

# WEEKLY WEATHER AND CROP BULLETIN

U.S. DEPARTMENT OF COMMERCE  
National Oceanic and Atmospheric Administration,  
National Weather Service

U.S. DEPARTMENT OF AGRICULTURE  
Statistical Reporting Service  
and World Agricultural Outlook Board

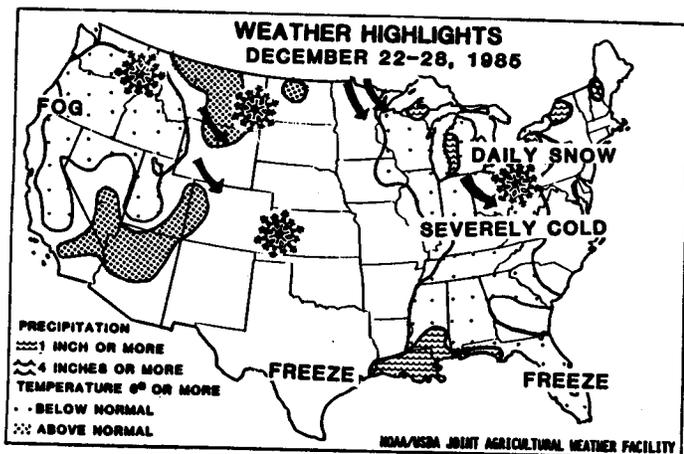
Volume 72, No. 52

WASHINGTON, D.C.

Dec. 31, 1985

## National Weather Summary

December 22 to 28, 1985



northern Alabama, through the Appalachians, and the mid-Atlantic States. A white Christmas loomed for much of the northeastern quadrant of the Nation. Light to moderate rain covered most of Florida, and the fog continued in the West.

WEDNESDAY...Subzero temperatures covered the northern Plains and much of the lower Great Lake States. Freezing weather reached to the gulf coast in Alabama and was approaching the east coast. Snow was generally light but covered the northern Plains from the Great Lakes to the Tennessee Valley and the Northeast. The cold air spread through the Plains to meet the warm air generated by the downslope winds on the lee side of the Rockies. Light snow fell in the western Plains.

THURSDAY...The arctic air covered most of the Nation except the extreme west coast and the southern tip of Texas. Freezing temperatures in Florida reached as far south as Lake Okeechobee in southern Florida. Light snow fell from the northern Plains to the Ohio Valley and New York. Moderate amounts fell in parts of the northern Plains and along the lee side of the Great Lakes. Strong, gusty winds blew through most of the snow area. Light rain showers fell late in the day in southeastern Texas and Louisiana.

FRIDAY...Temperatures were below freezing again in much of Florida but were not quite as cold as Thursday. Warming began in the lower Mississippi and Missouri Valleys. However, frigid weather continued from the northern Plains to New England. Light snow continued from the northern Plains to New England. Rain showers fell from Louisiana to Georgia. Fog and cold weather still covered most of the West except for coastal areas.

SATURDAY...Snow and strong gusty wind continued through the Great Lakes with heavy snow in parts of western New York. Rain showers covered the Southeast to eastern North Carolina. Light snow replaced some of the fog in the Northwest while light rain fell through much of California.

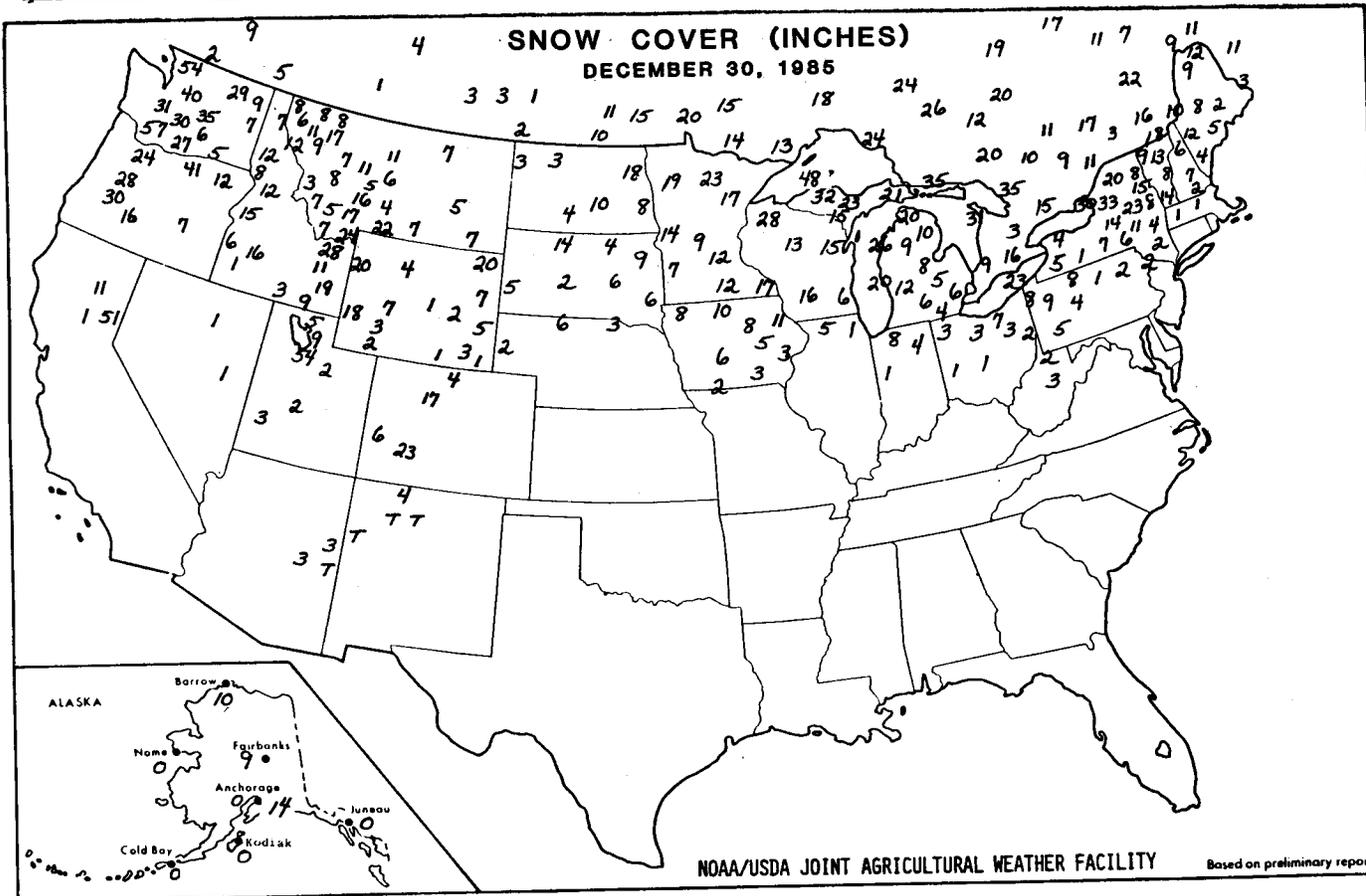
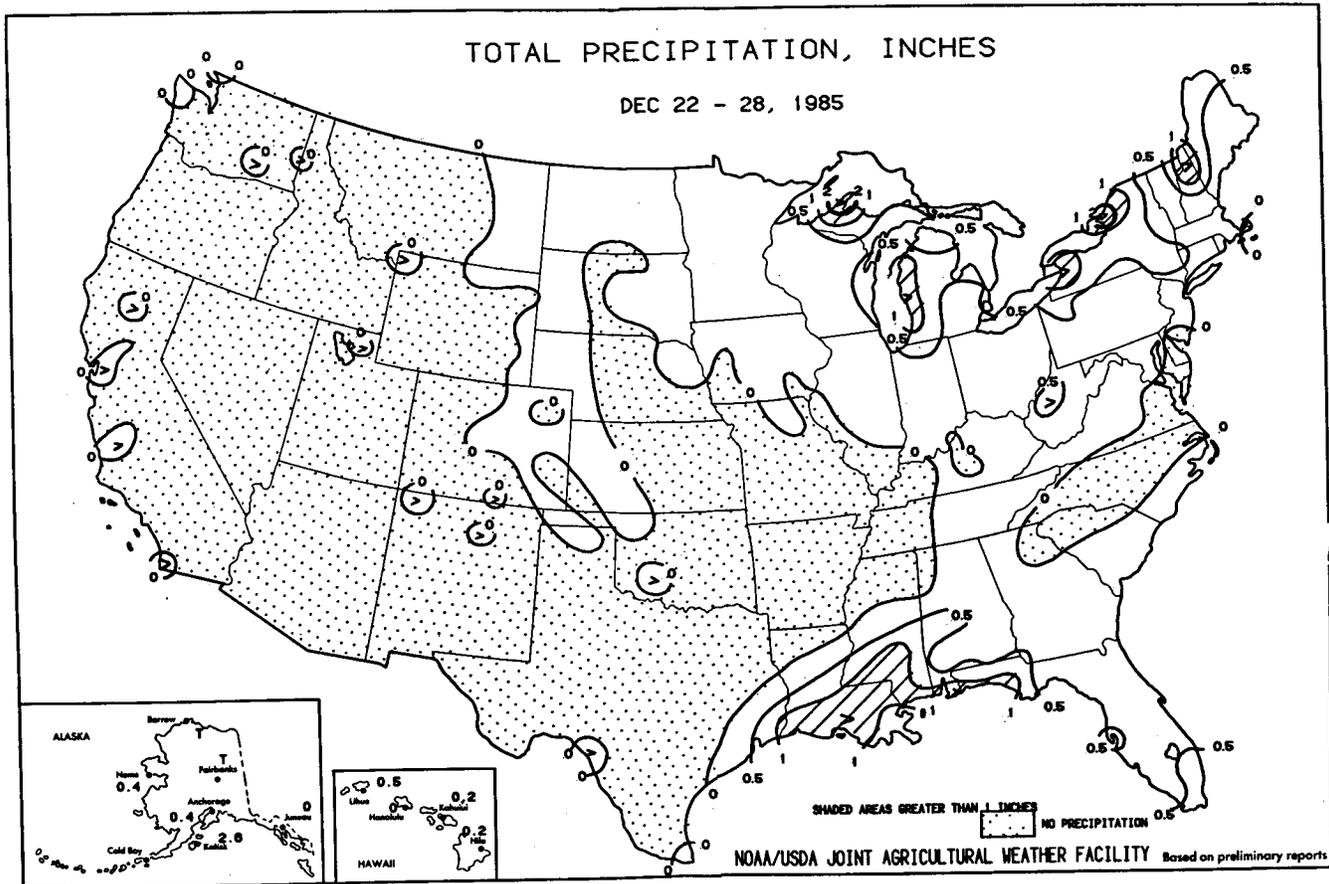
**HIGHLIGHTS:** The coldest weather of the season pushed into the northern Plains and the upper Mississippi Valley early in the week. Strong, gusty wind accompanied cold air as it plunged southward, and eastward to cover the East. Freezing temperatures reached into southern Florida to the Lake Okeechobee area on Thursday and Friday. Snow fell almost daily from the Great Lakes to the Ohio Valley and into New England. Moderate to heavy amounts accumulated on the lee side of the Lakes. Fog shrouded the West all week.

