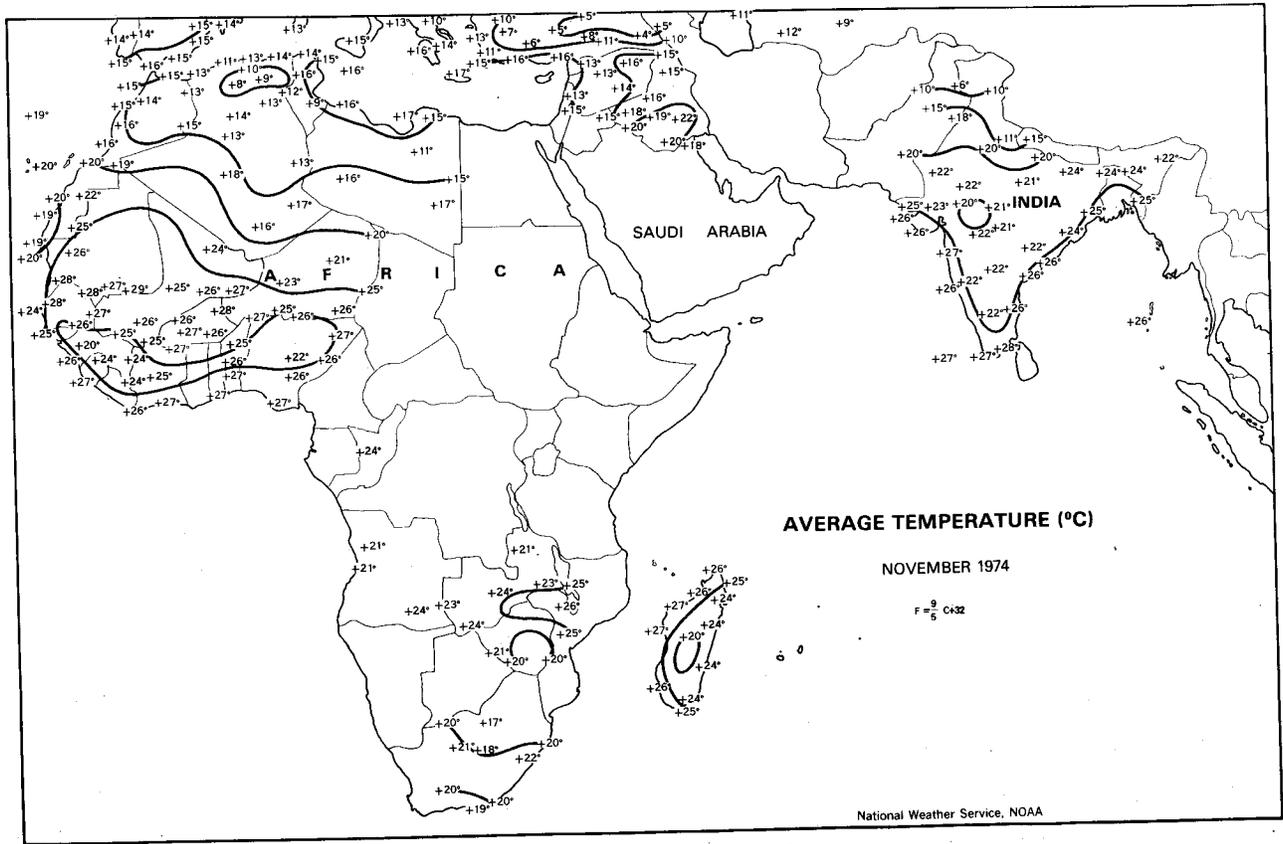
Early cold and wet weather in northern Europe checked growth of pastures and forced livestock on feed prematurely. In England and Wales hay production is about 14 percent below last year. The areas which normally have surplus production were the hardest hit. Cattle are being brought in from pasture 10 days earlier than usual in England and 15 days early in Wales. Pastures have suffered from the drought in Spain.

