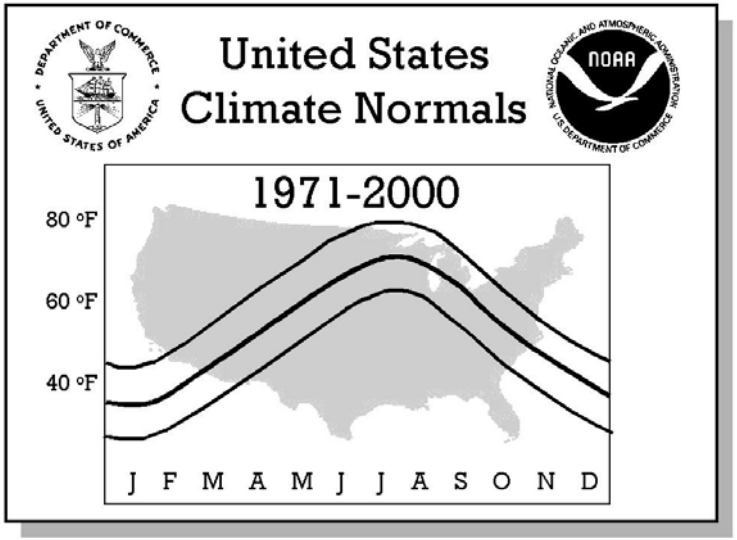
CLIMATOGRAPHY OF THE UNITED STATES NO. 20

Monthly Station Climate Summaries, 1971-2000



TEMPERATURE

PRECIPITATION

SNOW

FREEZE DATA

DEGREE DAYS

WEST VIRGINIA

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
NATIONAL CLIMATIC DATA CENTER
ASHEVILLE, NC
Issue Date: FEB 2004

INTRODUCTION

The Climatography of the United States No. 20 Monthly Station Climate Summaries for the 1971-2000 period of record are station summaries of particular interest to agriculture, industry and engineering applications and include a variety of statistics for temperature, precipitation, snow, and degree day elements for 4,263 stations. The new CLIM20's update and expand on the previous version (1,879 stations) which was last published in 1985 and covered the period 1951-1980. The types of statistics include means, median (precipitation and snow elements), extremes, mean number of days exceeding threshold values, and probabilities for monthly precipitation and freeze data. There is also a table for each station with heating, cooling, and growing degree days for various temperature bases. New columns added by element table are below:

a. Temperature Table:

1. Highest and lowest monthly mean temperature and year of occurrence
2. Mean number of days greater than or equal to 50/100 degrees Fahrenheit

b. Precipitation Table:

1. Median monthly precipitation
2. Lowest monthly total precipitation and year of occurrence
3. Mean number of days greater than or equal to 0.01 inches

c. Snow Table:

1. Median monthly snowfall/snow depth
2. Mean snow depth and highest monthly mean snow depth and year of occurrence
3. Highest daily snowfall/snowfall and date of occurrence
4. Mean number of days greater than or equal to following thresholds, (0.1, 1.0, 3.0, 5.0, 10.0 inches)

d. Degree Days Table:

Added 32 degrees Fahrenheit as a base for HDD/CDD

Notes

a. The monthly means are simple arithmetic averages computed by summing the monthly values for the period 1971-2000 and dividing by thirty. Prior to averaging, the data are adjusted if necessary to compensate for data quality issues, station moves or changes in station reporting practices. Missing months are replaced by estimates based on neighboring stations.

b. The median is defined as the middle value in an ordered set of values. The median is being provided for the snow and precipitation elements because the mean can be a misleading value for precipitation normals.

c. Only observed validated values were used to select the extreme daily values.

d. Extreme monthly temperature/precipitation means were selected from the monthly normals data.
Monthly snow extremes were calculated from daily values quality controlled to be consistent with the Snow Climatology.

e. Degree Days were derived using the same techniques as the 1971-2000 normals.
Compete documentation for the 1971-2000 Normals is available on the internet from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

f. Mean "number of days statistics" for temperature and precipitation were calculated from a serially complete daily data set .
Documentation of the serially complete data set is available from the link below:

g. Snowfall and snow depth statistics were derived from the Snow Climatology.
Documentation for the Snow Climatology project is available from the link under references.

Data Sources for Tables

Several different data sources were used to create the Clim20 climate summaries. In some cases the daily extremes appear inconsistent with the monthly extremes and or the mean number of days statistics. For example, a high daily extreme value may not be reflected in the highest monthly value or the mean number of days threshold that is less than and equal to the extreme value. Some of these difference are caused by different periods of record. Daily extremes are derived from the station's entire period of record while the serial data and normals data were are for the 1971-2000 period. Therefore extremes observed before 1971 would not be included in the 1971-2000 normals or the 1971-2000 serial daily data set. Inconsistencies can also occur when monthly values are adjusted to reflect the current observing conditions or were replaced during the 1971-2000 Monthly Normals processing and are not reconciled with the Summary of the Day data.

a. Temperature/ Precipitation Tables
   1. 1971-2000 Monthly Normals
   2. Cooperative Summary of the Day
   3. National Weather Service station records
   4. 1971-2000 serially complete daily data

b. Degree Day Table
   1. Monthly and Annual Heating and Cooling Degree Days Normals to Selected Bases derived from 1971-2000 Monthly Normals
   2. Daily Normal Growing Degree Units to Selected Base Temperatures derived from 1971-2000 serially complete daily data

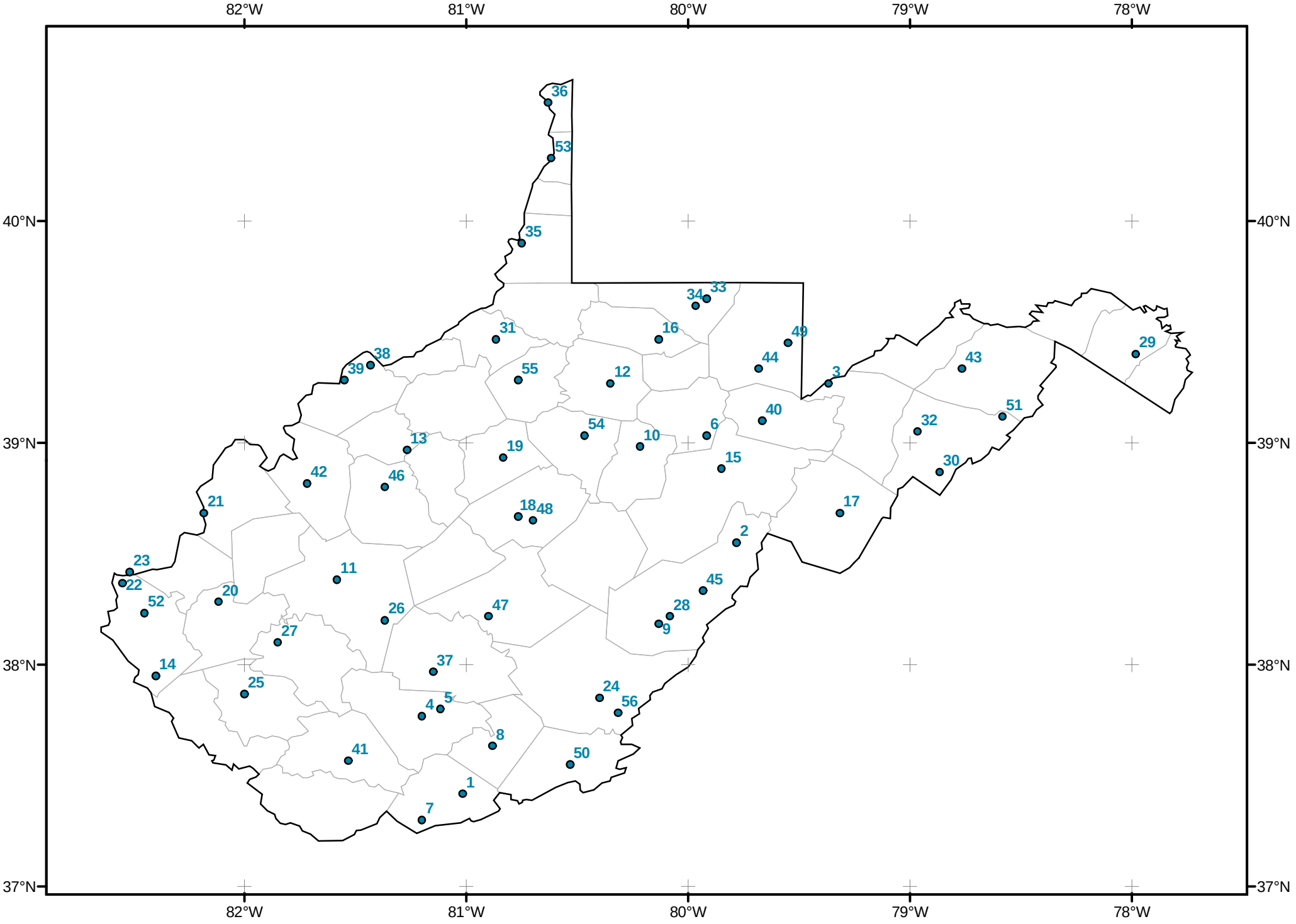
c. Snow Tables
   1. Snow Climatology
   2. Cooperative Summary of the Day

d. Freeze Data Table
   1971-2000 serially complete daily data

References

U.S. Climate Normals 1971-2000, www.ncdc.noaa.gov/normals.html
U.S. Climate Normals 1971-2000-Products Clim20, www.ncdc.noaa.gov/oa/climate/normals/usnormalsprods.html
Snow Climatology Project Description, www.ncdc.noaa.gov/oa/climate/monitoring/snowclim/mainpage.html
Eischeid, J. K., P. Pasteris, H. F. Diaz, M. Plantico, and N. Lott, 2000: Creating a serially complete, national daily time series of temperature and precipitation for the Western United States. J. Appl. Meteorol., 39, 1580-1591,
www1.ncdc.noaa.gov/pub/data/special/ serialcomplete_jam_0900.pdf

West Virginia Station Locations



Climatography of the United States NO.20 (1971-2000)
Station Information List for

West Virginia

Map Num	COOP ID	Station Name, State	Latitude (DEG MN)	Longitude (DEG MN)	Eleva-tion (Feet)	Clmate DIV	Period of Record	Call Sign
001	460355	ATHENS, WV	3725N	8101W	2,565	5	1948-2001	
002	460509	BARTOW 1 S, WV	3833N	7947W	3,025	4	1948-2001	
003	460527	BAYARD, WV	3916N	7922W	2,375	4	1926-2001	
004	460580	BECKLEY VA HOSPITAL, WV	3746N	8112W	2,330	4	1948-2001	
005	460582	BECKLEY AP, WV	3748N	8107W	2,504	4	1963-2001	BKW
006	460633	BELINGTON, WV	3902N	7955W	1,800	2	1948-2001	
007	460921	BLUEFIELD AP, WV	3718N	8112W	2,891	5	1959-2001	BLF
008	460939	BLUESTONE LAKE, WV	3738N	8053W	1,390	5	1948-2001	
009	461215	BUCKEYE, WV	3811N	8008W	2,150	4	1952-2001	
010	461220	BUCKHANNON, WV	3859N	8013W	1,455	2	1948-2001	
011	461570	CHARLESTON YEAGER AP, WV	3823N	8135W	910	3	1948-2001	CRW
012	461677	CLARKSBURG 1, WV	3916N	8021W	990	2	1926-2001	
013	462054	CRESTON, WV	3858N	8116W	650	2	1948-2001	
014	462522	DUNLOW 1 SW, WV	3757N	8224W	1,200	3	1971-2001	
015	462718	ELKINS AP, WV	3853N	7951W	1,948	4	1926-2001	EKN
016	462920	FAIRMONT, WV	3928N	8008W	1,300	2	1926-2001	
017	463215	FRANKLIN 2 NE, WV	3841N	7919W	1,900	6	1948-2001	
018	463361	GASSAWAY, WV	3840N	8046W	840	3	1951-2001	
019	463544	GLENVILLE, WV	3856N	8050W	710	2	1926-2001	
020	463846	HAMLIN, WV	3817N	8207W	680	3	1948-2001	
021	464200	HOGSETT R C BYRD DAM, WV	3841N	8211W	570	3	1948-2001	
022	464393	HUNTINGTON TRI STATE, WV	3822N	8233W	824	3	1961-2001	HTS
023	464397	HUNTINGTON SEWAGE PLNT, WV	3825N	8231W	520	3	1967-2001	
024	465224	LEWISBURG 3 N, WV	3751N	8024W	2,303	5	1948-2001	
025	465353	LOGAN, WV	3752N	8200W	640	3	1948-2001	
026	465365	LONDON LOCKS, WV	3812N	8122W	620	3	1936-2001	
027	465563	MADISON 3 NNW, WV	3806N	8151W	710	3	1948-2001	
028	465672	MARLINTON, WV	3813N	8005W	2,150	4	1926-2001	
029	465707	MARTINSBURG RGNL AP, WV	3924N	7759W	531	6	1926-2001	MRB
030	465739	MATHIAS, WV	3852N	7852W	1,540	6	1948-2001	
031	465963	MIDDLEBOURNE 3 ESE, WV	3928N	8052W	782	2	1948-2001	

032	466163	MOOREFIELD 1 SSE, WV	3903N	7858W	890	6	1948-2001	
033	466202	MORGANTOWN HART AP, WV	3939N	7955W	1,240	2	1948-2001	MGW
034	466212	MORGANTOWN LOCK & DAM, WV	3937N	7958W	825	2	1948-2001	
035	466248	MOUNDSVILLE, WV	3954N	8045W	620	1	1963-2001	
036	466442	NEW CUMBERLAND L/D, WV	4032N	8038W	675	1	1948-2001	
037	466591	OAK HILL, WV	3758N	8109W	1,991	4	1948-2001	
038	466849	PARKERSBURG AP, WV	3921N	8126W	831	1	1948-2001	PKB
039	466859	PARKERSBURG, WV	3917N	8133W	620	1	1926-2001	PKB
040	466867	PARSONS 1 NE, WV	3906N	7940W	1,826	4	1948-2001	
041	467029	PINEVILLE, WV	3734N	8132W	1,280	5	1941-2001	
042	467552	RIPLEY, WV	3849N	8143W	590	3	1948-2001	
043	467730	ROMNEY 1 SW, WV	3920N	7846W	670	6	1948-2001	
044	467785	ROWLESBURG 1, WV	3920N	7941W	1,423	4	1948-2001	
045	468051	SENECA STATE FOREST 1N, WV	3820N	7956W	2,450	4	1967-2000	
046	468384	SPENCER, WV	3848N	8122W	943	3	1926-2001	
047	468614	SUMMERSVILLE LAKE, WV	3813N	8054W	1,760	4	1967-2001	
048	468662	SUTTON LAKE, WV	3839N	8042W	835	3	1948-2001	
049	468777	TERRA ALTA NO 1, WV	3927N	7933W	2,630	4	1948-2001	
050	469011	UNION 3 SSE, WV	3733N	8032W	2,110	5	1948-2001	
051	469281	WARDENSVILLE R M FARM, WV	3907N	7835W	960	6	1926-2001	
052	469323	WAYNE 2, WV	3814N	8227W	600	3	1963-2001	
053	469368	WELLSBURG WTR TRMT PL, WV	4017N	8037W	660	1	1948-2001	
054	469436	WESTON, WV	3902N	8028W	925	2	1948-2001	
055	469458	WEST UNION 2, WV	3917N	8046W	790	2	1971-2001	
056	469522	WHITE SULPHUR SPRINGS, WV	3747N	8019W	1,920	5	1926-2001	

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ATHENS, WV **COOP ID: 460355**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,565 Feet** **Lat: 37˚25N** **Lon: 81˚01W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.1	19.8	30.0	74	1950	25	41.2	1974	-22	1985	21	17.4	1977	1087	0	.0	.0	9.1	6.6	25.8	1.6
Feb	44.4	21.4	32.9	78	1967	3	42.1	1990	-12	1996	5	23.2	1978	898	0	.0	.0	11.7	4.1	22.2	1.0
Mar	53.0	28.4	40.7	82+	1985	30	46.7	1973	-3	1996	9	33.8	1981	754	0	.0	.0	21.7	1.0	17.6	.1
Apr	62.6	37.3	50.0	88	1967	14	55.3	1981	10	1985	10	45.8	1982	453	1	.0	.0	27.3	.1	8.5	.0
May	71.1	46.8	59.0	91	1996	20	64.9	1991	24+	1966	10	54.4	1994	214	26	.0	.1	30.8	.0	1.5	.0
Jun	77.4	55.1	66.3	94	1952	18	68.6+	2000	32	1966	2	62.3	1972	44	81	.0	.2	30.0	.0	.0	.0
Jul	81.0	59.1	70.1	97+	1988	9	74.6	1993	40+	1983	7	67.5	2000	8	166	.0	1.3	31.0	.0	.0	.0
Aug	80.1	57.1	68.6	95+	1988	17	72.0	1987	36	1986	29	65.4	1976	18	129	.0	1.2	31.0	.0	.0	.0
Sep	73.8	50.7	62.3	94	1998	15	66.4	1998	25	1983	24	59.1	1976	116	34	.0	.1	29.9	.0	.5	.0
Oct	64.5	38.9	51.7	89	1970	6	58.3	1984	13	1962	27	44.8	1988	417	5	.0	.0	29.6	.0	7.3	.0
Nov	53.9	30.7	42.3	80	1994	4	49.7	1985	3	1970	25	35.2	1976	681	0	.0	.0	20.9	.5	15.8	.0
Dec	44.3	24.1	34.2	76	1956	6	41.9	1971	-22	1989	23	22.9	1989	955	0	.0	.0	11.9	3.5	22.4	.7
Ann	62.2	39.1	50.7	97+	Jul 1988	9	74.6	Jul 1993	-22+	Dec 1989	23	17.4	Jan 1977	5645	442	.0	2.9	284.9	15.8	121.6	3.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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Station: ATHENS, WV **COOP ID: 460355**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,565 Feet** **Lat: 37°25N** **Lon: 81°01W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.95	2.66	2.60	1998	28	7.00	1998	.79	1983	15.7	6.9	2.0	.3	.92	1.20	1.61	1.97	2.31	2.67	3.06	3.53	4.12	5.05	5.91
Feb	2.72	2.57	2.24	1969	1	5.01	1990	.38	1978	14.1	6.9	1.7	.5	.93	1.18	1.56	1.88	2.18	2.50	2.84	3.24	3.76	4.55	5.28
Mar	3.27	2.98	2.36	1955	6	7.03	1975	1.13	1995	15.2	7.7	2.2	.6	1.43	1.72	2.13	2.46	2.78	3.09	3.43	3.82	4.31	5.06	5.73
Apr	3.29	3.39	2.80	1987	24	5.63	1977	1.02	1976	14.3	7.6	2.1	.5	1.13	1.44	1.90	2.28	2.65	3.03	3.44	3.92	4.54	5.50	6.38
May	3.84	4.09	3.11	2001	17	6.90	1979	1.43	1977	15.3	8.6	2.5	.7	1.63	1.98	2.47	2.87	3.24	3.62	4.03	4.50	5.09	5.99	6.81
Jun	3.21	2.81	3.50	1949	17	8.71	1979	.47	1999	13.0	7.1	2.2	.6	.88	1.18	1.65	2.05	2.45	2.86	3.32	3.87	4.58	5.69	6.73
Jul	3.89	3.70	3.20	2001	9	7.17	1980	1.76	1987	13.6	8.5	2.5	.7	1.72	2.06	2.55	2.94	3.31	3.68	4.08	4.54	5.11	5.99	6.78
Aug	3.06	2.66	2.23	1980	12	6.21	1980	.98	1976	11.8	6.5	1.9	.7	1.21	1.49	1.90	2.23	2.54	2.86	3.20	3.60	4.11	4.88	5.59
Sep	2.99	2.72	2.37	1959	30	5.61	1979	.18	1985	11.6	6.2	1.9	.6	.83	1.11	1.54	1.92	2.28	2.67	3.09	3.60	4.25	5.27	6.23
Oct	2.51	2.35	2.25	1974	16	6.54	1976	.00	2000	11.0	5.0	2.0	.3	.53	.88	1.30	1.64	1.96	2.28	2.64	3.06	3.61	4.45	5.24
Nov	2.81	2.72	2.70	1985	3	9.85	1985	.82	1974	12.6	6.1	1.7	.4	.66	.93	1.34	1.70	2.07	2.45	2.88	3.40	4.07	5.15	6.15
Dec	2.67	2.66	1.92	1996	2	5.16	1991	.66	2000	14.2	6.5	1.8	.3	.87	1.13	1.50	1.82	2.12	2.44	2.78	3.19	3.70	4.51	5.25
Ann	37.21	36.09	3.50	Jun 1949	17	9.85	Nov 1985	.00	Oct 2000	162.4	83.6	24.5	6.2	26.62	28.68	31.30	33.30	35.07	36.78	38.54	40.49	42.85	46.28	49.24

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: ATHENS, WV **COOP ID: 460355**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,565 Feet** **Lat: 37°25N** **Lon: 81°01W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.5	6.6	1	1	22.0	1998	28	28.0	1998	25	1998	29	5+	1998	5.6	3.0	.7	.1	@	9.1	3.9	2.7	.0
Feb	7.4	8.0	1	1	7.5	1987	27	15.0	1971	15	1983	12	4	1998	5.1	2.8	.7	.3	.0	5.2	2.2	1.0	.0
Mar	3.2	2.2	#	#	13.0	1999	13	13.0	1999	13	1999	13	1+	1999	2.6	1.3	.3	.1	@	1.1	.4	.2	.0
Apr	1.0	.0	#	0	5.1	1971	7	8.6	1971	4	1971	7	#+	2000	.8	.3	.1	@	.0	.4	.1	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	0	0	1.5	1979	10	1.5	1979	0	0	0	0	0	.1	.1	.0	.0	.0	.0	.0	.0	.0
Nov	1.3	.5	#	0	6.0	1976	12	11.1	1976	5	1976	12	1	1976	1.0	.5	.1	@	.0	.5	.1	@	.0
Dec	4.3	2.0	#	#	17.0	1974	1	21.0	1974	17	1974	1	6	1974	2.7	1.4	.2	.2	@	1.6	.4	.2	.0
Ann	25.8	19.3	N/A	N/A	22.0	Jan 1998	28	28.0	Jan 1998	25	Jan 1998	29	6	Dec 1974	17.9	9.4	2.1	.7	@	17.9	7.1	4.1	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: ATHENS, WV **COOP ID: 460355**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,565 Feet** **Lat: 37˚25N** **Lon: 81˚01W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/26	5/22	5/18	5/15	5/11	5/07	5/01
32	5/21	5/16	5/12	5/08	5/05	5/02	4/28	4/24	4/19
28	5/14	5/07	5/03	4/29	4/26	4/22	4/18	4/14	4/08
24	4/26	4/20	4/15	4/12	4/08	4/05	4/01	3/28	3/22
20	4/14	4/07	4/03	3/30	3/27	3/23	3/19	3/15	3/08
16	4/01	3/26	3/21	3/17	3/13	3/10	3/06	3/01	2/22

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/14	9/19	9/22	9/25	9/28	9/30	10/03	10/06	10/11
32	9/20	9/25	9/29	10/02	10/05	10/08	10/11	10/14	10/20
28	9/29	10/04	10/07	10/10	10/13	10/15	10/18	10/22	10/26
24	10/12	10/17	10/21	10/25	10/28	10/31	11/03	11/07	11/13
20	10/20	10/27	10/31	11/05	11/08	11/12	11/16	11/21	11/28
16	11/05	11/12	11/16	11/20	11/24	11/28	12/02	12/07	12/13

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	152	145	140	135	131	127	123	118	111
32	176	167	162	156	152	147	142	136	128
28	194	185	179	174	169	165	159	153	145
24	225	217	211	206	202	197	192	186	178
20	252	243	237	231	226	221	215	209	200
16	281	272	266	260	255	250	244	238	229

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ATHENS, WV **COOP ID: 460355**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,565 Feet** **Lat: 37˚25N** **Lon: 81˚01W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1087	898	754	453	214	44	8	18	116	417	681	955	5645
60	932	758	599	309	112	8	0	1	42	279	532	800	4372
57	839	674	508	231	68	2	0	0	19	207	445	707	3700
55	777	618	449	184	45	1	0	0	10	166	390	645	3285
50	636	485	310	90	13	0	0	0	2	86	260	503	2385
32	213	113	28	0	0	0	0	0	0	0	17	117	488

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	149	139	297	538	835	1027	1181	1134	909	611	326	184	7330
55	0	0	6	31	167	338	468	421	228	64	9	0	1732
57	0	0	2	19	127	279	406	359	177	43	4	0	1416
60	0	0	0	7	79	195	313	267	110	22	1	0	994
65	0	0	0	1	26	81	166	129	34	5	0	0	442
70	0	0	0	0	5	18	60	39	5	0	0	0	127

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	46	73	193	383	635	825	959	919	711	422	191	82	46	119	312	695	1330	2155	3114	4033	4744	5166	5357	5439
45	22	35	108	256	480	675	804	764	561	285	106	38	22	57	165	421	901	1576	2380	3144	3705	3990	4096	4134
50	2	12	53	152	330	526	649	609	412	165	51	18	2	14	67	219	549	1075	1724	2333	2745	2910	2961	2979
55	0	0	19	77	204	377	494	454	272	79	14	1	0	0	19	96	300	677	1171	1625	1897	1976	1990	1991
60	0	0	4	29	100	235	340	302	150	26	1	0	0	0	4	33	133	368	708	1010	1160	1186	1187	1187
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	31	54	136	249	399	537	647	608	451	271	124	48	31	85	221	470	869	1406	2053	2661	3112	3383	3507	3555

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Climatography of the United States No. 20 1971-2000

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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BARTOW 1 S, WV **COOP ID: 460509**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 3,025 Feet** **Lat: 38˚33N** **Lon: 79˚47W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.3	16.7	25.5	69	1949	25	35.8	1974	-30+	1994	19	12.6	1977	1226	0	.0	.0	3.8	11.2	29.1	4.2
Feb	38.4	17.1	27.8	70	1976	29	35.6	1976	-23	1977	7	14.6	1978	1043	0	.0	.0	6.3	7.6	25.8	3.0
Mar	47.1	24.9	36.0	80	1998	31	43.1	1973	-11	1984	10	28.9	1981	899	0	.0	.0	15.6	2.9	24.8	.6
Apr	58.4	34.3	46.4	85+	1976	18	51.1	1985	11	1982	6	41.1	1997	560	0	.0	.0	23.6	.5	15.3	.0
May	67.6	43.3	55.5	91	1996	21	62.5	1991	20+	1980	9	50.6	1994	309	13	.0	.1	30.1	.0	4.9	.0
Jun	74.5	51.9	63.2	87+	1980	29	66.6	1994	28	1977	8	59.0	1972	98	45	.0	@	30.0	.0	.3	.0
Jul	78.1	56.1	67.1	92	1993	29	71.1	1993	35	1979	7	63.6	2000	33	97	.0	.4	31.0	.0	.0	.0
Aug	76.8	54.2	65.5	93	1948	27	69.7	1995	32+	1981	21	61.9	1976	55	70	.0	.2	31.0	.0	.1	.0
Sep	70.6	47.6	59.1	88+	1993	1	62.3	1998	18+	1983	24	55.9	1974	183	7	.0	.1	29.9	.0	2.1	.0
Oct	60.6	35.8	48.2	82+	1949	10	55.4	1984	11	1979	27	41.5	1988	521	0	.0	.0	27.7	.0	16.0	.0
Nov	48.1	27.9	38.0	74+	1948	1	45.6	1985	3+	1976	9	30.1	1976	810	0	.0	.0	16.5	2.2	22.2	@
Dec	38.5	20.4	29.5	72	1982	5	37.4	1984	-20	1983	25	18.3	1989	1102	0	.0	.0	6.6	7.2	27.7	1.9
Ann	57.8	35.9	46.8	93	Aug 1948	27	71.1	Jul 1993	-30+	Jan 1994	19	12.6	Jan 1977	6839	232	.0	.8	252.1	31.6	168.3	9.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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Climatography of the United States No. 20 1971-2000

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Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BARTOW 1 S, WV

COOP ID: 460509

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 3,025 Feet** **Lat: 38˚33N** **Lon: 79˚47W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.69	3.58	2.30	1996	19	7.50	1996	.74	1981	14.7	8.5	2.4	.8	1.23	1.58	2.10	2.53	2.95	3.38	3.85	4.40	5.10	6.20	7.21
Feb	3.23	3.10	2.42	1994	9	6.70	1989	.85	1978	14.1	7.7	1.8	.4	1.27	1.56	1.99	2.34	2.68	3.02	3.38	3.81	4.35	5.17	5.93
Mar	4.22	4.06	2.10	1982	20	7.82	1994	1.87	1995	15.6	9.5	2.5	.7	1.96	2.33	2.83	3.25	3.63	4.01	4.42	4.89	5.48	6.37	7.17
Apr	3.44	3.30	1.95	1977	5	5.78	1972	.69	1976	15.0	8.9	1.9	.4	1.39	1.71	2.16	2.52	2.87	3.22	3.60	4.04	4.60	5.45	6.22
May	4.87	4.80	3.81	1996	17	11.54	1996	1.50	1977	14.8	9.5	3.0	.9	2.13	2.57	3.18	3.67	4.14	4.60	5.10	5.68	6.41	7.51	8.51
Jun	3.69	3.21	2.52	1981	20	7.73	1981	1.33	1988	13.2	8.1	2.2	.4	1.48	1.82	2.30	2.69	3.07	3.45	3.86	4.34	4.94	5.86	6.70
Jul	4.24	4.23	2.65	1978	28	8.42	1996	1.50	1997	15.0	9.1	2.7	.5	1.76	2.15	2.69	3.14	3.56	3.99	4.44	4.97	5.64	6.66	7.59
Aug	3.30	3.30	1.72	1978	7	5.66	1996	1.33	1976	11.9	8.1	1.9	.6	1.62	1.90	2.29	2.59	2.88	3.16	3.46	3.81	4.23	4.88	5.46
Sep	3.31	3.31	2.34	1996	7	8.06	1975	.31	1985	12.0	6.2	2.2	.7	.83	1.14	1.62	2.05	2.47	2.92	3.41	4.00	4.77	5.99	7.13
Oct	2.93	2.55	3.60	1976	9	11.22	1976	.32	2000	10.1	5.7	1.7	.6	.62	.89	1.32	1.71	2.10	2.52	3.00	3.56	4.31	5.51	6.64
Nov	3.99	3.91	1.72	1982	29	12.27	1985	1.29	1981	13.2	7.9	2.1	.7	1.51	1.88	2.42	2.86	3.28	3.71	4.17	4.71	5.40	6.45	7.41
Dec	3.23	2.84	1.87+	1948	15	6.86	1978	1.46	1980	14.8	7.9	1.7	.4	1.34	1.63	2.05	2.39	2.71	3.04	3.39	3.79	4.30	5.08	5.79
Ann	44.14	42.85	3.81	May 1996	17	12.27	Nov 1985	.31	Sep 1985	164.4	97.1	26.1	7.1	34.00	36.03	38.58	40.50	42.19	43.81	45.47	47.29	49.49	52.64	55.34

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States No. 20 1971-2000

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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BARTOW 1 S, WV **COOP ID: 460509**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 3,025 Feet** **Lat: 38°33N** **Lon: 79°47W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	17.6	16.0	3	2	11.0	1994	18	34.5	1996	25	1996	12	11	1996	9.7	4.9	1.7	.8	.2	16.5	8.5	3.1	1.4
Feb	12.3	10.2	3	3	7.0	1995	4	23.3	1996	12+	2000	2	6	1998	6.9	4.1	1.3	.5	.0	16.9	10.1	4.4	.6
Mar	13.2	9.2	2	1	11.0	1993	14	35.7	1999	24	1993	14	8	1993	6.7	4.1	1.5	.8	.2	10.7	5.5	3.0	1.1
Apr	1.6	.7	#	#	3.0	1997	18	8.2	1996	3	1997	18	#+	2000	1.6	.7	.1	.0	.0	.9	.1	.0	.0
May	.1	.0	#	0	.4	1997	16	1.0	1997	#+	1997	16	#+	1997	.2	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.4	.0	#	#	2.0	1993	31	2.0	1993	3	1979	10	#+	2000	.4	.2	.0	.0	.0	.2	.0	.0	.0
Nov	3.7	2.5	#	#	6.0	1976	12	11.1	1997	8	1995	17	2	1995	3.3	2.0	.6	.1	.0	3.9	1.4	.6	.0
Dec	10.9	8.8	2	1	16.5	1997	30	33.5	1993	22	1997	31	4	1993	7.4	3.8	1.2	.6	.1	12.9	5.4	2.0	.5
Ann	59.8	47.4	N/A	N/A	16.5	Dec 1997	30	35.7	Mar 1999	25	Jan 1996	12	11	Jan 1996	36.2	19.8	6.4	2.8	.5	62.0	31.0	13.1	3.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Station: BARTOW 1 S, WV **COOP ID: 460509**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 3,025 Feet** **Lat: 38˚33N** **Lon: 79˚47W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/19	6/12	6/07	6/03	5/30	5/26	5/21	5/16	5/09
32	6/05	5/30	5/26	5/22	5/19	5/15	5/12	5/07	5/01
28	5/28	5/22	5/17	5/13	5/10	5/06	5/02	4/28	4/22
24	5/12	5/05	4/30	4/26	4/22	4/19	4/14	4/10	4/03
20	4/28	4/21	4/17	4/12	4/08	4/05	3/31	3/26	3/20
16	4/14	4/08	4/05	4/01	3/29	3/26	3/23	3/19	3/14

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/28	9/03	9/07	9/11	9/14	9/17	9/21	9/25	9/30
32	9/09	9/15	9/19	9/22	9/26	9/29	10/02	10/06	10/12
28	9/22	9/27	9/30	10/03	10/06	10/08	10/11	10/15	10/19
24	9/29	10/04	10/08	10/11	10/14	10/17	10/21	10/25	10/30
20	10/06	10/13	10/18	10/22	10/26	10/30	11/04	11/09	11/16
16	10/21	10/27	11/01	11/04	11/08	11/12	11/16	11/20	11/27

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	134	125	118	112	107	101	95	88	79
32	152	144	139	134	129	124	119	114	105
28	172	164	158	153	148	143	138	132	124
24	205	194	187	180	174	168	162	154	144
20	232	221	213	206	200	194	187	179	168
16	244	237	232	227	223	219	214	209	202

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: BARTOW 1 S, WV **COOP ID: 460509**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 3,025 Feet** **Lat: 38˚33N** **Lon: 79˚47W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1226	1043	899	560	309	98	33	55	183	521	810	1102	6839
60	1071	903	744	411	186	32	4	9	75	373	660	947	5415
57	978	819	651	324	128	13	0	1	37	291	570	854	4666
55	916	763	590	269	95	6	0	0	21	240	512	792	4204
50	761	623	446	149	37	1	0	0	3	137	372	640	3169
32	284	200	83	1	0	0	0	0	0	3	47	194	812

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	81	81	208	431	727	936	1087	1038	814	505	227	115	6250
55	0	0	1	9	109	253	374	325	145	30	2	0	1248
57	0	0	0	4	80	199	312	264	101	18	0	0	978
60	0	0	0	1	45	128	223	179	49	7	0	0	632
65	0	0	0	0	13	45	97	70	7	0	0	0	232
70	0	0	0	0	2	8	24	14	0	0	0	0	48

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	15	22	93	235	477	694	833	795	583	267	104	27	15	37	130	365	842	1536	2369	3164	3747	4014	4118	4145
45	3	5	41	138	330	544	678	640	435	152	50	6	3	8	49	187	517	1061	1739	2379	2814	2966	3016	3022
50	0	0	14	66	206	398	523	485	297	70	15	2	0	0	14	80	286	684	1207	1692	1989	2059	2074	2076
55	0	0	3	25	108	255	369	331	176	23	1	0	0	0	3	28	136	391	760	1091	1267	1290	1291	1291
60	0	0	0	3	39	136	219	183	79	3	0	0	0	0	0	3	42	178	397	580	659	662	662	662
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	10	23	84	179	304	440	532	501	372	211	84	20	10	33	117	296	600	1040	1572	2073	2445	2656	2740	2760

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BAYARD, WV **COOP ID: 460527**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,375 Feet** **Lat: 39˚16N** **Lon: 79˚22W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.3	14.9	25.1	72	1950	25	35.1	1974	-27	1968	2	11.3	1977	1236	0	.0	.0	3.9	11.9	28.8	3.4
Feb	38.5	16.1	27.3	79	1932	11	35.6	1990	-25	1934	28	14.8	1978	1055	0	.0	.0	5.9	8.8	25.3	2.0
Mar	48.1	23.5	35.8	84	1950	28	42.4	1973	-17	1960	11	28.5	1999	905	0	.0	.0	14.6	3.6	23.9	.5
Apr	58.8	30.9	44.9	88+	1930	13	49.1	1994	3	1985	10	40.2	1997	604	0	.0	.0	23.9	.3	14.6	.0
May	68.6	41.0	54.8	92	1949	7	62.6	1991	17+	1943	2	49.4	1994	325	8	.0	.0	30.4	.0	4.4	.0
Jun	76.1	49.2	62.7	93	1952	15	65.8	1971	27+	1930	1	58.9	1972	103	33	.0	@	30.0	.0	.2	.0
Jul	79.8	54.4	67.1	95+	1926	22	70.7	1991	32	1929	21	63.1	2000	37	102	.0	.6	31.0	.0	.0	.0
Aug	78.2	52.4	65.3	95+	1926	11	69.8	1988	28	1968	28	62.0	1976	65	74	.0	.6	31.0	.0	@	.0
Sep	71.2	46.0	58.6	95	1932	2	62.3	1971	15	1942	29	55.3	1984	201	8	.0	.1	29.8	.0	1.3	.0
Oct	61.6	34.3	48.0	92	1951	5	55.5	1984	8	1930	22	42.6	1988	529	0	.0	.0	26.8	.0	11.8	.0
Nov	49.6	26.0	37.8	78	1929	1	45.5	1985	-14	1930	29	29.7	1976	816	0	.0	.0	15.0	2.6	19.6	.1
Dec	39.9	19.2	29.6	74	1951	7	38.3	1984	-20	1989	24	18.0	1989	1098	0	.0	.0	6.5	8.4	26.6	1.4
Ann	58.8	34.0	46.4	95+	Sep 1932	2	70.7	Jul 1991	-27	Jan 1968	2	11.3	Jan 1977	6974	225	.0	1.3	248.8	35.6	156.5	7.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1926-2001

(3) Derived from 1971-2000 serially complete daily data

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Station: BAYARD, WV **COOP ID: 460527**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,375 Feet** **Lat: 39°16N** **Lon: 79°22W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.83	3.85	1.96	1996	8	8.48	1996	1.24	1984	19.4	10.0	1.9	.4	1.43	1.78	2.30	2.73	3.14	3.55	4.01	4.53	5.20	6.23	7.17
Feb	3.53	3.43	4.15	1994	9	8.53	1994	1.26	1978	15.8	8.6	1.9	.4	1.37	1.69	2.16	2.55	2.92	3.29	3.70	4.17	4.77	5.68	6.52
Mar	4.19	3.76	2.50	1963	5	8.23	1994	1.17	1990	16.4	10.3	2.4	.8	1.64	2.03	2.58	3.04	3.47	3.91	4.39	4.94	5.64	6.71	7.69
Apr	4.12	3.91	2.67	1928	28	7.35	1973	1.84	1971	15.0	9.9	2.5	.6	1.86	2.23	2.73	3.14	3.52	3.91	4.32	4.79	5.38	6.27	7.08
May	4.97	4.73	3.17	1968	24	11.26	1996	1.59	1993	15.3	10.3	3.2	1.0	2.01	2.47	3.11	3.64	4.15	4.66	5.21	5.84	6.64	7.87	8.99
Jun	4.67	4.45	2.91	1985	1	10.95	1981	.80	1999	13.8	9.4	3.4	.9	1.67	2.11	2.75	3.28	3.79	4.31	4.88	5.54	6.39	7.69	8.89
Jul	5.24	4.38	4.04	1954	15	11.03	1996	1.92	1987	13.1	9.3	3.6	1.5	1.83	2.33	3.05	3.65	4.23	4.83	5.47	6.23	7.20	8.69	10.07
Aug	4.45	3.94	3.53	1996	9	10.62	1980	1.79	1991	12.4	7.8	3.0	1.0	1.81	2.22	2.80	3.27	3.72	4.17	4.66	5.23	5.94	7.04	8.03
Sep	3.69	3.60	4.35	1996	7	9.23	1996	.27	1985	11.6	7.8	2.4	.7	1.01	1.36	1.89	2.35	2.81	3.29	3.82	4.44	5.26	6.54	7.73
Oct	3.21	3.13	4.25	1954	15	8.39	1976	.74	1994	11.9	7.4	1.9	.5	.92	1.23	1.69	2.09	2.48	2.88	3.33	3.86	4.54	5.62	6.62
Nov	3.72	3.49	4.55	1985	5	11.20	1985	.97	1998	15.0	8.5	2.2	.6	1.22	1.57	2.09	2.53	2.96	3.40	3.88	4.44	5.16	6.29	7.32
Dec	3.70	3.30	2.40	1972	9	7.67	1972	1.68+	1998	17.2	9.5	1.8	.6	1.53	1.87	2.34	2.74	3.10	3.48	3.88	4.35	4.93	5.83	6.64
Ann	49.32	48.19	4.55	Nov 1985	5	11.26	May 1996	.27	Sep 1985	176.9	108.8	30.2	9.0	37.32	39.70	42.72	44.98	46.99	48.91	50.88	53.05	55.67	59.44	62.68

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: BAYARD, WV **COOP ID: 460527**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,375 Feet** **Lat: 39°16N** **Lon: 79°22W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	25.9	22.8	5	4	31.0	1996	8	57.0	1978	38	1996	8	15	1977	11.2	8.7	3.2	1.5	.2	21.3	16.4	12.1	4.5
Feb	21.0	20.0	7	4	17.0	1983	12	43.5	1979	33	1972	20	19	1978	8.1	6.2	3.0	1.4	.2	19.5	16.2	12.9	6.6
Mar	17.5	12.5	3	2	15.1	1999	4	53.7	1999	34	1993	14	13	1993	6.3	5.2	2.1	1.0	.2	12.0	8.6	6.1	2.5
Apr	4.8	2.0	#	#	10.0	1971	7	19.0	1987	11	1987	6	2	1987	1.9	1.6	.5	.2	@	2.2	.9	.5	.1
May	#	.0	#	0	#	1996	13	#	1996	#	1996	13	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	#	#	0	2.0	1979	10	3.0	1992	2	1979	10	#+	2000	.3	.2	.0	.0	.0	.2	.0	.0	.0
Nov	6.2	4.5	1	#	16.0	1995	15	24.0	1976	22	1995	16	6	1995	3.4	2.7	1.0	.3	.1	5.8	3.0	1.1	.3
Dec	15.8	12.0	3	1	17.0	1974	2	45.0	1992	22	1974	3	12	1974	7.6	6.1	2.3	.8	.1	14.1	8.8	5.6	1.7
Ann	91.5	73.8	N/A	N/A	31.0	Jan 1996	8	57.0	Jan 1978	38	Jan 1996	8	19	Feb 1978	38.8	30.7	12.1	5.2	.8	75.1	53.9	38.3	15.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,375 Feet** **Lat: 39˚16N** **Lon: 79˚22W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/19	6/13	6/09	6/05	6/02	5/30	5/26	5/22	5/16
32	6/06	5/31	5/26	5/23	5/20	5/16	5/13	5/08	5/03
28	5/19	5/14	5/11	5/08	5/05	5/02	4/30	4/26	4/22
24	5/03	4/28	4/24	4/21	4/19	4/16	4/13	4/09	4/04
20	4/14	4/10	4/08	4/05	4/03	3/31	3/29	3/26	3/22
16	4/10	4/06	4/03	3/31	3/29	3/26	3/23	3/20	3/16

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/01	9/05	9/08	9/11	9/14	9/16	9/19	9/22	9/27
32	9/13	9/17	9/20	9/23	9/26	9/28	10/01	10/04	10/09
28	9/27	10/01	10/05	10/07	10/10	10/13	10/15	10/19	10/23
24	10/06	10/12	10/16	10/20	10/23	10/27	10/30	11/04	11/09
20	10/20	10/25	10/29	11/01	11/04	11/07	11/10	11/14	11/19
16	10/30	11/05	11/10	11/14	11/18	11/21	11/25	11/30	12/06

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	123	116	111	107	103	99	95	90	83
32	145	139	135	132	128	125	122	118	112
28	175	169	165	161	157	154	150	145	139
24	211	202	197	192	187	182	177	171	163
20	235	228	223	219	215	210	206	201	194
16	259	250	244	238	233	228	223	217	208

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,375 Feet** **Lat: 39˚16N** **Lon: 79˚22W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1236	1055	905	604	325	103	37	65	201	529	816	1098	6974
60	1081	915	750	455	196	32	6	13	90	380	666	943	5527
57	988	831	657	366	134	12	0	4	47	297	576	850	4762
55	926	775	595	308	99	5	0	1	28	246	517	788	4288
50	772	635	449	179	38	0	0	0	5	140	377	641	3236
32	297	202	77	2	0	0	0	0	0	3	47	199	827

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	84	72	194	388	706	920	1089	1032	797	497	222	124	6125
55	0	0	0	4	92	236	376	320	135	27	1	0	1191
57	0	0	0	2	65	182	314	261	94	16	0	0	934
60	0	0	0	0	34	112	226	177	47	6	0	0	602
65	0	0	0	0	8	33	102	74	8	0	0	0	225
70	0	0	0	0	0	4	29	18	0	0	0	0	51

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	18	24	95	248	507	723	866	811	587	293	111	38	18	42	137	385	892	1615	2481	3292	3879	4172	4283	4321
45	3	6	49	145	355	573	711	656	439	170	52	14	3	9	58	203	558	1131	1842	2498	2937	3107	3159	3173
50	0	0	19	78	225	423	556	501	293	87	19	0	0	0	19	97	322	745	1301	1802	2095	2182	2201	2201
55	0	0	4	31	122	278	401	349	174	32	4	0	0	0	4	35	157	435	836	1185	1359	1391	1395	1395
60	0	0	0	8	47	150	250	203	80	6	0	0	0	0	0	8	55	205	455	658	738	744	744	744
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	9	21	75	177	317	458	565	520	355	193	73	26	9	30	105	282	599	1057	1622	2142	2497	2690	2763	2789

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: BECKLEY VA HOSPITAL, WV **COOP ID: 460580**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,330 Feet** **Lat: 37˚46N** **Lon: 81˚12W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.9	18.1	28.5	74	1950	25	41.0	1974	-23+	1985	21	13.5	1977	1132	0	.0	.0	7.4	9.0	26.0	2.8
Feb	43.3	19.6	31.5	75	1977	26	39.8	1990	-22	1996	5	20.0	1978	940	0	.0	.0	10.3	5.9	23.4	1.4
Mar	52.3	26.7	39.5	82+	1954	25	45.6	1973	-10	1980	3	33.4	1999	791	0	.0	.0	19.4	2.0	20.1	.2
Apr	62.3	34.9	48.6	88+	1976	18	53.7	1981	9	1985	10	43.5	1997	492	0	.0	.0	26.2	.1	10.9	.0
May	70.3	45.1	57.7	89	1974	14	64.1	1991	22+	1963	2	52.1	1997	246	19	.0	.0	30.8	.0	2.6	.0
Jun	75.2	53.5	64.4	93+	1952	16	67.5	1994	29+	1966	2	59.1	1972	78	58	.0	@	30.0	.0	.1	.0
Jul	78.2	58.0	68.1	94	1954	14	71.9	1993	37+	1963	10	65.2	1979	25	121	.0	.6	31.0	.0	.0	.0
Aug	77.2	56.3	66.8	96	1988	17	70.7	1995	34	1965	29	62.6	1976	44	99	.0	.5	31.0	.0	.0	.0
Sep	71.3	49.8	60.6	97	1953	2	64.4	1998	25+	1951	29	57.0	1974	152	18	.0	@	29.9	.0	.6	.0
Oct	62.2	37.6	49.9	86	1959	4	57.0	1984	9	1962	27	42.8	1988	473	4	.0	.0	28.4	.0	8.7	.0
Nov	52.5	29.0	40.8	80	1971	1	48.0	1985	1	1950	25	30.8	1976	728	0	.0	.0	18.8	1.3	18.0	.0
Dec	43.1	22.3	32.7	75	1982	4	42.4	1971	-22	1989	23	20.4	1989	1003	0	.0	.0	10.6	5.9	24.5	1.2
Ann	60.6	37.6	49.1	97	Sep 1953	2	71.9	Jul 1993	-23+	Jan 1985	21	13.5	Jan 1977	6104	319	.0	1.1	273.8	24.2	134.9	5.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Issue Date: February 2004

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Station: BECKLEY VA HOSPITAL, WV

COOP ID: 460580

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,330 Feet** **Lat: 37°46N** **Lon: 81°12W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.14	3.00	1.97	1998	28	6.59	1979	.68	1983	14.7	7.8	1.8	.4	1.03	1.33	1.77	2.14	2.50	2.87	3.28	3.75	4.36	5.31	6.18
Feb	2.68	2.39	1.76	1972	26	5.69	1972	.82	1988	13.0	7.1	1.4	.3	1.14	1.38	1.72	2.00	2.26	2.53	2.81	3.14	3.55	4.19	4.76
Mar	3.17	2.47	2.99	1963	12	7.94	1975	.94	1984	12.9	8.1	2.1	.3	1.08	1.38	1.81	2.18	2.54	2.90	3.30	3.77	4.37	5.29	6.15
Apr	3.37	3.12	2.64	1977	5	7.58	1987	.79	1976	12.3	7.9	2.1	.6	1.32	1.64	2.08	2.45	2.80	3.15	3.53	3.97	4.54	5.40	6.18
May	4.17	4.28	2.00	1985	23	9.12	1985	1.25	1977	12.7	9.0	2.6	.7	1.52	1.91	2.48	2.95	3.40	3.86	4.36	4.94	5.69	6.83	7.88
Jun	3.47	3.43	3.40	1949	17	7.92	1979	1.58	1999	11.5	7.7	2.1	.6	1.47	1.79	2.23	2.59	2.92	3.27	3.64	4.06	4.59	5.41	6.15
Jul	4.53	4.35	5.31	2001	27	9.99	1982	1.22	1995	11.4	8.2	2.9	1.1	1.83	2.24	2.83	3.32	3.78	4.24	4.74	5.32	6.06	7.18	8.20
Aug	3.52	3.42	2.73	1954	6	6.42	1996	1.36	1988	9.8	6.7	2.2	.9	1.52	1.83	2.28	2.64	2.98	3.32	3.69	4.11	4.64	5.45	6.18
Sep	3.20	2.88	4.57	1964	29	6.85	1976	.37	1985	9.0	6.0	2.1	.7	.84	1.14	1.60	2.01	2.41	2.83	3.30	3.86	4.59	5.73	6.80
Oct	2.52	2.45	3.37	1954	16	6.86	1976	.40	2000	8.5	5.5	1.3	.3	.54	.77	1.14	1.48	1.82	2.18	2.58	3.07	3.71	4.73	5.69
Nov	2.84	2.63	2.17	1999	26	7.14	1985	.84	1981	10.5	6.7	1.7	.4	1.09	1.36	1.73	2.05	2.34	2.64	2.97	3.35	3.83	4.56	5.24
Dec	2.91	2.69	2.21	1948	15	6.46	1991	.94	1995	13.2	7.1	1.8	.3	1.06	1.33	1.72	2.05	2.37	2.69	3.04	3.44	3.96	4.76	5.50
Ann	39.52	38.62	5.31	Jul 2001	27	9.99	Jul 1982	.37	Sep 1985	139.5	87.8	24.1	6.6	30.52	32.32	34.59	36.29	37.79	39.23	40.70	42.31	44.26	47.05	49.44

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Climatography of the United States No. 20 1971-2000

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www.ncdc.noaa.gov

Station: BECKLEY VA HOSPITAL, WV **COOP ID: 460580**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,330 Feet** **Lat: 37°46N** **Lon: 81°12W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.3	13.7	2	1	28.0	1998	28	34.7	1998	28	1998	28	10	1977	5.9	4.1	1.1	.2	@	6.3	2.2	1.2	.0
Feb	10.3	12.0	2	1	13.5	1983	11	17.0	1971	20	1998	7	7	1979	4.1	3.1	1.1	.3	@	4.7	2.4	1.0	.1
Mar	4.9	3.2	#	#	26.0	1993	13	26.0	1993	26	1993	13	4	1993	2.8	1.9	.5	.2	.1	2.7	1.0	.6	.2
Apr	.9	.0	#	#	6.2	1971	7	6.2	1971	17	1987	5	2	1987	.4	.3	.1	@	.0	.3	@	@	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1992	20	#+	1992	4	1993	31	#+	1993	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.6	.9	#	#	5.0	1976	12	9.0	1976	5	1976	12	1	1995	1.2	.8	.1	@	.0	1.1	.1	@	.0
Dec	4.9	3.3	1	1	7.5	1997	30	17.0	1989	9	1997	31	3	1989	4.1	2.6	.6	.2	.0	5.1	2.5	.7	.0
Ann	35.9	33.1	N/A	N/A	28.0	Jan 1998	28	34.7	Jan 1998	28	Jan 1998	28	10	Jan 1977	18.5	12.8	3.5	.9	.1	20.2	8.2	3.5	.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,330 Feet** **Lat: 37˚46N** **Lon: 81˚12W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/04	5/30	5/27	5/23	5/19	5/16	5/11	5/05
32	5/31	5/24	5/20	5/16	5/12	5/09	5/05	4/30	4/24
28	5/13	5/09	5/06	5/03	5/01	4/28	4/26	4/23	4/18
24	5/02	4/26	4/22	4/18	4/15	4/11	4/08	4/03	3/28
20	4/17	4/12	4/08	4/05	4/02	3/31	3/28	3/24	3/19
16	4/05	3/29	3/24	3/20	3/17	3/13	3/09	3/04	2/25

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/16	9/20	9/22	9/25	9/27	9/30	10/03	10/08
32	9/19	9/23	9/27	9/29	10/02	10/04	10/07	10/10	10/14
28	10/01	10/05	10/08	10/11	10/13	10/15	10/18	10/21	10/25
24	10/10	10/16	10/20	10/23	10/27	10/30	11/03	11/07	11/12
20	10/18	10/24	10/29	11/02	11/05	11/09	11/13	11/17	11/24
16	11/03	11/10	11/14	11/18	11/22	11/26	11/30	12/04	12/11

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	146	138	133	128	124	120	115	110	102
32	163	156	150	146	142	138	133	128	121
28	184	177	173	168	165	161	156	152	145
24	221	212	205	200	194	189	183	177	168
20	242	233	227	221	216	211	206	199	191
16	280	270	262	256	250	244	237	230	219

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,330 Feet** **Lat: 37˚46N** **Lon: 81˚12W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1132	940	791	492	246	78	25	44	152	473	728	1003	6104
60	977	800	636	344	134	21	3	8	60	332	578	848	4741
57	884	716	543	260	84	7	0	1	30	256	491	755	4027
55	822	660	485	209	58	3	0	0	17	212	434	693	3593
50	680	522	343	103	17	0	0	0	3	121	301	552	2642
32	245	132	37	0	0	0	0	0	0	3	27	154	598

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	136	117	270	499	796	971	1119	1077	857	557	289	175	6863
55	0	0	4	17	141	284	406	364	183	52	6	0	1457
57	0	0	0	8	105	228	344	303	136	35	3	0	1162
60	0	0	0	2	62	151	254	217	77	18	0	0	781
65	0	0	0	0	19	58	121	99	18	4	0	0	319
70	0	0	0	0	4	11	38	28	1	0	0	0	82

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	35	53	164	339	591	769	908	869	653	363	158	62	35	88	252	591	1182	1951	2859	3728	4381	4744	4902	4964
45	12	22	88	217	437	619	753	714	505	234	87	29	12	34	122	339	776	1395	2148	2862	3367	3601	3688	3717
50	1	7	42	127	292	470	598	559	359	128	37	9	1	8	50	177	469	939	1537	2096	2455	2583	2620	2629
55	0	0	10	62	168	324	443	405	222	58	8	0	0	0	10	72	240	564	1007	1412	1634	1692	1700	1700
60	0	0	2	17	72	188	288	252	112	14	0	0	0	0	2	19	91	279	567	819	931	945	945	945
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	27	46	121	237	373	493	597	565	401	227	110	39	27	73	194	431	804	1297	1894	2459	2860	3087	3197	3236

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: BECKLEY AP, WV **COOP ID: 460582**

Climate Division: WV 4 **NWS Call Sign: BKW** **Elevation: 2,504 Feet** **Lat: 37˚48N** **Lon: 81˚07W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.8	22.1	30.4	69	1985	1	41.4	1974	-22	1985	21	16.5	1977	1068	0	.0	.0	6.8	9.7	24.8	2.0
Feb	42.8	24.9	33.9	74	1977	26	42.2	1976	-16	1996	5	21.6	1978	882	0	.0	.0	9.2	6.7	20.9	.8
Mar	51.9	32.4	42.1	81+	1989	28	48.6	1973	-5	1980	3	36.1	1971	714	1	.0	.0	17.8	2.2	16.3	.1
Apr	62.5	40.6	51.5	86	1976	18	56.4	1994	11	1985	10	46.9	1997	414	8	.0	.0	25.5	.2	6.9	.0
May	70.6	49.2	59.9	89+	1996	19	66.4	1991	23	1966	10	54.2	1997	199	29	.0	.0	30.6	.0	.8	.0
Jun	77.0	57.0	67.0	90	1964	23	70.2	1984	32	1972	11	61.8	1972	48	99	.0	.0	30.0	.0	@	.0
Jul	80.2	61.1	70.7	94+	1988	8	74.1	1993	41+	1963	10	67.5	2000	10	183	.0	.6	31.0	.0	.0	.0
Aug	78.9	59.8	69.3	96	1988	17	73.7	1988	36+	1965	29	66.3	1976	16	149	.0	.4	31.0	.0	.0	.0
Sep	72.6	53.5	63.1	92	1998	14	67.0	1998	30	1983	24	59.6	1974	115	56	.0	@	29.9	.0	.1	.0
Oct	63.1	42.4	52.8	81+	1969	2	61.4	1984	18+	1965	29	46.4	1988	388	4	.0	.0	27.9	@	4.8	.0
Nov	52.4	34.4	43.4	78	1993	14	52.4	1985	4	1970	25	34.5	1976	647	0	.0	.0	18.1	1.7	14.2	.0
Dec	43.1	26.5	34.8	73+	1971	10	45.2	1984	-18	1989	23	22.4	1989	926	0	.0	.0	10.1	6.1	21.9	.7
Ann	61.2	42.0	51.6	96	Aug 1988	17	74.1	Jul 1993	-22	Jan 1985	21	16.5	Jan 1977	5427	529	.0	1.0	267.9	26.6	110.7	3.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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COOP ID: 460582

Climate Division: WV 4 **NWS Call Sign: BKW** **Elevation: 2,504 Feet** **Lat: 37˚48N** **Lon: 81˚07W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.23	3.03	2.10	1995	6	6.36	1974	.53	1983	16.5	8.0	1.9	.3	.89	1.20	1.66	2.07	2.47	2.89	3.35	3.90	4.61	5.72	6.76
Feb	2.96	2.73	2.11	1994	9	6.01	1972	.98	1978	14.5	7.6	1.6	.4	1.28	1.55	1.92	2.22	2.51	2.80	3.11	3.46	3.91	4.59	5.20
Mar	3.63	3.12	1.97	1967	6	9.18	1975	1.79	1981	15.5	8.9	2.3	.4	1.29	1.63	2.12	2.54	2.94	3.34	3.79	4.31	4.97	5.99	6.93
Apr	3.43	3.34	3.59	1977	4	7.63	1987	.28	1976	14.4	7.8	2.0	.4	1.09	1.42	1.90	2.31	2.71	3.12	3.57	4.09	4.77	5.83	6.81
May	4.39	4.40	2.06	1993	11	7.58	1998	1.03	1977	14.4	9.5	3.1	.9	1.82	2.22	2.78	3.25	3.68	4.13	4.60	5.15	5.85	6.91	7.87
Jun	3.92	3.84	2.47	1983	20	7.00+	1998	1.26	1999	13.0	8.3	2.8	.6	1.60	1.96	2.47	2.89	3.28	3.68	4.11	4.61	5.24	6.20	7.07
Jul	4.78	4.31	3.48	2001	26	9.61	1982	1.65	1993	13.0	8.6	3.4	1.3	1.98	2.42	3.03	3.54	4.01	4.49	5.01	5.61	6.36	7.52	8.56
Aug	3.45	3.50	2.55	1980	18	5.93	1977	1.52	1998	11.0	7.0	2.3	.7	1.77	2.06	2.44	2.75	3.04	3.32	3.62	3.96	4.39	5.02	5.59
Sep	3.23	2.91	4.35	1964	29	6.65	1996	.54	1985	11.1	6.4	2.0	.7	.95	1.25	1.72	2.11	2.50	2.91	3.35	3.88	4.56	5.63	6.62
Oct	2.64	2.62	3.13	1989	17	5.91	1990	.49	2000	10.2	6.1	1.6	.4	.73	.98	1.36	1.69	2.02	2.36	2.73	3.18	3.75	4.66	5.50
Nov	2.88	2.57	2.50	1985	4	6.33	1985	1.25	1981	12.6	7.1	1.7	.4	1.20	1.46	1.83	2.13	2.42	2.71	3.02	3.38	3.84	4.53	5.16
Dec	3.09	2.73	1.78	1969	30	6.43	1991	1.06	1980	15.2	7.7	1.8	.3	1.20	1.49	1.90	2.24	2.56	2.88	3.23	3.64	4.16	4.96	5.68
Ann	41.63	40.79	4.35	Sep 1964	29	9.61	Jul 1982	.28	Apr 1976	161.4	93.0	26.5	6.8	32.53	34.36	36.67	38.39	39.91	41.36	42.85	44.48	46.44	49.26	51.66

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.9	11.9	2	1	14.0	1998	27	37.3	1996	24	1998	28	11	1977	9.5	4.1	1.4	.3	.1	13.2	7.7	4.7	1.9
Feb	15.2	13.0	2	2	10.0	1996	2	28.4	1998	19	1998	7	6+	1998	9.8	4.3	1.5	.6	.0	11.8	7.2	4.6	.9
Mar	8.5	5.2	1	1	27.7	1993	13	35.5	1993	30	1993	14	5	1993	5.8	2.4	.6	.2	@	4.7	2.0	1.1	.4
Apr	2.7	1.0	#	0	13.1	1987	3	18.6	1987	15+	1987	6	2	1987	2.4	.7	.3	.1	@	.9	.4	.2	.1
May	.1	.0	#	0	1.3	1989	7	1.3	1989	#	1989	7	#	1998	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	6.5	1993	31	6.5	1993	2+	1993	31	#	1993	.4	.2	@	@	.0	.2	.0	.0	.0
Nov	3.6	2.5	#	0	6.0	1974	30	13.1	1974	5+	1995	16	1+	1995	3.7	1.1	.3	@	.0	2.3	.5	.1	.0
Dec	10.2	8.9	1	0	6.9	1973	21	26.5	1993	14	1974	3	4	1989	8.0	3.4	1.0	.2	.0	8.1	3.8	1.5	.2
Ann	54.8	42.5	N/A	N/A	27.7	Mar 1993	13	37.3	Jan 1996	30	Mar 1993	14	11	Jan 1977	39.6	16.2	5.1	1.4	.1	41.2	21.6	12.2	3.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BECKLEY AP, WV **COOP ID: 460582**

Climate Division: WV 4 **NWS Call Sign: BKW** **Elevation: 2,504 Feet** **Lat: 37˚48N** **Lon: 81˚07W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/31	5/25	5/21	5/17	5/14	5/10	5/06	5/02	4/26
32	5/21	5/14	5/10	5/06	5/03	4/29	4/25	4/21	4/14
28	4/28	4/23	4/20	4/17	4/14	4/12	4/09	4/05	4/01
24	4/18	4/13	4/10	4/07	4/04	4/01	3/29	3/26	3/21
20	4/08	4/02	3/29	3/25	3/21	3/18	3/14	3/10	3/04
16	3/31	3/25	3/20	3/15	3/11	3/07	3/03	2/26	2/19

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/18	9/22	9/25	9/28	10/01	10/04	10/06	10/10	10/14
32	9/28	10/02	10/05	10/07	10/10	10/12	10/14	10/17	10/21
28	10/07	10/13	10/17	10/21	10/24	10/28	10/31	11/05	11/11
24	10/20	10/26	10/30	11/03	11/06	11/10	11/14	11/18	11/24
20	10/29	11/04	11/08	11/12	11/15	11/18	11/22	11/26	12/02
16	11/09	11/16	11/21	11/25	11/29	12/03	12/08	12/13	12/20

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	162	155	149	144	140	135	130	125	117
32	181	174	168	164	159	155	150	145	137
28	216	208	202	197	192	187	182	177	168
24	238	230	225	220	215	211	206	201	193
20	265	256	249	243	238	233	227	220	211
16	290	280	273	268	262	257	251	244	234

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: BECKLEY AP, WV **COOP ID: 460582**

Climate Division: WV 4 **NWS Call Sign: BKW** **Elevation: 2,504 Feet** **Lat: 37˚48N** **Lon: 81˚07W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1068	882	714	414	199	48	10	16	115	388	647	926	5427
60	916	732	555	264	103	9	0	1	34	253	501	781	4149
57	823	648	468	189	62	3	0	0	14	186	418	693	3504
55	764	592	411	145	41	1	0	0	7	148	364	636	3109
50	621	461	279	64	12	0	0	0	1	74	242	493	2247
32	204	103	26	0	0	0	0	0	0	0	19	128	480

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	125	165	350	585	856	1042	1193	1155	929	641	361	192	7594
55	1	3	22	77	188	356	480	442	255	73	20	4	1921
57	0	1	14	56	146	299	418	381	206	49	11	2	1583
60	0	0	7	31	92	218	326	289	139	24	4	1	1131
65	0	0	1	8	29	99	183	149	56	4	0	0	529
70	0	0	0	1	3	22	65	43	10	0	0	0	144

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	44	76	181	369	618	814	952	918	702	409	194	79	44	120	301	670	1288	2102	3054	3972	4674	5083	5277	5356
45	20	34	108	245	466	664	797	763	552	272	115	40	20	54	162	407	873	1537	2334	3097	3649	3921	4036	4076
50	2	14	60	151	321	514	642	608	404	159	57	17	2	16	76	227	548	1062	1704	2312	2716	2875	2932	2949
55	0	1	26	83	192	367	487	453	264	77	20	0	0	1	27	110	302	669	1156	1609	1873	1950	1970	1970
60	0	0	6	35	95	225	334	300	149	30	3	0	0	0	6	41	136	361	695	995	1144	1174	1177	1177
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	25	43	108	222	370	521	642	605	428	231	106	37	25	68	176	398	768	1289	1931	2536	2964	3195	3301	3338