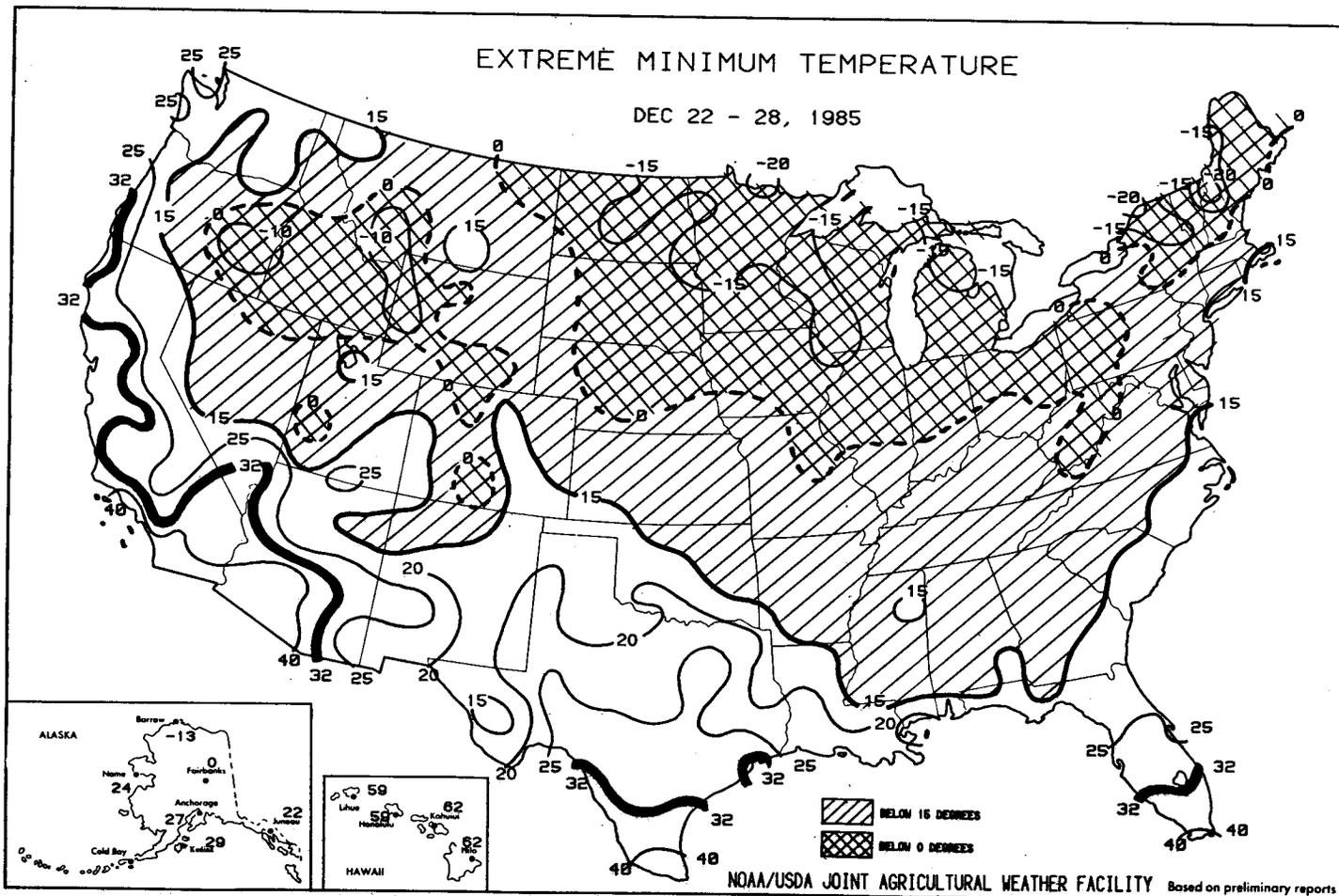
SUNDAY...Light snow fell in the northern States from the upper Mississippi Valley through New York, Pennsylvania, and New England. Winds blowing across the Great Lakes triggered occasional moderate snow, especially in western New York. Very cold weather covered most of eastern United States, but warmer weather prevailed in the western portion of the Plains because of downslope winds through the eastern Rockies.

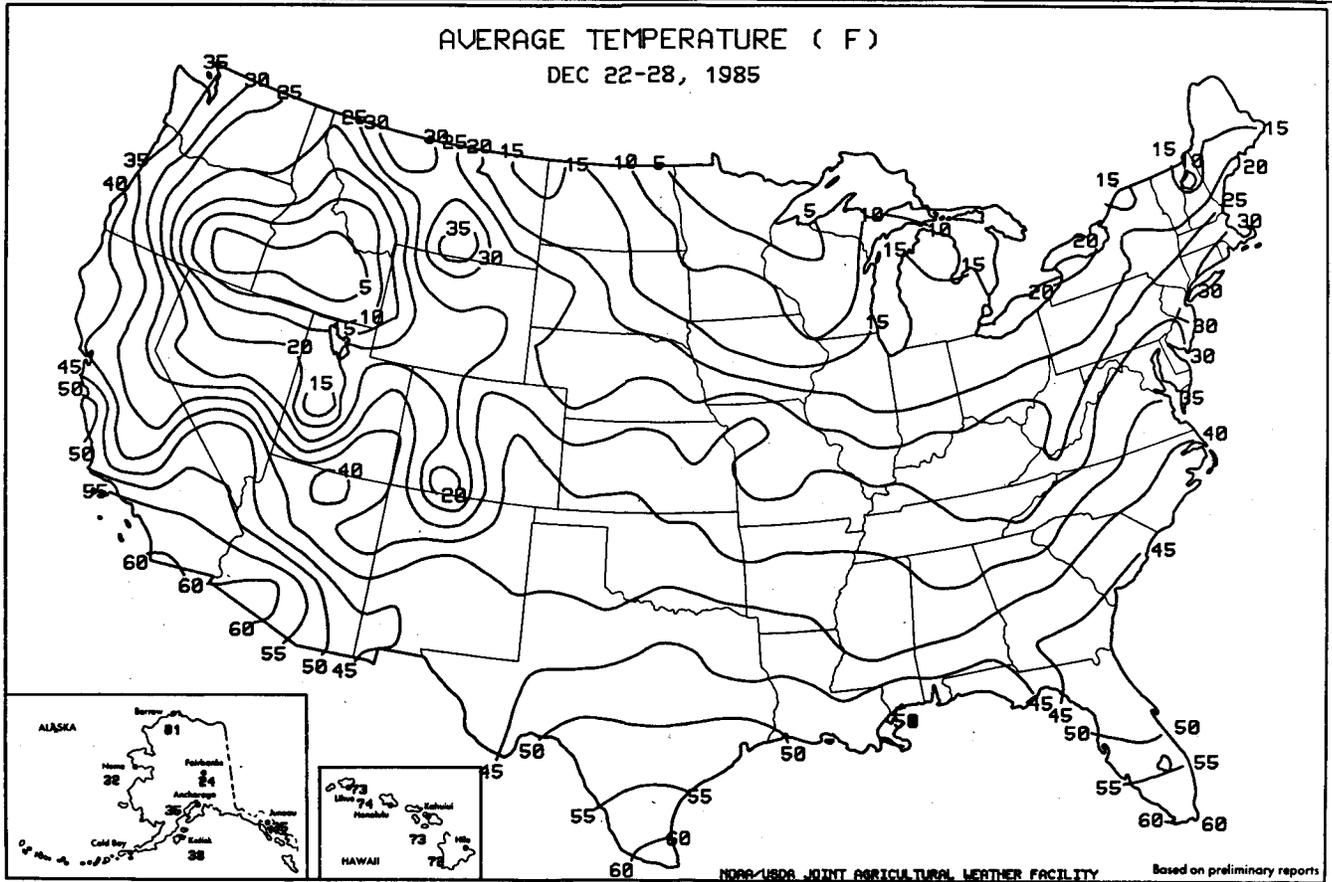
MONDAY...Light snow continued south and east of the Great Lakes. The snow was mixed with freezing drizzle in parts of the upper Ohio Valley and New York. Late in the day, another surge of very cold air pushed into the northern Plains and western Great Lakes and triggered light snow from the Dakotas to Kansas. Strong, northerly winds lowered visibilities in blowing snow. The western fourth of the Nation was shrouded in heavy fog.

TUESDAY...The frigid, arctic air continued its plunge into Eastern United States triggering moderate snow in the lee of the Great Lakes and along the leading edge of the cold air as it moved southward and eastward. Snow fell as far south as

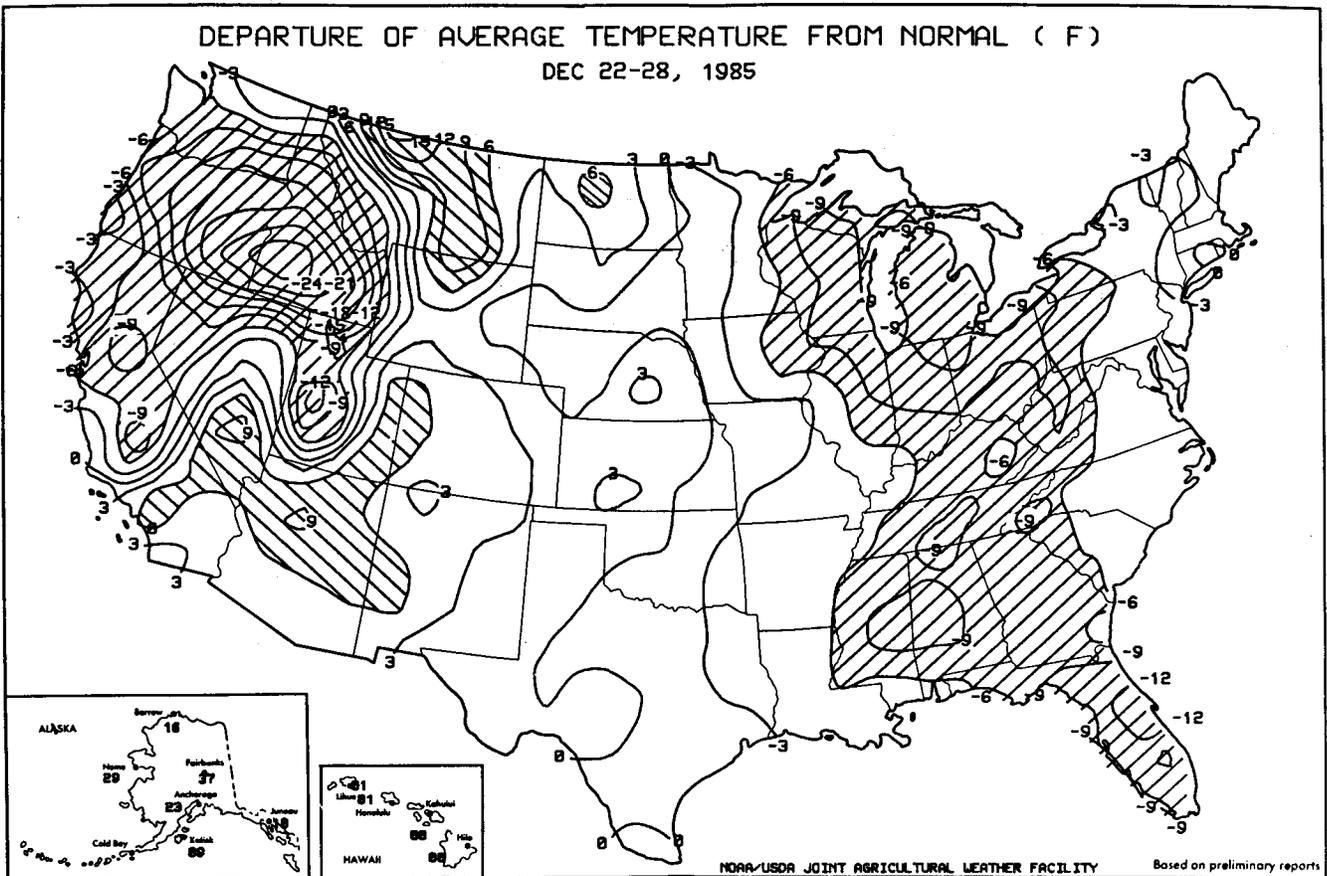
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Point values may differ on these computerized maps from the reported values in the tables.