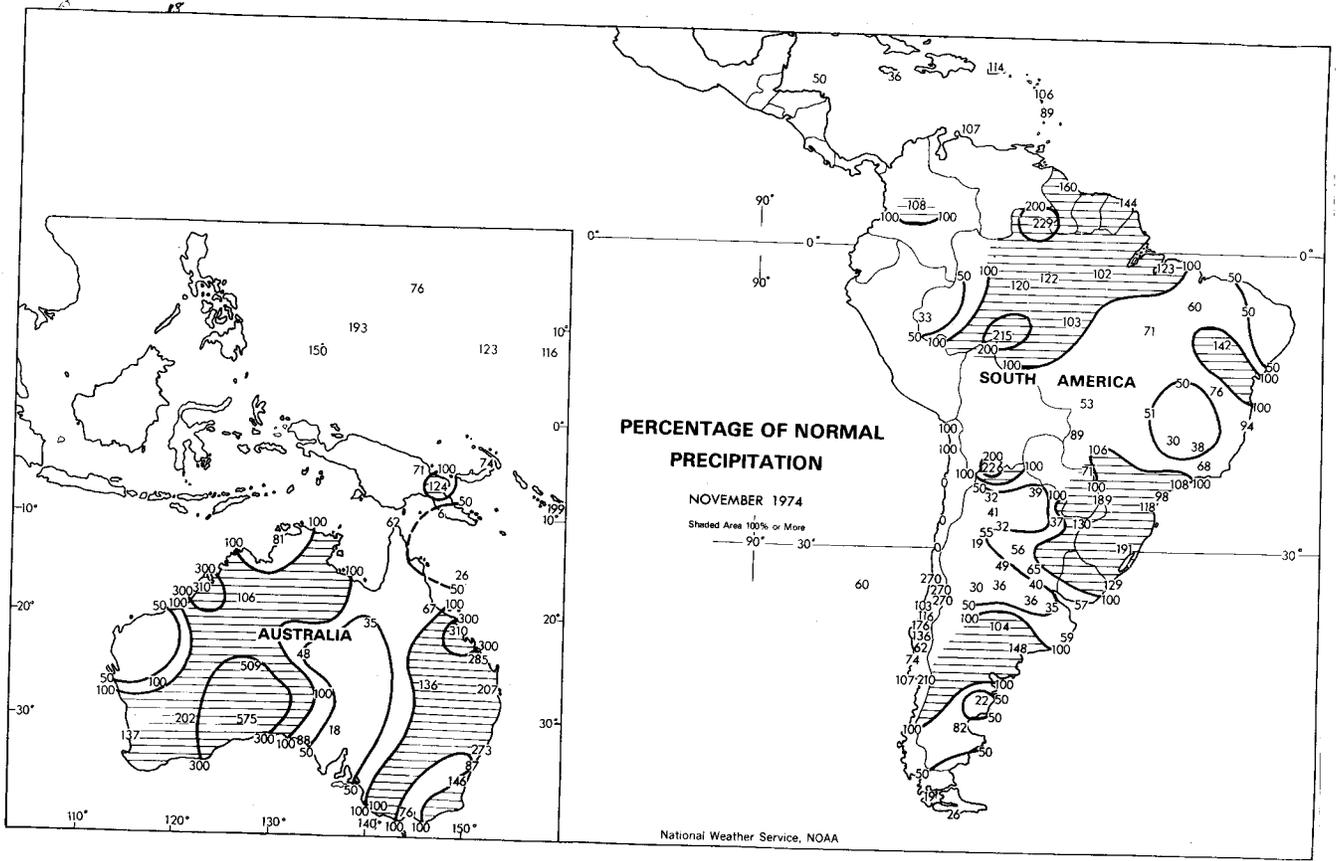
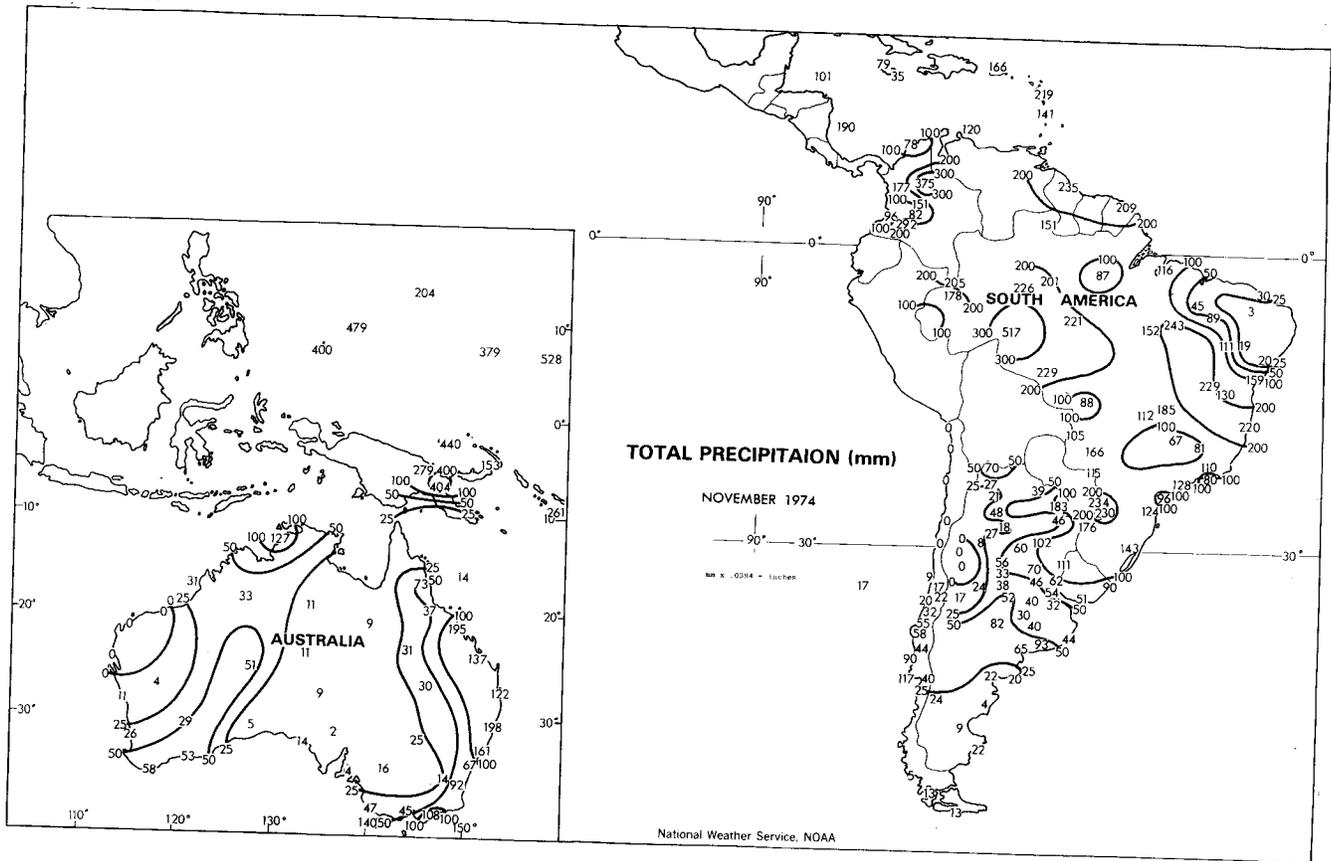
Soil moisture improved and with it tobacco prospects in the important