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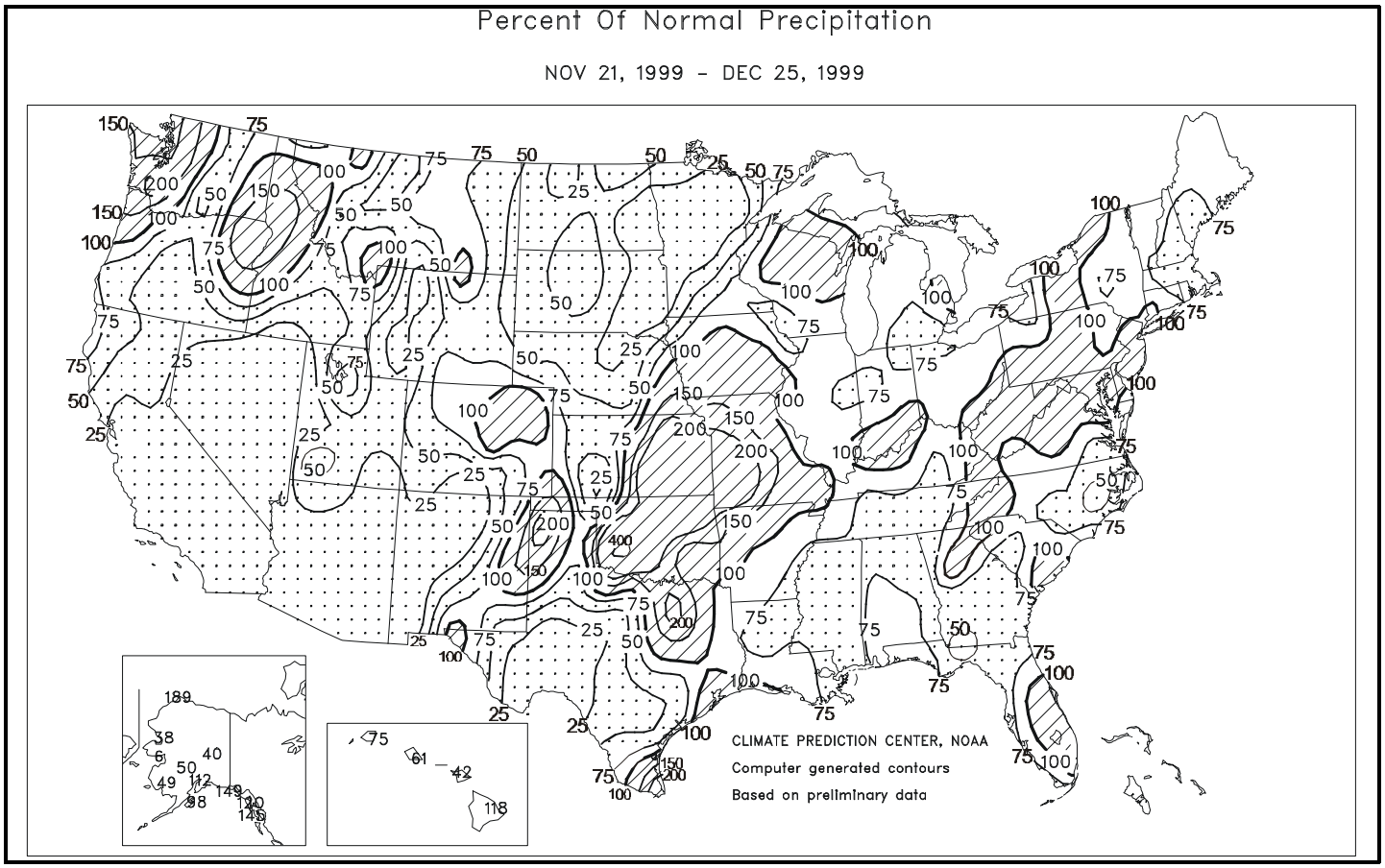
WEEKLY WEATHER AND CROP BULLETIN

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

U.S. DEPARTMENT OF AGRICULTURE
National Agricultural Statistics Service
and World Agricultural Outlook Board



HIGHLIGHTS

December 19 - 25, 1999

Dry weather prevailed nearly nationwide, while colder air overspread the **Midwest**, **South**, and **East**. In contrast, unusually mild weather continued on the **northern Plains** for the ninth consecutive week. Significant precipitation (more than 1 inch) was primarily confined to scattered locations from **southern Louisiana** to the **Carolinas**, although locally heavy, lake-effect snow fell in the **Great Lakes region**. Dry weather in the **Northwest** signaled the end of a 2-month wet spell, while isolated precipitation in the **Southwest** brought little relief from a 3-month dry spell. Weekly temperatures averaged 6 to 16°F above normal on the **Montana Plains** and as

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much as 12ºF above normal in **northern California**. Santa Ana conditions developed across **southern California**, causing wildfires to briefly flare and spread. Farther east, however, cold weather (weekly readings as much as 10ºF below normal) increased livestock stress in the **western Corn Belt**, where extreme minimum temperatures ranged from -20 to 0ºF. At week's end, cold air spread deep into the **South**, burning back pastures and winter grains. By Sunday morning, December 26, temperatures fell slightly below the freezing mark (32ºF) in most of **southern Louisiana's** sugarcane areas, and into the middle 30's degrees F as far south as **central Florida's** citrus and vegetable areas.

More than 100 daily-record highs and at least two December-record highs were set during the week, mostly in **California**. **Oakland (airport), CA** tallied monthly records of 75ºF on December 19-20, eclipsing their 1958 standard by 1ºF. **Shelter Cove, CA** attained 84ºF on Monday, shattering their former monthly record (80ºF on December 8, 1988). Late in the week, record warmth overspread the **northern Plains**. On December 24, highs in **South Dakota** reached 58ºF in Custer and 56ºF in **Faith**. **Minot, ND** closed the week with consecutive daily-record highs (47 and 48ºF). On December 25 in **Minnesota**, **International Falls'** high of 45ºF was 32ºF above normal.

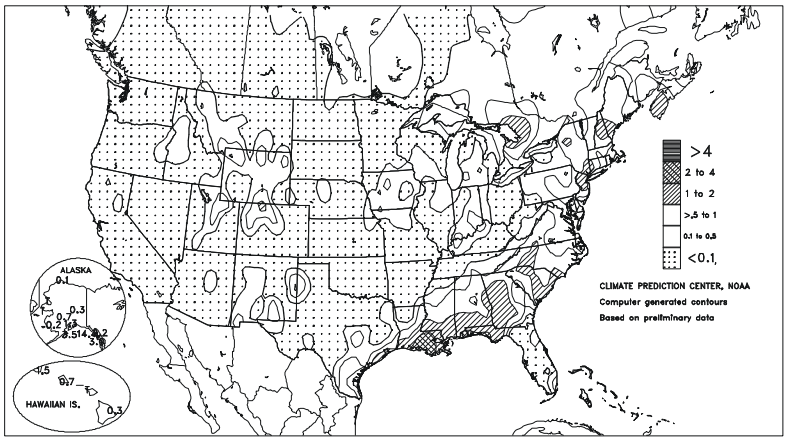
Farther east, bitterly cold weather eased toward week's end. On Saturday in **Wisconsin**, **Milwaukee** and **Madison** logged temperatures above 20ºF for the first time since December 20. Earlier in the week, wind chills in **Minnesota** had dropped to -50ºF in Rochester and -41ºF in Austin as the cold air invaded on December 20. A day later in **northeastern Minnesota**, actual temperatures dipped to -30ºF in **Tower** and **Embarrass**. Cold air streaming across the **Great Lakes** generated heavy snow showers, resulting in localized totals of 1 to 3 feet in favored locations. Month-to-date (December 1-25) snowfall reached 22.4 inches in **Erie, PA**.

Despite an intrusion of cold air into **New England**, coastal areas remained snow-free through week's end. **Portland, ME** and **Concord, NH** set records for the latest date of their first measurable snowfall. Both cities' previous standards were established on December 24, 1912. Farther south, **Boston, MA** set records for the latest first snowflake (formerly December 22, 1998) and longest period without measurable snowfall (formerly 274 days in 1998, followed by 261 days in 1901). **Boston's** last measurable snow fell on March 15. On December 25, lows included -12ºF in **Newcomb, NY** and **East Haven, VT**. Meanwhile, cold air trailed widespread showers deep into the **South**. By Sunday morning, December 26, lows in **central Florida** reached 35ºF in **Tampa** and **Sanford**. **Baton Rouge, LA** recorded 28ºF.