Weather Data for the Week Ending December 28, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec. 1	PCT. NORMAL SINCE Dec. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL BIRMINGHAM	49	23	60	10	36	-8													
MOBILE	57	33	69	15	45	-7													
AK ANCHORAGE	51	26	65	10	39	-9													
BARROW	39	32	44	27	35	23													
FAIRBANKS	7	-6	22	-13	1	16													
JUNEAU	35	13	44	0	24	38													
KODIAK	39	32	48	22	35	38													
NOME	43	33	46	29	38	11													
AZ PHOENIX	36	28	41	24	32	29													
PRESCOTT	72	45	74	43	58	8													
TUCSON	62	26	64	25	44	6													
YUMA	73	39	75	36	56	8													
AR FORT SMITH	54	47	76	44	61	5													
LITTLE ROCK	71	20	64	11	35	5													
CA BAKERSFIELD	49	26	64	11	37	-4													
EUREKA	41	34	47	30	37	-10													
FRESNO	50	39	58	37	44	-3													
LOS ANGELES	41	35	44	34	38	-6													
RED BLUFF	69	47	81	45	58	2													
SACRAMENTO	45	31	52	28	38	-7													
SAN DIEGO	39	35	41	34	37	-8													
SAN FRANCISCO	72	47	78	46	59	3													
CO DENVER	49	37	51	35	43	-5													
GRAND JUNCTION	47	25	53	18	36	5													
PUEBLO	45	22	48	20	34	8													
CT BRIDGEPORT	46	23	53	16	35	3													
HARTFORD	36	22	49	14	29	-3													
DC WASHINGTON	43	16	46	6	25	-2													
FL APALACHICOLA	34	23	58	11	33	-4													
DAYTONA BEACH	59	34	70	19	46	-8													
JACKSONVILLE	61	32	76	22	46	-12													
KEY WEST	59	32	69	20	46	-8													
MIAMI	68	55	77	44	62	-8													
ORLANDO	68	47	76	38	58	-10													
TALLAHASSEE	61	36	77	26	49	-12													
TAMPA	59	28	71	13	44	-8													
WEST PALM BEACH	62	38	72	28	50	-10													
GA ATLANTA	67	43	77	33	55	-11													
AUGUSTA	48	25	59	9	37	-6													
MACON	52	26	66	12	39	-6													
SAVANNAH	53	27	67	11	40	-7													
HI HILO	56	32	70	16	44	-4													
HONOLULU	79	65	84	62	72	0													
KAHULUI	81	67	84	59	74	-2													
LIHUE	79	66	82	62	73	0													
ID BOISE	79	67	82	59	73	0													
LEWISTON	14	-6	18	-9	4	-26													
POCATELLO	21	17	23	14	19	-14													
IL CHICAGO	16	-6	20	-8	5	-20													
MOLINE	24	3	38	-11	14	-11													
PEORIA	28	7	38	-7	18	-5													
QUINCY	30	9	40	-7	20	-5													
ROCKFORD	35	12	43	-3	24	-4													
SPRINGFIELD	24	0	36	-12	12	-9													
IN EVANSVILLE	33	12	41	-3	23	-5													
FORT WAYNE	38	17	49	3	27	-6													
INDIANAPOLIS	27	7	34	-5	17	-10													
SOUTH BEND	30	9	37	-1	20	-9													
IA DES MOINES	26	6	35	-6	16	-10													
SIoux CITY	29	8	39	-6	19	-4													
WATERLOO	31	11	41	-2	21	-1													
KS CONCORDIA	25	1	37	-11	13	-5													
DODGE CITY	41	19	49	2	30	2													
GOODLAND	46	23	57	13	35	3													
TOPEKA	40	21	49	8	30	2													
WICHITA	41	19	49	5	30	1													
KY BOWLING GREEN	45	20	55	7	32	0													
LEXINGTON	39	19	52	6	29	-7													
LOUISVILLE	36	16	45	3	26	-8													
LA ALEXANDRIA	38	18	48	4	28	-7													
BATON ROUGE	56	35	67	22	46	-6													
LAKE CHARLES	58	33	68	19	46	-7													
NEW ORLEANS	59	38	69	24	49	-4													
	60	38	72	23	49	-4													

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

Weather Data for the Week Ending December 28, 1985

STATES AND STATIONS	TEMPERATURE °F						PRECIPITATION						RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS					
	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE Dec. 1	PCT. NORMAL SINCE Dec. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE		PRECIPITATION		
																90 AND ABOVE	52 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE	
SHREVEPORT	56	30	66	17	43	-4	0	-9	0	3.4	97	51.2	118	85	34	0	4	0	0	
ME CARIBOU	20	0	36	-14	10	10	.6	-1	.4	2.1	72	29.0	80	90	72	0	4	4	0	
PORTLAND	32	11	43	5	22	22	.2	-1	.1	2.4	58	34.0	79	88	53	0	7	4	0	
MD BALTIMORE	41	19	56	9	30	30	.1	-7	.1	.9	28	36.8	81	81	37	0	7	2	0	
SALISBURY	44	21	57	8	32	32	.1	-8	.1	.8	24	37.5	84	80	41	0	6	0	0	
MA BOSTON	37	21	53	13	29	29	.1	-9	.1	1.2	30	36.5	84	84	44	0	7	1	0	
CHATHAM	40	23	49	15	31	31	.1	0	.1	1.5	33	42.5	92	91	—	0	6	0	0	
MI ALPENA	20	3	30	-18	12	12	.4	0	.2	2.5	139	33.6	117	92	63	0	7	5	0	
DETROIT	27	9	35	15	18	18	.4	-2	.2	1.5	65	40.0	130	88	61	0	7	4	0	
FLINT	26	8	35	-2	17	17	.4	-6	.1	1.4	74	40.5	140	94	66	0	7	4	0	
GRAND RAPIDS	27	10	35	1	19	19	.6	0	.2	2.0	84	40.9	120	94	68	0	7	5	0	
HOUGHTON LAKE	18	4	32	-18	11	11	.6	-3	.3	1.9	109	33.4	121	90	68	0	7	6	0	
LANSING	27	8	34	-2	17	17	.3	-1	.1	1.1	54	33.7	115	94	70	0	7	4	0	
MARQUETTE	14	-2	27	-8	7	7	.6	-2	.4	3.9	173	51.7	140	96	76	0	7	6	0	
MUSKEGON	27	14	36	6	20	20	1.5	.9	.6	3.0	128	42.2	135	91	68	0	7	7	1	
SAULT STE. MARIE	16	-2	28	-17	7	7	.7	-1	.3	3.1	130	39.0	117	91	68	0	7	4	0	
MN ALEXANDRIA	21	-4	35	-17	8	8	.1	-1	.1	1.3	194	26.0	106	90	70	0	7	3	0	
DULUTH	13	-6	34	-17	4	4	.4	-1	.2	.8	66	31.9	108	89	63	0	7	3	0	
INT'L FALLS	10	-6	32	-20	2	2	.3	-1	.2	.5	56	30.2	124	89	67	0	7	4	0	
MINNEAPOLIS	21	2	39	-11	12	12	.3	-1	.2	1.3	159	31.8	121	85	60	0	7	3	0	
ROCHESTER	20	0	35	-11	10	10	.3	-2	.2	1.2	149	27.8	99	89	71	0	7	2	0	
MS GREENWOOD	51	25	63	13	38	38	0	-1	.2	3.4	70	38.2	73	87	38	0	6	0	0	
JACKSON	51	26	64	12	39	39	.5	-7	.5	3.5	71	47.3	90	94	39	0	5	1	0	
MERIDIAN	50	24	64	10	37	37	.7	-6	.6	3.7	71	51.5	98	94	37	0	5	2	1	
MO CAPE GIRARDEAU	41	20	51	6	31	31	0	-8	0	1.7	49	47.3	107	85	51	0	6	0	0	
COLUMBIA	40	16	47	0	28	28	-1	-3	0	3.5	197	55.9	156	80	50	0	6	0	0	
KANSAS CITY	39	18	46	3	28	28	0	-1	0	1.2	98	52.7	151	82	50	0	7	0	0	
SAINT LOUIS	41	18	52	2	29	29	0	-2	0	3.7	181	50.7	150	81	49	0	6	0	0	
SPRINGFIELD	42	17	52	5	30	30	0	-4	0	3.1	130	56.5	144	81	42	0	7	0	0	
MT BILLINGS	44	27	50	18	35	35	0	-2	0	.2	27	12.8	85	61	35	0	6	0	0	
GLASGOW	28	10	39	-1	19	19	0	-1	0	.5	148	12.8	111	88	68	0	7	3	0	
GREAT FALLS	40	22	44	12	31	31	0	-2	0	.4	61	17.0	112	79	50	0	7	0	0	
HAVRE	35	21	40	11	28	28	0	-1	0	.9	9	11.1	100	85	63	0	7	0	0	
HELENA	25	5	41	-5	15	15	0	-1	0	.4	65	9.2	81	97	68	0	7	0	0	
KALISPELL	22	19	23	17	20	20	0	-4	0	.3	31	14.4	91	95	87	0	7	0	0	
MILES CITY	33	15	42	6	24	24	0	-1	0	.5	89	12.3	88	87	61	0	7	1	0	
MISSOULA	19	8	24	4	13	13	0	-3	0	.4	37	12.5	95	96	87	0	7	0	0	
NE GRAND ISLAND	38	16	47	0	27	27	0	-1	0	.3	44	28.7	123	83	46	0	7	0	0	
LINCOLN	37	15	47	2	26	26	0	-1	0	.4	63	30.9	115	77	48	0	7	0	0	
NORFOLK	32	13	42	-1	23	23	0	-1	0	.5	82	25.8	109	81	57	0	7	1	0	
NORTH PLATTE	34	13	42	-1	23	23	0	-1	0	.8	198	19.4	100	79	54	0	7	0	0	
OMAHA	33	13	42	-2	23	23	0	-1	0	.4	50	22.3	75	73	57	0	7	0	0	
SCOTTSBLUFF	35	13	42	-2	24	24	0	-1	0	1.1	238	11.8	81	84	55	0	7	2	0	
VALENTINE	32	9	42	-16	21	21	0	-1	0	.3	90	15.0	88	79	58	0	7	0	0	
NV ELY	44	8	53	5	26	26	0	-2	0	.5	65	9.7	108	81	43	0	7	0	0	
LAS VEGAS	65	36	69	34	51	51	0	-1	0	.3	3	1.3	31	47	19	0	0	0	0	
RENO	30	22	38	21	26	26	0	-3	0	.3	31	4.8	65	98	83	0	7	0	0	
WINNEMUCCA	25	12	40	4	18	18	0	-2	0	.2	29	6.4	82	99	84	0	7	0	0	
NH CONCORD	29	7	35	-8	18	18	0	-4	0	1.7	53	30.9	85	95	54	0	7	3	0	
NJ ATLANTIC CITY	40	21	55	7	30	30	0	-8	0	.8	24	29.8	72	82	43	0	6	0	0	
NM ALBUQUERQUE	54	24	56	21	39	39	0	-1	0	.1	19	10.7	132	68	25	0	7	0	0	
CLOVIS	53	24	62	20	39	39	0	-1	0	.2	30	27.8	164	71	29	0	7	0	0	
ROSWELL	63	23	72	19	43	43	0	-1	0	.1	27	12.5	129	70	19	0	7	0	0	
NY ALBANY	30	10	45	-7	20	20	0	-3	0	.3	2.0	75	29.8	84	89	53	0	7	4	0
BINGHAMTON	25	9	38	-1	17	17	0	-2	0	.2	82	33.6	92	90	56	0	7	6	0	
BUFFALO	26	14	37	6	20	20	0	-6	0	.6	4.7	150	45.8	123	93	60	0	7	7	1
NEW YORK	39	24	53	14	32	32	0	-2	0	.7	19	36.9	87	66	39	0	6	0	0	
ROCHESTER	26	12	39	6	19	19	0	-7	0	.1	69	30.1	97	89	55	0	7	3	0	
SYRACUSE	28	14	43	6	21	21	0	-4	0	.1	1.8	60	32.4	84	88	57	0	7	5	0
NC ASHEVILLE	43	14	57	3	28	28	0	-10	0	1.0	32	36.5	77	88	33	0	7	0	0	
CHARLOTTE	48	23	61	9	35	35	0	-6	0	.7	24	49.2	115	75	34	0	5	0	0	
GREENSBORO	45	19	59	6	32	32	0	-6	0	1.2	40	37.0	88	78	32	0	7	0	0	
HATTERAS	52	36	63	21	44	44	0	-3	0	.1	16	67.1	121	84	48	0	4	1	0	
NEW BERN	53	28	67	17	41	41	0	-1	0	.7	17	53.3	101	83	32	0	5	1	0	
RALEIGH	48	23	62	10	35	35	0	-5	0	.7	26	38.2	92	69	31	0	5	0	0	
WILMINGTON	55	31	68	17	43	43	0	-2	0	1.3	43	43.9	83	79	34	0	5	1	0	
ND BISMARCK	27	5	40	-17	16	16	0	4	0	.3	71	17.8	116	85	65	0	6	1	0	
FARGO	20	-1	38	-13	10	10	0	1	0	.1	.6	98	19.1	98	87	68	0	7	3	0
GRAND FORKS	20	-4	38	-14	8	8	0	1	0	.1	.3	49	17.1	94	86	66	0	7	3	0
WILLISTON	26	3	38	-9	14	14	0	3	0	.1	.6	114	12.5	91	88	71	0	7	3	0
OH AKRON-CANTON	26	9	35	-3	17	17	0	-10	0	.3	-3	117	38.9	109	91	66	0	7	5	0
CINCINNATI	33	13	41	1	23	23	0	-9	0	.1	-6	57	44.1	111	83	61	0	7	3	0
CLEVELAND	27	8	36	-3	17	17	0	-11	0	.3	-3	100	41.1	117	89	63	0	7	6	0
COLUMBUS	31	12	38	0	22	22	0	-8	0	.1	1.8	77	38.6	105	85	59	0	6	4	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