states of Gujarat and Andhra Pradesh in India. In El Salvador, the dry season set in too early resulting in serious losses to corn, sorghum, rice, and dry beans.

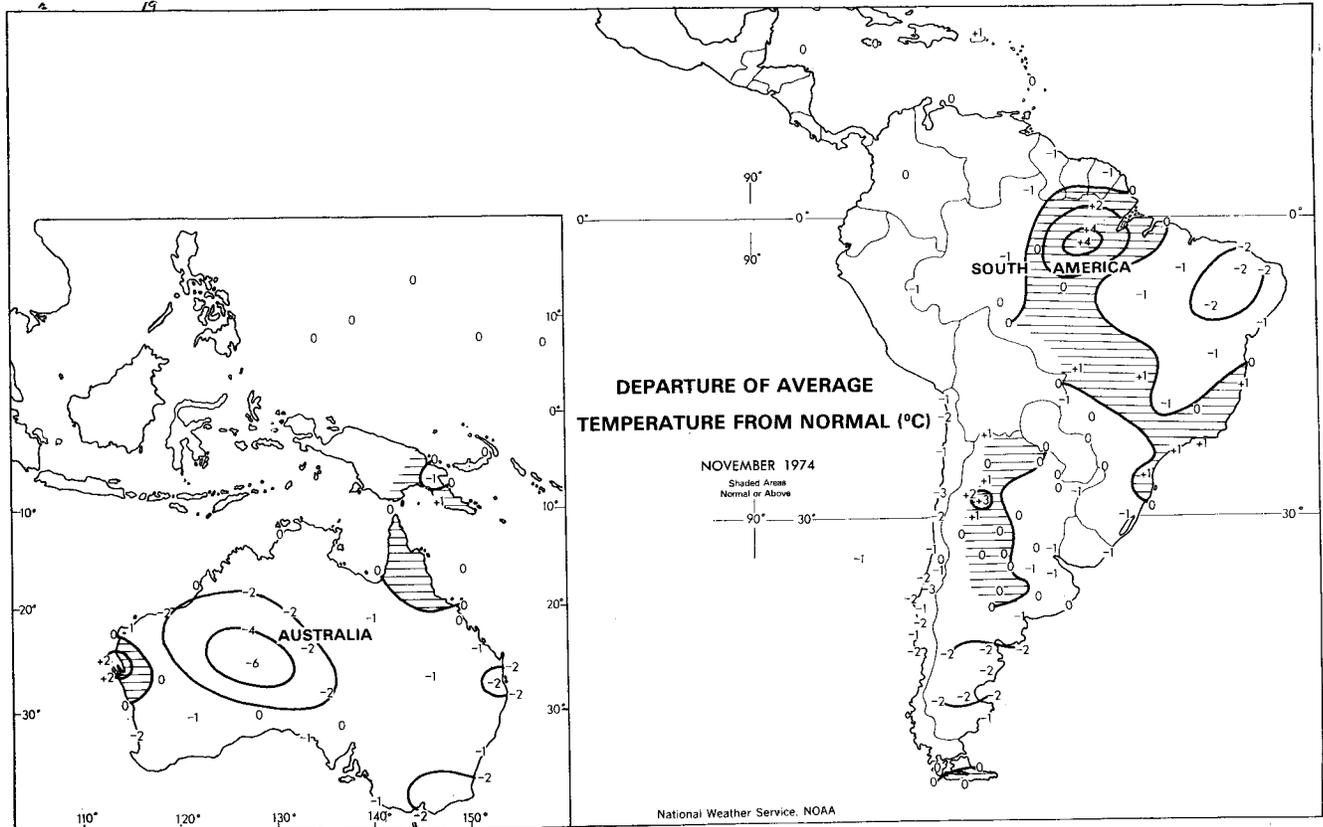
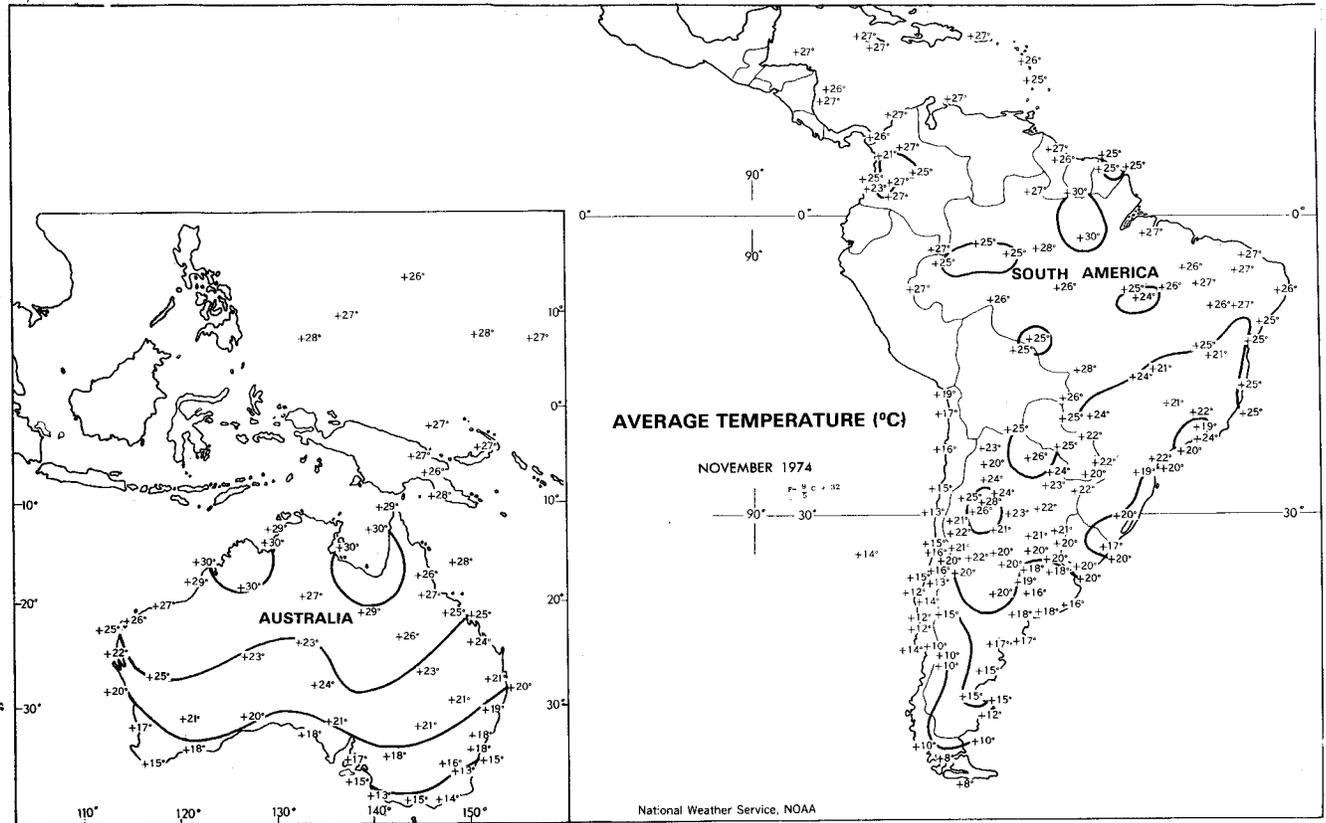














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