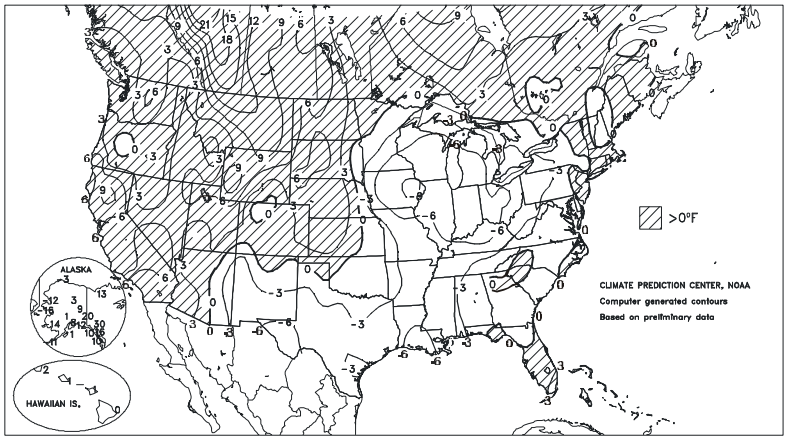
Weekly rainfall topped 2 inches in **south-central Louisiana**, but dry weather persisted in the **Southwest**. Although **Baton Rouge's** month-to-date rainfall reached 5.27 inches, their year-to-date total remained more than 11 inches below normal. Meanwhile in **Arizona**, December 25 was the 93rd consecutive day without measurable precipitation in **Flagstaff**, tying their April-July 1974 record. **Phoenix, AZ** recorded a 94th consecutive day (September 23 - December 25) without a drop of rain on Saturday, eclipsing their January-April 1984 standard.

In **southern Alaska**, a storm's passage on December 25-26 capped an exceptionally stormy period. In **Valdez**, December 18-26 precipitation totaled 14.09 inches, including 57.1 inches of snow. Most of the precipitation (10.45 inches) fell from December 19-22. South and east of the storm track, warmth overspread the **Alexander Archipelago** (**southeastern Alaska**), lifting temperatures to record levels. **Juneau** ended the week with four daily-record highs in 5 days, including a December record-tying high of 54ºF on Thursday. Record warmth also reached into **eastern interior Alaska**, where **Northway's** maximum of 46ºF on Wednesday represented not only a December-record high by 7ºF, but also their highest temperature on record between October 20 and February 22. **Fairbanks'** high of 45ºF on Wednesday was their highest December temperature since 1934. **Dry Creek**, near **Delta Junction**, posted a high of 60ºF on December 22. In contrast, the 2-month spell of bitterly cold weather persisted across **western Alaska**, holding weekly temperatures as much as 16ºF below normal. **Cold Bay** noted consecutive daily-record lows (4 and 3ºF) on December 22-23, and **King Salmon** posted a daily record (-30ºF) on December 24.

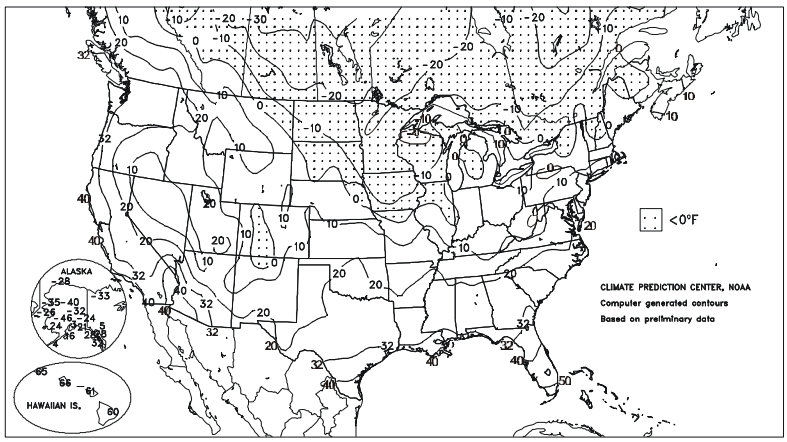
Total Precipitation (Inches)
DEC 19 - 25, 1999



Departure of Average Temperature from Normal (°F)
DEC 19 - 25, 1999



Extreme Minimum Temperature (°F)
DEC 19 - 25, 1999



National Weather Data for Selected Cities

Weather Data for the Week Ending December 25, 1999

Data Provided by Climate Prediction Center (301-763-8000, Ext. 7503)