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	AVERAGE MAXIMUM	AVERAGE MINIMUM	EXTREME HIGH	EXTREME LOW	AVERAGE	DEPARTURE FROM NORMAL	WEEKLY TOTAL, IN.	DEPARTURE FROM NORMAL	GREATEST IN 24-HOUR, IN.	TOTAL, IN., SINCE DEC. 1	PCT. NORMAL SINCE DEC. 1	TOTAL, IN., SINCE JAN 1	PCT. NORMAL SINCE JAN 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	TEMPERATURE °F		PRECIPITATION	
																90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
DAYTON	30	9	37	-1	19	-10	.1	-.4	.1	2.2	99	35.8	104	86	66	0	7	2	0
TOLEDO	28	9	35	-1	18	-7	.3	-.3	.1	1.6	67	38.3	121	98	72	0	7	5	0
YOUNGSTOWN	26	9	35	-4	18	-9	.2	-.4	.1	2.0	82	39.6	107	92	63	0	7	5	0
OK OKLAHOMA CITY	50	25	60	17	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TULSA	50	24	62	11	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0
OR ASTORIA	47	29	53	23	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BURNS	—	-10	-999	-12	—	4	0	0	0	0	0	0	0	0	0	0	0	0	0
MEDFORD	41	23	53	20	32	-5	0	0	0	0	0	0	0	0	0	0	0	0	0
PENDLETON	19	17	21	17	18	-16	0	0	0	0	0	0	0	0	0	0	0	0	0
PORTLAND	37	27	45	22	30	-10	0	0	0	0	0	0	0	0	0	0	0	0	0
SALEM	41	23	40	15	30	-10	0	0	0	0	0	0	0	0	0	0	0	0	0
PA ALLENTOWN	35	18	45	8	26	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
ERIE	27	11	37	-1	19	-8	0	0	0	0	0	0	0	0	0	0	0	0	0
HARRISBURG	34	18	41	9	26	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
PHILADELPHIA	40	21	53	11	31	-5	0	0	0	0	0	0	0	0	0	0	0	0	0
FITTSBURGH	30	12	38	-2	21	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
SCRANTON	31	15	46	4	23	-4	0	0	0	0	0	0	0	0	0	0	0	0	0
RI PROVIDENCE	38	18	52	11	28	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
SC CHARLESTON	55	32	68	18	43	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
COLUMBIA	52	28	66	13	40	-6	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORENCE	54	30	67	15	42	-4	0	0	0	0	0	0	0	0	0	0	0	0	0
GREENVILLE	47	21	59	5	34	-4	0	0	0	0	0	0	0	0	0	0	0	0	0
SD ABERDEEN	25	4	39	-15	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HURON	25	5	38	-14	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RAPID CITY	33	14	45	4	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SIOUX FALLS	25	5	37	-12	15	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
TN CHATTANOOGA	45	21	56	10	33	-7	0	0	0	0	0	0	0	0	0	0	0	0	0
KNOXVILLE	43	20	53	8	32	-8	0	0	0	0	0	0	0	0	0	0	0	0	0
MEMPHIS	46	24	59	12	35	-6	0	0	0	0	0	0	0	0	0	0	0	0	0
NASHVILLE	44	20	54	9	32	-7	0	0	0	0	0	0	0	0	0	0	0	0	0
TX ABILENE	57	31	71	24	44	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
AMARILLO	53	25	61	19	39	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
AUSTIN	62	40	71	27	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BEAUMONT	64	39	71	23	51	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWNSVILLE	71	53	78	43	62	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
CORPUS CHRISTI	66	47	74	37	56	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
DEL RIO	63	40	69	32	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EL PASO	63	25	67	20	44	1	0	0	0	0	0	0	0	0	0	0	0	0	0
FORT WORTH	57	31	70	22	44	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
GALVESTON	61	45	66	33	53	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
HOUSTON	62	40	70	27	51	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
LUBBOCK	57	26	65	19	41	1	0	0	0	0	0	0	0	0	0	0	0	0	0
MIDLAND	62	27	70	25	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN ANGELO	62	32	72	23	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN ANTONIO	63	40	72	26	51	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VICTORIA	64	42	74	30	53	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
WACO	59	33	70	25	46	-2	0	0	0	0	0	0	0	0	0	0	0	0	0
WICHITA FALLS	55	27	68	19	41	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
UT BLANDING	50	22	56	19	36	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
CEDAR CITY	43	10	56	5	26	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
SALT LAKE CITY	27	22	28	18	25	-4	0	0	0	0	0	0	0	0	0	0	0	0	0
VT BURLINGTON	28	9	41	-12	18	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
VA NORFOLK	48	27	64	17	38	-4	0	0	0	0	0	0	0	0	0	0	0	0	0
RICHMOND	45	23	59	8	34	-4	0	0	0	0	0	0	0	0	0	0	0	0	0
ROANOKE	41	21	53	7	31	-6	0	0	0	0	0	0	0	0	0	0	0	0	0
WA COLVILLE	27	23	30	22	25	-1	0	0	0	0	0	0	0	0	0	0	0	0	0
QUILLAYUTE	48	21	55	10	35	-5	0	0	0	0	0	0	0	0	0	0	0	0	0
SEATTLE-TACOMA	37	28	41	24	33	-7	0	0	0	0	0	0	0	0	0	0	0	0	0
SPOKANE	22	18	26	14	20	-7	0	0	0	0	0	0	0	0	0	0	0	0	0
YAKIMA	22	19	23	14	20	-9	0	0	0	0	0	0	0	0	0	0	0	0	0
WV BECKLEY	32	15	40	-1	23	-3	0	0	0	0	0	0	0	0	0	0	0	0	0
CHARLESTON	39	19	47	4	29	-6	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNTINGTON	37	18	45	5	28	-7	0	0	0	0	0	0	0	0	0	0	0	0	0
PARKERSBURG	33	14	40	-1	23	-9	0	0	0	0	0	0	0	0	0	0	0	0	0
WI GREEN BAY	18	-2	33	-10	8	-10	0	0	0	0	0	0	0	0	0	0	0	0	0
LA CROSSE	20	0	38	-13	10	-8	0	0	0	0	0	0	0	0	0	0	0	0	0
MADISON	21	0	36	-14	11	-9	0	0	0	0	0	0	0	0	0	0	0	0	0
MILWAUKEE	23	2	36	-9	12	-10	0	0	0	0	0	0	0	0	0	0	0	0	0
WAUSAU	16	-4	33	-13	6	-9	0	0	0	0	0	0	0	0	0	0	0	0	0
WY CASPER	33	16	37	6	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHEYENNE	40	24	45	13	32	4	0	0	0	0	0	0	0	0	0	0	0	0	0
LANDER	32	15	47	1	23	2	0	0	0	0	0	0	0	0	0	0	0	0	0
SHERIDAN	42	24	49	14	33	11	0	0	0	0	0	0	0	0	0	0	0	0	0
PR SAN JUAN	83	70	85	69	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BASED ON PRELIMINARY REPORTS AND 1951-80 NORMALS

HEATING DEGREE DAY DATA WEEKLY SUMMARY
CLIMATE ANALYSIS CENTER-NMC-NWS-NOAA
ASSESSMENT AND INFORMATION SERVICES CENTER-NEHSDIS-NOAA

LAST DATE OF DATA COLLECTION PERIOD IS 12-28-1985
ACCUMULATIONS ARE FROM JULY 1
\*\* = NORMAL LESS THAN 100 OR RATIO INCALCULABLE

Table with columns: STATE CITY, CALL WEEK, WEEK, WEEK, WEEK, CUM, CUM, CUM, CUM, CUM, STATE CITY, CALL WEEK, WEEK, WEEK, WEEK, CUM, CUM, CUM, CUM, CUM. It lists weather data for various cities across the United States, including Birmingham, Los Angeles, New York, and San Francisco.

## National Agricultural Summary

December 22-28, 1985

**HIGHLIGHTS:** Colder than normal temperatures in the Northwest and the eastern half of the Nation hampered farm activities. Freezing temperatures were as far south as southern Florida. Precipitation fell across the north-central States, the Gulf coast, and the eastern third of the Nation. The West and parts of the Midwest were relatively dry, allowing some harvest progress on row crops.