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: BELINGTON, WV **COOP ID: 460633**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,800 Feet** **Lat: 39˚02N** **Lon: 79˚55W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.2	18.3	28.3	72	1973	1	39.2	1974	-25	1994	20	13.5	1977	1140	0	.0	.0	6.5	10.1	27.2	3.1
Feb	41.7	19.6	30.7	75+	2000	27	37.8	1976	-21	1996	5	17.1	1978	961	0	.0	.0	8.6	7.4	24.1	2.3
Mar	51.3	26.8	39.1	86	1989	29	48.0	1973	-10+	1978	2	32.6	1999	805	0	.0	.0	17.3	2.5	22.4	.6
Apr	61.5	34.6	48.1	89	1976	19	52.3	1999	12+	1977	7	43.0	1975	509	0	.0	.0	24.6	.2	13.9	.0
May	70.7	44.3	57.5	91	1996	20	64.4	1991	19	1995	8	52.5	1994	259	27	.0	.1	30.5	.0	3.3	.0
Jun	78.1	53.8	66.0	94	1999	9	69.0	1994	30+	1977	8	60.8	1972	57	84	.0	.4	30.0	.0	.1	.0
Jul	81.4	58.7	70.1	99	1988	17	73.2	1987	36	1988	1	66.4	1976	9	166	.0	1.4	31.0	.0	.0	.0
Aug	80.2	57.4	68.8	94+	1965	18	73.0	1988	37	1965	29	64.8	1994	28	145	.0	1.3	31.0	.0	.0	.0
Sep	74.3	50.3	62.3	93+	1964	10	65.9	1978	29+	1974	24	58.6	1994	118	37	.0	.2	30.0	.0	.3	.0
Oct	63.8	37.7	50.8	85	1969	14	59.1	1984	15+	1965	29	43.7	1988	447	6	.0	.0	28.0	.0	10.6	.0
Nov	52.8	29.7	41.3	80	1975	10	52.2	1985	2	1970	25	33.3	1976	713	0	.0	.0	17.9	1.7	19.5	.0
Dec	42.7	22.6	32.7	77	1966	10	41.7	1984	-19+	1989	22	18.5	1989	1003	0	.0	.0	9.6	7.2	25.3	1.4
Ann	61.4	37.8	49.6	99	Jul 1988	17	73.2	Jul 1987	-25	Jan 1994	20	13.5	Jan 1977	6049	465	.0	3.4	265.0	29.1	146.7	7.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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Station: BELINGTON, WV **COOP ID: 460633**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,800 Feet** **Lat: 39°02N** **Lon: 79°55W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.54	3.45	1.66	1971	1	5.84	1979	1.22	1981	15.1	9.9	2.1	.3	1.32	1.65	2.13	2.52	2.90	3.29	3.71	4.19	4.81	5.76	6.63
Feb	3.42	3.36	2.67	2000	19	6.67	1994	1.07	1978	13.0	9.0	1.7	.5	1.31	1.63	2.08	2.46	2.82	3.18	3.58	4.03	4.62	5.51	6.33
Mar	4.19	4.12	2.30	1967	6	8.10	1997	1.40	1987	13.4	10.0	3.1	.6	1.88	2.25	2.77	3.19	3.58	3.98	4.40	4.88	5.49	6.42	7.25
Apr	4.02	3.65	1.94	1980	9	7.13	1973	1.22	1971	12.9	9.6	2.4	.4	1.60	1.98	2.50	2.94	3.34	3.76	4.21	4.73	5.39	6.40	7.32
May	4.83	4.81	3.80	1996	17	14.96	1996	1.40	1987	12.6	10.4	3.2	.8	1.63	2.08	2.75	3.32	3.86	4.42	5.04	5.75	6.67	8.10	9.41
Jun	4.67	4.01	3.82	1964	21	11.65	1981	1.60	1988	11.5	9.2	3.4	1.0	1.53	1.97	2.63	3.18	3.71	4.26	4.87	5.57	6.48	7.89	9.18
Jul	5.18	4.54	3.84	1998	24	13.32	1996	2.40	1987	11.5	9.5	3.8	1.4	2.52	2.96	3.57	4.05	4.51	4.96	5.44	5.98	6.67	7.70	8.62
Aug	4.17	3.92	3.06	1953	8	8.33	1980	1.63	1976	9.8	7.7	3.2	1.1	1.87	2.24	2.75	3.17	3.56	3.96	4.38	4.86	5.46	6.38	7.22
Sep	4.37	4.55	2.86	1997	29	8.84	1993	.91	1985	10.1	7.9	3.2	1.2	1.64	2.05	2.63	3.12	3.58	4.06	4.57	5.16	5.92	7.09	8.15
Oct	3.06	2.87	4.14	1954	16	7.81	1976	.49	1994	9.2	7.4	2.3	.4	.89	1.18	1.62	2.00	2.37	2.75	3.18	3.68	4.33	5.35	6.30
Nov	3.53	3.34	3.70	1985	6	8.57	1985	1.24	1998	11.3	8.6	2.4	.5	1.34	1.67	2.14	2.53	2.90	3.28	3.69	4.17	4.77	5.71	6.56
Dec	3.71	3.43	2.21	1972	9	7.88+	1991	1.45	1985	14.7	9.5	2.2	.5	1.39	1.73	2.23	2.65	3.04	3.44	3.88	4.39	5.03	6.03	6.94
Ann	48.69	48.14	4.14	Oct 1954	16	14.96	May 1996	.49	Oct 1994	145.1	108.7	33.0	8.7	36.96	39.28	42.24	44.46	46.41	48.29	50.23	52.35	54.91	58.59	61.75

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

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(2) Derived from station's available digital record: 1948-2001
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Station: BELINGTON, WV **COOP ID: 460633**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,800 Feet** **Lat: 39°02N** **Lon: 79°55W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	16.3	16.5	4	4	22.0	1971	1	35.0	1971	29	1977	29	16	1977	6.5	5.0	1.5	.7	.1	17.1	10.6	6.9	2.0
Feb	12.0	12.0	3	1	10.0	1971	14	23.0	1983	29	1977	7	14	1977	4.6	3.6	1.2	.5	.1	11.9	7.9	5.9	3.3
Mar	7.2	4.0	1	#	21.0	1993	14	38.0	1971	21	1993	16	4	1993	3.0	2.1	.9	.3	@	4.5	1.9	1.0	.2
Apr	.4	.0	#	0	3.0	1997	18	3.0+	1997	13	1987	5	1	1987	.5	.3	@	.0	.0	.5	.1	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.0	1979	10	1.0	1979	1	1979	10	#+	2000	.1	@	.0	.0	.0	.1	.0	.0	.0
Nov	2.1	1.8	#	#	8.0	1976	12	13.0	1976	13	1995	17	2	1995	1.6	1.0	.2	@	.0	2.8	.7	.1	.0
Dec	6.2	4.0	1	1	6.0	1973	9	24.0	1973	11+	1993	30	4	1995	4.1	2.8	.7	.3	.0	8.1	3.1	1.4	.2
Ann	44.3	38.3	N/A	N/A	22.0	Jan 1971	1	38.0	Mar 1971	29+	Feb 1977	7	16	Jan 1977	20.4	14.8	4.5	1.8	.2	45.0	24.3	15.3	5.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Station: BELINGTON, WV **COOP ID: 460633**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,800 Feet** **Lat: 39˚02N** **Lon: 79˚55W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/02	5/29	5/25	5/22	5/18	5/14	5/10	5/04
32	5/30	5/24	5/20	5/17	5/13	5/10	5/07	5/03	4/27
28	5/15	5/10	5/06	5/03	4/30	4/27	4/24	4/20	4/15
24	4/29	4/24	4/21	4/17	4/15	4/12	4/09	4/05	3/31
20	4/20	4/14	4/11	4/07	4/04	4/01	3/29	3/25	3/19
16	4/04	3/30	3/25	3/22	3/19	3/15	3/12	3/08	3/02

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/15	9/19	9/22	9/25	9/27	9/29	10/02	10/04	10/08
32	9/28	10/01	10/04	10/06	10/08	10/10	10/12	10/15	10/18
28	10/04	10/09	10/13	10/17	10/20	10/23	10/26	10/30	11/05
24	10/16	10/21	10/25	10/28	10/31	11/03	11/06	11/09	11/14
20	10/22	10/27	10/31	11/04	11/07	11/10	11/13	11/17	11/23
16	11/06	11/13	11/18	11/22	11/26	11/30	12/04	12/09	12/15

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	147	140	135	131	128	124	120	115	108
32	166	159	155	151	147	143	139	135	128
28	194	186	181	176	172	168	163	158	150
24	218	211	206	202	198	195	190	186	179
20	241	232	226	221	216	211	206	200	191
16	277	268	262	256	251	246	241	235	226

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BELINGTON, WV **COOP ID: 460633**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,800 Feet** **Lat: 39˚02N** **Lon: 79˚55W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1140	961	805	509	259	57	9	28	118	447	713	1003	6049
60	985	821	650	361	151	15	0	5	43	309	564	848	4752
57	892	737	559	278	101	5	0	0	20	236	478	755	4061
55	830	681	501	226	74	3	0	0	11	194	424	695	3639
50	685	545	360	117	27	0	0	0	2	109	293	552	2690
32	243	153	49	1	0	0	0	0	0	3	29	154	632

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	126	115	267	482	792	1018	1179	1141	909	585	307	174	7095
55	0	0	6	17	152	330	466	428	230	63	11	2	1705
57	0	0	2	9	117	273	404	366	179	44	6	0	1400
60	0	0	0	3	74	192	311	277	112	23	1	0	993
65	0	0	0	0	27	84	166	145	37	6	0	0	465
70	0	0	0	0	7	21	61	57	6	0	0	0	152

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	34	47	133	289	556	792	941	907	680	353	149	58	34	81	214	503	1059	1851	2792	3699	4379	4732	4881	4939
45	13	17	70	180	408	642	786	752	531	228	82	27	13	30	100	280	688	1330	2116	2868	3399	3627	3709	3736
50	0	2	32	102	268	493	631	597	385	125	40	10	0	2	34	136	404	897	1528	2125	2510	2635	2675	2685
55	0	0	11	48	157	346	476	442	253	55	11	0	0	0	11	59	216	562	1038	1480	1733	1788	1799	1799
60	0	0	3	17	77	214	322	289	137	15	0	0	0	0	3	20	97	311	633	922	1059	1074	1074	1074
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	26	40	106	212	359	512	625	596	431	239	111	42	26	66	172	384	743	1255	1880	2476	2907	3146	3257	3299

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLUEFIELD AP, WV **COOP ID: 460921**

Climate Division: WV 5 **NWS Call Sign: BLF** **Elevation: 2,891 Feet** **Lat: 37˚18N** **Lon: 81˚12W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.3	25.0	32.7	72	1985	1	44.2	1974	-21	1985	21	21.3	1977	1004	0	.0	.0	7.9	8.7	23.9	1.1
Feb	44.3	27.9	36.1	75	1977	26	44.4	1976	-9	1996	5	24.2	1978	810	0	.0	.0	10.1	6.5	19.2	.4
Mar	53.8	35.3	44.6	83	1985	30	52.5	1973	-2	1980	3	38.3	1981	635	1	.0	.0	18.9	2.3	14.2	@
Apr	63.8	43.8	53.8	88+	1976	18	61.4	1977	15	1982	7	49.3	1987	344	8	.0	.0	25.8	.3	5.0	.0
May	70.9	51.7	61.3	88	1996	19	66.3	1987	24	1966	10	56.4	1994	166	50	.0	.0	30.5	.0	.2	.0
Jun	76.8	59.2	68.0	91	1988	25	72.6	1984	37	1972	11	63.1	1972	33	122	.0	.1	30.0	.0	.0	.0
Jul	80.3	62.9	71.6	96	1988	16	75.5	1977	40	1963	10	68.6	2000	5	209	.0	.7	31.0	.0	.0	.0
Aug	79.7	61.9	70.8	95	1988	17	75.7	1988	20	1960	24	67.6	1992	13	192	.0	.8	31.0	.0	.0	.0
Sep	73.3	56.2	64.8	92+	1998	13	69.5	1978	30	1989	24	62.1	1974	75	66	.0	.1	29.8	.0	@	.0
Oct	63.9	45.7	54.8	82+	1989	15	64.9	1984	18	1962	27	47.6	1988	331	15	.0	.0	28.1	@	2.5	.0
Nov	53.1	37.3	45.2	81	1993	14	53.4	1985	7+	1970	24	36.8	1976	595	0	.0	.0	18.7	1.5	11.7	.0
Dec	44.1	29.1	36.6	74	1982	4	47.6	1984	-13+	1983	25	24.5	1989	880	0	.0	.0	11.2	5.9	20.3	.5
Ann	62.0	44.7	53.4	96	Jul 1988	16	75.7	Aug 1988	-21	Jan 1985	21	21.3	Jan 1977	4891	663	.0	1.7	273.0	25.2	97.0	2.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1959-2001

(3) Derived from 1971-2000 serially complete daily data

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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLUEFIELD AP, WV

COOP ID: 460921

Climate Division: WV 5 **NWS Call Sign: BLF** **Elevation: 2,891 Feet** **Lat: 37°18N** **Lon: 81°12W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.06	2.92	2.05	1972	20	6.97	1996	.72	1981	14.4	7.4	1.9	.3	.96	1.26	1.69	2.06	2.41	2.78	3.19	3.67	4.28	5.24	6.12
Feb	2.91	2.83	2.66	1987	27	4.58	1987	.78	1978	13.2	7.2	1.6	.4	1.29	1.55	1.91	2.20	2.48	2.75	3.05	3.39	3.81	4.46	5.05
Mar	3.63	3.36	2.20	1993	13	8.24	1993	1.74	1981	14.1	8.1	2.3	.6	1.58	1.91	2.36	2.73	3.08	3.43	3.81	4.24	4.78	5.61	6.36
Apr	3.39	3.59	3.37	1977	4	8.67	1987	.48	1976	12.8	7.3	2.1	.5	.92	1.24	1.73	2.16	2.58	3.02	3.51	4.09	4.85	6.03	7.13
May	4.31	4.16	2.40	2001	17	7.22	1971	1.87	1993	14.2	9.4	2.9	.9	2.18	2.54	3.03	3.42	3.78	4.13	4.51	4.95	5.48	6.29	7.01
Jun	3.85	3.72	3.61	1994	7	9.34	1995	.75	1999	12.6	7.6	2.7	.8	1.08	1.45	2.00	2.48	2.95	3.44	3.99	4.63	5.46	6.76	7.98
Jul	4.01	3.83	3.26	2001	8	10.24	1980	.97	1995	12.1	7.7	2.8	.9	1.64	2.00	2.52	2.95	3.35	3.76	4.20	4.70	5.35	6.33	7.22
Aug	3.20	3.18	2.15	1964	28	5.55	1989	.90	1976	10.1	6.6	2.5	.6	1.38	1.66	2.07	2.40	2.71	3.02	3.35	3.74	4.22	4.96	5.63
Sep	3.21	2.94	2.64	1979	5	7.69	1989	.38	1978	10.2	6.0	2.1	.7	.67	.96	1.43	1.86	2.29	2.76	3.28	3.90	4.73	6.06	7.31
Oct	2.61	2.44	3.18	1995	5	5.99	1976	.22	2000	9.2	5.0	1.9	.6	.51	.74	1.13	1.48	1.84	2.22	2.66	3.18	3.88	5.00	6.06
Nov	2.67	2.42	2.52	1962	9	5.63	1985	.65	1981	10.8	6.1	1.7	.4	.87	1.12	1.49	1.81	2.12	2.43	2.78	3.19	3.71	4.52	5.27
Dec	2.82	2.82	1.65	1969	30	4.78	1991	.77	1980	13.0	7.0	2.0	.4	1.03	1.29	1.67	1.99	2.29	2.61	2.95	3.34	3.84	4.62	5.33
Ann	39.67	39.70	3.61	Jun 1994	7	10.24	Jul 1980	.22	Oct 2000	146.7	85.4	26.5	7.1	31.11	32.83	34.99	36.61	38.04	39.40	40.80	42.33	44.17	46.81	49.06

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1959-2001
(3) Derived from 1971-2000 serially complete daily data

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLUEFIELD AP, WV **COOP ID: 460921**

Climate Division: WV 5 **NWS Call Sign: BLF** **Elevation: 2,891 Feet** **Lat: 37°18N** **Lon: 81°12W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.0	6.8	1	1	16.8	1998	28	26.8	1998	24+	1996	13	6+	1996	6.0	2.8	.8	.3	.1	10.3	5.5	2.9	1.0
Feb	8.8	7.5	1	1	9.0	1998	4	21.3	1987	13+	1998	7	4+	1998	6.5	2.9	.7	.3	.0	10.5	5.1	2.9	.3
Mar	4.0	1.8	#	1	16.3	1993	13	25.6	1993	24+	1993	15	3	1993	3.3	1.1	.3	.1	@	3.2	1.3	.8	.1
Apr	1.8	.1	#	0	9.5	1987	3	14.0	1971	15	1971	7	2	1987	1.2	.4	.2	.1	.0	.6	.3	.2	.1
May	#	.0	#	0	#	1989	7	#+	1989	#+	1989	7	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.3	.0	#	0	3.2	1993	31	3.2	1993	2	1993	31	#	1993	.1	.1	@	.0	.0	.1	.0	.0	.0
Nov	1.8	.6	#	0	4.2	1976	11	10.3	1976	6	1976	12	1	1976	1.7	.6	.1	.0	.0	1.2	.5	@	.0
Dec	5.6	4.1	1	0	7.8	1988	9	16.3	1973	14	1974	3	4	1989	4.3	2.0	.6	.2	.0	6.2	2.6	1.6	.2
Ann	30.3	20.9	N/A	N/A	16.8	Jan 1998	28	26.8	Jan 1998	24+	Jan 1996	13	6+	Jan 1996	23.1	9.9	2.7	1.0	.1	32.1	15.3	8.4	1.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Station: BLUEFIELD AP, WV **COOP ID: 460921**

Climate Division: WV 5 **NWS Call Sign: BLF** **Elevation: 2,891 Feet** **Lat: 37˚18N** **Lon: 81˚12W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/22	5/16	5/11	5/08	5/04	5/01	4/27	4/23	4/17
32	5/03	4/28	4/24	4/21	4/18	4/15	4/12	4/08	4/03
28	4/22	4/17	4/13	4/09	4/06	4/03	3/30	3/26	3/21
24	4/15	4/09	4/05	4/01	3/29	3/26	3/22	3/18	3/12
20	4/04	3/29	3/24	3/19	3/15	3/11	3/07	3/02	2/23
16	3/22	3/15	3/10	3/05	3/01	2/25	2/21	2/15	2/08

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/27	10/02	10/05	10/07	10/10	10/12	10/15	10/18	10/23
32	10/04	10/10	10/14	10/17	10/20	10/24	10/27	10/31	11/06
28	10/13	10/19	10/24	10/28	10/31	11/04	11/08	11/13	11/19
24	10/24	10/30	11/03	11/07	11/11	11/14	11/18	11/22	11/28
20	11/07	11/13	11/18	11/22	11/25	11/29	12/03	12/08	12/14
16	11/18	11/24	11/29	12/02	12/06	12/09	12/13	12/18	12/24

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	180	172	167	162	158	154	149	144	136
32	210	201	195	189	185	180	174	168	159
28	234	225	218	213	208	202	197	190	181
24	252	243	237	231	226	221	215	208	199
20	280	271	265	259	254	249	244	237	229
16	304	295	289	284	279	274	269	263	254

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: BLUEFIELD AP, WV **COOP ID: 460921**

Climate Division: WV 5 **NWS Call Sign: BLF** **Elevation: 2,891 Feet** **Lat: 37˚18N** **Lon: 81˚12W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1004	810	635	344	166	33	5	13	75	331	595	880	4891
60	849	670	489	215	81	6	0	1	22	209	453	727	3722
57	757	586	405	153	46	2	0	0	8	150	370	642	3119
55	701	532	353	118	29	0	0	0	4	117	319	584	2757
50	557	403	238	52	8	0	0	0	0	55	207	445	1965
32	165	76	22	0	0	0	0	0	0	0	13	105	381

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	184	190	412	654	907	1079	1227	1202	981	707	409	248	8200
55	8	3	29	82	223	390	514	489	295	111	24	14	2182
57	2	1	20	57	178	331	452	427	240	82	16	10	1816
60	0	0	11	29	120	245	359	334	164	48	8	2	1320
65	0	0	1	8	50	122	209	192	66	15	0	0	663
70	0	0	0	0	15	41	88	85	16	3	0	0	248

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	54	93	210	416	654	829	970	938	730	454	221	100	54	147	357	773	1427	2256	3226	4164	4894	5348	5569	5669
45	27	50	130	290	501	679	815	783	580	318	134	50	27	77	207	497	998	1677	2492	3275	3855	4173	4307	4357
50	3	19	65	188	352	529	660	628	432	192	71	24	3	22	87	275	627	1156	1816	2444	2876	3068	3139	3163
55	0	4	33	103	222	382	505	473	291	97	32	2	0	4	37	140	362	744	1249	1722	2013	2110	2142	2144
60	0	0	8	51	116	240	351	319	166	40	8	0	0	0	8	59	175	415	766	1085	1251	1291	1299	1299
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	49	117	240	386	535	654	626	444	249	115	45	29	78	195	435	821	1356	2010	2636	3080	3329	3444	3489

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLUESTONE LAKE, WV **COOP ID: 460939**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,390 Feet** **Lat: 37˚38N** **Lon: 80˚53W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.4	22.0	31.2	77	1950	26	42.0	1974	-17+	1985	21	18.8	1977	1048	0	.0	.0	6.4	6.7	25.4	1.2
Feb	45.4	24.1	34.8	77	1977	27	41.9	1990	-13+	1996	5	24.6	1978	846	0	.0	.0	10.6	4.3	22.5	.2
Mar	55.1	31.1	43.1	85+	1998	28	49.7	1973	0	1993	15	36.8	1996	678	0	.0	.0	20.5	.9	17.9	@
Apr	65.7	38.9	52.3	90+	1950	30	56.2	1999	18	1964	1	47.8	1997	382	2	.0	.0	26.8	@	7.0	.0
May	74.0	47.9	61.0	93	1949	6	67.0	1991	28	1986	4	55.2	1997	177	52	.0	.1	30.9	.0	.9	.0
Jun	80.8	57.3	69.1	98	1952	28	71.9	1987	36	1966	2	63.8	1972	28	148	.0	1.2	30.0	.0	.0	.0
Jul	84.6	62.0	73.3	100+	1952	29	77.1	1993	45+	1963	10	70.0	1976	1	259	.0	4.7	31.0	.0	.0	.0
Aug	83.4	61.1	72.3	103	1948	29	75.6	1995	41+	1986	30	69.0	1976	4	229	.0	3.0	31.0	.0	.0	.0
Sep	77.2	54.8	66.0	99+	1953	2	70.8	1998	31	1989	24	63.1	1974	62	93	.0	.7	30.0	.0	@	.0
Oct	66.8	42.0	54.4	94	1953	1	63.1	1984	18	1962	27	48.4	1988	344	16	.0	.0	29.7	.0	3.7	.0
Nov	55.1	32.8	44.0	83	1950	1	52.5	1985	8+	1950	25	36.1	1976	632	0	.0	.0	20.0	.3	15.1	.0
Dec	43.9	25.2	34.6	77	2001	1	42.1	1984	-9+	1989	23	23.9	1989	943	0	.0	.0	9.5	4.4	23.2	.2
Ann	64.4	41.6	53.0	103	Aug 1948	29	77.1	Jul 1993	-17+	Jan 1985	21	18.8	Jan 1977	5145	799	.0	9.7	276.4	16.6	115.7	1.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BLUESTONE LAKE, WV

COOP ID: 460939

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,390 Feet** **Lat: 37°38N** **Lon: 80°53W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.04	2.88	2.71	1998	28	6.99	1998	.50	1983	10.8	7.1	2.0	.4	.82	1.11	1.55	1.93	2.31	2.71	3.15	3.67	4.35	5.41	6.41
Feb	2.67	2.36	1.90	1984	24	4.96	1994	.34	1978	10.1	6.3	1.8	.4	.80	1.05	1.43	1.76	2.08	2.41	2.77	3.20	3.76	4.62	5.43
Mar	3.45	3.13	3.31	1963	12	7.15	1993	.94	1988	11.4	7.5	2.7	.7	1.20	1.52	2.00	2.40	2.78	3.17	3.61	4.11	4.75	5.74	6.66
Apr	3.27	2.91	2.11	1987	25	7.75	1987	.82	1976	11.9	7.2	2.0	.5	1.16	1.47	1.92	2.29	2.65	3.02	3.42	3.88	4.48	5.40	6.24
May	3.95	3.58	3.50	1954	27	7.71	1998	1.77	1977	13.0	8.7	2.9	.6	1.83	2.17	2.65	3.04	3.40	3.76	4.14	4.58	5.13	5.97	6.72
Jun	3.33	3.03	2.76	1992	5	7.04	1979	.75	1988	12.0	7.5	2.0	.6	1.16	1.47	1.93	2.32	2.68	3.06	3.47	3.95	4.57	5.52	6.40
Jul	4.19	4.36	2.79	1986	2	7.38	1980	1.19	1987	11.6	8.3	2.7	1.0	1.64	2.03	2.58	3.04	3.47	3.91	4.38	4.93	5.63	6.70	7.68
Aug	3.29	3.31	3.94	1969	20	5.05	1994	1.31	1971	9.9	6.8	2.3	.6	1.53	1.81	2.21	2.53	2.83	3.13	3.45	3.82	4.28	4.98	5.61
Sep	2.83	2.86	2.82	1966	14	5.47	1975	.42	1983	9.4	5.9	1.9	.6	.65	.91	1.33	1.70	2.07	2.46	2.90	3.43	4.12	5.22	6.25
Oct	2.60	2.53	2.34	1954	16	6.43	1983	.14	2000	8.0	5.4	1.7	.6	.51	.75	1.13	1.48	1.83	2.21	2.64	3.16	3.84	4.94	5.98
Nov	2.52	2.53	2.10	1962	10	5.74	1985	.93	1976	9.7	5.7	1.7	.3	.99	1.22	1.56	1.83	2.09	2.36	2.64	2.97	3.39	4.04	4.62
Dec	2.58	2.26	1.63+	1990	28	5.78	1991	.64	1980	10.0	6.1	1.8	.4	.82	1.06	1.43	1.74	2.03	2.34	2.68	3.08	3.59	4.39	5.12
Ann	37.72	37.05	3.94	Aug 1969	20	7.75	Apr 1987	.14	Oct 2000	127.8	82.5	25.5	6.7	30.93	32.32	34.05	35.34	36.47	37.54	38.64	39.83	41.26	43.30	45.03

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: BLUESTONE LAKE, WV **COOP ID: 460939**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,390 Feet** **Lat: 37°38N** **Lon: 80°53W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.8	5.0	1	#	16.0	1996	7	34.5	1996	23	1996	8	7	1996	2.9	2.9	1.0	.5	.1	7.5	3.9	1.5	.5
Feb	5.8	3.0	1	#	12.0	1983	11	23.0	1987	14	1983	12	4	1979	2.3	2.3	.6	.3	@	5.7	3.0	1.4	.1
Mar	3.2	1.0	#	#	12.0	1980	2	19.0	1993	19	1993	14	3	1993	1.1	1.1	.4	.2	.1	1.7	.8	.3	.1
Apr	.4	#	#	0	3.0	1985	9	4.0	1985	7	1987	5	1	1987	.3	.2	.1	.0	.0	.1	.0	.0	.0
May	#	.0	0	0	#	1989	8	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#	1998	4	#	1998	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	1.0	1993	31	1.0	1993	1	1993	31	#	1993	@	@	.0	.0	.0	@	.0	.0	.0
Nov	.8	#	#	0	4.0	1977	28	4.0+	1989	3	1989	23	#+	2000	.3	.3	.1	.0	.0	.3	.1	.0	.0
Dec	3.2	2.0	#	#	11.0	1997	30	14.0	1997	12	1997	30	3	1989	1.5	1.4	.4	.2	@	2.8	1.0	.4	.1
Ann	21.2	11.0	N/A	N/A	16.0	Jan 1996	7	34.5	Jan 1996	23	Jan 1996	8	7	Jan 1996	8.4	8.2	2.6	1.2	.2	18.1	8.8	3.6	.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: BLUESTONE LAKE, WV **COOP ID: 460939**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,390 Feet** **Lat: 37˚38N** **Lon: 80˚53W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/16	5/12	5/09	5/06	5/04	5/01	4/29	4/26	4/22
32	5/13	5/06	5/02	4/28	4/24	4/21	4/17	4/12	4/06
28	4/22	4/17	4/14	4/10	4/08	4/05	4/01	3/29	3/24
24	4/05	3/30	3/26	3/22	3/19	3/16	3/12	3/08	3/02
20	3/26	3/20	3/15	3/10	3/06	3/02	2/26	2/21	2/15
16	3/16	3/10	3/06	3/02	2/26	2/23	2/19	2/14	2/08

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	10/02	10/05	10/08	10/11	10/13	10/15	10/17	10/20	10/24
32	10/09	10/14	10/17	10/20	10/23	10/25	10/28	11/01	11/05
28	10/18	10/24	10/28	11/01	11/04	11/08	11/11	11/15	11/21
24	11/01	11/07	11/12	11/15	11/19	11/22	11/26	11/30	12/06
20	11/12	11/17	11/22	11/25	11/29	12/02	12/06	12/10	12/16
16	11/21	11/27	12/02	12/06	12/10	12/13	12/17	12/22	12/29

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	177	171	167	164	161	158	155	151	146
32	204	196	190	185	181	176	171	165	157
28	235	226	220	215	210	205	200	194	185
24	268	260	254	249	244	239	234	228	220
20	290	282	276	271	266	262	257	251	243
16	312	303	296	291	286	281	275	269	260

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: BLUESTONE LAKE, WV **COOP ID: 460939**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,390 Feet** **Lat: 37˚38N** **Lon: 80˚53W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1048	846	678	382	177	28	1	4	62	344	632	943	5145
60	893	706	525	242	89	5	0	0	19	220	485	788	3972
57	800	622	437	169	52	2	0	0	8	160	401	695	3346
55	738	566	381	127	34	1	0	0	4	126	348	633	2958
50	597	435	251	51	9	0	0	0	0	61	227	489	2120
32	185	87	18	0	0	0	0	0	0	0	13	102	405

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	161	165	363	610	898	1111	1281	1249	1021	695	371	182	8107
55	0	0	13	47	219	421	568	536	335	107	16	0	2262
57	0	0	7	28	176	362	506	474	279	80	10	0	1922
60	0	0	2	12	120	276	413	381	200	47	4	0	1455
65	0	0	0	2	52	148	259	229	93	16	0	0	799
70	0	0	0	0	16	58	124	102	28	3	0	0	331

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	35	62	180	391	664	885	1044	1008	790	461	189	58	35	97	277	668	1332	2217	3261	4269	5059	5520	5709	5767
45	11	22	98	260	510	735	889	853	640	315	102	25	11	33	131	391	901	1636	2525	3378	4018	4333	4435	4460
50	0	5	43	154	362	585	734	698	490	190	49	5	0	5	48	202	564	1149	1883	2581	3071	3261	3310	3315
55	0	0	12	77	226	435	579	543	344	95	15	0	0	0	12	89	315	750	1329	1872	2216	2311	2326	2326
60	0	0	2	31	117	290	424	388	210	37	1	0	0	0	2	33	150	440	864	1252	1462	1499	1500	1500
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	23	51	130	250	415	583	716	687	504	278	121	37	23	74	204	454	869	1452	2168	2855	3359	3637	3758	3795

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: BUCKEYE, WV **COOP ID: 461215**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38˚11N** **Lon: 80˚08W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	36.8	15.8	26.3	68	1999	28	34.7	1974	-26	1985	21	14.7	1977	1201	0	.0	.0	4.0	9.5	28.9	3.4
Feb	42.0	17.9	30.0	72	1976	29	36.7	1976	-17+	1963	16	19.1	1978	982	0	.0	.0	7.9	5.2	25.4	2.0
Mar	51.6	25.3	38.5	82	1981	31	44.4	1973	-9	1980	2	31.6	1971	823	0	.0	.0	17.8	1.5	24.0	.2
Apr	61.9	33.4	47.7	91	1985	24	53.2	1981	9	1985	10	40.6	1971	521	0	.0	.1	25.4	.2	13.3	.0
May	71.3	43.8	57.6	95	1996	20	63.8	1991	18+	1970	7	52.2	1997	254	23	.0	.2	30.6	.0	3.7	.0
Jun	78.2	53.0	65.6	93	1964	27	68.6	1984	29	1972	11	61.5	1972	57	74	.0	.2	30.0	.0	.1	.0
Jul	82.0	57.9	70.0	96	1999	6	72.5	1999	37	1962	27	67.5+	2000	7	160	.0	1.8	31.0	.0	.0	.0
Aug	80.3	56.5	68.4	95+	1983	21	73.2	1983	36+	1965	29	63.3	1971	25	130	.0	1.1	31.0	.0	.0	.0
Sep	74.1	50.0	62.1	93+	1964	9	67.2	1980	23	1963	25	59.3	1974	118	30	.0	.2	29.9	.0	.6	.0
Oct	64.1	36.7	50.4	83+	1962	12	59.9	1984	3	1962	27	43.8	1988	456	3	.0	.0	28.9	.0	11.3	.0
Nov	51.7	27.4	39.6	77+	1974	1	47.2	1985	-7	1971	26	31.8	1971	763	0	.0	.0	18.2	1.1	20.8	.1
Dec	41.2	20.2	30.7	72	1982	5	38.1	1984	-19+	1960	23	17.5	1989	1063	0	.0	.0	7.2	5.6	26.8	1.5
Ann	61.3	36.5	48.9	96	Jul 1999	6	73.2	Aug 1983	-26	Jan 1985	21	14.7	Jan 1977	6270	420	.0	3.6	261.9	23.1	154.9	7.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Station: BUCKEYE, WV

COOP ID: 461215

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38°11N** **Lon: 80°08W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	4.06	3.93	2.15	1979	21	7.79	1979	1.14	1981	13.7	7.8	2.9	.8	1.35	1.74	2.30	2.78	3.24	3.72	4.23	4.84	5.62	6.83	7.94
Feb	3.28	3.23	2.46	1953	21	6.15	1982	.57	1978	12.0	6.8	2.2	.7	1.11	1.42	1.88	2.26	2.63	3.01	3.42	3.91	4.53	5.49	6.37
Mar	4.35	4.06	3.16	1963	12	7.91	1993	1.50	1988	13.5	8.8	2.9	1.0	1.88	2.27	2.82	3.26	3.68	4.11	4.56	5.08	5.74	6.74	7.65
Apr	3.50	3.20	3.27	1989	26	6.50	1973	.80	1976	13.2	7.7	2.1	.6	1.33	1.65	2.12	2.51	2.88	3.25	3.66	4.13	4.73	5.66	6.50
May	4.49	4.63	2.42	1980	25	7.37	1981	1.63	1977	13.1	8.6	3.0	1.0	2.20	2.58	3.10	3.52	3.91	4.30	4.71	5.18	5.77	6.65	7.44
Jun	3.79	3.82	2.66	1982	13	6.64	1972	.73	1988	12.5	8.0	2.5	.7	1.18	1.54	2.07	2.53	2.98	3.44	3.94	4.54	5.31	6.50	7.61
Jul	4.46	4.35	2.95	1972	5	7.00	1984	2.27	1998	13.3	8.8	2.7	1.0	2.53	2.87	3.32	3.68	4.01	4.33	4.66	5.04	5.51	6.21	6.82
Aug	3.92	3.74	3.40	1984	31	9.01	1984	1.13	1983	11.0	7.0	2.5	1.0	1.12	1.49	2.05	2.54	3.02	3.52	4.07	4.72	5.56	6.88	8.11
Sep	3.26	2.74	2.62	1967	29	7.73	1987	.03	1985	10.1	6.0	2.5	.8	.52	.80	1.27	1.72	2.19	2.69	3.28	3.99	4.94	6.48	7.96
Oct	3.24	3.12	3.65	1954	16	9.35	1976	.17	2000	9.4	5.7	2.2	.9	.62	.91	1.39	1.83	2.27	2.75	3.29	3.94	4.81	6.19	7.51
Nov	3.53	3.47	3.68	1985	5	8.25	1985	1.15	1981	11.4	7.0	2.3	.8	1.47	1.79	2.24	2.61	2.96	3.31	3.70	4.13	4.69	5.54	6.31
Dec	3.73	3.25	2.64	1991	3	7.27	1991	1.29	1980	12.8	7.2	2.7	.8	1.41	1.76	2.25	2.67	3.06	3.46	3.90	4.40	5.05	6.03	6.94
Ann	45.61	44.27	3.68	Nov 1985	5	9.35	Oct 1976	.03	Sep 1985	146.0	89.4	30.5	10.1	35.57	37.58	40.12	42.02	43.69	45.29	46.93	48.73	50.89	53.99	56.65

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1952-2001
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Station: BUCKEYE, WV **COOP ID: 461215**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38°11N** **Lon: 80°08W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.2	10.5	3	2	14.0	1996	8	36.5	1996	29	1996	13	9	1996	5.6	4.2	1.5	.6	.2	14.4	8.8	5.2	2.1
Feb	8.4	5.0	2	1	10.0	1987	17	28.5	1987	16+	1987	23	9	1978	4.2	3.2	1.1	.5	.1	12.6	8.1	5.2	.7
Mar	7.1	5.1	1	#	14.0	1993	14	28.1	1993	15	1993	14	5	1978	3.4	2.7	.9	.4	@	4.8	2.4	1.3	.3
Apr	2.3	.0	#	#	10.0	1987	4	14.5	1985	6	1987	5	1	1987	1.0	.8	.3	.1	@	.8	.2	.1	.0
May	.0	.0	#	0	.5	1989	7	.5	1989	#	1989	7	#	1989	@	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1983	24	#	1983	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.0	1988	22	2.0+	1993	2	1993	31	#+	1993	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	2.2	1.0	#	#	8.0	1971	25	11.0	1971	8	1971	27	1	1976	1.4	1.0	.2	@	.0	1.7	.3	.1	.0
Dec	7.6	4.0	1	#	15.0	1997	30	25.4	1989	18	1997	30	6	1989	3.9	2.7	.8	.3	@	8.4	3.5	2.1	.2
Ann	40.0	25.6	N/A	N/A	15.0	Dec 1997	30	36.5	Jan 1996	29	Jan 1996	13	9+	Jan 1996	19.6	14.7	4.8	1.9	.3	42.7	23.3	14.0	3.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38˚11N** **Lon: 80˚08W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/11	6/05	5/31	5/27	5/23	5/20	5/16	5/11	5/04
32	5/29	5/23	5/19	5/16	5/13	5/09	5/06	5/02	4/26
28	5/17	5/11	5/07	5/04	5/01	4/27	4/24	4/20	4/14
24	5/05	4/28	4/24	4/20	4/16	4/13	4/09	4/04	3/29
20	4/22	4/15	4/11	4/07	4/03	3/30	3/26	3/22	3/15
16	4/11	4/03	3/28	3/23	3/19	3/14	3/10	3/04	2/24

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/18	9/21	9/24	9/27	9/29	10/01	10/03	10/06	10/10
32	9/23	9/27	9/30	10/03	10/05	10/07	10/10	10/13	10/17
28	10/02	10/07	10/11	10/14	10/16	10/19	10/22	10/25	10/30
24	10/13	10/17	10/21	10/24	10/27	10/30	11/02	11/05	11/10
20	10/18	10/24	10/29	11/02	11/05	11/09	11/13	11/18	11/24
16	10/27	11/04	11/10	11/15	11/20	11/25	11/30	12/05	12/14

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	152	143	138	133	128	123	118	112	104
32	164	157	153	149	145	141	137	132	125
28	187	181	176	172	168	164	160	156	149
24	219	210	204	198	193	187	182	175	166
20	245	235	227	221	216	210	204	197	187
16	283	270	261	253	245	238	230	220	207

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: BUCKEYE, WV **COOP ID: 461215**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38˚11N** **Lon: 80˚08W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1201	982	823	521	254	57	7	25	118	456	763	1063	6270
60	1046	842	668	374	144	14	0	3	41	315	613	908	4968
57	953	758	575	290	94	5	0	0	18	240	525	815	4273
55	891	702	514	238	67	2	0	0	9	196	466	753	3838
50	736	562	369	127	23	0	0	0	1	107	328	600	2853
32	267	157	41	0	0	0	0	0	0	2	30	163	660

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	89	99	242	469	792	1007	1177	1128	902	572	257	123	6857
55	0	0	1	17	146	319	464	415	221	53	3	0	1639
57	0	0	0	9	111	262	402	353	170	35	1	0	1343
60	0	0	0	3	68	181	309	263	103	17	0	0	944
65	0	0	0	0	23	74	160	130	30	3	0	0	420
70	0	0	0	0	5	15	53	45	3	0	0	0	121

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	12	28	116	288	563	784	941	905	682	353	123	31	12	40	156	444	1007	1791	2732	3637	4319	4672	4795	4826
45	0	8	60	173	410	634	786	750	532	220	56	10	0	8	68	241	651	1285	2071	2821	3353	3573	3629	3639
50	0	0	25	91	270	484	631	595	385	116	23	1	0	0	25	116	386	870	1501	2096	2481	2597	2620	2621
55	0	0	4	44	153	339	476	440	248	48	5	0	0	0	4	48	201	540	1016	1456	1704	1752	1757	1757
60	0	0	0	8	68	202	321	287	133	12	0	0	0	0	0	8	76	278	599	886	1019	1031	1031	1031
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	10	36	107	216	365	507	627	593	430	247	92	24	10	46	153	369	734	1241	1868	2461	2891	3138	3230	3254

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: BUCKHANNON, WV **COOP ID: 461220**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,455 Feet** **Lat: 38˚59N** **Lon: 80˚13W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.7	18.3	29.0	77	1950	25	39.6	1974	-30+	1994	19	14.7	1977	1116	0	.0	.0	8.4	9.2	25.9	2.9
Feb	43.8	19.6	31.7	77	2000	27	38.8	1990	-20+	1996	5	17.5	1978	934	0	.0	.0	10.5	6.1	23.3	2.0
Mar	53.1	27.3	40.2	85	1954	25	48.0	1973	-13	1980	3	33.3	1999	769	0	.0	.0	19.8	1.8	19.8	.2
Apr	63.1	35.2	49.2	90	1986	28	54.2	1981	12	1985	10	44.3	1997	476	0	.0	@	26.5	.1	11.4	.0
May	72.5	45.7	59.1	90+	1974	14	66.0	1991	21	1966	10	53.6	1997	213	31	.0	.1	30.8	.0	2.1	.0
Jun	79.7	54.5	67.1	95	1999	11	70.7	1994	29	1977	8	61.7	1972	42	106	.0	.8	30.0	.0	.1	.0
Jul	83.0	59.5	71.3	97	1952	28	75.6	1999	39+	1963	9	67.9	1976	7	201	@	3.5	31.0	.0	.0	.0
Aug	81.5	57.4	69.5	97+	1953	30	74.2	1995	34	1965	29	65.6	1976	19	157	.0	2.5	31.0	.0	.0	.0
Sep	75.7	50.6	63.2	100	1953	3	66.7	1978	26	1951	29	60.1	1984	96	41	.0	.5	30.0	.0	.3	.0
Oct	65.7	38.2	52.0	90	1951	3	59.5	1984	11+	1952	21	45.3	1988	411	6	.0	.0	29.1	.0	8.8	.0
Nov	54.1	29.8	42.0	82	1948	5	50.4	1985	-1	1958	30	33.1	1976	691	0	.0	.0	19.4	.9	17.4	.0
Dec	44.4	23.2	33.8	79	1951	7	42.5	1984	-13	1983	25	20.2	1989	967	0	.0	.0	11.2	5.3	23.5	.8
Ann	63.0	38.3	50.7	100	Sep 1953	3	75.6	Jul 1999	-30+	Jan 1994	19	14.7	Jan 1977	5741	542	@	7.4	277.7	23.4	132.6	5.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Station: BUCKHANNON, WV

COOP ID: 461220

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,455 Feet** **Lat: 38°59N** **Lon: 80°13W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.83	4.30	1.69	1952	27	6.65	1972	1.27	1981	18.0	9.6	2.1	.4	1.37	1.73	2.25	2.69	3.11	3.53	4.00	4.54	5.23	6.30	7.28
Feb	3.42	3.14	3.43	1994	9	6.81	1994	1.32	1978	14.8	8.5	1.9	.4	1.46	1.77	2.20	2.56	2.89	3.22	3.58	4.00	4.52	5.32	6.04
Mar	4.28	4.02	2.72	1967	6	8.38	1997	1.42	1987	15.1	9.3	3.2	.8	1.85	2.24	2.77	3.21	3.63	4.04	4.49	5.00	5.65	6.64	7.53
Apr	3.82	3.68	1.96	1980	9	6.92	1972	1.07	1971	14.4	8.7	2.3	.6	1.57	1.92	2.41	2.82	3.20	3.59	4.00	4.49	5.09	6.02	6.87
May	4.67	4.35	1.92+	1969	9	12.85	1996	1.43	1987	13.8	9.4	2.8	1.0	1.55	1.99	2.64	3.19	3.72	4.27	4.86	5.56	6.46	7.86	9.14
Jun	4.80	4.27	4.56	1950	25	10.09	1998	1.28	1988	13.3	8.7	3.0	1.2	1.69	2.14	2.80	3.35	3.88	4.42	5.01	5.70	6.59	7.95	9.20
Jul	4.80	4.73	2.73	1976	24	9.04	1996	1.88	1987	12.3	8.4	3.0	1.2	2.33	2.75	3.31	3.76	4.18	4.59	5.04	5.54	6.18	7.13	7.98
Aug	4.50	4.51	3.43	1949	15	8.80	1980	1.85	1976	12.4	8.0	3.3	1.1	2.08	2.47	3.02	3.46	3.87	4.28	4.72	5.23	5.86	6.82	7.68
Sep	4.00	4.11	3.07	1967	28	8.20	1993	.36	1985	10.3	6.7	2.7	.9	1.23	1.61	2.18	2.67	3.14	3.62	4.16	4.79	5.60	6.87	8.05
Oct	3.14	3.20	3.54	1954	15	7.20	1976	.42	1994	11.0	6.9	2.1	.6	.88	1.18	1.63	2.03	2.41	2.81	3.26	3.78	4.46	5.53	6.53
Nov	3.76	3.82	3.26	1985	4	11.59	1985	1.43	1990	13.7	8.2	2.4	.7	1.31	1.66	2.18	2.62	3.03	3.46	3.93	4.47	5.17	6.25	7.24
Dec	3.96	3.44	2.25	1948	15	8.18	1978	1.82	1971	17.0	9.2	2.2	.7	1.71	2.07	2.56	2.97	3.35	3.74	4.15	4.63	5.23	6.14	6.96
Ann	48.98	49.41	4.56	Jun 1950	25	12.85	May 1996	.36	Sep 1985	166.1	101.6	31.0	9.6	38.16	40.33	43.07	45.12	46.92	48.65	50.42	52.36	54.69	58.04	60.91

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	18.1	19.0	3	2	15.0	1996	8	44.0	1978	18	1996	10	8	1977	9.4	6.1	2.0	.5	.1	14.4	9.4	6.2	1.8
Feb	13.2	11.0	2	2	15.0	1983	11	28.9	1979	15	1983	11	9	1979	6.6	4.0	1.1	.4	@	10.5	6.4	4.3	1.1
Mar	7.2	7.1	1	#	18.0	1993	14	19.4	1971	24	1993	14	4	1993	4.4	2.3	.7	.2	@	3.9	1.7	.8	.0
Apr	1.4	.2	#	#	3.2	1973	12	5.7	1973	3	1982	6	#+	1997	.9	.7	.1	.0	.0	.3	@	.0	.0
May	#	.0	0	0	#	1980	8	#	1980	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.0	1972	19	2.0	1972	1	1993	31	#+	1993	.1	.1	.0	.0	.0	@	.0	.0	.0
Nov	2.7	1.0	#	#	7.0	1995	15	17.1	1976	7	1995	15	1	1995	2.0	1.2	.4	.1	.0	1.6	.5	.1	.0
Dec	8.1	5.4	1	#	12.0	1973	9	25.0	1973	12	1973	9	3	1973	5.5	3.3	.5	.2	@	5.8	2.3	.8	.1
Ann	50.8	43.7	N/A	N/A	18.0	Mar 1993	14	44.0	Jan 1978	24	Mar 1993	14	9	Feb 1979	28.9	17.7	4.8	1.4	.1	36.5	20.3	12.2	3.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Climatography of the United States No. 20 1971-2000

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: BUCKHANNON, WV **COOP ID: 461220**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,455 Feet** **Lat: 38˚59N** **Lon: 80˚13W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	5/31	5/27	5/23	5/20	5/16	5/13	5/08	5/02
32	5/27	5/21	5/17	5/14	5/10	5/07	5/04	4/30	4/24
28	5/13	5/07	5/03	4/30	4/27	4/24	4/21	4/17	4/12
24	4/29	4/24	4/20	4/17	4/13	4/10	4/07	4/03	3/29
20	4/18	4/12	4/08	4/05	4/02	3/30	3/26	3/23	3/17
16	4/08	4/01	3/26	3/22	3/18	3/14	3/09	3/04	2/25

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/17	9/21	9/24	9/26	9/28	9/30	10/03	10/05	10/09
32	9/25	9/29	10/02	10/05	10/07	10/10	10/13	10/16	10/20
28	10/04	10/08	10/11	10/14	10/17	10/19	10/22	10/25	10/29
24	10/14	10/19	10/23	10/27	10/30	11/02	11/06	11/10	11/16
20	10/24	10/29	11/02	11/05	11/08	11/11	11/14	11/18	11/23
16	11/06	11/13	11/18	11/22	11/26	11/30	12/04	12/09	12/16

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	150	143	138	134	131	127	123	118	111
32	171	164	158	154	149	145	140	135	127
28	191	184	179	175	172	168	164	159	153
24	224	215	209	204	199	194	189	183	174
20	243	235	229	224	219	215	209	204	195
16	284	273	265	259	252	246	239	231	221

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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www.ncdc.noaa.gov

Station: BUCKHANNON, WV **COOP ID: 461220**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,455 Feet** **Lat: 38˚59N** **Lon: 80˚13W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1116	934	769	476	213	42	7	19	96	411	691	967	5741
60	961	794	614	330	112	9	0	2	31	275	542	812	4482
57	868	710	523	249	68	3	0	0	13	205	455	719	3813
55	806	654	466	199	46	1	0	0	6	165	400	663	3406
50	663	521	326	99	13	0	0	0	1	86	269	519	2497
32	228	142	36	0	0	0	0	0	0	1	20	137	564

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	135	133	291	514	841	1054	1217	1162	934	619	320	193	7413
55	0	0	7	23	174	365	504	449	251	70	9	6	1858
57	0	0	2	13	134	307	442	387	197	49	4	0	1535
60	0	0	0	4	85	223	349	295	125	25	1	0	1107
65	0	0	0	0	31	106	201	157	41	6	0	0	542
70	0	0	0	0	7	32	85	62	6	0	0	0	192

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	43	59	175	339	622	837	993	946	724	402	176	76	43	102	277	616	1238	2075	3068	4014	4738	5140	5316	5392
45	19	24	95	223	467	687	838	791	574	264	101	36	19	43	138	361	828	1515	2353	3144	3718	3982	4083	4119
50	1	9	48	131	323	537	683	636	427	150	45	15	1	10	58	189	512	1049	1732	2368	2795	2945	2990	3005
55	0	0	19	66	196	389	528	482	288	73	11	1	0	0	19	85	281	670	1198	1680	1968	2041	2052	2053
60	0	0	3	25	101	248	373	327	164	24	2	0	0	0	3	28	129	377	750	1077	1241	1265	1267	1267
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	32	49	132	241	403	551	671	629	467	271	124	49	32	81	213	454	857	1408	2079	2708	3175	3446	3570	3619

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: CHARLESTON YEAGER AP, WV **COOP ID: 461570**

Climate Division: WV 3 **NWS Call Sign: CRW** **Elevation: 910 Feet** **Lat: 38˚23N** **Lon: 81˚35W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	42.6	24.2	33.4	79	1950	25	44.2	1974	-16	1994	19	18.8	1977	977	0	.0	.0	9.4	7.3	23.1	1.0
Feb	47.0	26.7	36.9	79	2000	26	46.2	1976	-12	1996	5	24.1	1978	794	0	.0	.0	12.2	4.8	19.6	.2
Mar	56.6	34.0	45.3	89	1990	14	52.0	1973	0	1980	3	39.5	1971	604	7	.0	.0	21.4	.8	14.2	@
Apr	66.7	41.8	54.3	94	1990	27	59.5	1985	19+	1972	9	49.4	1975	330	25	.0	.4	27.5	@	4.8	.0
May	74.6	50.3	62.4	93+	1950	5	70.1	1991	26	1966	10	57.8	1989	141	76	.0	.7	31.0	.0	.3	.0
Jun	81.5	58.3	69.9	98+	1953	21	73.4	1984	33	1972	11	63.6	1972	19	182	.0	4.0	30.0	.0	.0	.0
Jul	84.9	62.9	73.9	104	1988	16	79.1	1999	46+	1961	10	71.1	1971	8	300	.2	8.4	31.0	.0	.0	.0
Aug	83.5	61.7	72.6	101	1988	17	77.0	1995	41	1965	29	69.0	1976	3	254	@	5.1	31.0	.0	.0	.0
Sep	77.3	55.0	66.2	102	1953	2	70.2	1998	34+	1951	29	62.4	1974	62	114	.0	1.4	30.0	.0	.0	.0
Oct	67.1	43.1	55.1	92	1951	4	63.4	1971	17	1962	27	47.9	1988	309	17	.0	.0	29.9	.0	3.2	.0
Nov	56.4	35.3	45.9	85+	1948	5	54.4	1985	6	1950	25	37.8	1976	560	3	.0	.0	20.4	.2	12.6	.0
Dec	46.8	28.2	37.5	80+	1971	10	48.0	1971	-12	1989	23	25.2	1989	837	0	.0	.0	13.0	4.3	20.2	.3
Ann	65.4	43.5	54.5	104	Jul 1988	16	79.1	Jul 1999	-16	Jan 1994	19	18.8	Jan 1977	4644	978	.2	20.0	286.8	17.4	98.0	1.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Issue Date: February 2004

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Station: CHARLESTON YEAGER AP, WV

COOP ID: 461570

Climate Division: WV 3 **NWS Call Sign: CRW** **Elevation: 910 Feet** **Lat: 38°23N** **Lon: 81°35W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.25	2.88	1.88	1950	31	6.48	1979	1.09	1981	15.8	8.2	2.0	.4	1.04	1.35	1.81	2.20	2.57	2.96	3.39	3.89	4.54	5.54	6.47
Feb	3.19	2.98	2.67	2000	18	6.05	1989	1.08	1977	14.0	8.0	1.8	.3	1.47	1.75	2.14	2.45	2.74	3.04	3.35	3.71	4.16	4.84	5.45
Mar	3.90	3.41	2.76+	1967	6	8.35	1997	1.30	1987	14.7	8.9	2.5	.7	1.43	1.80	2.33	2.77	3.18	3.61	4.08	4.62	5.31	6.37	7.34
Apr	3.25	3.63	2.47	1977	4	5.44	1973	.50	1976	13.6	8.1	2.0	.3	1.17	1.48	1.92	2.29	2.64	3.00	3.39	3.85	4.44	5.34	6.17
May	4.30	4.33	2.26	1994	7	7.40	1996	.84	1977	13.8	9.3	3.0	.8	1.61	2.01	2.59	3.07	3.53	3.99	4.50	5.08	5.83	6.98	8.03
Jun	4.09	3.57	2.24	1962	11	10.56	1998	.94	1988	12.4	8.0	2.7	1.0	1.44	1.83	2.39	2.86	3.31	3.77	4.28	4.86	5.61	6.77	7.83
Jul	4.86	4.30	5.60	1961	19	9.83	1978	1.98	1993	12.4	8.3	3.3	1.2	1.98	2.42	3.05	3.57	4.06	4.56	5.09	5.71	6.49	7.69	8.78
Aug	4.11	3.92	4.13	1958	3	10.32	1980	2.02	1985	11.1	7.3	3.1	1.0	1.63	2.01	2.55	2.99	3.41	3.84	4.30	4.84	5.51	6.55	7.50
Sep	3.45	2.91	2.38	1950	21	7.61	1971	.71	1985	10.0	6.5	2.4	.8	.97	1.29	1.79	2.22	2.64	3.08	3.57	4.15	4.90	6.07	7.17
Oct	2.67	2.49	2.15	1954	15	6.49	1983	.84	1997	9.5	6.1	1.7	.4	.78	1.04	1.42	1.75	2.07	2.40	2.77	3.21	3.77	4.65	5.47
Nov	3.66	3.52	2.47	1991	22	8.45	1985	1.02	1976	12.4	7.4	2.5	.8	1.31	1.66	2.16	2.57	2.97	3.38	3.83	4.34	5.00	6.02	6.96
Dec	3.32	2.80	2.44	1978	8	8.02	1978	1.57	1997	14.5	7.6	2.2	.4	1.35	1.65	2.09	2.44	2.77	3.11	3.48	3.90	4.43	5.25	6.00
Ann	44.05	42.83	5.60	Jul 1961	19	10.56	Jun 1998	.50	Apr 1976	154.2	93.7	29.2	8.1	34.37	36.31	38.76	40.60	42.21	43.76	45.34	47.08	49.16	52.16	54.72

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
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Station: CHARLESTON YEAGER AP, WV **COOP ID: 461570**

Climate Division: WV 3 **NWS Call Sign: CRW** **Elevation: 910 Feet** **Lat: 38°23N** **Lon: 81°35W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	13.0	11.3	1	1	15.5	1994	4	39.5	1978	23	1978	21	7	1978	8.5	3.6	1.1	.4	.2	10.7	6.0	3.0	.8
Feb	9.7	9.7	1	1	9.9	1983	11	20.1+	1985	13	1985	3	6	1985	7.0	2.9	.9	.4	.0	8.4	4.8	2.7	.3
Mar	6.6	5.4	#	1	17.1	1993	13	20.4+	1996	18	1993	14	2+	1993	4.4	2.0	.8	.2	@	3.2	1.3	.7	.1
Apr	1.3	.0	#	0	10.9	1987	4	20.7	1987	17	1987	5	1	1987	.9	.2	.2	.1	@	.3	.2	.2	.1
May	.0	.0	#	0	.6	1989	7	.6	1989	#	1989	7	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	0	0	1.5	1993	31	1.5	1993	#+	1993	31	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	2.0	.5	#	0	6.0	1995	28	13.6	1995	6	1995	29	#	1995	2.1	.8	.2	@	.0	.7	.2	@	.0
Dec	5.3	3.8	#	0	6.2	1995	7	21.9	1995	6	1995	7	1+	1995	5.2	2.1	.3	@	.0	4.8	.8	.1	.0
Ann	38.0	30.7	N/A	N/A	17.1	Mar 1993	13	39.5	Jan 1978	23	Jan 1978	21	7	Jan 1978	28.2	11.6	3.5	1.1	.2	28.1	13.3	6.7	1.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

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Climate Division: WV 3 **NWS Call Sign: CRW** **Elevation: 910 Feet** **Lat: 38˚23N** **Lon: 81˚35W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/19	5/14	5/10	5/06	5/03	4/30	4/27	4/23	4/17
32	5/08	5/02	4/28	4/25	4/22	4/19	4/16	4/12	4/07
28	4/17	4/13	4/11	4/08	4/06	4/04	4/01	3/30	3/26
24	4/08	4/03	3/31	3/28	3/25	3/22	3/19	3/15	3/10
20	3/29	3/21	3/16	3/11	3/06	3/02	2/25	2/19	2/12
16	3/14	3/07	3/02	2/26	2/22	2/18	2/14	2/09	2/02

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/29	10/03	10/06	10/08	10/11	10/13	10/16	10/19	10/23
32	10/05	10/11	10/15	10/18	10/21	10/25	10/28	11/01	11/07
28	10/16	10/21	10/25	10/28	11/01	11/04	11/07	11/11	11/17
24	10/24	10/30	11/04	11/07	11/11	11/14	11/18	11/22	11/28
20	11/08	11/15	11/20	11/24	11/28	12/02	12/06	12/11	12/18
16	11/21	11/27	12/02	12/06	12/09	12/13	12/17	12/22	12/28

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	179	172	168	164	160	156	152	147	141
32	203	196	190	186	181	177	173	167	160
28	229	222	216	212	208	204	199	194	187
24	256	247	241	235	230	225	219	213	204
20	296	286	278	272	266	260	253	246	235
16	316	307	300	295	290	284	279	272	263

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CHARLESTON YEAGER AP, WV **COOP ID: 461570**

Climate Division: WV 3 **NWS Call Sign: CRW** **Elevation: 910 Feet** **Lat: 38˚23N** **Lon: 81˚35W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	977	794	604	330	141	19	8	3	62	309	560	837	4644
60	826	648	465	200	70	4	0	0	18	212	428	697	3568
57	742	568	380	137	39	1	0	0	8	155	346	614	2990
55	683	516	326	102	24	0	0	0	4	123	293	556	2627
50	540	388	211	40	6	0	0	0	1	60	180	419	1845
32	164	79	14	0	0	0	0	0	0	0	6	91	354

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	170	219	444	695	980	1177	1342	1298	1057	742	438	246	8808
55	5	9	43	124	283	488	629	585	371	121	38	10	2706
57	3	6	32	97	232	429	567	523	315	90	26	7	2327
60	1	2	19	64	164	341	474	430	236	54	13	3	1801
65	0	0	7	25	76	182	300	254	114	17	3	0	978
70	0	0	1	5	23	92	175	139	50	3	0	0	488

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	64	106	252	470	739	945	1101	1059	824	506	245	112	64	170	422	892	1631	2576	3677	4736	5560	6066	6311	6423
45	33	58	156	333	584	795	946	904	674	359	154	61	33	91	247	580	1164	1959	2905	3809	4483	4842	4996	5057
50	11	25	90	215	432	645	791	749	525	227	89	31	11	36	126	341	773	1418	2209	2958	3483	3710	3799	3830
55	2	11	42	128	288	495	636	594	379	127	41	8	2	13	55	183	471	966	1602	2196	2575	2702	2743	2751
60	0	1	23	67	172	347	481	439	240	57	12	0	0	1	24	91	263	610	1091	1530	1770	1827	1839	1839
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	39	69	167	299	470	637	757	727	532	307	148	66	39	108	275	574	1044	1681	2438	3165	3697	4004	4152	4218

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CLARKSBURG 1, WV **COOP ID: 461677**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 990 Feet** **Lat: 39˚16N** **Lon: 80˚21W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.5	20.8	29.7	78	1973	1	38.3	1974	-24+	1994	19	15.8	1977	1095	0	.0	.0	6.7	9.3	26.1	1.9
Feb	42.2	22.2	32.2	77+	1932	12	39.6	1976	-23	1934	28	20.5	1978	918	0	.0	.0	8.8	6.4	22.8	1.2
Mar	52.3	29.2	40.8	88	1929	26	49.4	1973	-18	1934	1	34.7	1996	752	0	.0	.0	18.4	1.7	20.5	.2
Apr	63.4	37.5	50.5	93+	1957	25	54.6	1985	15	1964	1	45.4	1997	438	1	.0	.1	26.0	.0	9.4	.0
May	73.0	47.4	60.2	96	1939	27	68.5	1991	23+	1947	10	55.0	1997	196	46	.0	.2	30.8	.0	1.2	.0
Jun	81.2	56.6	68.9	99	1933	10	72.0	1994	33	1945	6	63.2	1972	29	146	.0	2.5	30.0	.0	.0	.0
Jul	84.6	61.6	73.1	102+	1930	21	76.8	1999	41	1963	9	69.7	1976	2	253	.1	5.5	31.0	.0	.0	.0
Aug	83.1	60.5	71.8	101+	1930	4	76.4	1995	39	1965	29	67.9	1976	10	221	@	3.7	31.0	.0	.0	.0
Sep	76.4	53.4	64.9	102+	1953	3	68.9	1980	29	1942	29	61.2	1976	69	66	.0	.7	30.0	.0	.1	.0
Oct	65.4	40.6	53.0	94+	1927	2	60.0	1984	14	1930	22	46.3	1988	382	9	.0	.0	29.0	.0	6.1	.0
Nov	53.6	32.3	43.0	85	1948	6	51.1	1985	-2	1930	29	35.4	1976	662	0	.0	.0	18.2	.5	16.6	.0
Dec	43.0	25.4	34.2	78	1951	8	41.8	1984	-13	1942	21	20.9	1989	955	0	.0	.0	9.5	5.5	23.3	.4
Ann	63.1	40.6	51.9	102+	Sep 1953	3	76.8	Jul 1999	-24+	Jan 1994	19	15.8	Jan 1977	5508	742	.1	12.7	269.4	23.4	126.1	3.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1926-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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Climatography of the United States No. 20 1971-2000

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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CLARKSBURG 1, WV **COOP ID: 461677**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 990 Feet** **Lat: 39°16N** **Lon: 80°21W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.49	3.41	2.11	1974	11	7.00	1994	.92	1981	16.1	8.4	2.0	.6	1.12	1.45	1.94	2.36	2.76	3.17	3.63	4.17	4.85	5.92	6.91
Feb	3.08	2.67	2.80	1994	9	6.11	1994	.78	1978	13.7	7.7	1.7	.3	1.06	1.35	1.78	2.14	2.48	2.83	3.22	3.66	4.24	5.13	5.95
Mar	4.08	4.05	2.85	1963	4	8.89	1994	1.52	1978	14.7	9.0	2.9	.9	1.70	2.07	2.59	3.02	3.42	3.83	4.27	4.78	5.42	6.40	7.29
Apr	3.48	3.45	2.10	1948	12	6.00	1973	1.19	1971	14.7	8.7	2.1	.4	1.59	1.90	2.32	2.67	2.99	3.31	3.65	4.05	4.55	5.30	5.97
May	4.53	4.37	2.88	1996	17	11.26	1996	1.57	1977	14.1	9.2	2.9	.9	1.59	2.01	2.63	3.16	3.66	4.17	4.73	5.38	6.22	7.51	8.70
Jun	4.28	3.85	3.00	1981	6	10.47	1998	1.29	1973	12.8	8.8	3.0	.8	1.42	1.82	2.42	2.93	3.41	3.92	4.47	5.11	5.94	7.22	8.40
Jul	4.26	4.17	2.47+	1936	5	9.85	1996	1.11	1987	12.8	8.2	3.0	.9	1.66	2.06	2.62	3.09	3.53	3.98	4.46	5.02	5.74	6.83	7.83
Aug	4.39	3.95	4.42	1935	3	9.27	1975	1.83	1981	11.5	7.8	3.0	.9	1.95	2.34	2.88	3.32	3.74	4.15	4.60	5.11	5.75	6.73	7.62
Sep	3.30	3.01	3.31	1971	13	6.92	1971	.67	1985	10.9	6.6	2.2	.7	.93	1.25	1.72	2.13	2.54	2.96	3.42	3.97	4.68	5.80	6.84
Oct	3.00	3.12	3.07	1954	16	7.50	1976	.67	1994	11.0	6.7	1.8	.6	.90	1.19	1.61	1.98	2.34	2.71	3.12	3.60	4.22	5.19	6.09
Nov	3.72	3.69	5.00	1985	5	11.20	1985	.72	1976	13.7	8.0	2.4	.5	1.16	1.52	2.04	2.49	2.92	3.38	3.87	4.45	5.20	6.37	7.45
Dec	3.41	2.95	2.83	1978	9	9.25	1978	1.44	1989	15.4	7.7	2.0	.7	1.26	1.58	2.04	2.42	2.79	3.16	3.56	4.03	4.63	5.55	6.39
Ann	45.02	43.22	5.00	Nov 1985	5	11.26	May 1996	.67+	Oct 1994	161.4	96.8	29.0	8.2	34.47	36.57	39.23	41.22	42.98	44.67	46.40	48.30	50.58	53.88	56.70

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
(3) Derived from 1971-2000 serially complete daily data

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Climatography of the United States No. 20 1971-2000

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www.ncdc.noaa.gov

Station: CLARKSBURG 1, WV **COOP ID: 461677**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 990 Feet** **Lat: 39°16N** **Lon: 80°21W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.2	10.5	2	2	9.0	1994	5	26.5	1996	18+	1996	10	8	1978	6.4	4.5	1.4	.6	.0	10.1	4.7	3.1	.7
Feb	7.6	5.0	2	1	8.5	1983	12	25.0	1979	18	1979	13	10	1979	4.0	2.7	.9	.3	.0	7.9	4.5	2.8	.9
Mar	3.7	1.8	#	#	14.0	1993	14	19.0	1993	18	1993	15	3	1993	1.7	1.3	.4	.2	@	2.6	1.2	.5	.1
Apr	.3	.0	#	0	5.0	1987	4	5.0	1987	5	1987	4	#+	1996	.2	.1	@	@	.0	.1	@	@	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1980	26	#	1980	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	#	4.0	1987	11	7.1	1995	4	1987	11	1	1995	.5	.3	.1	.0	.0	.5	.1	.0	.0
Dec	3.6	3.0	#	#	3.0	1973	21	11.4	1989	7	1993	29	2	1989	2.8	1.9	.2	.0	.0	3.8	.7	.1	.0
Ann	27.2	20.3	N/A	N/A	14.0	Mar 1993	14	26.5	Jan 1996	18+	Jan 1996	10	10	Feb 1979	15.6	10.8	3.0	1.1	@	25.0	11.2	6.5	1.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: CLARKSBURG 1, WV **COOP ID: 461677**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 990 Feet** **Lat: 39˚16N** **Lon: 80˚21W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/28	5/22	5/18	5/14	5/11	5/08	5/04	4/30	4/24
32	5/14	5/09	5/06	5/03	4/30	4/27	4/25	4/21	4/17
28	4/24	4/21	4/18	4/16	4/13	4/11	4/09	4/06	4/02
24	4/16	4/11	4/08	4/05	4/02	3/31	3/28	3/24	3/20
20	4/08	3/31	3/26	3/21	3/17	3/13	3/09	3/03	2/24
16	3/21	3/15	3/11	3/07	3/03	2/28	2/24	2/20	2/13

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/26	9/29	10/01	10/03	10/05	10/07	10/09	10/11	10/15
32	10/04	10/08	10/11	10/14	10/16	10/19	10/21	10/24	10/29
28	10/15	10/21	10/24	10/28	10/31	11/03	11/06	11/10	11/15
24	10/23	10/28	11/02	11/05	11/08	11/12	11/15	11/19	11/25
20	11/07	11/13	11/17	11/21	11/24	11/28	12/02	12/06	12/12
16	11/19	11/26	12/01	12/05	12/09	12/13	12/17	12/22	12/29

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	166	159	154	150	146	143	139	134	127
32	186	180	176	172	168	165	161	157	151
28	220	213	208	204	200	196	191	186	179
24	242	234	229	224	219	215	210	205	197
20	278	269	262	257	251	246	240	234	225
16	304	296	290	285	280	275	270	264	255

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: CLARKSBURG 1, WV **COOP ID: 461677**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 990 Feet** **Lat: 39˚16N** **Lon: 80˚21W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1095	918	752	438	196	29	2	10	69	382	662	955	5508
60	940	778	597	294	104	6	0	0	20	251	513	800	4303
57	847	694	508	216	64	2	0	0	7	185	427	707	3657
55	785	638	450	169	43	1	0	0	4	147	372	648	3257
50	641	506	312	78	13	0	0	0	0	74	244	505	2373
32	208	130	33	0	0	0	0	0	0	0	14	123	508

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	136	136	304	553	873	1107	1274	1234	988	650	342	191	7788
55	0	0	8	32	203	418	561	521	301	84	10	3	2141
57	0	0	3	19	162	359	499	459	245	59	5	0	1810
60	0	0	0	7	109	273	406	366	167	32	1	0	1361
65	0	0	0	1	46	146	253	221	66	9	0	0	742
70	0	0	0	0	14	56	119	105	15	1	0	0	310