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
AL	BIRMINGHAM	52	32	62	20	42	-2	0.91	-0.27	0.52	3.52	86	49.00	91	94	46	0	4	3	1
	HUNTSVILLE	48	30	63	20	39	-2	0.36	-0.98	0.28	3.46	73	45.65	81	94	53	0	5	3	0
	MOBILE	56	37	62	30	46	-6	1.47	0.26	0.79	4.32	101	51.62	82	94	55	0	2	3	2
	MONTGOMERY	56	36	63	24	46	-2	1.90	0.71	1.05	4.43	106	43.01	82	94	54	0	3	3	2
AK	ANCHORAGE	31	16	45	3	24	8	1.31	1.06	0.49	1.33	149	18.18	116	93	60	0	6	5	0
	BARROW	-8	-22	3	-28	-15	-3	0.12	0.09	0.08	0.15	150	3.85	87	83	73	0	7	2	0
	FAIRBANKS	15	-12	45	-32	2	10	0.27	0.08	0.13	0.27	39	10.07	94	88	70	0	7	4	0
	JUNEAU	47	38	54	28	42	16	2.23	1.22	0.88	4.67	131	72.89	136	96	76	0	1	6	2
	KODIAK	37	26	43	16	32	2	3.51	1.92	2.59	5.58	103	74.59	113	89	57	0	6	5	2
	NOME	1	-19	10	-26	-9	-15	0.03	-0.16	0.02	0.04	6	15.23	103	93	52	0	7	2	0
AZ	FLAGSTAFF	41	20	45	13	30	1	0.00	-0.55	0.00	0.00	0	16.04	72	64	28	0	7	0	0
	PHOENIX	68	44	70	40	56	3	0.00	-0.22	0.00	0.00	0	6.63	89	41	15	0	0	0	0
	TUCSON	63	38	68	30	50	-1	0.00	-0.25	0.00	0.00	0	9.67	82	43	17	0	2	0	0
	YUMA	70	49	76	46	60	5	0.00	-0.11	0.00	0.00	0	4.35	141	36	19	0	0	0	0
AR	FORT SMITH	51	27	57	20	39	0	0.00	-0.63	0.00	5.06	198	40.69	101	85	34	0	5	0	0
	LITTLE ROCK	48	27	56	21	38	-3	0.00	-1.04	0.00	5.25	131	37.44	75	82	44	0	6	0	0
CA	BAKERSFIELD	63	35	67	33	49	2	0.00	-0.14	0.00	0.16	33	6.02	108	81	36	0	0	0	0
	EUREKA	56	41	63	38	49	1	0.00	-1.33	0.00	2.81	57	39.33	108	89	68	0	0	0	0
	FRESNO	61	34	65	33	48	4	0.00	-0.33	0.00	0.03	3	6.45	63	97	49	0	0	0	0
	LOS ANGELES	73	49	78	47	61	5	0.00	-0.38	0.00	0.00	0	7.13	61	64	22	0	0	0	0
	REDDING	70	42	73	29	56	12	0.00	-1.26	0.00	0.64	15	24.35	76	68	22	0	2	0	0
	SACRAMENTO	65	33	72	31	49	5	0.00	-0.58	0.00	0.06	3	11.88	70	10	36	0	4	0	0
	SAN DIEGO	74	49	77	46	61	4	0.00	-0.36	0.00	0.03	2	5.20	54	64	18	0	0	0	0
	SAN FRANCISCO	65	46	69	41	55	6	0.01	-0.71	0.01	0.48	20	15.70	83	87	38	0	0	1	0
CO	ALAMOSA	37	-2	49	-5	18	2	0.00	-0.10	0.00	0.01	3	7.55	100	84	30	0	7	0	0
	CO SPRINGS	42	19	56	13	31	2	0.00	-0.11	0.00	0.12	31	25.14	155	79	35	0	7	0	0
	DENVER	42	21	56	12	32	2	0.06	-0.08	0.06	0.29	54	20.99	137	78	37	0	7	1	0
	GRAND JUNCTION	42	19	48	15	31	4	0.02	-0.12	0.02	0.29	59	8.09	95	83	36	0	7	1	0
	PUEBLO	49	12	59	4	31	1	0.00	-0.08	0.00	0.05	14	13.85	125	81	28	0	7	0	0
CT	BRIDGEPORT	41	26	57	14	34	2	0.25	-0.52	0.25	2.41	85	40.96	100	77	40	0	6	1	0
	HARTFORD	35	19	43	8	27	0	0.91	0.04	0.91	2.52	79	44.20	102	80	40	0	6	1	1
DC	WASHINGTON	42	31	49	21	36	-2	0.16	-0.53	0.10	2.50	98	40.24	106	81	46	0	4	3	0
DE	WILMINGTON	41	27	52	16	34	0	0.27	-0.51	0.25	2.31	82	47.16	117	80	43	0	4	3	0
FL	DAYTONA BEACH	69	50	79	39	60	1	0.08	-0.50	0.08	1.55	75	46.32	98	93	54	0	0	1	0
	JACKSONVILLE	64	44	77	28	54	0	0.06	-0.59	0.03	0.91	43	41.63	82	98	58	0	2	3	0
	KEY WEST	78	69	82	60	74	3	0.04	-0.40	0.03	0.49	30	46.89	120	91	67	0	0	2	0
	MIAMI	78	64	84	51	71	3	0.24	-0.17	0.24	2.68	179	64.56	116	90	57	0	0	1	0
	ORLANDO	71	52	81	41	62	1	0.01	-0.46	0.01	2.65	152	54.75	115	96	52	0	0	1	0
	PENSACOLA	58	40	65	32	49	-3	1.42	0.42	1.35	3.94	116	47.08	77	93	50	0	1	3	1
	TALLAHASSEE	61	41	70	26	51	-1	1.16	0.00	0.90	2.56	63	50.09	77	97	52	0	3	3	1
	TAMPA	70	55	79	42	62	1	0.06	-0.44	0.05	0.97	56	34.27	79	97	57	0	0	2	0
	WEST PALM	77	61	81	47	69	2	0.49	-0.01	0.33	1.26	61	62.27	103	95	61	0	0	2	0
GA	ATHENS	52	35	58	23	43	-1	0.78	-0.16	0.69	2.75	84	41.61	85	94	55	0	3	3	1
	ATLANTA	50	36	55	23	43	0	1.30	0.30	0.81	2.78	80	39.59	79	88	54	0	3	3	1
	AUGUSTA	54	36	58	20	45	-1	0.63	-0.18	0.33	1.20	45	36.92	84	95	55	0	2	4	0
	COLUMBUS	56	39	62	28	47	0	1.01	-0.15	0.72	2.06	52	28.13	56	90	45	0	2	3	1
	MACON	55	34	59	24	45	-3	1.09	0.06	0.60	1.91	56	36.48	83	95	49	0	3	3	1
	SAVANNAH	57	40	65	24	48	-2	1.25	0.55	0.84	1.94	84	50.12	103	96	67	0	2	3	1
HI	HILO	81	63	85	60	72	0	0.35	-2.22	0.35	14.78	149	117.5	92	94	61	0	0	1	0
	HONOLULU	79	71	80	66	75	1	0.72	-0.16	0.35	2.38	78	11.94	56	92	78	0	0	3	0
	KAHULUI	81	66	83	61	74	1	0.01	-0.77	0.01	1.27	50	8.70	43	92	60	0	0	1	0
	LIHUE	79	70	80	65	75	3	1.52	0.35	0.54	3.70	90	33.00	79	92	67	0	0	7	1
ID	BOISE	40	24	47	19	32	3	0.00	-0.30	0.00	0.91	83	8.60	73	92	62	0	7	0	0
	LEWISTON	36	32	43	28	34	0	0.00	-0.28	0.00	1.18	120	11.72	96	95	81	0	4	0	0
	POCATELLO	37	19	41	10	28	5	0.00	-0.25	0.00	0.26	29	10.25	86	89	54	0	7	0	0
IL	CHICAGO/O'HARE	25	8	40	1	17	-7	0.04	-0.48	0.03	2.56	124	38.16	108	88	58	0	7	2	0
	MOLINE	25	4	36	-2	14	-9	0.15	-0.33	0.10	2.08	113	33.51	87	92	64	0	7	3	0
	PEORIA	29	8	44	2	19	-6	0.09	-0.43	0.07	2.53	125	30.22	84	90	57	0	7	2	0
	ROCKFORD	23	3	35	-3	13	-9	0.05	-0.38	0.04	1.48	87	37.32	104	93	69	0	7	2	0
	SPRINGFIELD	32	12	46	4	22	-6	0.13	-0.46	0.11	2.26	100	28.98	83	90	56	0	7	3	0
IN	EVANSVILLE	36	18	47	8	27	-6	0.34	-0.46	0.16	5.14	170	39.33	93	89	52	0	7	3	0
	FORT WAYNE	28	11	43	5	20	-6	0.21	-0.42	0.13	1.95	82	28.33	83	87	51	0	7	2	0
	INDIANAPOLIS	32	14	45	4	23	-6	0.23	-0.50	0.08	2.58	93	32.41	82	90	49	0	7	4	0
	SOUTH BEND	27	11	41	5	19	-8	0.06	-0.67	0.03	2.62	96	30.49	79	87	57	0	7	2	0
IA	BURLINGTON	27	8	38	-1	18	-7	0.11	-0.32	0.06	2.50	152	36.72	103	88	60	0	7	2	0
	CEDAR RAPIDS	21	-3	35	-13	9	-12	0.19	-0.14	0.13	0.53	40	32.22	96	96	70	0	7	3	0
	DES MOINES	25	5	39	-9	15	-7	0.26	-0.02	0.25	0.37	34	31.50	96	89	69	0	7	2	0
	DUBUQUE	20	0	33	-11	10	-9	0.12	-0.28	0.06	0.56	34	34.76	91	92	66	0	7	4	0
	SIOUX CITY	29	5	51	-6	17	-3	0.10	-0.07	0.08	0.20	31	30.51	119	89	67	0	7	2	0
	WATERLOO	20	-2	41	-15	9	-9	0.21	-0.06	0.10	0.35	32	43.75	131	93	65	0	7	4	0
KS	CONCORDIA	40	20	60	10	30	2	0.01	-0.17	0.01	0.45	64	25.52	89	85	52	0	7	1	0
	DODGE CITY	49	21	64	16	35	4	0.00	-0.14	0.00	0.26	48	21.32	100	87	36	0	7	0	0
	GOODLAND	46	20	61	12	33	5	0.06	-0.02	0.05	0.31	94	20.33	112	86	40	0	7	2	0
	TOPEKA	38	18	59	10	28	-1	0.09	-0.21	0.09	1.78	150	35.04	100	88	57	0	7	1	0