Winter wheat was fair to good as planting was nearly finished in the South and Southeast. Snow cover was adequate in most Northern States, but in Kansas the snowcover melted. Cotton harvest continued at a near-normal pace with most States having 90 percent (%) or more of the crop picked. Some limited progress was made harvesting corn and soybeans, but unfavorable field conditions hampered efforts. Cold weather hurt Florida's vegetable and citrus crops. Pasture and ranges were fair to good as supplemental feeding continued in most areas.

**SMALL GRAINS:** Winter wheat plantings were nearly completed in the South and Southeast with most emerged stands fair to good. Cold weather slowed small grain development throughout most of the South. Most Northern States still have adequate snowcover to protect the small grains from cold temperatures with the crop mostly good. However, in Kansas snowcover was melting, exposing the winter wheat.

**COTTON:** Cotton harvest was nearly finished in the Southeast as weather permitted cotton picking. Oklahoma harvested 85% of their cotton while Texas was 91% complete, 3 percentage points above normal. In Arizona and New Mexico 98 and 95% were harvested, respectively, up 2 and 5 percentage points from last week. In California only a few fields remain unpicked.

**OTHER CROPS:** In the Midwest, harvest progress for corn and soybeans continued but was limited in most areas. Missouri's open weather and frozen ground allowed farmers to harvest row crops at a good pace. Soybean harvest progressed a little faster in the east as North Carolina combined another 11% of its soybeans progressing to 88% harvested. In Texas, peanut harvest was 95% complete compared with 97% last year and a 99% average. Sunflower harvest was 98% complete, and sugarbeets were 96% harvested.

Florida's sugarcane harvest was progressing favorably, and Louisiana's harvest was nearing completion.

In the Southeast, farmers were preparing seedbeds for next year's tobacco crop.

**VEGETABLES:** Cold temperatures hit Florida causing heavy losses to cucumbers and squash in the Southwest area. Most tomatoes and peppers had top foliage burn, and production will be slightly reduced. The older crop of cucumbers and squash in the Ft. Pierce-Stuart area received heavy damage, but only light damage was elsewhere in the Southeast. Vegetable harvest was expected to

increase after the holidays. The young spring crops received mostly light foliage burn. Strawberries survived the frost with water protection. In Texas, cabbage, broccoli, and cauliflower continued to be harvested in the Rio Grande Valley. Limited amounts of carrots were also being harvested. Onions were showing good growth. In the San Antonio-Winter Garden area, cabbage, carrots, spinach, and other greens continued to be harvested with few disease problems. Cold weather 2 weeks ago damaged the spinach, but most fields should rebound. In Arizona, lettuce harvest was continuing around Yuma while winding down in the Salt River Valley and Parker-Poston area. Cauliflower was being harvested on a large scale in Yuma. Mixed vegetables continued to be shipped. Immature winter vegetables were making normal progress. California artichoke harvest has been fairly light. Broccoli supplies were moderate in the Salinas-Watsonville area and heavy around Santa Maria. Broccoli harvest also continued in the San Joaquin Valley, south coast, and desert. Carrot harvest was light in the Salinas Valley, moderate in the San Joaquin Valley, and light in the desert. Cauliflower harvest was light in the Santa Maria area and slowed by frost around Fremont. Cauliflower cutting continued in the desert, south coast, and San Joaquin Valley. Celery harvest was active on the south coast and light on the central coast. Lettuce harvest was decreasing in the Palo Verde Valley but increasing in the Imperial Valley. Strawberry planting continued with early fields blooming on the south coast.

**FRUIT AND NUTS:** Freezing temperatures in Florida's citrus groves were on December 26 and 27. December 27 were the coldest day with temperatures dropping below 28 degrees. Slush ice of varying degrees was found in some orange samples. In Texas the shipment of early oranges and grapefruit was almost over for the season. Grapefruit, lemons, tangerines, and Navel and sweet oranges were being picked in Arizona with no frost problems. California's desert lemon harvest was 90% complete. Navel oranges in Glenn County were hurt by a hard frost. Deciduous orchards and vineyards were being pruned and sprayed, but activities slowed in the northern part of the State due to cold weather and fog. Avocado harvest continued. Pecan harvest continued in the Southern States. Texas had 87% of the crop harvested compared with 93% last year and an average of 91%. Mississippi was also behind normal with 92% harvested compared with a 99% average.

**PASTURE AND LIVESTOCK:** Pastures were fair to good, but cool weather limited grass growth. Hay and roughage shortages continued in some northern areas. Improved weather in Montana has opened up some pastures, helping to conserve scarce hay. Ranchers in some States were concerned that feed supplies may become short if cold weather continues to force heavy supplemental feeding. Livestock were fair to good. Lambing and calving continued in many States.

## State Summaries of Weather and Agriculture

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

**ALABAMA:** Precipitation totals mostly under 0.50 in. with light snow north. Temperatures averaged 80 below normal. Soil moisture mostly adequate. Soybeans harvested 100%, 100% 1984, 100% avg. Winter wheat planted 99%, 100% 1984, 99% avg.; mostly good condition.

**ARKANSAS:** Dry week with passage of 2 dry, cold fronts. Only traces of precipitation few stations on Christmas as Arctic front moved through State. Temperature extremes 40; 710.

**ARIZONA:** No precipitation. Upper level high pressure system brought sunny, mild days and clear, cool nights. Average temperatures varied 1 to 80 above seasonal normals.

Cotton harvested 98%, 99% 1984, 95% avg. Stalk shredding, plowdown near completion west, gaining momentum central areas. Wheat, barley seedbed preparation, planting progressed, 55% of acreage seeded, 50% 1984. Plants emerging, some stands established. Germination slowed, west, due to low soil temperatures. Alfalfa good condition. Sheep grazing heavy, central area, light to moderate elsewhere. Late corn good condition. Grapefruit, lemons, tangerines, Navel and sweet oranges picked. Frost damage not a problem. Pecan harvest continued. Vegetable shipping remained active. Lettuce harvest continued, Yuma; winding down Parker-Poston, Salt River Valley. Cauliflower harvested Yuma on large scale. Mixed vegetables also shipped. Immature winter vegetables making normal progress. Ranges, pastures received little rainfall during December. Range feed supplies adequate. Livestock fair to good condition. Stockwater supplies, soil moisture adequate.

**CALIFORNIA:** Strong high pressure remained over State entire week. Persistent fog continued in northern and central valleys of State while clear skies dominant elsewhere. Temperatures well below normal under fog areas while locations out of fog well above normal. Only rainfall reported was some light drizzle at few central valley stations.

Wheat, oats, barley hampered by cold, fog. Cotton shredding, discing continued. Few fields remained to be picked. Herbicide applications, sheeping off alfalfa. Sugarbeets progressed normal. Activity in deciduous orchards and vineyards include pruning, herbicide applications; dormant spraying and fumigation. Activities slowed somewhat in northern part of State due to cold and fog. Avocado harvest continued. Desert lemons ninety percent complete. One-fourth of Glenn County Navel oranges damaged by hard frost. Artichokes fairly light supply, some frosted appearance. Broccoli supplies moderate Salinas-Watsonville, heavy Santa Maria, harvest continued San Joaquin Valley, south coast, desert. Carrot harvest light Salinas Valley, moderate San Joaquin Valley, light desert. Cauliflower harvest light Santa Maria, slowed by frost Fermont. Cutting continued desert, south coast, San Joaquin Valley. Celery harvest active south coast, light central coast. Lettuce harvest decreasing Palo Verde Valley, increasing Imperial Valley, wide range sizes. Fall potato movement seasonally light. Light movement winter potatoes. Strawberry planting continued with early fields blooming south coast. Minneola and Orlando tangelos and Dancy and Fairchild tangerines harvested. Foggy, cold weather retarded grass growth central valley, Foothill

districts. Coastal southern areas needed moisture continue growth. Calving, lambing peak levels northern districts. Stockwater supplies continued low. Movement bee hives rangelands for overwintering continued.

**COLORADO:** Light snow northeast, 23rd, as an Arctic front moved into State. Precipitation mostly less than 0.10 in. Few snow showers 25th, amount light. Little or no precipitation fell elsewhere. Temperatures were mostly 4 to 80 above normal.

Corn harvested 100%, 100% 1984, 100% avg.

**FLORIDA:** Sunny skies, cold temperatures first part of period gave way Christmas Day to a cold front with considerable cloudiness, more record breaking cold air. Morning of 26th, readings in north slipped into low teens, and in Belle Glade - Immokalee area, into 20s. Temperatures recovered latter half of period but remained below normal. Weak cold front moved through on 29th with cloudiness but no significant precipitation.

Soil moisture adequate, southern Peninsula, Panhandle areas, short most north central, northern areas. Sugarcane harvest progressing favorably. Soybean harvest virtually complete. Small grain fair to good condition; growth slowed by cold weather. Field activities curtailed by freezing temperatures. Winter grazing reduced by heavy frost, freezing temperatures most of State. Supplemental feeding very active. Pastures mostly poor to fair except good, lower Peninsula. Cattle, fair to good, lower Peninsula, mostly fair elsewhere. Freezing temperatures citrus groves mornings 26th, 27th. The 27th was coldest with longer durations below 280. Slush ice of varying degree found in some orange samples. Cold front invaded vegetable areas 26th, 27th. Temperatures dropped to low 20s, colder areas central, north. Readings dipped to upper 20s west central, southwest, southeast. Dade County escaped frost. Some light to moderate damage hardy crops central, north. Strawberries survived with water protection. Heavy loss cucumbers, squash southwest; mostly salvage harvest remaining. Tomatoes, peppers mostly top foliage burn, production reduced slightly. Older crops of cucumbers, squash Ft. Pierce-Stuart area received heavy damage, but damage light elsewhere in southeast. Harvest most crops expected to gain after holidays. Young spring crop received mostly light foliage burn.

**GEORGIA:** Strong Arctic air mass spread into State Christmas Day. Temperatures 5 to 70 below normal. Extremes 720 Waycross and Jesup on 24th to 50 Cornelia and Calhoun on 26th. Low to mid-teens observed as far south as Florida border on morning of 26th. Rainfall under 0.50 in. Greatest 1.02 in. at Bainbridge. Rain fell on only one day at most locations.

Soil moisture mostly adequate. Main activities: Livestock and poultry care, small grain planting, tobacco bed preparation, limited soybean harvest and holiday celebration.

**HAWAII:** Crops made fair progress under partly cloudy skies. Light showers occurred throughout islands as frontal band passed through island chain. Southerly winds during beginning of week returning to northeasterly direction toward weekend. Vegetable output light to moderate. Banana and papaya orchards fair to good

condition. Harvesting of papayas at low level but expected to increase few weeks.

**IDAHO:** Very strong high pressure at surface centered over south. High pressure kept storm track well to north and formed strong inversion over many valley locations. No measurable precipitation reported.

Extremely cold temperatures. South frigid with temperatures averaging up to 28° below normal. Afternoon highs ranged in teens, overnight lows well below zero. North slightly warmer, but well below normal. Minimal farm activity due to weather. Primarily livestock care, feeding, and marketing. Early lambing continues.

**ILLINOIS:** Temperatures 5 to 15° below normal. Precipitation light, 0 to 0.30 in., mostly northeast.

**INDIANA:** Below normal temperatures and precipitation. Lows from 6 to 8° below zero north; zero to 1 or 2° above south. Highs mid-thirties north to upper thirties south. Precipitation 0.10 to 0.20 in. north; 0.00 to 0.05 south.