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	37	55	152	349	642	876	1033	993	755	415	173	62	37	92	244	593	1235	2111	3144	4137	4892	5307	5480	5542
45	14	22	87	228	488	726	878	838	605	277	96	31	14	36	123	351	839	1565	2443	3281	3886	4163	4259	4290
50	2	5	40	132	338	576	723	683	456	159	46	10	2	7	47	179	517	1093	1816	2499	2955	3114	3160	3170
55	0	0	16	68	211	427	568	529	314	76	14	1	0	0	16	84	295	722	1290	1819	2133	2209	2223	2224
60	0	0	5	28	112	283	413	374	188	27	2	0	0	0	5	33	145	428	841	1215	1403	1430	1432	1432
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	30	41	118	233	405	576	700	669	479	263	115	40	30	71	189	422	827	1403	2103	2772	3251	3514	3629	3669

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CRESTON, WV **COOP ID: 462054**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 650 Feet** **Lat: 38˚58N** **Lon: 81˚16W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.0	19.7	30.4	80	1950	26	40.5	1989	-30	1994	20	16.0	1977	1075	0	.0	.0	8.2	7.8	26.6	2.7
Feb	45.5	21.3	33.4	80	2000	27	40.6	1998	-20	1996	6	20.1	1978	885	0	.0	.0	10.6	5.0	23.6	2.0
Mar	55.9	28.3	42.1	90	1989	29	50.9	1973	-6+	1993	15	34.5	1984	709	0	.0	@	20.4	1.0	21.5	.2
Apr	66.7	36.2	51.5	95	1986	29	58.9	1986	12	1969	1	46.1	1975	409	4	.0	.4	27.3	@	11.9	.0
May	75.9	46.5	61.2	97	1949	20	69.2	1991	21+	1966	10	56.2	1997	191	74	.0	1.7	30.9	.0	2.0	.0
Jun	83.4	56.0	69.7	103	1988	26	75.4	1987	32+	1966	2	62.7	1972	35	176	.1	5.3	30.0	.0	.0	.0
Jul	86.6	61.1	73.9	106	1988	17	79.8	1987	42+	1963	9	68.7	1984	11	285	.5	9.4	31.0	.0	.0	.0
Aug	85.1	60.3	72.7	105	1988	18	79.6	1988	37+	1965	29	68.0	1982	16	255	.2	6.6	31.0	.0	.0	.0
Sep	78.9	52.9	65.9	104+	1953	2	70.8	1986	29	1983	24	60.3	1984	78	105	.0	2.0	30.0	.0	.1	.0
Oct	68.2	39.6	53.9	94	1953	1	60.9	1984	14	1952	21	47.8	1976	360	16	.0	@	30.3	.0	8.2	.0
Nov	56.4	30.8	43.6	86	1961	4	55.5	1985	2	1958	30	35.6	1976	642	0	.0	.0	20.4	.2	18.1	.0
Dec	45.6	24.1	34.9	80	1982	4	42.0	1984	-19+	1989	22	21.1	1989	934	0	.0	.0	11.2	4.4	24.0	.6
Ann	65.8	39.7	52.8	106	Jul 1988	17	79.8	Jul 1987	-30	Jan 1994	20	16.0	Jan 1977	5345	915	.8	25.4	281.3	18.4	136.0	5.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: CRESTON, WV **COOP ID: 462054**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 650 Feet** **Lat: 38°58N** **Lon: 81°16W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.63	3.18	2.38	1999	22	7.15	1996	1.22	2000	13.7	8.8	2.3	.6	1.14	1.48	1.99	2.43	2.85	3.29	3.77	4.34	5.07	6.21	7.26
Feb	3.24	3.28	3.24	2000	19	6.54	1989	.79	1977	11.3	7.7	1.9	.4	1.16	1.46	1.90	2.27	2.63	2.99	3.39	3.85	4.44	5.34	6.18
Mar	3.99	3.70	2.72	1967	6	8.47	1997	1.87	1971	12.7	8.9	2.7	.8	1.70	2.06	2.57	2.98	3.37	3.76	4.19	4.67	5.29	6.22	7.07
Apr	3.36	3.52	2.10	1972	22	6.38	1972	.60	1971	12.8	8.1	2.0	.5	1.33	1.64	2.08	2.44	2.79	3.14	3.52	3.96	4.51	5.37	6.15
May	4.54	4.56	2.15	1985	3	8.33	1996	1.22	1987	12.7	8.8	3.4	.9	1.64	2.07	2.68	3.20	3.69	4.20	4.75	5.39	6.21	7.47	8.62
Jun	4.36	4.25	2.98	1998	28	9.91	1998	.41	1984	11.3	8.1	3.1	.8	1.26	1.68	2.30	2.84	3.37	3.92	4.52	5.24	6.16	7.61	8.96
Jul	4.79	4.17	3.26	1983	24	11.97	1980	1.77	1993	11.2	8.5	3.5	1.1	1.83	2.28	2.91	3.44	3.94	4.45	5.01	5.65	6.47	7.72	8.87
Aug	4.16	3.93	4.44	1969	10	8.02	1980	1.46	1988	9.8	7.3	2.7	1.1	1.66	2.04	2.59	3.04	3.46	3.89	4.36	4.90	5.59	6.64	7.59
Sep	3.55	3.13	2.64	1996	7	8.49	1971	.26	1983	8.7	6.2	2.5	1.0	.84	1.18	1.70	2.16	2.62	3.11	3.65	4.30	5.15	6.51	7.78
Oct	3.12	2.98	3.21	1954	16	7.88	1983	.43	1994	9.8	6.4	2.1	.6	.73	1.03	1.48	1.89	2.30	2.73	3.21	3.78	4.54	5.73	6.86
Nov	3.57	3.36	2.64	1985	5	8.63	1985	.95	1976	11.4	7.9	2.5	.6	1.39	1.72	2.19	2.58	2.95	3.33	3.73	4.20	4.80	5.72	6.55
Dec	3.60	3.14	3.58	1978	9	10.23	1978	1.55	2000	12.5	8.0	2.2	.6	1.42	1.76	2.23	2.62	2.99	3.36	3.77	4.24	4.84	5.75	6.58
Ann	45.91	45.10	4.44	Aug 1969	10	11.97	Jul 1980	.26	Sep 1983	137.9	94.7	30.9	9.0	34.77	36.98	39.78	41.89	43.75	45.54	47.37	49.39	51.82	55.32	58.33

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Station: CRESTON, WV **COOP ID: 462054**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 650 Feet** **Lat: 38°58N** **Lon: 81°16W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.8	3.0	1	1	11.5	1996	8	27.8	1994	18	1996	8	8	1978	4.8	2.6	.7	.3	@	4.7	1.9	.9	.3
Feb	4.9	3.4	1	#	7.5	1986	11	17.3	1979	13	1985	2	9	1978	3.0	1.7	.5	.2	.0	2.7	.8	.4	.0
Mar	3.2	1.0	#	#	10.0	1993	14	14.9	1993	15	1993	14	2	1993	1.5	.9	.5	.1	@	1.1	.4	.2	.0
Apr	.4	.0	#	0	5.0	1987	5	8.0	1987	8	1987	5	#+	1996	.2	.1	.1	@	.0	@	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1977	17	#	1977	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.6	.0	#	0	5.4	1995	15	6.8	1995	2	1995	16	#+	2000	.6	.2	@	@	.0	@	.0	.0	.0
Dec	1.7	.8	#	#	3.0	1981	22	7.1	1993	5	1993	30	2	1989	2.7	1.0	.1	.0	.0	.9	.2	.0	.0
Ann	17.6	8.2	N/A	N/A	11.5	Jan 1996	8	27.8	Jan 1994	18	Jan 1996	8	9	Feb 1978	12.8	6.5	1.9	.6	@	9.4	3.3	1.5	.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 2 **NWS Call Sign:** **Elevation: 650 Feet** **Lat: 38˚58N** **Lon: 81˚16W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/29	5/24	5/20	5/16	5/13	5/10	5/06	5/02	4/27
32	5/16	5/11	5/08	5/05	5/03	4/30	4/28	4/25	4/20
28	5/09	5/04	4/30	4/27	4/24	4/21	4/18	4/14	4/09
24	4/23	4/18	4/14	4/11	4/09	4/06	4/03	3/30	3/26
20	4/16	4/10	4/07	4/04	4/01	3/29	3/26	3/22	3/17
16	4/02	3/26	3/20	3/16	3/12	3/08	3/03	2/26	2/19

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/23	9/27	9/30	10/02	10/05	10/07	10/09	10/12	10/16
32	9/29	10/04	10/08	10/11	10/14	10/17	10/20	10/23	10/29
28	10/08	10/13	10/17	10/21	10/24	10/27	10/30	11/03	11/09
24	10/17	10/22	10/26	10/30	11/02	11/05	11/09	11/13	11/19
20	10/23	10/29	11/03	11/07	11/10	11/14	11/18	11/22	11/28
16	11/08	11/14	11/19	11/23	11/26	11/30	12/04	12/09	12/15

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	165	157	152	148	144	140	135	130	123
32	182	176	171	167	163	159	155	150	144
28	204	196	191	186	182	178	173	168	160
24	228	221	215	211	207	203	198	193	186
20	251	241	234	228	223	217	211	204	194
16	284	275	269	264	259	254	249	243	234

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: CRESTON, WV **COOP ID: 462054**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 650 Feet** **Lat: 38˚58N** **Lon: 81˚16W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1075	885	709	409	191	35	11	16	78	360	642	934	5345
60	920	745	558	273	107	9	0	2	29	235	497	779	4154
57	827	661	472	201	69	3	0	0	13	174	415	688	3523
55	770	606	415	160	49	2	0	0	7	138	361	633	3141
50	625	477	286	78	18	0	0	0	1	71	242	489	2287
32	211	123	32	0	0	0	0	0	0	0	20	120	506

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	159	162	345	585	906	1131	1297	1262	1016	680	368	209	8120
55	5	2	16	54	242	442	584	549	333	105	19	8	2359
57	0	0	11	36	199	384	522	487	279	78	13	2	2011
60	0	0	4	18	145	300	429	396	205	47	5	0	1549
65	0	0	0	4	74	176	285	255	105	16	0	0	915
70	0	0	0	0	30	85	161	140	41	3	0	0	460

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	41	57	171	364	665	896	1061	1022	784	442	187	68	41	98	269	633	1298	2194	3255	4277	5061	5503	5690	5758
45	12	26	93	244	510	746	906	867	634	302	111	31	12	38	131	375	885	1631	2537	3404	4038	4340	4451	4482
50	3	7	47	148	363	596	751	712	485	179	54	12	3	10	57	205	568	1164	1915	2627	3112	3291	3345	3357
55	0	0	21	78	229	451	596	557	343	92	20	0	0	0	21	99	328	779	1375	1932	2275	2367	2387	2387
60	0	0	4	34	127	306	441	402	214	41	4	0	0	0	4	38	165	471	912	1314	1528	1569	1573	1573
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	34	55	146	268	438	590	714	684	514	305	140	52	34	89	235	503	941	1531	2245	2929	3443	3748	3888	3940

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: DUNLOW 1 SW, WV **COOP ID: 462522**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 1,200 Feet** **Lat: 37˚57N** **Lon: 82˚24W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.6	22.5	31.6	73+	1972	13	40.4+	1990	-20	1994	20	16.8	1977	1038	0	.0	.0	8.5	7.8	24.3	1.3
Feb	46.0	25.0	35.5	80	1977	26	45.1	1976	-10	1979	10	24.6	1978	826	0	.0	.0	11.5	4.3	20.3	.5
Mar	55.6	32.3	44.0	87+	1973	14	52.2	1973	2	1986	8	37.4+	1996	652	0	.0	.0	21.3	1.0	15.6	.1
Apr	66.4	41.7	54.1	90	1986	28	59.5	1991	11	1987	1	48.7	1997	333	5	.0	@	27.3	.1	6.4	.0
May	74.0	50.3	62.2	90	1986	8	69.1	1991	26	1986	4	57.0	1997	152	64	.0	@	30.9	.0	.6	.0
Jun	80.4	58.8	69.6	94+	1978	27	73.6	1971	36	1977	10	65.3	1972	23	160	.0	1.2	30.0	.0	.0	.0
Jul	84.0	63.1	73.6	100+	1988	9	77.5	1999	43	1986	4	69.3	1984	2	266	.1	4.2	31.0	.0	.0	.0
Aug	82.3	61.7	72.0	100	1988	18	76.5	1995	33+	1986	29	68.6	1992	9	227	@	2.7	31.0	.0	.0	.0
Sep	76.5	54.3	65.4	97	1973	1	71.1	1978	27	1989	24	61.5	1984	81	93	.0	.8	30.0	.0	.1	.0
Oct	66.1	42.5	54.3	86	1975	14	62.0	1971	19	1976	28	48.3	1988	345	13	.0	.0	29.7	.0	4.4	.0
Nov	55.3	34.6	45.0	82	1975	3	50.7	1994	1	1986	14	37.8	1976	602	0	.0	.0	19.6	.5	12.7	.0
Dec	45.0	26.1	35.6	78	1982	4	45.2	1971	-15	1983	25	23.3	1989	914	0	.0	.0	12.3	4.9	21.2	.6
Ann	64.4	42.7	53.6	100+	Aug 1988	18	77.5	Jul 1999	-20	Jan 1994	20	16.8	Jan 1977	4977	828	.1	8.9	283.1	18.6	105.6	2.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Station: DUNLOW 1 SW, WV

COOP ID: 462522

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 1,200 Feet** **Lat: 37°57N** **Lon: 82°24W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.30	2.65	2.08	1999	9	6.80	1979	1.15	1986	12.1	8.3	2.4	.4	1.01	1.33	1.79	2.19	2.58	2.99	3.43	3.95	4.63	5.68	6.65
Feb	3.21	3.06	2.07	1972	26	7.65	1989	.74	1987	10.6	7.3	2.0	.6	.99	1.30	1.75	2.14	2.51	2.91	3.34	3.84	4.49	5.51	6.45
Mar	3.88	3.31	2.12	1989	6	9.70	1994	.85	1986	11.9	9.3	2.6	.6	1.25	1.62	2.16	2.63	3.07	3.53	4.04	4.63	5.40	6.59	7.68
Apr	3.77	3.85	2.11	1977	5	7.07	1972	.82	1976	10.5	8.2	2.6	.7	1.58	1.92	2.41	2.80	3.17	3.55	3.95	4.42	5.01	5.91	6.72
May	4.92	4.61	2.70	1996	16	10.71	1996	1.63	1999	11.4	9.5	3.5	1.2	2.15	2.59	3.21	3.71	4.18	4.65	5.16	5.74	6.47	7.58	8.59
Jun	4.20	4.15	2.80	1993	5	7.62	1989	.87	1980	10.5	7.7	2.8	.9	1.57	1.97	2.53	3.00	3.44	3.90	4.39	4.96	5.69	6.82	7.84
Jul	4.74	4.54	2.64	2000	11	7.81	1979	2.32	1973	10.3	8.4	3.7	1.3	2.62	2.99	3.49	3.88	4.24	4.59	4.97	5.39	5.91	6.68	7.37
Aug	3.83	3.82	2.90	1978	31	8.64	1978	.92	1971	8.5	6.3	2.8	1.1	1.20	1.57	2.11	2.57	3.02	3.48	3.99	4.58	5.35	6.54	7.65
Sep	3.39	3.23	3.06	1972	30	7.56	1975	.50	1985	8.0	6.2	2.2	1.0	.86	1.18	1.67	2.11	2.54	3.00	3.50	4.10	4.89	6.13	7.29
Oct	2.98	2.81	1.68	1989	17	6.31	1983	.51	2000	7.8	6.0	2.2	.7	.92	1.20	1.62	1.98	2.33	2.70	3.10	3.57	4.18	5.13	6.00
Nov	3.73	3.49	4.17	1973	28	8.69	1973	1.26	1976	9.9	7.7	2.4	.7	1.33	1.68	2.19	2.62	3.03	3.45	3.90	4.43	5.11	6.15	7.11
Dec	3.76	3.16	3.85	1978	9	11.57	1978	1.00	1989	11.0	7.6	2.5	.6	1.24	1.60	2.12	2.57	3.00	3.44	3.92	4.49	5.22	6.35	7.39
Ann	45.71	44.69	4.17	Nov 1973	28	11.57	Dec 1978	.50	Sep 1985	122.5	92.5	31.7	9.8	33.85	36.18	39.15	41.39	43.37	45.28	47.24	49.40	52.02	55.79	59.03

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
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Climatography of the United States No. 20 1971-2000

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Station: DUNLOW 1 SW, WV **COOP ID: 462522**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 1,200 Feet** **Lat: 37°57N** **Lon: 82°24W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.3	9.1	1	#	12.0	1994	18	28.3	1978	21	1978	21	9	1978	3.3	2.4	.6	.2	.0	5.2	2.2	1.8	.9
Feb	6.6	4.5	1	#	8.0	1998	6	21.7	1979	13	1998	6	6	1978	2.5	1.7	.4	.1	.0	5.4	3.2	1.7	.5
Mar	1.5	.1	#	#	5.0	1999	4	5.2	1978	18	1993	14	2	1993	.9	.6	.2	@	.0	1.1	.6	.1	.0
Apr	.0	.0	#	0	.5	1974	6	.5	1974	1	1974	6	#+	1996	@	.0	.0	.0	.0	@	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	.2	1972	19	.2	1972	#+	1974	20	#+	1974	@	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.5	.0	#	0	3.0	1993	1	5.0	1976	5	1995	29	1	1995	.4	.3	@	.0	.0	.3	@	.0	.0
Dec	1.9	1.4	#	#	4.0	1972	1	5.8	1974	6	1995	7	2	1989	1.0	.8	.1	.0	.0	1.5	.3	.1	.0
Ann	18.8	15.1	N/A	N/A	12.0	Jan 1994	18	28.3	Jan 1978	21	Jan 1978	21	9	Jan 1978	8.1	5.8	1.3	.3	.0	13.5	6.3	3.7	1.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 1,200 Feet** **Lat: 37˚57N** **Lon: 82˚24W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/23	5/16	5/11	5/07	5/04	4/30	4/26	4/21	4/14
32	5/10	5/05	4/30	4/27	4/23	4/20	4/16	4/12	4/06
28	4/29	4/23	4/18	4/14	4/11	4/07	4/03	3/30	3/23
24	4/17	4/11	4/06	4/02	3/29	3/25	3/21	3/17	3/10
20	4/10	4/01	3/26	3/21	3/16	3/11	3/05	2/27	2/18
16	3/30	3/20	3/13	3/07	3/02	2/24	2/18	2/12	2/02

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/16	9/23	9/27	10/01	10/05	10/09	10/13	10/17	10/24
32	9/27	10/04	10/08	10/12	10/16	10/19	10/23	10/28	11/03
28	10/06	10/12	10/17	10/21	10/25	10/29	11/02	11/07	11/14
24	10/19	10/27	11/02	11/06	11/11	11/15	11/20	11/25	12/03
20	11/03	11/11	11/16	11/21	11/25	11/29	12/04	12/09	12/17
16	11/22	11/29	12/04	12/08	12/12	12/15	12/20	12/24	12/31

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	185	174	166	160	154	148	141	133	123
32	202	193	186	180	175	169	163	156	147
28	224	215	208	202	197	192	186	179	170
24	260	248	240	232	226	219	212	203	191
20	286	275	267	260	254	247	241	233	222
16	319	307	298	291	284	277	270	261	249

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 1,200 Feet** **Lat: 37˚57N** **Lon: 82˚24W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1038	826	652	333	152	23	2	9	81	345	602	914	4977
60	883	686	504	203	73	4	0	0	30	219	457	759	3818
57	793	603	419	139	40	1	0	0	13	158	374	676	3216
55	737	549	365	104	25	0	0	0	7	123	321	618	2849
50	592	420	245	41	6	0	0	0	1	57	206	478	2046
32	194	87	22	0	0	0	0	0	0	0	12	128	443

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	179	184	393	662	934	1128	1288	1241	1002	691	400	238	8340
55	10	3	23	76	246	438	575	528	319	101	19	14	2352
57	3	0	15	51	199	379	513	466	265	74	12	10	1987
60	0	0	8	25	139	292	420	373	191	43	5	0	1496
65	0	0	0	5	64	160	266	227	93	13	0	0	828
70	0	0	0	0	21	65	130	108	33	2	0	0	359

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	60	101	239	448	698	901	1050	1007	777	474	238	100	60	161	400	848	1546	2447	3497	4504	5281	5755	5993	6093
45	28	54	145	315	543	751	895	852	628	330	149	51	28	82	227	542	1085	1836	2731	3583	4211	4541	4690	4741
50	11	26	79	207	395	601	740	697	479	210	82	21	11	37	116	323	718	1319	2059	2756	3235	3445	3527	3548
55	2	8	37	118	259	453	585	542	339	113	40	6	2	10	47	165	424	877	1462	2004	2343	2456	2496	2502
60	0	1	15	61	144	307	430	387	210	51	11	1	0	1	16	77	221	528	958	1345	1555	1606	1617	1618
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	35	63	160	290	442	603	725	682	502	286	139	56	35	98	258	548	990	1593	2318	3000	3502	3788	3927	3983

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: ELKINS AP, WV **COOP ID: 462718**

Climate Division: WV 4 **NWS Call Sign: EKN** **Elevation: 1,948 Feet** **Lat: 38˚53N** **Lon: 79˚51W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.3	18.0	28.6	76	1950	25	39.5	1974	-24	1984	20	15.4	1977	1133	0	.0	.0	6.8	9.8	26.5	3.9
Feb	43.5	19.7	31.6	77	1932	11	39.5	1976	-22+	1977	8	17.1	1978	951	0	.0	.0	9.2	7.2	23.8	2.4
Mar	53.2	26.9	40.0	86	1929	25	48.6	1973	-15	1978	2	31.8	1999	790	0	.0	.0	17.9	2.3	21.6	.5
Apr	63.2	34.6	48.9	89	1986	28	53.9	1994	3	1985	10	44.0	1997	498	2	.0	.0	25.0	.3	13.1	.0
May	71.7	44.1	57.9	93	1996	19	65.2	1991	20+	1966	10	52.4	1997	251	16	.0	.1	30.6	.0	3.4	.0
Jun	78.5	52.7	65.6	93+	1933	9	69.4	1971	25	1977	8	61.4	1972	70	76	.0	.3	30.0	.0	.1	.0
Jul	81.7	57.6	69.6	99	1988	16	72.9	1993	32	1988	1	66.4	1996	15	153	.0	1.4	31.0	.0	@	.0
Aug	80.4	56.7	68.5	95+	1936	22	73.2	1995	34	1965	29	65.4	1982	23	126	.0	1.3	31.0	.0	.0	.0
Sep	74.1	50.1	62.1	97	1953	3	66.7	1971	26	1942	29	59.2	1984	134	41	.0	@	29.9	.0	.6	.0
Oct	64.1	37.0	50.6	87	1927	2	59.3	1984	10	1944	27	44.2	1988	456	2	.0	.0	28.2	.0	11.5	.0
Nov	52.8	29.3	41.0	80+	1946	3	50.9	1985	-8	1930	29	32.9	1976	719	0	.0	.0	18.1	1.6	19.7	.0
Dec	43.5	21.9	32.7	76	1951	7	41.6	1984	-24	1989	23	18.0	1989	996	0	.0	.0	9.9	6.1	25.0	1.7
Ann	62.2	37.4	49.8	99	Jul 1988	16	73.2	Aug 1995	-24+	Dec 1989	23	15.4	Jan 1977	6036	416	.0	3.1	267.6	27.3	145.3	8.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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COOP ID: 462718

Climate Division: WV 4 **NWS Call Sign: EKN** **Elevation: 1,948 Feet** **Lat: 38°53N** **Lon: 79°51W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.43	3.58	1.76	1999	21	6.27	1999	1.15	1981	18.0	9.5	1.5	.2	1.38	1.69	2.14	2.51	2.86	3.21	3.59	4.03	4.59	5.44	6.22
Feb	3.20	2.93	2.75	1932	4	6.51	1994	.79	1978	15.8	8.6	1.6	.3	1.27	1.57	1.99	2.33	2.66	2.99	3.35	3.76	4.29	5.09	5.83
Mar	3.92	3.46	3.32	1936	17	7.42	1997	1.50	1987	16.3	9.6	2.3	.4	1.79	2.13	2.61	3.00	3.36	3.72	4.11	4.56	5.12	5.97	6.73
Apr	3.53	3.42	2.12	1937	25	6.95	1972	1.02	1971	15.1	9.1	2.1	.3	1.54	1.86	2.30	2.66	2.99	3.33	3.70	4.11	4.64	5.44	6.16
May	4.77	4.27	3.35	1996	16	15.76	1996	1.94	1976	14.8	10.1	2.8	.7	1.77	2.22	2.86	3.39	3.90	4.42	4.98	5.64	6.48	7.76	8.94
Jun	4.61	4.52	3.62	1947	8	10.05	1998	1.66	1988	14.4	9.3	3.4	1.0	1.66	2.09	2.72	3.24	3.74	4.26	4.82	5.47	6.30	7.58	8.76
Jul	4.84	4.53	3.71	1935	8	12.02	1996	1.31	1987	14.3	9.1	3.2	1.0	1.58	2.04	2.71	3.29	3.84	4.41	5.04	5.77	6.72	8.18	9.54
Aug	4.26	3.85	2.85	1969	9	10.40	1980	1.09	1976	12.9	8.3	3.1	.7	1.57	1.97	2.54	3.02	3.48	3.95	4.45	5.04	5.79	6.95	8.01
Sep	3.83	3.69	2.78	1998	7	8.88	2000	.32	1985	12.0	7.8	2.3	.9	.97	1.33	1.89	2.38	2.87	3.38	3.95	4.62	5.51	6.90	8.21
Oct	2.86	2.49	4.17	1929	2	6.28	1976	.43	1994	11.5	6.7	1.6	.3	.76	1.03	1.44	1.81	2.16	2.54	2.96	3.45	4.10	5.12	6.07
Nov	3.42	3.29	5.02	1985	4	11.08	1985	1.19	1976	14.0	8.0	2.1	.5	1.16	1.49	1.96	2.36	2.74	3.14	3.57	4.07	4.72	5.72	6.64
Dec	3.44	3.19	1.92+	1948	15	6.73	1978	1.65	1971	17.3	8.7	1.9	.4	1.58	1.89	2.30	2.64	2.96	3.27	3.61	4.00	4.48	5.22	5.88
Ann	46.11	45.53	5.02	Nov 1985	4	15.76	May 1996	.32	Sep 1985	176.4	104.8	27.9	6.7	34.61	36.88	39.76	41.93	43.85	45.69	47.59	49.67	52.18	55.81	58.92

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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	23.4	23.0	2	1	18.1	1996	7	45.0	1994	20+	1977	26	12	1977	13.0	6.7	2.7	1.0	.1	14.9	9.6	6.7	2.3
Feb	17.6	15.1	2	2	12.8	1983	11	35.6	1986	17+	1977	2	9	1977	10.6	5.9	1.9	.5	@	12.6	8.3	5.1	1.3
Mar	12.7	11.7	1	1	16.9	1993	13	33.5+	1993	18	1993	14	4	1978	7.8	4.0	1.6	.5	@	5.7	2.6	1.3	.4
Apr	5.2	3.3	#	0	8.8	1987	4	24.8	1987	10+	1987	5	1	1987	3.5	1.6	.4	.3	.0	1.1	.3	.2	.1
May	.0	.0	#	0	.5	1989	7	.5	1989	#	1989	7	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#	1992	14	#	1992	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	#	0	.0	0	0	.0	0	#	1992	20	#	1992	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	#	0	.0	0	0	.0	0	#	1991	8	#	1991	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.6	.0	#	0	3.2	1979	10	3.9	1979	2	1979	10	#	1993	.5	.2	.1	.0	.0	.1	.0	.0	.0
Nov	5.9	4.0	#	0	6.0	1995	14	23.7	1995	7+	1995	17	1+	1995	4.9	2.4	.4	.1	.0	3.0	.9	.2	.0
Dec	14.3	10.5	1	1	10.8	1973	9	36.7	1993	9+	1993	27	4	1989	9.8	4.8	1.3	.4	@	9.0	4.6	1.9	.0
Ann	79.7	67.6	N/A	N/A	18.1	Jan 1996	7	45.0	Jan 1994	20+	Jan 1977	26	12	Jan 1977	50.1	25.6	8.4	2.8	.1	46.4	26.3	15.4	4.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Climatography of the United States No. 20 1971-2000

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ELKINS AP, WV **COOP ID: 462718**

Climate Division: WV 4 **NWS Call Sign: EKN** **Elevation: 1,948 Feet** **Lat: 38˚53N** **Lon: 79˚51W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/17	6/10	6/06	6/02	5/29	5/25	5/21	5/16	5/10
32	6/04	5/28	5/24	5/20	5/16	5/12	5/08	5/04	4/27
28	5/17	5/13	5/09	5/06	5/04	5/01	4/28	4/25	4/20
24	5/08	5/03	4/30	4/27	4/24	4/21	4/18	4/14	4/10
20	4/24	4/19	4/16	4/13	4/11	4/08	4/05	4/02	3/29
16	4/11	4/06	4/03	3/31	3/28	3/25	3/22	3/19	3/14

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/17	9/20	9/22	9/25	9/27	9/30	10/03	10/07
32	9/23	9/27	9/29	10/02	10/04	10/06	10/08	10/10	10/14
28	10/04	10/08	10/10	10/13	10/15	10/17	10/20	10/22	10/26
24	10/08	10/13	10/17	10/20	10/23	10/26	10/29	11/02	11/07
20	10/17	10/22	10/26	10/29	10/31	11/03	11/06	11/10	11/14
16	10/27	11/02	11/07	11/10	11/14	11/18	11/21	11/26	12/02

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	141	133	127	123	118	114	109	104	96
32	159	153	148	144	140	136	132	127	120
28	181	175	171	167	164	160	157	153	147
24	202	195	190	185	181	177	173	168	161
20	221	215	210	206	203	199	195	191	185
16	255	247	240	235	230	225	220	214	205

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: ELKINS AP, WV **COOP ID: 462718**

Climate Division: WV 4 **NWS Call Sign: EKN** **Elevation: 1,948 Feet** **Lat: 38˚53N** **Lon: 79˚51W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1133	951	790	498	251	70	15	23	134	456	719	996	6036
60	973	795	620	335	133	13	0	3	44	313	570	846	4645
57	880	711	530	252	84	4	0	0	20	239	483	753	3956
55	818	655	473	201	59	2	0	0	11	196	429	697	3541
50	674	523	333	97	18	0	0	0	2	109	296	552	2604
32	236	140	40	0	0	0	0	0	0	2	29	160	607

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	100	124	284	498	791	997	1158	1125	897	571	295	151	6991
55	1	1	10	44	142	313	445	412	227	47	10	3	1655
57	0	1	7	29	106	258	384	351	179	30	6	1	1352
60	0	0	3	13	62	181	292	261	117	13	2	0	944
65	0	0	0	2	16	76	153	126	41	2	0	0	416
70	0	0	0	0	2	15	46	32	6	0	0	0	101

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	34	46	134	291	555	767	919	884	662	343	144	61	34	80	214	505	1060	1827	2746	3630	4292	4635	4779	4840
45	9	21	72	179	401	617	764	729	515	216	76	30	9	30	102	281	682	1299	2063	2792	3307	3523	3599	3629
50	1	2	34	100	261	469	609	574	368	114	35	11	1	3	37	137	398	867	1476	2050	2418	2532	2567	2578
55	0	0	9	46	148	324	454	421	234	51	10	0	0	0	9	55	203	527	981	1402	1636	1687	1697	1697
60	0	0	1	13	65	189	301	270	123	13	1	0	0	0	1	14	79	268	569	839	962	975	976	976
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	27	44	109	212	353	494	612	580	415	237	106	42	27	71	180	392	745	1239	1851	2431	2846	3083	3189	3231

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: FAIRMONT, WV **COOP ID: 462920**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,300 Feet** **Lat: 39˚28N** **Lon: 80˚08W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	37.9	20.4	29.2	78	1932	15	38.4	1990	-21	1994	20	16.0	1977	1112	0	.0	.0	6.0	10.5	26.2	2.0
Feb	42.1	21.9	32.0	78	1932	12	40.5	1976	-12	1934	28	20.8	1978	924	0	.0	.0	8.3	7.0	22.9	1.0
Mar	52.7	29.6	41.2	91+	1929	26	49.7	1973	-10	1934	1	33.9	1996	740	0	.0	.0	18.0	2.0	19.3	.1
Apr	63.7	38.4	51.1	93	1942	30	55.7	1985	16+	1972	9	46.1	1997	420	1	.0	.1	26.1	.1	8.2	.0
May	72.5	48.6	60.6	100	1934	21	67.3	1991	25+	1977	11	54.6	1994	190	52	.0	.1	30.7	.0	1.2	.0
Jun	79.9	56.7	68.3	102	1934	29	72.0	1984	35+	1966	2	62.8	1972	35	134	.0	1.4	30.0	.0	.0	.0
Jul	83.3	61.1	72.2	105+	1934	25	75.7	1999	42	1988	1	68.6	2000	3	227	@	4.4	31.0	.0	.0	.0
Aug	82.1	59.6	70.9	107	1930	5	75.6	1995	36	1982	29	67.5	1992	14	195	.0	2.7	31.0	.0	.0	.0
Sep	75.6	53.1	64.4	101	1932	2	68.2	1977	29	1983	24	61.1	1997	81	61	.0	.6	30.0	.0	.2	.0
Oct	64.6	41.5	53.1	93	1927	3	60.8	1984	17	1976	28	46.5	1988	381	9	.0	.0	28.6	.0	5.2	.0
Nov	52.8	33.4	43.1	84+	1933	2	49.7	1985	1	1929	30	35.9	1976	658	0	.0	.0	17.7	1.1	15.4	.0
Dec	42.4	25.5	34.0	75+	1951	7	43.1	1984	-16	1983	25	20.9	1989	964	0	.0	.0	8.9	6.7	23.9	.7
Ann	62.5	40.8	51.7	107	Aug 1930	5	75.7	Jul 1999	-21	Jan 1994	20	16.0	Jan 1977	5522	679	@	9.3	266.3	27.4	122.5	3.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1926-2001

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Issue Date: February 2004

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Station: FAIRMONT, WV **COOP ID: 462920**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,300 Feet** **Lat: 39°28N** **Lon: 80°08W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.45	2.77	2.05	1978	25	7.10	1978	1.31	1981	15.4	8.3	2.0	.6	1.11	1.43	1.92	2.33	2.73	3.14	3.60	4.13	4.81	5.88	6.86
Feb	2.95	2.79	3.19	2000	19	5.84	2000	.85	1987	12.6	7.4	1.6	.3	1.01	1.29	1.70	2.04	2.37	2.71	3.08	3.51	4.06	4.92	5.71
Mar	4.07	4.33	2.47	1967	6	8.19	1994	1.26	1987	13.2	8.4	3.2	.6	1.66	2.03	2.56	2.99	3.40	3.82	4.27	4.78	5.44	6.44	7.35
Apr	3.59	3.62	3.17	1948	12	5.74	1973	1.13	1985	13.7	8.5	2.3	.4	1.52	1.85	2.30	2.67	3.02	3.38	3.76	4.20	4.75	5.59	6.36
May	4.85	4.97	2.98	1984	28	9.41	1996	2.00	1986	13.6	9.4	3.3	1.1	2.14	2.57	3.17	3.67	4.12	4.59	5.08	5.65	6.37	7.46	8.44
Jun	4.24	3.72	3.00	1936	7	9.99	1998	.59	1991	12.3	8.6	2.9	.9	1.32	1.72	2.32	2.83	3.33	3.84	4.41	5.07	5.93	7.26	8.50
Jul	4.92	4.51	3.68	1984	10	10.59	1996	1.67	1975	11.3	8.3	3.5	1.4	1.81	2.27	2.93	3.49	4.02	4.56	5.15	5.83	6.70	8.05	9.28
Aug	4.18	4.20	3.49	1980	18	9.34	1980	1.51	1976	11.1	7.8	3.0	.8	1.70	2.09	2.63	3.07	3.49	3.92	4.38	4.91	5.59	6.61	7.55
Sep	3.51	2.87	2.60	1961	20	7.34	1993	.66	1985	10.5	7.1	2.5	.9	1.04	1.37	1.87	2.30	2.72	3.16	3.64	4.21	4.94	6.09	7.16
Oct	3.03	3.21	3.64	1954	15	6.86	1976	1.12	1997	10.2	6.8	2.3	.4	1.13	1.41	1.82	2.16	2.48	2.81	3.17	3.58	4.11	4.93	5.67
Nov	3.68	3.70	3.66	1985	4	10.07	1985	.77	1976	12.6	7.8	2.8	.6	1.36	1.70	2.20	2.61	3.00	3.41	3.84	4.35	5.00	6.00	6.91
Dec	3.38	3.08	2.28	1978	8	9.06	1990	1.29	1988	14.3	8.0	2.1	.4	1.23	1.55	2.01	2.39	2.75	3.13	3.54	4.01	4.61	5.54	6.39
Ann	45.85	45.19	3.68	Jul 1984	10	10.59	Jul 1996	.59	Jun 1991	150.8	96.4	31.5	8.4	35.66	37.70	40.28	42.20	43.90	45.53	47.19	49.02	51.22	54.37	57.07

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
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Station: FAIRMONT, WV **COOP ID: 462920**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,300 Feet** **Lat: 39°28N** **Lon: 80°08W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.5	11.5	2	1	16.5	1996	8	38.0	1994	20	1978	21	9	1978	7.1	4.7	1.3	.4	.1	10.7	5.8	3.5	1.0
Feb	10.0	6.9	2	1	16.8	1983	11	27.0	1972	16	1979	12	10	1978	4.6	3.0	.9	.5	@	8.3	4.3	2.6	1.0
Mar	5.6	4.4	1	#	15.0	1993	14	22.5	1993	20	1993	15	3+	1999	2.6	1.8	.8	.2	.1	3.0	1.5	.8	.4
Apr	1.3	.0	#	0	10.0	1987	4	16.0	1987	13	1987	4	1	1987	.6	.4	.1	.1	@	.4	.1	.1	@
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	.8	1972	19	.8	1972	1	1972	19	#+	1992	@	.0	.0	.0	.0	@	.0	.0	.0
Nov	2.4	1.5	#	#	7.0	1971	24	16.6	1995	8	1995	17	2	1995	1.5	.8	.2	.1	.0	1.2	.2	.1	.0
Dec	5.7	4.3	1	#	8.0	1973	9	13.3	1993	8	1992	11	2+	2000	3.9	2.4	.3	.1	.0	4.4	1.5	.4	.0
Ann	39.5	28.6	N/A	N/A	16.8	Feb 1983	11	38.0	Jan 1994	20+	Mar 1993	15	10	Feb 1978	20.3	13.1	3.6	1.4	.2	28.0	13.4	7.5	2.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,300 Feet** **Lat: 39˚28N** **Lon: 80˚08W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/31	5/25	5/20	5/17	5/13	5/09	5/05	5/01	4/24
32	5/14	5/09	5/05	5/02	4/28	4/25	4/22	4/18	4/13
28	5/01	4/26	4/22	4/18	4/15	4/11	4/08	4/04	3/29
24	4/18	4/13	4/09	4/06	4/04	4/01	3/29	3/25	3/20
20	4/12	4/06	4/02	3/29	3/25	3/22	3/18	3/13	3/07
16	3/30	3/24	3/19	3/15	3/11	3/07	3/03	2/26	2/19

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/17	9/22	9/26	9/29	10/02	10/05	10/08	10/12	10/17
32	9/30	10/04	10/08	10/10	10/13	10/16	10/18	10/22	10/26
28	10/10	10/16	10/19	10/23	10/26	10/29	11/01	11/05	11/10
24	10/21	10/27	10/31	11/03	11/07	11/10	11/13	11/18	11/23
20	11/01	11/08	11/14	11/18	11/22	11/26	12/01	12/06	12/14
16	11/13	11/20	11/24	11/28	12/02	12/06	12/10	12/14	12/21

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	163	155	150	146	141	137	133	127	120
32	188	181	176	171	167	163	158	153	145
28	218	209	203	198	193	188	183	177	168
24	242	233	227	222	216	211	206	199	191
20	272	262	254	247	241	235	229	221	210
16	291	283	276	271	266	261	255	249	240

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: FAIRMONT, WV **COOP ID: 462920**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 1,300 Feet** **Lat: 39˚28N** **Lon: 80˚08W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1112	924	740	420	190	35	3	14	81	381	658	964	5522
60	957	784	585	275	100	8	0	1	25	250	510	809	4304
57	864	700	499	198	61	3	0	0	10	184	425	717	3661
55	802	644	442	152	41	1	0	0	5	146	370	660	3263
50	657	512	308	66	12	0	0	0	1	74	245	517	2392
32	219	134	37	0	0	0	0	0	0	0	18	137	545

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	130	134	320	571	885	1089	1247	1204	970	651	350	196	7747
55	0	0	12	33	212	400	534	491	285	84	13	7	2071
57	0	0	7	19	170	342	472	429	230	60	8	1	1738
60	0	0	0	7	117	257	379	337	155	33	2	0	1287
65	0	0	0	1	52	134	227	195	61	9	0	0	679
70	0	0	0	0	17	50	98	88	14	1	0	0	268

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	38	62	175	368	646	858	1009	969	739	414	181	67	38	100	275	643	1289	2147	3156	4125	4864	5278	5459	5526
45	17	29	106	247	492	708	854	814	589	277	105	33	17	46	152	399	891	1599	2453	3267	3856	4133	4238	4271
50	2	10	61	149	344	558	699	659	441	161	53	15	2	12	73	222	566	1124	1823	2482	2923	3084	3137	3152
55	0	1	29	83	216	412	544	504	299	79	23	1	0	1	30	113	329	741	1285	1789	2088	2167	2190	2191
60	0	0	11	36	117	268	389	351	178	31	7	0	0	0	11	47	164	432	821	1172	1350	1381	1388	1388
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	26	41	125	238	404	566	683	651	467	253	109	36	26	67	192	430	834	1400	2083	2734	3201	3454	3563	3599

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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www.ncdc.noaa.gov

Station: FRANKLIN 2 NE, WV **COOP ID: 463215**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,900 Feet** **Lat: 38˚41N** **Lon: 79˚19W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	43.3	20.5	31.9	79	1950	26	42.2	1974	-20	1994	19	20.0	1977	1026	0	.0	.0	8.6	5.9	27.1	1.8
Feb	47.0	22.7	34.9	75+	1951	26	43.2	1990	-13	1967	8	23.6	1978	844	0	.0	.0	10.7	3.9	23.4	.8
Mar	55.9	29.4	42.7	87+	1998	27	49.8	1973	-11	1960	8	37.3	1993	693	0	.0	.0	20.7	.7	20.3	.1
Apr	65.7	37.0	51.4	91	1960	23	58.2	1994	11	1985	10	47.1	1975	410	0	.0	.0	27.2	.0	9.8	.0
May	73.9	46.1	60.0	95	1996	19	66.6	1991	24	1966	11	55.9	1997	180	25	.0	.2	30.9	.0	2.1	.0
Jun	80.4	53.9	67.2	95+	1952	29	70.7	1994	29	1977	8	63.4	1974	41	105	.0	1.3	30.0	.0	.1	.0
Jul	84.0	58.2	71.1	101	1988	16	75.5	1999	34	1988	1	68.1	1984	6	193	@	4.3	31.0	.0	.0	.0
Aug	82.6	56.8	69.7	98+	1953	30	74.1	1995	33	1982	29	65.7	1976	16	161	.0	3.3	31.0	.0	.0	.0
Sep	76.7	50.3	63.5	99+	1953	1	68.6	1998	24	1963	24	60.1	1984	96	51	.0	.8	29.9	.0	.9	.0
Oct	67.4	38.9	53.2	91	1951	5	59.6	1971	14+	1962	27	47.1	1988	375	8	.0	.0	29.8	.0	8.8	.0
Nov	56.2	31.3	43.8	84	1950	1	50.3	1985	5+	1958	30	36.6	1976	639	0	.0	.0	20.3	.3	16.9	.0
Dec	46.7	24.1	35.4	77	2001	5	43.9	1971	-16	1989	23	23.6	1989	917	0	.0	.0	11.8	3.4	24.8	.7
Ann	65.0	39.1	52.1	101	Jul 1988	16	75.5	Jul 1999	-20	Jan 1994	19	20.0	Jan 1977	5243	543	@	9.9	281.9	14.2	134.2	3.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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www.ncdc.noaa.gov

Station: FRANKLIN 2 NE, WV

COOP ID: 463215

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,900 Feet** **Lat: 38°41N** **Lon: 79°19W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.45	2.00	2.00	1987	25	6.38	1996	.39	1981	8.0	5.5	1.4	.4	.47	.69	1.05	1.38	1.72	2.08	2.49	2.98	3.64	4.69	5.69
Feb	1.93	1.80	2.05	1984	14	4.57	1994	.43+	1995	7.6	4.5	1.1	.3	.42	.60	.88	1.14	1.39	1.67	1.97	2.34	2.83	3.60	4.33
Mar	2.96	2.79	2.20	1967	7	5.79	1994	.58	1981	9.0	6.6	2.0	.5	.90	1.18	1.60	1.96	2.31	2.68	3.08	3.55	4.15	5.10	5.98
Apr	2.66	2.31	2.21	1983	24	5.66	1980	.76	1976	9.5	5.8	1.8	.5	.78	1.04	1.42	1.75	2.07	2.40	2.77	3.20	3.76	4.64	5.45
May	3.78	3.73	2.05	1954	27	7.71	1996	.90	1977	11.7	7.7	2.4	.9	1.45	1.81	2.31	2.72	3.12	3.52	3.95	4.46	5.10	6.08	6.98
Jun	3.21	2.84	5.00	1949	18	7.07	1995	.80	1999	10.0	6.7	1.9	.6	.85	1.16	1.62	2.03	2.43	2.85	3.32	3.88	4.60	5.74	6.81
Jul	4.04	3.90	2.88	1954	15	8.35	1978	.75	1998	11.1	7.7	2.8	1.0	1.12	1.50	2.08	2.59	3.09	3.61	4.19	4.87	5.76	7.15	8.45
Aug	3.54	3.16	2.80+	1955	18	7.43	1996	1.42	1992	10.0	6.7	2.4	.9	1.36	1.69	2.16	2.55	2.92	3.30	3.70	4.18	4.78	5.70	6.55
Sep	3.15	2.71	4.80	1996	6	9.25	1996	.02	1985	8.7	5.6	2.4	.7	.33	.57	1.00	1.44	1.91	2.44	3.07	3.85	4.91	6.67	8.39
Oct	2.75	2.37	5.28	1954	16	8.56	1976	.04	2000	7.4	4.4	1.7	.6	.23	.42	.79	1.17	1.59	2.06	2.63	3.35	4.34	5.99	7.61
Nov	2.74	2.51	7.55	1985	4	11.51	1985	.65	1981	8.1	5.2	1.7	.4	.67	.93	1.33	1.68	2.04	2.41	2.82	3.32	3.96	4.99	5.95
Dec	2.12	1.87	1.93	1967	29	4.45	1983	.37	1980	7.5	4.8	1.4	.3	.56	.76	1.06	1.33	1.60	1.88	2.19	2.55	3.03	3.79	4.49
Ann	35.33	33.78	7.55	Nov 1985	4	11.51	Nov 1985	.02	Sep 1985	108.6	71.2	23.0	7.1	25.16	27.13	29.65	31.57	33.27	34.91	36.61	38.49	40.76	44.06	46.92

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: FRANKLIN 2 NE, WV **COOP ID: 463215**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,900 Feet** **Lat: 38°41N** **Lon: 79°19W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.4	5.7	#	0	21.0	1996	7	21.0	1996	1	1979	30	#	1979	2.3	1.9	.9	.5	.1	-9.9	-9.9	-9.9	-9.9
Feb	7.8	6.5	#	0	13.0	1983	11	19.9	1979	2	2000	12	#	2000	2.4	1.9	1.0	.4	.1	-9.9	-9.9	-9.9	-9.9
Mar	4.0	1.4	0	0	9.0	1980	14	25.0	1980	0	0	0	0	0	1.6	1.1	.4	.2	.0	-9.9	-9.9	-9.9	-9.9
Apr	.6	.0	0	0	12.0	1987	4	12.0	1987	0	0	0	0	0	.2	.1	.1	.1	@	-9.9	-9.9	-9.9	-9.9
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	-9.9	-9.9	-9.9	-9.9
Oct	.3	.0	0	0	6.0	1979	10	6.0	1979	0	0	0	0	0	.1	.1	@	@	.0	-9.9	-9.9	-9.9	-9.9
Nov	1.8	.0	#	0	9.5	1971	25	10.8	1995	#	1974	25	#	1974	.7	.6	.3	.1	.0	-9.9	-9.9	-9.9	-9.9
Dec	4.7	1.6	#	0	21.0	1992	10	21.0	1992	4	2000	19	1	2000	1.8	1.2	.6	.3	.1	-9.9	-9.9	-9.9	-9.9
Ann	25.6	15.2	N/A	N/A	21.0+	Jan 1996	7	25.0	Mar 1980	4	Dec 2000	19	1	Dec 2000	9.1	6.9	3.3	1.6	.3	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: FRANKLIN 2 NE, WV **COOP ID: 463215**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,900 Feet** **Lat: 38˚41N** **Lon: 79˚19W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/12	6/05	5/31	5/27	5/23	5/19	5/15	5/10	5/03
32	5/28	5/22	5/19	5/15	5/12	5/09	5/06	5/02	4/27
28	5/12	5/08	5/05	5/02	4/29	4/27	4/24	4/21	4/16
24	4/24	4/20	4/17	4/15	4/12	4/10	4/07	4/04	3/31
20	4/17	4/11	4/07	4/03	3/31	3/28	3/24	3/20	3/15
16	3/31	3/26	3/22	3/18	3/15	3/12	3/09	3/05	2/27

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/06	9/12	9/16	9/19	9/22	9/25	9/28	10/02	10/07
32	9/18	9/22	9/25	9/28	9/30	10/02	10/05	10/08	10/12
28	9/27	10/02	10/05	10/08	10/11	10/13	10/16	10/20	10/24
24	10/10	10/15	10/19	10/21	10/24	10/27	10/30	11/02	11/07
20	10/15	10/22	10/27	10/31	11/04	11/08	11/12	11/18	11/24
16	11/02	11/09	11/14	11/18	11/22	11/26	11/30	12/05	12/11

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	146	138	132	126	121	116	111	105	96
32	157	151	147	143	140	136	133	128	122
28	186	178	173	168	164	159	155	149	142
24	211	205	201	198	194	191	187	183	177
20	245	235	229	223	217	212	206	199	190
16	276	267	261	256	251	246	241	235	227

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: FRANKLIN 2 NE, WV **COOP ID: 463215**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,900 Feet** **Lat: 38˚41N** **Lon: 79˚19W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1026	844	693	410	180	41	6	16	96	375	639	917	5243
60	871	704	538	267	81	8	0	1	32	242	490	762	3996
57	778	620	449	191	42	2	0	0	13	176	403	669	3343
55	716	564	392	146	25	1	0	0	7	138	348	615	2952
50	574	434	257	63	4	0	0	0	1	66	222	471	2092
32	165	89	16	0	0	0	0	0	0	0	10	106	386

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	162	169	346	580	868	1054	1211	1168	945	656	361	212	7732
55	0	0	9	37	180	365	498	455	262	81	10	8	1905
57	0	0	4	21	135	306	436	393	209	56	4	0	1564
60	0	0	0	8	81	222	343	301	138	30	1	0	1124
65	0	0	0	0	25	105	193	161	51	8	0	0	543
70	0	0	0	0	4	33	75	63	10	0	0	0	185

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	33	59	164	353	621	815	967	920	706	411	175	66	33	92	256	609	1230	2045	3012	3932	4638	5049	5224	5290
45	13	26	89	227	466	665	812	765	556	273	95	32	13	39	128	355	821	1486	2298	3063	3619	3892	3987	4019
50	1	6	38	128	318	515	657	610	408	156	43	7	1	7	45	173	491	1006	1663	2273	2681	2837	2880	2887
55	0	0	15	61	187	368	502	456	270	70	11	1	0	0	15	76	263	631	1133	1589	1859	1929	1940	1941
60	0	0	2	21	87	231	349	303	149	23	1	0	0	0	2	23	110	341	690	993	1142	1165	1166	1166
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	54	132	247	393	536	645	609	453	282	130	54	29	83	215	462	855	1391	2036	2645	3098	3380	3510	3564

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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www.ncdc.noaa.gov

Station: GASSAWAY, WV **COOP ID: 463361**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 840 Feet** **Lat: 38˚40N** **Lon: 80˚46W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.9	20.3	31.1	76	1985	1	41.7	1974	-22	1994	19	16.9	1977	1052	0	.0	.0	10.6	6.4	24.9	1.6
Feb	46.8	22.1	34.5	78+	1955	20	42.2	1990	-14	1996	5	20.2	1978	856	0	.0	.0	13.0	3.6	21.9	1.0
Mar	56.6	29.6	43.1	88+	1954	25	49.8	1973	-3+	1980	3	36.7	1996	679	0	.0	.0	23.0	.5	17.5	.1
Apr	66.9	38.4	52.7	91+	1957	25	57.6	1981	17+	1982	7	46.4	1997	372	3	.0	.3	28.3	.0	8.3	.0
May	75.7	49.0	62.4	95	1987	30	69.7	1991	25+	1963	2	55.5	1997	152	69	.0	.9	31.0	.0	1.1	.0
Jun	82.1	58.3	70.2	99	1952	24	73.3	1984	33	1966	2	65.5	1972	16	171	.0	3.1	30.0	.0	.0	.0
Jul	85.4	63.5	74.5	102	1988	17	77.3	1987	40	1988	1	70.8	1996	0	293	.1	8.1	31.0	.0	.0	.0
Aug	83.7	62.3	73.0	102	1953	30	77.2	1988	40+	1965	29	69.1	1976	4	253	.0	5.4	31.0	.0	.0	.0
Sep	77.8	55.4	66.6	105	1953	3	70.4	1998	30	1951	29	63.7	1974	44	93	.0	1.2	30.0	.0	.0	.0
Oct	68.2	41.8	55.0	92	1953	2	63.9	1984	14	1952	21	47.8	1988	332	22	.0	.0	30.3	.0	5.0	.0
Nov	57.3	32.4	44.9	84	1958	18	53.7	1985	5	1958	30	36.3	1976	604	0	.0	.0	22.3	.2	14.9	.0
Dec	46.4	24.8	35.6	80	1951	7	44.4	1984	-10+	1962	13	23.6	1989	910	0	.0	.0	13.7	3.2	22.5	.4
Ann	65.7	41.5	53.6	105	Sep 1953	3	77.3	Jul 1987	-22	Jan 1994	19	16.9	Jan 1977	5021	904	.1	19.0	294.2	13.9	116.1	3.1

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1951-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: GASSAWAY, WV

COOP ID: 463361

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 840 Feet** **Lat: 38˚40N** **Lon: 80˚46W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.50	3.01	2.30	1998	28	6.10	1994	1.06	1981	13.0	8.9	2.0	.4	1.25	1.58	2.06	2.46	2.84	3.24	3.66	4.16	4.79	5.77	6.67
Feb	3.26	2.94	3.00	1970	14	6.48	1994	.99	1978	12.1	8.3	1.9	.4	1.42	1.71	2.12	2.45	2.76	3.08	3.41	3.80	4.29	5.04	5.71
Mar	4.24	4.27	2.90	1997	1	9.11	1997	1.55	1987	13.0	9.6	2.8	.8	1.78	2.16	2.70	3.15	3.57	3.99	4.44	4.97	5.63	6.64	7.56
Apr	3.75	3.52	2.00	1970	23	7.86	1972	1.12	1971	12.5	9.1	2.1	.5	1.50	1.85	2.33	2.74	3.12	3.51	3.93	4.41	5.02	5.96	6.81
May	4.54	4.74	3.57	1994	7	7.55	1996	1.21	1977	12.7	9.6	3.3	.9	1.87	2.28	2.87	3.35	3.80	4.26	4.75	5.32	6.05	7.15	8.15
Jun	4.69	4.46	2.32	1989	23	11.09	1998	1.32	1988	11.0	8.3	3.3	1.0	1.63	2.08	2.72	3.27	3.78	4.32	4.90	5.58	6.45	7.80	9.03
Jul	5.40	4.90	4.00	1996	31	11.81	1996	2.35	1988	12.0	9.3	4.0	1.3	2.15	2.65	3.35	3.94	4.49	5.05	5.66	6.36	7.25	8.61	9.86
Aug	4.79	5.22	3.25	1963	4	8.35	1989	1.26	1981	10.2	7.5	3.3	1.4	1.79	2.23	2.88	3.41	3.92	4.45	5.01	5.67	6.50	7.79	8.97
Sep	3.86	3.81	3.76	1971	13	10.12	1971	.83	1998	9.9	6.6	3.0	.9	1.28	1.65	2.18	2.64	3.08	3.53	4.02	4.60	5.34	6.50	7.56
Oct	3.08	2.90	2.06	1976	9	6.40	1976	.68	2000	9.4	6.7	1.9	.7	.89	1.19	1.63	2.01	2.38	2.77	3.19	3.70	4.35	5.37	6.32
Nov	3.93	3.69	4.30	1985	4	12.57	1985	1.63	1981	12.2	8.2	2.5	.9	1.48	1.85	2.38	2.81	3.23	3.65	4.11	4.64	5.32	6.37	7.32
Dec	3.82	3.56	1.67	1954	30	8.12	1978	1.72	1989	13.2	8.8	2.5	.6	1.66	2.00	2.48	2.87	3.24	3.61	4.00	4.46	5.03	5.90	6.69
Ann	48.86	48.51	4.30	Nov 1985	4	12.57	Nov 1985	.68	Oct 2000	141.2	100.9	32.6	9.8	38.18	40.32	43.03	45.05	46.83	48.53	50.28	52.19	54.49	57.79	60.61

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1951-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: GASSAWAY, WV **COOP ID: 463361**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 840 Feet** **Lat: 38°40N** **Lon: 80°46W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.6	5.0	2	1	11.0	1971	1	29.0	1978	24	1996	11	9	1977	3.8	3.2	1.0	.4	.1	7.8	4.1	2.7	.6
Feb	6.8	6.3	1	#	10.0	1983	11	16.0	1986	12	1977	2	7	1978	2.5	2.2	.7	.3	@	6.0	4.1	3.1	.6
Mar	3.1	.7	#	#	10.0	1993	13	20.0	1993	16	1993	14	2	1993	1.3	1.2	.3	.2	.1	1.7	1.0	.7	.1
Apr	.6	.0	#	0	6.0	1987	4	12.0	1987	10	1987	4	1	1987	.3	.2	.1	@	.0	.2	.1	.1	@
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1988	12	#+	1988	#	1972	20	#	1972	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	0	7.0	1995	15	10.0	1995	5	1995	15	#+	2000	.5	.4	@	@	.0	.5	.1	@	.0
Dec	2.2	1.5	#	#	5.0	1995	7	7.5	1999	8	1997	31	2	1989	2.2	1.8	.2	@	.0	3.8	.7	.1	.0
Ann	21.1	13.5	N/A	N/A	11.0	Jan 1971	1	29.0	Jan 1978	24	Jan 1996	11	9	Jan 1977	10.6	9.0	2.3	.9	.2	20.0	10.1	6.7	1.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 840 Feet** **Lat: 38˚40N** **Lon: 80˚46W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/29	5/23	5/18	5/15	5/11	5/08	5/04	4/30	4/24
32	5/15	5/10	5/07	5/04	5/01	4/28	4/25	4/22	4/17
28	5/05	4/29	4/25	4/21	4/18	4/15	4/11	4/07	4/01
24	4/20	4/15	4/11	4/08	4/05	4/03	3/30	3/27	3/22
20	4/09	4/03	3/29	3/25	3/21	3/17	3/13	3/08	3/02
16	3/23	3/16	3/11	3/07	3/03	2/27	2/23	2/18	2/11

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	10/02	10/05	10/07	10/10	10/13	10/16	10/21
32	10/06	10/10	10/13	10/15	10/18	10/20	10/23	10/26	10/30
28	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/13
24	10/24	10/30	11/02	11/06	11/09	11/12	11/15	11/19	11/24
20	11/03	11/10	11/15	11/19	11/23	11/27	12/01	12/05	12/12
16	11/17	11/24	11/29	12/03	12/07	12/10	12/15	12/19	12/26

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	169	162	157	152	148	144	140	134	127
32	187	181	176	173	169	166	162	158	151
28	215	207	202	197	193	189	184	179	171
24	241	233	227	221	216	212	206	200	192
20	273	264	257	251	246	241	235	228	219
16	308	297	290	284	278	272	266	258	248

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 840 Feet** **Lat: 38˚40N** **Lon: 80˚46W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1052	856	679	372	152	16	0	4	44	332	604	910	5021
60	897	716	525	235	74	3	0	0	11	215	457	755	3888
57	804	632	439	164	42	1	0	0	4	157	373	662	3278
55	742	578	382	124	27	0	0	0	2	125	320	607	2907
50	600	449	253	50	7	0	0	0	0	63	201	463	2086
32	187	104	20	0	0	0	0	0	0	0	8	101	420

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	159	172	364	620	940	1145	1316	1272	1039	713	394	214	8348
55	0	2	13	54	254	455	603	559	351	125	16	7	2439
57	0	0	8	35	207	396	541	497	293	95	9	0	2081
60	0	0	1	16	146	308	448	404	211	59	3	0	1596
65	0	0	0	3	69	171	293	253	93	22	0	0	904
70	0	0	0	0	24	68	150	124	24	6	0	0	396

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	58	81	231	437	718	911	1070	1029	806	500	228	90	58	139	370	807	1525	2436	3506	4535	5341	5841	6069	6159
45	28	38	136	302	563	761	915	874	656	349	132	41	28	66	202	504	1067	1828	2743	3617	4273	4622	4754	4795
50	5	13	69	184	412	611	760	719	507	218	68	18	5	18	87	271	683	1294	2054	2773	3280	3498	3566	3584
55	0	0	33	104	269	463	605	564	361	118	30	2	0	0	33	137	406	869	1474	2038	2399	2517	2547	2549
60	0	0	5	45	149	319	450	409	223	51	3	0	0	0	5	50	199	518	968	1377	1600	1651	1654	1654
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	44	73	179	303	466	610	729	697	521	325	158	62	44	117	296	599	1065	1675	2404	3101	3622	3947	4105	4167

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: GLENVILLE, WV **COOP ID: 463544**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38˚56N** **Lon: 80˚50W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.1	19.0	30.1	80	1950	25	38.9	1974	-25+	1936	24	15.5	1977	1083	0	.0	.0	8.4	7.7	26.4	2.7
Feb	45.4	20.7	33.1	80	2000	27	40.7	1998	-19+	1936	1	20.6	1978	895	0	.0	.0	10.6	4.8	23.2	1.9
Mar	55.5	27.9	41.7	91	1929	25	49.9	1973	-11	1943	4	35.9	1999	723	0	.0	.0	20.0	1.1	21.1	.2
Apr	66.1	36.4	51.3	94	1942	30	56.1	1999	13	1969	1	46.3	1975	415	2	.0	.2	27.1	@	10.7	.0
May	75.0	46.0	60.5	97	1936	9	68.9	1991	22+	1963	2	55.1	1997	192	53	.0	.8	30.8	.0	1.8	.0
Jun	82.3	55.6	69.0	101	1931	20	72.6	1991	31	1972	11	63.2	1972	33	151	.0	3.5	30.0	.0	.1	.0
Jul	85.6	61.0	73.3	105+	1930	28	77.2	1999	38	1963	9	69.7	1976	4	261	.2	7.5	31.0	.0	.0	.0
Aug	84.5	60.0	72.3	105	1930	4	78.2	1995	37	1930	12	68.3	1982	8	231	.1	5.5	31.0	.0	.0	.0
Sep	78.6	52.5	65.6	104	1932	1	69.1	1978	29	1963	24	61.6	1976	59	76	.0	1.6	30.0	.0	.1	.0
Oct	67.9	39.1	53.5	95	1927	1	60.3	1984	12	1930	22	46.7	1988	371	13	.0	.0	29.8	.0	8.2	.0
Nov	56.4	30.7	43.6	86+	1931	23	52.9	1985	0	1929	30	34.5	1976	644	0	.0	.0	20.2	.3	18.1	.0
Dec	45.7	23.8	34.8	82	1932	24	42.8	1984	-14+	1962	13	21.3	1989	937	0	.0	.0	11.9	4.0	24.1	.5
Ann	65.3	39.4	52.4	105+	Aug 1930	4	78.2	Aug 1995	-25+	Jan 1936	24	15.5	Jan 1977	5364	787	.3	19.1	280.8	17.9	133.8	5.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Station: GLENVILLE, WV **COOP ID: 463544**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38°56N** **Lon: 80°50W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.40	2.75	1.95+	1974	11	7.43	1994	1.01	1981	14.6	8.3	2.1	.5	1.01	1.33	1.82	2.24	2.64	3.07	3.54	4.09	4.80	5.92	6.95
Feb	3.09	3.01	2.77	1994	9	5.91	1994	.62	1978	11.8	7.4	1.8	.4	1.10	1.39	1.81	2.17	2.51	2.85	3.23	3.67	4.23	5.09	5.89
Mar	4.06	3.63	2.90	1997	1	8.51	1997	1.58	1987	13.0	8.9	2.6	.9	1.64	2.01	2.54	2.97	3.38	3.80	4.25	4.77	5.43	6.44	7.36
Apr	3.64	3.68	2.09	1989	26	7.67	1972	1.13	1971	13.6	8.8	2.0	.4	1.56	1.89	2.34	2.72	3.07	3.43	3.81	4.25	4.81	5.65	6.42
May	4.44	4.69	2.24	1938	21	9.31	1996	.70	1991	12.7	8.5	2.9	.8	1.51	1.93	2.54	3.06	3.56	4.07	4.63	5.28	6.12	7.42	8.62
Jun	4.13	3.54	3.86	1937	22	10.82	1998	.76	1988	11.7	8.0	3.1	1.0	1.05	1.44	2.04	2.57	3.09	3.65	4.26	4.99	5.95	7.45	8.86
Jul	5.17	4.68	5.09	1951	24	9.24	1971	1.92	1972	12.1	8.2	3.7	1.4	2.23	2.70	3.35	3.88	4.38	4.88	5.42	6.04	6.82	8.01	9.08
Aug	4.28	4.49	3.70	1943	5	7.03	1989	1.53	1981	10.6	7.3	2.9	1.1	1.86	2.24	2.78	3.22	3.63	4.04	4.48	4.99	5.63	6.61	7.49
Sep	3.32	3.04	2.91	1971	13	7.70	1971	.83	1983	9.8	6.1	2.2	.8	1.02	1.33	1.80	2.21	2.60	3.01	3.45	3.98	4.66	5.72	6.70
Oct	3.02	2.86	3.12	1954	16	7.15	1976	.69	1994	10.1	6.2	1.9	.6	.79	1.07	1.51	1.90	2.28	2.67	3.12	3.65	4.33	5.42	6.43
Nov	3.78	3.65	3.50	1926	16	9.38	1985	.95	1976	12.3	8.1	2.4	.5	1.29	1.65	2.17	2.61	3.03	3.47	3.95	4.50	5.22	6.32	7.34
Dec	3.39	2.83	2.20	1972	9	8.67	1978	1.63	1971	13.5	7.9	2.2	.5	1.38	1.70	2.13	2.50	2.84	3.18	3.55	3.98	4.53	5.36	6.11
Ann	45.72	45.33	5.09	Jul 1951	24	10.82	Jun 1998	.62	Feb 1978	145.8	93.7	29.8	8.9	36.32	38.21	40.60	42.38	43.95	45.45	46.98	48.65	50.66	53.54	55.99

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
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Climatography of the United States No. 20 1971-2000

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Station: GLENVILLE, WV **COOP ID: 463544**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38°56N** **Lon: 80°50W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.7	2.3	1	1	9.3	1996	8	32.7	1978	15+	1996	8	9	1977	5.2	2.6	.8	.3	.0	6.2	3.8	3.0	1.2
Feb	5.5	2.9	1	#	9.0	1986	11	13.3	1972	15	1986	15	7	1978	3.2	1.6	.4	.1	.0	4.2	1.7	1.1	.2
Mar	4.2	2.0	#	#	14.5	1993	14	21.0	1993	15	1993	15	3	1993	2.2	1.3	.6	.2	@	1.9	.8	.3	.0
Apr	.7	.0	#	0	7.0	1987	4	10.0	1987	3	1973	12	#+	1983	.4	.2	@	@	.0	.2	@	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	.5	1972	19	.5	1972	#	1981	19	#	1981	@	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.7	.0	#	0	3.0	1995	15	7.4	1976	3	1995	15	1	1976	.7	.3	@	.0	.0	.7	@	.0	.0
Dec	3.5	3.5	#	#	3.5	1973	21	7.9	1976	4+	1999	29	2	1989	3.3	1.1	.2	.0	.0	3.1	.6	.0	.0
Ann	23.3	10.7	N/A	N/A	14.5	Mar 1993	14	32.7	Jan 1978	15+	Jan 1996	8	9	Jan 1977	15.0	7.1	2.0	.6	@	16.3	6.9	4.4	1.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 2 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38˚56N** **Lon: 80˚50W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/31	5/25	5/21	5/17	5/14	5/11	5/07	5/03	4/27
32	5/23	5/18	5/14	5/10	5/07	5/04	5/01	4/27	4/21
28	5/05	5/01	4/27	4/24	4/22	4/19	4/16	4/13	4/08
24	4/22	4/17	4/13	4/10	4/07	4/05	4/02	3/29	3/24
20	4/16	4/09	4/04	3/31	3/28	3/24	3/20	3/15	3/08
16	4/04	3/26	3/21	3/16	3/11	3/06	3/01	2/23	2/15