Based on 1961-90 normals

***** Not Available**

Weather Data for the Week Ending December 25, 1999

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	WICHITA	42	24	56	18	33	2	0.00	-0.25	0.00	4.07	407	45.51	156	89	56	0	7	0	0
KY	JACKSON	39	24	59	10	32	-4	0.11	-0.87	0.09	2.53	71	40.08	82	86	45	0	6	2	0
	LEXINGTON	35	18	51	2	26	-8	0.23	-0.66	0.12	2.69	82	32.28	74	86	53	0	7	3	0
	LOUISVILLE	36	20	49	6	28	-7	0.38	-0.42	0.21	4.67	156	40.11	92	86	54	0	7	3	0
	PADUCAH	41	20	52	12	30	-5	0.05	-0.98	0.05	4.05	105	41.10	85	89	42	0	7	1	0
LA	BATON ROUGE	56	35	65	31	46	-6	1.96	0.69	1.78	5.27	118	47.54	79	93	51	0	4	2	1
	LAKE CHARLES	58	35	69	30	47	-5	1.63	0.47	1.59	4.53	111	37.37	69	97	54	0	3	3	1
	NEW ORLEANS	57	41	65	36	49	-4	1.88	0.56	1.84	3.85	83	46.38	76	88	55	0	0	2	1
	SHREVEPORT	55	31	66	24	43	-4	0.04	-0.87	0.03	3.86	116	54.58	120	87	39	0	5	2	0
ME	CARIBOU	22	5	36	-8	14	2	0.65	-0.05	0.56	2.68	101	38.42	107	91	56	0	7	2	1
	PORTLAND	35	16	47	4	26	2	0.74	-0.24	0.54	2.02	54	40.52	93	83	45	0	7	2	1
MD	BALTIMORE	41	27	49	14	34	-1	0.37	-0.40	0.32	3.02	110	44.13	110	83	47	0	4	3	0
MA	BOSTON	40	24	59	12	32	0	0.17	-0.72	0.15	1.53	47	37.90	93	68	40	0	6	2	0
	WORCESTER	35	18	54	6	27	2	0.70	-0.19	0.67	2.54	77	41.35	88	77	39	0	7	2	1
MI	ALPENA	26	9	38	4	17	-5	0.07	-0.37	0.07	1.71	103	20.66	73	87	53	0	7	1	0
	GRAND RAPIDS	27	10	39	-7	18	-7	0.33	-0.28	0.24	2.51	106	32.79	92	94	71	0	7	5	0
	HOUGHTON LAKE	23	7	35	-2	15	-6	0.10	-0.32	0.08	1.66	103	27.70	99	91	67	0	7	2	0
	LANSING	27	6	41	-8	17	-7	0.13	-0.37	0.07	1.92	99	28.49	94	94	70	0	7	4	0
	MUSKEGON	28	14	42	5	21	-6	0.10	-0.57	0.06	2.35	95	29.96	94	89	63	0	7	4	0
	TRAVERSE CITY	25	10	38	4	17	-6	0.15	-0.32	0.11	1.56	90	30.36	103	88	68	0	7	3	0
MN	DULUTH	17	-3	44	-15	7	-3	0.00	-0.28	0.00	0.00	0	38.67	130	89	61	0	7	0	0
	INT'L FALLS	18	-8	45	-22	5	1	0.00	-0.19	0.00	0.09	13	28.86	119	85	61	0	7	0	0
	MINNEAPOLIS	19	1	43	-8	10	-6	0.17	-0.05	0.10	0.17	19	30.34	108	88	59	0	7	2	0
	ROCHESTER	17	-2	39	-13	7	-8	0.08	-0.14	0.08	0.08	9	37.14	126	92	68	0	7	1	0
	ST. CLOUD	19	-4	44	-15	7	-5	0.03	-0.14	0.02	0.03	4	25.89	95	88	59	0	7	2	0
MS	JACKSON	52	32	59	26	42	-5	0.67	-0.68	0.51	2.77	58	43.23	80	94	55	0	5	2	1
	MERIDIAN	53	32	60	24	43	-4	0.76	-0.64	0.43	3.48	71	37.44	67	93	51	0	5	2	0
	TUPELO	48	28	55	20	38	-4	0.40	-1.00	0.23	3.65	73	49.96	91	92	45	0	5	3	0
MO	COLUMBIA	38	16	49	7	27	-3	0.03	-0.49	0.03	3.42	165	28.19	73	87	46	0	7	1	0
	KANSAS CITY	36	17	53	8	27	-1	0.13	-0.21	0.13	2.20	169	40.25	108	89	59	0	7	1	0
	SAINT LOUIS	39	18	47	12	29	-3	0.00	-0.65	0.00	1.88	74	34.08	92	84	49	0	7	0	0
	SPRINGFIELD	41	20	52	11	31	-3	0.01	-0.66	0.01	6.97	263	41.77	98	85	40	0	7	1	0
MT	BILLINGS	41	26	52	14	34	10	0.11	-0.08	0.07	0.21	34	12.95	87	79	44	0	6	2	0
	BUTTE	29	6	34	-5	17	1	0.27	0.16	0.11	0.61	165	11.75	98	96	67	0	7	3	0
	GLASGOW	35	14	48	-4	25	12	0.10	0.02	0.08	0.21	70	14.58	134	89	57	0	7	3	0
	GREAT FALLS	44	26	55	15	35	12	0.00	-0.19	0.00	0.05	7	12.46	83	75	38	0	6	0	0
	KALISPELL	31	24	32	18	27	6	0.00	-0.41	0.00	1.10	79	14.16	88	90	73	0	7	0	0
	MILES CITY	39	17	52	6	28	11	0.14	0.00	0.09	0.22	45	11.27	81	88	54	0	7	3	0
	MISSOULA	34	27	39	21	30	8	0.05	-0.23	0.04	0.47	51	12.14	92	92	68	0	7	2	0
NE	GRAND ISLAND	39	15	62	4	27	3	0.01	-0.13	0.01	0.05	8	26.11	105	90	50	0	7	1	0
	LINCOLN	34	10	58	-3	22	-2	0.13	-0.06	0.13	0.55	74	27.24	97	92	60	0	7	1	0
	NORFOLK	32	11	54	-2	22	1	0.04	-0.12	0.03	0.10	16	25.02	100	88	60	0	7	2	0
	NORTH PLATTE	44	10	65	0	27	4	0.04	-0.07	0.04	0.04	10	19.34	101	95	43	0	7	1	0
	OMAHA	31	8	50	-3	19	-4	0.15	-0.07	0.11	0.58	68	38.73	130	93	67	0	7	3	0
	SCOTTSBLUFF	42	18	59	10	30	5	0.04	-0.09	0.02	0.15	31	16.89	111	88	45	0	7	3	0
	VALENTINE	40	13	57	0	26	5	0.02	-0.06	0.01	0.11	35	19.39	107	89	42	0	7	2	0
NV	ELY	44	11	50	5	28	4	0.00	-0.17	0.00	0.05	8	6.48	65	84	30	0	7	0	0
	LAS VEGAS	63	40	65	37	51	6	0.00	-0.08	0.00	0.00	0	3.73	92	40	20	0	0	0	0
	RENO	51	18	53	16	35	3	0.00	-0.22	0.00	0.13	16	4.46	61	80	29	0	7	0	0
	WINNEMUCCA	49	8	51	3	28	-1	0.00	-0.19	0.00	0.08	11	5.45	68	86	33	0	7	0	0
NH	CONCORD	33	13	42	7	23	1	0.54	-0.14	0.51	1.35	52	40.07	112	85	41	0	7	2	1
NJ	NEWARK	42	28	60	18	35	1	0.98	0.22	0.98	2.96	105	44.79	103	75	37	0	6	1	1
NM	ALBUQUERQUE	44	23	57	17	34	0	0.02	-0.09	0.02	0.03	8	8.29	95	66	25	0	7	1	0
NY	ALBANY	33	17	42	7	25	1	0.23	-0.41	0.23	1.40	58	38.60	108	83	48	0	7	1	0
	BINGHAMTON	30	15	41	4	23	-1	0.59	-0.06	0.56	1.59	65	32.62	90	92	59	0	7	3	1
	BUFFALO	31	16	49	6	23	-4	0.32	-0.48	0.18	1.99	66	33.90	89	85	56	0	7	4	0
	ROCHESTER	32	18	48	10	25	-2	0.12	-0.47	0.11	1.57	70	32.67	104	87	57	0	6	2	0
	SYRACUSE	32	16	47	2	24	-2	0.25	-0.44	0.14	1.28	48	31.00	81	88	53	0	7	2	0
NC	ASHEVILLE	45	31	55	18	38	0	0.33	-0.45	0.21	2.08	73	39.96	85	88	49	0	4	3	0
	CHARLOTTE	48	34	54	21	41	0	0.68	-0.12	0.54	1.85	66	35.00	83	99	60	0	3	3	1
	GREENSBORO	44	33	49	20	39	0	0.64	-0.13	0.52	2.08	77	42.73	102	97	53	0	4	3	1
	HATTERAS	55	45	71	30	50	2	0.54	-0.49	0.27	4.01	111	53.20	96	93	71	0	1	3	0
	RALEIGH	45	33	51	20	39	-2	0.35	-0.39	0.14	2.30	89	50.66	124	98	68	0	4	4	0
	WILMINGTON	55	41	61	23	48	1	0.61	-0.23	0.52	1.52	53	71.50	134	93	59	0	1	4	1
ND	BISMARCK	29	5	49	-11	17	5	0.04	-0.07	0.04	0.24	62	26.52	173	89	63	0	7	1	0
	DICKINSON	31	10	44	-7	21	6	0.07	-0.01	0.05	0.11	37	18.00	112	90	61	0	7	2	0
	FARGO	22	1	47	-15	11	2	0.01	-0.13	0.01	0.10	20	25.05	130	88	63	0	7	1	0
	GRAND FORKS	21	-3	45	-21	9	1	0.03	-0.12	0.02	0.06	12	21.45	118	88	63	0	7	2	0
	JAMESTOWN	25	3	46	-14	14	4	0.01	-0.10	0.01	0.04	10	22.29	133	91	63	0	7	1	0
	WILLISTON	29	4	45	-14	17	6	0.04	-0.10	0.03	0.25	53	14.90	110	89	57	0	7	2	0
OH	AKRON-CANTON	31	15	48	8	23	-6	0.08	-0.57	0.08	1.84	76	35.83	99	89	59	0	7	1	0
	CINCINNATI	34	14	49	0	24	-8	0.30	-0.39	0.22	3.54	137	32.47	80	93	52	0	7	3	0
	CLEVELAND	31	16	50	11	23	-6	0.37	-0.30	0.32	2.43	95	31.41	87	83	49	0	7	2	0
	COLUMBUS	34	17	50	7	26	-4	0.16	-0.46	0.13	2.47	104	27.36	73	82	45	0	7	2	0
	DAYTON	32	14	48	6	23	-7	0.17	-0.47	0.17	2.50	103	29.89	83	86	49	0	7	1	0
	MANSFIELD	30	12	49	4	21	-7	0.04	-0.61	0.04	2.37	93	33.89	87	89	51	0	7	1	0