Frozen soils coupled with a light snowcover permitted limited harvesting activity. Corn 95% harvested, 99% 1984, 100% avg. Soybeans 98% harvested, 98% 1984, 100% avg. Other activities: Thawing water supplies, cutting firewood, removing snow, repairing equipment, caring for livestock, and doing usual chores.

**IOWA:** Dry week 1 to 2 in. new snow 27th northeast. Late week temperatures moderate. Few degrees subnormal. Low -11° 25th, high 41° 26th.

Farmers primarily caring for livestock. Checking on stored grain. Some limited harvesting progress.

**KANSAS:** Temperatures averaged 28 to 33°, 1 to 2° below normal northeast and southeast, normal to 2° above normal elsewhere. Precipitation averaged 0.10 in. west, little to none central and coast. Snow flurries west.

Snowcover largely melted, exposing winter wheat to possible freeze damage. Clear weather and absence of snow allowed windup of soybean harvest some eastern areas.

**KENTUCKY:** Precipitation 0.25 in. or less, many locations measuring trace; about 0.75 in. below normal. Temperatures averaged 5 to 8° below normal, very cold air 24th; 25th. Low reading slightly above zero. Milder weather preceded and followed bitter cold with highs in 40s.

Farm activity minimal Christmas week. Most burley stripped. Some row crops still in field. Frozen ground allowed limited harvesting. Livestock being fed supplemental feed. Cold increased winter chores.

**LOUISIANA:** Temperatures averaged 4 to 6° below normal. Temperature extremes 16°; 73°. Rain totals averaged 0 to 1.25 in.

Harvesting sugarcane, soybeans, pecans. Planting of winter wheat. Caring for livestock.

**MARYLAND & DELAWARE:** **Maryland:** Temperatures mostly 5 to 8° below normal; highs mid 40s to low 40s extreme west; lows 10 to 15° below zero extreme west. Precipitation average 0.15 in., mostly as snow 27th.

Fieldwork 4.2 days suitable. Topsoil and subsoil moisture adequate. Soybean 99% harvested, 100% 1984, 100% avg. Some soybean fields west of bay remain to be harvested. Small grains good condition.

**Delaware:** Temperatures 8 to 10° below normal; highs in mid 40s north and upper 50s elsewhere; lows 9 to 11°. Precipitation average 0.12 in., as snow on 27th.

Fieldwork 5 days suitable. Topsoil and subsoil moisture adequate. Soybeans 98% harvested, 100% 1984, 100% avg. Only fields in New Castle County in north remain to be harvested. Small grains good condition.

**MICHIGAN:** Temperatures averaged 8° below normal. Precipitation light to moderate.

Snow and cold temperatures limited fieldwork to 3.0 days. Corn 91% harvested, 100% 1984, 100% avg. Soybeans 96% harvested, 100% 1984, 100% avg. Winter wheat dormant with adequate snowcover.

**MINNESOTA:** Very little thinning of snowcover as temperatures continued cold. Temperatures 10° below normal northwest, 2 to 7° below normal elsewhere. Temperature extremes -23°; 41°. Precipitation averaged 0.11 in. below normal to 0.14 in. above normal. Snowfall ranged from 1 in. or less southwest portion, to 5 to 8 in. northeast portion.

Corn harvest continued slowly, but most of remaining crop expected to stay until snow is gone. Cash flow problems plus threat of wind or wildlife damage to remaining fields kept a few farmers harvesting where possible, despite poor conditions that caused many equipment breakdowns. Livestock condition generally good.

**MISSISSIPPI:** Average temperatures 6° below normal; extremes 0 and 70°. Greatest 24-hour rainfall 1.49 in.

Fieldwork 4.0 days suitable, 0.3 1984, 2.1 avg. Soil moisture adequate. Main activity caring for livestock. Soybeans 99% harvested, 96% 1984, 98% avg. Pecans 92% harvested, 99% avg. Wheat 100% planted. Livestock, wheat and pasture fair. Supplies of feed grains and hay adequate.

**MISSOURI:** Temperatures averaged 1 to 2° below normal. North, 4 to 6° below normal across south. Very light non-measurable snow north central and northeast areas, early week.

Open weather and frozen ground permitted farmers to continue with late harvesting of row crops. Good progress was reported in many northern counties.

**MONTANA:** Very dry week again. Snow confined to northeast and southeast with amounts only 0.05 to 0.25 in. Cold over west and southwest as cold air continued to be trapped in valleys. Temperatures averaged 2 to 10° below normal. Across Plains temperatures 4 to 14° above normal, most days windy with mild temperatures.

Winter wheat condition 5% poor, 60% fair, 30% good, 5% excellent. Snowcover protection 5% poor, 20% fair, 70% good, 5% excellent. Wind damage to winter wheat 10% none, 90% light. About 95% sheep and cattle receiving supplemental feed. Hay and roughage supplies 75% short, 25% adequate. Grazing on pastures and ranges 5% poor, 60% difficult, 35% closed. Warmer weather opened up some grazing helping to conserve scarce hay.

**NEBRASKA:** Precipitation heaviest Panhandle. Nearly 0.33 in. reported southern Panhandle. East remained dry. Temperatures averaged below normal, Panhandle and west while south central and southeast were slightly above normal.

**NEVADA:** High pressure at surface and aloft locked in place for second consecutive week. Fog persistent many northwest valleys resulting in much below normal temperatures. Less fog northeast led to very cold nights but mild days. Temperatures averaged below normal all areas

except central and extreme south. Extremes 170 below zero and 720. No significant precipitation reported.

Feeding requirement livestock remained high. Some pneumonia reported, due to prolonged period of freezing fog.

**NEW ENGLAND:** Precipitation evenly distributed across region, mostly in range of 0.20 to 0.50 in. Exceptions were northern Vermont with 0.50 to 0.70 in. and Rhode Island and southeast Massachusetts with less than 0.10 in. Average temperatures were mostly 1 to 50 below normal over region and ranged from around 100 over northern Maine to near 30s across coastal southern areas.

Farmers tending livestock, moving produce from storage.

**NEW JERSEY:** Temperatures below normal, averaging 260 north, 310 south, 340 coastal. Extremes 50; 570. Precipitation much below normal, averaging 0.07 in. north, 0.04 in. south, none coastal. Heaviest 24-hour total 0.28 in. on 24th, 25th. Heaviest 24-hour snowfall 1 in. on 27th, 28th.

Farm activities minimal during Christmas week. Main activities caring for livestock and tending to other essential winter chores.

**NEW MEXICO:** Temperatures averaged from normal to 50 above normal. Temperatures -40, northwestern Plateau and western mountains, to 750, southeastern Plains. Only slight precipitation in northeastern Plains, none elsewhere.

Days suitable for fieldwork 7.0. Soil moisture 55% short, 45% adequate. Cotton 83% fair, 17% good; 95% harvested, 90% 1984, 96% avg. Barley 57% fair, 43% good. Irrigated wheat 38% fair, 62% good. Dryland wheat 75% fair, 25% good. Irrigated grain sorghum 60% fair, 20% good, 20% excellent. Dryland grain sorghum 67% fair, 33% excellent. Pecans 67% fair, 33% good. Chile 33% fair, 67% good. Cattle 50% fair, 40% good, 10% excellent. Sheep 29% fair, 57% good, 14% excellent. Range 10% poor, 50% fair, 40% good.

**NEW YORK:** Temperatures averaged near or a few degrees below normal northern and eastern sections, and 3 to 80 below normal central and western sections. Average temperatures were mid-teens to mid 20s upstate and low 30s near New York City and Long Island. Extremes were -230 Newcomb and 530 New York City. Precipitation on whole was below normal, with 0.50 in. or less. Exceptions were near 0.75 in. Slide Mountain in Catskills, 0.75 to 1.00 in. St. Lawrence Valley, and 1.25 to 2.50 in. in Lee of Lakes Erie and Ontario. Snow squall areas had 1 to 2 ft. of snow with higher drifts and gusty winds.

Farming activities for week included tending livestock, plowing snow, chopping firewood, and routine farm chores.

**NORTH CAROLINA:** Temperatures averaged 3 to 110 below normal statewide. Rainfall ranged from 0.00 to 0.28 in. across State.

Days suitable for fieldwork 4.8. Soil moisture 9% short, 91% adequate, 3% surplus. Condition: Pasture 16% poor, 42% fair, 42% good. Wheat 19% fair, 81% good. Oats 15% fair, 85% good. Barley 4% poor, 25% fair, 71% good. Rye 27% fair, 73% good. Harvest: Soybeans 88%, 96% 1984, 95% avg. Farm feed supplies: Hay and roughage 94% adequate, 6% surplus. Feed grain 3% short, 88% adequate, 9% surplus. Major farm activities: Harvesting soybeans, picking cotton, preparing tobacco plant beds, tending livestock, cutting firewood and general farm maintenance.

**NORTH DAKOTA:** Weather variable last week. Temperatures averaged 10 above normal east central to 100 above normal northwest. Most of State averaged 40 above normal. Low temperature -300 east central 25th; high temperature 490 south central 26th. Most locations received some precipitation. Northeast and southwest received some precipitation during week. Northeast and southwest received above normal amounts while rest of State had slightly below normal amounts. Southwest had most precipitation during week with 0.51 in. water equivalent.

Snowcover is generally adequate for fall seeded crops. Temperature variation stressful to livestock.

**OHIO:** Average temperatures 8 to 100 below normal; lows 00 and slightly below, highs 30s. Lows from single digits to mid-teens, average highs from mid 20s to 300. Four inch bare soil temperatures averaged low 30s. Precipitation below normal; water equivalent less than 0.25 in. north, less than 0.10 in. south.

Some corn and soybeans still standing.

**OKLAHOMA:** Temperatures averaged 30 below normal north central to 30 above normal Panhandle. Precipitation averaged none eastern half to 0.06 in. west central.

Cool, dry weather restricted wheat pasture growth. Many western fields yellow from nitrogen leaching. Pastures lacking growth but sufficient grazing available. Cattle good condition. Cotton 86% harvested.

**OREGON:** Temperatures well below normal most of State, except along south and central coast where conditions about normal. Strong temperature inversion held cold over much of State east of coast range. East of Cascades, temperature departures up to 190 below normal, except in extreme south. Western interior was 5 to 120 below normal. Only measureable precipitation, 0.03 at Grants Pass and 0.02 at Herminston.

Snow covered eastern region for as long as seven weeks. Crops were likely protected from below normal cold temperatures, but conditions are unknown at present. Cold, clear weather has been good for livestock, but hay feeding began early and supplies are becoming tight. Western field crops show some cold damage, as fields are without snowcover. Pastures are not putting on new growth due to cold. Potatoes in cellars are being checked for freeze damage.

**PENNSYLVANIA:** Relatively cold week. Several fast moving funnel systems, northern tier counties. Cold, dry air, middle of week. Sub-zero temperatures common, central and northern mountain regions, 26th. Temperature averaged 220, 70 below normal. Precipitation 0.28 in., 0.41 in. below normal. Highest temperature 530, Philadelphia, coldest 50 below zero, Wellsboro.

Activities included harvesting corn for grain, hauling manure, cutting firewood and caring for livestock.

**PUERTO RICO:** Highest average rainfall 0.37 or 0.52 in. below normal. Highest weekly total 2.91 in. Highest 24-hour total 0.82 in. Temperature averaged about 76 to 750 on coasts and 74 to 710 interior divisions. Mean station temperature ranged from 79.0 to 64.20. Extremes 900; 550.