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/22	9/26	9/29	10/02	10/04	10/07	10/09	10/12	10/17
32	9/30	10/05	10/08	10/11	10/14	10/16	10/19	10/22	10/27
28	10/09	10/15	10/19	10/22	10/26	10/29	11/01	11/05	11/11
24	10/17	10/23	10/27	10/31	11/04	11/07	11/11	11/15	11/21
20	10/26	11/02	11/06	11/10	11/14	11/17	11/21	11/26	12/02
16	11/04	11/12	11/17	11/22	11/26	11/30	12/05	12/10	12/18

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	164	156	151	147	143	138	134	129	122
32	178	171	167	162	159	155	151	146	139
28	208	201	195	190	186	182	177	171	164
24	233	225	219	214	209	205	200	194	186
20	262	251	243	237	231	224	218	210	199
16	297	284	275	267	259	252	244	235	222

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 2 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38˚56N** **Lon: 80˚50W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1083	895	723	415	192	33	4	8	59	371	644	937	5364
60	928	755	568	274	103	8	0	0	17	244	495	782	4174
57	835	671	479	200	63	3	0	0	6	181	410	689	3537
55	773	615	422	156	43	1	0	0	3	145	356	635	3149
50	632	486	286	71	14	0	0	0	0	75	231	490	2285
32	211	126	26	0	0	0	0	0	0	0	13	120	496

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	152	155	327	577	884	1108	1280	1246	1007	666	359	206	7967
55	1	0	9	43	214	419	567	533	320	97	12	8	2223
57	0	0	5	27	173	360	505	471	263	72	6	0	1882
60	0	0	0	11	119	275	412	378	184	42	2	0	1423
65	0	0	0	2	53	151	261	231	76	13	0	0	787
70	0	0	0	0	18	62	127	112	18	3	0	0	340

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	41	60	172	365	656	884	1050	1015	781	440	190	73	41	101	273	638	1294	2178	3228	4243	5024	5464	5654	5727
45	14	27	96	246	501	734	895	860	631	298	108	37	14	41	137	383	884	1618	2513	3373	4004	4302	4410	4447
50	2	10	50	145	359	584	740	705	481	181	51	14	2	12	62	207	566	1150	1890	2595	3076	3257	3308	3322
55	0	0	23	76	227	437	585	550	339	89	18	1	0	0	23	99	326	763	1348	1898	2237	2326	2344	2345
60	0	0	4	32	120	296	430	396	207	39	3	0	0	0	4	36	156	452	882	1278	1485	1524	1527	1527
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	33	56	142	264	429	583	710	681	507	298	139	56	33	89	231	495	924	1507	2217	2898	3405	3703	3842	3898

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: HAMLIN, WV **COOP ID: 463846**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 680 Feet** **Lat: 38˚17N** **Lon: 82˚07W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	43.9	20.6	32.3	80+	1950	26	41.6	1974	-28+	1994	19	19.0	1977	1016	0	.0	.0	9.0	6.8	26.1	2.0
Feb	48.8	22.8	35.8	81	2000	27	42.7	1990	-19	1996	5	23.0	1978	819	0	.0	.0	12.1	4.3	22.7	1.2
Mar	58.8	30.3	44.6	89+	1954	26	52.9	1973	-8	1993	15	38.8	1996	633	0	.0	.0	21.4	.9	19.1	.2
Apr	69.4	38.1	53.8	92	1990	28	59.3	1981	11	1950	7	48.8	1975	343	5	.0	.2	27.5	.0	9.7	.0
May	78.0	48.1	63.1	95	1950	6	70.9	1991	24	1966	10	58.1	1997	141	80	.0	1.0	31.0	.0	1.1	.0
Jun	85.4	57.1	71.3	99+	1988	26	74.9	1994	33+	1966	1	66.4	1972	15	204	.0	5.0	30.0	.0	.0	.0
Jul	89.6	62.3	76.0	103+	1988	16	79.4	1993	40	1988	1	71.7	2000	0	339	.2	10.5	31.0	.0	.0	.0
Aug	88.6	60.7	74.7	101+	1953	31	79.8	1995	40+	1965	29	70.6	1992	5	304	.1	7.8	31.0	.0	.0	.0
Sep	82.3	52.9	67.6	102+	1953	1	71.7	1971	29	1949	25	63.3	1974	52	129	@	2.1	30.0	.0	.2	.0
Oct	71.2	39.1	55.2	95	1953	1	63.1	1984	11	1952	21	48.8	1988	329	24	.0	.0	30.3	.0	9.2	.0
Nov	59.2	31.2	45.2	88	1948	6	54.2	1985	5	1958	30	37.1	1976	594	0	.0	.0	21.3	.2	17.3	.0
Dec	48.5	24.5	36.5	82	1982	4	45.5	1971	-17	1989	23	24.0	1989	884	0	.0	.0	12.9	3.8	23.6	.6
Ann	68.6	40.6	54.7	103+	Jul 1988	16	79.8	Aug 1995	-28+	Jan 1994	19	19.0	Jan 1977	4831	1085	.3	26.6	287.5	16.0	129.0	4.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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Station: HAMLIN, WV **COOP ID: 463846**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 680 Feet** **Lat: 38˚17N** **Lon: 82˚07W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.22	2.91	1.85	1974	11	6.85	1978	.83	1981	13.6	7.0	2.1	.5	.95	1.26	1.72	2.12	2.50	2.90	3.34	3.86	4.54	5.59	6.57
Feb	3.16	3.01	2.64	1962	27	7.24	1989	1.03	1977	11.7	6.9	2.2	.5	1.19	1.48	1.90	2.26	2.59	2.93	3.30	3.73	4.28	5.12	5.89
Mar	3.82	3.24	2.52	1997	2	8.63	1997	1.21	1986	13.3	8.7	2.4	.6	1.37	1.73	2.25	2.69	3.10	3.53	3.99	4.53	5.22	6.29	7.26
Apr	3.38	3.24	1.81	1968	5	5.53	1998	.87	1976	12.9	8.0	2.3	.4	1.42	1.72	2.16	2.51	2.84	3.18	3.55	3.96	4.49	5.30	6.03
May	4.52	4.56	3.38	1982	30	9.96	1996	1.15	1977	13.8	9.2	3.2	.9	1.90	2.31	2.88	3.36	3.80	4.25	4.73	5.29	5.99	7.07	8.04
Jun	4.10	4.21	2.76	1993	5	7.57	1998	1.11	1986	12.0	7.9	2.9	.9	1.52	1.90	2.46	2.92	3.35	3.80	4.29	4.85	5.57	6.68	7.69
Jul	4.79	4.79	3.50	1964	27	7.75	2000	1.54	1987	12.1	7.7	3.7	1.3	2.30	2.72	3.28	3.73	4.15	4.57	5.02	5.53	6.17	7.14	8.00
Aug	4.26	4.31	4.09	1978	7	8.55	1978	1.30	1973	10.5	6.8	3.0	1.3	1.91	2.29	2.81	3.24	3.64	4.04	4.47	4.96	5.58	6.52	7.37
Sep	3.21	3.03	3.15	1954	20	6.41	1996	.57	1978	11.0	6.2	2.4	.8	1.02	1.32	1.77	2.16	2.53	2.92	3.35	3.84	4.49	5.49	6.41
Oct	2.91	2.78	1.68	1977	2	5.88	1983	.70	2000	11.0	6.2	1.9	.6	.81	1.09	1.51	1.87	2.23	2.60	3.02	3.50	4.14	5.13	6.05
Nov	3.52	3.16	2.52	1986	9	7.81	1985	1.02	1976	11.9	7.1	2.3	.8	1.28	1.61	2.09	2.49	2.87	3.25	3.68	4.17	4.79	5.76	6.64
Dec	3.51	3.04	2.28	1991	3	8.46	1978	1.15	1989	11.8	7.3	2.2	.5	1.29	1.62	2.09	2.49	2.86	3.25	3.67	4.16	4.78	5.73	6.61
Ann	44.40	44.22	4.09	Aug 1978	7	9.96	May 1996	.57	Sep 1978	145.6	89.0	30.6	9.1	34.93	36.84	39.24	41.03	42.60	44.11	45.66	47.35	49.38	52.29	54.78

+ Also occurred on an earlier date(s)
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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.7	5.8	1	#	10.5	1978	20	29.9	1978	19	1978	20	7	1978	5.5	2.8	.7	.4	@	8.1	4.2	2.7	.6
Feb	6.8	4.9	1	#	9.0	1985	13	28.0	1979	13	1985	3	6	1985	3.9	2.1	.8	.4	.0	6.0	3.5	1.9	.4
Mar	3.4	1.9	#	#	9.0	1993	14	16.0	1993	16	1993	14	2	1993	2.1	1.2	.4	.2	.0	2.0	.8	.4	.1
Apr	.7	.0	#	0	12.0	1987	4	18.8	1987	13	1987	5	1	1987	.4	.1	.1	.1	@	.2	.1	.1	.1
May	#	.0	0	0	#	1989	8	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	.3	1972	19	.3	1972	#+	1974	20	#+	1974	@	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.6	.0	#	0	5.0	1995	29	6.5	1995	3	1995	29	#+	1996	.6	.3	@	@	.0	.3	@	.0	.0
Dec	3.4	2.5	#	#	5.0	1981	17	10.7	1989	6	1993	29	1	1995	2.7	1.5	.2	@	.0	2.8	.8	.1	.0
Ann	22.6	15.1	N/A	N/A	12.0	Apr 1987	4	29.9	Jan 1978	19	Jan 1978	20	7	Jan 1978	15.2	8.0	2.2	1.1	@	19.4	9.4	5.2	1.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HAMLIN, WV **COOP ID: 463846**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 680 Feet** **Lat: 38˚17N** **Lon: 82˚07W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/26	5/20	5/16	5/13	5/10	5/07	5/03	4/29	4/24
32	5/14	5/10	5/07	5/05	5/02	4/30	4/27	4/25	4/21
28	5/02	4/28	4/24	4/22	4/19	4/16	4/13	4/10	4/05
24	4/19	4/15	4/12	4/09	4/07	4/04	4/01	3/29	3/25
20	4/08	4/03	3/30	3/27	3/23	3/20	3/17	3/13	3/08
16	3/25	3/18	3/13	3/09	3/05	3/01	2/25	2/20	2/13

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/21	9/25	9/28	9/30	10/02	10/04	10/07	10/10	10/13
32	9/29	10/03	10/06	10/08	10/11	10/13	10/16	10/19	10/23
28	10/06	10/12	10/16	10/20	10/23	10/26	10/30	11/03	11/09
24	10/14	10/20	10/25	10/28	11/01	11/04	11/08	11/13	11/19
20	10/26	11/01	11/05	11/09	11/12	11/16	11/19	11/24	11/30
16	11/13	11/19	11/23	11/27	12/01	12/04	12/08	12/13	12/19

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	162	156	152	148	145	141	137	133	127
32	176	171	167	164	161	158	154	151	145
28	207	200	195	191	187	182	178	173	166
24	230	222	217	212	208	203	198	193	185
20	258	249	243	238	233	228	223	217	209
16	292	284	279	274	270	265	261	255	248

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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www.ncdc.noaa.gov

Station: HAMLIN, WV **COOP ID: 463846**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 680 Feet** **Lat: 38˚17N** **Lon: 82˚07W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1016	819	633	343	141	15	0	5	52	329	594	884	4831
60	861	679	481	211	67	3	0	0	16	213	448	729	3708
57	768	595	395	145	37	1	0	0	7	156	366	644	3114
55	708	543	339	108	24	0	0	0	4	123	313	586	2748
50	566	414	216	42	6	0	0	0	1	61	197	445	1948
32	164	85	13	0	0	0	0	0	0	0	9	102	373

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	171	190	403	652	962	1179	1362	1322	1067	718	404	241	8671
55	3	4	16	71	273	489	649	609	381	128	18	12	2653
57	0	0	10	47	225	429	587	547	324	99	12	8	2288
60	0	0	3	23	161	341	494	454	243	63	4	0	1786
65	0	0	0	5	80	204	339	304	129	24	0	0	1085
70	0	0	0	0	30	96	194	170	52	7	0	0	549

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	46	80	205	406	695	915	1080	1034	790	448	204	84	46	126	331	737	1432	2347	3427	4461	5251	5699	5903	5987
45	21	35	118	276	540	765	925	879	640	308	117	42	21	56	174	450	990	1755	2680	3559	4199	4507	4624	4666
50	4	12	62	172	392	615	770	724	491	185	59	17	4	16	78	250	642	1257	2027	2751	3242	3427	3486	3503
55	0	0	30	93	257	466	615	569	348	97	22	2	0	0	30	123	380	846	1461	2030	2378	2475	2497	2499
60	0	0	6	45	146	322	460	414	218	42	4	0	0	0	6	51	197	519	979	1393	1611	1653	1657	1657
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	43	71	158	288	452	609	730	694	514	316	153	68	43	114	272	560	1012	1621	2351	3045	3559	3875	4028	4096

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: HOGSETT R C BYRD DAM, WV **COOP ID: 464200**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 570 Feet** **Lat: 38˚41N** **Lon: 82˚11W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.2	21.1	31.2	79	1950	25	40.8	1998	-24+	1994	19	18.5	1977	1050	0	.0	.0	7.9	8.2	26.4	1.8
Feb	45.5	23.2	34.4	77	1996	28	41.7	1976	-12+	1996	5	22.1	1978	858	0	.0	.0	10.2	5.2	22.7	.6
Mar	56.1	30.7	43.4	88	1990	15	51.5	1973	-6	1980	3	36.9	1984	669	0	.0	.0	20.4	1.1	19.2	.2
Apr	66.9	38.9	52.9	91	1990	28	57.6	1985	14	1969	1	48.7	1997	366	2	.0	.1	27.4	@	7.2	.0
May	75.7	48.9	62.3	94	1962	19	69.7	1991	27+	1963	3	57.2	1997	160	77	.0	.7	31.0	.0	.6	.0
Jun	83.2	58.1	70.7	100	1988	26	73.6	1994	31	1972	12	63.8	1972	18	186	@	4.4	30.0	.0	.1	.0
Jul	87.2	62.7	75.0	104	1954	15	79.3	1999	45	1988	3	70.6	1984	3	312	.2	9.2	31.0	.0	.0	.0
Aug	85.7	61.6	73.7	102	1988	18	78.4	1995	41	1986	31	69.4	1982	7	275	@	6.7	31.0	.0	.0	.0
Sep	79.4	54.6	67.0	101	1953	4	71.8	1998	33	1956	21	62.1	1974	53	114	.0	1.5	30.0	.0	.0	.0
Oct	68.7	42.4	55.6	94	1953	1	62.8	1971	16	1962	28	49.9+	1988	314	21	.0	.0	30.2	.0	3.7	.0
Nov	56.9	33.3	45.1	84	1961	4	53.4	1985	6	1950	25	37.5	1976	597	0	.0	.0	20.6	.2	15.1	.0
Dec	46.0	25.7	35.9	84	1951	31	43.6	1971	-15	1989	22	22.9	1989	904	0	.0	.0	11.4	4.2	23.2	.4
Ann	66.0	41.8	53.9	104	Jul 1954	15	79.3	Jul 1999	-24+	Jan 1994	19	18.5	Jan 1977	4999	987	.2	22.6	281.1	18.9	118.2	3.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(1) From the 1971-2000 Monthly Normals

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Station: HOGSETT R C BYRD DAM, WV

COOP ID: 464200

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 570 Feet** **Lat: 38˚41N** **Lon: 82˚11W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.14	3.02	2.12	1974	11	8.78	1994	.17	1981	13.7	7.6	2.0	.4	.60	.88	1.34	1.77	2.20	2.66	3.19	3.82	4.66	6.01	7.30
Feb	2.98	2.89	2.57	1994	9	7.68	1989	.44	1978	11.5	6.6	1.7	.5	.77	1.05	1.48	1.86	2.24	2.64	3.08	3.60	4.28	5.36	6.37
Mar	3.63	3.15	3.90	1997	2	9.59	1997	1.38	1979	13.4	8.2	2.4	.6	1.31	1.65	2.14	2.56	2.95	3.36	3.80	4.31	4.96	5.97	6.89
Apr	3.15	3.18	2.17	1970	24	5.93	1972	.93+	1976	12.7	7.7	2.2	.3	1.04	1.34	1.78	2.15	2.51	2.88	3.29	3.76	4.37	5.32	6.19
May	3.99	3.72	2.64	1968	28	7.71	1996	1.16	1991	12.6	8.5	2.9	.6	1.48	1.85	2.39	2.84	3.26	3.70	4.18	4.73	5.43	6.51	7.50
Jun	3.69	3.42	2.40	1998	29	8.41	1998	.52	1988	10.4	7.5	2.5	.8	1.22	1.57	2.08	2.52	2.94	3.37	3.85	4.40	5.11	6.22	7.24
Jul	4.53	3.95	4.70	1996	31	10.12	1971	1.32	1975	10.7	7.8	3.1	1.1	1.51	1.94	2.57	3.11	3.62	4.15	4.73	5.41	6.27	7.62	8.87
Aug	3.90	3.58	3.52	1964	23	9.61	1979	.68	1998	9.4	6.7	2.6	1.1	1.22	1.59	2.14	2.61	3.07	3.54	4.06	4.66	5.45	6.67	7.80
Sep	2.92	2.86	3.38	1969	7	5.91	1976	.41	1985	8.8	6.0	2.1	.6	.69	.97	1.39	1.77	2.15	2.55	3.00	3.54	4.24	5.35	6.40
Oct	2.70	2.44	4.36	1985	21	7.14	1983	.61	2000	9.2	5.5	1.7	.5	.60	.84	1.24	1.60	1.95	2.33	2.76	3.27	3.95	5.02	6.03
Nov	3.10	2.90	2.18	1962	10	6.43	1986	.38	1976	11.3	6.8	1.9	.7	.95	1.24	1.68	2.06	2.42	2.80	3.22	3.71	4.35	5.33	6.25
Dec	3.23	2.91	2.98	1978	9	8.57	1990	1.18	1989	13.1	7.3	1.7	.6	1.18	1.48	1.92	2.29	2.63	2.99	3.38	3.83	4.41	5.29	6.11
Ann	40.96	40.79	4.70	Jul 1996	31	10.12	Jul 1971	.17	Jan 1981	136.8	86.2	26.8	7.8	30.90	32.89	35.42	37.33	39.01	40.62	42.28	44.10	46.30	49.47	52.19

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Station: HOGSETT R C BYRD DAM, WV **COOP ID: 464200**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 570 Feet** **Lat: 38°41N** **Lon: 82°11W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	2.8	.1	1	#	6.5	1978	20	8.0	1976	16	1978	21	6	1978	3.1	1.5	.6	.2	.0	2.4	1.5	1.0	.1
Feb	2.3	.0	1	#	6.0	1996	3	10.4	1978	10	1985	3	5	1978	1.5	.8	.1	.1	.0	2.1	1.8	1.3	.0
Mar	2.4	.0	#	#	20.0	1993	14	22.0	1993	20	1993	14	4	1975	.8	.4	.2	.1	.1	.9	.5	.4	.1
Apr	#	.0	#	0	#	1980	15	#+	1980	7	1987	5	#+	1987	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1972	19	#	1972	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.1	.0	#	0	1.0	1976	29	1.8	1976	1	1976	30	#+	1996	.1	@	.0	.0	.0	.1	.0	.0	.0
Dec	.4	.1	#	#	4.0	1993	29	4.0	1993	2+	1999	29	1	1989	1.2	.5	.1	.0	.0	.5	.0	.0	.0
Ann	8.0	.2	N/A	N/A	20.0	Mar 1993	14	22.0	Mar 1993	20	Mar 1993	14	6	Jan 1978	6.7	3.2	1.0	.4	.1	6.0	3.8	2.7	.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: HOGSETT R C BYRD DAM, WV **COOP ID: 464200**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 570 Feet** **Lat: 38˚41N** **Lon: 82˚11W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/24	5/18	5/14	5/10	5/06	5/03	4/29	4/24	4/18
32	5/13	5/07	5/02	4/28	4/24	4/21	4/16	4/12	4/05
28	4/27	4/22	4/18	4/14	4/11	4/08	4/04	3/31	3/26
24	4/12	4/07	4/03	3/31	3/27	3/24	3/21	3/17	3/12
20	4/06	3/29	3/24	3/19	3/15	3/11	3/06	3/01	2/22
16	3/25	3/16	3/09	3/03	2/26	2/21	2/15	2/09	1/31

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/26	10/01	10/04	10/06	10/09	10/12	10/14	10/18	10/22
32	10/06	10/11	10/15	10/18	10/21	10/24	10/28	11/01	11/06
28	10/14	10/20	10/25	10/29	11/02	11/05	11/09	11/14	11/21
24	10/29	11/03	11/07	11/10	11/13	11/16	11/19	11/23	11/28
20	11/06	11/12	11/17	11/22	11/26	11/29	12/04	12/09	12/16
16	11/11	11/22	11/29	12/05	12/11	12/17	12/23	12/30	1/09

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	180	171	165	160	155	150	145	139	131
32	207	198	191	185	179	174	168	161	151
28	234	224	216	210	204	198	192	185	174
24	254	246	240	235	230	225	220	214	205
20	286	275	268	261	255	248	242	234	223
16	323	309	299	291	284	277	269	261	248

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: HOGSETT R C BYRD DAM, WV **COOP ID: 464200**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 570 Feet** **Lat: 38˚41N** **Lon: 82˚11W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1050	858	669	366	160	18	3	7	53	314	597	904	4999
60	895	718	517	228	82	3	0	0	15	197	451	749	3855
57	802	634	431	157	48	1	0	0	6	140	368	660	3247
55	741	580	374	116	32	0	0	0	3	109	315	603	2873
50	598	450	249	44	10	0	0	0	0	50	198	461	2060
32	185	104	21	0	0	0	0	0	0	0	9	106	425

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	159	170	375	627	939	1158	1332	1291	1051	730	402	225	8459
55	1	2	16	53	258	469	619	578	364	126	18	9	2513
57	0	0	10	33	213	409	557	516	306	95	11	5	2155
60	0	0	4	15	153	322	464	423	226	59	4	0	1670
65	0	0	0	2	77	186	312	275	114	21	0	0	987
70	0	0	0	0	30	82	172	147	41	5	0	0	477

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	42	66	186	390	691	917	1080	1042	812	486	207	77	42	108	294	684	1375	2292	3372	4414	5226	5712	5919	5996
45	15	28	106	264	536	767	925	887	662	338	119	32	15	43	149	413	949	1716	2641	3528	4190	4528	4647	4679
50	4	9	56	156	382	617	770	732	512	207	62	14	4	13	69	225	607	1224	1994	2726	3238	3445	3507	3521
55	0	0	22	83	251	467	615	577	365	111	24	4	0	0	22	105	356	823	1438	2015	2380	2491	2515	2519
60	0	0	7	37	140	323	460	423	230	50	5	0	0	0	7	44	184	507	967	1390	1620	1670	1675	1675
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	34	53	144	260	442	607	732	707	525	304	138	50	34	87	231	491	933	1540	2272	2979	3504	3808	3946	3996

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
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Climatography of the United States No. 20 1971-2000

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HUNTINGTON TRI STATE, WV **COOP ID: 464393**

Climate Division: WV 3 **NWS Call Sign: HTS** **Elevation: 824 Feet** **Lat: 38˚22N** **Lon: 82˚33W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.0	24.5	32.7	76	1999	22	41.9	1990	-21	1994	19	19.0	1977	991	0	.0	.0	8.4	8.0	23.1	1.0
Feb	46.1	27.5	36.8	79	1977	26	45.7	1976	-9	1996	4	24.0	1978	796	0	.0	.0	11.5	5.1	19.1	.1
Mar	56.3	35.5	45.9	86	1989	28	52.5	1973	-2	1980	3	40.1	1996	596	8	.0	.0	21.0	.7	12.9	@
Apr	66.6	43.7	55.2	92	1985	21	60.2	1981	20	1985	10	50.3	1982	308	25	.0	.1	28.0	.0	3.5	.0
May	74.6	52.6	63.6	93	1991	30	71.4	1991	27	1966	10	58.7	1997	116	82	.0	.5	31.0	.0	.1	.0
Jun	81.7	60.9	71.3	100	1988	25	74.8	1994	40+	1966	1	65.6	1972	14	216	@	4.0	30.0	.0	.0	.0
Jul	85.1	65.4	75.3	102+	1988	8	80.3	1999	46	1968	5	71.5	1976	2	337	.3	8.3	31.0	.0	.0	.0
Aug	83.7	64.1	73.9	100+	1964	3	79.2	1983	43+	1965	29	69.2	1982	2	294	.1	6.7	31.0	.0	.0	.0
Sep	77.0	56.8	66.9	97+	1983	10	72.5	1998	31	1983	24	62.0	1976	55	128	.0	1.6	30.0	.0	@	.0
Oct	66.4	44.8	55.6	87	1997	13	63.4	1971	16	1962	27	48.8	1988	294	18	.0	.0	30.1	.0	2.8	.0
Nov	55.1	36.6	45.9	83	1961	3	52.8	1985	8	1964	22	38.1	1976	560	3	.0	.0	20.0	.2	11.1	.0
Dec	45.3	28.9	37.1	80	1982	3	45.3	1984	-13	1989	23	25.2	1989	849	0	.0	.0	11.9	4.2	19.2	.3
Ann	64.9	45.1	55.0	102+	Jul 1988	8	80.3	Jul 1999	-21	Jan 1994	19	19.0	Jan 1977	4583	1111	.4	21.2	283.9	18.2	91.8	1.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1961-2001

(3) Derived from 1971-2000 serially complete daily data

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Station: HUNTINGTON TRI STATE, WV

COOP ID: 464393

Climate Division: WV 3 **NWS Call Sign: HTS** **Elevation: 824 Feet** **Lat: 38˚22N** **Lon: 82˚33W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.21	2.71	2.50	1974	10	6.37	1978	.64	1981	14.1	7.6	2.0	.4	1.03	1.33	1.78	2.17	2.54	2.92	3.34	3.84	4.47	5.46	6.38
Feb	3.09	2.63	2.83	2000	18	8.67	1989	.76	1977	12.6	7.0	1.8	.5	1.08	1.37	1.79	2.15	2.49	2.84	3.22	3.67	4.24	5.12	5.93
Mar	3.83	3.19	3.17	1997	1	8.62	1994	1.55	1986	13.6	8.2	2.2	.6	1.37	1.73	2.25	2.69	3.10	3.53	4.00	4.54	5.24	6.31	7.29
Apr	3.33	3.27	1.91	1966	30	6.79	1998	.74	1976	12.9	7.7	2.2	.5	1.00	1.32	1.79	2.20	2.60	3.01	3.46	4.00	4.69	5.77	6.77
May	4.41	4.13	3.73	1990	28	9.26	1974	1.20	1991	13.2	8.6	3.0	.8	1.66	2.07	2.66	3.15	3.62	4.10	4.61	5.21	5.97	7.14	8.21
Jun	3.88	4.12	2.78	1979	21	7.63	1979	.77	1988	11.8	7.8	3.1	.7	1.32	1.69	2.22	2.68	3.11	3.56	4.05	4.62	5.36	6.49	7.54
Jul	4.46	4.33	3.07	1962	1	7.94	1980	1.37	1974	11.2	7.6	2.8	1.1	1.76	2.17	2.75	3.24	3.70	4.16	4.67	5.25	5.99	7.13	8.16
Aug	3.88	4.01	3.01	1999	24	6.93	1989	1.03	1981	9.7	6.1	2.9	1.1	1.35	1.72	2.25	2.70	3.13	3.57	4.05	4.61	5.33	6.44	7.46
Sep	2.80	2.63	2.23	1964	28	6.32	1989	.35	1985	8.6	5.6	1.9	.5	.64	.90	1.31	1.68	2.05	2.44	2.88	3.40	4.09	5.19	6.22
Oct	2.73	2.55	2.71	1985	20	5.71	1983	.55	1987	9.2	5.4	1.8	.6	.75	1.01	1.40	1.75	2.08	2.44	2.83	3.29	3.89	4.84	5.72
Nov	3.32	3.13	2.55	1986	8	7.40	1985	.73	1976	11.3	6.9	2.3	.7	1.18	1.50	1.95	2.33	2.69	3.07	3.47	3.95	4.55	5.48	6.34
Dec	3.37	2.92	3.00	1978	8	8.69	1978	1.50	1971	12.9	7.1	2.3	.6	1.34	1.65	2.09	2.45	2.80	3.15	3.53	3.96	4.52	5.37	6.14
Ann	42.31	40.62	3.73	May 1990	28	9.26	May 1974	.35	Sep 1985	141.1	85.6	28.3	8.1	32.60	34.54	36.99	38.83	40.45	42.00	43.60	45.35	47.45	50.47	53.06

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1961-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: HUNTINGTON TRI STATE, WV **COOP ID: 464393**

Climate Division: WV 3 **NWS Call Sign: HTS** **Elevation: 824 Feet** **Lat: 38°22N** **Lon: 82°33W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.9	7.4	1	1	10.4	1975	12	30.3	1978	20	1978	20	6+	1978	7.0	2.7	.8	.4	@	8.8	4.6	2.7	.5
Feb	7.5	5.7	1	1	10.0	1985	12	23.9	1986	13	1998	6	5+	1985	5.3	2.3	.8	.4	@	6.8	4.4	2.1	.4
Mar	4.7	4.1	#	0	21.1	1993	13	23.6	1993	22	1993	14	2	1993	3.3	1.4	.4	.1	@	2.1	1.1	.5	.1
Apr	.8	.0	#	0	6.8	1987	3	14.4	1987	14	1987	5	1	1987	.7	.1	.1	.1	.0	.1	.1	.1	@
May	.0	.0	#	0	.2	1989	7	.2	1989	0	0	0	#	1997	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.5	1993	31	1.5	1993	1	1993	31	#	1993	.1	.0	.0	.0	.0	@	.0	.0	.0
Nov	1.1	.2	#	0	4.0	1971	24	4.6	1987	4	1971	24	#	1995	1.3	.3	.1	.0	.0	.4	.1	.0	.0
Dec	3.1	2.0	#	0	5.7	1993	28	10.7	1993	5+	1993	30	1+	1993	4.1	1.0	.2	@	.0	2.6	.4	.1	.0
Ann	26.2	19.4	N/A	N/A	21.1	Mar 1993	13	30.3	Jan 1978	22	Mar 1993	14	6+	Jan 1978	21.8	7.8	2.4	1.0	@	20.8	10.7	5.5	1.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: HUNTINGTON TRI STATE, WV **COOP ID: 464393**

Climate Division: WV 3 **NWS Call Sign: HTS** **Elevation: 824 Feet** **Lat: 38˚22N** **Lon: 82˚33W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/16	5/11	5/07	5/03	4/30	4/27	4/24	4/20	4/15
32	5/03	4/28	4/24	4/20	4/17	4/14	4/11	4/07	4/01
28	4/19	4/14	4/11	4/08	4/05	4/02	3/30	3/26	3/21
24	4/05	3/31	3/27	3/24	3/22	3/19	3/16	3/12	3/07
20	3/26	3/18	3/12	3/07	3/02	2/26	2/21	2/15	2/07
16	3/15	3/08	3/03	2/26	2/22	2/18	2/13	2/08	2/01

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/28	10/02	10/05	10/07	10/09	10/12	10/14	10/17	10/21
32	10/03	10/09	10/13	10/16	10/20	10/23	10/27	10/31	11/06
28	10/15	10/21	10/25	10/29	11/01	11/05	11/08	11/12	11/18
24	10/27	11/01	11/05	11/09	11/12	11/16	11/19	11/23	11/29
20	11/09	11/16	11/21	11/25	11/29	12/03	12/07	12/12	12/19
16	11/15	11/25	12/02	12/09	12/15	12/20	12/27	1/03	1/13

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	181	174	169	165	161	158	153	149	142
32	209	201	195	190	185	180	175	169	161
28	232	225	219	214	210	205	201	195	187
24	258	250	244	240	235	230	226	220	212
20	300	290	283	277	271	265	259	252	243
16	323	312	304	298	292	286	280	273	263

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: HUNTINGTON TRI STATE, WV **COOP ID: 464393**

Climate Division: WV 3 **NWS Call Sign: HTS** **Elevation: 824 Feet** **Lat: 38˚22N** **Lon: 82˚33W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	991	796	596	308	116	14	2	2	55	294	560	849	4583
60	846	650	444	179	59	3	0	0	19	199	428	711	3538
57	761	570	359	120	32	1	0	0	8	143	346	626	2966
55	701	518	305	87	20	0	0	0	4	111	293	567	2606
50	558	390	191	31	5	0	0	0	1	52	180	427	1835
32	172	80	10	0	0	0	0	0	0	0	6	90	358

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	161	218	452	705	992	1195	1359	1318	1068	752	439	239	8898
55	4	8	45	125	294	505	646	605	382	125	39	10	2788
57	3	5	33	97	242	445	584	543	326	93	27	6	2404
60	1	2	21	63	172	357	491	451	246	56	14	3	1877
65	0	0	8	25	82	216	337	294	128	18	3	0	1111
70	0	0	2	5	27	104	189	156	56	3	0	0	542

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	62	105	258	480	756	964	1121	1081	837	513	248	108	62	167	425	905	1661	2625	3746	4827	5664	6177	6425	6533
45	35	58	163	345	601	814	966	926	687	364	157	55	35	93	256	601	1202	2016	2982	3908	4595	4959	5116	5171
50	11	25	89	221	447	664	811	771	537	234	86	29	11	36	125	346	793	1457	2268	3039	3576	3810	3896	3925
55	2	10	44	132	304	514	656	616	390	133	44	8	2	12	56	188	492	1006	1662	2278	2668	2801	2845	2853
60	0	1	24	67	176	365	501	461	254	59	14	0	0	1	25	92	268	633	1134	1595	1849	1908	1922	1922
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	36	63	161	293	477	650	774	743	541	309	141	58	36	99	260	553	1030	1680	2454	3197	3738	4047	4188	4246

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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www.ncdc.noaa.gov

Station: HUNTINGTON SEWAGE PLNT, WV **COOP ID: 464397**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 520 Feet** **Lat: 38˚25N** **Lon: 82˚31W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.7	23.5	32.1	78	1999	23	41.1	1990	-19+	1994	19	17.6	1977	1020	0	.0	.0	9.4	6.6	23.6	.8
Feb	46.1	25.1	35.6	79+	1999	12	43.1	1976	-9+	1996	4	22.5	1978	825	0	.0	.0	12.7	3.2	20.0	.2
Mar	55.7	32.7	44.2	88	1986	31	51.4	1973	-2	1980	3	37.1	1984	644	0	.0	.0	22.9	.6	14.0	@
Apr	67.1	41.1	54.1	94+	1986	26	59.1	1981	22	1985	10	48.9	1983	333	6	.0	.3	28.4	.0	4.2	.0
May	75.7	51.7	63.7	95	1987	28	71.2	1991	31	1977	10	57.7	1989	131	91	.0	1.2	31.0	.0	.2	.0
Jun	83.3	60.9	72.1	98	1999	11	75.3	1987	38	1972	11	66.7	1972	10	222	.1	6.2	30.0	.0	.0	.0
Jul	87.1	65.5	76.3	102+	1988	8	81.4	1999	47	1988	2	73.0	1984	0	350	.4	11.2	31.0	.0	.0	.0
Aug	85.5	64.2	74.9	102	1999	1	80.9	1987	44	1986	29	70.9	1976	4	309	.2	9.2	31.0	.0	.0	.0
Sep	79.2	56.3	67.8	99	1998	15	73.2	1998	35	1991	27	63.6	1974	46	127	.0	2.7	30.0	.0	.0	.0
Oct	68.7	44.2	56.5	89	1969	13	62.9	1971	22	1976	29	50.0	1976	288	23	.0	.0	30.7	.0	3.0	.0
Nov	56.6	35.2	45.9	88	1987	2	52.0	1985	11	1976	30	37.7	1976	573	0	.0	.0	21.6	.2	11.1	.0
Dec	46.1	28.2	37.2	80+	1982	2	45.6	1971	1	1989	18	23.7	1989	863	0	.0	.0	12.9	3.1	19.6	.3
Ann	66.0	44.1	55.0	102+	Aug 1999	1	81.4	Jul 1999	-19+	Jan 1994	19	17.6	Jan 1977	4737	1128	.7	30.8	291.6	13.7	95.7	1.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1967-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: HUNTINGTON SEWAGE PLNT, WV

COOP ID: 464397

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 520 Feet** **Lat: 38˚25N** **Lon: 82˚31W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.31	2.74	2.35	1974	10	8.79	1987	.83	1981	12.6	7.2	2.2	.4	.92	1.24	1.71	2.13	2.54	2.96	3.43	3.98	4.70	5.83	6.89
Feb	2.90	2.70	2.25	2000	19	5.35	2000	.54	1977	10.4	6.1	1.8	.6	1.01	1.28	1.68	2.01	2.34	2.67	3.03	3.45	3.99	4.82	5.58
Mar	3.70	3.14	3.10	1997	1	8.49	1994	1.67	1979	12.6	8.3	2.2	.5	1.43	1.77	2.26	2.67	3.05	3.45	3.87	4.36	4.99	5.95	6.82
Apr	3.30	3.40	1.60	1972	22	6.71	1972	.51	1976	11.5	7.6	2.2	.5	1.08	1.39	1.85	2.25	2.62	3.01	3.44	3.94	4.58	5.57	6.49
May	4.46	4.28	3.50	1990	28	8.88	1990	1.55	1999	12.1	8.4	3.4	.7	1.96	2.36	2.91	3.37	3.79	4.22	4.67	5.20	5.86	6.87	7.78
Jun	3.91	3.99	2.90	1979	21	7.55	1979	.83	1988	10.6	7.7	2.6	.9	1.39	1.76	2.29	2.74	3.17	3.61	4.09	4.64	5.35	6.45	7.46
Jul	4.38	4.19	2.75+	1980	3	7.63	1996	1.00	1999	10.4	7.2	2.9	1.1	1.86	2.26	2.81	3.27	3.70	4.13	4.60	5.13	5.81	6.84	7.77
Aug	3.77	3.92	2.80	1999	25	8.41	1979	.83	1971	9.5	6.6	2.6	1.0	1.32	1.67	2.19	2.63	3.04	3.47	3.94	4.48	5.18	6.25	7.24
Sep	2.72	2.65	2.72	1995	17	7.14	1989	.45	1985	8.6	5.2	2.1	.5	.62	.87	1.27	1.63	1.99	2.37	2.79	3.30	3.97	5.04	6.04
Oct	2.85	2.51	2.05	1984	28	6.92	1983	.53	2000	8.1	5.2	1.8	.7	.76	1.03	1.45	1.81	2.16	2.54	2.95	3.44	4.08	5.08	6.02
Nov	3.19	3.00	1.62	1996	8	7.35	1985	.55	1976	11.4	6.9	2.1	.5	.94	1.24	1.70	2.09	2.47	2.87	3.31	3.82	4.49	5.54	6.51
Dec	3.25	2.94	2.00	2000	18	8.22	1990	1.14	1996	11.4	6.5	1.9	.6	1.24	1.54	1.98	2.34	2.68	3.03	3.41	3.84	4.40	5.26	6.04
Ann	41.74	41.41	3.50	May 1990	28	8.88	May 1990	.45	Sep 1985	129.2	82.9	27.8	8.0	32.98	34.75	36.97	38.63	40.09	41.49	42.92	44.48	46.36	49.05	51.35

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1967-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: HUNTINGTON SEWAGE PLNT, WV **COOP ID: 464397**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 520 Feet** **Lat: 38°25N** **Lon: 82°31W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.3	1.8	1	#	10.0	1996	7	20.4	1977	17	1978	20	5	1978	3.3	2.0	.9	.2	.1	5.3	3.9	2.8	.2
Feb	4.8	3.6	1	#	8.0	1986	11	21.2	1985	11	1985	13	4	1985	2.3	1.5	.7	.2	.0	4.2	2.4	.9	.1
Mar	2.4	.5	#	0	5.0	1971	3	10.4	1971	10	1993	15	1	1993	1.1	.7	.3	.1	.0	.8	.5	.2	.0
Apr	.0	.0	0	0	.1	1973	11	.1	1973	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.5	1972	19	.5	1972	0	0	0	0	0	@	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.3	.0	#	0	3.0	1971	24	4.3	1971	1+	1976	29	#+	1976	.3	.1	@	.0	.0	.1	.0	.0	.0
Dec	1.4	.5	#	#	4.2	1993	29	7.0	1981	5	1993	29	1	1993	1.1	.7	.1	.0	.0	.9	.2	.1	.0
Ann	14.2	6.4	N/A	N/A	10.0	Jan 1996	7	21.2	Feb 1985	17	Jan 1978	20	5	Jan 1978	8.1	5.0	2.0	.5	.1	11.3	7.0	4.0	.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 520 Feet** **Lat: 38˚25N** **Lon: 82˚31W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/16	5/11	5/07	5/04	5/01	4/28	4/25	4/21	4/16
32	5/03	4/28	4/25	4/22	4/19	4/16	4/13	4/09	4/04
28	4/21	4/15	4/12	4/08	4/05	4/02	3/30	3/27	3/21
24	4/07	4/01	3/28	3/24	3/21	3/17	3/14	3/10	3/04
20	3/23	3/15	3/09	3/05	2/28	2/24	2/19	2/13	2/06
16	3/17	3/09	3/03	2/26	2/21	2/16	2/10	2/04	1/27

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/29	10/04	10/07	10/10	10/12	10/15	10/18	10/21	10/25
32	10/08	10/14	10/18	10/21	10/24	10/27	10/31	11/03	11/09
28	10/19	10/25	10/29	11/01	11/05	11/08	11/12	11/16	11/21
24	11/04	11/09	11/12	11/15	11/18	11/20	11/23	11/26	12/01
20	11/09	11/16	11/22	11/26	12/01	12/05	12/09	12/15	12/22
16	11/26	12/03	12/08	12/12	12/16	12/20	12/25	12/30	1/06

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	186	178	173	168	164	159	155	149	142
32	212	203	197	192	188	183	178	172	164
28	239	230	224	218	213	207	202	195	186
24	262	255	250	245	241	237	232	227	220
20	300	291	285	280	275	270	264	258	249
16	332	320	312	305	298	291	284	276	264

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 520 Feet** **Lat: 38˚25N** **Lon: 82˚31W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1020	825	644	333	131	10	0	4	46	288	573	863	4737
60	865	685	495	205	61	1	0	0	12	175	426	708	3633
57	775	601	410	141	34	0	0	0	4	121	343	623	3052
55	719	548	355	106	21	0	0	0	2	92	289	564	2696
50	575	419	235	43	6	0	0	0	0	39	173	424	1914
32	182	88	19	0	0	0	0	0	0	0	5	89	383

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	186	188	398	663	984	1203	1373	1328	1072	758	422	249	8824
55	10	3	21	79	292	513	660	615	384	136	16	11	2740
57	4	0	14	55	242	453	598	553	326	104	10	8	2367
60	0	0	6	28	177	364	505	460	244	65	3	0	1852
65	0	0	0	6	91	222	350	309	127	23	0	0	1128
70	0	0	0	1	36	106	203	175	49	6	0	0	576

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	64	101	260	481	769	989	1143	1113	869	551	260	106	64	165	425	906	1675	2664	3807	4920	5789	6340	6600	6706
45	28	51	160	342	614	839	988	958	719	402	161	53	28	79	239	581	1195	2034	3022	3980	4699	5101	5262	5315
50	8	20	88	218	460	689	833	803	569	266	89	23	8	28	116	334	794	1483	2316	3119	3688	3954	4043	4066
55	0	4	42	129	318	539	678	648	422	151	41	7	0	4	46	175	493	1032	1710	2358	2780	2931	2972	2979
60	0	0	19	62	191	389	523	493	282	72	11	1	0	0	19	81	272	661	1184	1677	1959	2031	2042	2043
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	42	75	175	310	493	667	785	767	574	352	158	65	42	117	292	602	1095	1762	2547	3314	3888	4240	4398	4463

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: LEWISBURG 3 N, WV **COOP ID: 465224**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,303 Feet** **Lat: 37˚51N** **Lon: 80˚24W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.3	19.2	28.8	75	1950	26	39.2	1974	-20	1985	21	15.7	1977	1124	0	.0	.0	6.4	7.2	26.6	1.6
Feb	43.0	21.2	32.1	76	1961	24	38.3	1976	-10+	1996	5	22.5	1978	922	0	.0	.0	10.2	4.4	23.1	.7
Mar	52.3	28.0	40.2	83	1973	14	46.7	1973	-6	1993	15	33.5	1996	770	0	.0	.0	20.1	1.2	18.9	@
Apr	62.3	36.4	49.4	91	1984	27	54.6	1986	13	1950	15	43.5	1987	470	0	.0	.1	26.9	.1	9.3	.0
May	71.2	46.6	58.9	90+	1962	18	63.8	1991	25+	1960	2	52.8	1997	215	25	.0	.1	30.7	.0	2.0	.0
Jun	77.8	55.0	66.4	95	1971	6	71.3	1984	32	1993	2	61.7	1972	54	96	.0	1.0	30.0	.0	@	.0
Jul	81.3	59.5	70.4	98	1988	17	73.5	1986	35+	1961	10	67.2	1996	8	175	.0	3.3	31.0	.0	.0	.0
Aug	80.2	57.8	69.0	97	1983	21	73.2	1988	35+	1962	11	65.4	1976	16	139	.0	1.8	31.0	.0	.0	.0
Sep	74.0	51.2	62.6	97	1953	2	67.0	1978	24	1956	21	59.1	1974	113	39	.0	.5	30.0	.0	.5	.0
Oct	64.3	38.4	51.4	94	1953	1	62.4	1984	11	1962	28	43.9	1988	433	11	.0	.0	29.3	.0	8.7	.0
Nov	52.3	29.9	41.1	80	1974	3	51.4	1985	3	1958	30	33.5	1976	718	0	.0	.0	19.2	.9	17.0	.0
Dec	42.2	23.0	32.6	75	1982	4	42.7	1984	-22	1989	23	18.2	1989	1004	0	.0	.0	9.9	5.0	24.1	.7
Ann	61.6	38.9	50.2	98	Jul 1988	17	73.5	Jul 1986	-22	Dec 1989	23	15.7	Jan 1977	5847	485	.0	6.8	274.7	18.8	130.2	3.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(2) Derived from station's available digital record: 1948-2001

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COOP ID: 465224

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,303 Feet** **Lat: 37°51N** **Lon: 80°24W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.19	3.33	2.17	1979	21	6.88	1996	.36	1983	12.2	7.3	1.9	.4	.92	1.23	1.68	2.08	2.47	2.87	3.31	3.84	4.52	5.58	6.57
Feb	2.92	2.69	2.00	1971	13	5.68	1971	.95	1980	11.6	6.9	1.6	.6	1.27	1.53	1.90	2.19	2.47	2.75	3.06	3.40	3.84	4.50	5.11
Mar	3.62	3.36	2.00	1963	11	7.56	1991	1.05	1988	12.2	8.1	2.7	.5	1.35	1.69	2.17	2.58	2.96	3.36	3.78	4.28	4.91	5.88	6.78
Apr	3.28	3.06	2.42	1978	26	7.57	1984	.20	1986	11.6	7.1	2.2	.7	.89	1.20	1.67	2.09	2.49	2.92	3.39	3.95	4.68	5.83	6.90
May	4.23	4.18	3.10	1959	23	7.93	1996	1.57	1993	12.2	8.4	2.8	.9	1.90	2.27	2.79	3.22	3.61	4.01	4.44	4.92	5.54	6.47	7.31
Jun	3.75	3.42	2.91	1972	17	8.66	1972	.84	1991	11.2	7.6	2.4	.7	1.09	1.45	1.98	2.45	2.90	3.37	3.89	4.51	5.30	6.55	7.71
Jul	4.16	3.70	4.06	1954	19	8.65	1978	1.81	1989	11.5	7.8	3.0	.9	1.75	2.12	2.66	3.09	3.50	3.92	4.36	4.88	5.53	6.52	7.42
Aug	3.59	3.73	4.00	1975	31	8.35	1980	.97	1981	9.7	6.5	2.3	.9	1.09	1.43	1.94	2.38	2.80	3.24	3.73	4.30	5.03	6.18	7.24
Sep	2.94	3.17	4.03	1964	29	6.21	1993	.03	1985	8.6	5.7	2.0	.7	.43	.68	1.10	1.51	1.93	2.40	2.93	3.59	4.48	5.92	7.31
Oct	2.77	2.32	3.32	1954	15	6.67	1976	.04	2000	8.7	5.4	1.8	.7	.44	.68	1.08	1.46	1.86	2.29	2.78	3.39	4.19	5.50	6.76
Nov	3.05	2.99	3.00	1985	4	7.78	1985	1.42	1976	10.6	6.5	2.1	.7	1.24	1.52	1.92	2.24	2.55	2.86	3.19	3.58	4.07	4.82	5.50
Dec	3.10	2.64	2.76	1948	15	6.16+	1991	.76	1980	11.3	7.3	2.1	.5	1.17	1.46	1.88	2.22	2.55	2.88	3.24	3.66	4.20	5.02	5.77
Ann	40.60	39.39	4.06	Jul 1954	19	8.66	Jun 1972	.03	Sep 1985	131.4	84.6	26.9	8.2	31.20	33.07	35.44	37.22	38.79	40.29	41.84	43.53	45.57	48.50	51.01

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
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Station: LEWISBURG 3 N, WV **COOP ID: 465224**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,303 Feet** **Lat: 37°51N** **Lon: 80°24W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.8	5.4	2	1	17.0	1998	28	17.0	1998	33	1996	13	9	1996	3.4	2.8	1.0	.5	.1	6.4	3.7	2.5	1.0
Feb	7.0	5.9	1	1	19.5	1983	11	20.0	1996	19	1983	13	9	1983	3.0	2.5	.8	.3	@	5.9	3.3	1.6	.1
Mar	4.0	4.3	#	#	20.0	1993	14	20.0	1993	24	1993	16	4	1993	1.5	1.4	.5	.3	@	2.4	1.1	.7	.3
Apr	.6	.0	#	0	5.0	1989	9	5.2	1987	7	1987	5	1	1987	.3	.2	.1	@	.0	.2	@	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1983	24	#	1983	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	4.0	1973	29	4.0	1973	3	1993	31	#+	2000	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	1.5	.0	#	#	6.5	1971	24	9.0	1976	7	1971	24	2	1989	.6	.5	.1	.1	.0	.7	.3	.1	.0
Dec	4.6	1.8	1	#	11.0	1997	30	17.0	1997	14	1997	31	5	1989	2.2	1.8	.6	.2	.1	4.4	2.5	1.4	.2
Ann	23.7	17.4	N/A	N/A	20.0	Mar 1993	14	20.0+	Feb 1996	33	Jan 1996	13	9+	Jan 1996	11.1	9.3	3.1	1.4	.2	20.1	10.9	6.3	1.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,303 Feet** **Lat: 37˚51N** **Lon: 80˚24W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	6/01	5/27	5/24	5/20	5/17	5/13	5/09	5/03
32	5/23	5/18	5/14	5/12	5/09	5/06	5/03	4/30	4/25
28	5/08	5/03	4/29	4/26	4/23	4/20	4/17	4/13	4/08
24	4/18	4/14	4/11	4/09	4/06	4/04	4/02	3/30	3/26
20	4/13	4/08	4/04	4/01	3/29	3/26	3/23	3/19	3/14
16	3/30	3/23	3/18	3/14	3/10	3/06	3/02	2/25	2/18

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/14	9/18	9/21	9/24	9/26	9/29	10/01	10/04	10/08
32	9/24	9/27	9/30	10/02	10/03	10/05	10/07	10/10	10/13
28	9/27	10/03	10/07	10/11	10/15	10/18	10/22	10/27	11/02
24	10/08	10/14	10/19	10/23	10/27	10/31	11/04	11/09	11/16
20	10/23	10/29	11/02	11/06	11/09	11/13	11/16	11/21	11/27
16	10/30	11/06	11/11	11/16	11/20	11/25	11/29	12/05	12/12

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	146	140	136	132	128	125	121	116	110
32	164	158	154	150	147	144	140	136	130
28	201	192	185	179	174	169	163	157	148
24	224	217	212	207	203	199	194	189	182
20	247	239	234	229	224	220	215	209	201
16	280	271	265	260	255	250	244	238	230

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,303 Feet** **Lat: 37˚51N** **Lon: 80˚24W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1124	922	770	470	215	54	8	16	113	433	718	1004	5847
60	969	782	615	325	112	13	0	1	42	299	569	849	4576
57	876	698	524	245	67	4	0	0	20	230	481	756	3901
55	814	642	465	197	44	2	0	0	12	190	425	697	3488
50	663	502	325	99	12	0	0	0	2	108	293	553	2557
32	213	104	31	0	0	0	0	0	0	3	26	155	532

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	112	107	284	520	833	1032	1190	1146	917	604	298	174	7217
55	0	0	5	27	164	344	477	433	238	78	7	3	1776
57	0	0	2	15	125	287	415	371	187	56	3	0	1461
60	0	0	0	5	77	205	322	279	119	32	1	0	1040
65	0	0	0	0	25	96	175	139	39	11	0	0	485
70	0	0	0	0	5	29	65	46	6	2	0	0	153

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	32	60	172	363	627	834	984	950	724	407	168	61	32	92	264	627	1254	2088	3072	4022	4746	5153	5321	5382
45	8	23	93	236	475	684	829	795	574	270	88	28	8	31	124	360	835	1519	2348	3143	3717	3987	4075	4103
50	0	7	42	138	331	534	674	640	427	157	40	9	0	7	49	187	518	1052	1726	2366	2793	2950	2990	2999
55	0	0	13	69	199	384	519	485	287	77	9	0	0	0	13	82	281	665	1184	1669	1956	2033	2042	2042
60	0	0	2	23	96	244	365	330	165	32	0	0	0	0	2	25	121	365	730	1060	1225	1257	1257	1257
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	24	48	126	243	397	543	662	633	464	272	115	35	24	72	198	441	838	1381	2043	2676	3140	3412	3527	3562

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: LOGAN, WV **COOP ID: 465353**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 640 Feet** **Lat: 37˚52N** **Lon: 82˚00W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	43.1	25.1	34.1	81	1950	26	44.2	1974	-15+	1985	21	20.1	1977	958	0	.0	.0	9.4	5.9	23.1	1.0
Feb	48.4	26.7	37.6	81	2000	27	45.9	1990	-8+	1996	5	24.6	1978	769	0	.0	.0	13.1	3.7	19.5	.3
Mar	58.8	34.0	46.4	90	1989	29	51.9	1973	-2	1980	3	41.2	1971	576	0	.0	@	22.5	.6	13.9	.1
Apr	69.4	41.6	55.5	95	1957	29	61.2	1981	19	1969	1	49.8	1975	295	10	.0	.5	27.9	@	4.2	.0
May	77.5	51.3	64.4	96	1991	27	73.0	1991	29	1966	10	59.5	1973	123	105	.0	1.6	31.0	.0	.3	.0
Jun	84.2	60.8	72.5	101	1957	17	76.3	1994	35	1966	1	65.2	1972	17	243	.0	6.5	30.0	.0	.0	.0
Jul	87.6	65.8	76.7	104	1954	15	80.8	1993	46+	1988	1	72.7	1976	0	363	@	12.2	31.0	.0	.0	.0
Aug	86.2	64.6	75.4	102+	1953	31	81.3	1995	44	1965	29	70.7	1976	2	325	.1	8.8	31.0	.0	.0	.0
Sep	79.7	57.7	68.7	103+	1953	1	73.2	1980	34	1963	25	63.8	1976	37	148	.1	3.0	30.0	.0	.0	.0
Oct	68.4	44.9	56.7	96	1953	1	63.8	1984	18	1962	27	49.9	1976	287	28	.0	.0	30.4	.0	1.7	.0
Nov	57.3	35.7	46.5	87+	1948	6	54.7	1985	7	1950	25	38.1	1976	556	1	.0	.0	21.8	.2	12.1	.0
Dec	46.6	28.8	37.7	78	1971	16	44.9	1971	-8	1983	25	27.1	1989	847	0	.0	.0	13.2	3.5	20.1	.2
Ann	67.3	44.8	56.0	104	Jul 1954	15	81.3	Aug 1995	-15+	Jan 1985	21	20.1	Jan 1977	4467	1223	.2	32.6	291.3	13.9	94.9	1.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 640 Feet** **Lat: 37˚52N** **Lon: 82˚00W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.40	3.10	2.40	1974	11	7.08	1979	1.26	1981	14.4	8.2	2.3	.3	1.15	1.47	1.95	2.34	2.73	3.12	3.55	4.05	4.70	5.70	6.62
Feb	3.37	3.36	2.49	1962	27	6.56	1972	.95	1977	12.7	7.9	2.2	.6	1.32	1.63	2.07	2.44	2.79	3.14	3.53	3.97	4.54	5.40	6.19
Mar	4.10	3.42	3.03	1963	12	10.11	1994	1.48	1988	14.0	9.4	2.6	.7	1.54	1.92	2.47	2.93	3.36	3.81	4.29	4.85	5.56	6.66	7.66
Apr	3.71	3.83	2.32	1972	14	8.23	1972	.85	1976	12.9	8.4	2.6	.6	1.25	1.60	2.12	2.55	2.97	3.40	3.87	4.42	5.13	6.23	7.24
May	5.02	4.57	3.91	1974	30	10.40	1996	1.36	1999	14.8	9.4	3.4	1.1	2.07	2.53	3.18	3.71	4.21	4.72	5.26	5.89	6.69	7.91	9.02
Jun	4.68	4.26	3.04	1963	29	9.35	1979	1.18	1988	12.1	8.7	3.3	1.1	1.62	2.06	2.70	3.25	3.77	4.30	4.89	5.57	6.44	7.79	9.03
Jul	5.11	4.81	2.75	1954	22	9.31	1971	1.64	1995	11.9	8.7	3.8	1.4	2.24	2.70	3.34	3.86	4.35	4.84	5.36	5.97	6.73	7.88	8.93
Aug	4.11	4.04	4.02	1976	14	7.22	1977	.85	1981	9.8	7.1	3.2	.9	1.37	1.76	2.33	2.81	3.28	3.76	4.29	4.90	5.70	6.92	8.06
Sep	3.52	3.41	3.26	1954	20	6.75	1976	.47	1978	9.9	6.8	2.7	.8	.97	1.31	1.81	2.26	2.69	3.14	3.65	4.24	5.01	6.23	7.36
Oct	3.00	2.85	2.10	1982	11	5.91	1976	.95	2000	9.4	6.1	2.2	.6	1.04	1.33	1.74	2.08	2.42	2.76	3.13	3.57	4.12	4.98	5.77
Nov	3.36	3.20	2.38	1973	28	7.39	1985	1.15	1976	11.3	7.1	2.2	.7	1.21	1.53	1.99	2.37	2.73	3.11	3.51	3.99	4.59	5.52	6.38
Dec	3.78	3.10	3.20	1991	3	9.98	1978	1.97	1994	13.9	7.8	2.6	.7	1.37	1.72	2.24	2.67	3.08	3.50	3.96	4.49	5.17	6.21	7.17
Ann	47.16	46.16	4.02	Aug 1976	14	10.40	May 1996	.47	Sep 1978	147.1	95.6	33.1	9.5	35.99	38.21	41.03	43.15	45.02	46.81	48.65	50.67	53.11	56.61	59.62

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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.3	3.8	1	#	14.0	1971	1	14.7	1984	20	1996	9	3	1996	3.8	2.0	.5	.2	.1	6.2	2.3	.6	.1
Feb	5.9	4.0	1	#	18.0	1985	13	26.5	1985	20	1985	15	7	1985	2.6	1.6	.6	.2	@	4.3	2.3	1.2	.4
Mar	2.2	1.0	#	#	10.0	1993	14	15.0	1993	15	1993	15	2	1993	1.1	.7	.3	.2	@	1.4	.7	.4	.1
Apr	.0	.0	#	0	.5	1985	10	.5	1985	1	1985	10	#+	1985	@	.0	.0	.0	.0	@	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.2	.0	#	0	1.5	1976	29	2.5	1976	1+	1989	24	#+	1989	.3	.1	.0	.0	.0	.2	.0	.0	.0
Dec	2.0	.3	#	#	6.0	1982	12	12.5	1976	6	1982	12	1	1989	1.8	.9	.2	@	.0	1.8	.3	.1	.0
Ann	15.6	9.1	N/A	N/A	18.0	Feb 1985	13	26.5	Feb 1985	20+	Jan 1996	9	7	Feb 1985	9.6	5.3	1.6	.6	.1	13.9	5.6	2.3	.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: LOGAN, WV **COOP ID: 465353**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 640 Feet** **Lat: 37˚52N** **Lon: 82˚00W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/14	5/09	5/05	5/02	4/29	4/26	4/23	4/20	4/15
32	5/06	4/30	4/25	4/21	4/17	4/13	4/09	4/05	3/29
28	4/19	4/14	4/10	4/07	4/04	4/01	3/29	3/25	3/20
24	4/02	3/25	3/20	3/16	3/12	3/07	3/03	2/26	2/18
20	3/24	3/17	3/12	3/08	3/04	2/28	2/23	2/18	2/11
16	3/13	3/05	2/27	2/22	2/18	2/13	2/08	2/03	1/26

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	10/03	10/08	10/12	10/15	10/18	10/21	10/25	10/29	11/03
32	10/15	10/20	10/24	10/27	10/29	11/01	11/04	11/08	11/13
28	10/21	10/27	11/01	11/04	11/08	11/12	11/15	11/20	11/26
24	11/05	11/12	11/17	11/21	11/25	11/29	12/03	12/08	12/14
20	11/15	11/22	11/27	12/02	12/06	12/10	12/14	12/19	12/26
16	11/26	12/04	12/10	12/15	12/20	12/24	12/29	1/04	1/13

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	194	186	181	176	172	167	162	157	149
32	220	211	205	200	194	189	184	177	169
28	243	234	228	222	217	212	206	200	191
24	285	276	269	263	257	252	246	239	230
20	304	294	287	282	276	271	265	258	249
16	336	323	315	308	302	296	289	282	272

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: LOGAN, WV **COOP ID: 465353**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 640 Feet** **Lat: 37˚52N** **Lon: 82˚00W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	958	769	576	295	123	17	0	2	37	287	556	847	4467
60	803	629	430	173	56	4	0	0	9	177	411	692	3384
57	719	552	345	116	30	1	0	0	3	124	330	605	2825
55	659	499	293	84	19	0	0	0	2	95	278	546	2475
50	517	372	183	30	5	0	0	0	0	42	169	405	1723
32	146	72	9	0	0	0	0	0	0	0	5	74	306

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	211	227	456	705	1005	1216	1386	1346	1101	763	440	250	9106
55	11	10	27	99	311	526	673	633	413	146	23	9	2881
57	8	7	17	70	260	467	611	571	354	113	15	6	2499
60	0	0	9	38	193	380	518	478	270	72	6	0	1964
65	0	0	0	10	105	243	363	325	148	28	1	0	1223
70	0	0	0	1	45	132	217	185	60	8	0	0	648

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	66	102	257	479	761	978	1142	1105	877	532	247	105	66	168	425	904	1665	2643	3785	4890	5767	6299	6546	6651
45	33	51	156	342	606	828	987	950	727	383	153	51	33	84	240	582	1188	2016	3003	3953	4680	5063	5216	5267
50	8	20	85	224	453	678	832	795	577	247	83	24	8	28	113	337	790	1468	2300	3095	3672	3919	4002	4026
55	0	4	37	132	312	528	677	640	430	137	34	2	0	4	41	173	485	1013	1690	2330	2760	2897	2931	2933
60	0	0	12	63	188	384	522	485	287	63	8	0	0	0	12	75	263	647	1169	1654	1941	2004	2012	2012
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	40	75	177	312	487	661	788	762	575	326	154	62	40	115	292	604	1091	1752	2540	3302	3877	4203	4357	4419

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: LONDON LOCKS, WV **COOP ID: 465365**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 38˚12N** **Lon: 81˚22W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	42.7	25.0	33.9	82	1950	26	45.0	1974	-16	1985	22	19.3	1977	966	0	.0	.0	9.4	6.4	23.9	.8
Feb	46.8	26.7	36.8	80+	1937	9	45.2	1990	-7+	1996	5	23.8	1978	791	0	.0	.0	11.8	4.0	19.7	.2
Mar	56.6	33.3	45.0	88	1998	31	52.4	1973	-1	1980	3	38.4	1980	622	0	.0	.0	21.2	.9	14.8	.1
Apr	66.8	41.1	54.0	92+	1942	27	59.3	1991	18	1951	18	48.7	1982	337	4	.0	.2	27.6	.0	4.4	.0
May	74.9	50.8	62.9	95	1991	30	70.8	1991	28+	1947	10	57.7	1981	148	81	.0	.6	31.0	.0	.2	.0
Jun	82.2	60.3	71.3	98	1944	19	74.6	1984	39+	1945	6	66.6+	1980	20	208	.0	4.5	30.0	.0	.0	.0
Jul	85.9	65.5	75.7	101	1954	15	79.0	1991	43+	1962	27	72.1	1976	0	332	.1	8.3	31.0	.0	.0	.0
Aug	84.3	65.1	74.7	103	1936	22	79.9	1995	45	1984	26	69.4	1982	4	304	@	5.7	31.0	.0	.0	.0
Sep	78.0	59.0	68.5	100	1953	4	73.1	1971	36	1942	29	63.1	1976	38	144	.0	1.4	30.0	.0	.0	.0
Oct	67.6	46.5	57.1	93	1953	1	65.2	1971	21	1962	27	49.6	1976	283	36	.0	.0	30.0	.0	1.6	.0
Nov	57.1	36.8	47.0	85	1948	6	55.2	1985	4	1950	26	37.2	1976	543	2	.0	.0	21.0	.2	11.2	.0
Dec	46.8	29.3	38.1	79+	1951	8	47.5	1971	-7+	1983	25	27.3	1989	836	0	.0	.0	12.4	3.0	20.1	.2
Ann	65.8	45.0	55.4	103	Aug 1936	22	79.9	Aug 1995	-16	Jan 1985	22	19.3	Jan 1977	4588	1111	.1	20.7	286.4	14.5	95.9	1.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Station: LONDON LOCKS, WV

COOP ID: 465365

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 38°12N** **Lon: 81°22W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.44	3.67	1.62	1939	30	5.86	1972	.84	1983	14.9	8.9	2.0	.5	1.06	1.39	1.88	2.29	2.70	3.12	3.58	4.12	4.81	5.90	6.91
Feb	2.95	2.52	1.95	1962	27	6.39	1972	1.30	1978	12.1	7.4	1.8	.3	1.25	1.52	1.89	2.20	2.49	2.78	3.10	3.46	3.91	4.61	5.24
Mar	3.78	3.27	1.97	1967	7	8.42	1994	1.05	1987	13.3	8.8	2.5	.5	1.41	1.76	2.27	2.69	3.10	3.51	3.95	4.47	5.13	6.14	7.07
Apr	3.67	3.76	2.05	1948	13	6.80	1980	1.14	1976	13.0	8.7	2.4	.7	1.46	1.80	2.28	2.68	3.05	3.44	3.85	4.32	4.93	5.85	6.70
May	4.87	5.03	2.50+	1996	6	10.96	1996	1.32	1977	13.6	9.8	3.2	1.1	1.88	2.33	2.98	3.52	4.02	4.54	5.10	5.75	6.58	7.84	9.00
Jun	4.22	4.23	3.36	1984	25	9.21	1998	.90	1988	11.9	8.6	2.8	.9	1.33	1.73	2.32	2.83	3.32	3.83	4.39	5.05	5.90	7.22	8.44
Jul	5.07	5.40	3.28	1954	21	9.74	2000	1.24	1987	11.7	8.4	3.8	1.3	2.15	2.61	3.26	3.78	4.28	4.78	5.32	5.94	6.72	7.91	8.99
Aug	4.17	3.69	3.30	1945	2	7.34	1977	1.49	1981	9.7	7.2	3.3	1.1	1.68	2.06	2.60	3.05	3.47	3.90	4.37	4.90	5.58	6.62	7.56
Sep	3.50	2.85	3.10	1996	7	8.06	1989	.91	1983	9.1	6.8	2.3	.9	.92	1.25	1.75	2.20	2.64	3.10	3.61	4.22	5.01	6.27	7.43
Oct	2.62	2.44	2.80	1937	28	5.89	1976	.56	2000	9.4	5.8	1.8	.4	.77	1.02	1.39	1.72	2.03	2.36	2.72	3.15	3.70	4.56	5.37
Nov	3.49	3.29	4.02	1973	28	8.08	1973	.99	1976	12.0	7.5	2.1	.5	1.14	1.47	1.96	2.37	2.77	3.18	3.63	4.16	4.84	5.89	6.86
Dec	3.48	3.01	2.34	1978	9	8.54	1978	.84	1989	12.8	7.6	2.4	.7	1.22	1.55	2.03	2.43	2.81	3.20	3.63	4.13	4.77	5.75	6.65
Ann	45.26	44.76	4.02	Nov 1973	28	10.96	May 1996	.56	Oct 2000	143.5	95.5	30.4	8.9	35.88	37.78	40.16	41.93	43.50	44.99	46.52	48.19	50.20	53.07	55.52