Based on 1961-90 normals ***** Not Available**

Weather Data for the Week Ending December 25, 1999

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							RELATIVE HUMIDITY, PERCENT		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
	TOLEDO	29	13	44	7	21	-5	0.23	-0.41	0.16	1.70	70	28.96	89	84	44	0	7	2	0
	YOUNGSTOWN	31	16	49	9	23	-5	0.03	-0.61	0.02	2.08	86	41.68	113	85	51	0	7	2	0
OK	OKLAHOMA CITY	49	26	59	21	38	0	0.00	-0.30	0.00	3.71	317	39.38	119	85	45	0	7	0	0
	TULSA	47	25	58	18	36	-1	0.00	-0.44	0.00	5.09	281	48.16	120	82	37	0	7	0	0
OR	ASTORIA	53	40	59	35	47	5	0.07	-2.30	0.06	12.58	147	87.97	137	92	66	0	0	2	0
	BURNS	41	16	43	9	28	4	0.00	-0.25	0.00	0.70	74	7.43	76	94	62	0	7	0	0
	EUGENE	46	31	51	25	38	-3	0.00	-1.93	0.00	3.68	53	42.53	89	98	75	0	5	0	0
	MEDFORD	43	28	51	22	36	-1	0.00	-0.74	0.00	0.91	34	16.59	91	10	75	0	6	0	0
	PENDLETON	38	29	49	22	33	0	0.04	-0.32	0.04	1.06	81	9.47	81	93	77	0	6	1	0
	PORTLAND	49	36	51	27	43	3	0.00	-1.39	0.00	3.53	71	39.11	111	94	58	0	2	0	0
	SALEM	51	31	56	25	41	2	0.00	-1.52	0.00	5.35	97	46.75	123	99	61	0	4	0	0
PA	ALLENTOWN	37	22	43	10	30	0	0.56	-0.21	0.56	2.31	81	39.90	93	82	42	0	6	1	1
	ERIE	32	21	51	17	27	-2	0.46	-0.31	0.38	2.51	84	39.23	96	93	54	0	7	3	0
	MIDDLETOWN	38	25	44	16	31	-1	0.22	-0.49	0.22	2.60	98	38.47	96	75	41	0	6	1	0
	PHILADELPHIA	42	28	53	18	35	1	0.36	-0.40	0.35	2.98	108	48.45	119	76	40	0	4	2	0
	PITTSBURGH	33	18	50	9	26	-4	0.15	-0.51	0.15	2.22	94	36.15	100	84	47	0	7	1	0
	WILKES-BARRE	35	21	48	10	29	1	0.06	-0.48	0.06	1.28	62	35.44	99	83	44	0	7	1	0
	WILLIAMSPORT	33	22	42	12	28	-1	0.53	-0.03	0.53	2.36	102	45.25	113	85	52	0	5	1	1
RI	PROVIDENCE	41	22	60	12	32	1	0.26	-0.72	0.25	2.39	67	42.28	95	73	39	0	6	2	0
SC	BEAUFORT	56	41	64	26	49	-2	1.42	0.66	1.26	2.47	98	50.00	99	96	70	0	2	3	1
	CHARLESTON	55	41	63	25	48	-2	1.48	0.74	1.37	2.60	104	43.56	86	97	69	0	2	3	1
	COLUMBIA	51	38	56	22	45	-1	0.74	-0.11	0.49	1.53	54	30.10	61	97	66	0	2	3	0
	GREENVILLE	51	37	57	22	44	2	0.79	-0.16	0.71	2.75	83	36.04	71	85	52	0	2	3	1
SD	ABERDEEN	28	3	51	-14	15	2	0.01	-0.07	0.01	0.15	45	22.26	121	89	61	0	7	1	0
	HURON	31	5	55	-9	18	2	0.02	-0.09	0.01	0.04	10	16.73	84	91	63	0	7	2	0
	RAPID CITY	41	16	59	4	29	6	0.13	0.02	0.11	0.17	44	18.92	114	81	47	0	7	2	0
	SIOUX FALLS	26	1	45	-12	13	-3	0.02	-0.12	0.02	0.07	12	21.24	89	92	70	0	7	1	0
TN	BRISTOL	43	27	61	9	35	-2	0.39	-0.38	0.18	1.44	53	35.25	88	91	55	0	4	3	0
	CHATTANOOGA	50	32	64	20	41	1	0.24	-0.94	0.21	1.87	45	47.51	91	94	50	0	4	3	0
	KNOXVILLE	47	29	62	17	38	-1	0.15	-0.90	0.13	1.77	48	49.59	107	90	51	0	5	3	0
	MEMPHIS	47	29	56	23	38	-4	0.00	-1.26	0.00	4.76	101	45.56	89	77	41	0	5	0	0
	NASHVILLE	45	27	58	18	36	-3	0.04	-0.99	0.04	2.51	66	40.82	88	89	60	0	5	1	0
TX	ABILENE	53	28	63	21	41	-3	0.00	-0.22	0.00	0.36	43	16.78	69	69	31	0	6	0	0
	AMARILLO	44	24	55	13	34	-2	0.11	0.03	0.10	0.55	162	26.61	137	86	50	0	7	2	0
	AUSTIN	59	33	70	26	46	-4	0.30	-0.11	0.29	1.35	87	25.98	82	91	42	0	4	2	0
	BEAUMONT	61	37	70	33	49	-4	1.23	0.15	1.22	4.12	107	36.72	65	88	46	0	0	2	1
	BROWNSVILLE	66	48	78	43	57	-4	0.30	0.01	0.12	0.34	34	23.05	87	97	66	0	0	4	0
	CORPUS CHRISTI	63	45	75	39	54	-3	0.25	-0.04	0.25	0.26	26	29.29	98	85	53	0	0	1	0
	DEL RIO	56	41	69	26	49	-2	0.01	-0.13	0.01	0.01	2	15.32	85	77	40	0	1	1	0
	EL PASO	49	29	55	25	39	-4	0.64	0.50	0.62	0.64	133	8.14	93	77	39	0	5	2	1
	FORT WORTH	55	34	62	28	45	-1	0.00	-0.41	0.00	2.58	172	23.74	71	76	35	0	3	0	0
	GALVESTON	59	45	68	38	52	-3	1.84	1.04	1.84	5.69	200	33.41	80	93	62	0	0	1	1
	HOUSTON	61	36	71	30	48	-4	0.16	-0.61	0.16	2.25	80	28.33	62	93	46	0	3	1	0
	LUBBOCK	47	24	59	19	36	-3	0.00	-0.11	0.00	0.41	93	19.54	105	88	43	0	6	0	0
	MIDLAND	49	30	59	20	40	-3	0.00	-0.12	0.00	0.00	0	6.69	45	78	31	0	5	0	0
	SAN ANGELO	54	33	67	22	43	-2	0.00	-0.17	0.00	0.09	14	13.48	66	72	31	0	5	0	0
	SAN ANTONIO	59	39	70	30	49	-2	0.18	-0.12	0.09	0.51	41	16.71	54	79	39	0	2	3	0
	VICTORIA	63	40	74	34	51	-3	0.62	0.16	0.62	1.06	64	25.83	70	86	46	0	0	1	1
	WACO	56	33	66	30	44	-3	0.13	-0.27	0.11	2.71	178	20.43	65	89	45	0	5	3	0
	WICHITA FALLS	52	27	58	22	40	-1	0.00	-0.28	0.00	0.76	72	29.55	103	84	37	0	6	0	0
UT	SALT LAKE CITY	40	27	43	22	34	6	0.15	-0.16	0.08	1.63	141	13.45	84	85	51	0	6	2	0
VT	BURLINGTON	31	17	43	3	24	3	0.59	0.08	0.59	1.12	56	32.55	96	79	43	0	7	1	1
VA	LYNCHBURG	41	28	49	10	35	-2	0.47	-0.25	0.21	2.33	89	39.71	99	98	65	0	4	5	0
	NORFOLK	48	37	70	21	43	1	0.30	-0.46	0.16	1.74	68	55.47	126	92	66	0	3	4	0
	RICHMOND	43	30	51	18	37	-2	0.32	-0.42	0.21	2.28	87	48.78	115	94	61	0	4	3	0
	ROANOKE	44	30	50	15	37	0	0.51	-0.15	0.28	2.50	103	36.22	89	91	53	0	4	5	0
	WASH/DULLES	39	25	45	12	32	-2	0.24	-0.47	0.19	2.71	103	43.62	110	88	48	0	5	3	0
WA	OLYMPIA	43	38	49	33	41	3	0.01	-1.81	0.01	9.88	151	65.55	134	97	82	0	0	1	0
	QUILLAYUTE	50	33	57	27	41	1	0.15	-3.33	0.12	21.15	169	132.8	130	10	74	0	5	4	0
	SEATTLE-TACOMA	43	36	47	31	40	0	0.10	-1.22	0.10	5.14	107	42.09	117	99	82	0	2	1	0
	SPOKANE	34	25	37	19	30	3	0.00	-0.55	0.00	2.10	107	14.69	92	97	79	0	7	0	0
	YAKIMA	41	28	52	22	34	5	0.00	-0.33	0.00	0.29	25	6.07	79	97	71	0	5	0	0
WV	BECKLEY	35	23	50	6	29	-3	0.05	-0.68	0.03	1.76	67	35.54	88	86	62	0	5	2	0
	CHARLESTON	40	24	60	9	32	-3	0.11	-0.63	0.06	2.48	90	37.09	88	90	48	0	5	3	0
	ELKINS	36	18	55	1	27	-3	0.21	-0.57	0.10	3.18	112	37.55	85	93	51	0	6	5	0
	HUNTINGTON	38	23	58	8	31	-4	0.16	-0.58	0.05	2.51	96	33.53	82	82	41	0	6	3	0
WI	EAU CLAIRE	17	-4	39	-15	7	-7	0.31	0.06	0.29	0.32	35	29.46	94	90	65	0	7	2	0
	GREEN BAY	21	-2	36	-11	10	-8	0.12	-0.20	0.07	0.78	61	23.78	83	86	61	0	7	2	0
	LA CROSSE	21	3	42	-6	12	-6	0.08	-0.19	0.07	0.42	40	33.55	111	88	55	0	7	2	0
	MADISON	22	1	34	-6	12	-8	0.05	-0.34	0.02	0.81	53	31.81	104	87	59	0	7	3	0
	MILWAUKEE	24	8	37	0	16	-6	0.02	-0.49	0.02	1.24	64	37.88	116	86	55	0	7	1	0
WY	CASPER	36	15	43	4	26	3	0.05	-0.09	0.02	0.13	24	8.98	72	79	52	0	7	3	0
	CHEYENNE	38	19	51	10	28	1	0.01	-0.07	0.01	0.23	68	16.16	113	86	52	0	7	1	0
	LANDER	40	15	47	8	28	8	0.04	-0.08	0.04	0.19	40	13.79	107	83	35	0	7	1	0
	SHERIDAN	41	21	51	13	31	10	0.38	0.21	0.13	0.94	159	13.68	95	86	54	0	7	3	0