**SOUTH CAROLINA:** Weather averaged 4 to 60 below normal. Brief periods of precipitation, central and eastern, none west.

Soybean harvest active dry areas. Halted by showers some areas. Low lying fields and bottoms still inaccessible. Quality of beans poor. Some acreage will not be harvested.

**SOUTH DAKOTA:** Average temperatures ranged 50 below normal northeast, to 40 above normal Black Hills. Extremes -210; 550. Light snow fell over most of State; 19 in. fell parts of Black Hills. Snow depths ranged from 1 to 4 in. southeast and parts Black Hills to 5 to 20 in. elsewhere.

Corn harvest progressing. Corn 88% harvested, 100% 1984, 100% avg. Livestock good condition. Feed supplies short west, mostly adequate elsewhere. Concern with feed supplies holding for entire winter remains.

**TENNESSEE:** Temperatures averaged well below normal; lows ranged between zero and 150. Snow fall amounts were generally less than 2.00 in. Major farm activities included supplemental feeding of livestock and general farm chores.

**TEXAS:** Dry weather, mild days, cool nights. Dry front brought cooler temperatures 24th, 25th but warming 26th, 27th. An upper air disturbance produced clouds, drizzle, light rain Upper Coast, southern East. High pressure returned dry conditions to State weekend. Precipitation below normal. Temperatures averaged several degrees below normal most areas. Normal Trans-Pecos, above normal Northern High Plains.

**Crops:** Cotton 91% harvested, 71% 1984, 88% avg. Condition 75% normal, 65% 1984. Cotton 1% failure, 1% poor, 48% fair, 46% good, 4% excellent. Harvest remained active Plains, Cross-Timbers under milder, open weather. Yields remained fair to good, even though quality down. Most harvesting Trans-Pecos completed. Ginning active. Sorghum 100% harvested, 100% 1984, 100% avg. Wheat 100% planted, 100% 1984, 100% avg.; 97% emerged, 100% 1984, 99% avg. Condition 82% normal, 82% 1984. Wheat 3% poor, 29% fair, 56% good, 12% excellent. Small grain condition improved last week because milder weather. Many fields across State suffered from cold temperatures two weeks ago. Oats suffered more than wheat. Later planted fields High Plains just now emerging. Some planting took place last week Low Plains, Cross-Timbers, Blacklands, Central. Moisture needed many areas to improve growth, help later planted fields emerge. Greenbug populations on rise across Blacklands, treatment started to reduce problem. Slowed growth, following cold temperatures two weeks ago, decreased grazing; most fields providing some forage. Peanuts 95% harvested, 97% 1984, 99% avg. Harvesting good progress Central, south with another two weeks of open weather, completed most areas. Soybeans 96% harvested, 100% 1984, 99% avg. Harvesting good progress along Upper Coast. Yields continued lower. **Other Field Crops:** Sugarbeets 96% harvested, 100% 1984, 99% avg. Pecans 87% harvested, 93% 1984, 91% avg. Sunflowers 93% harvested, 100% 1984, 99% avg. Oats 96% planted, 100% 1984, 100% avg.

**Commercial Vegetables:** Rio Grande Valley harvest cabbage, broccoli, cauliflower continued. Light harvest carrots in progress. Prices good all vegetables, except broccoli. Onion good growth. Harvest, shipments early oranges, grapefruit about over for season. San Antonio - Winter Garden harvest cabbage, carrots, spinach, other greens continued. Few disease problems. Cold temperatures two weeks ago damaged spinach. Most fields should rebound. Pecans harvest good progress portions east, Cross-Timbers. Quality, price gone down recent weeks.

**Range and Livestock:** Range, pasture condition improved slightly under milder temperatures

statewide. Moist winter grasses could use good rain to insure further growth. Growth slow past two weeks because cold temperatures. Small grains providing fair to good grazing, depending amount damage from low temperatures. Livestock fair to good condition. Supplemental feeding hay continued. Good grains again occurring after cold stress.

**UTAH:** Temperatures very cold, 10 to 130 below normal, northern part of State, except Uinta Basin, normal. South, Dixie 40 above normal, southeast 50 above, south central was 40 below. Very little precipitation with all divisions averaging zero.

Range conditions vary considerably throughout State with many areas just beginning to feed hay to stock cattle and yearling calves. Northern and high elevation areas feeding for over a month and see some hay shortages if cold weather continues.

**VIRGINIA:** Cold, temperatures up to 160 below normal. Lowest temperature -80 mountains. Temperatures moderated towards end of period. Precipitation light most areas. One small area, central, had 6 in. snow.

Days suitable for fieldwork averaged 3.1. Topsoil moisture ratings 87% adequate, 13% surplus. Soybeans harvest 90% complete. Pasture land; winter grains mostly excellent. Livestock good to excellent condition. Feed consumption up with cold weather. Feed supplies adequate. Calving and lambing continues. Normal winter chores continue. Ground frozen in many areas.

**WASHINGTON:** High pressure, warm air aloft trapped cold moisture air across most of State. Freezing drizzle, snow flurries east; clear coast. Record breaking dry weather statewide.

Days suitable for fieldwork less than 1. Soil moisture 20% short, 80% adequate. Range and pasture 70% short, 30% adequate. Hay supplies 50% short, 50% adequate. Winter wheat 100% emerged, 100% 1984, 100% avg. Limited amounts of pruning continues in orchards, winter damage expected but no estimate yet. Concern developing over feed supplies if cold weather persists.

**WEST VIRGINIA:** Temperatures averaged 3 to 80 below normal. Low -80 Belington, high 520 Romney. Average temperature was 250. Precipitation averaged 0.30 to 0.60 in. below normal. Snowfall totals for week ranged from about 4 in. or less for lower elevations to as much as a foot and a half for higher elevations. Statewide average precipitation was 0.24 in.

Days worked averaged 1.0. Soil moisture adequate to surplus. Feed supplies adequate to short.

**WISCONSIN:** Mild temperatures early week turned to sub-zero range mid-week. Snowfall 3.0 to 8.0 in. with heaviest snow near Lake Superior.

Farm activity limited to feeding and manure spreading. Some corn for grain being harvested.

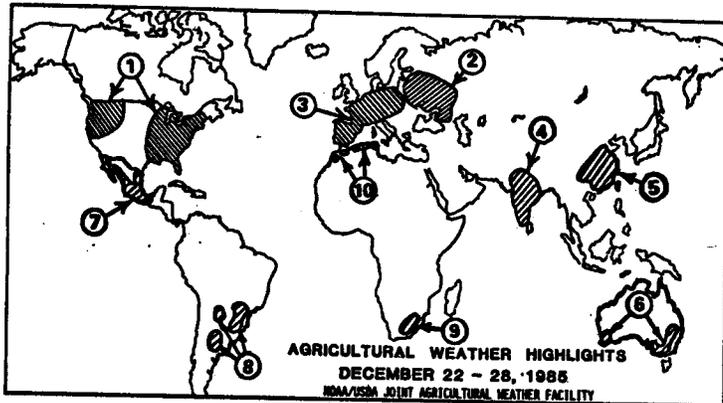
**WYOMING:** Temperatures well above normal. Very little precipitation. Farmers and ranchers repairing machinery, catching up on paperwork. Most of State had only a trace of precipitation; however, warm temperatures and wind caused extensive snow melt.

Soil moisture supplies remain adequate. Livestock conditions continue fair to good over most of State with supplemental feeding reduced by rising temperatures.



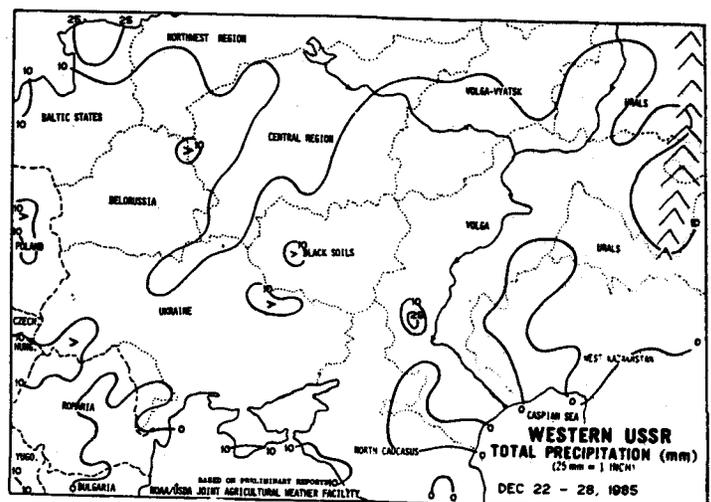
## International Weather and Crop Summary

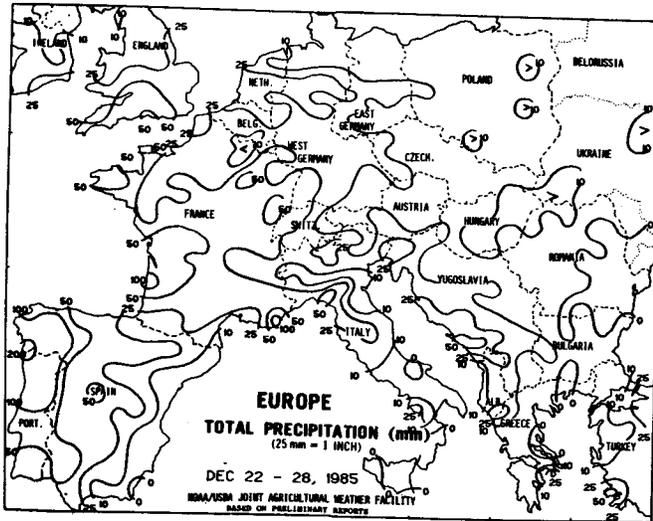
December 22-28, 1985

**HIGHLIGHTS:**

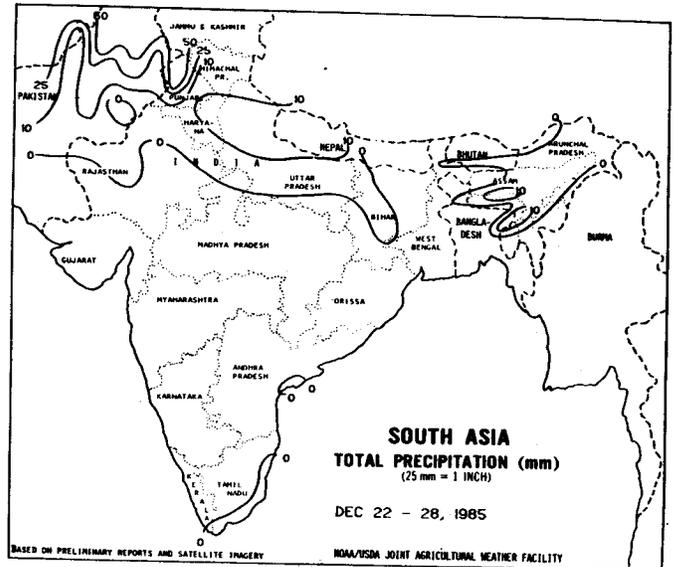
1. **UNITED STATES** ... Cold weather and snow hampers farm activities in the Northcentral and Northeastern areas of the Nation. Below-normal temperatures in the Northwest and South slow crop development.
2. **WESTERN USSR** ... Light snow covers most of the winter wheat area, but above-normal temperatures melt snow cover in the south.
3. **EUROPE** ... Widespread rain falls over western Europe, benefiting winter grain emergence over the Iberian Peninsula and southern France. Light rain falls in the east.
4. **SOUTH ASIA** ... Substantial rain benefits northern wheat nearing reproduction.
5. **EASTERN ASIA** ... Mild, dry weather covers most winter grain areas.
6. **AUSTRALIA** ... Mostly dry weather favors wheat harvesting. Summer crops progress with adequate moisture.
7. **MEXICO** ... NO DATA.
8. **SOUTH AMERICA** ... Drought intensifies over Brazil's southern soybean area while heavy rain falls over Minas Gerais. Drier weather favors fieldwork in Argentina.
9. **SOUTH AFRICA** ... Beneficial rain and moderate temperatures favor most of the Maize Triangle.
10. **NORTHWESTERN AFRICA** ... Light rain helps winter grain planting in Algeria and northern Morocco and limits moisture in southern Morocco and Tunisia.