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

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Station: LONDON LOCKS, WV **COOP ID: 465365**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 38°12N** **Lon: 81°22W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	5.4	.5	1	#	14.0	1971	1	23.1	1971	21	1978	22	7	1978	-9.9	-9.9	-9.9	-9.9	-9.9	.9	.5	.4	.3
Feb	2.2	.8	1	#	6.0	1971	14	10.0	1971	13	1974	9	5	1974	-9.9	-9.9	-9.9	-9.9	-9.9	1.3	.6	.2	.0
Mar	1.5	.0	#	0	4.0	1971	4	7.0	1982	9	1980	2	3	1973	.9	.6	.3	.0	.0	.2	.1	.0	.0
Apr	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	-9.9	-9.9	-9.9	-9.9	-9.9	.0	.0	.0	.0
Nov	.1	.0	#	0	.5	1971	22	.5	1971	1	1971	22	#	1971	.1	.0	.0	.0	.0	@	.0	.0	.0
Dec	.6	-99.9	#	0	3.0	1989	9	3.0	1989	4	1981	17	#+	1989	-9.9	-9.9	-9.9	-9.9	-9.9	.1	.0	.0	.0
Ann	9.8	-9.9	N/A	N/A	14.0	Jan 1971	1	23.1	Jan 1971	21	Jan 1978	22	7	Jan 1978	-9.9	-9.9	-9.9	-9.9	-9.9	2.5	1.2	.6	.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 38˚12N** **Lon: 81˚22W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/14	5/09	5/05	5/02	4/29	4/26	4/23	4/19	4/14
32	5/01	4/26	4/22	4/18	4/15	4/12	4/09	4/05	3/30
28	4/15	4/10	4/07	4/04	4/01	3/29	3/26	3/23	3/18
24	4/03	3/27	3/21	3/17	3/13	3/09	3/04	2/27	2/20
20	3/22	3/15	3/10	3/05	3/01	2/25	2/21	2/16	2/09
16	3/16	3/07	2/28	2/23	2/17	2/12	2/06	1/31	1/21

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	10/10	10/14	10/17	10/20	10/23	10/25	10/28	10/31	11/05
32	10/15	10/20	10/25	10/28	11/01	11/04	11/08	11/12	11/18
28	10/26	10/31	11/04	11/08	11/11	11/14	11/17	11/21	11/26
24	11/09	11/15	11/20	11/25	11/29	12/03	12/07	12/12	12/19
20	11/16	11/23	11/28	12/03	12/07	12/11	12/15	12/20	12/28
16	12/03	12/10	12/15	12/20	12/24	12/29	1/02	1/07	1/15

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	197	190	185	180	176	172	168	163	156
32	224	216	209	204	199	194	188	182	173
28	244	237	232	227	223	218	214	209	201
24	289	279	272	266	260	254	248	241	231
20	309	299	292	286	280	274	268	261	251
16	339	327	320	313	308	302	296	288	279

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

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Station: LONDON LOCKS, WV **COOP ID: 465365**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 38˚12N** **Lon: 81˚22W**

Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	966	791	622	337	148	20	0	4	38	283	543	836	4588
60	814	651	473	205	72	4	0	0	10	177	401	681	3488
57	730	568	388	140	41	1	0	0	4	126	321	597	2916
55	671	518	334	104	27	0	0	0	2	98	271	538	2563
50	531	389	216	40	7	0	0	0	0	46	166	400	1795
32	165	76	15	0	0	0	0	0	0	0	5	77	338

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	222	208	416	658	956	1178	1355	1323	1096	776	454	264	8906
55	15	7	22	72	270	488	642	610	408	162	29	12	2737
57	11	1	14	48	222	429	580	548	350	128	19	9	2359
60	3	0	7	23	160	342	487	455	266	85	9	0	1837
65	0	0	0	4	81	208	332	304	144	36	2	0	1111
70	0	0	0	0	32	102	185	168	58	12	0	0	557

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	63	90	226	442	721	947	1111	1075	852	525	242	101	63	153	379	821	1542	2489	3600	4675	5527	6052	6294	6395
45	31	44	134	303	566	797	956	920	702	374	148	48	31	75	209	512	1078	1875	2831	3751	4453	4827	4975	5023
50	7	15	68	189	415	647	801	765	552	241	75	21	7	22	90	279	694	1341	2142	2907	3459	3700	3775	3796
55	0	1	31	104	276	497	646	610	402	136	31	2	0	1	32	136	412	909	1555	2165	2567	2703	2734	2736
60	0	0	7	45	157	351	491	455	265	61	5	0	0	0	7	52	209	560	1051	1506	1771	1832	1837	1837
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	37	61	151	277	450	635	769	742	552	310	146	59	37	98	249	526	976	1611	2380	3122	3674	3984	4130	4189

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MADISON 3 NNW, WV **COOP ID: 465563**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38˚06N** **Lon: 81˚51W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	42.8	21.9	32.4	80	1950	26	43.2	1974	-25	1994	19	20.0	1977	1012	0	.0	.0	9.6	6.3	25.7	1.6
Feb	47.8	23.9	35.9	81	2000	27	43.1	1990	-13	1996	5	24.0	1978	817	0	.0	.0	12.8	3.9	22.3	.9
Mar	58.1	30.9	44.5	89	1989	29	51.9	1973	-8	1980	3	37.9	1993	635	0	.0	.0	22.4	.7	18.3	.1
Apr	68.8	38.8	53.8	93+	1976	21	58.8	1985	20	1969	1	49.4	1997	340	4	.0	.7	27.8	.0	8.3	.0
May	76.7	48.9	62.8	94	1949	6	70.3	1991	27	1966	10	57.3	1997	156	87	.0	1.3	31.0	.0	1.0	.0
Jun	83.5	58.0	70.8	100	1988	26	74.0	1984	35	1966	2	64.5	1972	21	194	@	5.3	30.0	.0	.0	.0
Jul	87.0	62.8	74.9	102	1954	15	79.0	1999	40+	1988	1	71.9	1979	0	308	.1	11.0	31.0	.0	.0	.0
Aug	85.5	61.9	73.7	100+	1955	5	78.4	1995	42	1992	31	69.1	1992	3	271	.1	7.5	31.0	.0	.0	.0
Sep	79.6	54.4	67.0	100+	1953	3	71.9	1978	32	1976	23	62.2	1976	52	112	.0	2.4	30.0	.0	@	.0
Oct	68.8	41.0	54.9	93	1953	1	63.8	1984	16	1962	27	47.5	1988	340	28	.0	.0	30.4	.0	6.4	.0
Nov	57.5	32.1	44.8	89	1948	6	54.0	1985	6	1950	25	37.1	1976	607	0	.0	.0	21.1	.2	16.9	.0
Dec	46.7	25.7	36.2	80	2001	6	45.2	1971	-16	1989	23	23.8	1989	893	0	.0	.0	12.7	3.5	23.3	.4
Ann	66.9	41.7	54.3	102	Jul 1954	15	79.0	Jul 1999	-25	Jan 1994	19	20.0	Jan 1977	4876	1004	.2	28.2	289.8	14.6	122.2	3.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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National Oceanic & Atmospheric Administration
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Climatography of the United States No. 20 1971-2000

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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MADISON 3 NNW, WV

COOP ID: 465563

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38°06N** **Lon: 81°51W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.47	3.18	2.09	1974	11	6.36	1979	1.13	1981	14.3	8.2	2.0	.4	1.12	1.45	1.94	2.35	2.75	3.16	3.61	4.14	4.82	5.88	6.85
Feb	3.21	3.03	2.46	1962	27	6.26	1972	1.32	1977	12.1	7.5	2.0	.5	1.42	1.70	2.10	2.43	2.73	3.03	3.36	3.74	4.21	4.93	5.58
Mar	3.92	3.33	2.09	1963	12	9.05	1994	1.58	1986	13.4	9.2	2.5	.5	1.52	1.88	2.40	2.83	3.24	3.65	4.10	4.62	5.28	6.29	7.22
Apr	3.90	3.91	1.87	1957	23	7.55	1987	.98	1976	12.9	8.7	2.8	.9	1.57	1.93	2.44	2.86	3.25	3.66	4.09	4.59	5.22	6.19	7.07
May	5.17	4.77	2.60	1982	30	11.61	1996	1.05	1977	13.8	9.8	3.4	1.4	2.23	2.70	3.35	3.88	4.38	4.88	5.42	6.04	6.82	8.01	9.09
Jun	4.58	4.36	2.65	1973	18	9.19	1989	.94	1999	11.9	9.0	2.8	1.1	1.70	2.13	2.74	3.26	3.74	4.24	4.79	5.42	6.22	7.46	8.59
Jul	5.17	5.25	3.80	2001	27	10.10	1980	1.81	1983	11.5	8.3	3.6	1.3	2.04	2.52	3.20	3.76	4.29	4.83	5.42	6.09	6.95	8.26	9.46
Aug	4.58	4.60	3.74	1992	12	8.84	1992	1.02	1971	9.9	7.2	3.4	1.3	1.77	2.19	2.80	3.30	3.78	4.26	4.79	5.40	6.17	7.36	8.44
Sep	3.71	3.30	3.47	1950	22	7.10	1976	.31	1978	9.7	6.9	2.7	1.0	.90	1.24	1.78	2.27	2.74	3.25	3.81	4.49	5.37	6.76	8.07
Oct	2.91	2.80	2.65	1977	2	6.38	1983	.84	2000	9.5	6.1	2.2	.6	.91	1.19	1.60	1.95	2.29	2.64	3.03	3.48	4.07	4.99	5.83
Nov	3.59	3.30	3.74	1973	28	8.56	1985	1.08	1981	11.3	7.7	2.1	.8	1.28	1.62	2.11	2.52	2.91	3.31	3.75	4.26	4.91	5.91	6.83
Dec	3.63	2.94	3.37	1991	3	9.62	1978	1.30	1989	13.3	7.6	2.2	.7	1.27	1.61	2.11	2.53	2.93	3.34	3.79	4.32	4.99	6.02	6.98
Ann	47.84	46.91	3.80	Jul 2001	27	11.61	May 1996	.31	Sep 1978	143.6	96.2	31.7	10.5	37.52	39.60	42.20	44.16	45.87	47.51	49.20	51.04	53.25	56.43	59.14

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: MADISON 3 NNW, WV **COOP ID: 465563**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38°06N** **Lon: 81°51W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.3	5.4	1	#	14.8	1978	20	30.5	1996	23	1996	9	7	1996	4.5	2.7	.8	.3	.2	5.5	2.4	1.3	.8
Feb	4.9	3.7	1	#	13.5	1985	13	23.8	1985	13	1985	14	5	1985	2.7	1.5	.5	.1	@	4.2	2.1	.8	.2
Mar	3.1	1.9	#	#	10.5	1993	14	16.3	1993	16	1993	14	2	1993	1.6	.9	.4	.1	@	1.6	.7	.3	.1
Apr	1.0	.0	#	0	11.0	1987	4	28.0	1987	13	1987	5	2	1987	.2	.2	.1	.1	.1	.2	.2	.1	.1
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.6	.0	#	0	3.0	1995	15	5.2	1976	3	1995	15	#+	1997	.4	.2	@	.0	.0	.4	@	.0	.0
Dec	1.9	1.0	#	#	4.0	1982	12	9.3	1993	4+	1997	27	1	1997	2.0	.9	.2	.0	.0	2.1	.2	.0	.0
Ann	19.8	12.0	N/A	N/A	14.8	Jan 1978	20	30.5	Jan 1996	23	Jan 1996	9	7	Jan 1996	11.4	6.4	2.0	.6	.3	14.0	5.6	2.5	1.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: MADISON 3 NNW, WV **COOP ID: 465563**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38˚06N** **Lon: 81˚51W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/30	5/23	5/18	5/14	5/10	5/07	5/03	4/28	4/21
32	5/11	5/07	5/03	5/01	4/28	4/25	4/23	4/20	4/15
28	4/29	4/24	4/20	4/17	4/14	4/11	4/07	4/04	3/29
24	4/18	4/13	4/09	4/05	4/02	3/30	3/27	3/23	3/17
20	3/30	3/23	3/18	3/13	3/09	3/05	3/01	2/24	2/16
16	3/20	3/12	3/06	3/01	2/24	2/19	2/14	2/08	1/30

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/25	9/30	10/04	10/07	10/10	10/13	10/16	10/20	10/25
32	10/03	10/09	10/12	10/15	10/18	10/21	10/25	10/28	11/02
28	10/10	10/16	10/21	10/25	10/28	11/01	11/05	11/09	11/16
24	10/22	10/27	10/31	11/03	11/07	11/10	11/13	11/17	11/22
20	10/28	11/05	11/10	11/15	11/19	11/23	11/28	12/03	12/11
16	11/12	11/19	11/25	11/30	12/04	12/09	12/13	12/19	12/26

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	178	169	162	157	152	147	141	135	126
32	195	187	182	177	173	168	164	158	151
28	224	215	208	202	197	192	186	179	170
24	244	235	229	223	218	212	207	200	191
20	283	273	266	260	254	248	242	235	225
16	321	308	298	290	283	275	267	257	244

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: MADISON 3 NNW, WV **COOP ID: 465563**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 710 Feet** **Lat: 38˚06N** **Lon: 81˚51W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1012	817	635	340	156	21	0	3	52	340	607	893	4876
60	857	677	487	208	79	4	0	0	16	225	460	738	3751
57	764	594	401	141	47	2	0	0	7	168	377	651	3152
55	710	541	346	104	31	1	0	0	4	136	323	593	2789
50	564	412	228	39	10	0	0	0	1	71	204	450	1979
32	167	86	18	0	0	0	0	0	0	0	8	100	379

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	178	194	406	654	954	1163	1331	1292	1050	710	391	230	8553
55	8	5	22	67	272	474	618	579	364	133	16	9	2567
57	0	1	14	44	226	415	556	517	307	104	10	6	2200
60	0	0	7	21	165	328	463	424	226	67	4	0	1705
65	0	0	0	4	87	194	308	271	112	28	0	0	1004
70	0	0	0	0	36	90	162	137	37	9	0	0	471

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	50	87	221	431	711	933	1093	1049	819	474	211	89	50	137	358	789	1500	2433	3526	4575	5394	5868	6079	6168
45	24	41	133	298	556	783	938	894	669	329	124	44	24	65	198	496	1052	1835	2773	3667	4336	4665	4789	4833
50	3	16	68	189	405	633	783	739	520	204	63	17	3	19	87	276	681	1314	2097	2836	3356	3560	3623	3640
55	1	3	32	105	271	483	628	584	373	108	24	2	1	4	36	141	412	895	1523	2107	2480	2588	2612	2614
60	0	0	9	49	155	335	473	429	237	50	5	0	0	0	9	58	213	548	1021	1450	1687	1737	1742	1742
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	38	74	176	300	464	620	744	710	530	314	153	59	38	112	288	588	1052	1672	2416	3126	3656	3970	4123	4182

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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www.ncdc.noaa.gov

Station: MARLINTON, WV **COOP ID: 465672**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38˚13N** **Lon: 80˚05W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.7	13.0	23.9	76	1937	8	33.5	1974	-24	1994	20	11.7	1977	1275	0	.0	.0	4.0	8.8	29.5	3.2
Feb	39.0	15.8	27.4	72	1996	28	34.1	1976	-22	1934	28	17.4	1978	1053	0	.0	.0	6.3	5.8	26.9	1.8
Mar	48.6	22.5	35.6	86	1939	26	40.8	1973	0	1934	1	30.5	1984	914	0	.0	.0	17.0	1.6	25.0	.2
Apr	58.8	30.6	44.7	92	1942	30	48.6	1985	13	1997	10	40.0	1997	609	0	.0	.0	25.0	.1	15.1	.0
May	66.9	39.4	53.2	97	1941	22	60.4	1991	24+	1926	5	47.7	1997	375	8	.0	.1	30.7	.0	1.9	.0
Jun	73.7	47.5	60.6	93	1940	7	64.0	1994	30	1930	1	55.4	1972	155	23	.0	.1	30.0	.0	.2	.0
Jul	77.5	52.4	65.0	97	1988	17	68.6	1993	36+	1929	21	61.7	1984	66	65	.0	.7	31.0	.0	.0	.0
Aug	76.6	51.4	64.0	96	1988	18	67.8	1995	34+	1930	12	60.3	1976	78	45	.0	.6	31.0	.0	.0	.0
Sep	71.2	44.5	57.9	92	1941	9	61.5	1980	24	1942	29	54.6	1974	219	5	.0	.2	29.9	.0	1.1	.0
Oct	61.5	31.6	46.6	90	1941	6	53.0	1984	8	1930	22	39.9	1988	572	0	.0	.0	28.9	.0	13.9	.0
Nov	49.8	23.0	36.4	76+	1938	2	43.3	1985	-4+	1929	30	29.1	1976	859	0	.0	.0	16.5	1.8	23.0	.1
Dec	38.9	17.0	28.0	70	1941	3	35.3	1984	-17+	1989	23	15.2	1989	1150	0	.0	.0	7.2	5.8	28.3	1.6
Ann	58.1	32.4	45.3	97+	Jul 1988	17	68.6	Jul 1993	-24	Jan 1994	20	11.7	Jan 1977	7325	146	.0	1.7	257.5	23.9	164.9	6.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1926-2001

(3) Derived from 1971-2000 serially complete daily data

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MARLINTON, WV

COOP ID: 465672

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38°13N** **Lon: 80°05W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.90	3.89	2.02	2000	4	7.02	1978	.84	1981	14.5	7.9	2.7	.9	1.39	1.75	2.29	2.73	3.16	3.59	4.07	4.62	5.33	6.43	7.43
Feb	3.11	3.25	2.12	1932	4	5.40	1994	.59	1978	11.4	6.2	1.8	.5	1.15	1.44	1.86	2.21	2.54	2.88	3.25	3.68	4.22	5.06	5.83
Mar	4.06	3.81	1.80	1932	28	7.32	1993	1.69	1988	14.5	9.2	2.7	.8	1.70	2.07	2.59	3.01	3.41	3.82	4.25	4.76	5.39	6.36	7.24
Apr	3.09	2.63	3.51	1989	26	6.09	1987	1.20	1976	13.0	7.3	2.1	.6	1.24	1.52	1.92	2.25	2.57	2.89	3.23	3.63	4.13	4.91	5.61
May	4.59	4.88	2.70	2001	20	7.01	1996	1.68	1977	14.2	8.5	2.8	.9	2.25	2.64	3.17	3.60	4.00	4.40	4.82	5.30	5.90	6.80	7.61
Jun	3.35	3.17	2.70	1940	27	6.39	2000	.73	1988	14.0	8.3	2.2	.6	1.10	1.42	1.89	2.28	2.66	3.06	3.49	3.99	4.64	5.65	6.58
Jul	4.05	3.79	3.79	1939	29	8.83	1991	2.12	1999	14.0	8.6	2.6	1.0	1.96	2.30	2.78	3.16	3.51	3.87	4.24	4.67	5.21	6.02	6.75
Aug	4.43	4.03	3.20	1942	8	7.96	1989	1.85	1981	11.3	6.7	2.5	1.1	2.12	2.50	3.02	3.45	3.84	4.23	4.65	5.13	5.73	6.63	7.44
Sep	3.16	2.86	2.40	1932	23	8.21	1987	.39	1985	11.4	5.8	2.1	.8	.65	.94	1.40	1.83	2.25	2.71	3.22	3.84	4.65	5.95	7.19
Oct	2.90	2.77	2.50	1929	2	7.97	1976	.19	2000	10.8	6.0	2.1	.7	.62	.88	1.31	1.69	2.08	2.50	2.96	3.52	4.26	5.44	6.56
Nov	3.39	3.28	2.02	1928	30	9.06	1985	1.05	1976	11.4	6.8	2.2	.7	1.37	1.68	2.12	2.49	2.83	3.18	3.55	3.99	4.54	5.38	6.14
Dec	3.71	3.30	2.48	1948	15	7.71	1978	1.62+	1994	13.5	7.3	2.5	.8	1.41	1.75	2.25	2.66	3.05	3.45	3.88	4.38	5.02	6.00	6.90
Ann	43.74	42.97	3.79	Jul 1939	29	9.06	Nov 1985	.19	Oct 2000	154.0	88.6	28.3	9.4	34.52	36.37	38.71	40.46	41.99	43.46	44.96	46.61	48.58	51.41	53.83

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
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Station: MARLINTON, WV **COOP ID: 465672**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38°13N** **Lon: 80°05W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	4.5	-99.9	2	2	12.3	1996	7	22.4	1987	24	1996	12	8	1996	4.8	3.7	1.5	.9	.2	-9.9	-9.9	-9.9	-9.9
Feb	7.9	6.2	1	1	10.0	1987	23	18.6	1993	13	1987	23	5	1987	3.6	2.6	.9	.4	.1	9.3	3.8	1.7	.0
Mar	7.4	4.5	#	#	10.4	1993	14	25.5	1999	15	1993	14	3	1993	2.9	2.5	.7	.4	.1	3.8	1.6	.6	.2
Apr	.6	.0	#	#	2.0	1990	7	2.0+	1996	7	1987	5	1	1987	.6	.4	.0	.0	.0	.4	.0	.0	.0
May	.0	.0	#	0	.0	0	0	.0	0	#	1989	8	#	1989	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.4	1993	31	1.4	1993	1	1993	31	#+	1993	.1	.1	.0	.0	.0	.1	.0	.0	.0
Nov	1.0	.0	#	#	3.7	1995	14	4.2	1989	4	1995	14	1	1995	1.1	.5	.1	.0	.0	.8	.2	.0	.0
Dec	7.6	5.3	1	1	14.0	1997	30	24.5	1997	16	1997	30	6	1989	3.8	3.1	.7	.3	.1	4.7	1.8	.7	.2
Ann	29.1	-9.9	N/A	N/A	14.0	Dec 1997	30	25.5	Mar 1999	24	Jan 1996	12	8	Jan 1996	16.9	12.9	3.9	2.0	.5	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38˚13N** **Lon: 80˚05W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/18	6/09	6/03	5/28	5/23	5/18	5/13	5/06	4/28
32	5/31	5/24	5/19	5/14	5/10	5/06	5/02	4/26	4/19
28	5/17	5/11	5/06	5/02	4/28	4/24	4/20	4/16	4/09
24	5/02	4/27	4/24	4/21	4/18	4/15	4/12	4/08	4/03
20	4/24	4/18	4/14	4/10	4/07	4/04	3/31	3/27	3/21
16	4/13	4/07	4/03	3/30	3/26	3/23	3/19	3/14	3/08

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/09	9/15	9/19	9/22	9/25	9/28	10/02	10/06	10/11
32	9/21	9/25	9/28	10/01	10/03	10/06	10/08	10/11	10/15
28	9/26	10/01	10/05	10/08	10/11	10/14	10/17	10/20	10/25
24	10/06	10/11	10/15	10/18	10/21	10/24	10/27	10/30	11/04
20	10/18	10/23	10/27	10/31	11/03	11/06	11/10	11/14	11/19
16	10/21	10/29	11/04	11/09	11/14	11/18	11/23	11/29	12/07

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	156	145	137	130	124	118	111	103	92
32	172	163	156	151	145	140	134	127	118
28	190	182	175	170	165	160	154	148	139
24	208	200	194	190	185	181	176	170	163
20	234	225	219	214	209	205	199	193	185
16	266	254	246	238	232	225	217	209	197

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,150 Feet** **Lat: 38˚13N** **Lon: 80˚05W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1275	1053	914	609	375	155	66	78	219	572	859	1150	7325
60	1120	913	759	460	241	65	13	15	102	420	709	995	5812
57	1027	829	666	371	174	32	4	4	54	334	619	902	5016
55	965	773	604	313	136	18	0	0	34	280	559	840	4522
50	810	633	451	181	62	3	0	0	7	165	413	685	3410
32	310	188	63	1	0	0	0	0	0	4	52	216	834

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	57	59	172	382	656	858	1022	991	776	455	183	90	5701
55	0	0	0	4	79	187	309	278	119	18	0	0	994
57	0	0	0	2	55	141	251	220	80	10	0	0	759
60	0	0	0	0	29	84	167	138	38	4	0	0	460
65	0	0	0	0	8	23	65	45	5	0	0	0	146
70	0	0	0	0	0	3	12	7	0	0	0	0	22

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	9	17	94	251	520	717	902	856	642	317	92	26	9	26	120	371	891	1608	2510	3366	4008	4325	4417	4443
45	0	3	41	148	370	567	747	701	494	188	46	4	0	3	44	192	562	1129	1876	2577	3071	3259	3305	3309
50	0	0	15	76	225	418	592	546	351	95	10	0	0	0	15	91	316	734	1326	1872	2223	2318	2328	2328
55	0	0	2	28	101	273	439	392	214	39	1	0	0	0	2	30	131	404	843	1235	1449	1488	1489	1489
60	0	0	0	4	32	139	286	240	111	8	0	0	0	0	0	4	36	175	461	701	812	820	820	820
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	8	27	90	202	326	458	595	553	402	237	80	25	8	35	125	327	653	1111	1706	2259	2661	2898	2978	3003

(1) Derived from the 1971-2000 Monthly Normals
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Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: MARTINSBURG RGNL AP, WV **COOP ID: 465707**

Climate Division: WV 6 **NWS Call Sign: MRB** **Elevation: 531 Feet** **Lat: 39˚24N** **Lon: 77˚59W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.4	22.6	32.0	80	1932	14	41.4+	1998	-18	1994	21	21.3	1977	1024	0	.0	.0	5.5	7.4	25.9	1.0
Feb	45.5	25.0	35.3	83	1997	27	43.1	1976	-10	1934	28	24.9	1978	833	0	.0	.0	8.4	4.3	21.7	.3
Mar	55.3	32.8	44.1	88	1998	30	49.8	1977	-3	1993	15	37.2	1984	649	0	.0	.0	18.4	.7	15.4	@
Apr	66.3	41.5	53.9	96	1941	21	59.4	1994	19+	1969	1	48.9	1975	336	3	.0	.3	27.5	.0	4.4	.0
May	75.5	51.0	63.3	100	1934	21	70.4	1991	26	1966	11	58.8	1994	130	76	.0	1.5	31.0	.0	.1	.0
Jun	84.0	59.7	71.9	106	1934	30	74.9	1994	36+	1930	1	67.2	1972	8	213	.1	5.6	30.0	.0	.0	.0
Jul	88.3	64.8	76.6	112	1936	11	81.4	1999	41	1943	1	72.3	1971	0	358	.7	11.1	31.0	.0	.0	.0
Aug	86.4	62.9	74.7	108	1930	5	79.5	1980	40+	1982	29	69.6	1992	7	305	.3	8.2	31.0	.0	.0	.0
Sep	79.2	55.4	67.3	103+	1932	1	73.8	1998	29+	1947	28	63.9	1975	45	114	@	2.3	30.0	.0	.1	.0
Oct	67.8	43.2	55.5	98+	1927	2	61.7	1984	17	1969	24	50.2	1987	306	12	.0	.0	30.1	.0	3.6	.0
Nov	56.5	34.8	45.7	86	1974	1	50.9	1985	6	1930	29	40.1	1996	581	0	.0	.0	20.0	.2	12.7	.0
Dec	45.8	26.9	36.4	78+	1951	7	43.1	1984	-12	1983	25	24.4	1989	888	0	.0	.0	9.2	3.9	22.2	.1
Ann	66.0	43.4	54.7	112	Jul 1936	11	81.4	Jul 1999	-18	Jan 1994	21	21.3	Jan 1977	4807	1081	1.1	29.0	272.1	16.5	106.1	1.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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Climate Division: WV 6 **NWS Call Sign: MRB** **Elevation: 531 Feet** **Lat: 39°24N** **Lon: 77°59W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.73	2.42	1.87	1948	1	6.35	1996	.48	1981	10.0	6.2	1.9	.4	.74	.99	1.39	1.73	2.07	2.43	2.82	3.29	3.90	4.85	5.74
Feb	2.40	2.11	2.91	1984	14	5.84	1998	.48	1977	9.2	5.6	1.3	.4	.56	.78	1.13	1.45	1.76	2.09	2.46	2.90	3.49	4.41	5.28
Mar	3.51	3.62	2.31	1993	4	7.79	1993	.82	1995	10.5	6.7	2.5	.8	1.15	1.49	1.98	2.39	2.79	3.21	3.66	4.19	4.87	5.93	6.91
Apr	3.14	2.77	4.00	1937	26	7.79	1983	.16	1985	10.2	6.3	2.2	.5	.71	1.00	1.46	1.87	2.29	2.73	3.22	3.81	4.59	5.83	7.00
May	4.19	3.69	3.55	1975	31	9.68	1988	.37	1977	12.3	7.8	2.7	1.0	1.03	1.43	2.04	2.58	3.12	3.68	4.32	5.07	6.05	7.61	9.07
Jun	3.49	3.47	3.47	1975	27	8.03	1972	.68	1994	10.5	6.9	2.2	.8	.89	1.22	1.72	2.17	2.62	3.08	3.60	4.22	5.02	6.29	7.48
Jul	3.73	3.79	3.07	1981	2	8.70	1996	.36	1983	10.2	6.7	2.5	.9	.88	1.23	1.78	2.27	2.75	3.26	3.84	4.52	5.42	6.85	8.19
Aug	3.40	2.86	3.90	1933	24	7.15	1978	.72	1981	9.1	5.9	2.3	.9	.94	1.26	1.75	2.18	2.60	3.04	3.52	4.09	4.84	6.01	7.09
Sep	3.52	2.38	3.64	1966	14	9.35	1975	.50	1986	8.8	5.8	2.4	1.0	.51	.81	1.31	1.80	2.31	2.87	3.51	4.30	5.36	7.09	8.75
Oct	3.40	2.98	4.15	1942	15	9.50	1990	.29	2000	8.3	5.1	2.3	1.0	.58	.88	1.38	1.84	2.32	2.84	3.43	4.15	5.11	6.66	8.15
Nov	3.14	2.91	3.33	1997	7	7.82	1997	.31	1998	9.2	5.7	1.9	.9	.60	.89	1.35	1.77	2.20	2.66	3.19	3.82	4.66	6.00	7.28
Dec	2.74	2.51	3.75	1974	1	6.39	1974	.62	1971	9.3	5.5	1.9	.4	.72	.97	1.37	1.72	2.06	2.42	2.83	3.30	3.92	4.90	5.81
Ann	39.39	38.35	4.15	Oct 1942	15	9.68	May 1988	.16	Apr 1985	117.6	74.2	26.1	9.0	28.89	30.94	33.56	35.54	37.29	38.98	40.72	42.64	44.96	48.32	51.20

+ Also occurred on an earlier date(s)
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Station: MARTINSBURG RGNL AP, WV **COOP ID: 465707**

Climate Division: WV 6 **NWS Call Sign: MRB** **Elevation: 531 Feet** **Lat: 39°24N** **Lon: 77°59W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.2	5.8	2	1	26.8	1996	7	38.3	1996	24+	1996	14	8	1996	3.4	2.7	1.1	.6	.1	10.4	6.4	3.7	1.2
Feb	7.0	4.7	1	1	26.0	1983	11	29.0	1983	26	1983	12	8	1978	2.3	1.9	.9	.5	@	8.3	5.5	3.2	.7
Mar	4.4	2.6	#	0	13.8	1993	13	23.0	1999	14+	1993	15	3+	1993	1.6	1.1	.6	.3	.1	3.2	2.0	1.1	.2
Apr	.5	.0	#	0	4.0	1971	6	4.5	1987	3	1982	9	#	1987	.2	.2	.1	.0	.0	.1	@	.0	.0
May	.0	.0	#	0	.0	0	0	.0	0	0	0	0	#	2000	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	1.0	1979	10	1.0	1979	1	1979	10	#	1979	.0	.0	.0	.0	.0	@	.0	.0	.0
Nov	1.5	.0	#	0	11.0	1971	24	15.0	1995	11+	1971	25	1	1971	.6	.5	.1	.1	.1	.7	.3	.1	.1
Dec	3.5	1.1	#	0	9.0	1989	24	14.6	1973	11	1990	28	1+	1995	1.8	1.1	.4	.2	.0	3.1	.9	.4	.1
Ann	25.1	14.2	N/A	N/A	26.8	Jan 1996	7	38.3	Jan 1996	26	Feb 1983	12	8+	Jan 1996	9.9	7.5	3.2	1.7	.3	25.8	15.1	8.5	2.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climatography of the United States No. 20 1971-2000

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Climate Division: WV 6 **NWS Call Sign: MRB** **Elevation: 531 Feet** **Lat: 39˚24N** **Lon: 77˚59W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/18	5/13	5/09	5/06	5/03	4/30	4/27	4/23	4/18
32	5/04	4/29	4/25	4/22	4/19	4/17	4/14	4/10	4/05
28	4/16	4/11	4/07	4/04	4/02	3/30	3/27	3/23	3/18
24	4/09	4/04	4/01	3/29	3/26	3/24	3/21	3/18	3/13
20	3/29	3/23	3/19	3/15	3/12	3/08	3/04	2/28	2/22
16	3/20	3/12	3/07	3/02	2/26	2/22	2/17	2/12	2/04

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/23	9/27	9/30	10/03	10/06	10/08	10/11	10/14	10/18
32	10/03	10/09	10/12	10/16	10/19	10/22	10/25	10/29	11/03
28	10/15	10/19	10/22	10/25	10/28	10/30	11/02	11/06	11/10
24	10/28	11/02	11/06	11/09	11/12	11/15	11/18	11/22	11/27
20	11/06	11/13	11/17	11/21	11/25	11/28	12/02	12/07	12/13
16	11/25	12/02	12/07	12/11	12/15	12/19	12/24	12/29	1/05

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	176	169	164	159	155	151	146	141	133
32	206	198	192	186	182	177	171	165	157
28	228	221	217	212	209	205	201	196	189
24	250	243	238	234	230	226	222	217	210
20	284	275	268	263	258	252	247	240	231
16	322	312	304	298	292	286	279	272	261

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: MARTINSBURG RGNL AP, WV **COOP ID: 465707**

Climate Division: WV 6 **NWS Call Sign: MRB** **Elevation: 531 Feet** **Lat: 39˚24N** **Lon: 77˚59W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1024	833	649	336	130	8	0	7	45	306	581	888	4807
60	869	693	495	202	58	1	0	0	10	183	434	733	3678
57	776	609	408	135	31	0	0	0	3	125	352	642	3081
55	718	554	352	97	19	0	0	0	1	93	299	586	2719
50	574	423	224	34	4	0	0	0	0	38	185	443	1925
32	171	82	12	0	0	0	0	0	0	0	7	93	365

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	170	173	386	657	969	1196	1380	1321	1059	729	417	228	8685
55	4	0	12	65	274	506	667	608	371	109	18	8	2642
57	0	0	7	42	224	446	605	546	313	78	11	2	2274
60	0	0	1	19	159	357	512	453	229	44	4	0	1778
65	0	0	0	3	76	213	358	305	114	12	0	0	1081
70	0	0	0	0	26	96	215	173	40	1	0	0	551

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	35	58	183	408	712	945	1122	1063	809	468	201	62	35	93	276	684	1396	2341	3463	4526	5335	5803	6004	6066
45	17	26	97	276	557	795	967	908	659	321	115	30	17	43	140	416	973	1768	2735	3643	4302	4623	4738	4768
50	2	9	49	159	404	645	812	753	510	196	56	10	2	11	60	219	623	1268	2080	2833	3343	3539	3595	3605
55	0	2	20	84	263	495	657	598	365	101	21	3	0	2	22	106	369	864	1521	2119	2484	2585	2606	2609
60	0	0	6	36	144	348	502	443	229	44	6	1	0	0	6	42	186	534	1036	1479	1708	1752	1758	1759
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	25	44	118	245	436	629	763	721	519	284	119	40	25	69	187	432	868	1497	2260	2981	3500	3784	3903	3943

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: MATHIAS, WV **COOP ID: 465739**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,540 Feet** **Lat: 38˚52N** **Lon: 78˚52W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.8	17.8	28.3	72	1975	29	37.9	1974	-20	1984	22	15.9	1977	1139	0	.0	.0	6.8	7.5	27.7	2.0
Feb	42.6	19.2	30.9	77	1985	24	39.0	1976	-20+	1996	5	18.7	1978	954	0	.0	.0	9.3	4.9	23.9	.8
Mar	51.6	27.0	39.3	84+	1986	30	44.8	1977	-7	1960	11	34.0	1996	796	0	.0	.0	18.7	1.1	20.0	.1
Apr	62.1	34.7	48.4	90+	1960	23	53.6	1994	11	1985	10	44.0	1975	498	0	.0	@	27.0	@	10.6	.0
May	71.4	45.4	58.4	95+	1996	19	66.0	1991	23	1966	11	52.9	1997	226	22	.0	.3	30.9	.0	2.5	.0
Jun	79.2	53.5	66.4	95+	1969	27	69.5	1994	30	1977	8	62.8	1974	44	84	.0	2.5	30.0	.0	@	.0
Jul	83.4	58.1	70.8	106	1988	16	75.0	1987	37	1988	1	66.6	2000	10	189	.2	6.0	31.0	.0	.0	.0
Aug	81.9	56.5	69.2	100+	1953	31	73.2	1988	31	1986	30	66.4	1976	18	149	@	3.7	31.0	.0	@	.0
Sep	75.2	49.4	62.3	99+	1953	1	66.6	1998	22	1963	24	59.0	1984	116	34	.0	1.1	30.0	.0	.7	.0
Oct	65.1	37.8	51.5	88	1986	1	57.5	1984	14	1969	24	45.0	1988	424	3	.0	.0	29.6	.0	8.8	.0
Nov	53.4	29.4	41.4	80+	1961	5	48.6	1985	4	1956	24	34.9	1976	708	0	.0	.0	19.4	.3	17.7	.0
Dec	43.9	22.3	33.1	76	1998	7	41.8	1984	-15	1989	23	19.3	1989	989	0	.0	.0	10.2	4.1	25.0	.8
Ann	62.4	37.6	50.0	106	Jul 1988	16	75.0	Jul 1987	-20+	Feb 1996	5	15.9	Jan 1977	5922	481	.2	13.6	273.9	17.9	136.9	3.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Station: MATHIAS, WV **COOP ID: 465739**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,540 Feet** **Lat: 38°52N** **Lon: 78°52W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.35	1.88	1.68	1996	8	6.90	1996	.31	1981	10.5	5.8	1.5	.3	.53	.75	1.09	1.40	1.71	2.04	2.41	2.85	3.43	4.36	5.23
Feb	2.25	2.01	2.27	1998	5	6.00	1998	.35	1978	9.4	5.2	1.2	.6	.59	.81	1.13	1.42	1.70	2.00	2.33	2.72	3.23	4.03	4.78
Mar	3.07	2.91	3.73	1954	1	7.66	1993	.77	1972	11.3	6.6	2.2	.7	.87	1.16	1.60	1.99	2.36	2.75	3.18	3.69	4.35	5.39	6.35
Apr	2.77	2.21	2.46	1987	16	6.63	1987	.47	1985	11.1	6.5	1.8	.4	.73	.99	1.39	1.74	2.09	2.46	2.87	3.35	3.98	4.97	5.90
May	4.01	3.65	3.14	1960	8	9.15	1988	1.39	1977	13.0	8.7	2.7	.8	1.52	1.90	2.43	2.88	3.30	3.73	4.20	4.74	5.42	6.48	7.45
Jun	3.31	3.04	3.50	1949	28	9.43	1972	.41	1999	12.3	7.4	2.4	.6	.86	1.17	1.65	2.07	2.49	2.93	3.42	4.00	4.75	5.94	7.06
Jul	3.79	4.03	3.55	1970	9	7.70	1989	.95	1998	12.0	8.1	2.6	.8	1.23	1.59	2.12	2.57	3.00	3.45	3.94	4.52	5.26	6.41	7.47
Aug	3.88	3.53	3.30	1955	18	11.79	1978	1.47	1972	11.6	7.3	2.6	.8	1.43	1.79	2.32	2.75	3.17	3.59	4.06	4.59	5.28	6.33	7.30
Sep	3.54	3.01	5.75	1996	7	10.64	1996	.53	1985	9.6	5.9	2.5	1.0	.72	1.04	1.56	2.03	2.51	3.03	3.61	4.31	5.23	6.71	8.12
Oct	2.97	2.32	6.25	1954	15	8.21	1972	.03	2000	8.7	5.1	1.9	.8	.31	.53	.94	1.36	1.80	2.31	2.90	3.63	4.63	6.30	7.92
Nov	3.06	2.76	4.00	1985	4	10.42	1985	.52	1998	8.9	5.7	1.9	.9	.69	.97	1.42	1.82	2.22	2.65	3.13	3.71	4.47	5.68	6.81
Dec	2.31	1.98	2.01	1974	1	5.15	1983	.44	1980	9.0	5.0	1.6	.4	.67	.89	1.22	1.50	1.78	2.07	2.40	2.78	3.27	4.04	4.75
Ann	37.31	35.34	6.25	Oct 1954	15	11.79	Aug 1978	.03	Oct 2000	127.4	77.3	24.9	8.1	27.50	29.43	31.88	33.73	35.37	36.95	38.57	40.36	42.52	45.65	48.34

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

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(2) Derived from station's available digital record: 1948-2001
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Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.7	8.7	2	1	17.0	1996	8	33.8	1996	26	1996	8	10	1978	3.9	3.0	1.1	.4	.1	7.7	4.6	2.4	1.0
Feb	9.7	10.0	2	1	18.0	1983	11	26.0	1972	18	1983	11	13	1978	3.4	2.8	1.1	.4	.2	8.7	5.3	3.2	1.6
Mar	5.8	5.4	1	#	16.0	1993	13	17.7	1999	15	1993	4	5	1978	2.6	2.0	.9	.4	.1	3.1	1.7	1.0	.5
Apr	1.8	.0	#	0	8.0	1971	7	16.0	1987	5	1987	6	1	1987	.6	.5	.3	.1	.0	.4	.2	.1	.0
May	#	.0	0	0	#	1989	7	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.5	.0	#	0	8.0	1979	10	8.0	1979	3	1979	10	#+	1980	.2	.1	.1	@	.0	.1	@	.0	.0
Nov	2.2	1.0	#	#	9.0	1995	15	13.6	1995	10	1995	15	1	1995	1.2	.9	.3	.1	.0	.9	.4	.3	@
Dec	5.7	2.3	1	#	17.0	1992	10	28.0	1992	13	1997	30	5	1989	2.2	1.8	.5	.4	.2	4.3	2.3	1.4	@
Ann	35.4	27.4	N/A	N/A	18.0	Feb 1983	11	33.8	Jan 1996	26	Jan 1996	8	13	Feb 1978	14.1	11.1	4.3	1.8	.6	25.2	14.5	8.4	3.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
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(1) Derived from Snow Climatology and 1971-2000 daily data

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Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/10	6/04	5/31	5/27	5/24	5/20	5/16	5/12	5/06
32	5/26	5/21	5/17	5/14	5/11	5/08	5/04	4/30	4/25
28	5/15	5/10	5/07	5/04	5/01	4/28	4/25	4/22	4/17
24	4/25	4/20	4/16	4/13	4/10	4/07	4/04	3/31	3/26
20	4/14	4/08	4/04	4/01	3/29	3/25	3/22	3/18	3/12
16	4/07	4/01	3/27	3/23	3/19	3/15	3/11	3/07	2/28

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/08	9/13	9/16	9/20	9/22	9/25	9/29	10/02	10/07
32	9/15	9/20	9/24	9/27	9/30	10/03	10/06	10/10	10/15
28	9/24	9/29	10/03	10/07	10/10	10/13	10/16	10/20	10/26
24	10/12	10/17	10/21	10/24	10/27	10/30	11/02	11/06	11/11
20	10/16	10/23	10/28	11/01	11/05	11/09	11/13	11/18	11/25
16	11/01	11/08	11/14	11/18	11/23	11/27	12/02	12/07	12/15

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	144	136	131	126	121	117	112	106	98
32	163	156	150	146	142	137	133	127	120
28	183	176	170	166	161	157	152	146	139
24	220	213	208	203	199	195	191	186	179
20	250	240	232	226	220	214	208	201	191
16	280	269	261	254	248	241	235	227	216

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
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National Environmental Satellite, Data,
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MATHIAS, WV **COOP ID: 465739**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 1,540 Feet** **Lat: 38˚52N** **Lon: 78˚52W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1139	954	796	498	226	44	10	18	116	424	708	989	5922
60	984	814	641	350	119	8	0	1	41	282	558	834	4632
57	891	730	548	265	72	2	0	0	18	208	469	741	3944
55	829	674	486	213	49	1	0	0	9	165	410	679	3515
50	677	537	343	103	13	0	0	0	1	80	273	537	2564
32	224	145	33	0	0	0	0	0	0	0	15	141	558

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	108	115	260	492	818	1030	1202	1154	908	602	296	175	7160
55	0	0	0	15	154	341	489	441	227	53	2	0	1722
57	0	0	0	7	116	282	427	379	176	35	0	0	1422
60	0	0	0	2	70	198	334	287	109	16	0	0	1016
65	0	0	0	0	22	84	189	149	34	3	0	0	481
70	0	0	0	0	4	20	79	55	5	0	0	0	163

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	30	52	153	340	616	835	981	933	712	398	166	61	30	82	235	575	1191	2026	3007	3940	4652	5050	5216	5277
45	9	22	79	215	462	685	826	778	562	262	90	26	9	31	110	325	787	1472	2298	3076	3638	3900	3990	4016
50	1	8	36	124	315	535	671	623	413	146	41	10	1	9	45	169	484	1019	1690	2313	2726	2872	2913	2923
55	0	1	11	62	187	388	516	468	272	67	12	0	0	1	12	74	261	649	1165	1633	1905	1972	1984	1984
60	0	0	2	20	96	246	361	315	152	19	1	0	0	0	2	22	118	364	725	1040	1192	1211	1212	1212
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	23	44	112	244	395	545	653	617	455	267	111	42	23	67	179	423	818	1363	2016	2633	3088	3355	3466	3508

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: MIDDLEBOURNE 3 ESE, WV **COOP ID: 465963**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 782 Feet** **Lat: 39˚28N** **Lon: 80˚52W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.5	19.0	28.8	79	1950	26	38.1	1974	-34+	1994	19	14.2	1977	1124	0	.0	.0	6.8	9.2	26.2	2.4
Feb	43.0	20.6	31.8	78	2000	27	40.4	1976	-18	1996	6	17.9	1978	930	0	.0	.0	9.5	5.6	23.1	1.8
Mar	53.4	28.1	40.8	87	1950	28	49.9	1973	-8	1980	3	33.4	1996	752	0	.0	.0	19.5	1.3	19.6	.2
Apr	64.1	36.5	50.3	91	1986	28	55.1	1985	10	1964	1	44.9	1997	441	1	.0	.1	27.1	.0	10.5	.0
May	73.1	47.4	60.3	94	1962	18	68.4	1991	22+	1966	10	54.0	1997	193	45	.0	.3	30.9	.0	1.8	.0
Jun	80.5	56.6	68.6	98+	1952	27	72.0	1987	31	1966	2	63.4	1992	32	139	.0	1.5	30.0	.0	@	.0
Jul	84.0	61.9	73.0	103	1988	16	76.0+	1999	37	1988	1	69.5	2000	2	248	.2	5.3	31.0	.0	.0	.0
Aug	82.4	60.2	71.3	101	1955	5	75.5+	1995	38+	1965	29	68.0	1982	11	206	@	3.4	31.0	.0	.0	.0
Sep	76.4	53.2	64.8	103	1953	4	68.6	1978	29	1966	16	61.6	1995	75	69	.0	.9	30.0	.0	.1	.0
Oct	65.7	39.7	52.7	93+	1951	4	60.7	1971	15	1952	21	44.9	1988	392	10	.0	.0	29.6	.0	7.0	.0
Nov	53.7	31.2	42.5	85+	1948	6	48.9	1985	-1	1958	30	34.5	1976	676	0	.0	.0	19.0	.3	16.3	.0
Dec	43.1	24.1	33.6	78	1982	3	42.2	1982	-21	1989	22	19.6	1989	973	0	.0	.0	9.6	5.4	23.7	.9
Ann	63.2	39.9	51.5	103+	Jul 1988	16	76.0+	Jul 1999	-34+	Jan 1994	19	14.2	Jan 1977	5601	718	.2	11.5	274.0	21.8	128.3	5.3

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

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www.ncdc.noaa.gov

Station: MIDDLEBOURNE 3 ESE, WV **COOP ID: 465963**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 782 Feet** **Lat: 39°28N** **Lon: 80°52W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.32	3.18	1.73	1994	28	6.96	1994	.88	1981	15.4	8.5	1.9	.5	1.12	1.44	1.90	2.29	2.66	3.04	3.47	3.96	4.59	5.57	6.47
Feb	3.02	2.95	2.92	2000	19	5.87	2000	.85	1977	12.7	7.2	1.8	.3	1.03	1.32	1.73	2.09	2.42	2.77	3.15	3.59	4.16	5.04	5.85
Mar	3.84	3.27	2.54	1997	2	8.89	1997	1.44	1971	13.5	8.9	2.8	.6	1.61	1.96	2.45	2.85	3.23	3.61	4.03	4.50	5.10	6.01	6.84
Apr	3.48	3.47	2.21	1989	29	6.04	1973	1.30	1971	13.9	8.6	2.2	.5	1.56	1.87	2.30	2.65	2.97	3.30	3.65	4.05	4.56	5.33	6.02
May	4.67	4.68	2.33	1974	12	8.10	1996	1.89	1991	13.8	9.6	3.5	.8	1.98	2.40	3.00	3.48	3.94	4.40	4.89	5.46	6.18	7.28	8.27
Jun	4.27	3.78	3.66	1974	21	11.73	1998	1.31	1988	11.8	8.1	3.0	1.0	1.31	1.71	2.32	2.84	3.34	3.87	4.44	5.12	6.00	7.36	8.63
Jul	4.78	4.38	2.90+	1980	9	9.21	1996	1.88	1998	12.2	8.7	3.3	1.1	2.30	2.71	3.27	3.73	4.15	4.56	5.01	5.52	6.16	7.12	7.99
Aug	4.30	3.97	3.75	1995	6	10.28	1975	.81	1981	11.0	7.8	2.8	1.0	1.49	1.90	2.49	2.99	3.46	3.95	4.49	5.11	5.90	7.14	8.27
Sep	3.62	3.09	3.39	1971	13	10.98	1971	.64	1984	10.7	6.4	2.3	1.1	1.04	1.38	1.90	2.35	2.79	3.25	3.76	4.35	5.13	6.34	7.47
Oct	3.09	3.01	2.92	1954	16	6.62	1976	1.11	1994	10.5	6.7	2.2	.5	1.00	1.30	1.73	2.10	2.45	2.82	3.22	3.69	4.30	5.24	6.11
Nov	3.58	3.34	3.40	1985	5	10.70	1985	.55	1976	11.6	8.0	2.4	.8	1.29	1.63	2.11	2.52	2.91	3.31	3.75	4.25	4.90	5.89	6.81
Dec	3.26	2.93	2.08	1949	13	7.49	1978	1.50	1989	14.0	8.3	1.8	.5	1.38	1.67	2.09	2.43	2.75	3.07	3.41	3.81	4.31	5.08	5.78
Ann	45.23	43.79	3.75	Aug 1995	6	11.73	Jun 1998	.55	Nov 1976	151.1	96.8	30.0	8.7	36.03	37.89	40.23	41.98	43.51	44.97	46.47	48.11	50.07	52.88	55.28

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: MIDDLEBOURNE 3 ESE, WV **COOP ID: 465963**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 782 Feet** **Lat: 39°28N** **Lon: 80°52W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.2	8.0	2	1	12.5	1994	5	34.5	1978	23	1994	21	11	1994	5.7	4.1	1.3	.4	.1	9.4	5.5	3.2	.6
Feb	6.4	5.0	1	1	6.0	1979	12	20.5	1979	14	1979	19	9	1978	3.3	2.8	.7	.1	.0	6.4	3.7	2.6	.7
Mar	3.8	2.3	#	#	11.0	1993	14	14.0	1994	17	1993	15	3	1978	1.7	1.4	.4	.1	@	2.1	1.1	.6	.1
Apr	.7	#	#	0	12.0	1987	4	12.0	1987	12	1987	4	1	1987	.1	.1	.1	@	@	.2	.1	.1	.1
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1972	18	#	1972	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.9	.0	#	#	4.0	1971	24	4.5	1977	4	1971	24	#+	2000	.5	.4	.1	.0	.0	.6	.1	.0	.0
Dec	2.5	2.0	#	#	4.0	1981	18	9.2	2000	6	1993	29	1+	2000	2.5	1.6	.1	.0	.0	3.5	.6	.0	.0
Ann	24.5	17.3	N/A	N/A	12.5	Jan 1994	5	34.5	Jan 1978	23	Jan 1994	21	11	Jan 1994	13.8	10.4	2.7	.6	.1	22.2	11.1	6.5	1.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: MIDDLEBOURNE 3 ESE, WV **COOP ID: 465963**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 782 Feet** **Lat: 39˚28N** **Lon: 80˚52W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/31	5/26	5/22	5/19	5/16	5/13	5/09	5/05	4/30
32	5/20	5/15	5/12	5/09	5/07	5/04	5/01	4/28	4/23
28	5/11	5/06	5/02	4/29	4/26	4/23	4/20	4/16	4/11
24	4/24	4/19	4/15	4/12	4/10	4/07	4/04	3/31	3/26
20	4/11	4/07	4/03	3/31	3/28	3/25	3/22	3/19	3/14
16	4/03	3/26	3/21	3/16	3/11	3/07	3/02	2/25	2/17

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/21	9/25	9/27	9/30	10/02	10/04	10/07	10/09	10/13
32	9/30	10/03	10/06	10/08	10/11	10/13	10/15	10/18	10/21
28	10/08	10/13	10/16	10/19	10/22	10/25	10/28	10/31	11/05
24	10/18	10/23	10/27	10/30	11/02	11/05	11/08	11/12	11/17
20	10/29	11/03	11/06	11/09	11/12	11/14	11/17	11/20	11/25
16	11/09	11/16	11/22	11/26	11/30	12/05	12/09	12/15	12/22

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	155	150	146	142	139	135	132	128	122
32	174	168	163	160	156	153	149	145	138
28	195	189	185	181	178	175	171	167	162
24	226	219	214	210	205	201	197	192	185
20	249	242	236	232	228	224	219	214	207
16	291	282	275	269	263	258	252	245	235

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: MIDDLEBOURNE 3 ESE, WV **COOP ID: 465963**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 782 Feet** **Lat: 39˚28N** **Lon: 80˚52W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1124	930	752	441	193	32	2	11	75	392	676	973	5601
60	969	790	597	298	101	7	0	0	24	261	527	818	4392
57	876	706	508	220	61	2	0	0	10	195	441	728	3747
55	815	650	451	174	41	1	0	0	5	157	386	672	3352
50	672	520	313	82	12	0	0	0	1	82	257	528	2467
32	240	147	35	0	0	0	0	0	0	0	19	149	590

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	138	142	306	550	875	1097	1269	1218	984	642	333	199	7753
55	1	0	9	33	203	407	556	505	299	85	10	9	2117
57	0	0	4	20	161	349	494	443	244	61	5	4	1785
60	0	0	0	7	108	263	401	350	168	34	1	0	1332
65	0	0	0	1	45	139	248	206	69	10	0	0	718
70	0	0	0	0	14	52	114	94	17	1	0	0	292

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	37	57	170	360	652	879	1040	995	770	427	181	68	37	94	264	624	1276	2155	3195	4190	4960	5387	5568	5636
45	16	24	95	241	497	729	885	840	620	289	101	36	16	40	135	376	873	1602	2487	3327	3947	4236	4337	4373
50	2	8	47	143	351	579	730	685	472	168	48	13	2	10	57	200	551	1130	1860	2545	3017	3185	3233	3246
55	0	0	21	75	221	430	575	530	329	85	16	2	0	0	21	96	317	747	1322	1852	2181	2266	2282	2284
60	0	0	4	35	116	287	420	377	202	32	3	0	0	0	4	39	155	442	862	1239	1441	1473	1476	1476
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	46	130	255	417	583	709	673	498	277	119	43	29	75	205	460	877	1460	2169	2842	3340	3617	3736	3779

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MOOREFIELD 1 SSE, WV **COOP ID: 466163**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 890 Feet** **Lat: 39˚03N** **Lon: 78˚58W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.4	18.9	29.7	80+	1950	25	38.5	1974	-20	1982	27	17.7	1977	1096	0	.0	.0	8.1	6.1	26.4	1.6
Feb	45.0	20.9	33.0	82	1985	24	40.5	1990	-17	1996	5	19.5	1978	898	0	.0	.0	11.2	3.3	22.4	.8
Mar	54.7	29.1	41.9	89	1998	31	48.0	1973	-9	1980	3	36.2	1984	716	0	.0	.0	21.3	.5	18.0	@
Apr	65.2	37.2	51.2	95	1976	18	56.3	1994	15	1985	10	46.5	1975	415	1	.0	.3	28.1	.0	8.3	.0
May	74.8	48.8	61.8	98	1996	21	67.6	1991	26+	1968	7	56.2	1997	148	49	.0	1.3	31.0	.0	1.0	.0
Jun	82.4	57.3	69.9	105	1952	17	73.2	1994	33	1977	8	65.5	1972	16	161	.0	5.9	30.0	.0	.0	.0
Jul	86.1	61.5	73.8	106	1988	16	77.5	1999	39	1988	1	70.4	2000	0	273	.2	11.2	31.0	.0	.0	.0
Aug	84.8	60.0	72.4	103	1988	17	77.1	1988	38+	1982	29	69.5	1982	5	235	.2	8.4	31.0	.0	.0	.0
Sep	78.4	52.5	65.5	102	1953	3	69.3	1998	27	1957	28	62.0	1975	61	74	.0	3.0	30.0	.0	.2	.0
Oct	68.3	40.3	54.3	93	1951	5	61.6	1984	15+	1952	21	48.5	1988	342	10	.0	.1	30.3	.0	6.6	.0
Nov	55.6	30.9	43.3	87	1950	1	49.6	1985	8+	1970	25	37.0	1976	653	0	.0	.0	21.1	.2	15.1	.0
Dec	45.4	23.9	34.7	81	2001	6	42.8	1984	-10	1989	23	22.3	1989	941	0	.0	.0	11.8	3.1	23.8	.6
Ann	65.1	40.1	52.6	106	Jul 1988	16	77.5	Jul 1999	-20	Jan 1982	27	17.7	Jan 1977	5291	803	.4	30.2	284.9	13.2	121.8	3.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
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Climatography of the United States No. 20 1971-2000

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Station: MOOREFIELD 1 SSE, WV

COOP ID: 466163

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 890 Feet** **Lat: 39°03N** **Lon: 78°58W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	1.99	1.72	2.00	1996	8	6.10	1996	.22	1981	6.3	5.1	1.4	.2	.39	.57	.86	1.13	1.40	1.69	2.03	2.42	2.95	3.80	4.60
Feb	1.75	1.43	1.75	1994	9	5.13	1994	.25	1978	5.5	4.4	1.1	.2	.27	.42	.67	.91	1.16	1.44	1.75	2.14	2.65	3.49	4.30
Mar	2.57	2.30	2.00	1954	1	5.96	1994	.51	1981	7.3	5.8	1.8	.5	.62	.86	1.23	1.56	1.90	2.25	2.64	3.11	3.72	4.69	5.60
Apr	2.32	1.93	1.57	1987	17	5.10	1973	.54	1985	7.2	5.7	1.4	.4	.59	.81	1.15	1.45	1.74	2.05	2.39	2.80	3.33	4.17	4.96
May	3.59	3.51	2.38	1991	15	6.54	1988	1.34	1999	10.5	8.2	2.2	.6	1.45	1.78	2.25	2.63	2.99	3.36	3.76	4.22	4.80	5.69	6.50
Jun	3.46	3.19	3.30	1995	26	6.87	1995	.74	1999	9.3	7.4	2.0	.8	1.15	1.48	1.96	2.37	2.76	3.16	3.61	4.12	4.79	5.82	6.77
Jul	3.63	3.03	2.44	1991	5	7.78	1989	.63	1983	8.7	7.4	2.6	.9	.93	1.27	1.80	2.27	2.73	3.21	3.75	4.39	5.22	6.54	7.78
Aug	3.47	3.10	2.88	1971	16	7.04	1971	1.12	1981	8.6	7.2	2.2	.7	1.44	1.75	2.20	2.57	2.91	3.26	3.64	4.07	4.62	5.46	6.22
Sep	2.92	2.31	3.38	1996	7	7.95	1987	.13	1985	7.4	5.9	1.9	.6	.41	.66	1.08	1.48	1.91	2.37	2.91	3.57	4.46	5.92	7.32
Oct	2.74	2.33	5.65	1954	16	9.07	1976	.20+	2000	6.2	5.0	1.8	.7	.25	.44	.81	1.19	1.60	2.07	2.63	3.33	4.30	5.91	7.49
Nov	2.51	2.17	2.83	1985	5	6.67	1985	.41+	1998	6.0	4.9	1.8	.6	.54	.77	1.14	1.47	1.81	2.17	2.57	3.05	3.69	4.70	5.66
Dec	1.93	1.66	1.93	1992	11	3.87+	1983	.27	1980	5.6	4.3	1.2	.3	.42	.60	.89	1.14	1.40	1.67	1.98	2.35	2.83	3.61	4.34
Ann	32.88	32.22	5.65	Oct 1954	16	9.07	Oct 1976	.13	Sep 1985	88.6	71.3	21.4	6.5	24.10	25.82	28.01	29.67	31.13	32.55	34.00	35.61	37.55	40.35	42.77

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: MOOREFIELD 1 SSE, WV **COOP ID: 466163**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 890 Feet** **Lat: 39°03N** **Lon: 78°58W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.2	7.3	1	1	24.0	1996	8	39.0	1996	32	1996	8	7	1978	2.5	2.4	1.2	.5	.1	5.9	4.2	2.2	1.2
Feb	5.7	4.5	1	#	11.5	1983	12	24.0	1979	16	1983	13	9	1978	1.7	1.7	.6	.3	@	3.6	2.8	2.0	.5
Mar	4.3	1.0	#	#	12.0	1993	14	21.5	1993	16	1993	14	3	1978	1.1	1.1	.6	.2	@	1.8	1.0	.7	@
Apr	.5	.0	#	0	4.0	1971	7	4.0	1971	2	1990	7	#+	2000	.2	.2	@	.0	.0	.1	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.0	.0	#	0	9.5	1971	25	9.5	1971	8	1995	15	1	1995	.3	.3	.2	.1	.0	@	@	.0	.0
Dec	3.7	.5	1	0	17.5	1992	11	20.5	1992	18	1992	11	7	1973	1.0	.9	.4	.2	.1	.8	.2	.2	.1
Ann	25.4	13.3	N/A	N/A	24.0	Jan 1996	8	39.0	Jan 1996	32	Jan 1996	8	9	Feb 1978	6.8	6.6	3.0	1.3	.2	12.2	8.2	5.1	1.8

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 6 **NWS Call Sign:** **Elevation: 890 Feet** **Lat: 39˚03N** **Lon: 78˚58W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/28	5/23	5/19	5/16	5/13	5/10	5/07	5/04	4/29
32	5/14	5/10	5/07	5/04	5/01	4/28	4/26	4/22	4/18
28	5/01	4/26	4/23	4/20	4/17	4/15	4/12	4/09	4/04
24	4/16	4/11	4/09	4/06	4/04	4/01	3/30	3/27	3/23
20	4/12	4/05	4/01	3/28	3/25	3/21	3/17	3/13	3/07
16	3/28	3/21	3/16	3/12	3/08	3/04	2/28	2/23	2/17

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/19	9/23	9/26	9/28	10/01	10/03	10/05	10/08	10/12
32	9/26	10/01	10/04	10/07	10/10	10/13	10/16	10/20	10/24
28	10/06	10/10	10/13	10/16	10/19	10/22	10/24	10/28	11/01
24	10/16	10/21	10/25	10/28	10/31	11/04	11/07	11/11	11/16
20	10/25	10/31	11/05	11/09	11/13	11/17	11/21	11/26	12/02
16	11/12	11/18	11/22	11/26	11/30	12/03	12/07	12/11	12/17

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	156	150	146	143	140	136	133	129	123
32	179	173	169	165	161	158	154	149	143
28	202	196	191	187	184	180	177	172	166
24	230	223	218	214	210	206	202	197	190
20	261	251	244	238	233	227	221	214	204
16	292	283	276	271	266	260	255	248	239

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 6 **NWS Call Sign:** **Elevation: 890 Feet** **Lat: 39˚03N** **Lon: 78˚58W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1096	898	716	415	148	16	0	5	61	342	653	941	5291
60	941	758	561	273	66	2	0	0	16	214	504	786	4121
57	848	674	470	196	35	0	0	0	6	152	417	693	3491
55	786	618	413	151	20	0	0	0	3	117	362	635	3105
50	642	488	275	66	4	0	0	0	0	53	234	491	2253
32	212	123	20	0	0	0	0	0	0	0	12	115	482

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	139	149	327	575	923	1135	1296	1252	1003	691	349	197	8036
55	0	0	7	37	231	445	583	539	316	94	9	4	2265
57	0	0	2	22	183	385	521	477	259	67	4	0	1920
60	0	0	0	8	121	297	428	384	179	37	1	0	1455
65	0	0	0	1	49	161	273	235	74	10	0	0	803
70	0	0	0	0	13	61	131	109	18	1	0	0	333

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	40	74	198	412	721	933	1079	1033	803	490	209	73	40	114	312	724	1445	2378	3457	4490	5293	5783	5992	6065
45	16	34	112	283	566	783	924	878	653	342	121	39	16	50	162	445	1011	1794	2718	3596	4249	4591	4712	4751
50	2	14	59	172	413	633	769	723	506	214	58	11	2	16	75	247	660	1293	2062	2785	3291	3505	3563	3574
55	0	2	28	96	268	483	614	568	360	113	23	2	0	2	30	126	394	877	1491	2059	2419	2532	2555	2557
60	0	0	8	45	156	339	459	414	229	55	4	0	0	0	8	53	209	548	1007	1421	1650	1705	1709	1709
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	35	55	147	288	465	619	724	692	527	326	148	56	35	90	237	525	990	1609	2333	3025	3552	3878	4026	4082

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: MORGANTOWN HART AP, WV **COOP ID: 466202**

Climate Division: WV 2 **NWS Call Sign: MGW** **Elevation: 1,240 Feet** **Lat: 39˚39N** **Lon: 79˚55W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.4	22.0	30.2	75	1950	25	40.3	1998	-20	1972	16	16.7	1977	1079	0	.0	.0	6.8	10.7	24.9	1.4
Feb	42.3	24.2	33.3	77	2000	26	40.7	1998	-10	1973	17	19.3	1978	890	0	.0	.0	8.7	7.4	21.3	.7
Mar	52.4	31.8	42.1	86	1966	23	48.1	1977	4+	1972	4	35.8	1978	710	0	.0	.0	17.5	2.1	17.2	.0
Apr	63.2	40.2	51.7	92	1976	18	56.7	1994	14	1985	10	46.0	1975	402	2	.0	.1	25.5	.2	6.6	.0
May	72.4	49.7	61.1	91+	1962	16	68.8	1991	27+	1963	2	55.1	1976	185	62	.0	.3	30.7	.0	.6	.0
Jun	79.9	57.7	68.8	97+	1967	13	73.0	1994	30	1972	11	62.5	1972	37	151	.0	1.6	30.0	.0	@	.0
Jul	83.6	62.1	72.9	101	1966	2	77.0	1999	41	1988	1	68.3	1976	6	249	@	5.1	31.0	.0	.0	.0
Aug	82.1	61.0	71.6	99+	1953	31	77.9	1995	38	1982	29	67.3	1982	13	217	.0	3.1	31.0	.0	.0	.0
Sep	75.5	54.3	64.9	102	1953	3	68.7	1971	30	1983	24	60.7	1975	72	69	.0	.6	30.0	.0	.1	.0
Oct	64.5	43.1	53.8	90	1951	3	60.5	1971	17	1969	24	47.5	1988	357	9	.0	.0	28.7	.0	3.4	.0
Nov	53.0	35.1	44.1	83+	1948	5	50.6	1985	3	1958	30	36.9	1976	628	0	.0	.0	17.7	1.0	12.9	.0
Dec	43.0	26.8	34.9	77+	1966	9	42.9	1984	-13	1983	25	21.9	1989	933	0	.0	.0	9.6	6.4	21.6	.5
Ann	62.5	42.3	52.5	102	Sep 1953	3	77.9	Aug 1995	-20	Jan 1972	16	16.7	Jan 1977	5312	759	@	10.8	267.2	27.8	108.6	2.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Climate Division: WV 2 **NWS Call Sign: MGW** **Elevation: 1,240 Feet** **Lat: 39°39N** **Lon: 79°55W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Median	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.87	2.51	1.52	1974	10	6.14	1999	.97	1981	15.3	7.7	1.6	.4	.93	1.21	1.61	1.95	2.28	2.61	2.99	3.42	3.98	4.85	5.65
Feb	2.69	2.38	2.71	2000	18	5.29	1989	.78	1987	12.9	6.6	1.6	.3	.80	1.06	1.44	1.77	2.09	2.43	2.79	3.23	3.78	4.66	5.47
Mar	3.73	3.83	2.17	1967	6	7.08	1994	1.50	1987	14.2	8.6	2.7	.4	1.66	1.99	2.45	2.83	3.18	3.53	3.91	4.35	4.90	5.73	6.48
Apr	3.54	3.69	1.82	1994	10	5.94	1984	1.14	1971	13.2	8.5	2.1	.6	1.55	1.87	2.31	2.67	3.01	3.35	3.71	4.13	4.65	5.46	6.18
May	4.17	3.92	2.82	1956	27	7.13	1985	1.84	1993	13.6	8.7	3.0	.9	2.19	2.53	2.99	3.35	3.69	4.02	4.37	4.77	5.27	6.01	6.68
Jun	4.12	3.51	2.75	1972	23	9.42	1972	1.08	1992	12.5	8.4	3.1	.7	1.37	1.76	2.34	2.82	3.29	3.77	4.30	4.92	5.71	6.94	8.07
Jul	4.22	3.86	4.33	1996	18	11.87	1996	1.36	1995	11.1	7.8	3.1	.9	1.46	1.86	2.44	2.93	3.40	3.88	4.40	5.02	5.80	7.02	8.13
Aug	4.04	3.45	5.01	1956	5	9.72	1980	1.01	1993	10.5	7.0	2.8	.9	1.24	1.63	2.20	2.69	3.17	3.66	4.20	4.84	5.67	6.95	8.14
Sep	3.50	2.89	2.65	1967	28	7.08	1996	.77	1985	10.3	7.4	2.2	.6	1.29	1.61	2.09	2.48	2.86	3.24	3.66	4.14	4.76	5.71	6.58
Oct	2.83	2.68	4.20	1979	9	7.31	1979	.75	1982	10.3	6.2	1.8	.5	.91	1.18	1.58	1.91	2.24	2.58	2.95	3.38	3.94	4.81	5.62
Nov	3.35	3.36	3.49	1985	4	10.87	1985	.86	1976	12.6	7.6	2.0	.4	1.05	1.37	1.84	2.25	2.64	3.04	3.48	4.00	4.67	5.72	6.68
Dec	3.07	2.73	2.24	1990	18	7.26	1990	1.30	1989	13.9	7.2	2.0	.3	1.29	1.57	1.96	2.28	2.58	2.89	3.22	3.59	4.07	4.80	5.46
Ann	42.13	41.45	5.01	Aug 1956	5	11.87	Jul 1996	.75	Oct 1982	150.4	91.7	28.0	6.9	32.54	34.46	36.88	38.69	40.29	41.82	43.39	45.11	47.19	50.16	52.71