Based on 1961-90 normals ***** Not Available**

NOTE: These data are preliminary and subject to change. In the past, precipitation totals from a number of stations have been incomplete.

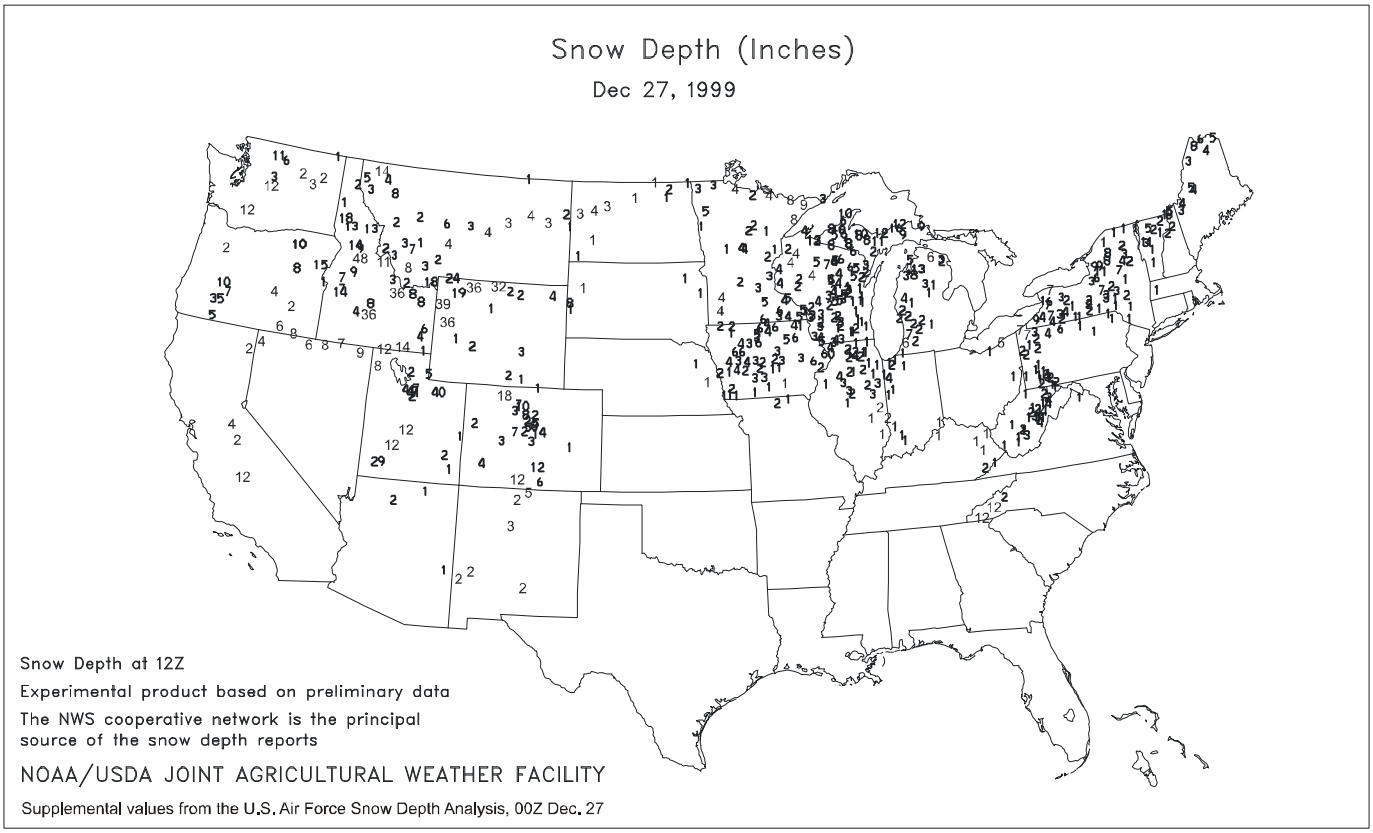
National Agricultural Summary

December 20 - 26, 1999

HIGHLIGHTS

Patchy snow covered winter wheat fields in the Corn Belt, providing some protection from the lowest temperatures of the winter. Lows near zero and sub-zero wind chills were common in the soft red winter regions of Illinois, Indiana, Ohio, and Michigan early in the week. Winds blew some of the snow cover into road side ditches, but a thin protective layer remained in some areas until a late-week warm-up melted most of the snow. Little or no precipitation fell on the central and northern Great Plains, and snow cover diminished for hard red winter wheat fields in most areas. However, winterkill was not an immediate concern in Kansas, Colorado, Nebraska, and South Dakota due to above normal temperatures. In Montana, snow cover remained adequate, even though temperatures averaged 10 to 16 degrees F above normal east of the Rockies. In Texas, seeding and re-seeding of wheat and oats continued where recent rain or snowfall supplied some moisture. Harvest of remaining summer crops continued, with only minor delays due to blowing snow in the Panhandle and light showers in eastern Texas. Land preparation slowly continued for the 2000 crops. In California, field activities progressed normally, although rain was badly needed in most areas. Seeding of irrigated small grains, alfalfa, and forage crops continued, but growers postponed planting of dryland small grains. Most of the recently seeded wheat fields required irrigation to germinate and emerge, but warm weather stimulated growth where moisture was available. Orchards, vineyards, and vegetable growers continued with normal winter activities. In Florida, light rains preceded a cold front that lowered temperatures into the upper thirties in several of the State's central and northern citrus groves. Light frost killed weeds and cover crops, but did not damage fruit.

(Commodity-specific information will resume during the first week of April 2000.)



International Weather and Crop Summary

December 19 - 25, 1999

HIGHLIGHTS

FSU-WESTERN: Cold weather returned to the region, but most winter wheat areas had an adequate layer of protective snow cover.

EUROPE: Stormy weather hit the northwest while bitterly cold air enveloped the east.

NORTHWESTERN AFRICA: Unfavorably dry topsoils hampered winter grain emergence and establishment in Morocco.

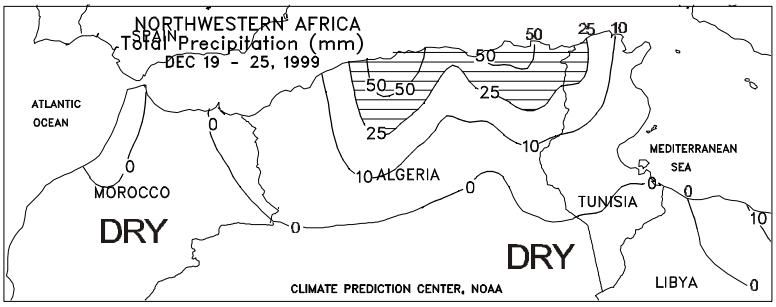
AUSTRALIA: Locally heavy rain in Queensland's cotton and sorghum areas kept soils unseasonably wet.

SOUTH AFRICA: Warmer, drier weather favored growth of corn and other summer crops.