**WESTERN USSR...**Light precipitation covered most of the region. The main storm track was across the north, where 10-15mm of precipitation, mostly snow, fell in the Central Region and the Northwest Region. Lighter precipitation, mostly 1-10mm, covered Belorussia, the Ukraine, and the Black Soils. Temperatures averaged above normal in most of western USSR. Patchy snow cover likely exists in the northwestern Ukraine but relatively warm weather melted some snow in the eastern and southern Ukraine. Winter wheat remains dormant with adequate snow cover in the northeastern crop areas.

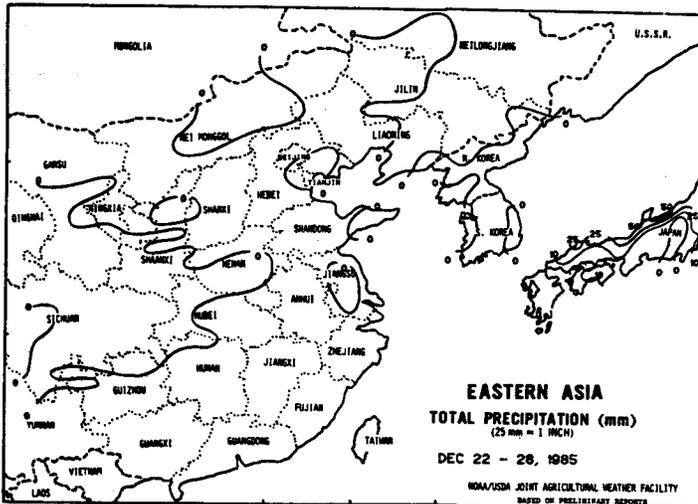




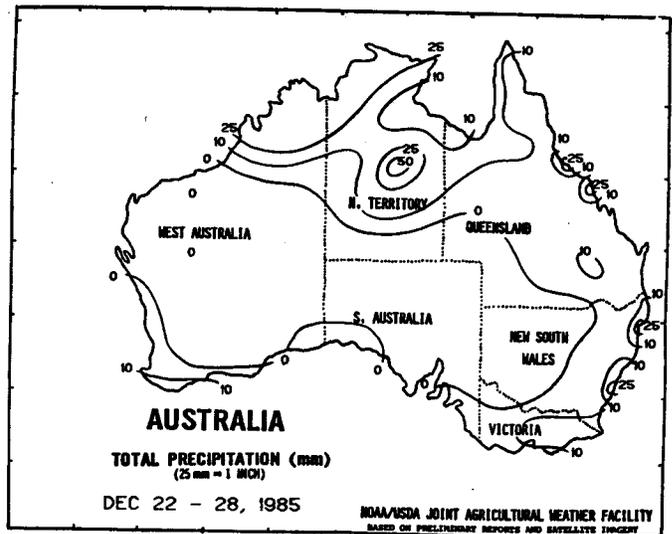
**EUROPE...**Widespread rain fell across western Europe, but the storm system weakened as it moved eastward producing only light showers over eastern Europe and much of the Balkan States. On the Iberian Peninsula, weekly rainfall averaged 25-50mm over the western two-thirds of Spain and 50-170mm over the northern two-thirds of Portugal. The moisture benefited winter grain emergence. Southern France received its most significant rainfall in several months with amounts averaging 25-75mm. Beneficial rain also fell over grain areas of the Po Valley. Rainfall was mostly less than 10mm over Poland, Czechoslovakia, and the Balkans with the exception of eastern Yugoslavia where 10-50mm fell. Temperatures averaged above normal over most of the continent, but a pronounced cooling trend began in the northwest by midweek.



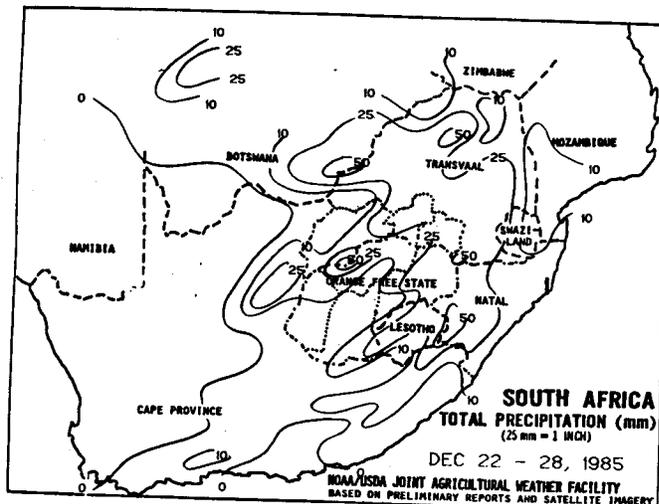
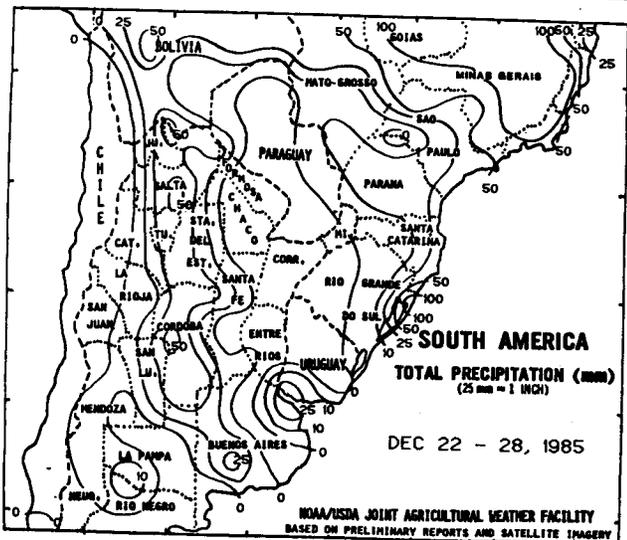
**SOUTH ASIA...**Significant rain fell in northern wheat areas of Pakistan and India. The moisture (25-50mm) will benefit wheat nearing the reproductive stage. Lighter showers (1-10mm) extended into northern Rajasthan and central Uttar Pradesh. Mostly dry weather in southern India favored summer rice planting where moisture supplies are adequate.



**EASTERN ASIA...**Mostly dry weather covered the eastern agricultural region. Light precipitation (1-9mm) fell in the northwest with snow in the northern areas and mostly rain in Sichuan. Temperatures averaged above normal in the North China Plain where winter wheat is dormant. Light precipitation (1-3mm) extended into Henan. Light precipitation and above-normal temperatures occurred in Korea's winter grain area.

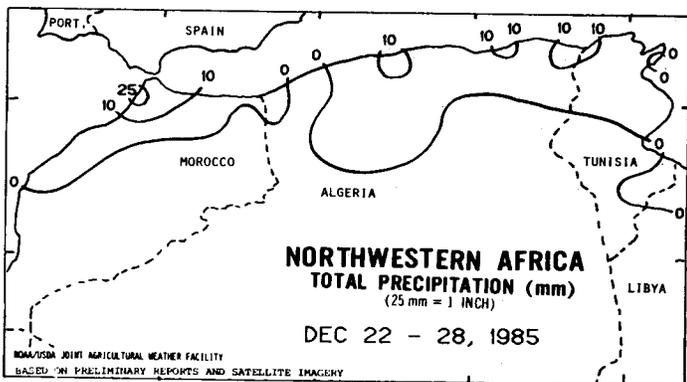


**AUSTRALIA...**Light showers (1-5mm) fell in most of the eastern wheat belt. Nearly all of the rain in New South Wales fell on the first day of the week, followed by favorable dry weather for wheat harvesting. Temperatures averaged below normal in most wheat areas. Light showers in Western Australia likely did not slow wheat harvesting. Summer crops are progressing with adequate moisture. Moderate rain (25-50mm) fell across northern Australia. Light to moderate rain benefited the northeast coastal sugar region.



**SOUTH AMERICA**...In Brazil, dry weather in the major soybean areas of Rio Grande do Sul and Santa Catarina aggravated the worsening drought. Soybean planting, normally completed during the latter half of December, is well behind schedule. The planted crop is severely stressed by the prolonged heat and dryness in the south, likely causing uneven and stunted growth. Some rain fell in Parana and Sao Paulo, but heaviest amounts fell along east-coastal areas, leaving the major agricultural region with limited moisture again. Substantial rain (50-155mm) fell further north in Goias and Minas Gerais. In Argentina, early-week showers in Cordoba and western Buenos Aires were followed by favorable drier weather over all crop areas. The late-week dryness benefited wheat harvesting and soybean planting in southern Santa Fe and Buenos Aires. Dry weather returned to cotton areas of Chaco and Formosa.

**SOUTH AFRICA**...Moderate to heavy showers favored much of the Maize Triangle. Rainfall (25-50mm) across most of the Transvaal continued to improve moisture conditions. Light showers fell in the West Transvaal, but moisture is adequate for vegetative corn. Scattered showers (up to 50mm) benefited corn in the Northwestern Orange Free State. Light showers fell in the south. Moderate temperatures continued in most of the region. Moisture is adequate for most corn areas; however, rainfall and temperatures during the critical reproductive period will have a large impact on final corn yields.



MEXICO

NO DATA AVAILABLE

**NORTHWESTERN AFRICA**...Two frontal systems brushed the crop areas of northern Morocco, Algeria, and northwestern Tunisia, but weekly rainfall amounts were generally light (5-17mm). Rainfall amounts were quite variable, with central and eastern crop areas of Algeria receiving the most and southern Morocco and Tunisia the least. Moisture is still limited for winter grain planting and emergence in southern Morocco and Tunisia. Weekly temperatures generally averaged 1-2C above normal across the region.

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The Weekly Weather and Crop Bulletin (ISSN 0043-1974) is published weekly and jointly prepared by the U.S. Department of Commerce, National Oceanic and Atmospheric Administration (NOAA) and the U.S. Department of Agriculture (USDA). Publication began in 1872 as the Weekly Chronicle. It is issued under general authority of the Act of January 12, 1895, (44-USC 213), 53d Congress, 3d Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

Annual subscriptions: domestic \$25, foreign \$33 (in U.S. funds by international money order or check drawn on U.S. bank) payable to U.S. Department of Commerce, NOAA. POSTMASTER: Send address changes to NOAA/USDA, Joint Agricultural Weather Facility, USDA South Building, Room 5844, Washington, D.C. 20250. Order subscriptions from the office and address listed above. Second class postage paid at Washington, D.C., and additional mailing offices.

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**WEEKLY NEWS BULLETIN**  
**SECOND CLASS**

**NOAA PERMIT NO.**  
**ISSN 0043 1974**