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Climatography of the United States No. 20 1971-2000

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MORGANTOWN HART AP, WV **COOP ID: 466202**

Climate Division: WV 2 **NWS Call Sign: MGW** **Elevation: 1,240 Feet** **Lat: 39°39N** **Lon: 79°55W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.2	8.3	2	1	17.8	1994	4	38.8	1994	25+	1996	12	8	1978	7.2	3.8	.9	.3	.1	11.6	7.4	5.2	1.1
Feb	7.3	5.9	1	1	8.6	1983	11	20.6	1972	17+	1979	20	9	1979	5.8	2.6	.6	.2	.0	9.3	4.8	2.6	.6
Mar	5.2	3.7	#	1	20.0	1993	13	25.0	1993	21+	1993	15	2+	1999	3.5	1.4	.5	.3	@	4.4	1.6	1.0	.2
Apr	.9	#	#	0	9.3	1987	4	13.3	1987	11	1987	5	1	1987	.5	.3	.1	@	.0	.3	.1	.1	@
May	#	.0	#	0	#	1989	25	#	1989	0	0	0	#	1999	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	0	0	1.2	1993	31	1.2	1993	#+	1974	3	0	0	.1	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.3	.4	#	0	6.0	1984	18	6.5	1987	10	1995	15	1	1995	1.3	.3	.1	.1	.0	1.1	.3	.1	@
Dec	4.4	2.8	#	0	11.4	1973	9	22.8	1973	10	1992	12	2+	1989	3.6	1.6	.3	.1	@	5.8	1.9	.5	@
Ann	30.4	21.1	N/A	N/A	20.0	Mar 1993	13	38.8	Jan 1994	25+	Jan 1996	12	9	Feb 1979	22.0	10.0	2.5	1.0	.1	32.5	16.1	9.5	1.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 2 **NWS Call Sign: MGW** **Elevation: 1,240 Feet** **Lat: 39˚39N** **Lon: 79˚55W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/25	5/20	5/16	5/13	5/09	5/06	5/03	4/29	4/24
32	5/18	5/12	5/07	5/04	4/30	4/27	4/23	4/18	4/12
28	4/28	4/23	4/19	4/16	4/13	4/10	4/06	4/03	3/28
24	4/15	4/11	4/07	4/04	4/02	3/30	3/27	3/23	3/19
20	4/06	4/01	3/28	3/24	3/21	3/18	3/14	3/11	3/05
16	3/31	3/23	3/18	3/13	3/09	3/04	2/28	2/22	2/15

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/20	9/24	9/28	10/01	10/04	10/06	10/09	10/13	10/17
32	10/01	10/07	10/11	10/14	10/18	10/21	10/25	10/29	11/03
28	10/15	10/20	10/23	10/26	10/29	11/01	11/04	11/07	11/12
24	10/25	10/31	11/05	11/08	11/12	11/15	11/19	11/23	11/29
20	11/04	11/11	11/16	11/20	11/24	11/28	12/02	12/07	12/14
16	11/18	11/25	11/29	12/03	12/07	12/11	12/15	12/19	12/26

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	166	159	154	150	146	142	138	134	127
32	197	187	181	175	170	165	159	152	143
28	222	214	208	203	199	194	189	183	175
24	246	238	233	228	223	219	214	208	201
20	276	266	259	253	247	242	236	229	219
16	300	291	284	278	273	267	262	255	246

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 2 **NWS Call Sign: MGW** **Elevation: 1,240 Feet** **Lat: 39˚39N** **Lon: 79˚55W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1079	890	710	402	185	37	6	13	72	357	628	933	5312
60	924	750	557	261	99	9	0	1	21	227	480	778	4107
57	831	666	471	187	61	4	0	0	8	163	396	692	3479
55	772	611	413	143	41	2	0	0	4	127	341	634	3088
50	629	481	282	62	13	0	0	0	0	59	219	491	2236
32	212	124	29	0	0	0	0	0	0	0	12	129	506

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	157	159	342	590	900	1104	1266	1227	987	675	374	219	8000
55	3	1	13	44	228	415	553	514	301	89	13	11	2185
57	0	0	8	27	185	357	491	452	245	63	8	7	1843
60	0	0	1	11	130	273	398	359	168	34	2	0	1376
65	0	0	0	2	62	151	249	217	69	9	0	0	759
70	0	0	0	0	22	65	121	106	17	1	0	0	332

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	49	73	185	380	667	882	1036	1002	762	448	209	79	49	122	307	687	1354	2236	3272	4274	5036	5484	5693	5772
45	23	34	116	257	514	732	881	847	612	307	127	38	23	57	173	430	944	1676	2557	3404	4016	4323	4450	4488
50	6	14	63	160	367	582	726	692	464	185	64	18	6	20	83	243	610	1192	1918	2610	3074	3259	3323	3341
55	1	1	32	88	240	434	571	537	326	97	33	4	1	2	34	122	362	796	1367	1904	2230	2327	2360	2364
60	0	0	10	42	133	289	416	384	196	40	10	0	0	0	10	52	185	474	890	1274	1470	1510	1520	1520
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	41	118	236	410	585	709	675	489	257	116	43	29	70	188	424	834	1419	2128	2803	3292	3549	3665	3708

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: MORGANTOWN LOCK & DAM, WV **COOP ID: 466212**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 825 Feet** **Lat: 39˚37N** **Lon: 79˚58W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.2	22.3	30.8	80	1950	25	40.2	1990	-21	1982	17	17.0	1977	1061	0	.0	.0	6.9	8.9	25.9	1.6
Feb	43.1	24.3	33.7	85+	1951	1	41.1	1990	-11	1979	11	22.4	1978	876	0	.0	.0	9.1	6.0	22.1	1.2
Mar	53.3	31.9	42.6	86	1950	27	50.3	1973	-3	1980	3	35.4	1980	694	0	.0	.0	18.8	1.3	18.2	.1
Apr	64.2	40.3	52.3	91+	1976	18	57.7	1985	14	1976	12	47.4	1980	385	2	.0	.1	27.2	.0	8.1	.0
May	72.7	49.9	61.3	93+	1949	5	68.5	1991	6	1951	2	56.7	1994	171	57	.0	.1	30.9	.0	1.0	.0
Jun	80.2	58.6	69.4	97	1953	21	72.2	1994	31	1972	11	62.0	1972	27	159	.0	1.7	30.0	.0	@	.0
Jul	83.4	63.5	73.5	100	1949	6	78.2	1999	42+	1960	8	70.1	2000	4	267	.0	4.5	31.0	.0	.0	.0
Aug	82.1	62.1	72.1	101	1948	28	76.9	1995	36	1982	29	68.4	1982	10	230	.1	3.0	31.0	.0	.0	.0
Sep	75.8	55.8	65.8	106	1953	2	71.6	1998	30	1957	28	63.1	1984	58	82	.0	.8	30.0	.0	@	.0
Oct	65.0	43.7	54.4	96	1998	20	60.5	1984	15	1972	20	47.6	1980	348	18	.0	.0	29.3	.0	3.8	.0
Nov	53.6	35.0	44.3	87	1948	5	52.4	1985	2	1958	30	36.1	1976	621	0	.0	.0	18.8	.4	14.6	.0
Dec	43.7	27.0	35.4	78	1982	3	43.9	1982	-15	1983	25	22.3	1989	919	0	.0	.0	9.9	5.1	23.1	.5
Ann	63.0	42.9	53.0	106	Sep 1953	2	78.2	Jul 1999	-21	Jan 1982	17	17.0	Jan 1977	5174	815	.1	10.2	272.9	21.7	116.8	3.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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COOP ID: 466212

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 825 Feet** **Lat: 39°37N** **Lon: 79°58W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.27	2.98	1.64	1974	11	6.29	1978	.96	1981	16.2	8.3	1.7	.5	1.09	1.40	1.86	2.24	2.61	2.99	3.41	3.90	4.52	5.49	6.39
Feb	2.88	2.63	3.00	2000	19	5.76	2000	1.00	1978	13.9	7.2	1.3	.3	.92	1.20	1.60	1.95	2.28	2.62	3.00	3.44	4.01	4.89	5.71
Mar	3.82	3.99	2.01	1985	30	7.50	1994	1.35	1990	14.4	9.0	2.6	.6	1.77	2.11	2.57	2.94	3.29	3.63	4.00	4.43	4.96	5.77	6.49
Apr	3.71	3.59	1.75	1994	11	5.80	1972	.95	1971	14.3	9.1	2.4	.5	1.67	2.00	2.46	2.83	3.17	3.52	3.89	4.31	4.85	5.65	6.38
May	4.37	4.76	2.90	1998	25	6.64	1996	1.38	1993	13.8	9.1	3.0	1.0	2.01	2.39	2.92	3.36	3.76	4.16	4.59	5.08	5.70	6.63	7.48
Jun	4.04	3.80	3.03	1972	23	9.20	1972	.98	1991	11.8	8.4	2.8	.8	1.10	1.49	2.07	2.58	3.08	3.60	4.19	4.87	5.77	7.17	8.48
Jul	4.24	3.93	3.75	1996	19	10.59	1996	.76	1998	11.2	8.0	3.2	.9	1.22	1.62	2.23	2.76	3.27	3.81	4.40	5.10	6.01	7.43	8.75
Aug	3.96	3.28	4.62	1948	5	11.40	1980	.97	1981	10.7	7.2	2.9	1.0	1.10	1.47	2.04	2.54	3.02	3.53	4.10	4.76	5.63	6.99	8.26
Sep	3.35	2.68	2.55	1996	17	6.33+	1996	.82	1985	10.2	7.0	2.3	.7	1.18	1.49	1.95	2.34	2.71	3.09	3.50	3.98	4.60	5.55	6.42
Oct	2.87	2.82	3.85	1954	16	8.30	1976	.68	1982	10.2	6.5	1.8	.5	.93	1.20	1.60	1.94	2.28	2.62	2.99	3.43	4.00	4.88	5.69
Nov	3.53	3.43	3.56	1985	5	10.93	1985	.81	1976	13.3	7.9	2.2	.5	1.22	1.56	2.04	2.45	2.84	3.24	3.68	4.19	4.85	5.86	6.80
Dec	3.26	2.96	1.67	1990	19	7.88	1990	1.51	1998	15.9	7.7	2.1	.3	1.40	1.69	2.11	2.44	2.76	3.07	3.41	3.81	4.30	5.06	5.74
Ann	43.30	42.23	4.62	Aug 1948	5	11.40	Aug 1980	.68	Oct 1982	155.9	95.4	28.3	7.6	33.66	35.59	38.03	39.85	41.46	43.00	44.58	46.31	48.39	51.37	53.93

+ Also occurred on an earlier date(s)
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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.6	5.0	2	1	6.0	1971	1	21.0	1978	20	1994	20	8	1994	2.3	1.6	.6	.2	.0	4.9	2.5	1.1	.0
Feb	5.3	4.5	1	#	7.0	1977	20	9.5	1978	15	1979	19	8	1979	1.7	1.4	.3	.2	.0	4.5	2.6	2.1	.0
Mar	1.9	.0	#	#	5.0	1971	4	8.5	1971	13	1993	14	3	1978	1.0	.7	.1	.1	.0	1.5	.6	.5	.0
Apr	.1	.0	#	0	1.0	1973	11	2.0	1973	1	1973	11	#+	1975	.1	.1	.0	.0	.0	@	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1972	19	#	1972	#	1972	19	#	1972	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.3	.0	#	0	3.0	1971	25	4.0	1971	3	1971	25	#+	1989	.3	.2	@	.0	.0	.1	@	.0	.0
Dec	1.7	1.0	#	#	3.1	1972	1	7.0	1973	6	1992	11	2	1993	1.0	.8	.1	.0	.0	1.6	.1	.0	.0
Ann	15.9	10.5	N/A	N/A	7.0	Feb 1977	20	21.0	Jan 1978	20	Jan 1994	20	8+	Jan 1994	6.4	4.8	1.1	.5	.0	12.6	5.8	3.7	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
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www.ncdc.noaa.gov

Station: MORGANTOWN LOCK & DAM, WV **COOP ID: 466212**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 825 Feet** **Lat: 39˚37N** **Lon: 79˚58W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/27	5/22	5/18	5/14	5/11	5/07	5/04	4/30	4/24
32	5/19	5/13	5/08	5/04	5/01	4/27	4/23	4/18	4/12
28	5/10	5/04	4/29	4/25	4/21	4/17	4/13	4/08	4/02
24	4/22	4/16	4/12	4/08	4/05	4/01	3/28	3/24	3/18
20	4/11	4/04	3/30	3/26	3/22	3/18	3/14	3/09	3/02
16	3/30	3/22	3/17	3/13	3/09	3/04	2/28	2/23	2/15

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/19	9/25	9/28	10/02	10/05	10/08	10/11	10/15	10/20
32	10/01	10/07	10/10	10/14	10/17	10/20	10/23	10/27	11/02
28	10/13	10/18	10/22	10/26	10/29	11/01	11/05	11/09	11/15
24	10/25	10/30	11/04	11/07	11/11	11/14	11/18	11/22	11/28
20	10/29	11/06	11/12	11/17	11/22	11/26	12/01	12/07	12/15
16	11/13	11/21	11/26	12/01	12/06	12/11	12/16	12/22	12/30

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	172	163	157	151	146	141	136	130	121
32	198	188	181	174	169	163	157	149	139
28	220	210	203	196	190	185	178	171	160
24	249	239	231	225	219	213	207	200	190
20	278	267	258	251	244	237	230	222	210
16	309	296	287	279	272	265	257	248	235

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: MORGANTOWN LOCK & DAM, WV **COOP ID: 466212**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 825 Feet** **Lat: 39˚37N** **Lon: 79˚58W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1061	876	694	385	171	27	4	10	58	348	621	919	5174
60	906	736	543	248	86	5	0	0	16	227	475	764	4006
57	813	652	457	176	50	2	0	0	6	167	393	675	3391
55	751	598	400	135	33	1	0	0	3	134	340	618	3013
50	609	469	273	59	9	0	0	0	0	68	222	475	2184
32	193	117	28	0	0	0	0	0	0	0	14	114	466

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	156	164	357	607	908	1122	1286	1243	1014	693	384	217	8151
55	1	2	16	52	228	433	573	530	327	114	19	9	2304
57	0	0	11	33	184	374	511	468	270	85	12	4	1952
60	0	0	4	15	127	288	418	375	190	52	5	0	1474
65	0	0	0	2	57	159	267	230	82	18	0	0	815
70	0	0	0	0	18	66	133	113	21	4	0	0	355

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	39	52	172	373	658	876	1030	985	765	443	190	68	39	91	263	636	1294	2170	3200	4185	4950	5393	5583	5651
45	16	21	97	245	504	726	875	830	615	297	107	31	16	37	134	379	883	1609	2484	3314	3929	4226	4333	4364
50	1	5	45	145	354	576	720	675	465	175	47	11	1	6	51	196	550	1126	1846	2521	2986	3161	3208	3219
55	0	0	17	76	222	427	565	520	322	87	17	1	0	0	17	93	315	742	1307	1827	2149	2236	2253	2254
60	0	0	3	30	116	283	410	367	190	33	2	0	0	0	3	33	149	432	842	1209	1399	1432	1434	1434
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	28	42	119	245	409	577	704	667	488	265	113	39	28	70	189	434	843	1420	2124	2791	3279	3544	3657	3696

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: MOUNDSVILLE, WV **COOP ID: 466248**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 39˚54N** **Lon: 80˚45W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.0	20.1	29.1	74	1999	23	38.5	1990	-20	1994	19	15.0	1977	1115	0	.0	.0	5.3	9.7	26.5	2.1
Feb	41.8	21.8	31.8	78	2000	27	39.8	1998	-13	1977	8	18.9	1978	929	0	.0	.0	7.5	6.2	22.8	1.5
Mar	52.3	29.9	41.1	84	1998	31	48.6	1973	-3	1980	1	34.5	1984	741	0	.0	.0	18.2	1.3	19.8	@
Apr	63.7	39.0	51.4	92	1986	29	55.8	1985	11	1964	1	45.4	1975	411	2	.0	.1	26.4	@	9.0	.0
May	73.4	49.2	61.3	93	1991	30	69.8	1991	25	1966	10	56.2	1997	175	60	.0	.5	30.9	.0	1.0	.0
Jun	81.8	58.4	70.1	98+	1971	28	73.8	1991	36+	1977	8	65.6	1974	21	174	.0	3.8	30.0	.0	.0	.0
Jul	85.3	62.8	74.1	99+	1966	2	77.9	1999	44+	1965	21	70.7	1976	0	282	@	7.3	31.0	.0	.0	.0
Aug	84.0	61.5	72.8	99+	1983	21	77.5	1995	40+	1982	29	69.2	1976	8	249	.0	5.3	31.0	.0	.0	.0
Sep	77.6	54.4	66.0	96+	1964	10	71.1	1987	31	1983	27	61.6	1974	68	97	.0	1.4	30.0	.0	@	.0
Oct	65.8	41.7	53.8	87+	1969	13	61.4	1971	18	1969	24	47.3	1976	359	12	.0	.0	29.6	.0	4.2	.0
Nov	53.6	33.7	43.7	81	1982	3	49.4	1985	6	1976	30	35.7	1976	642	0	.0	.0	17.9	.4	15.7	.0
Dec	42.5	25.6	34.1	78	1982	4	41.0	1984	-11	1983	25	20.6	1989	959	0	.0	.0	8.4	5.2	23.3	.6
Ann	63.3	41.5	52.4	99+	Aug 1983	21	77.9	Jul 1999	-20	Jan 1994	19	15.0	Jan 1977	5428	876	@	18.4	266.2	22.8	122.3	4.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

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Issue Date: February 2004

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Station: MOUNDSVILLE, WV

COOP ID: 466248

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 39°54N** **Lon: 80°45W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.85	2.63	1.68	1994	28	6.59	1999	.77	1983	13.9	7.5	1.5	.3	.87	1.14	1.55	1.89	2.23	2.58	2.96	3.42	4.00	4.91	5.75
Feb	2.32	2.49	2.25	1966	13	4.57	1975	.51	1978	11.5	6.5	1.3	.3	.69	.91	1.24	1.53	1.81	2.10	2.41	2.79	3.27	4.03	4.73
Mar	3.27	3.07	1.66	1997	2	5.67+	1996	1.22	1981	13.3	7.9	2.2	.5	1.31	1.62	2.04	2.39	2.72	3.06	3.42	3.84	4.38	5.19	5.93
Apr	3.48	3.55	1.71	1981	13	7.15	1981	.76	1971	13.3	8.4	2.2	.5	1.37	1.69	2.15	2.53	2.88	3.25	3.64	4.10	4.68	5.56	6.37
May	4.22	4.41	2.50	1971	6	7.55	1996	1.40	1986	13.3	8.9	3.0	.6	1.75	2.13	2.67	3.12	3.54	3.96	4.42	4.94	5.61	6.62	7.55
Jun	4.46	4.83	2.57	1968	11	10.40	1998	.82	1999	11.8	8.3	3.2	1.0	1.18	1.60	2.24	2.81	3.37	3.96	4.61	5.39	6.40	7.99	9.47
Jul	4.24	3.65	3.40	1999	2	8.10	1980	1.46	1987	10.5	7.5	3.0	.9	1.75	2.14	2.69	3.14	3.56	3.99	4.45	4.98	5.65	6.68	7.61
Aug	4.09	3.93	5.01	1975	31	11.68	1975	1.07	1996	10.3	7.1	2.7	.9	1.26	1.65	2.23	2.73	3.21	3.70	4.25	4.90	5.73	7.02	8.22
Sep	3.41	3.47	2.24	1965	12	6.43	1975	.51	1985	10.5	6.7	2.3	1.0	1.24	1.56	2.02	2.41	2.78	3.16	3.57	4.04	4.65	5.58	6.44
Oct	2.66	2.57	1.54	1975	18	6.05	1995	.56	1991	10.3	6.3	1.8	.3	.66	.91	1.30	1.64	1.98	2.34	2.74	3.21	3.83	4.82	5.74
Nov	3.47	3.09	3.77	1985	5	15.97	1985	.63	1976	12.8	8.1	2.0	.4	.98	1.31	1.81	2.25	2.67	3.11	3.60	4.18	4.92	6.10	7.19
Dec	3.08	2.56	2.74	1991	3	7.31	1990	1.43	1971	12.9	7.4	1.7	.4	1.28	1.56	1.95	2.28	2.58	2.89	3.22	3.61	4.09	4.83	5.50
Ann	41.55	40.65	5.01	Aug 1975	31	15.97	Nov 1985	.51+	Sep 1985	144.4	90.6	26.9	7.1	32.42	34.25	36.56	38.29	39.81	41.27	42.76	44.40	46.37	49.19	51.60

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
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Station: MOUNDSVILLE, WV **COOP ID: 466248**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 39°54N** **Lon: 80°45W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.7	6.5	2	1	12.0	1994	4	28.0	1994	28	1994	25	20	1994	3.0	2.2	.8	.2	.1	8.3	5.4	2.9	2.4
Feb	3.8	4.0	1	#	7.0	1979	13	9.0	1981	15	1977	3	7	1979	2.4	1.5	.8	.2	.0	5.2	3.8	3.0	.6
Mar	3.7	1.5	#	#	20.0	1993	14	21.4	1993	21	1993	14	1+	1999	1.0	.9	.5	.2	.1	.7	.4	.3	.0
Apr	.0	.0	#	0	.5	1992	2	.5	1992	1	1992	2	#+	1997	@	.0	.0	.0	.0	.1	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	1.0	1993	31	1.0	1993	1	1993	31	#	1993	@	@	.0	.0	.0	.1	.0	.0	.0
Nov	.3	.0	#	0	4.0	1971	24	4.0	1971	4	1971	24	#+	2000	.2	.1	@	.0	.0	.3	.1	.0	.0
Dec	1.3	.7	#	#	3.0	1974	1	4.5	1974	3	1984	6	3	1973	1.4	.5	.1	.0	.0	1.5	.1	.0	.0
Ann	16.8	12.7	N/A	N/A	20.0	Mar 1993	14	28.0	Jan 1994	28	Jan 1994	25	20	Jan 1994	8.0	5.2	2.2	.6	.2	16.2	9.8	6.2	3.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Climate Division: WV 1 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 39˚54N** **Lon: 80˚45W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/22	5/17	5/13	5/10	5/07	5/04	5/01	4/27	4/22
32	5/13	5/09	5/05	5/02	4/30	4/27	4/24	4/21	4/16
28	4/29	4/24	4/21	4/18	4/15	4/12	4/09	4/06	4/01
24	4/18	4/13	4/09	4/06	4/03	3/31	3/28	3/24	3/19
20	4/09	4/03	3/30	3/26	3/22	3/19	3/15	3/11	3/04
16	3/27	3/20	3/16	3/12	3/08	3/04	3/01	2/24	2/17

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/28	10/01	10/04	10/06	10/08	10/09	10/11	10/14	10/17
32	10/05	10/10	10/13	10/16	10/19	10/21	10/24	10/27	11/01
28	10/16	10/21	10/25	10/28	10/31	11/03	11/06	11/09	11/14
24	10/22	10/28	11/02	11/06	11/09	11/13	11/17	11/21	11/28
20	11/03	11/11	11/16	11/21	11/25	11/30	12/04	12/10	12/17
16	11/21	11/28	12/03	12/07	12/10	12/14	12/18	12/23	12/30

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	171	165	160	156	153	149	145	140	134
32	190	184	179	175	171	167	163	159	152
28	218	211	206	202	198	194	190	185	178
24	247	238	231	225	220	214	209	202	193
20	279	268	260	253	247	241	234	226	215
16	301	293	287	281	276	272	266	260	252

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: MOUNDSVILLE, WV **COOP ID: 466248**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 620 Feet** **Lat: 39˚54N** **Lon: 80˚45W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1115	929	741	411	175	21	0	8	68	359	642	959	5428
60	960	789	586	270	90	4	0	0	22	232	493	804	4250
57	867	705	497	195	54	1	0	0	9	168	407	711	3614
55	805	649	440	151	36	0	0	0	5	132	352	655	3225
50	661	518	303	67	10	0	0	0	1	64	226	511	2361
32	227	144	32	0	0	0	0	0	0	0	11	131	545

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	135	138	314	581	909	1142	1305	1264	1019	675	360	194	8036
55	0	0	9	42	232	453	592	551	334	94	11	6	2324
57	0	0	4	26	187	394	530	489	278	69	5	0	1982
60	0	0	0	11	130	306	437	396	201	39	1	0	1521
65	0	0	0	2	60	174	282	249	97	12	0	0	876
70	0	0	0	0	21	74	142	125	34	2	0	0	398

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	30	44	159	357	659	898	1057	1013	780	439	174	58	30	74	233	590	1249	2147	3204	4217	4997	5436	5610	5668
45	13	17	88	234	505	748	902	858	630	296	97	28	13	30	118	352	857	1605	2507	3365	3995	4291	4388	4416
50	2	2	45	137	357	598	747	703	482	178	45	6	2	4	49	186	543	1141	1888	2591	3073	3251	3296	3302
55	0	0	22	72	228	449	592	548	338	90	18	0	0	0	22	94	322	771	1363	1911	2249	2339	2357	2357
60	0	0	3	31	125	305	437	396	209	39	4	0	0	0	3	34	159	464	901	1297	1506	1545	1549	1549
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	24	38	115	234	415	594	716	691	502	274	109	34	24	62	177	411	826	1420	2136	2827	3329	3603	3712	3746

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Climatography of the United States No. 20 1971-2000

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NEW CUMBERLAND L/D, WV **COOP ID: 466442**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 675 Feet** **Lat: 40˚32N** **Lon: 80˚38W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.8	19.0	27.4	76	1950	25	37.9	1990	-19	1985	21	12.5	1977	1166	0	.0	.0	5.0	10.8	26.1	1.8
Feb	39.9	20.2	30.1	73+	1957	25	39.0	1998	-12	1979	11	17.3	1979	980	0	.0	.0	7.4	6.3	22.5	1.1
Mar	50.2	27.1	38.7	84	1950	27	46.2	1973	-2	1980	2	32.0	1984	817	0	.0	.0	17.0	1.5	19.1	.1
Apr	61.4	35.8	48.6	91+	1976	18	53.6	1985	12	1964	1	43.7	1975	493	0	.0	.2	26.9	@	9.5	.0
May	71.9	47.0	59.5	97	1953	31	68.0	1991	24	1986	3	53.8	1997	215	43	.0	.5	30.9	.0	1.2	.0
Jun	78.7	56.4	67.6	100	1952	26	71.1	1994	33	1972	11	63.3	1980	44	120	.0	2.7	30.0	.0	.0	.0
Jul	82.2	61.0	71.6	102	1954	14	75.9	1999	41	1963	9	68.5	2000	6	212	.1	5.3	31.0	.0	.0	.0
Aug	80.5	59.4	70.0	102	1953	30	75.9	1995	38	1986	29	66.7	1976	18	171	@	2.8	31.0	.0	.0	.0
Sep	75.2	53.0	64.1	103	1953	3	67.7	1998	32	1974	23	59.3	1974	78	50	.0	1.0	30.0	.0	@	.0
Oct	64.0	40.3	52.2	91	1951	5	57.8	1971	20	1952	21	45.7	1976	403	4	.0	.0	29.4	.0	3.6	.0
Nov	51.4	31.8	41.6	85	1961	3	46.6	1994	1	1958	30	32.8	1976	703	0	.0	.0	17.2	.5	13.7	.0
Dec	40.1	24.2	32.2	77	1982	3	39.2	1982	-10+	1951	16	18.8	1989	1018	0	.0	.0	7.0	6.2	23.8	.5
Ann	60.9	39.6	50.3	103	Sep 1953	3	75.9+	Jul 1999	-19	Jan 1985	21	12.5	Jan 1977	5941	600	.1	12.5	262.8	25.3	119.5	3.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
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151 Patton Avenue
Asheville, North Carolina 28801
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Station: NEW CUMBERLAND L/D, WV

COOP ID: 466442

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 675 Feet** **Lat: 40°32N** **Lon: 80°38W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.50	2.28	2.38	1952	26	4.60	1999	.60	1981	12.9	6.8	1.5	.4	.82	1.05	1.40	1.70	1.98	2.28	2.60	2.98	3.47	4.23	4.92
Feb	2.08	1.82	1.75	1975	24	4.57	1975	.13	1978	10.4	5.5	1.1	.1	.54	.74	1.04	1.31	1.57	1.84	2.15	2.51	2.99	3.74	4.44
Mar	3.36	3.33	1.75	1955	4	6.15	1997	1.13	1979	12.8	7.8	1.7	.2	1.49	1.79	2.21	2.55	2.86	3.18	3.53	3.92	4.41	5.16	5.84
Apr	2.95	2.89	1.65	1970	24	6.15	1981	.23	1971	12.8	7.4	1.6	.3	.91	1.19	1.61	1.97	2.31	2.67	3.07	3.54	4.14	5.07	5.94
May	3.84	4.13	2.81	1971	6	6.59	1990	1.15	1986	13.0	8.4	2.2	.7	1.25	1.61	2.15	2.61	3.05	3.51	4.01	4.59	5.35	6.52	7.60
Jun	3.76	3.68	5.39	1956	18	8.44	1980	.89	1988	12.4	7.9	2.1	.6	1.18	1.54	2.07	2.52	2.96	3.41	3.91	4.50	5.26	6.43	7.52
Jul	4.36	3.68	2.60	1962	3	8.99	1992	1.81	1973	11.3	6.9	2.7	.7	2.02	2.40	2.93	3.35	3.75	4.14	4.57	5.05	5.66	6.58	7.41
Aug	3.18	2.67	4.52	1952	16	8.46	1980	1.24	1993	10.6	6.3	1.9	.8	1.11	1.41	1.84	2.21	2.56	2.93	3.32	3.78	4.37	5.28	6.11
Sep	3.03	3.10	2.40	1972	14	7.17	1975	.72+	1985	10.0	6.5	2.1	.4	1.01	1.29	1.72	2.07	2.42	2.77	3.16	3.62	4.20	5.11	5.94
Oct	2.33	2.05	3.16	1954	15	4.92	1983	.21	1982	9.9	5.3	1.5	.4	.60	.82	1.16	1.46	1.75	2.06	2.41	2.82	3.35	4.20	4.99
Nov	2.85	2.65	2.65	1985	4	11.89	1985	.83	1976	12.3	6.9	1.6	.3	.86	1.13	1.53	1.88	2.22	2.58	2.97	3.42	4.02	4.94	5.80
Dec	2.61	2.20	1.72	1986	2	5.93	1990	.98	1979	13.2	6.4	1.5	.4	1.07	1.31	1.65	1.92	2.19	2.45	2.74	3.07	3.49	4.13	4.71
Ann	36.85	35.36	5.39	Jun 1956	18	11.89	Nov 1985	.13	Feb 1978	141.6	82.1	21.5	5.3	28.17	29.90	32.09	33.74	35.19	36.58	38.01	39.59	41.48	44.20	46.53

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
(3) Derived from 1971-2000 serially complete daily data

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: NEW CUMBERLAND L/D, WV **COOP ID: 466442**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 675 Feet** **Lat: 40°32N** **Lon: 80°38W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.9	8.5	2	#	5.0	1978	17	30.6	1978	17	1978	21	9	1977	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9
Feb	5.6	4.6	1	1	5.5	1986	11	12.0	1979	13	1979	19	7	1979	4.0	2.3	.5	.1	.0	8.0	5.1	3.1	.3
Mar	3.6	2.8	#	#	4.0	1980	14	9.4	1988	5	1971	4	1	1984	2.8	1.6	.2	.0	.0	1.6	.6	.0	.0
Apr	.5	.0	#	0	7.5	1987	4	7.5	1987	2	1972	7	#	1972	.4	.3	.1	.1	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1974	2	#	1974	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.5	.5	#	0	5.0	1980	18	7.5	1976	5	1980	18	1	1976	1.1	.6	.1	.1	.0	.7	.1	.0	.0
Dec	3.4	2.9	1	#	3.5	1981	17	5.5	1981	8	1973	31	8	1973	-9.9	-9.9	-9.9	-9.9	-9.9	3.3	.7	.0	.0
Ann	25.5	19.3	N/A	N/A	7.5	Apr 1987	4	30.6	Jan 1978	17	Jan 1978	21	9	Jan 1977	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9	-9.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Station: NEW CUMBERLAND L/D, WV **COOP ID: 466442**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 675 Feet** **Lat: 40˚32N** **Lon: 80˚38W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/29	5/23	5/19	5/16	5/13	5/09	5/06	5/02	4/26
32	5/14	5/10	5/08	5/05	5/03	5/01	4/29	4/26	4/22
28	5/04	4/29	4/26	4/23	4/21	4/18	4/15	4/12	4/07
24	4/21	4/17	4/13	4/10	4/08	4/05	4/02	3/30	3/25
20	4/11	4/05	3/31	3/28	3/24	3/21	3/17	3/13	3/07
16	3/30	3/25	3/20	3/17	3/13	3/10	3/06	3/02	2/24

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/21	9/25	9/29	10/02	10/05	10/08	10/11	10/14	10/19
32	10/06	10/11	10/14	10/17	10/19	10/22	10/25	10/28	11/02
28	10/18	10/22	10/26	10/28	10/31	11/03	11/06	11/09	11/14
24	10/30	11/04	11/07	11/10	11/13	11/16	11/19	11/22	11/27
20	11/09	11/15	11/20	11/24	11/27	12/01	12/04	12/09	12/15
16	11/17	11/24	11/30	12/04	12/08	12/13	12/17	12/22	12/30

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	167	159	153	149	144	140	135	130	122
32	186	180	176	172	169	165	161	157	151
28	210	204	200	196	193	190	186	182	176
24	238	232	227	223	219	215	211	206	199
20	273	264	257	252	247	242	236	230	221
16	296	287	280	275	269	264	259	252	243

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: NEW CUMBERLAND L/D, WV **COOP ID: 466442**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 675 Feet** **Lat: 40˚32N** **Lon: 80˚38W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1166	980	817	493	215	44	6	18	78	403	703	1018	5941
60	1011	840	662	346	118	11	0	2	22	264	553	863	4692
57	918	756	569	262	75	4	0	0	7	193	465	770	4019
55	856	700	512	212	52	2	0	0	3	151	407	708	3603
50	712	568	369	106	17	0	0	0	0	74	273	567	2686
32	264	176	52	0	0	0	0	0	0	0	18	165	675

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	121	121	258	498	851	1066	1228	1176	962	624	305	170	7380
55	0	0	5	19	190	378	515	463	276	62	4	0	1912
57	0	0	0	10	151	320	453	401	220	42	1	0	1598
60	0	0	0	3	101	237	360	310	144	20	0	0	1175
65	0	0	0	0	43	120	212	171	50	4	0	0	600
70	0	0	0	0	13	42	92	73	9	0	0	0	229

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	36	50	159	354	661	886	1033	995	771	446	183	55	36	86	245	599	1260	2146	3179	4174	4945	5391	5574	5629
45	13	21	91	231	506	736	878	840	621	302	105	27	13	34	125	356	862	1598	2476	3316	3937	4239	4344	4371
50	2	5	50	137	358	586	723	685	472	181	48	8	2	7	57	194	552	1138	1861	2546	3018	3199	3247	3255
55	0	0	25	72	229	436	568	530	327	90	19	1	0	0	25	97	326	762	1330	1860	2187	2277	2296	2297
60	0	0	6	34	120	292	413	376	197	34	5	0	0	0	6	40	160	452	865	1241	1438	1472	1477	1477
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	19	34	111	235	419	587	705	675	491	268	106	32	19	53	164	399	818	1405	2110	2785	3276	3544	3650	3682

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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www.ncdc.noaa.gov

Station: OAK HILL, WV **COOP ID: 466591**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,991 Feet** **Lat: 37˚58N** **Lon: 81˚09W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.9	21.2	30.6	73	1973	1	40.7	1974	-20	1985	21	18.1	1977	1067	0	.0	.0	7.1	8.8	25.7	1.7
Feb	43.9	23.6	33.8	76	1977	27	41.6	1990	-11+	1996	5	23.2	1978	875	0	.0	.0	9.5	6.4	22.6	.8
Mar	53.0	30.8	41.9	86	1976	31	48.4	1976	-2	1960	13	34.9	1996	716	0	.0	.0	18.4	1.9	17.9	.1
Apr	63.3	39.3	51.3	89+	1957	27	57.4	1981	13	1985	10	45.9	1997	413	2	.0	.0	25.5	.2	7.8	.0
May	71.5	47.6	59.6	89+	1953	26	65.6	1991	24	1960	2	53.7	1997	203	34	.0	.0	30.5	.0	1.2	.0
Jun	78.6	55.7	67.2	95+	1952	30	70.2	1971	34+	1972	11	61.7	1972	40	105	.0	.4	30.0	.0	.0	.0
Jul	82.1	60.0	71.1	99	1954	15	74.6	1999	40	1983	12	67.7	1996	5	192	.0	2.0	31.0	.0	.0	.0
Aug	80.9	59.0	70.0	97	1953	31	74.1	1995	39+	1951	26	67.0	1997	14	168	.0	1.2	31.0	.0	.0	.0
Sep	74.8	52.6	63.7	98	1953	4	67.8	1978	28	1956	21	60.5	1982	96	57	.0	.3	29.9	.0	.2	.0
Oct	64.6	41.0	52.8	93	1953	1	60.1	1984	13	1962	27	46.0	1988	386	9	.0	.0	28.9	.0	6.0	.0
Nov	54.1	33.2	43.7	85+	1982	2	51.7	1985	0	1950	26	36.2	1976	641	0	.0	.0	18.8	1.0	15.3	.0
Dec	44.0	25.2	34.6	79	1982	5	43.1	1971	-15	1983	25	22.1	1989	941	0	.0	.0	10.3	5.7	23.7	.4
Ann	62.6	40.8	51.7	99	Jul 1954	15	74.6	Jul 1999	-20	Jan 1985	21	18.1	Jan 1977	5397	567	.0	3.9	270.9	24.0	120.4	3.0

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

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Climatography of the United States No. 20 1971-2000

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: OAK HILL, WV

COOP ID: 466591

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,991 Feet** **Lat: 37°58N** **Lon: 81°09W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.63	3.56	2.68	1998	28	6.81	1971	1.02	1983	16.6	9.2	2.1	.3	1.27	1.61	2.11	2.53	2.93	3.34	3.80	4.32	4.99	6.03	6.99
Feb	3.20	3.05	1.52	1962	27	6.26	1972	1.07	1978	13.4	8.2	1.9	.4	1.43	1.72	2.11	2.43	2.73	3.03	3.35	3.72	4.19	4.89	5.53
Mar	3.99	3.34	2.37	1967	7	9.55	1975	1.78	1988	14.6	9.6	2.7	.6	1.51	1.88	2.41	2.86	3.28	3.71	4.18	4.72	5.41	6.47	7.44
Apr	3.94	3.59	2.05	1977	5	8.11	1987	.62	1976	14.0	9.5	2.5	.6	1.28	1.65	2.20	2.67	3.13	3.59	4.11	4.71	5.48	6.68	7.79
May	4.51	4.70	2.03	1989	7	7.88	1989	1.53+	1999	14.3	9.7	3.1	.9	1.91	2.32	2.89	3.36	3.80	4.25	4.73	5.28	5.98	7.04	8.00
Jun	4.27	4.27	2.90	1949	17	8.23	1995	.87	1988	13.6	9.1	2.8	.8	1.49	1.89	2.48	2.97	3.44	3.93	4.46	5.08	5.87	7.10	8.22
Jul	5.29	5.00	3.67	2001	9	8.33	1971	1.58	1995	13.1	9.0	3.8	1.2	2.59	3.04	3.65	4.15	4.60	5.06	5.55	6.10	6.79	7.83	8.77
Aug	4.06	4.04	2.75	1979	19	7.25	1977	1.15	1995	11.6	7.5	3.0	.9	1.75	2.12	2.63	3.04	3.43	3.83	4.25	4.74	5.35	6.29	7.13
Sep	3.52	3.28	4.00	1950	2	7.22	1996	.90	1983	11.1	7.0	2.4	.7	1.04	1.37	1.87	2.31	2.73	3.17	3.66	4.23	4.97	6.13	7.20
Oct	3.05	2.89	3.90	1954	16	7.94	1976	.73	1991	10.9	6.7	2.0	.4	.83	1.12	1.56	1.95	2.32	2.72	3.16	3.68	4.35	5.41	6.40
Nov	3.28	3.12	2.10	1985	5	7.22	1985	.95	2000	12.9	8.3	2.0	.4	1.19	1.50	1.94	2.31	2.67	3.03	3.43	3.88	4.47	5.37	6.20
Dec	3.47	3.22	2.68	1991	3	6.96	1991	1.54	1980	15.0	8.8	2.1	.4	1.50	1.81	2.25	2.61	2.94	3.28	3.64	4.06	4.59	5.39	6.11
Ann	46.21	45.98	4.00	Sep 1950	2	9.55	Mar 1975	.62	Apr 1976	161.1	102.6	30.4	7.6	36.65	38.58	41.01	42.82	44.42	45.94	47.50	49.21	51.25	54.19	56.69

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Station: OAK HILL, WV **COOP ID: 466591**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,991 Feet** **Lat: 37°58N** **Lon: 81°09W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.1	12.3	2	2	18.0	1998	28	36.2	1977	18	1998	28	7	1977	8.0	5.7	2.0	.5	.1	12.9	7.9	4.4	.7
Feb	11.5	12.0	2	1	11.0	1985	13	20.0	1978	18	1998	7	7	1978	4.9	3.5	1.3	.5	.1	10.0	6.2	4.1	.3
Mar	7.5	5.0	1	#	19.0	1993	14	24.5	1993	24	1993	15	4	1993	2.6	2.0	.6	.3	.1	3.6	1.7	.7	.2
Apr	1.1	.0	#	#	7.0	1987	4	7.0	1987	9	1987	6	1	1987	.7	.5	.2	.1	.0	.6	.2	@	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.8	1979	10	1.8	1979	2	1979	10	#+	2000	@	@	.0	.0	.0	@	.0	.0	.0
Nov	2.3	.5	#	#	6.0	1995	15	17.0	1995	7	1995	16	2	1995	1.4	.9	.3	@	.0	1.8	.4	.1	.0
Dec	6.8	4.1	1	1	5.5	1974	3	19.9	1976	10	1997	31	4	1989	4.3	2.9	.6	.2	.0	5.9	1.8	.6	.0
Ann	43.4	33.9	N/A	N/A	19.0	Mar 1993	14	36.2	Jan 1977	24	Mar 1993	15	7+	Feb 1978	21.9	15.5	5.0	1.6	.3	34.8	18.2	9.9	1.2

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,991 Feet** **Lat: 37˚58N** **Lon: 81˚09W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/01	5/25	5/21	5/17	5/14	5/10	5/06	5/02	4/26
32	5/18	5/12	5/07	5/03	4/30	4/26	4/22	4/18	4/12
28	4/30	4/24	4/19	4/15	4/11	4/08	4/04	3/30	3/24
24	4/15	4/11	4/07	4/05	4/02	3/30	3/28	3/24	3/20
20	4/08	4/01	3/27	3/22	3/18	3/14	3/10	3/04	2/25
16	3/31	3/22	3/16	3/10	3/05	2/28	2/23	2/17	2/08

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/19	9/24	9/27	9/30	10/02	10/05	10/07	10/11	10/15
32	9/28	10/03	10/06	10/09	10/12	10/14	10/17	10/20	10/25
28	10/09	10/14	10/19	10/22	10/26	10/29	11/01	11/06	11/11
24	10/19	10/26	10/31	11/04	11/08	11/12	11/16	11/21	11/27
20	10/31	11/07	11/12	11/17	11/21	11/25	11/29	12/04	12/12
16	11/11	11/19	11/24	11/28	12/03	12/07	12/12	12/17	12/24

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	162	155	150	145	141	137	132	127	120
32	188	180	174	169	164	159	154	148	140
28	221	213	206	201	196	191	186	180	172
24	244	236	229	224	219	214	209	202	193
20	280	269	261	253	247	240	233	225	213
16	303	292	285	278	272	265	259	251	240

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,991 Feet** **Lat: 37˚58N** **Lon: 81˚09W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1067	875	716	413	203	40	5	14	96	386	641	941	5397
60	912	735	563	273	106	8	0	1	34	254	494	786	4166
57	819	651	475	199	64	3	0	0	15	187	411	693	3517
55	757	595	418	156	43	1	0	0	8	149	357	634	3118
50	613	462	285	73	12	0	0	0	1	75	235	491	2247
32	191	96	26	0	0	0	0	0	0	0	16	114	443

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	147	144	333	579	854	1055	1210	1177	951	646	365	196	7657
55	0	0	12	45	184	365	497	464	269	82	15	3	1936
57	0	0	7	28	143	307	435	402	216	58	10	0	1606
60	0	0	2	12	92	223	342	310	145	31	3	0	1160
65	0	0	0	2	34	105	192	168	57	9	0	0	567
70	0	0	0	0	9	31	74	66	13	1	0	0	194

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	40	67	173	368	618	824	969	937	724	411	193	70	40	107	280	648	1266	2090	3059	3996	4720	5131	5324	5394
45	18	28	100	247	465	674	814	782	574	277	113	32	18	46	146	393	858	1532	2346	3128	3702	3979	4092	4124
50	3	8	51	152	317	525	659	627	424	160	55	8	3	11	62	214	531	1056	1715	2342	2766	2926	2981	2989
55	0	0	20	80	195	376	504	472	285	79	20	0	0	0	20	100	295	671	1175	1647	1932	2011	2031	2031
60	0	0	4	34	96	236	349	321	164	31	2	0	0	0	4	38	134	370	719	1040	1204	1235	1237	1237
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	27	49	118	233	379	536	652	621	454	253	115	41	27	76	194	427	806	1342	1994	2615	3069	3322	3437	3478

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: PARKERSBURG AP, WV **COOP ID: 466849**

Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 831 Feet** **Lat: 39˚21N** **Lon: 81˚26W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.1	23.0	31.1	76	1950	25	40.3	1990	-24	1994	19	17.4	1977	1052	0	.0	.0	6.7	9.6	24.6	1.3
Feb	43.4	25.4	34.4	74	1976	29	42.9	1976	-10+	1951	3	21.2	1978	856	0	.0	.0	9.1	6.5	21.0	.6
Mar	54.2	33.7	44.0	86	1950	27	51.8	1976	-5	1980	3	37.5	1978	654	0	.0	.0	19.0	1.2	15.6	.1
Apr	64.8	42.1	53.5	94	1976	18	59.2	1985	17	1972	9	48.1	1997	352	6	.0	.1	26.9	.0	5.2	.0
May	73.9	51.6	62.8	94+	1949	4	70.3	1991	24	1966	10	56.8	1997	157	86	.0	.5	30.9	.0	.4	.0
Jun	81.4	60.1	70.8	100	1988	25	74.9	1984	36	1966	2	67.0	1980	15	189	@	2.8	30.0	.0	.0	.0
Jul	84.5	64.7	74.6	102+	1988	8	78.2	1999	44	1988	1	71.1	1996	0	298	.2	6.2	31.0	.0	.0	.0
Aug	83.0	63.5	73.3	101	1988	17	78.4	1995	40	1986	29	69.3	1992	6	263	@	3.9	31.0	.0	.0	.0
Sep	76.6	56.3	66.5	102	1953	3	72.1	1978	32+	1956	21	62.0	1975	58	102	.0	.9	30.0	.0	@	.0
Oct	66.0	44.8	55.4	90	1951	3	63.6	1984	21	1952	21	48.3	1988	321	22	.0	.0	29.6	.0	3.1	.0
Nov	54.4	36.3	45.4	84	1961	3	51.0	1985	1	1958	30	37.4	1976	591	0	.0	.0	18.9	.3	12.5	.0
Dec	43.8	27.9	35.9	79	1971	10	44.6	1982	-16	1989	23	21.3	1989	904	0	.0	.0	9.7	5.2	21.0	.4
Ann	63.8	44.1	54.0	102+	Jul 1988	8	78.4	Aug 1995	-24	Jan 1994	19	17.4	Jan 1977	4966	966	.2	14.4	272.8	22.8	103.4	2.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 831 Feet** **Lat: 39°21N** **Lon: 81°26W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.05	2.81	2.00	1974	10	7.41	1994	.68	1981	15.5	7.7	1.9	.4	.94	1.23	1.66	2.03	2.39	2.77	3.18	3.66	4.28	5.25	6.14
Feb	2.77	2.54	2.23	1966	13	5.34	1989	.75	1978	12.5	7.0	1.5	.5	1.02	1.28	1.66	1.97	2.26	2.57	2.89	3.28	3.76	4.51	5.20
Mar	3.79	3.46	3.83	1963	4	8.33	1997	1.52	1971	13.9	8.4	2.6	.6	1.55	1.90	2.39	2.79	3.17	3.56	3.97	4.45	5.06	5.99	6.83
Apr	3.29	2.99	2.02	1994	10	7.61	1983	.83	1982	13.1	7.7	2.0	.6	1.05	1.36	1.82	2.21	2.59	2.99	3.42	3.93	4.58	5.60	6.54
May	4.18	4.00	2.53	1990	26	8.40	1990	1.70	1988	12.5	8.7	2.8	.8	1.63	2.02	2.57	3.03	3.46	3.90	4.38	4.93	5.63	6.71	7.69
Jun	3.96	4.13	3.20	1972	20	8.18	1998	.45	1984	11.0	7.1	2.5	.8	1.11	1.49	2.06	2.55	3.04	3.55	4.11	4.77	5.63	6.98	8.24
Jul	4.20	3.71	2.60	1985	15	7.83	1976	1.28	1987	11.0	7.7	2.9	1.4	1.53	1.93	2.50	2.97	3.42	3.89	4.39	4.98	5.73	6.88	7.93
Aug	4.38	4.08	3.71	1989	5	8.32	1972	1.02	1981	10.1	6.8	3.1	1.2	1.72	2.13	2.70	3.18	3.63	4.09	4.58	5.15	5.88	6.99	8.01
Sep	3.15	3.00	2.73	1951	13	6.56	1989	.60	1985	9.7	5.8	2.3	.7	.99	1.29	1.74	2.12	2.48	2.86	3.28	3.77	4.40	5.38	6.29
Oct	2.82	2.60	3.06	1954	15	7.33	1983	.62	1992	9.5	5.8	1.9	.7	.72	.99	1.40	1.76	2.12	2.49	2.91	3.41	4.06	5.08	6.04
Nov	3.25	2.84	2.76	1962	9	7.89	1985	.46	1976	12.3	7.4	2.1	.3	1.06	1.37	1.82	2.21	2.58	2.96	3.39	3.88	4.51	5.50	6.41
Dec	3.21	2.62	2.92	1948	15	8.10	1990	1.57	1979	14.2	7.6	2.0	.6	1.20	1.50	1.93	2.29	2.63	2.98	3.36	3.80	4.36	5.22	6.01
Ann	42.05	41.11	3.83	Mar 1963	4	8.40	May 1990	.45	Jun 1984	145.3	87.7	27.6	8.6	30.86	33.06	35.85	37.96	39.83	41.63	43.48	45.53	48.00	51.57	54.65

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Station: PARKERSBURG AP, WV **COOP ID: 466849**

Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 831 Feet** **Lat: 39°21N** **Lon: 81°26W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.1	6.4	1	1	18.0	1994	17	39.1	1994	21+	1978	21	7	1978	8.0	3.4	.8	.2	.1	11.1	5.9	3.5	.9
Feb	5.6	4.4	1	1	7.2	1983	11	19.4	1979	14	1979	19	6	1979	5.2	1.7	.6	.1	.0	7.9	4.6	2.4	.4
Mar	3.8	2.9	#	1	20.1	1993	13	21.6	1993	20	1993	14	2	1978	2.9	1.2	.3	.1	@	2.3	1.1	.4	.1
Apr	.8	.0	#	0	9.6	1987	4	13.3	1987	11	1987	5	1	1987	.6	.2	.1	@	.0	.1	.1	.1	@
May	#	.0	#	0	#	1989	7	#+	1989	0	0	0	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.5	1993	31	.5	1993	#	1993	31	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.2	.5	#	0	5.3	1971	24	5.3	1971	3	1995	15	#	1996	1.6	.4	.1	@	.0	.3	@	.0	.0
Dec	3.0	1.8	#	0	6.0	1974	1	12.9	1981	5+	1989	28	2	1989	3.8	1.0	.2	@	.0	3.3	1.0	.2	.0
Ann	24.5	16.0	N/A	N/A	20.1	Mar 1993	13	39.1	Jan 1994	21+	Jan 1978	21	7	Jan 1978	22.1	7.9	2.1	.4	.1	25.0	12.7	6.6	1.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 831 Feet** **Lat: 39˚21N** **Lon: 81˚26W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/20	5/15	5/11	5/08	5/06	5/03	4/30	4/26	4/22
32	5/07	5/02	4/29	4/26	4/24	4/21	4/18	4/15	4/10
28	4/20	4/16	4/13	4/10	4/08	4/06	4/03	3/31	3/27
24	4/10	4/05	4/02	3/30	3/27	3/25	3/22	3/18	3/14
20	4/02	3/26	3/21	3/17	3/13	3/09	3/05	2/28	2/21
16	3/21	3/14	3/10	3/06	3/02	2/27	2/23	2/18	2/12

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/27	10/01	10/04	10/07	10/10	10/12	10/15	10/18	10/22
32	10/01	10/07	10/11	10/15	10/19	10/22	10/26	10/31	11/06
28	10/17	10/23	10/27	10/31	11/04	11/07	11/11	11/15	11/22
24	10/27	11/02	11/06	11/09	11/13	11/16	11/19	11/23	11/29
20	11/07	11/14	11/18	11/23	11/26	11/30	12/04	12/09	12/16
16	11/19	11/26	11/30	12/04	12/08	12/12	12/16	12/21	12/27

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	173	167	163	159	156	153	149	145	139
32	201	193	187	182	178	173	168	162	154
28	232	224	218	214	209	204	200	194	186
24	252	244	239	234	229	225	220	215	207
20	283	274	268	263	258	253	247	241	232
16	304	296	290	285	280	275	270	264	256

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 831 Feet** **Lat: 39˚21N** **Lon: 81˚26W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1052	856	654	352	157	15	0	6	58	321	591	904	4966
60	897	716	505	221	81	3	0	0	17	204	444	749	3837
57	804	634	419	156	49	1	0	0	7	147	362	665	3244
55	743	581	364	119	33	0	0	0	4	115	309	607	2875
50	600	452	243	50	11	0	0	0	0	55	194	467	2072
32	186	112	22	0	0	0	0	0	0	0	9	119	448

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	158	180	391	644	952	1163	1321	1279	1034	724	408	237	8491
55	2	5	20	72	272	473	608	566	347	127	19	13	2524
57	0	2	13	50	225	414	546	504	291	97	12	9	2163
60	0	0	6	25	165	326	453	411	211	60	4	0	1661
65	0	0	0	6	86	189	298	263	102	22	0	0	966
70	0	0	0	1	35	82	157	135	33	6	0	0	449

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	44	75	206	415	710	928	1084	1040	801	487	220	82	44	119	325	740	1450	2378	3462	4502	5303	5790	6010	6092
45	19	34	121	284	555	778	929	885	651	337	132	42	19	53	174	458	1013	1791	2720	3605	4256	4593	4725	4767
50	4	20	67	176	404	628	774	730	501	211	69	19	4	24	91	267	671	1299	2073	2803	3304	3515	3584	3603
55	1	2	32	100	267	478	619	575	355	114	33	4	1	3	35	135	402	880	1499	2074	2429	2543	2576	2580
60	0	0	12	49	151	332	464	420	225	51	10	0	0	0	12	61	212	544	1008	1428	1653	1704	1714	1714
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	42	129	258	440	623	747	712	513	286	123	41	29	71	200	458	898	1521	2268	2980	3493	3779	3902	3943

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: PARKERSBURG, WV **COOP ID: 466859**

Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 620 Feet** **Lat: 39˚17N** **Lon: 81˚33W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	39.0	22.3	30.7	78	1950	25	40.1	1990	-26	1994	20	16.4	1977	1064	0	.0	.0	6.6	9.5	25.4	1.2
Feb	43.4	24.1	33.8	78+	1999	12	42.0	1976	-8	1936	19	20.7	1978	875	0	.0	.0	9.4	6.5	21.5	.3
Mar	54.0	31.6	42.8	89	1929	25	51.4	1973	-3	1943	4	36.3	1984	690	0	.0	.0	19.0	1.4	17.1	.0
Apr	64.8	40.4	52.6	94	1986	28	58.6	1985	17	1985	10	48.2	1982	375	4	.0	.3	26.4	.0	5.8	.0
May	74.4	51.5	63.0	96	1988	31	71.8	1991	29+	1947	10	57.5	1997	155	92	.0	.9	30.9	.0	.2	.0
Jun	82.2	60.3	71.3	102	1988	26	75.6	1984	36	1972	11	65.7	1972	21	208	.1	4.0	30.0	.0	.0	.0
Jul	85.8	64.9	75.4	105	1988	18	80.0	1999	45+	1984	8	71.8	1976	3	325	.3	8.6	31.0	.0	.0	.0
Aug	84.6	63.0	73.8	103	1988	18	79.1	1995	42+	1965	29	69.4	1992	8	280	.2	6.7	31.0	.0	.0	.0
Sep	77.9	55.8	66.9	102	1953	3	70.9	1998	32	1942	29	62.1	1975	52	107	.0	1.9	30.0	.0	.0	.0
Oct	66.5	43.4	55.0	91	1927	1	62.4	1971	20	2000	31	47.9	1988	333	22	.0	@	29.5	.0	3.6	.0
Nov	54.5	35.0	44.8	86	1961	3	52.6	1985	4	1929	30	37.1	1976	607	0	.0	.0	18.8	.5	13.5	.0
Dec	43.9	27.5	35.7	78	1982	4	43.9	1984	-10+	1983	25	23.3	1989	908	0	.0	.0	10.1	5.3	22.0	.4
Ann	64.3	43.3	53.8	105	Jul 1988	18	80.0	Jul 1999	-26	Jan 1994	20	16.4	Jan 1977	5091	1038	.6	22.4	272.7	23.2	109.1	1.9

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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Station: PARKERSBURG, WV

COOP ID: 466859

Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 620 Feet** **Lat: 39°17N** **Lon: 81°33W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.77	2.52	1.70	1951	14	5.79	1999	.17	1981	13.0	6.8	1.9	.3	.78	1.04	1.44	1.79	2.12	2.48	2.87	3.33	3.93	4.87	5.75
Feb	2.71	2.71	2.91	2000	19	7.26	1989	.47	1978	10.6	6.3	1.4	.5	.67	.92	1.32	1.67	2.02	2.38	2.79	3.27	3.91	4.91	5.85
Mar	3.59	3.18	3.64	1997	2	9.42	1997	1.31	1971	12.4	7.8	2.6	.6	1.37	1.70	2.18	2.58	2.96	3.34	3.76	4.24	4.86	5.81	6.68
Apr	3.21	2.59	2.85	1948	12	6.63	1983	.96	1976	12.4	8.0	2.0	.5	1.11	1.41	1.85	2.22	2.58	2.95	3.35	3.81	4.41	5.34	6.19
May	4.15	3.78	2.49	1968	24	9.06	1996	1.36	1977	12.0	8.5	2.9	.8	1.45	1.84	2.41	2.89	3.35	3.82	4.33	4.93	5.69	6.88	7.96
Jun	3.92	3.65	4.16	1998	28	13.20	1998	.16	1984	10.9	7.3	2.4	.9	.81	1.17	1.75	2.27	2.80	3.37	4.00	4.77	5.78	7.40	8.94
Jul	4.58	4.31	4.20	1985	15	8.46	1992	1.06	1995	11.0	7.7	2.9	1.3	1.53	1.96	2.60	3.14	3.66	4.19	4.78	5.46	6.34	7.71	8.97
Aug	4.01	3.90	3.52	1935	1	8.06	1989	.65	1983	10.2	7.0	3.0	1.2	1.11	1.49	2.07	2.57	3.07	3.58	4.15	4.82	5.70	7.07	8.35
Sep	3.13	3.03	2.96	1945	23	6.94	1989	.59	1985	9.3	5.8	2.0	.8	1.10	1.39	1.82	2.18	2.52	2.88	3.26	3.71	4.29	5.18	6.00
Oct	2.58	2.11	3.40	1954	15	6.34	1983	.63	1992	9.3	5.7	1.9	.6	.67	.91	1.29	1.62	1.94	2.28	2.66	3.11	3.70	4.63	5.50
Nov	3.00	2.62	2.03	1988	20	7.39	1985	.34	1976	11.5	7.1	1.9	.3	.89	1.18	1.60	1.97	2.33	2.70	3.11	3.60	4.22	5.20	6.11
Dec	3.04	2.60	2.75	1991	3	8.21	1990	1.19	1989	12.5	7.2	1.7	.5	1.00	1.29	1.71	2.07	2.42	2.77	3.17	3.62	4.21	5.12	5.97
Ann	40.69	40.91	4.20	Jul 1985	15	13.20	Jun 1998	.16	Jun 1984	135.1	85.2	26.6	8.3	29.04	31.29	34.18	36.37	38.31	40.19	42.13	44.28	46.88	50.64	53.90

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.0	3.2	1	#	12.0	1994	4	29.0	1978	23	1994	23	14	1994	4.1	1.9	.4	.2	@	4.4	2.3	.7	.0
Feb	5.2	2.6	1	#	6.0	1979	18	23.3	1979	14	1979	19	6	1979	2.8	1.3	.3	.2	.0	3.5	1.1	.4	.0
Mar	1.6	.8	#	#	4.8	1982	7	5.5	1971	17	1993	14	2	1984	1.3	.5	.1	.0	.0	.6	.1	.0	.0
Apr	.3	.0	#	0	4.3	1973	12	5.1	1973	2	1973	12	#+	1977	.3	.1	@	.0	.0	@	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1980	26	#+	1980	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.9	.0	#	0	5.3	1977	27	5.6	1977	4	1971	25	1	1971	.8	.2	.1	.1	.0	.3	.0	.0	.0
Dec	2.1	1.0	#	#	3.6	1981	22	12.0	1981	4	1984	7	#+	2000	2.0	.8	.1	.0	.0	.9	.0	.0	.0
Ann	16.1	7.6	N/A	N/A	12.0	Jan 1994	4	29.0	Jan 1978	23	Jan 1994	23	14	Jan 1994	11.3	4.8	1.0	.5	@	9.7	3.5	1.1	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Climatography of the United States No. 20 1971-2000

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Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PARKERSBURG, WV **COOP ID: 466859**

Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 620 Feet** **Lat: 39˚17N** **Lon: 81˚33W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/21	5/15	5/11	5/07	5/04	4/30	4/27	4/22	4/17
32	5/07	5/01	4/27	4/24	4/21	4/18	4/15	4/11	4/06
28	4/19	4/15	4/12	4/09	4/06	4/04	4/01	3/29	3/24
24	4/11	4/05	4/01	3/28	3/24	3/21	3/17	3/12	3/06
20	3/29	3/23	3/18	3/14	3/11	3/07	3/03	2/26	2/20
16	3/18	3/11	3/07	3/03	2/27	2/23	2/19	2/15	2/08

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/26	9/30	10/04	10/06	10/09	10/11	10/14	10/17	10/22
32	10/09	10/13	10/17	10/20	10/22	10/25	10/28	10/31	11/05
28	10/19	10/25	10/29	11/01	11/04	11/08	11/11	11/15	11/20
24	10/30	11/05	11/09	11/13	11/16	11/20	11/23	11/28	12/04
20	11/08	11/15	11/20	11/25	11/29	12/04	12/08	12/14	12/21
16	11/16	11/26	12/04	12/10	12/16	12/22	12/28	1/04	1/15

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	181	173	167	162	158	153	148	142	135
32	203	196	191	187	183	179	175	170	163
28	234	226	220	216	211	207	202	197	189
24	259	251	246	241	236	232	227	222	214
20	287	279	273	268	263	258	253	247	239
16	314	305	298	293	288	283	278	272	264

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: PARKERSBURG, WV **COOP ID: 466859**

Climate Division: WV 1 **NWS Call Sign: PKB** **Elevation: 620 Feet** **Lat: 39˚17N** **Lon: 81˚33W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1064	875	690	375	155	21	3	8	52	333	607	908	5091
60	909	735	540	241	80	5	0	0	15	215	460	753	3953
57	816	652	453	171	48	2	0	0	6	157	377	665	3347
55	756	598	397	132	32	1	0	0	3	124	323	608	2974
50	614	469	271	58	10	0	0	0	0	62	204	465	2153
32	200	120	29	0	0	0	0	0	0	0	9	110	468

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	159	169	362	619	960	1177	1345	1296	1045	712	392	225	8461
55	2	3	18	61	279	488	632	583	358	123	16	10	2573
57	0	0	12	40	233	429	570	521	301	94	10	5	2215
60	0	0	5	20	172	342	477	428	220	59	3	0	1726
65	0	0	0	4	92	208	325	280	107	22	0	0	1038
70	0	0	0	0	39	104	186	152	36	6	0	0	523

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	40	70	196	405	716	933	1097	1053	811	475	211	78	40	110	306	711	1427	2360	3457	4510	5321	5796	6007	6085
45	17	37	117	279	562	783	942	898	661	329	124	37	17	54	171	450	1012	1795	2737	3635	4296	4625	4749	4786
50	4	15	64	173	409	633	787	743	512	206	65	13	4	19	83	256	665	1298	2085	2828	3340	3546	3611	3624
55	0	1	33	96	272	484	632	588	366	108	28	5	0	1	34	130	402	886	1518	2106	2472	2580	2608	2613
60	0	0	10	47	158	339	477	433	234	49	8	0	0	0	10	57	215	554	1031	1464	1698	1747	1755	1755
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	31	48	131	255	447	620	749	715	520	285	126	44	31	79	210	465	912	1532	2281	2996	3516	3801	3927	3971

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: PARSONS 1 NE, WV **COOP ID: 466867**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,826 Feet** **Lat: 39˚06N** **Lon: 79˚40W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.2	17.3	27.8	78	1950	25	38.5	1974	-20	1985	21	14.5	1977	1155	0	.0	.0	6.1	10.3	27.3	3.1
Feb	41.7	18.6	30.2	76	2000	27	37.5	1990	-17	1963	27	16.9	1978	977	0	.0	.0	7.9	7.4	24.1	2.1
Mar	51.1	26.2	38.7	85	1998	31	46.8	1973	-7	1980	3	32.4	1999	816	0	.0	.0	16.7	2.8	21.8	.3
Apr	61.7	34.2	48.0	89+	1957	28	52.7	1981	11	1985	10	42.5	1975	512	0	.0	.0	24.6	.2	11.9	.0
May	71.2	44.9	58.1	91+	1949	6	65.3	1991	23	1970	7	53.1	1994	242	27	.0	.1	30.4	.0	1.6	.0
Jun	78.4	53.9	66.2	93+	1949	24	69.5	1994	30+	1972	11	61.2	1972	55	90	.0	.5	30.0	.0	.1	.0
Jul	81.8	59.1	70.5	101	1988	17	73.4	1999	36	1988	1	66.9	1976	7	175	@	1.6	31.0	.0	.0	.0
Aug	80.5	57.4	69.0	97	1955	3	73.6	1995	38	1982	29	65.3	1976	19	143	.0	1.5	31.0	.0	.0	.0
Sep	74.3	50.2	62.3	93	1964	9	65.8	1980	30	1967	25	58.5	1976	112	30	.0	.3	30.0	.0	.2	.0
Oct	63.8	36.9	50.4	89	1951	3	57.5	1984	12	1962	27	44.2	1988	459	4	.0	.0	28.0	.0	9.3	.0
Nov	52.3	28.7	40.5	80	1961	3	48.0	1985	-1	1956	24	31.4	1976	736	0	.0	.0	17.5	1.8	19.4	.0
Dec	42.3	21.7	32.0	75	1966	10	40.2	1984	-17	1989	22	19.1	1989	1023	0	.0	.0	8.5	6.8	25.5	1.0
Ann	61.4	37.4	49.5	101	Jul 1988	17	73.6	Aug 1995	-20	Jan 1985	21	14.5	Jan 1977	6113	469	@	4.0	261.7	29.3	141.2	6.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(1) From the 1971-2000 Monthly Normals