SOUTHEAST ASIA: Drier weather aids rice harvesting in the Philippines and Indochina.

EASTERN ASIA: Winter wheat remained dormant despite mild weather.

SOUTH AMERICA: Showers continued to benefit summer crops across the region, but more rain is still needed in Argentina's Buenos Aires province.

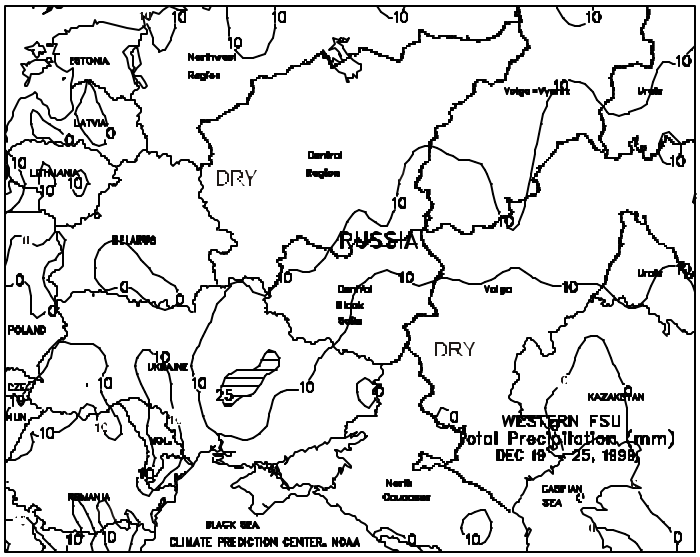


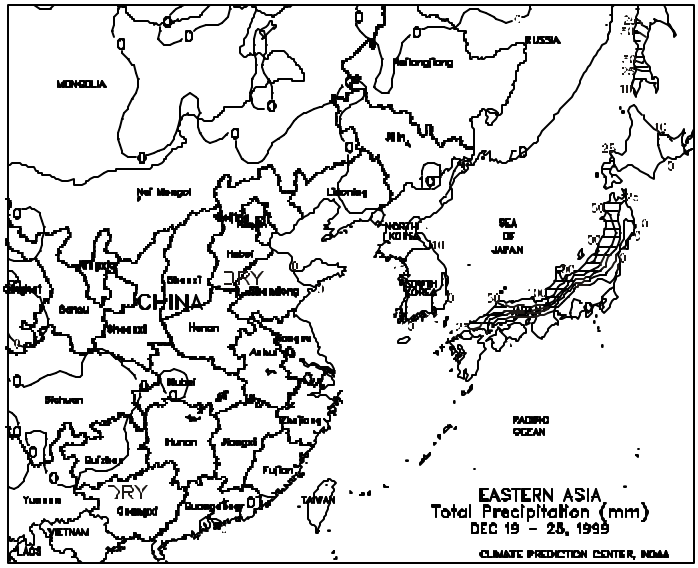
EUROPE

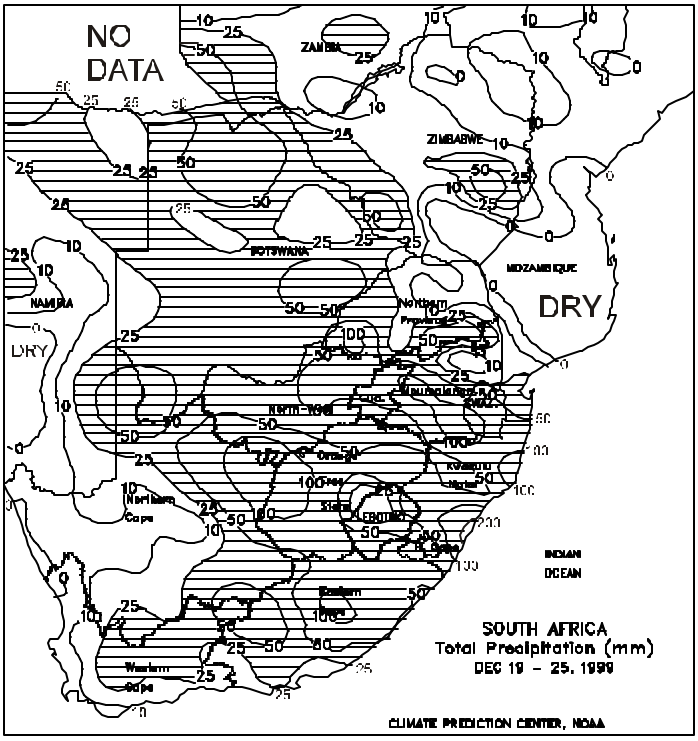
Rain and snow (20-60 mm) maintained soil moisture across southern England, northern France, the Benelux countries, Denmark, and western Germany. Winter grains entered dormancy across England and eastern France as average temperatures remained below 5 degrees C for the second consecutive week. Farther east, unseasonably cold air (temperatures 1-7 degrees C below normal) filtered into much of central and eastern Europe. The coldest air was confined to Slovakia, eastern Hungary, northern Serbia, and northwest Romania, where temperatures averaged 5 to 7 degrees C below normal. Although extreme minimum temperatures were between -15 and -21 degrees C in these areas, snow cover protected dormant winter grains. Drier weather (less than 10 mm) covered much of eastern Europe, except in the southern Balkans, Greece, and Bulgaria, where light rain and snow (10-30 mm) fell. In Italy, light showers (15-35 mm) maintained soil moisture supplies for winter wheat and barley. In contrast, dry weather continued across most of the Iberian peninsula, hampering winter grain development.

NORTHWESTERN AFRICA

Dry weather prevailed over winter grain areas in Morocco, continuing a below-normal rainfall pattern that has developed over the region in recent weeks. Soil moisture reserves were likely becoming limited, and rain is needed soon to prevent a decline in crop conditions. Farther east, light to moderate rain (10-25 mm, with local amounts in excess of 25 mm) fell on most of northern Algeria and Tunisia, maintaining adequate to surplus moisture conditions for winter grains in the early vegetative stage. Weekly temperatures averaged 1 to 3 degrees C below normal in Morocco, Algeria, and Tunisia, lowering evaporation rates and slowing crop development.







FSU-WESTERN

Overwintering conditions remained favorable for winter grains across most of the region. Light to moderate snow (3-25 mm liquid equivalent) spread from the southwestern Ukraine northeastward through Russia, increasing protective snow cover. The snow that fell on southwestern Ukraine protected winter grains from a period of bitterly cold weather (minimum temperatures between -15 and -24 degrees C) that prevailed over the region during December 23-25. Elsewhere, unseasonably mild weather (average weekly temperatures ranging from 2 to 5 degrees C above normal) persisted over eastern Ukraine and most of Russia. Winter grain areas in eastern Ukraine and most of southern Russia lacked protective snow cover, leaving them vulnerable to extreme cold. By week's end, a cooling trend occurred over these areas, dropping temperatures to more seasonable levels.

EASTERN ASIA

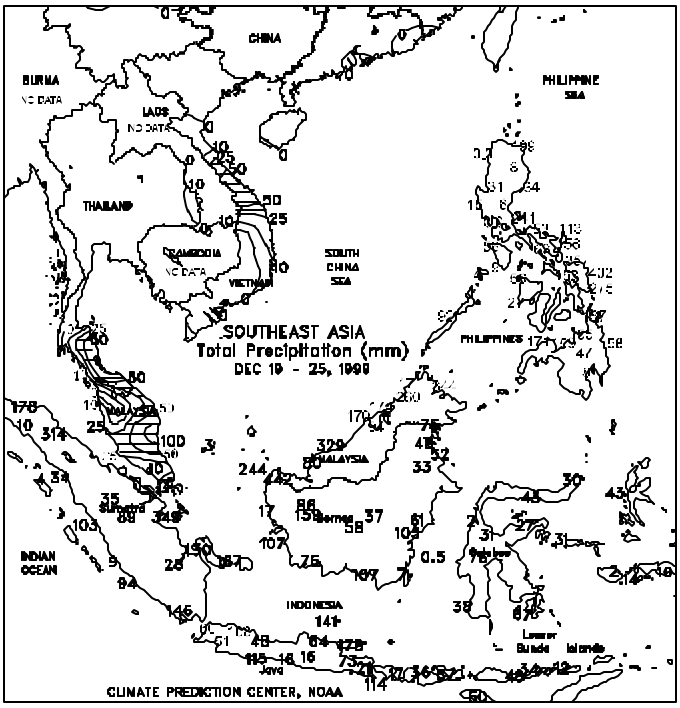
Sections of the North China Plain remained frigid, with lows reaching -11 to -14 degrees C in Shandong and southern Hebei. Although there was no snow cover across this region, readings were above the critical threshold for winterkill, causing no damage to winter wheat. Farther west, however, temperatures of -15 to -20 degrees C were reported in minor winter wheat areas of Shanxi and Shaanxi, increasing the potential for winterkill. Unseasonable cold (lows at or below freezing) in southern China likely burned back winter grains and vegetables.

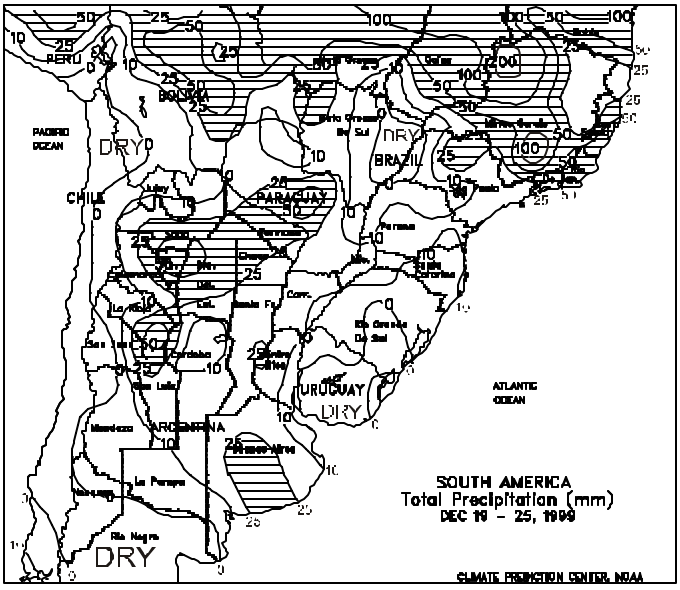
SOUTH AFRICA

Widespread, locally heavy rain (25-50 mm or more) soaked the corn belt, bringing needed relief to vegetative summer crops. The rain was especially welcomed in North West and Free State, where corn has experienced dryness-related stress during much of the early growing season. The moisture will benefit crop establishment and possibly encourage late planting, although the optimal planting period has already passed. In addition, temperatures averaged slightly below normal throughout the region, reducing crop moisture demands. Elsewhere, rainfall was above normal in the sugarcane areas of KwaZulu-Natal (50-100 mm, locally exceeding 200 mm) and Eastern Cape Province (25-50 mm or more). Unseasonable showers (10-25 mm or more) were also recorded in Western Cape, reducing crop irrigation demands and lowering temperatures to more seasonable levels.

SOUTHEAST ASIA

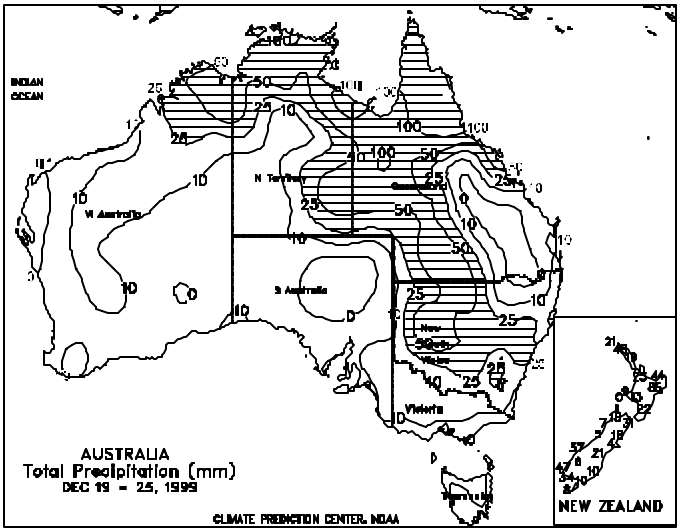
In southern Vietnam, drier weather aided winter-spring rice transplanting. Similarly, seasonably dry weather helped rice fieldwork throughout Thailand. In contrast, locally heavy showers (150-400 mm) fell across the east-central Philippines, likely causing localized flooding. Elsewhere in the Philippines, scattered showers (30-150 mm) favored second-season crops. Scattered showers (20-100 mm) benefited main-season rice in Java, Indonesia and plantation crops across peninsular Malaysia.





AUSTRALIA

Moderate showers (10-25 mm or more) caused additional winter crop harvest delays across the southeast. It was the third week of untimely rainfall in New South Wales, although conditions have been beneficial for summer crops and pastures. Harvest weather remained generally favorable in South Australia's Eyre Peninsula, but showers (10-25 mm) redeveloped over southeastern South Australia and Western Victoria, hampering fieldwork. Farther north, mostly dry weather brought some relief to winter grain areas of northeastern New South Wales and southern Queensland. By this time, however, harvesting should be finished in most of this area, and remaining crops have likely experienced considerable declines in quality. Locally heavy rain (25-50 mm or more) just west of the northern winter grain belt benefited cotton, sorghum, and grazing lands. Temperatures averaged 2 to 4 degrees C below normal throughout the wettest parts of the east, slowing summer crop growth and exacerbating the effects of the wetness on winter crops. In Western Australia, warmer, drier weather allowed a resumption in winter crop harvesting following last week's rainfall. In New Zealand, light showers (5-25 mm) covered the main crop and pasture areas.



SOUTH AMERICA

In southern Brazil, dry, warm weather returned to much of the region following last week's extremely beneficial showers. Rainfall was negligible from Mato Grosso do Sul and southern Sao Paulo southward to Uruguay, with temperatures averaging 2 to 3 degrees C above normal. Highs in the middle to upper 30s degrees C were common in the interior crop areas, raising crop moisture demands. According to reports as of December 17, Brazilian soybeans were 94 percent planted compared with 95 percent last year, although some locations were well behind the normal pace due to dryness. Fortunately, showers (25-50 mm or more) continued to benefit coffee in northern Sao Paulo and Minas Gerais. In northern Argentina and Paraguay, brief periods of stressful heat (highs in the upper 30s to lower 40s degrees C) were mitigated by outbreaks of summer showers (10-25 mm or more). As a result, stress on that area's cotton and soybeans was likely short-lived. In contrast, cool, showery weather lingered over the main summer crop areas of central Argentina (southern Cordoba, southern Santa Fe, northern Buenos Aires, and northern La Pampa). Rainfall was lighter (5-25 mm) than last week, but temperatures averaging 1 to 2 degrees C below normal (highs mostly in the lower 30s degrees C) reduced crop moisture demands. However, these conditions fostered additional wheat harvesting delays.

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* **w** = weekly, **m** = monthly, **s** = seasonal (published every March, June, September, and December for the preceding 3 months)

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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 Weather Chronicle*. It is issued under general authority of the Act of January 12, 1895 (44-USC 213), 53rd Congress, 3rd Session. NOAA is responsible for managing, printing, and distributing the bulletin. The contents may be reprinted freely, with proper credit.

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Stoneville . . . . . ***Michael Toth*** and ***Elizabeth Lord***

Weather Data for Selected Locations in the Delta

Weather Data for the Week Ending December 25, 1999

Data provided by the Mississippi State Delta Research and Extension Center (DREC) and the Southern Regional Climate Center (SRCC).

STATES AND STATIONS		TEMPERATURE °F						PRECIPITATION							4-INCH SOIL TEMP, °F		NUMBER OF DAYS			
																	TEMP. °F		PRECIP	
		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 Jun 1	PCT. NORMAL SINCE Jun 1	TOTAL, IN., SINCE Jan 1	PCT. NORMAL SINCE Jan 1	AVERAGE MAXIMUM	AVERAGE MINIMUM	90 AND ABOVE	32 AND BELOW	.01 INCH OR MORE	.50 INCH OR MORE
MS	BATESVILLE x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	BELZONI x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	CLARKSDALE x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	CLEVELAND x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GREENVILLE x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	GREENWOOD x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	INDIANOLA 1S	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	INVERNESS 5E	48	32	55	27	40	--	0.42	--	0.22	2.72	--	44.61	--	50	44	0	5	2	0
	LYON	48	28	55	22	38	--	0.01	--	0.01	3.28	--	--	--	--	--	0	5	1	0
	MOORHEAD x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ONWARD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	ROLLING FORK x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SIDON	50	33	59	27	42	--	0.37	--	0.21	2.35	--	--	--	51	47	0	5	2	0
	TUNICA x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	VICKSBURG x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	YAZOO CITY x	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	STONEVILLE *	49	30	57	26	40	-4	0.38	-0.84	0.35	3.44	74	50.68	99	49	41	0	5	2	0

Compiled by USDA/OCE/WAOB's Stoneville Field Office.
*** Based on 1964-93 normals.**
x Based on 1961-90 normals.

Delta Weather and Crop Summary: Above-normal temperatures prevailed early in the week, but cold weather and sub-freezing temperatures arrived thereafter. Some areas, including Stoneville, experienced sub-freezing temperatures for periods exceeding 24 hours. The extended spells of below-freezing temperatures helped to control insect populations. In addition, light to moderate early-week precipitation further boosted soil moisture and aided winter wheat. Some of the precipitation fell in the form of sleet.

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