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Issue Date: February 2004

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Station: PARSONS 1 NE, WV

COOP ID: 466867

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,826 Feet** **Lat: 39°06N** **Lon: 79°40W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.82	4.03	1.72	1996	19	6.40	1979	1.16	1981	18.0	9.5	2.2	.5	1.39	1.75	2.27	2.70	3.11	3.54	4.00	4.53	5.21	6.26	7.22
Feb	3.48	3.38	3.69	1994	9	7.71	1994	.92	1978	14.9	8.6	1.8	.4	1.32	1.64	2.10	2.49	2.86	3.23	3.64	4.11	4.71	5.64	6.48
Mar	4.12	4.07	2.58	1967	6	7.43	1997	1.68	1987	15.2	9.6	2.8	.5	1.87	2.24	2.74	3.15	3.53	3.91	4.32	4.79	5.38	6.27	7.07
Apr	4.26	3.98	1.94	1983	24	7.90	1973	1.31	1971	14.9	10.0	2.8	.6	1.86	2.24	2.77	3.21	3.61	4.02	4.46	4.97	5.61	6.58	7.45
May	5.26	5.33	3.44	1968	24	10.87	1996	2.03	1977	14.7	10.1	3.7	1.3	2.29	2.76	3.42	3.96	4.46	4.97	5.52	6.14	6.93	8.13	9.22
Jun	5.30	5.04	3.03	1956	1	11.65	1998	1.63	1999	13.7	9.7	4.0	1.1	1.97	2.47	3.18	3.77	4.34	4.91	5.54	6.27	7.20	8.63	9.93
Jul	5.46	4.79	2.75	1958	21	11.53	1996	1.30	1987	14.4	10.2	3.9	1.5	2.12	2.63	3.35	3.95	4.51	5.09	5.71	6.44	7.35	8.76	10.04
Aug	4.92	4.63	4.10	1982	9	8.53	1975	2.11	1981	12.6	8.5	3.5	1.1	2.31	2.74	3.33	3.80	4.24	4.68	5.16	5.70	6.37	7.39	8.31
Sep	4.15	4.13	2.95	1996	7	7.07	1993	.60	1985	12.6	7.5	2.9	.9	1.52	1.91	2.47	2.94	3.39	3.84	4.34	4.91	5.65	6.78	7.82
Oct	3.44	2.98	3.23	1959	24	8.19	1976	.74	1994	12.1	7.2	2.2	.6	1.03	1.36	1.85	2.27	2.68	3.11	3.58	4.13	4.84	5.96	6.99
Nov	3.81	3.83	5.20	1985	5	11.87	1985	1.34	1998	14.0	8.4	2.5	.6	1.38	1.74	2.25	2.69	3.10	3.52	3.98	4.52	5.20	6.26	7.23
Dec	3.86	3.34	2.70	1972	9	8.13	1972	2.10	1989	17.4	9.5	2.3	.4	1.67	2.01	2.50	2.90	3.27	3.65	4.05	4.52	5.10	5.99	6.80
Ann	51.88	50.82	5.20	Nov 1985	5	11.87	Nov 1985	.60	Sep 1985	174.5	108.8	34.6	9.5	39.36	41.84	44.99	47.36	49.45	51.46	53.52	55.78	58.51	62.44	65.81

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
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Station: PARSONS 1 NE, WV **COOP ID: 466867**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,826 Feet** **Lat: 39°06N** **Lon: 79°40W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	16.2	15.6	3	2	19.0	1996	8	39.2	1996	24	1996	9	11	1977	7.1	5.4	2.2	.8	.1	14.5	8.6	5.8	1.8
Feb	12.2	11.6	3	1	13.0	1983	12	30.5	1983	22	1983	12	13	1978	5.8	4.3	1.6	.5	@	11.5	7.3	3.9	.7
Mar	9.6	8.0	1	1	10.5	1999	10	40.2	1999	16	1993	14	6	1978	4.1	2.9	1.2	.6	.1	6.0	3.0	1.5	.3
Apr	1.9	.6	#	#	6.5	1987	4	10.0	1973	8	1987	5	1	1987	1.1	.8	.2	.1	.0	1.2	.3	.2	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.0	1979	10	2.0	1979	2	1979	10	#+	1993	.1	@	.0	.0	.0	.1	.0	.0	.0
Nov	3.9	2.1	#	#	10.0	1995	15	26.0	1995	15	1995	17	3	1995	2.1	1.5	.3	.1	@	3.0	1.1	.4	.1
Dec	8.4	6.3	1	1	7.0	1992	3	21.6	1992	10+	1997	31	4	1992	5.2	3.7	.9	.2	.0	8.6	3.8	1.8	.1
Ann	52.3	44.2	N/A	N/A	19.0	Jan 1996	8	40.2	Mar 1999	24	Jan 1996	9	13	Feb 1978	25.5	18.6	6.4	2.3	.2	44.9	24.1	13.6	3.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,826 Feet** **Lat: 39˚06N** **Lon: 79˚40W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/06	5/30	5/26	5/22	5/18	5/15	5/11	5/06	4/30
32	5/23	5/18	5/14	5/11	5/08	5/05	5/02	4/28	4/23
28	5/10	5/05	5/02	4/29	4/26	4/23	4/20	4/17	4/12
24	4/23	4/18	4/16	4/13	4/11	4/08	4/06	4/03	3/30
20	4/13	4/08	4/04	4/01	3/29	3/26	3/23	3/19	3/14
16	4/05	3/30	3/25	3/21	3/18	3/14	3/10	3/06	2/28

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/21	9/24	9/27	9/29	10/01	10/03	10/05	10/08	10/12
32	9/29	10/03	10/06	10/08	10/11	10/13	10/16	10/19	10/23
28	10/05	10/11	10/14	10/18	10/21	10/24	10/27	10/31	11/06
24	10/17	10/22	10/26	10/30	11/02	11/05	11/08	11/12	11/18
20	10/26	11/01	11/05	11/09	11/13	11/16	11/20	11/24	11/30
16	11/10	11/16	11/21	11/24	11/28	12/01	12/05	12/10	12/16

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	155	148	143	139	135	131	127	122	116
32	173	167	162	159	155	152	148	143	137
28	193	188	184	180	177	174	171	167	161
24	222	216	212	208	204	201	197	193	186
20	254	245	239	233	228	223	217	210	201
16	280	271	265	259	254	249	244	237	229

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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www.ncdc.noaa.gov

Station: PARSONS 1 NE, WV **COOP ID: 466867**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,826 Feet** **Lat: 39˚06N** **Lon: 79˚40W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1155	977	816	512	242	55	7	19	112	459	736	1023	6113
60	1000	837	661	364	135	14	0	2	38	319	586	868	4824
57	907	753	568	279	87	5	0	0	17	244	498	775	4133
55	845	697	510	227	61	2	0	0	9	201	441	713	3706
50	700	564	367	117	20	0	0	0	1	112	307	568	2756
32	251	168	48	0	0	0	0	0	0	2	28	156	653

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	119	115	255	479	808	1025	1191	1147	909	570	282	156	7056
55	0	0	4	16	156	337	478	434	227	55	5	0	1712
57	0	0	0	8	119	280	416	372	175	37	3	0	1410
60	0	0	0	2	75	199	323	280	107	19	0	0	1005
65	0	0	0	0	27	90	175	143	30	4	0	0	469
70	0	0	0	0	7	24	64	51	3	0	0	0	149

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	31	45	133	300	577	804	954	919	696	364	147	52	31	76	209	509	1086	1890	2844	3763	4459	4823	4970	5022
45	9	17	74	189	427	654	799	764	547	232	77	25	9	26	100	289	716	1370	2169	2933	3480	3712	3789	3814
50	1	2	32	103	288	505	644	609	399	132	36	8	1	3	35	138	426	931	1575	2184	2583	2715	2751	2759
55	0	0	10	55	172	355	489	455	260	59	11	0	0	0	10	65	237	592	1081	1536	1796	1855	1866	1866
60	0	0	1	18	83	220	336	301	144	16	0	0	0	0	1	19	102	322	658	959	1103	1119	1119	1119
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	25	38	102	209	360	517	638	607	433	240	102	38	25	63	165	374	734	1251	1889	2496	2929	3169	3271	3309

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PINEVILLE, WV **COOP ID: 467029**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,280 Feet** **Lat: 37˚34N** **Lon: 81˚32W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	41.5	22.7	32.1	79	1950	26	44.3	1974	-17	1985	21	20.1	1977	1019	0	.0	.0	7.8	6.4	25.8	1.4
Feb	46.3	24.5	35.4	78	1977	27	43.0	1990	-16+	1996	5	24.5	1978	830	0	.0	.0	11.6	4.4	22.7	.6
Mar	56.2	31.5	43.9	87	1954	26	51.1	1973	-6	1980	3	37.9	1996	657	0	.0	.0	21.3	1.1	18.7	.2
Apr	66.9	39.3	53.1	92+	1976	18	57.5	1981	14	1964	1	48.2	1987	361	3	.0	.2	27.1	.1	8.8	.0
May	75.3	49.1	62.2	94	1950	6	68.3	1991	27+	1966	10	56.1	1997	152	65	.0	.2	30.8	.0	1.3	.0
Jun	82.0	58.2	70.1	99	1952	29	73.5	1981	31	1966	2	65.5	1972	15	169	.0	2.3	30.0	.0	.0	.0
Jul	85.3	62.8	74.1	101+	1954	3	77.2	1993	42+	1988	1	71.2	1996	0	281	.0	6.4	31.0	.0	.0	.0
Aug	84.2	61.5	72.9	101	1955	5	76.9	1995	43+	1965	30	70.2	1976	2	244	@	4.5	31.0	.0	.0	.0
Sep	78.1	54.7	66.4	102+	1953	2	70.0	1980	32	1963	25	63.1	1984	51	94	.0	.8	30.0	.0	.0	.0
Oct	67.4	41.5	54.5	96	1953	1	62.6	1971	15+	1962	27	47.5	1988	346	20	.0	.0	29.7	.0	5.3	.0
Nov	56.2	33.0	44.6	84+	1950	2	53.1	1985	4	1950	25	36.8	1976	612	0	.0	.0	20.5	.3	16.0	.0
Dec	45.5	26.1	35.8	80	1982	5	45.1	1971	-13+	1989	23	24.0	1989	906	0	.0	.0	11.6	4.2	23.5	.3
Ann	65.4	42.1	53.8	102+	Sep 1953	2	77.2	Jul 1993	-17	Jan 1985	21	20.1	Jan 1977	4951	876	@	14.4	282.4	16.5	122.1	2.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1941-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: PINEVILLE, WV

COOP ID: 467029

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,280 Feet** **Lat: 37˚34N** **Lon: 81˚32W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.88	3.95	2.75	1998	28	7.81	1979	1.15	1981	15.9	8.4	2.4	.6	1.26	1.63	2.17	2.64	3.08	3.54	4.05	4.64	5.40	6.58	7.67
Feb	3.25	3.22	1.93	1955	27	7.30	1972	.91	1978	13.6	7.6	2.0	.4	1.35	1.64	2.06	2.40	2.72	3.05	3.40	3.81	4.32	5.10	5.81
Mar	3.94	3.31	3.52	1963	12	9.64	1975	1.45	1986	14.2	9.0	2.7	.5	1.36	1.74	2.28	2.73	3.17	3.62	4.11	4.69	5.42	6.56	7.60
Apr	3.90	3.64	2.74	1977	5	8.40	1987	.63	1976	13.9	8.3	2.4	.7	1.34	1.71	2.25	2.70	3.14	3.59	4.07	4.65	5.38	6.51	7.55
May	4.98	5.09	3.62	1996	16	9.07	1996	2.14	1999	14.2	9.4	3.5	1.1	2.33	2.76	3.36	3.84	4.29	4.74	5.23	5.78	6.47	7.51	8.45
Jun	4.02	3.62	3.10	1953	7	8.80	1979	1.44	1988	12.2	8.6	2.8	.8	1.64	2.01	2.53	2.96	3.36	3.77	4.22	4.73	5.37	6.36	7.26
Jul	5.07	4.91	4.75	2001	9	11.08	1980	1.61	1993	12.9	9.1	3.7	1.4	2.42	2.86	3.46	3.94	4.39	4.84	5.32	5.86	6.54	7.57	8.50
Aug	3.88	3.72	3.82	1949	16	7.74	1977	1.68	1998	10.7	7.3	2.8	1.0	1.94	2.27	2.71	3.07	3.39	3.72	4.07	4.46	4.95	5.69	6.35
Sep	3.44	3.42	2.81	1964	30	6.11	1988	.69	1985	9.8	6.5	2.6	.8	1.21	1.54	2.01	2.40	2.78	3.17	3.59	4.08	4.71	5.68	6.57
Oct	3.07	2.90	2.34	1989	17	7.57	1976	.12	2000	9.6	5.6	2.1	.5	.58	.85	1.30	1.72	2.14	2.60	3.12	3.74	4.58	5.92	7.19
Nov	3.23	3.26	2.60	1999	26	6.77	1985	1.18	1976	12.0	7.1	2.1	.6	1.11	1.42	1.86	2.24	2.60	2.97	3.37	3.84	4.45	5.38	6.24
Dec	3.46	2.89	2.05	1993	5	7.39	1991	1.42	1980	14.0	7.8	2.2	.5	1.26	1.59	2.06	2.45	2.82	3.21	3.62	4.10	4.72	5.67	6.54
Ann	46.12	44.78	4.75	Jul 2001	9	11.08	Jul 1980	.12	Oct 2000	153.0	94.7	31.3	8.9	36.55	38.48	40.92	42.73	44.33	45.85	47.42	49.12	51.18	54.11	56.62

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1941-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: PINEVILLE, WV **COOP ID: 467029**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,280 Feet** **Lat: 37°34N** **Lon: 81°32W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.0	5.1	1	1	11.9	1996	7	26.4	1996	18	1996	12	6	1996	4.2	3.4	.8	.4	@	8.4	4.1	2.1	.5
Feb	5.1	4.9	1	#	12.0	1985	13	14.2	1996	12	1985	14	4	1979	2.5	2.0	.5	.3	@	5.1	2.2	1.3	.2
Mar	3.4	.8	#	#	14.0	1993	14	21.0	1993	21	1993	14	3	1993	1.4	1.2	.4	.2	@	1.8	.7	.4	.1
Apr	.8	.0	#	0	7.0	1987	4	21.0	1987	18	1987	5	2	1987	.2	.2	.1	.1	.0	.3	.2	.1	.1
May	#	.0	0	0	#	1989	7	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	.7	1974	20	.7	1974	#+	1993	31	#+	1993	@	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	#	2.6	1971	22	4.4	1971	2	1995	15	#+	2000	.5	.4	.0	.0	.0	.5	.0	.0	.0
Dec	3.7	1.5	#	#	8.1	1997	30	13.0	1974	9+	1997	31	2	1989	2.1	1.6	.4	.1	.0	3.8	1.1	.3	.0
Ann	21.8	12.3	N/A	N/A	14.0	Mar 1993	14	26.4	Jan 1996	21	Mar 1993	14	6	Jan 1996	10.9	8.8	2.2	1.1	@	19.9	8.3	4.2	.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: PINEVILLE, WV **COOP ID: 467029**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,280 Feet** **Lat: 37˚34N** **Lon: 81˚32W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/21	5/16	5/12	5/09	5/06	5/04	5/01	4/27	4/22
32	5/16	5/11	5/07	5/03	4/30	4/27	4/23	4/19	4/13
28	4/29	4/23	4/19	4/15	4/12	4/08	4/05	4/01	3/26
24	4/15	4/10	4/06	4/03	3/31	3/28	3/25	3/21	3/16
20	4/02	3/25	3/20	3/16	3/11	3/07	3/02	2/25	2/18
16	3/21	3/14	3/09	3/05	3/01	2/25	2/20	2/15	2/08

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/29	10/03	10/06	10/09	10/11	10/14	10/17	10/20	10/24
32	10/06	10/11	10/15	10/17	10/20	10/23	10/26	10/29	11/03
28	10/14	10/19	10/23	10/26	10/29	11/01	11/04	11/08	11/14
24	10/20	10/27	11/01	11/05	11/09	11/13	11/17	11/22	11/29
20	11/05	11/11	11/16	11/20	11/24	11/27	12/01	12/06	12/12
16	11/17	11/24	11/29	12/03	12/08	12/12	12/16	12/21	12/29

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	176	170	165	161	157	154	150	145	139
32	194	186	181	177	173	168	164	159	152
28	223	215	209	204	200	195	190	184	176
24	247	238	232	227	222	218	213	207	198
20	285	275	268	262	257	251	245	238	228
16	309	299	292	287	281	276	270	263	254

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: PINEVILLE, WV **COOP ID: 467029**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,280 Feet** **Lat: 37˚34N** **Lon: 81˚32W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1019	830	657	361	152	15	0	2	51	346	612	906	4951
60	864	690	505	225	73	2	0	0	15	226	465	751	3816
57	771	606	419	155	41	0	0	0	6	167	381	658	3204
55	716	550	362	117	26	0	0	0	3	134	328	604	2840
50	571	419	237	46	7	0	0	0	0	69	208	460	2017
32	173	79	16	0	0	0	0	0	0	0	9	101	378

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	177	174	382	632	936	1144	1304	1265	1033	697	387	218	8349
55	7	0	15	59	248	454	591	552	346	118	16	8	2414
57	0	0	10	38	201	394	529	490	289	89	9	0	2049
60	0	0	3	17	140	306	436	397	208	55	3	0	1565
65	0	0	0	3	65	169	281	244	94	20	0	0	876
70	0	0	0	0	21	65	136	110	25	5	0	0	362

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	41	69	192	396	682	899	1059	1023	802	459	199	72	41	110	302	698	1380	2279	3338	4361	5163	5622	5821	5893
45	16	30	109	271	528	749	904	868	652	314	111	32	16	46	155	426	954	1703	2607	3475	4127	4441	4552	4584
50	1	8	51	165	379	599	749	713	503	192	55	9	1	9	60	225	604	1203	1952	2665	3168	3360	3415	3424
55	0	1	15	86	240	450	594	558	357	100	17	0	0	1	16	102	342	792	1386	1944	2301	2401	2418	2418
60	0	0	2	37	130	309	439	403	222	41	2	0	0	0	2	39	169	478	917	1320	1542	1583	1585	1585
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	31	59	149	275	435	597	723	700	515	296	138	49	31	90	239	514	949	1546	2269	2969	3484	3780	3918	3967

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RIPLEY, WV **COOP ID: 467552**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 590 Feet** **Lat: 38˚49N** **Lon: 81˚43W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.7	19.9	30.3	80	1950	25	39.7	1974	-28+	1994	19	16.2	1977	1076	0	.0	.0	8.2	7.1	25.4	1.7
Feb	45.5	21.8	33.7	78+	1957	26	40.9	1976	-16	1996	4	20.7	1978	879	0	.0	.0	11.2	3.9	21.7	1.2
Mar	55.7	29.5	42.6	89+	1952	21	51.4	1973	-11	1980	3	36.9	1996	694	0	.0	.0	22.1	.7	17.4	.1
Apr	66.3	38.1	52.2	95	1985	22	56.9	1999	11	1982	7	48.2	1982	386	2	.0	.5	27.9	.0	7.9	.0
May	75.8	49.0	62.4	97	1962	19	69.6	1991	23	1966	10	57.2	1997	149	68	.0	1.6	31.0	.0	1.2	.0
Jun	82.9	57.8	70.4	102	1988	25	73.9	1971	35+	1966	2	66.1	1977	20	180	.1	5.5	30.0	.0	.0	.0
Jul	86.6	62.6	74.6	107	1988	16	79.0	1999	39	1988	1	71.4	2000	0	298	.4	10.3	31.0	.0	.0	.0
Aug	84.8	60.5	72.7	103+	1983	20	77.8	1995	35	1965	29	66.5	1982	14	250	.3	7.3	31.0	.0	.0	.0
Sep	78.9	53.2	66.1	102	1953	3	70.6	1998	29+	1981	24	61.0	1982	70	102	.1	2.6	30.0	.0	.2	.0
Oct	68.0	40.3	54.2	92+	1949	10	61.5	1971	14	1962	27	46.8	1976	354	17	.0	.0	30.2	.0	6.0	.0
Nov	56.1	31.8	44.0	86+	1948	5	51.5	1985	0	1958	30	34.6	1976	631	0	.0	.0	21.1	.2	15.1	.0
Dec	45.7	25.1	35.4	82	1982	2	44.0	1971	-17+	1989	22	22.1	1989	917	0	.0	.0	12.5	3.9	22.3	.7
Ann	65.6	40.8	53.2	107	Jul 1988	16	79.0	Jul 1999	-28+	Jan 1994	19	16.2	Jan 1977	5190	917	.9	27.8	286.2	15.8	117.2	3.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: RIPLEY, WV **COOP ID: 467552**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 590 Feet** **Lat: 38°49N** **Lon: 81°43W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.40	3.47	1.88	1951	15	6.53	1978	.84	1981	14.1	8.6	2.0	.5	1.01	1.33	1.82	2.23	2.64	3.06	3.53	4.08	4.79	5.91	6.94
Feb	3.26	3.01	2.54	2000	19	6.07	1989	.75	1977	12.0	7.4	1.9	.5	1.26	1.57	2.00	2.36	2.69	3.04	3.41	3.85	4.40	5.24	6.01
Mar	3.96	3.42	4.00	1997	2	9.41	1997	1.52	1979	12.8	8.5	3.0	.6	1.53	1.89	2.42	2.85	3.27	3.69	4.14	4.67	5.34	6.37	7.31
Apr	3.44	3.54	2.05	1962	12	6.92	1973	.56	1985	13.0	8.0	2.3	.5	1.05	1.38	1.87	2.29	2.69	3.11	3.57	4.12	4.82	5.92	6.93
May	4.47	4.14	5.55	1985	16	9.69	1985	1.05	1991	12.9	9.1	3.0	.9	1.61	2.03	2.64	3.15	3.64	4.13	4.67	5.30	6.11	7.35	8.49
Jun	4.27	3.29	6.80	1998	28	15.51	1998	.33	1984	11.6	8.1	3.1	.9	.97	1.36	1.99	2.55	3.11	3.71	4.38	5.18	6.24	7.91	9.49
Jul	4.90	4.50	3.16	2001	18	9.21	1980	2.04	1974	10.7	8.0	3.8	1.4	2.28	2.71	3.30	3.78	4.22	4.66	5.14	5.68	6.36	7.39	8.32
Aug	3.90	3.92	4.40	1963	4	7.38	1989	1.55	1993	10.2	6.9	2.9	1.0	1.72	2.07	2.55	2.95	3.32	3.69	4.09	4.55	5.12	6.00	6.79
Sep	3.36	3.31	3.00	1971	13	8.31	1971	.62	1998	9.3	6.8	2.4	.7	.82	1.14	1.63	2.06	2.49	2.95	3.46	4.07	4.86	6.12	7.30
Oct	3.12	2.50	4.00	1985	21	7.61	1973	.52+	1994	10.6	6.7	1.9	.7	.63	.92	1.37	1.79	2.21	2.67	3.18	3.79	4.61	5.91	7.15
Nov	3.53	3.49	2.30	1972	1	7.15	1985	1.12	1976	11.5	7.4	2.5	.7	1.34	1.67	2.14	2.53	2.90	3.28	3.69	4.16	4.77	5.70	6.55
Dec	3.50	2.81	2.79	1948	15	9.66	1978	.95	1989	13.4	7.8	2.2	.7	1.13	1.46	1.95	2.37	2.77	3.19	3.64	4.18	4.86	5.93	6.92
Ann	45.11	45.26	6.80	Jun 1998	28	15.51	Jun 1998	.33	Jun 1984	142.1	93.3	31.0	9.1	33.32	35.63	38.58	40.80	42.77	44.67	46.62	48.76	51.36	55.11	58.34

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Station: RIPLEY, WV **COOP ID: 467552**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 590 Feet** **Lat: 38°49N** **Lon: 81°43W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	7.5	4.3	2	1	8.5	1994	4	18.1	1985	35	1977	31	20	1977	3.7	2.8	.8	.2	.0	6.5	2.5	.9	.0
Feb	7.4	6.9	1	#	9.0	1985	13	21.0	1979	12	1986	15	5	1985	2.6	1.6	.6	.2	.0	5.6	3.0	1.7	.4
Mar	2.4	1.2	#	#	7.0	1971	3	12.7	1971	16	1993	15	2	1993	1.2	.6	.2	.1	.0	.7	.2	.1	.0
Apr	.7	.0	#	0	8.5	1987	5	15.0	1987	9	1987	5	1	1987	.2	.2	.1	.1	.0	.1	.1	.1	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.2	1974	20	2.2	1974	#+	1974	20	#+	1974	.1	.1	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	0	4.5	1971	24	6.8	1976	3	1971	24	#+	1997	.5	.3	@	.0	.0	.2	@	.0	.0
Dec	2.1	1.0	#	#	3.0	1985	25	6.2	1985	5	1999	29	2	1989	1.9	.9	.1	.0	.0	2.0	.3	@	.0
Ann	21.0	13.4	N/A	N/A	9.0	Feb 1985	13	21.0	Feb 1979	35	Jan 1977	31	20	Jan 1977	10.2	6.5	1.8	.6	.0	15.1	6.1	2.8	.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 590 Feet** **Lat: 38˚49N** **Lon: 81˚43W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/27	5/21	5/17	5/14	5/11	5/07	5/04	4/30	4/24
32	5/16	5/11	5/08	5/05	5/02	4/29	4/26	4/22	4/18
28	5/02	4/27	4/22	4/19	4/15	4/12	4/08	4/04	3/29
24	4/19	4/15	4/11	4/08	4/05	4/03	3/31	3/27	3/23
20	4/07	4/02	3/30	3/27	3/24	3/21	3/18	3/14	3/09
16	3/30	3/22	3/16	3/12	3/07	3/03	2/26	2/21	2/13

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/20	9/24	9/27	9/30	10/02	10/04	10/07	10/10	10/14
32	9/29	10/04	10/07	10/10	10/13	10/16	10/19	10/22	10/27
28	10/08	10/14	10/18	10/21	10/24	10/27	10/31	11/04	11/09
24	10/15	10/22	10/27	10/31	11/05	11/09	11/13	11/18	11/25
20	10/27	11/04	11/09	11/14	11/18	11/23	11/27	12/03	12/10
16	11/12	11/19	11/24	11/29	12/02	12/06	12/11	12/16	12/23

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	165	158	153	148	144	140	135	130	122
32	184	177	172	168	163	159	155	150	143
28	218	209	202	196	191	186	180	173	164
24	242	232	224	218	212	207	200	193	183
20	267	257	250	244	239	233	227	220	210
16	295	286	280	274	269	264	259	252	244

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 590 Feet** **Lat: 38˚49N** **Lon: 81˚43W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1076	879	694	386	149	20	0	14	70	354	631	917	5190
60	921	739	539	248	70	4	0	2	23	231	483	762	4022
57	828	655	452	176	39	1	0	0	10	170	399	675	3405
55	768	599	395	134	25	0	0	0	5	135	344	617	3022
50	625	469	262	57	6	0	0	0	1	68	221	475	2184
32	209	114	21	0	0	0	0	0	0	0	11	116	471

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	157	160	350	606	942	1150	1321	1259	1022	686	371	222	8246
55	3	0	11	50	254	461	608	546	337	108	13	10	2401
57	0	0	6	31	206	401	546	484	282	81	8	6	2051
60	0	0	0	14	144	314	453	393	206	49	2	0	1575
65	0	0	0	2	68	180	298	250	102	17	0	0	917
70	0	0	0	0	23	79	155	134	37	4	0	0	432

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	49	72	215	426	725	934	1089	1037	813	479	214	87	49	121	336	762	1487	2421	3510	4547	5360	5839	6053	6140
45	23	35	125	294	570	784	934	882	663	336	129	41	23	58	183	477	1047	1831	2765	3647	4310	4646	4775	4816
50	3	12	69	181	418	635	779	727	513	207	64	19	3	15	84	265	683	1318	2097	2824	3337	3544	3608	3627
55	0	0	34	101	282	485	624	572	370	110	27	3	0	0	34	135	417	902	1526	2098	2468	2578	2605	2608
60	0	0	8	44	158	339	469	417	238	50	4	0	0	0	8	52	210	549	1018	1435	1673	1723	1727	1727
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	37	56	160	289	472	620	740	701	532	318	142	57	37	93	253	542	1014	1634	2374	3075	3607	3925	4067	4124

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: ROMNEY 1 SW, WV **COOP ID: 467730**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 670 Feet** **Lat: 39˚20N** **Lon: 78˚46W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.4	19.8	29.1	78	1950	26	37.9	1990	-17+	1968	2	17.2	1977	1112	0	.0	.0	5.5	8.3	27.6	1.6
Feb	43.2	21.8	32.5	81	1985	25	39.4	2000	-12	1967	8	20.2	1979	910	0	.0	.0	8.4	4.7	23.8	.6
Mar	53.2	29.4	41.3	90	1998	31	48.3	1973	-4	1960	8	35.5	1984	735	0	.0	@	18.6	1.1	20.6	@
Apr	65.2	37.8	51.5	94+	1976	19	55.8	1981	15	1969	1	46.8	1975	406	1	.0	.3	26.6	.0	8.9	.0
May	75.1	47.7	61.4	98	1996	20	68.4	1991	23	1968	7	56.9	1997	166	55	.0	1.6	30.9	.0	.9	.0
Jun	83.3	56.7	70.0	100	2000	11	73.3	1994	32+	1966	1	65.7	1972	16	166	@	6.3	30.0	.0	@	.0
Jul	86.8	61.4	74.1	103+	1954	14	77.8	1999	41+	1963	10	71.0	2000	0	282	.2	10.2	31.0	.0	.0	.0
Aug	84.8	59.8	72.3	103+	1988	18	76.4	1988	37+	1964	15	69.0	1976	6	232	.2	7.1	31.0	.0	.0	.0
Sep	77.9	52.7	65.3	99	1957	2	69.2	1980	26+	1963	24	61.3	1975	63	72	.0	2.3	30.0	.0	.1	.0
Oct	66.8	39.8	53.3	93+	1949	7	60.1	1984	13	1969	24	47.9	1987	369	8	.0	.1	29.9	.0	7.8	.0
Nov	54.4	31.6	43.0	85+	1950	1	48.6	1985	5+	2000	23	37.6	1996	659	0	.0	.0	19.8	.1	17.1	.0
Dec	43.0	24.1	33.6	80	2001	6	40.9	1984	-13	1960	23	22.6	1989	974	0	.0	.0	8.8	4.5	25.1	.3
Ann	64.3	40.2	52.3	103+	Aug 1988	18	77.8	Jul 1999	-17+	Jan 1968	2	17.2	Jan 1977	5416	816	.4	27.9	270.5	18.7	131.9	2.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Climate Division: WV 6 **NWS Call Sign:** **Elevation: 670 Feet** **Lat: 39°20N** **Lon: 78°46W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.50	2.38	1.85	1996	8	6.33	1996	.78+	2000	9.3	6.4	1.6	.2	.73	.96	1.32	1.63	1.93	2.25	2.59	3.00	3.53	4.36	5.13
Feb	2.11	1.82	2.20	1994	9	5.38	1998	.28	1977	7.8	4.9	1.4	.3	.43	.62	.93	1.22	1.50	1.81	2.15	2.56	3.11	3.99	4.82
Mar	2.98	2.63	2.49	1984	29	6.70	1994	1.05	1995	9.7	6.7	1.9	.5	.85	1.14	1.56	1.94	2.30	2.68	3.10	3.59	4.23	5.23	6.17
Apr	2.91	2.51	1.62	1988	7	6.82	1993	.99	1971	11.4	6.8	2.0	.3	.82	1.10	1.51	1.88	2.24	2.61	3.02	3.51	4.14	5.13	6.05
May	3.65	3.49	3.58	1960	8	7.66	1988	1.25	1977	12.3	8.1	2.7	.5	1.31	1.65	2.15	2.57	2.96	3.37	3.81	4.33	4.99	6.00	6.94
Jun	3.22	2.67	3.40	1972	22	9.37	1972	.76	1990	11.2	7.1	2.2	.5	.90	1.21	1.67	2.07	2.47	2.88	3.34	3.88	4.58	5.68	6.70
Jul	3.87	3.89	2.47	1982	4	9.17	1996	.93	1983	11.0	7.7	2.8	.9	1.19	1.56	2.11	2.58	3.03	3.50	4.02	4.63	5.42	6.64	7.78
Aug	3.49	3.32	2.80	1955	13	8.20	2000	1.12	1981	10.6	7.2	2.4	.7	1.25	1.58	2.05	2.45	2.83	3.22	3.64	4.13	4.76	5.73	6.62
Sep	3.15	2.68	2.71	1987	13	9.46	1996	.26	1985	9.8	6.0	1.8	.7	.63	.92	1.38	1.80	2.23	2.69	3.21	3.83	4.66	5.98	7.23
Oct	2.65	2.45	3.10	1976	9	9.38	1976	.27	1992	8.6	5.1	1.8	.6	.40	.62	1.01	1.37	1.75	2.17	2.65	3.23	4.02	5.29	6.52
Nov	2.85	2.86	2.35	1993	28	8.14	1985	.38	1998	9.5	5.9	1.8	.7	.73	1.00	1.41	1.78	2.14	2.52	2.95	3.45	4.10	5.14	6.11
Dec	2.32	1.92	2.07	1992	11	5.23	1972	.53	1980	8.5	5.5	1.5	.3	.60	.82	1.15	1.45	1.74	2.05	2.40	2.80	3.34	4.18	4.96
Ann	35.70	33.96	3.58	May 1960	8	9.46	Sep 1996	.26	Sep 1985	119.7	77.4	23.9	6.2	26.06	27.94	30.34	32.16	33.77	35.33	36.93	38.69	40.83	43.91	46.58

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
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Climatography of the United States No. 20 1971-2000

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Station: ROMNEY 1 SW, WV **COOP ID: 467730**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 670 Feet** **Lat: 39°20N** **Lon: 78°46W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.0	6.5	2	1	26.0	1971	1	36.0	1996	34	1996	13	10	1996	3.6	3.0	1.2	.6	.1	10.6	5.4	3.2	1.8
Feb	6.9	3.5	1	1	21.0	1983	12	35.0	1983	21	1983	12	6	1979	2.5	2.1	1.0	.3	.1	7.2	4.3	2.4	.2
Mar	6.3	2.8	1	#	21.5	1993	14	30.0	1993	24	1993	14	4	1993	2.0	1.5	.7	.4	.1	3.2	1.4	.7	.1
Apr	.4	.0	#	0	2.5	1973	12	2.5	1973	1+	1996	9	#+	1996	.3	.2	.0	.0	.0	.3	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1992	19	#	1992	#	1992	19	#	1992	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.5	.0	#	#	5.0	1976	12	9.0	1995	9	1971	25	1	1995	.7	.5	.2	.1	.0	1.2	.3	.1	.0
Dec	3.3	2.0	1	#	20.5	1992	11	20.5	1992	23	1992	11	4	1992	1.7	1.2	.2	.1	.1	4.0	1.4	.6	.2
Ann	27.4	14.8	N/A	N/A	26.0	Jan 1971	1	36.0	Jan 1996	34	Jan 1996	13	10	Jan 1996	10.8	8.5	3.3	1.5	.4	26.5	12.8	7.0	2.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 6 **NWS Call Sign:** **Elevation: 670 Feet** **Lat: 39˚20N** **Lon: 78˚46W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/30	5/24	5/20	5/17	5/14	5/11	5/08	5/04	4/29
32	5/19	5/14	5/10	5/07	5/04	4/30	4/27	4/23	4/18
28	4/30	4/26	4/22	4/19	4/17	4/14	4/11	4/08	4/03
24	4/18	4/14	4/10	4/07	4/05	4/02	3/30	3/27	3/22
20	4/05	4/01	3/28	3/25	3/23	3/20	3/17	3/14	3/09
16	3/31	3/25	3/20	3/16	3/13	3/09	3/05	3/01	2/22

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/19	9/23	9/26	9/29	10/02	10/04	10/07	10/10	10/14
32	9/29	10/04	10/07	10/10	10/12	10/15	10/18	10/21	10/25
28	10/12	10/16	10/19	10/22	10/25	10/27	10/30	11/02	11/07
24	10/15	10/20	10/24	10/28	10/31	11/03	11/07	11/11	11/17
20	10/31	11/06	11/10	11/14	11/17	11/20	11/24	11/28	12/04
16	11/14	11/21	11/26	12/01	12/04	12/08	12/13	12/18	12/24

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	158	152	147	143	140	136	132	128	122
32	181	174	169	165	161	157	153	148	141
28	209	203	198	194	190	187	183	178	172
24	226	220	216	212	209	205	202	197	191
20	260	253	247	243	239	234	230	225	217
16	295	285	278	272	266	260	254	247	237

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 6 **NWS Call Sign:** **Elevation: 670 Feet** **Lat: 39˚20N** **Lon: 78˚46W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1112	910	735	406	166	16	0	6	63	369	659	974	5416
60	957	770	580	263	81	3	0	0	17	238	510	819	4238
57	864	686	491	187	47	1	0	0	6	172	423	726	3603
55	802	630	433	142	30	0	0	0	3	134	367	664	3205
50	655	497	296	59	8	0	0	0	0	64	238	519	2336
32	210	122	28	0	0	0	0	0	0	0	12	121	493

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	122	135	316	585	912	1140	1304	1250	999	661	343	170	7937
55	0	0	8	37	229	450	591	537	312	83	8	0	2255
57	0	0	4	22	184	391	529	475	255	58	4	0	1922
60	0	0	0	8	126	302	436	382	176	31	1	0	1462
65	0	0	0	1	55	166	282	232	72	8	0	0	816
70	0	0	0	0	17	64	144	109	17	0	0	0	351

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	26	45	155	369	669	903	1066	1011	772	430	169	48	26	71	226	595	1264	2167	3233	4244	5016	5446	5615	5663
45	5	19	83	238	514	753	911	856	622	286	93	22	5	24	107	345	859	1612	2523	3379	4001	4287	4380	4402
50	0	5	39	143	365	603	756	701	472	168	43	7	0	5	44	187	552	1155	1911	2612	3084	3252	3295	3302
55	0	0	17	73	235	454	601	546	329	82	13	1	0	0	17	90	325	779	1380	1926	2255	2337	2350	2351
60	0	0	5	33	128	310	446	393	202	31	3	0	0	0	5	38	166	476	922	1315	1517	1548	1551	1551
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	24	44	122	249	427	591	711	672	498	286	121	37	24	68	190	439	866	1457	2168	2840	3338	3624	3745	3782

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: ROWLESBURG 1, WV **COOP ID: 467785**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,423 Feet** **Lat: 39˚20N** **Lon: 79˚41W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	37.9	19.2	28.6	80	1950	26	38.9	1974	-21	1994	20	14.6	1977	1130	0	.0	.0	5.5	10.3	27.0	2.6
Feb	41.6	20.8	31.2	79	2000	27	38.5	1990	-19	1996	6	18.9	1978	947	0	.0	.0	7.2	7.3	23.8	1.6
Mar	51.6	27.9	39.8	85	1954	25	47.7	1973	-5	1978	2	33.5	1996	783	0	.0	.0	16.7	2.4	21.8	.2
Apr	62.4	36.1	49.3	93	1957	27	53.2	1985	12+	1972	10	44.4	1975	472	0	.0	.1	24.9	.1	10.3	.0
May	72.0	46.1	59.1	91+	1949	7	66.7	1991	23	1966	10	53.8	1997	222	36	.0	.1	30.6	.0	1.6	.0
Jun	79.3	55.0	67.2	98	1953	21	70.4	1994	32	1977	8	61.2	1972	46	110	.0	.6	30.0	.0	@	.0
Jul	82.3	60.1	71.2	101	1988	17	74.8	1987	40+	1988	1	67.4	1976	7	199	@	2.0	31.0	.0	.0	.0
Aug	81.6	59.2	70.4	98+	1948	28	75.1	1995	38	1971	25	66.6	1976	14	181	.0	2.0	31.0	.0	.0	.0
Sep	75.8	52.6	64.2	101	1953	3	67.6	1978	30+	1957	28	60.8	1976	76	52	.0	.3	30.0	.0	.1	.0
Oct	65.3	40.1	52.7	93	1949	11	59.5	1984	11	1952	21	46.7	1976	390	8	.0	.0	28.0	.0	5.9	.0
Nov	53.5	31.5	42.5	83	1948	6	50.7	1985	0+	1951	21	34.2	1976	675	0	.0	.0	17.4	1.1	16.9	.0
Dec	42.5	23.9	33.2	80	1951	7	41.4	1984	-13+	1983	25	20.1	1989	987	0	.0	.0	7.9	6.2	25.2	.8
Ann	62.2	39.4	50.8	101+	Jul 1988	17	75.1	Aug 1995	-21	Jan 1994	20	14.6	Jan 1977	5749	586	@	5.1	260.2	27.4	132.6	5.2

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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Station: ROWLESBURG 1, WV

COOP ID: 467785

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,423 Feet** **Lat: 39°20N** **Lon: 79°41W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	4.36	4.46	1.95	1974	11	7.87	1979	1.73	1981	16.3	10.6	2.8	.7	1.81	2.20	2.76	3.23	3.66	4.10	4.57	5.11	5.80	6.86	7.81
Feb	4.01	3.81	2.70	2000	19	8.21	1986	1.35	1978	13.4	9.6	2.7	.5	1.64	2.01	2.52	2.95	3.35	3.76	4.20	4.71	5.35	6.33	7.22
Mar	4.62	4.43	3.05	1963	5	8.77	1997	1.88	1990	13.8	10.6	2.9	.8	2.21	2.61	3.16	3.60	4.00	4.41	4.84	5.34	5.96	6.89	7.74
Apr	4.70	4.54	1.91	1980	9	9.13	1973	1.62	1971	14.0	10.8	3.2	.7	2.20	2.61	3.17	3.63	4.05	4.48	4.93	5.44	6.09	7.07	7.96
May	5.23	5.31	3.23	1968	24	11.38	1996	1.72	1991	13.8	10.1	3.8	1.1	2.02	2.51	3.20	3.78	4.32	4.87	5.47	6.17	7.05	8.41	9.64
Jun	5.49	5.49	2.72	2000	6	10.74	1998	1.55	1988	12.8	9.6	3.7	1.6	1.91	2.43	3.18	3.82	4.42	5.05	5.73	6.52	7.54	9.11	10.55
Jul	5.90	5.13	3.53	1984	11	11.14	1992	2.39	1987	12.2	9.4	4.1	1.7	2.55	3.08	3.82	4.43	5.00	5.57	6.18	6.89	7.78	9.13	10.35
Aug	4.64	4.01	4.71	1961	12	9.52	1980	1.80	1993	11.5	8.4	3.5	1.0	1.92	2.34	2.94	3.43	3.89	4.36	4.87	5.45	6.18	7.31	8.33
Sep	4.15	3.52	2.85	1971	13	8.69	1993	.34	1985	11.3	8.0	3.2	1.0	1.33	1.72	2.30	2.80	3.28	3.78	4.33	4.96	5.79	7.07	8.25
Oct	3.78	4.03	4.01	1954	16	8.25	1976	1.03	1992	11.0	8.1	2.4	.9	1.09	1.45	1.99	2.46	2.92	3.39	3.92	4.54	5.34	6.60	7.76
Nov	4.41	4.25	4.57	1985	5	13.36	1985	1.32	1998	13.4	9.4	2.9	1.0	1.54	1.96	2.56	3.07	3.56	4.06	4.61	5.24	6.06	7.32	8.48
Dec	4.40	4.12	2.97	1948	16	9.59	1990	1.92	1980	16.1	10.0	3.0	.7	1.79	2.19	2.76	3.23	3.68	4.13	4.61	5.17	5.88	6.97	7.95
Ann	55.69	55.86	4.71	Aug 1961	12	13.36	Nov 1985	.34	Sep 1985	159.6	114.6	38.2	11.7	44.17	46.50	49.42	51.60	53.52	55.35	57.23	59.28	61.75	65.27	68.28

+ Also occurred on an earlier date(s)
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Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	14.7	14.8	4	3	17.5	1996	8	39.9	1994	25	1978	22	12	1978	8.5	5.8	2.1	.9	.1	12.7	8.9	5.5	2.5
Feb	12.6	10.4	3	1	12.0	1983	12	38.9	1979	25	1979	1	16	1978	6.0	4.5	1.5	.5	.1	12.0	8.0	4.6	1.8
Mar	8.8	7.4	1	#	15.0	1993	14	46.0	1999	20	1978	4	8	1978	3.6	2.7	.9	.4	.1	5.1	2.5	1.2	.2
Apr	1.3	.0	#	#	4.0	1973	11	8.0	1987	6	1987	5	1	1987	.9	.6	.1	.0	.0	.8	.3	.1	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	#	0	.5	1993	31	.5	1993	1	1993	31	#+	1993	.1	.0	.0	.0	.0	@	.0	.0	.0
Nov	3.2	1.8	#	#	9.0	1995	15	18.5	1995	14	1995	17	3	1995	2.0	1.3	.3	.1	.0	2.6	.8	.1	.0
Dec	8.0	6.6	1	1	7.5	2000	31	20.3	1992	11	1981	11	4	1989	5.8	3.9	.9	.2	.0	8.1	4.0	1.7	.2
Ann	48.6	41.0	N/A	N/A	17.5	Jan 1996	8	46.0	Mar 1999	25+	Feb 1979	1	16	Feb 1978	26.9	18.8	5.8	2.1	.3	41.3	24.5	13.2	4.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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U.S. Department of Commerce
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: ROWLESBURG 1, WV **COOP ID: 467785**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,423 Feet** **Lat: 39˚20N** **Lon: 79˚41W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/29	5/24	5/20	5/17	5/13	5/10	5/07	5/03	4/27
32	5/20	5/14	5/10	5/06	5/03	4/29	4/26	4/21	4/15
28	5/03	4/27	4/24	4/21	4/18	4/15	4/11	4/08	4/03
24	4/15	4/11	4/07	4/05	4/02	3/31	3/28	3/25	3/20
20	4/11	4/06	4/02	3/30	3/27	3/24	3/21	3/17	3/12
16	3/31	3/25	3/20	3/16	3/13	3/09	3/05	3/01	2/22

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/26	9/30	10/02	10/04	10/06	10/07	10/09	10/12	10/15
32	10/05	10/09	10/12	10/14	10/17	10/19	10/21	10/24	10/29
28	10/16	10/20	10/24	10/27	10/29	11/01	11/04	11/07	11/12
24	10/23	10/29	11/02	11/06	11/09	11/13	11/17	11/21	11/27
20	11/04	11/10	11/15	11/19	11/22	11/26	11/30	12/05	12/11
16	11/14	11/20	11/25	11/29	12/03	12/06	12/10	12/15	12/22

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	164	157	152	148	145	141	137	132	125
32	189	181	175	171	166	162	157	151	143
28	217	209	203	198	194	189	185	179	171
24	245	236	230	225	220	216	211	205	196
20	269	259	252	246	240	234	228	221	211
16	289	280	274	269	264	259	254	248	239

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: ROWLESBURG 1, WV **COOP ID: 467785**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,423 Feet** **Lat: 39˚20N** **Lon: 79˚41W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1130	947	783	472	222	46	7	14	76	390	675	987	5749
60	975	807	628	325	122	11	0	0	22	256	526	832	4504
57	882	723	538	243	77	4	0	0	8	189	440	739	3843
55	820	667	480	193	54	2	0	0	4	151	386	680	3437
50	677	533	341	92	17	0	0	0	0	77	258	537	2532
32	240	147	43	0	0	0	0	0	0	0	20	145	595

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	133	124	283	518	837	1054	1215	1190	965	641	335	182	7477
55	0	0	7	21	178	366	502	477	279	79	11	3	1923
57	0	0	3	12	140	308	440	415	224	55	6	0	1603
60	0	0	0	3	92	225	347	322	147	29	2	0	1167
65	0	0	0	0	36	110	199	181	52	8	0	0	586
70	0	0	0	0	11	36	83	78	9	0	0	0	217

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	32	41	131	307	589	813	965	940	721	393	158	50	32	73	204	511	1100	1913	2878	3818	4539	4932	5090	5140
45	10	16	71	195	437	663	810	785	571	255	86	25	10	26	97	292	729	1392	2202	2987	3558	3813	3899	3924
50	0	1	33	108	293	514	655	630	423	144	41	7	0	1	34	142	435	949	1604	2234	2657	2801	2842	2849
55	0	0	9	50	174	369	500	475	283	67	12	0	0	0	9	59	233	602	1102	1577	1860	1927	1939	1939
60	0	0	1	16	87	229	346	323	159	21	1	0	0	0	1	17	104	333	679	1002	1161	1182	1183	1183
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	22	36	103	207	367	524	646	625	450	241	104	36	22	58	161	368	735	1259	1905	2530	2980	3221	3325	3361

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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Station: SENECA STATE FOREST 1N, WV **COOP ID: 468051**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,450 Feet** **Lat: 38˚20N** **Lon: 79˚56W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	35.9	13.5	24.7	64+	1974	27	35.6	1974	-24+	1982	17	12.1	1977	1248	0	.0	.0	4.7	9.1	29.1	4.4
Feb	40.5	15.3	27.9	72	1977	26	34.6	1976	-21	1972	8	15.7	1978	1039	0	.0	.0	8.0	5.7	26.3	2.7
Mar	49.4	22.6	36.0	82+	1986	31	42.1	1973	-13	1980	3	30.0	1984	900	0	.0	.0	17.0	1.7	25.2	.4
Apr	60.2	30.2	45.2	88	1976	19	50.4	1994	1	1985	10	40.7	1975	595	0	.0	.0	25.0	.1	16.7	.0
May	69.7	40.9	55.3	91+	1991	29	63.1	1991	17	1968	7	50.6	1997	317	16	.0	.3	30.4	.0	6.2	.0
Jun	76.6	49.5	63.1	92+	1988	22	67.0	1994	24	1972	11	57.8	1972	105	46	.0	.9	30.0	.0	.5	.0
Jul	80.1	54.4	67.3	99	1988	16	71.3	1993	29	1988	1	63.9	1976	33	103	.0	1.7	31.0	.0	.1	.0
Aug	78.4	53.2	65.8	96+	1987	17	70.2	1995	30	1968	29	61.8	1976	51	74	.0	1.4	31.0	.0	@	.0
Sep	72.1	46.3	59.2	93	1973	1	62.8	1998	18	1983	24	55.6	1974	185	10	.0	.1	29.9	.0	1.9	.0
Oct	62.2	33.4	47.8	84	1989	13	57.5	1984	7	1969	24	41.0	1988	535	1	.0	.0	28.2	.0	14.9	.0
Nov	50.1	24.9	37.5	77+	1982	2	47.0	1985	-2	1970	25	28.7	1976	825	0	.0	.0	17.2	1.2	22.7	.1
Dec	40.0	17.8	28.9	75	1982	4	37.5	1984	-25	1989	23	16.6	1989	1120	0	.0	.0	7.5	6.0	27.7	2.2
Ann	59.6	33.5	46.6	99	Jul 1988	16	71.3	Jul 1993	-25	Dec 1989	23	12.1	Jan 1977	6953	250	.0	4.4	259.9	23.8	171.3	9.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1967-2000

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Station: SENECA STATE FOREST 1N, WV

COOP ID: 468051

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,450 Feet** **Lat: 38°20N** **Lon: 79°56W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.92	3.56	2.59	1996	19	8.47	1996	1.13	1981	15.3	8.6	2.3	.7	1.39	1.76	2.29	2.74	3.17	3.61	4.09	4.65	5.37	6.48	7.49
Feb	3.43	3.38	1.79	1971	13	6.25	1972	.76	1978	13.0	7.4	2.4	.6	1.39	1.70	2.15	2.52	2.86	3.22	3.60	4.03	4.59	5.44	6.21
Mar	4.42	4.24	1.87	1978	25	7.59	1991	1.91	1972	14.0	9.2	3.4	.9	2.00	2.39	2.93	3.37	3.78	4.20	4.64	5.15	5.79	6.75	7.62
Apr	3.56	3.36	2.91	1977	4	7.73	1973	.30	1976	12.7	7.6	2.3	.7	1.06	1.40	1.91	2.34	2.77	3.21	3.70	4.27	5.02	6.18	7.25
May	4.73	4.47	2.56	1994	8	8.72	1996	1.11	1977	13.5	9.2	3.1	1.2	1.90	2.33	2.95	3.46	3.94	4.43	4.96	5.57	6.34	7.52	8.60
Jun	4.16	3.75	2.89	1995	23	7.43	1972	1.02	1988	12.9	8.9	2.8	.8	1.41	1.80	2.38	2.87	3.34	3.82	4.35	4.96	5.75	6.98	8.10
Jul	4.82	4.81	2.70	1995	28	9.74	1994	1.17	1975	12.9	8.9	3.4	1.3	1.99	2.43	3.05	3.56	4.04	4.53	5.06	5.66	6.43	7.60	8.67
Aug	4.22	3.75	3.60	1989	21	11.48	1984	1.47	1981	11.0	7.7	3.1	1.0	1.50	1.90	2.48	2.96	3.42	3.90	4.41	5.01	5.78	6.97	8.06
Sep	3.59	2.98	3.48	1967	28	7.45	1993	.16	1978	10.3	6.5	2.3	1.1	.54	.84	1.36	1.86	2.37	2.94	3.59	4.39	5.46	7.20	8.87
Oct	3.36	2.77	4.86	1972	5	9.01	1976	.43	2000	9.3	5.8	2.2	.9	.71	1.02	1.52	1.96	2.42	2.90	3.44	4.09	4.94	6.31	7.61
Nov	3.79	3.70	6.20	1985	4	11.76	1985	1.14	1981	11.7	7.1	2.4	.9	1.39	1.75	2.26	2.68	3.09	3.51	3.96	4.49	5.16	6.19	7.14
Dec	3.87	3.82	2.49	1973	26	7.77	1973	1.09	1980	13.8	7.6	2.5	.8	1.47	1.83	2.34	2.77	3.18	3.60	4.05	4.58	5.24	6.27	7.20
Ann	47.87	46.68	6.20	Nov 1985	4	11.76	Nov 1985	.16	Sep 1978	150.4	94.5	32.2	10.9	36.71	38.94	41.76	43.88	45.74	47.53	49.37	51.39	53.81	57.31	60.30

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1967-2000
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Station: SENECA STATE FOREST 1N, WV **COOP ID: 468051**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,450 Feet** **Lat: 38°20N** **Lon: 79°56W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	17.8	15.1	4	3	14.7	1987	22	36.3	1996	22	1996	13	10	1977	11.3	5.3	2.1	.9	.2	17.4	12.0	7.6	1.9
Feb	14.7	13.1	3	2	16.8	1983	11	39.1	1972	21	1983	11	9	1987	9.2	4.3	1.4	.7	.1	15.9	11.8	7.6	1.6
Mar	12.2	10.2	1	1	16.0	1993	14	34.7	1971	19	1993	15	5	1993	6.5	3.5	1.2	.7	.1	7.4	3.5	2.1	.5
Apr	3.1	1.4	#	#	7.7	1987	3	14.0	1987	10	1987	5	1	1987	2.3	1.0	.3	.1	.0	1.1	.5	.3	.1
May	.1	.0	#	0	1.1	1989	7	1.1	1989	#+	1997	16	#+	1997	.1	@	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	#	.0	0	0	#	1983	23	#	1983	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.7	.0	#	0	7.8	1979	10	7.8	1979	3	1979	10	#+	1997	.4	.2	.1	@	.0	.2	.1	.0	.0
Nov	5.0	2.5	#	#	10.2	1971	24	22.0	1971	10	1971	24	2	1971	3.5	1.9	.5	.1	@	3.3	1.2	.4	@
Dec	10.5	5.4	1	1	14.3	1974	1	29.0	1974	18	1997	31	8	1989	7.8	3.3	.9	.3	.1	10.3	5.6	3.0	.9
Ann	64.1	47.7	N/A	N/A	16.8	Feb 1983	11	39.1	Feb 1972	22	Jan 1996	13	10	Jan 1977	41.1	19.5	6.5	2.8	.5	55.6	34.7	21.0	5.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,450 Feet** **Lat: 38˚20N** **Lon: 79˚56W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/28	6/21	6/16	6/12	6/08	6/04	5/31	5/26	5/19
32	6/10	6/04	5/31	5/27	5/23	5/20	5/16	5/12	5/05
28	5/31	5/25	5/20	5/16	5/12	5/08	5/04	4/30	4/23
24	5/21	5/13	5/07	5/02	4/28	4/23	4/19	4/13	4/05
20	5/07	4/30	4/25	4/21	4/17	4/13	4/08	4/03	3/27
16	4/18	4/12	4/07	4/04	4/01	3/28	3/25	3/20	3/15

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	8/28	9/02	9/06	9/10	9/13	9/16	9/19	9/23	9/29
32	9/11	9/16	9/19	9/22	9/25	9/27	9/30	10/04	10/08
28	9/21	9/25	9/28	9/30	10/03	10/05	10/08	10/11	10/15
24	10/01	10/06	10/09	10/12	10/15	10/18	10/21	10/24	10/29
20	10/07	10/14	10/18	10/22	10/26	10/29	11/02	11/07	11/13
16	10/19	10/25	10/30	11/03	11/07	11/11	11/15	11/20	11/27

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	126	116	108	102	96	90	84	76	66
32	145	138	132	128	124	120	115	110	103
28	166	158	152	148	143	138	133	127	119
24	200	190	182	175	169	163	157	149	138
20	224	213	205	198	191	185	178	170	159
16	247	238	231	225	220	214	209	202	192

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,450 Feet** **Lat: 38˚20N** **Lon: 79˚56W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1248	1039	900	595	317	105	33	51	185	535	825	1120	6953
60	1093	899	745	446	195	36	5	8	80	389	675	965	5536
57	1000	815	652	358	137	15	0	1	42	308	586	872	4786
55	938	759	590	302	104	8	0	0	25	259	527	810	4322
50	783	619	441	175	44	1	0	0	5	156	388	657	3269
32	304	191	67	2	0	0	0	0	0	6	53	207	830

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	78	77	190	396	722	931	1093	1047	815	496	219	110	6174
55	0	0	0	7	113	249	380	334	151	36	2	0	1272
57	0	0	0	3	84	197	318	273	107	23	1	0	1006
60	0	0	0	1	49	128	230	187	55	11	0	0	661
65	0	0	0	0	16	46	103	74	10	1	0	0	250
70	0	0	0	0	4	9	28	16	0	0	0	0	57

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	15	26	97	249	518	733	879	847	618	299	103	32	15	41	138	387	905	1638	2517	3364	3982	4281	4384	4416
45	1	5	44	143	369	583	724	692	470	176	45	10	1	6	50	193	562	1145	1869	2561	3031	3207	3252	3262
50	0	0	17	69	232	433	569	537	326	91	15	0	0	0	17	86	318	751	1320	1857	2183	2274	2289	2289
55	0	0	3	29	128	288	414	382	198	37	2	0	0	0	3	32	160	448	862	1244	1442	1479	1481	1481
60	0	0	0	3	50	160	263	229	95	7	0	0	0	0	0	3	53	213	476	705	800	807	807	807
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	12	36	100	207	351	478	575	543	397	229	93	25	12	48	148	355	706	1184	1759	2302	2699	2928	3021	3046

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SPENCER, WV **COOP ID: 468384**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 943 Feet** **Lat: 38˚48N** **Lon: 81˚22W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.7	19.5	30.1	80	1939	5	39.8	1974	-31+	1994	19	16.8	1977	1081	0	.0	.0	8.4	7.8	26.3	3.0
Feb	45.4	20.4	32.9	81	2000	27	41.7	2000	-22	1996	6	21.7	1978	899	0	.0	.0	10.7	4.5	23.1	1.6
Mar	55.7	27.9	41.8	90	1929	26	50.5	1973	-13	1943	4	34.2	1996	718	0	.0	.0	20.8	.9	20.2	.3
Apr	66.4	36.1	51.3	92+	1986	28	56.5+	1985	15+	1982	7	45.2	1997	416	2	.0	.3	27.3	.1	10.1	.0
May	75.1	46.8	61.0	98	1934	1	69.0	1991	21	1947	10	54.7	1997	185	60	.0	.9	31.0	.0	2.3	.0
Jun	82.3	56.2	69.3	101	1944	19	73.3	1984	31	1972	11	64.5	1972	27	154	.0	3.7	30.0	.0	@	.0
Jul	85.9	61.1	73.5	105	1934	26	77.4	1999	38	1988	1	70.1+	2000	4	268	.2	8.3	31.0	.0	.0	.0
Aug	84.4	58.9	71.7	104	1930	5	76.9	1995	35	1986	29	67.9	1992	13	219	@	5.4	31.0	.0	.0	.0
Sep	78.3	51.3	64.8	103	1932	2	68.6	1973	29+	1942	29	61.7	1997	71	65	.0	1.6	30.0	.0	.5	.0
Oct	67.6	38.9	53.3	92	1927	2	61.0	1971	15+	1952	21	46.1	1988	379	15	.0	.0	30.1	.0	8.7	.0
Nov	55.7	30.8	43.3	85	1933	2	53.1	1985	-1	1958	30	35.4	1976	653	0	.0	.0	20.2	.4	16.8	.0
Dec	45.1	24.2	34.7	81	1982	4	44.6	1971	-22	1989	22	20.1	1989	940	0	.0	.0	11.3	4.3	23.4	.8
Ann	65.2	39.3	52.3	105	Jul 1934	26	77.4	Jul 1999	-31+	Jan 1994	19	16.8	Jan 1977	5386	783	.2	20.2	281.8	18.0	131.4	5.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1926-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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Station: SPENCER, WV

COOP ID: 468384

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 943 Feet** **Lat: 38°48N** **Lon: 81°22W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.50	3.21	2.03	1994	4	7.73	1978	1.22	2000	15.4	8.2	2.0	.5	1.19	1.52	2.00	2.41	2.80	3.21	3.65	4.17	4.83	5.86	6.80
Feb	3.21	2.95	2.10	2000	18	7.16	1989	.93	1977	12.9	7.2	2.1	.4	1.27	1.57	1.99	2.34	2.67	3.00	3.36	3.78	4.31	5.12	5.86
Mar	3.88	3.75	3.39	1997	2	10.48	1997	1.09	1971	13.7	8.5	2.8	.5	1.39	1.75	2.28	2.73	3.15	3.59	4.06	4.61	5.31	6.40	7.40
Apr	3.33	3.19	2.52	1939	16	5.85	1972	1.05	1971	14.0	8.1	2.0	.2	1.42	1.72	2.15	2.49	2.82	3.14	3.50	3.90	4.41	5.19	5.90
May	4.30	3.82	2.22	1967	7	9.00	1996	1.55	1977	13.4	9.2	3.3	.7	1.69	2.09	2.65	3.12	3.56	4.01	4.50	5.06	5.78	6.88	7.88
Jun	3.93	3.45	2.90	1953	17	10.36	1998	1.02	1988	11.7	8.3	2.9	.8	1.33	1.70	2.25	2.71	3.15	3.61	4.11	4.69	5.43	6.59	7.65
Jul	4.94	4.73	3.98	1996	31	9.50	1980	1.90	1974	12.0	8.5	3.7	1.1	1.96	2.42	3.06	3.60	4.11	4.62	5.18	5.82	6.64	7.89	9.02
Aug	4.08	3.96	3.50	1969	10	7.57	1980	1.73	1988	10.8	7.1	2.8	1.1	1.74	2.11	2.62	3.05	3.44	3.84	4.27	4.77	5.39	6.35	7.21
Sep	3.90	3.21	2.74	1996	7	10.92	1971	.70	1983	9.9	6.8	2.5	1.0	1.05	1.42	1.98	2.48	2.96	3.47	4.03	4.70	5.57	6.93	8.20
Oct	3.11	3.04	3.31	1985	21	6.61	1983	.53	1994	10.2	6.2	2.1	.6	.70	.99	1.44	1.85	2.26	2.70	3.19	3.77	4.54	5.76	6.92
Nov	3.69	3.54	2.60	1985	5	8.38	1985	1.24	1976	12.3	7.9	2.5	.7	1.44	1.78	2.27	2.67	3.06	3.44	3.86	4.35	4.97	5.92	6.78
Dec	3.48	2.95	2.64	1978	9	10.16	1978	1.48	1971	13.9	8.2	1.9	.6	1.32	1.65	2.11	2.50	2.86	3.24	3.64	4.11	4.71	5.63	6.47
Ann	45.35	44.29	3.98	Jul 1996	31	10.92	Sep 1971	.53	Oct 1994	150.2	94.2	30.6	8.2	34.05	36.29	39.13	41.26	43.15	44.96	46.83	48.88	51.35	54.92	57.99

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: SPENCER, WV **COOP ID: 468384**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 943 Feet** **Lat: 38°48N** **Lon: 81°22W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	10.3	6.1	2	1	12.0	1978	20	48.5	1978	24	1978	21	9	1978	6.0	3.7	1.1	.5	.1	9.6	5.9	3.2	1.2
Feb	7.8	5.0	1	#	10.0	1986	11	22.5	1979	14	1983	12	5	1985	4.4	2.4	1.0	.4	@	6.8	2.8	1.6	.2
Mar	4.5	3.4	#	#	11.0	1993	14	15.0	1993	15	1993	15	2	1993	2.0	1.5	.5	.1	@	3.0	1.0	.4	.1
Apr	.6	.0	#	0	7.0	1987	5	13.5	1987	14	1987	5	1	1987	.3	.1	.1	.1	.0	@	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	2000	9	#+	2000	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.6	.0	#	0	3.0	1971	25	3.5	1996	2	1996	22	#+	2000	.5	.3	@	.0	.0	.5	.0	.0	.0
Dec	3.4	2.3	#	#	3.7	1985	25	12.0	1989	6	1989	26	2	1989	2.4	1.6	.1	.0	.0	3.9	1.2	.1	.0
Ann	27.2	16.8	N/A	N/A	12.0	Jan 1978	20	48.5	Jan 1978	24	Jan 1978	21	9	Jan 1978	15.6	9.6	2.8	1.1	.1	23.8	10.9	5.3	1.5

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Station: SPENCER, WV **COOP ID: 468384**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 943 Feet** **Lat: 38˚48N** **Lon: 81˚22W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/25	5/21	5/17	5/14	5/10	5/05	4/29
32	5/24	5/18	5/14	5/11	5/08	5/04	5/01	4/27	4/21
28	5/11	5/06	5/02	4/29	4/26	4/23	4/20	4/16	4/11
24	4/23	4/18	4/14	4/11	4/08	4/05	4/02	3/29	3/24
20	4/14	4/09	4/05	4/02	3/30	3/27	3/24	3/20	3/15
16	4/09	4/01	3/26	3/21	3/16	3/12	3/07	3/01	2/21

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/15	9/20	9/23	9/26	9/29	10/02	10/05	10/09	10/13
32	9/24	9/29	10/02	10/05	10/08	10/11	10/14	10/17	10/22
28	10/02	10/08	10/12	10/15	10/18	10/22	10/25	10/29	11/03
24	10/15	10/21	10/26	10/30	11/02	11/06	11/10	11/14	11/20
20	10/21	10/27	10/31	11/04	11/08	11/11	11/15	11/20	11/26
16	11/05	11/13	11/18	11/23	11/27	12/01	12/05	12/11	12/18

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	157	149	144	139	134	130	125	119	111
32	172	166	161	157	153	149	145	140	133
28	195	188	183	179	175	171	167	162	155
24	233	224	218	213	208	203	197	191	182
20	244	236	231	226	222	218	213	208	201
16	284	274	267	260	255	249	242	235	225

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: SPENCER, WV **COOP ID: 468384**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 943 Feet** **Lat: 38˚48N** **Lon: 81˚22W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1081	899	718	416	185	27	4	13	71	379	653	940	5386
60	926	759	567	277	99	5	0	0	21	252	506	785	4197
57	833	675	480	203	61	2	0	0	9	190	423	697	3573
55	771	619	424	160	42	1	0	0	4	153	368	640	3182
50	627	488	293	77	13	0	0	0	1	82	246	497	2324
32	202	122	34	0	0	0	0	0	0	1	19	130	508

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	144	147	338	576	898	1118	1287	1230	984	660	356	213	7951
55	1	0	15	46	227	428	574	517	299	100	16	10	2233
57	0	0	10	29	184	369	512	455	243	74	10	5	1891
60	0	0	4	14	129	283	419	362	166	43	3	0	1423
65	0	0	0	2	60	154	268	219	65	15	0	0	783
70	0	0	0	0	21	61	133	107	15	3	0	0	340

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	45	72	188	385	668	890	1052	997	764	442	195	81	45	117	305	690	1358	2248	3300	4297	5061	5503	5698	5779
45	22	34	106	259	514	740	897	842	614	301	118	38	22	56	162	421	935	1675	2572	3414	4028	4329	4447	4485
50	10	15	59	162	372	590	742	687	466	182	60	18	10	25	84	246	618	1208	1950	2637	3103	3285	3345	3363
55	0	2	27	90	237	445	587	532	325	98	26	5	0	2	29	119	356	801	1388	1920	2245	2343	2369	2374
60	0	1	10	40	130	301	432	378	199	47	7	0	0	1	11	51	181	482	914	1292	1491	1538	1545	1545
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	35	59	149	274	442	593	711	669	502	301	136	53	35	94	243	517	959	1552	2263	2932	3434	3735	3871	3924

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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www.ncdc.noaa.gov

Station: SUMMERSVILLE LAKE, WV **COOP ID: 468614**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,760 Feet** **Lat: 38˚13N** **Lon: 80˚54W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.5	19.1	28.8	70+	1973	1	39.2	1974	-20	1985	21	13.8	1977	1123	0	.0	.0	7.5	9.8	26.0	2.7
Feb	42.4	20.6	31.5	78	1977	27	40.3	1990	-16+	1996	5	14.8	1978	939	0	.0	.0	9.3	7.1	23.5	1.7
Mar	51.4	28.0	39.7	83+	1973	15	46.1	1973	-9	1980	3	33.0	1971	785	0	.0	.0	17.6	2.8	20.1	.2
Apr	62.1	36.6	49.4	92	1986	29	54.6	1985	14	1982	7	44.5	1975	470	1	.0	.1	24.9	.2	10.1	.0
May	70.7	46.6	58.7	89+	1969	30	65.6	1991	27	1977	10	53.9	1997	228	31	.0	.0	30.5	.0	1.5	.0
Jun	77.7	55.2	66.5	93	1973	27	70.3	1984	33	1977	8	61.5	1972	54	97	.0	.5	29.9	.0	.0	.0
Jul	81.1	59.8	70.5	94+	1988	16	74.5	1986	41+	1983	8	66.2	1976	10	179	.0	1.8	31.0	.0	.0	.0
Aug	79.8	58.2	69.0	94+	1973	30	73.0	1995	39+	1986	29	64.4	1976	25	148	.0	1.0	31.0	.0	.0	.0
Sep	74.1	52.0	63.1	92+	1970	16	67.4	1978	32+	1983	24	57.7	1976	102	44	.0	.4	30.0	.0	.1	.0
Oct	63.7	39.9	51.8	86	1969	13	61.2	1984	15	1976	29	43.0	1976	425	16	.0	.0	28.2	.0	6.3	.0
Nov	53.0	31.5	42.3	80+	1975	7	52.7	1985	5	1977	27	31.5	1976	683	0	.0	.0	18.5	1.4	16.5	.0
Dec	42.9	23.9	33.4	75+	1982	3	42.4	1984	-16	1989	23	21.1	1989	980	0	.0	.0	10.5	6.5	24.5	.9
Ann	61.5	39.3	50.4	94+	Jul 1988	16	74.5	Jul 1986	-20	Jan 1985	21	13.8	Jan 1977	5824	516	.0	3.8	268.9	27.8	128.6	5.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1967-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: SUMMERSVILLE LAKE, WV

COOP ID: 468614

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,760 Feet** **Lat: 38°13N** **Lon: 80°54W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.63	3.55	2.65	1998	28	6.69	1994	.92	1993	16.6	8.8	2.1	.4	1.15	1.49	2.00	2.44	2.86	3.30	3.78	4.34	5.07	6.20	7.25
Feb	3.05	3.00	1.79	1970	15	5.58	1982	.85	1978	14.2	8.0	1.7	.3	1.24	1.52	1.92	2.24	2.55	2.86	3.19	3.58	4.07	4.82	5.50
Mar	3.90	3.41	1.78	1997	2	7.94	1994	2.05	1987	14.4	9.2	2.7	.5	1.73	2.08	2.56	2.96	3.32	3.70	4.09	4.55	5.12	6.00	6.78
Apr	3.79	3.80	1.93	1987	24	8.35	1987	1.28	1976	14.8	9.0	2.2	.6	1.49	1.84	2.34	2.75	3.14	3.54	3.97	4.47	5.10	6.07	6.96
May	4.77	5.19	2.93	1982	30	9.46	1996	1.44	1991	14.4	10.1	3.4	.9	2.03	2.46	3.06	3.56	4.03	4.50	5.00	5.58	6.32	7.44	8.46
Jun	4.44	3.43	2.45	2000	6	10.95	1995	.91	1999	12.7	9.0	2.7	.9	1.28	1.70	2.34	2.89	3.43	3.99	4.60	5.33	6.28	7.76	9.14
Jul	5.53	5.41	5.16	1986	2	9.29	1972	1.67	1995	12.7	8.9	4.0	1.6	2.72	3.19	3.83	4.34	4.82	5.29	5.80	6.37	7.09	8.17	9.14
Aug	4.71	4.29	2.49	1986	24	9.57	1989	1.84	1981	11.2	7.6	3.5	1.4	1.98	2.41	3.01	3.50	3.97	4.43	4.94	5.51	6.25	7.36	8.37
Sep	3.59	3.54	1.90	2000	26	8.29	1996	.60	1985	10.7	7.1	2.4	1.0	1.10	1.44	1.95	2.39	2.81	3.25	3.73	4.30	5.03	6.18	7.23
Oct	3.31	3.38	2.60	1976	9	8.67	1976	.94	1992	10.9	7.1	2.3	.6	1.01	1.33	1.80	2.20	2.59	3.00	3.44	3.96	4.64	5.69	6.67
Nov	3.27	3.18	3.39	1985	5	9.59	1985	1.12	1976	12.0	7.2	1.9	.4	1.13	1.44	1.89	2.27	2.63	3.01	3.41	3.89	4.50	5.44	6.30
Dec	3.49	2.85	2.64	1991	3	8.55	1991	1.31	1980	14.5	8.1	2.0	.6	1.35	1.68	2.14	2.52	2.88	3.25	3.65	4.11	4.70	5.60	6.43
Ann	47.48	47.80	5.16	Jul 1986	2	10.95	Jun 1995	.60	Sep 1985	159.1	100.1	30.9	9.2	36.41	38.62	41.41	43.50	45.35	47.12	48.93	50.93	53.33	56.78	59.74

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1967-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: SUMMERSVILLE LAKE, WV **COOP ID: 468614**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,760 Feet** **Lat: 38°13N** **Lon: 80°54W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	12.9	11.1	2	2	14.0	1971	1	33.1	1985	17	1996	9	9	1977	7.3	6.0	1.8	.6	.2	11.5	6.8	4.3	1.0
Feb	9.4	7.5	2	1	10.0	1983	11	25.0	1985	12+	1985	14	7	1974	4.7	4.0	1.3	.4	.1	9.4	5.0	2.6	.3
Mar	4.8	4.8	1	#	15.0	1993	14	15.0	1993	18	1993	14	3	1993	2.6	2.3	.7	.2	@	4.0	1.6	.8	.2
Apr	1.5	.0	#	#	10.0	1987	4	20.0	1987	13	1987	5	2	1987	.8	.7	.2	.1	@	.9	.2	.1	.1
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	3.0	1993	31	3.0	1993	3	1993	31	#+	1993	.1	.1	@	.0	.0	.1	@	.0	.0
Nov	1.3	.9	#	#	8.0	1995	15	8.0	1995	10	1995	16	2	1995	1.3	.9	.2	@	.0	1.6	.4	.2	@
Dec	5.5	5.2	1	1	6.0	1995	7	16.0	1976	9	1997	31	3	1989	3.9	3.3	.8	.1	.0	6.2	2.4	.7	.0
Ann	35.6	29.5	N/A	N/A	15.0	Mar 1993	14	33.1	Jan 1985	18	Mar 1993	14	9	Jan 1977	20.7	17.3	5.0	1.4	.3	33.7	16.4	8.7	1.6

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: SUMMERSVILLE LAKE, WV **COOP ID: 468614**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,760 Feet** **Lat: 38˚13N** **Lon: 80˚54W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/31	5/25	5/20	5/17	5/13	5/10	5/06	5/02	4/26
32	5/14	5/11	5/08	5/05	5/03	5/01	4/28	4/25	4/21
28	5/03	4/28	4/25	4/21	4/19	4/16	4/12	4/09	4/04
24	4/17	4/13	4/09	4/06	4/03	4/01	3/29	3/25	3/20
20	4/06	3/31	3/27	3/24	3/21	3/18	3/14	3/10	3/05
16	3/27	3/19	3/14	3/09	3/05	2/28	2/24	2/18	2/10

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	9/30	10/03	10/05	10/07	10/09	10/12	10/16
32	9/29	10/04	10/08	10/10	10/13	10/16	10/19	10/22	10/27
28	10/09	10/15	10/19	10/23	10/26	10/30	11/03	11/07	11/13
24	10/18	10/25	10/30	11/03	11/07	11/11	11/15	11/20	11/27
20	10/31	11/08	11/13	11/18	11/23	11/28	12/03	12/08	12/16
16	11/07	11/15	11/21	11/26	11/30	12/05	12/10	12/16	12/24

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	165	158	153	148	144	140	135	130	122
32	178	172	169	165	162	159	156	152	147
28	215	206	200	195	190	185	180	174	165
24	243	234	228	222	217	212	206	200	191
20	277	266	259	252	246	240	234	226	216
16	300	290	282	276	270	264	258	250	240

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: SUMMERSVILLE LAKE, WV **COOP ID: 468614**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 1,760 Feet** **Lat: 38˚13N** **Lon: 80˚54W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1123	939	785	470	228	54	10	25	102	425	683	980	5824
60	968	799	630	326	125	14	0	4	37	296	537	825	4561
57	875	715	543	246	79	5	0	0	17	231	453	732	3896
55	822	660	485	198	55	2	0	0	10	193	399	679	3503
50	675	531	347	102	18	0	0	0	2	114	273	534	2596
32	253	162	50	1	0	0	0	0	0	5	26	152	649

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	154	147	289	521	826	1033	1192	1147	932	619	333	195	7388
55	9	1	10	29	168	345	479	434	252	94	15	9	1845
57	0	0	6	17	130	287	417	372	199	70	10	0	1508
60	0	0	0	6	83	206	324	282	129	42	4	0	1076
65	0	0	0	1	31	97	179	148	44	16	0	0	516
70	0	0	0	0	8	29	72	59	8	4	0	0	180

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	41	59	163	342	599	805	959	919	711	404	185	67	41	100	263	605	1204	2009	2968	3887	4598	5002	5187	5254
45	14	25	87	227	447	655	804	764	561	269	104	33	14	39	126	353	800	1455	2259	3023	3584	3853	3957	3990
50	3	7	41	134	303	506	649	609	413	160	52	14	3	10	51	185	488	994	1643	2252	2665	2825	2877	2891
55	0	0	16	69	180	362	494	455	274	78	18	0	0	0	16	85	265	627	1121	1576	1850	1928	1946	1946
60	0	0	3	27	91	221	339	300	158	32	3	0	0	0	3	30	121	342	681	981	1139	1171	1174	1174
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	47	114	223	366	516	646	607	446	250	117	46	29	76	190	413	779	1295	1941	2548	2994	3244	3361	3407

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: SUTTON LAKE, WV **COOP ID: 468662**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 835 Feet** **Lat: 38˚39N** **Lon: 80˚42W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	43.0	21.3	32.2	77	1999	24	42.1	1974	-24	1994	19	19.3	1977	1019	0	.0	.0	8.3	6.2	28.0	.7
Feb	47.0	22.7	34.9	81	2000	27	42.3	1990	-10+	1968	22	22.1	1978	844	0	.0	.0	10.4	4.1	25.5	.4
Mar	57.0	29.6	43.3	90	1989	29	49.9	1973	-7	1980	3	37.5	1999	672	0	.0	@	20.2	1.0	20.5	.2
Apr	68.1	37.7	52.9	92	1996	30	57.4	1999	19	1991	1	48.6	1975	366	2	.0	.2	27.1	@	9.5	.0
May	76.4	48.0	62.2	95	1991	30	69.5	1991	30+	1989	8	56.6	1997	158	71	.0	1.3	30.9	.0	1.2	.0
Jun	84.2	57.3	70.8	101+	1988	23	73.7	1971	38+	1988	6	65.8	1992	16	188	.1	3.9	30.0	.0	.1	.0
Jul	88.2	61.7	75.0	107	1988	17	79.0	1993	42	1988	1	71.5	1971	0	308	.4	8.1	31.0	.0	.0	.0
Aug	86.8	60.7	73.8	104	1988	18	78.6	1995	42	1992	31	69.7	1992	5	276	.3	5.9	31.0	.0	.0	.0
Sep	81.1	54.1	67.6	98	1993	1	71.1+	1980	36	1991	28	64.7	1976	36	115	.0	2.1	30.0	.0	.1	.0
Oct	70.5	41.4	56.0	89+	1997	9	63.5	1971	22+	1988	27	48.9	1988	300	20	.0	.0	29.6	.0	9.4	.0
Nov	58.6	32.3	45.5	86	1999	2	53.0	1985	12+	1991	5	37.8	1976	586	0	.0	.0	20.4	.2	16.8	.0
Dec	47.7	25.5	36.6	78+	1998	1	44.2	1984	-10	1989	22	23.7	1989	881	0	.0	.0	12.3	3.7	23.9	.5
Ann	67.4	41.0	54.2	107	Jul 1988	17	79.0	Jul 1993	-24	Jan 1994	19	19.3	Jan 1977	4883	980	.8	21.5	281.2	15.2	135.0	1.8

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Station: SUTTON LAKE, WV

COOP ID: 468662

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 835 Feet** **Lat: 38°39N** **Lon: 80°42W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.59	3.26	2.22	1998	28	6.59	1996	.97	1986	16.2	9.7	2.0	.4	1.08	1.42	1.93	2.37	2.80	3.24	3.73	4.30	5.04	6.20	7.27
Feb	3.21	2.95	2.25	1994	9	6.48	1986	.94	1978	13.2	8.0	1.7	.3	1.24	1.53	1.96	2.31	2.65	2.99	3.36	3.79	4.34	5.17	5.94
Mar	4.10	4.05	2.22	1997	2	9.13	1997	1.72	1987	14.0	9.3	2.4	.8	1.71	2.09	2.61	3.04	3.45	3.86	4.30	4.81	5.45	6.43	7.32
Apr	3.83	3.76	2.10	1989	26	8.07	1973	1.21	1971	14.5	9.2	2.3	.6	1.57	1.92	2.41	2.82	3.21	3.59	4.01	4.50	5.11	6.05	6.90
May	4.71	4.62	2.77	2001	19	9.56	1996	1.45	1977	14.2	9.4	3.3	.9	1.94	2.37	2.98	3.48	3.95	4.43	4.94	5.53	6.28	7.43	8.47
Jun	4.99	4.47	2.35	1975	16	11.07	1998	1.03	1988	12.6	9.2	3.8	1.1	1.55	2.03	2.73	3.34	3.92	4.53	5.19	5.97	6.98	8.55	10.01
Jul	5.53	5.49	3.49	1996	31	11.07	1992	1.91	1987	12.8	9.3	4.3	1.4	2.20	2.71	3.44	4.04	4.60	5.18	5.80	6.51	7.42	8.82	10.09
Aug	4.69	4.36	2.90	1990	22	8.57	1989	1.73	1981	11.5	7.9	3.5	1.3	1.81	2.24	2.87	3.38	3.87	4.37	4.91	5.54	6.33	7.55	8.67
Sep	3.92	3.10	3.43	1971	13	12.03	1971	.67	1985	11.3	6.8	2.6	1.0	1.21	1.58	2.13	2.61	3.07	3.55	4.08	4.70	5.50	6.75	7.91
Oct	3.12	3.22	3.20	1954	16	6.73	1976	.77	2000	10.8	6.8	2.0	.5	.95	1.24	1.69	2.07	2.44	2.82	3.24	3.74	4.38	5.39	6.31
Nov	3.90	3.75	4.38	1985	5	12.77	1985	1.38	1981	12.8	8.4	2.4	.9	1.41	1.77	2.30	2.75	3.17	3.60	4.07	4.62	5.32	6.40	7.39
Dec	3.74	3.27	2.56	1991	3	7.96	1991	1.67	1971	14.8	8.5	2.1	.6	1.51	1.85	2.34	2.74	3.12	3.51	3.92	4.40	5.01	5.94	6.78
Ann	49.33	48.54	4.38	Nov 1985	5	12.77	Nov 1985	.67	Sep 1985	158.7	102.5	32.4	9.8	37.49	39.84	42.83	45.07	47.05	48.95	50.90	53.04	55.62	59.34	62.53

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
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Climatography of the United States No. 20 1971-2000

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Station: SUTTON LAKE, WV **COOP ID: 468662**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 835 Feet** **Lat: 38°39N** **Lon: 80°42W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.8	8.0	2	1	9.5	1994	18	29.2	1978	17	1996	12	6	1978	5.7	4.5	1.0	.4	.0	9.1	5.7	3.5	.3
Feb	5.7	4.0	1	#	8.0	1971	14	17.0	1979	11	1985	15	6	1978	3.0	2.5	.6	.2	.0	5.2	3.3	2.1	@
Mar	3.4	2.2	#	#	8.0	1999	4	16.0	1971	20	1993	14	2	1993	1.6	1.2	.4	.2	.0	1.9	.9	.4	@
Apr	.6	.0	#	0	8.5	1987	4	12.2	1987	12	1987	5	1	1987	.2	.2	.1	@	.0	.2	.1	.1	@
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1972	19	#	1972	1	1993	31	#	1993	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.9	.0	#	0	5.5	1995	15	8.0	1976	6	1995	15	1	1995	.8	.5	.1	@	.0	.6	@	@	.0
Dec	2.8	2.0	#	#	4.0	1997	30	12.3	1993	8	1997	31	2	1989	2.5	2.1	.4	.0	.0	3.0	.6	.1	.0
Ann	23.2	16.2	N/A	N/A	9.5	Jan 1994	18	29.2	Jan 1978	20	Mar 1993	14	6+	Feb 1978	13.8	11.0	2.6	.8	.0	20.0	10.6	6.2	.3

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 835 Feet** **Lat: 38˚39N** **Lon: 80˚42W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/28	5/23	5/19	5/15	5/12	5/09	5/06	5/02	4/27
32	5/21	5/15	5/11	5/08	5/04	5/01	4/28	4/23	4/18
28	5/01	4/26	4/22	4/19	4/16	4/13	4/10	4/07	4/02
24	4/21	4/15	4/11	4/08	4/05	4/02	3/30	3/26	3/20
20	4/09	4/03	3/30	3/26	3/23	3/20	3/16	3/12	3/06
16	4/04	3/22	3/12	3/04	2/25	2/18	2/10	1/31	1/18

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	9/30	10/03	10/05	10/07	10/09	10/12	10/15
32	9/29	10/03	10/07	10/09	10/12	10/14	10/17	10/20	10/24
28	10/06	10/12	10/17	10/20	10/24	10/27	10/31	11/05	11/11
24	10/14	10/21	10/25	10/29	11/02	11/06	11/10	11/15	11/21
20	10/25	11/02	11/08	11/13	11/18	11/22	11/28	12/04	12/12
16	11/07	11/16	11/22	11/27	12/02	12/07	12/12	12/18	12/27

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	164	157	152	148	145	141	137	132	125
32	183	175	169	164	160	155	150	144	136
28	218	208	201	196	190	185	179	172	162
24	239	229	222	216	210	205	198	191	181
20	272	261	252	245	239	232	225	217	206
16	326	310	298	289	279	270	260	249	233

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 835 Feet** **Lat: 38˚39N** **Lon: 80˚42W**

Degree Days to Selected Base Temperatures (˚F)

Heating Degree Days (1)

Base Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1019	844	672	366	158	16	0	5	36	300	586	881	4883
60	864	704	518	228	79	3	0	0	8	184	439	726	3753
57	771	620	432	157	46	1	0	0	3	129	356	640	3155
55	710	566	375	116	30	0	0	0	1	99	303	582	2782
50	567	436	247	44	8	0	0	0	0	44	187	441	1974
32	162	95	19	0	0	0	0	0	0	0	7	97	380

Cooling Degree Days (1)

Base Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	166	175	369	627	936	1162	1331	1294	1069	743	412	238	8522
55	1	2	13	53	253	472	618	581	380	128	17	11	2529
57	0	0	8	33	207	412	556	519	321	96	11	7	2170
60	0	0	1	15	147	324	463	426	237	59	3	0	1675
65	0	0	0	2	71	188	308	276	115	20	0	0	980
70	0	0	0	0	26	82	166	144	36	4	0	0	458

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	31	45	178	390	672	890	1055	1024	796	423	198	76	31	76	254	644	1316	2206	3261	4285	5081	5504	5702	5778
45	12	16	100	258	519	740	900	869	646	279	115	35	12	28	128	386	905	1645	2545	3414	4060	4339	4454	4489
50	4	4	48	158	370	591	745	714	496	162	54	14	4	8	56	214	584	1175	1920	2634	3130	3292	3346	3360
55	0	1	21	85	239	442	590	559	350	78	19	0	0	1	22	107	346	788	1378	1937	2287	2365	2384	2384
60	0	0	6	36	128	298	436	405	222	27	3	0	0	0	6	42	170	468	904	1309	1531	1558	1561	1561
Base	**Growing Degree Units for Corn (Monthly)**												**Growing Degree Units for Corn (Accumulated Monthly)**											
50/86	35	54	142	271	432	582	711	686	514	301	145	56	35	89	231	502	934	1516	2227	2913	3427	3728	3873	3929

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: TERRA ALTA NO 1, WV **COOP ID: 468777**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,630 Feet** **Lat: 39˚27N** **Lon: 79˚33W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	34.1	18.5	26.3	72	1950	25	35.2	1990	-25	1985	21	12.2	1977	1201	0	.0	.0	3.6	14.0	27.7	2.7
Feb	37.7	20.5	29.1	69	1999	11	37.5	1990	-12	1996	4	18.4	1978	1006	0	.0	.0	5.7	10.1	23.6	1.7
Mar	47.2	27.8	37.5	81	1998	31	43.6	1973	-9	1966	9	30.5	1984	852	0	.0	.0	13.5	4.7	20.7	.2
Apr	58.3	36.8	47.6	88	1976	18	53.5	1994	9	1950	14	42.3	1975	524	0	.0	.0	22.9	.5	10.9	.0
May	66.9	46.6	56.8	88+	1974	15	63.7	1991	17	1966	11	51.7	1971	279	23	.0	.0	29.7	.0	1.4	.0
Jun	73.9	54.6	64.3	89	1966	28	67.6	1994	27+	1966	1	57.7	1972	87	63	.0	.0	29.9	.0	.0	.0
Jul	77.0	59.4	68.2	95	1988	16	72.4	1999	39	1988	1	65.0	1976	24	123	.0	.2	31.0	.0	.0	.0
Aug	75.8	58.1	67.0	94	1988	17	72.1	1988	34	1986	29	64.1	1976	41	102	.0	.4	31.0	.0	.0	.0
Sep	70.0	52.1	61.1	87+	1965	11	65.1	1971	28+	1949	25	58.0	1974	140	21	.0	.0	29.7	.0	.3	.0
Oct	60.1	41.3	50.7	82	1949	10	59.3	1984	8	1965	30	43.9	1988	448	6	.0	.0	26.7	@	5.4	.0
Nov	48.6	32.4	40.5	78	1948	6	47.1	1985	-1	1950	26	32.3	1976	734	0	.0	.0	14.7	3.5	16.4	.0
Dec	38.8	23.6	31.2	72+	1966	10	40.1	1984	-22	1983	25	18.1	1989	1048	0	.0	.0	6.4	9.9	25.0	1.0
Ann	57.4	39.3	48.4	95	Jul 1988	16	72.4	Jul 1999	-25	Jan 1985	21	12.2	Jan 1977	6384	338	.0	.6	244.8	42.7	131.4	5.6

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Issue Date: February 2004

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COOP ID: 468777

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,630 Feet** **Lat: 39°27N** **Lon: 79°33W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	4.64	4.69	1.70	1974	11	7.52	1978	1.41	1973	19.1	12.1	2.7	.6	1.99	2.41	2.99	3.47	3.92	4.37	4.86	5.42	6.13	7.21	8.19
Feb	4.11	4.11	3.35	1994	9	7.42	1994	1.53	1978	16.4	10.6	2.5	.4	2.02	2.37	2.85	3.23	3.58	3.93	4.31	4.74	5.27	6.07	6.79
Mar	4.90	5.10	1.68+	1967	7	8.45	1994	1.99	1987	16.1	11.2	3.4	.8	2.39	2.81	3.38	3.84	4.26	4.68	5.13	5.65	6.29	7.25	8.12
Apr	4.80	4.73	2.00	1984	5	7.28	1973	1.31	1971	15.6	10.9	3.3	.7	2.45	2.85	3.39	3.82	4.22	4.62	5.04	5.51	6.11	7.00	7.80
May	4.92	5.26	2.81	1968	24	10.89	1996	1.24	1991	14.8	10.5	3.1	.9	2.02	2.47	3.11	3.63	4.12	4.62	5.16	5.77	6.56	7.76	8.85
Jun	5.22	4.70	2.80	1972	23	10.51	1972	1.80	1988	13.6	9.7	3.6	1.2	1.95	2.44	3.14	3.73	4.28	4.85	5.47	6.18	7.09	8.50	9.78
Jul	5.97	4.97	3.85	1982	4	11.13	1996	2.67	1991	13.2	9.5	4.2	1.6	2.43	2.98	3.75	4.39	4.99	5.60	6.25	7.01	7.97	9.44	10.77
Aug	4.67	4.10	3.12	1987	23	10.73	1975	1.26	1973	12.6	8.7	3.2	1.1	1.76	2.19	2.82	3.34	3.83	4.34	4.88	5.52	6.33	7.57	8.70
Sep	3.96	3.71	3.13	1996	7	9.10	1993	.74	1985	11.7	7.9	3.0	.6	1.16	1.54	2.10	2.59	3.07	3.56	4.11	4.75	5.58	6.88	8.09
Oct	3.49	3.62	2.28	1985	21	8.00	1976	1.22	2000	11.8	7.8	2.4	.7	1.12	1.45	1.94	2.36	2.76	3.18	3.64	4.18	4.87	5.94	6.94
Nov	4.45	4.19	2.95	1985	5	12.28	1985	.91	1998	14.9	10.1	2.9	.8	1.67	2.09	2.68	3.18	3.65	4.13	4.65	5.26	6.03	7.22	8.30
Dec	4.69	4.50	1.96	1978	9	9.16	1990	2.59	1980	18.5	11.5	3.0	.7	2.49	2.87	3.38	3.79	4.16	4.53	4.92	5.36	5.91	6.73	7.46
Ann	55.82	55.49	3.85	Jul 1982	4	12.28	Nov 1985	.74	Sep 1985	178.3	120.5	37.3	10.1	44.22	46.56	49.50	51.70	53.64	55.48	57.37	59.44	61.93	65.48	68.52

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
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Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	42.2	41.8	6	4	24.0	1996	8	104.0	1977	36	1977	30	24	1977	13.6	12.4	6.2	2.9	.6	20.7	16.1	12.2	5.8
Feb	30.2	29.5	7	4	12.0	1979	8	49.0	1993	36+	1979	19	27	1979	10.4	9.3	4.5	2.2	.3	18.5	14.2	12.0	6.2
Mar	26.0	22.0	3	2	24.0	1999	4	93.1	1999	32	1978	5	18	1978	8.3	7.6	3.7	1.7	.3	11.1	7.0	4.7	2.1
Apr	12.3	10.0	#	#	12.0	1986	10	38.0	1990	11	1987	6	2	1987	4.3	3.7	1.7	1.0	.1	2.6	1.3	.7	.1
May	.3	.0	#	0	3.0	1989	8	5.5	1989	#+	1996	13	#+	1996	.2	.1	@	.0	.0	.0	.0	.0	.0
Jun	.0	.0	#	0	.0	0	0	.0	0	#	1996	12	#	1996	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	1.8	1.0	#	#	6.0	1980	26	11.0	1979	3	1980	26	#+	2000	.9	.8	.3	@	.0	.3	@	.0	.0
Nov	12.8	14.0	1	#	27.0	1995	15	27.0	1995	20	1995	16	6	1995	5.6	4.9	2.3	.8	.1	5.4	3.1	1.1	.2
Dec	26.6	24.5	3	2	20.0	1974	2	51.9	1992	24	1974	3	11	1974	10.4	9.2	4.2	1.9	.2	15.2	10.0	6.8	2.0
Ann	152.2	142.8	N/A	N/A	27.0	Nov 1995	15	104.0	Jan 1977	36+	Feb 1979	19	27	Feb 1979	53.7	48.0	22.9	10.5	1.6	73.8	51.7	37.5	16.4

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: TERRA ALTA NO 1, WV **COOP ID: 468777**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,630 Feet** **Lat: 39˚27N** **Lon: 79˚33W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/08	6/01	5/26	5/22	5/18	5/14	5/10	5/05	4/28
32	5/15	5/12	5/09	5/07	5/06	5/04	5/02	4/29	4/26
28	5/07	5/02	4/28	4/25	4/22	4/18	4/15	4/11	4/06
24	4/24	4/20	4/17	4/14	4/12	4/10	4/07	4/04	3/31
20	4/18	4/13	4/10	4/08	4/05	4/03	3/31	3/28	3/24
16	4/09	4/04	4/01	3/28	3/26	3/23	3/19	3/16	3/11

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/11	9/17	9/20	9/23	9/26	9/29	10/02	10/06	10/11
32	9/24	9/29	10/02	10/06	10/09	10/12	10/15	10/19	10/24
28	10/04	10/10	10/14	10/18	10/21	10/25	10/28	11/02	11/08
24	10/18	10/24	10/28	10/31	11/03	11/06	11/10	11/14	11/20
20	10/30	11/04	11/08	11/12	11/15	11/18	11/21	11/25	12/01
16	11/10	11/15	11/20	11/23	11/27	11/30	12/04	12/08	12/14

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	153	145	140	135	130	126	121	115	108
32	173	167	163	159	155	152	148	144	138
28	210	200	193	188	182	177	171	164	155
24	225	218	213	208	204	200	196	191	184
20	244	237	232	227	223	218	214	209	201
16	270	261	255	250	246	241	236	230	222

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: TERRA ALTA NO 1, WV **COOP ID: 468777**

Climate Division: WV 4 **NWS Call Sign:** **Elevation: 2,630 Feet** **Lat: 39˚27N** **Lon: 79˚33W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1201	1006	852	524	279	87	24	41	140	448	734	1048	6384
60	1046	866	697	377	167	28	3	7	53	310	585	893	5032
57	953	782	604	293	114	11	0	1	25	237	497	800	4317
55	891	726	545	241	85	6	0	0	14	194	442	743	3887
50	739	586	402	132	33	1	0	0	2	108	308	598	2909
32	271	174	62	1	0	0	0	0	0	2	32	191	733

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	93	92	233	467	767	967	1122	1084	872	582	288	166	6733
55	0	0	3	18	139	283	409	371	195	61	8	5	1492
57	0	0	0	9	107	228	347	309	147	42	3	0	1192
60	0	0	0	3	66	155	257	223	85	22	1	0	812
65	0	0	0	0	23	63	123	102	21	6	0	0	338
70	0	0	0	0	6	15	39	30	2	0	0	0	92

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	26	36	122	279	539	743	892	854	640	354	146	46	26	62	184	463	1002	1745	2637	3491	4131	4485	4631	4677
45	5	14	70	175	389	593	737	699	492	227	78	23	5	19	89	264	653	1246	1983	2682	3174	3401	3479	3502
50	0	4	32	103	258	445	582	544	345	122	38	4	0	4	36	139	397	842	1424	1968	2313	2435	2473	2477
55	0	0	12	51	149	306	427	389	213	54	10	0	0	0	12	63	212	518	945	1334	1547	1601	1611	1611
60	0	0	4	16	68	174	274	239	106	10	0	0	0	0	4	20	88	262	536	775	881	891	891	891
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	10	20	74	169	309	463	584	550	378	196	76	23	10	30	104	273	582	1045	1629	2179	2557	2753	2829	2852

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: UNION 3 SSE, WV **COOP ID: 469011**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,110 Feet** **Lat: 37˚33N** **Lon: 80˚32W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.1	18.9	29.5	75	1950	27	40.6	1974	-23	1987	27	16.4	1977	1100	0	.0	.0	7.7	7.4	26.2	1.9
Feb	44.1	20.9	32.5	74+	1954	16	40.8	1990	-26	1996	6	22.1	1978	911	0	.0	.0	10.6	5.1	22.8	.6
Mar	53.2	28.0	40.6	83+	1954	26	47.2	1973	-11	1993	15	34.8+	1999	756	0	.0	.0	20.1	1.1	18.7	.1
Apr	63.2	35.7	49.5	88+	1985	22	53.4	1977	11	1985	10	44.6	1997	467	0	.0	.0	26.5	@	9.7	.0
May	72.3	45.0	58.7	90+	1996	20	64.7	1991	21	1986	4	53.1	1997	222	25	.0	.1	30.8	.0	2.6	.0
Jun	79.6	53.6	66.6	95	1952	28	69.4	2000	31+	1966	2	61.7	1972	43	92	.0	.4	30.0	.0	.1	.0
Jul	83.5	58.0	70.8	101	1954	15	74.2	1993	36+	1961	10	67.4	1976	6	183	.0	2.0	31.0	.0	.0	.0
Aug	82.0	56.3	69.2	97	1953	30	72.7	1987	35+	1965	30	66.4	1997	14	142	.0	1.5	31.0	.0	.0	.0
Sep	75.5	49.1	62.3	100	1953	2	66.0	1973	24	1983	24	58.9	1984	116	35	.0	.4	30.0	.0	.7	.0
Oct	65.6	36.5	51.1	94	1953	1	59.5	1984	8	1962	27	45.1	1988	435	3	.0	.0	29.4	.0	9.4	.0
Nov	54.4	28.5	41.5	82	1982	1	49.7	1985	1	1950	25	33.8	1976	706	0	.0	.0	19.9	.5	17.5	.0
Dec	44.2	22.2	33.2	74	2001	6	40.9	1984	-22	1989	23	21.2	1989	985	0	.0	.0	10.7	4.7	24.3	.8
Ann	63.1	37.7	50.5	101	Jul 1954	15	74.2	Jul 1993	-26	Feb 1996	6	16.4	Jan 1977	5761	480	.0	4.4	277.7	18.8	132.0	3.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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Station: UNION 3 SSE, WV

COOP ID: 469011

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,110 Feet** **Lat: 37˚33N** **Lon: 80˚32W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.58	2.46	2.21	1998	28	5.82	1998	.40	1981	10.5	5.9	1.6	.3	.72	.96	1.33	1.66	1.98	2.31	2.68	3.11	3.67	4.56	5.39
Feb	2.48	2.25	1.76	1984	24	4.75	1972	.62	1977	10.3	6.0	1.6	.3	.80	1.04	1.38	1.68	1.96	2.26	2.58	2.96	3.44	4.20	4.90
Mar	3.18	3.14	2.92	1963	12	6.16	1991	1.11	1988	11.3	7.1	2.0	.6	1.23	1.52	1.95	2.29	2.63	2.96	3.33	3.75	4.29	5.11	5.86
Apr	3.24	3.04	2.56	1987	25	8.06	1987	.71	1976	12.2	7.2	1.9	.7	1.15	1.45	1.89	2.27	2.62	2.99	3.38	3.85	4.44	5.35	6.19
May	4.02	3.95	2.34	1996	25	7.80	1998	1.69+	1987	13.7	8.5	3.1	.6	1.83	2.19	2.68	3.07	3.44	3.82	4.21	4.67	5.24	6.11	6.89
Jun	3.36	3.17	2.41	1951	28	7.15	1995	1.01	1999	11.9	6.8	2.3	.8	1.34	1.65	2.09	2.45	2.79	3.14	3.52	3.95	4.50	5.34	6.11
Jul	3.62	3.46	4.10	1954	19	7.16	1978	1.08	1996	12.3	7.7	2.4	.8	1.73	2.04	2.47	2.82	3.14	3.46	3.80	4.19	4.68	5.41	6.08
Aug	3.12	3.13	2.95	1998	17	6.40	1985	.74	1995	10.7	6.7	2.0	.5	.94	1.23	1.68	2.06	2.43	2.82	3.25	3.75	4.40	5.41	6.35
Sep	3.14	2.98	2.85	1966	14	6.39	1989	.49+	1998	10.3	6.0	2.0	.8	.62	.90	1.37	1.79	2.22	2.68	3.20	3.83	4.66	5.99	7.26
Oct	2.53	2.39	2.90	1954	16	5.15	1976	.08	2000	8.7	5.1	1.6	.6	.42	.64	1.01	1.36	1.72	2.10	2.55	3.09	3.80	4.97	6.08
Nov	2.55	2.36	3.05	1985	5	6.74	1985	.97+	1981	9.3	5.6	2.0	.4	.83	1.07	1.43	1.73	2.02	2.33	2.66	3.05	3.55	4.33	5.04
Dec	2.29	2.12	1.90	1990	28	4.60	1990	.32	1985	9.7	5.4	1.5	.2	.49	.70	1.04	1.34	1.65	1.97	2.34	2.78	3.36	4.29	5.17
Ann	36.11	36.26	4.10	Jul 1954	19	8.06	Apr 1987	.08	Oct 2000	130.9	78.0	24.0	6.6	28.87	30.33	32.18	33.55	34.76	35.91	37.09	38.38	39.92	42.13	44.02

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

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Station: UNION 3 SSE, WV **COOP ID: 469011**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,110 Feet** **Lat: 37°33N** **Lon: 80°32W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.0	6.4	1	1	13.9	1998	28	30.6	1996	21	1996	8	5+	1996	4.3	2.3	.6	.3	.1	8.1	3.0	1.3	.6
Feb	6.5	4.6	1	#	9.9	1983	11	22.9	1996	11+	1996	5	4	1987	3.0	1.9	.6	.3	.0	6.3	3.5	1.7	.2
Mar	4.4	1.7	#	#	10.9	1999	15	24.6	1999	16	1993	14	3	1993	1.8	1.1	.4	.3	@	2.1	.6	.4	@
Apr	1.1	.0	#	0	12.0	1971	7	12.0	1971	12	1971	7	1	1987	.4	.3	.1	@	@	.5	.3	.2	.1
May	#	.0	0	0	#	1989	8	#	1989	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.2	.0	#	0	2.8	1979	10	2.8	1979	3	1979	10	#+	1993	.1	.1	.0	.0	.0	.1	@	.0	.0
Nov	1.1	.0	#	#	4.5	1971	25	8.5	1971	5	1971	25	#+	2000	.7	.5	.1	.0	.0	.8	.3	@	.0
Dec	4.1	2.8	1	#	10.7	1982	12	14.8	1997	13	1997	31	5	1989	2.3	1.2	.4	.2	.1	3.7	2.2	1.2	.1
Ann	25.4	15.5	N/A	N/A	13.9	Jan 1998	28	30.6	Jan 1996	21	Jan 1996	8	5+	Jan 1996	12.6	7.4	2.2	1.1	.2	21.6	9.9	4.8	1.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/13	6/06	6/01	5/27	5/23	5/19	5/15	5/10	5/03
32	5/27	5/22	5/18	5/15	5/12	5/09	5/06	5/02	4/26
28	5/15	5/10	5/06	5/03	4/30	4/27	4/24	4/20	4/15
24	4/30	4/24	4/21	4/18	4/15	4/12	4/09	4/05	3/31
20	4/17	4/12	4/08	4/05	4/02	3/30	3/26	3/22	3/17
16	4/01	3/26	3/21	3/17	3/13	3/10	3/06	3/01	2/23

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/10	9/15	9/18	9/21	9/24	9/27	9/30	10/03	10/08
32	9/20	9/23	9/26	9/29	10/01	10/03	10/06	10/08	10/12
28	9/30	10/04	10/07	10/09	10/11	10/14	10/16	10/19	10/23
24	10/05	10/11	10/15	10/19	10/23	10/26	10/30	11/03	11/09
20	10/15	10/21	10/25	10/29	11/01	11/05	11/08	11/12	11/18
16	10/30	11/05	11/10	11/14	11/17	11/21	11/25	11/29	12/06

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	145	138	132	127	123	119	114	109	101
32	160	154	149	145	141	138	134	129	123
28	182	176	171	167	164	160	156	152	146
24	216	207	201	195	190	185	179	173	164
20	230	224	220	216	213	209	206	201	196
16	277	267	260	254	248	242	236	229	219

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Climate Division: WV 5 **NWS Call Sign:** **Elevation: 2,110 Feet** **Lat: 37˚33N** **Lon: 80˚32W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1100	911	756	467	222	43	6	14	116	435	706	985	5761
60	945	771	601	320	117	9	0	1	42	294	556	830	4486
57	852	687	511	237	71	3	0	0	19	220	468	737	3805
55	790	631	453	187	48	1	0	0	10	176	411	675	3382
50	645	493	315	86	13	0	0	0	2	91	276	529	2450
32	210	113	31	0	0	0	0	0	0	0	17	126	497

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	133	126	298	523	826	1039	1201	1151	910	592	301	163	7263
55	0	0	7	19	161	350	488	438	230	55	4	0	1752
57	0	0	3	10	122	292	426	376	179	36	2	0	1446
60	0	0	0	3	75	208	333	283	112	17	0	0	1031
65	0	0	0	0	25	92	183	142	35	3	0	0	480
70	0	0	0	0	6	24	68	46	5	0	0	0	149

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	40	58	173	344	606	815	966	923	702	391	169	67	40	98	271	615	1221	2036	3002	3925	4627	5018	5187	5254
45	11	23	94	223	452	665	811	768	552	257	91	30	11	34	128	351	803	1468	2279	3047	3599	3856	3947	3977
50	3	6	41	132	310	515	656	613	405	144	41	10	3	9	50	182	492	1007	1663	2276	2681	2825	2866	2876
55	0	0	12	61	179	368	501	458	266	65	12	0	0	0	12	73	252	620	1121	1579	1845	1910	1922	1922
60	0	0	3	17	85	228	346	303	148	20	0	0	0	0	3	20	105	333	679	982	1130	1150	1150	1150
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	53	126	231	384	532	653	611	453	268	121	46	29	82	208	439	823	1355	2008	2619	3072	3340	3461	3507

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

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Climatography of the United States No. 20 1971-2000

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Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WARDENSVILLE R M FARM, WV **COOP ID: 469281**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 960 Feet** **Lat: 39˚07N** **Lon: 78˚35W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.4	18.2	29.3	79+	1932	14	37.5	1990	-24	1930	20	17.0	1977	1107	0	.0	.0	7.2	7.6	28.5	2.1
Feb	43.9	20.4	32.2	83	1932	12	38.8	1990	-20	1934	28	19.9	1978	919	0	.0	.0	8.9	5.1	24.6	1.0
Mar	52.8	28.0	40.4	86	1990	13	46.9	1973	-8	1960	11	35.4	1978	762	0	.0	.0	18.2	1.1	21.5	.1
Apr	63.5	36.5	50.0	93+	1941	23	54.3+	1994	14+	1982	12	44.8	1975	450	0	.0	.1	26.2	.0	9.8	.0
May	72.7	46.4	59.6	97	1930	11	67.1	1991	21+	1947	10	55.7	1971	203	34	.0	.5	30.7	.0	1.3	.0
Jun	80.8	55.4	68.1	100	1934	29	71.6	1994	32	1966	1	63.9	1972	30	123	.0	3.4	30.0	.0	.0	.0
Jul	84.9	59.8	72.4	105	1988	17	76.2	1999	39+	1928	16	68.8	2000	6	234	.2	8.4	31.0	.0	.0	.0
Aug	83.5	58.0	70.8	105	1930	5	74.5	1988	35+	1929	20	67.4	1976	12	189	.2	6.0	31.0	.0	.0	.0
Sep	77.2	50.5	63.9	103	1953	1	68.8	1998	23	1947	28	60.9	1975	85	51	.0	1.9	30.0	.0	.5	.0
Oct	66.5	37.7	52.1	99	1927	2	59.1	1984	15+	1928	29	46.6	1988	406	5	.0	.1	29.5	.0	9.8	.0
Nov	55.4	30.2	42.8	87	1971	3	49.3	1985	-5	1938	26	36.7	1976	665	0	.0	.0	20.3	.1	18.3	.0
Dec	44.8	22.8	33.8	78	1998	7	41.6	1984	-18	1942	21	21.8	1989	968	0	.0	.0	10.2	4.1	26.4	.5
Ann	63.9	38.7	51.3	105+	Jul 1988	17	76.2	Jul 1999	-24	Jan 1930	20	17.0	Jan 1977	5613	636	.4	20.4	273.2	18.0	140.7	3.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1926-2001

(3) Derived from 1971-2000 serially complete daily data

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www.ncdc.noaa.gov

Station: WARDENSVILLE R M FARM, WV

COOP ID: 469281

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 960 Feet** **Lat: 39°07N** **Lon: 78°35W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.31	2.03	2.04	1933	25	6.53	1996	.37	1981	8.6	5.7	1.4	.2	.49	.70	1.04	1.35	1.66	1.99	2.36	2.81	3.40	4.34	5.24
Feb	2.00	1.65	1.88	1936	14	5.04	1998	.13	1977	7.0	4.8	1.3	.4	.29	.45	.74	1.02	1.31	1.62	1.99	2.44	3.05	4.04	4.99
Mar	2.88	2.55	3.93	1936	18	7.22	1993	.78	1981	9.4	6.3	1.9	.5	.83	1.10	1.52	1.87	2.22	2.59	2.99	3.47	4.08	5.05	5.95
Apr	2.73	2.20	4.20	1937	27	6.66	1987	.56	1985	10.4	6.3	1.8	.6	.69	.95	1.34	1.69	2.04	2.41	2.81	3.30	3.93	4.93	5.87
May	3.55	3.79	2.36	1955	25	7.22	1971	.64	1977	11.7	7.6	2.5	.5	.99	1.32	1.84	2.28	2.72	3.17	3.68	4.28	5.05	6.27	7.41
Jun	3.43	3.36	4.42	1949	29	6.79	1972	1.01	1999	10.7	6.9	2.3	.7	1.18	1.51	1.98	2.38	2.76	3.15	3.58	4.08	4.73	5.72	6.63
Jul	3.58	3.12	4.34	1933	3	8.13	1978	1.42	1987	11.3	7.2	2.3	.7	1.27	1.60	2.09	2.50	2.90	3.30	3.74	4.25	4.91	5.92	6.84
Aug	3.48	3.36	4.78	1937	23	6.82	1975	.98	1983	10.1	6.7	2.3	1.0	1.27	1.60	2.07	2.46	2.84	3.22	3.64	4.13	4.75	5.70	6.58
Sep	3.26	2.52	5.00	1996	7	9.01	1996	.60	1986	8.9	5.4	1.9	1.0	.52	.80	1.27	1.72	2.19	2.69	3.27	3.98	4.93	6.46	7.94
Oct	3.00	2.74	5.37	1954	16	8.54	1976	.21	2000	8.1	5.5	1.9	.9	.45	.70	1.13	1.55	1.98	2.45	3.00	3.67	4.56	6.02	7.42
Nov	2.93	2.91	3.13	1993	28	7.51	1985	.60	1998	8.2	5.1	1.8	.8	.70	.97	1.40	1.78	2.16	2.56	3.01	3.55	4.25	5.37	6.42
Dec	2.18	1.91	3.00	1992	11	4.20	1972	.05	1980	8.0	4.5	1.4	.5	.41	.61	.93	1.23	1.53	1.85	2.22	2.66	3.25	4.19	5.09
Ann	35.33	34.30	5.37	Oct 1954	16	9.01	Sep 1996	.05	Dec 1980	112.4	72.0	22.8	7.8	25.75	27.63	30.02	31.83	33.43	34.98	36.57	38.33	40.45	43.53	46.18

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: WARDENSVILLE R M FARM, WV **COOP ID: 469281**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 960 Feet** **Lat: 39°07N** **Lon: 78°35W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	9.5	6.3	2	#	22.0	1971	1	38.1	1996	30	1996	8	9	1996	2.9	2.0	.9	.4	.2	7.1	3.9	2.5	1.4
Feb	6.4	4.0	1	#	14.5	1979	19	24.3	1983	23	1983	12	6	1978	2.1	1.5	.8	.3	.2	4.8	3.0	1.7	.5
Mar	5.5	2.4	#	#	14.5	1994	3	21.7	1994	18	1994	3	2	1994	1.5	1.2	.6	.3	.1	1.6	.8	.4	.1
Apr	.7	.0	#	0	8.5	1971	7	8.5	1971	9	1971	7	#+	1997	.3	.1	.1	@	.0	.2	.1	@	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	1.5	1979	10	1.5	1979	2	1979	10	#	1979	@	@	.0	.0	.0	@	.0	.0	.0
Nov	1.5	.0	#	0	8.5	1971	25	12.1	1995	9	1971	25	1	1995	.6	.4	.2	.1	.0	.8	.4	.2	.0
Dec	3.6	3.0	#	#	18.0	1992	11	18.0	1992	24	1992	12	4	1992	1.8	1.3	.4	.1	.1	2.2	.9	.2	.1
Ann	27.3	15.7	N/A	N/A	22.0	Jan 1971	1	38.1	Jan 1996	30	Jan 1996	8	9	Jan 1996	9.2	6.5	3.0	1.2	.6	16.7	9.1	5.0	2.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

Complete documentation available from:
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Station: WARDENSVILLE R M FARM, WV **COOP ID: 469281**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 960 Feet** **Lat: 39˚07N** **Lon: 78˚35W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/01	5/27	5/23	5/20	5/18	5/15	5/12	5/08	5/04
32	5/15	5/11	5/08	5/06	5/04	5/02	4/29	4/27	4/23
28	5/07	5/02	4/29	4/26	4/23	4/20	4/17	4/14	4/09
24	4/23	4/17	4/13	4/10	4/07	4/04	3/31	3/27	3/22
20	4/13	4/07	4/03	3/31	3/28	3/24	3/21	3/17	3/11
16	3/30	3/24	3/20	3/16	3/13	3/10	3/06	3/02	2/24

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/12	9/17	9/21	9/24	9/27	9/30	10/03	10/06	10/11
32	9/22	9/27	9/30	10/03	10/06	10/08	10/11	10/15	10/20
28	10/04	10/08	10/11	10/14	10/17	10/19	10/22	10/25	10/30
24	10/16	10/20	10/22	10/25	10/27	10/29	11/01	11/03	11/07
20	10/24	10/30	11/04	11/09	11/12	11/16	11/21	11/25	12/02
16	11/11	11/17	11/22	11/26	11/30	12/04	12/08	12/13	12/19

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	144	139	135	131	128	123	119	112
32	173	166	162	158	154	151	147	142	136
28	195	189	184	180	176	172	168	164	157
24	223	216	211	206	202	198	194	189	182
20	255	246	240	234	229	224	219	212	203
16	288	279	272	267	261	256	250	244	235

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: WARDENSVILLE R M FARM, WV **COOP ID: 469281**

Climate Division: WV 6 **NWS Call Sign:** **Elevation: 960 Feet** **Lat: 39˚07N** **Lon: 78˚35W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1107	919	762	450	203	30	6	12	85	406	665	968	5613
60	952	779	607	304	105	5	0	0	27	269	515	813	4376
57	859	695	514	223	63	1	0	0	11	198	427	720	3711
55	797	639	455	174	42	0	0	0	5	158	371	658	3299
50	651	506	313	77	11	0	0	0	1	80	240	514	2393
32	210	126	27	0	0	0	0	0	0	0	11	120	494

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	126	131	288	540	854	1083	1251	1201	956	623	336	175	7564
55	0	0	3	23	183	393	538	488	271	68	6	0	1973
57	0	0	0	12	142	334	476	426	217	46	3	0	1656
60	0	0	0	4	91	248	383	333	143	24	0	0	1226
65	0	0	0	0	34	123	234	189	51	5	0	0	636
70	0	0	0	0	9	40	109	82	9	0	0	0	249

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	28	48	138	335	627	866	1024	973	735	402	169	55	28	76	214	549	1176	2042	3066	4039	4774	5176	5345	5400
45	10	20	73	212	473	716	869	818	585	261	92	25	10	30	103	315	788	1504	2373	3191	3776	4037	4129	4154
50	2	3	33	120	328	566	714	663	435	152	46	6	2	5	38	158	486	1052	1766	2429	2864	3016	3062	3068
55	0	0	12	59	204	419	559	508	296	73	15	1	0	0	12	71	275	694	1253	1761	2057	2130	2145	2146
60	0	0	3	20	108	276	405	355	174	25	2	0	0	0	3	23	131	407	812	1167	1341	1366	1368	1368
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	29	46	114	227	398	569	684	642	472	280	131	48	29	75	189	416	814	1383	2067	2709	3181	3461	3592	3640

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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www.ncdc.noaa.gov

Station: WAYNE 2, WV **COOP ID: 469323**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 600 Feet** **Lat: 38˚14N** **Lon: 82˚27W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	.0	.0	.0	77+	1985	2	.0	0	-23+	1994	19	.0	0	0	0	.0	.0	9.0	6.6	26.5	1.6
Feb	.0	.0	.0	78+	1972	29	.0	0	-19+	1996	5	.0	0	0	0	.0	.0	12.0	3.9	23.6	.6
Mar	.0	.0	.0	89+	1989	29	.0	0	5	1978	6	.0	0	0	0	.0	.0	22.1	.7	18.0	.1
Apr	.0	.0	.0	95	1985	23	.0+	0	13	1983	19	.0	0	0	0	.0	.8	28.2	@	8.7	.0
May	.0	.0	.0	94+	1985	15	.0	0	25	1966	10	.0	0	0	0	.0	2.0	31.0	.0	1.0	.0
Jun	.0	.0	.0	100+	1988	22	.0	0	35+	1966	1	.0	0	0	0	.1	7.4	30.0	.0	.0	.0
Jul	.0	.0	.0	105	1986	18	.0	0	41+	1988	1	.0	0	0	0	.6	12.4	31.0	.0	.0	.0
Aug	.0	.0	.0	103	1999	2	.0	0	41	1986	29	.0	0	0	0	.2	10.3	31.0	.0	.0	.0
Sep	.0	.0	.0	100	1998	15	.0	0	28	1981	24	.0	0	0	0	@	2.7	30.0	.0	.2	.0
Oct	.0	.0	.0	92	1986	2	.0	0	20+	1987	23	.0	0	0	0	.0	@	30.4	.0	6.4	.0
Nov	.0	.0	.0	85	1993	15	.0	0	10	1970	25	.0	0	0	0	.0	.0	21.5	.1	19.1	.0
Dec	.0	.0	.0	80	2001	6	.0	0	0	1963	22	.0	0	0	0	.0	.0	13.0	3.6	23.8	.4
Ann	.0	.0	.0	105	Jul 1986	18	-99.9	0	-23+	Jan 1994	19	99.9	0	0	0	.9	35.6	289.2	14.9	127.3	2.7

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1963-2001

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Issue Date: February 2004

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
and Information Service

Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WAYNE 2, WV **COOP ID: 469323**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 600 Feet** **Lat: 38°14N** **Lon: 82°27W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.40	3.15	2.30	1999	9	8.08	1978	.61	1981	12.3	8.0	2.5	.7	1.05	1.37	1.85	2.27	2.67	3.08	3.53	4.07	4.76	5.83	6.83
Feb	3.12	2.91	2.66	1989	16	7.22	1989	1.19	1977	10.6	6.1	1.5	.5	1.25	1.54	1.94	2.28	2.60	2.92	3.27	3.67	4.18	4.96	5.67
Mar	4.08	3.88	2.05	1967	14	11.38	1997	1.54	1981	12.0	8.3	2.8	.8	1.45	1.84	2.39	2.86	3.31	3.77	4.27	4.85	5.59	6.74	7.79
Apr	3.88	3.71	2.40	1987	1	8.30	1987	1.14	1971	9.9	6.9	2.4	.4	1.40	1.77	2.29	2.73	3.15	3.58	4.05	4.59	5.29	6.36	7.34
May	4.45	4.24	3.34	1996	16	11.06	1996	1.55	1987	11.2	8.3	2.7	.8	1.74	2.15	2.74	3.23	3.69	4.15	4.66	5.25	5.99	7.13	8.17
Jun	4.06	3.64	3.80	1982	2	10.80	1982	.94	1988	9.5	6.6	1.9	.6	1.16	1.55	2.13	2.64	3.13	3.64	4.21	4.88	5.75	7.12	8.38
Jul	4.46	4.35	4.50	2001	27	8.15	1980	2.17	1995	9.8	7.7	3.3	.9	2.37	2.73	3.21	3.60	3.95	4.30	4.67	5.09	5.61	6.39	7.08
Aug	4.33	4.04	4.13	1999	25	7.61	1999	1.25	1981	8.6	6.2	2.6	.9	1.79	2.18	2.74	3.20	3.63	4.07	4.54	5.09	5.77	6.83	7.78
Sep	2.92	2.75	2.00	1977	6	5.87	1979	.40	1998	7.5	4.7	1.6	.6	.66	.94	1.36	1.75	2.13	2.54	3.00	3.54	4.26	5.40	6.48
Oct	2.90	2.59	2.50	1999	12	5.76	1976	.38	1992	8.0	5.3	1.8	.6	.81	1.08	1.50	1.86	2.22	2.59	3.01	3.49	4.13	5.12	6.05
Nov	3.33	2.92	1.76	1980	18	8.16	1985	.96	1976	8.8	5.7	1.6	.4	1.21	1.52	1.97	2.35	2.71	3.08	3.48	3.95	4.54	5.46	6.31
Dec	3.78	3.32	3.00	1978	8	8.99	1978	1.51	1980	11.9	7.3	2.5	.8	1.47	1.82	2.32	2.73	3.12	3.52	3.95	4.46	5.09	6.07	6.96
Ann	44.71	45.18	4.50	Jul 2001	27	11.38	Mar 1997	.38	Oct 1992	120.1	81.1	27.2	8.0	34.67	36.68	39.22	41.12	42.79	44.40	46.04	47.85	50.01	53.13	55.80

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

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Station: WAYNE 2, WV **COOP ID: 469323**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 600 Feet** **Lat: 38°14N** **Lon: 82°27W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	3.4	1.3	1	#	7.0	1978	20	13.5	1977	18	1978	22	8	1994	2.9	1.8	.5	.3	.0	4.4	2.8	1.9	.0
Feb	4.3	1.3	#	#	8.0	1998	6	14.0	1998	8	1998	6	4	1978	1.6	1.3	.5	.1	.0	3.8	2.9	1.1	.0
Mar	.6	.0	#	0	3.0	1978	3	3.0+	1978	6	1978	4	1	1978	.5	.4	.1	.0	.0	.6	.2	.1	.0
Apr	.1	.0	#	0	1.0	1996	9	1.0+	1996	11	1982	2	6	1982	@	@	.0	.0	.0	.0	.0	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.2	.0	#	0	2.0	1976	29	2.0	1976	2	1995	15	#+	2000	.2	.1	.0	.0	.0	.1	.0	.0	.0
Dec	.5	.0	#	#	2.0	1976	31	3.5	1998	2+	1999	29	#+	2000	.8	.5	.0	.0	.0	.6	.0	.0	.0
Ann	9.1	2.6	N/A	N/A	8.0	Feb 1998	6	14.0	Feb 1998	18	Jan 1978	22	8	Jan 1994	6.0	4.1	1.1	.4	.0	9.5	5.9	3.1	.0

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: WAYNE 2, WV **COOP ID: 469323**

Climate Division: WV 3 **NWS Call Sign:** **Elevation: 600 Feet** **Lat: 38˚14N** **Lon: 82˚27W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/25	5/19	5/15	5/12	5/09	5/06	5/03	4/29	4/23
32	5/14	5/10	5/06	5/04	5/01	4/28	4/25	4/22	4/18
28	4/25	4/20	4/17	4/14	4/11	4/08	4/05	4/01	3/27
24	4/18	4/13	4/10	4/07	4/04	4/01	3/29	3/25	3/20
20	4/08	4/01	3/26	3/22	3/18	3/13	3/09	3/03	2/24
16	3/21	3/13	3/08	3/03	2/26	2/22	2/17	2/11	2/04

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/24	9/28	10/01	10/04	10/06	10/08	10/11	10/14	10/18
32	10/01	10/06	10/09	10/12	10/15	10/18	10/20	10/24	10/28
28	10/10	10/16	10/20	10/23	10/26	10/30	11/02	11/06	11/12
24	10/20	10/25	10/29	11/01	11/04	11/07	11/10	11/14	11/19
20	10/31	11/05	11/09	11/12	11/15	11/18	11/21	11/24	11/29
16	11/11	11/18	11/23	11/27	12/01	12/05	12/09	12/14	12/20

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	169	162	158	153	149	145	141	136	129
32	185	179	174	170	166	163	159	154	147
28	220	213	207	202	198	194	189	183	176
24	235	228	222	218	214	209	205	200	192
20	266	258	252	246	242	237	231	225	217
16	304	295	288	282	277	271	265	258	249

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

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Climate Division: WV 3 **NWS Call Sign:** **Elevation: 600 Feet** **Lat: 38˚14N** **Lon: 82˚27W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
50	0	0	0	0	0	0	0	0	0	0	0	0	0
32	0	0	0	0	0	0	0	0	0	0	0	0	0

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	49	74	210	425	706	942	1103	1075	799	470	189	82	49	123	333	758	1464	2406	3509	4584	5383	5853	6042	6124
45	22	33	122	292	552	792	948	920	649	323	104	40	22	55	177	469	1021	1813	2761	3681	4330	4653	4757	4797
50	5	15	62	178	401	642	793	765	500	197	50	18	5	20	82	260	661	1303	2096	2861	3361	3558	3608	3626
55	0	1	27	101	264	494	638	610	355	102	17	3	0	1	28	129	393	887	1525	2135	2490	2592	2609	2612
60	0	0	8	49	148	344	483	455	226	44	3	0	0	0	8	57	205	549	1032	1487	1713	1757	1760	1760
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	40	68	162	305	457	622	740	728	519	322	157	64	40	108	270	575	1032	1654	2394	3122	3641	3963	4120	4184

(1) Derived from the 1971-2000 Monthly Normals
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Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: WELLSBURG WTR TRMT PL, WV **COOP ID: 469368**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 660 Feet** **Lat: 40˚17N** **Lon: 80˚37W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	37.2	19.9	28.6	76	1950	25	38.8	1990	-22	1963	29	13.6	1977	1130	0	.0	.0	4.9	10.5	26.0	1.6
Feb	41.4	21.4	31.4	77+	2000	26	40.1	1998	-12+	1955	4	19.0	1979	940	0	.0	.0	7.3	6.8	22.2	1.0
Mar	51.2	28.9	40.1	87	1950	27	46.5	1973	-2+	1960	7	33.5	1984	773	0	.0	.0	16.5	1.4	18.8	@
Apr	62.8	37.8	50.3	90+	1954	21	54.9	1986	9	1982	6	45.2	1971	442	1	.0	@	26.8	.0	8.6	.0
May	73.2	48.6	60.9	93+	1949	5	68.7	1991	24	1970	7	55.8	1997	187	58	.0	.1	30.9	.0	.8	.0
Jun	80.8	57.5	69.2	99+	1952	26	72.4	1991	31+	1949	8	64.3	1972	23	148	.0	2.2	30.0	.0	@	.0
Jul	84.3	62.0	73.2	102	1954	14	77.0	1999	38	1963	9	69.2	2000	5	257	.1	5.4	31.0	.0	.0	.0
Aug	82.7	60.1	71.4	101	1953	30	76.3	1995	37	1965	29	67.8	1992	13	212	.0	2.6	31.0	.0	.0	.0
Sep	76.3	53.4	64.9	103	1953	2	68.5	1973	24	1956	21	61.5	1974	73	69	.0	.7	30.0	.0	@	.0
Oct	65.1	42.0	53.6	90	1951	3	58.4	1985	16	1952	21	46.9	1976	363	9	.0	.0	29.4	.0	4.1	.0
Nov	52.9	32.9	42.9	86	1961	3	48.9	1985	-6	1958	30	34.3	1976	664	0	.0	.0	17.3	.6	14.3	.0
Dec	42.0	25.4	33.7	77	1982	4	40.8	1982	-15	1951	17	21.5	1989	969	0	.0	.0	7.7	6.1	23.3	.5
Ann	62.5	40.8	51.7	103	Sep 1953	2	77.0	Jul 1999	-22	Jan 1963	29	13.6	Jan 1977	5582	754	.1	11.0	262.8	25.4	118.1	3.1

+ Also occurred on an earlier date(s)

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Climate Division: WV 1 **NWS Call Sign:** **Elevation: 660 Feet** **Lat: 40°17N** **Lon: 80°37W**

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	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	2.72	2.30	1.80	1986	20	9.40	1999	.54	1981	12.2	6.6	1.3	.2	.63	.88	1.28	1.64	1.99	2.37	2.79	3.29	3.95	5.00	5.99
Feb	2.33	2.27	2.16	1975	24	5.09	1975	.00	1987	10.2	5.7	1.2	.3	.51	.83	1.22	1.53	1.83	2.13	2.45	2.84	3.33	4.10	4.81
Mar	3.19	3.07	1.67	1954	1	5.99	1997	1.24	1979	12.7	7.6	1.7	.2	1.46	1.74	2.13	2.44	2.74	3.03	3.35	3.71	4.16	4.84	5.46
Apr	3.23	3.31	1.80	1981	12	6.71	1981	.21	1971	12.7	7.5	2.0	.3	.99	1.29	1.75	2.14	2.52	2.92	3.36	3.87	4.53	5.56	6.52
May	4.50	4.47	2.95	1971	6	12.37	1989	1.57	1972	13.7	9.0	2.7	.7	1.55	1.97	2.59	3.12	3.62	4.13	4.70	5.35	6.19	7.50	8.70
Jun	4.13	4.08	2.75	1950	25	8.25	1980	1.41	1991	11.5	7.2	2.2	.6	1.65	2.03	2.57	3.02	3.44	3.86	4.33	4.86	5.54	6.57	7.52
Jul	4.47	4.12	3.70	1980	22	9.22	1980	1.69	1973	11.3	7.1	2.3	1.0	1.97	2.37	2.92	3.38	3.80	4.23	4.68	5.21	5.87	6.88	7.79
Aug	3.47	2.95	3.19	1969	19	11.22	1975	1.22	1986	10.6	6.8	2.5	.8	1.09	1.42	1.91	2.33	2.74	3.16	3.62	4.16	4.86	5.94	6.95
Sep	2.92	2.87	3.49	1962	2	7.09	1974	.35	1985	9.9	6.2	2.0	.5	.80	1.07	1.49	1.86	2.22	2.60	3.02	3.51	4.16	5.17	6.12
Oct	2.59	2.57	2.67	1954	15	5.38	1983	.83+	1999	10.7	6.3	1.8	.3	.86	1.11	1.47	1.78	2.07	2.37	2.70	3.09	3.59	4.36	5.07
Nov	3.13	2.91	2.80	1985	5	14.56	1985	.56	2000	12.5	7.7	1.8	.5	.79	1.09	1.54	1.94	2.34	2.76	3.22	3.78	4.50	5.64	6.71
Dec	2.81	2.42	1.61	1978	9	6.31	1978	.81	1988	12.6	6.8	1.6	.4	1.13	1.39	1.76	2.06	2.34	2.63	2.95	3.31	3.77	4.47	5.11
Ann	39.49	37.94	3.70	Jul 1980	22	14.56	Nov 1985	.00	Feb 1987	140.6	84.5	23.1	5.8	29.71	31.65	34.10	35.94	37.57	39.14	40.75	42.52	44.65	47.73	50.38

+ Also occurred on an earlier date(s)
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@ Denotes mean number of days greater than 0 but less than .05
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Station: WELLSBURG WTR TRMT PL, WV **COOP ID: 469368**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 660 Feet** **Lat: 40°17N** **Lon: 80°37W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	8.1	8.6	2	1	6.0	1978	18	23.5	1978	18	1978	21	6	1978	3.3	2.3	.6	.1	.0	10.5	6.5	3.2	.6
Feb	4.6	3.5	2	1	4.5	1971	8	12.0	1979	10	1979	19	10	1979	1.8	1.3	.3	.0	.0	6.5	3.1	1.8	.0
Mar	3.0	1.0	#	#	7.0	1972	3	10.5	1971	10	1971	4	1+	1999	1.2	.8	.4	.2	.0	2.2	1.1	.5	.1
Apr	.5	.0	#	0	4.2	1985	9	4.2	1985	6	1987	4	#+	1987	.2	.2	.1	.0	.0	.2	.1	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	0	0	#	1974	2	#+	1974	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	1.2	.0	#	#	7.0	1980	18	7.0	1980	7	1980	18	1	1980	.7	.4	.2	.1	.0	1.2	.4	.2	.0
Dec	2.6	2.6	#	#	4.0	1977	9	6.5	1976	5	1973	21	1	1984	1.5	.9	.2	.0	.0	2.7	.4	.0	.0
Ann	20.0	15.7	N/A	N/A	7.0+	Nov 1980	18	23.5	Jan 1978	18	Jan 1978	21	10	Feb 1979	8.7	5.9	1.8	.4	.0	23.3	11.6	5.7	.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Climatography of the United States No. 20 1971-2000

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Station: WELLSBURG WTR TRMT PL, WV **COOP ID: 469368**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 660 Feet** **Lat: 40˚17N** **Lon: 80˚37W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/27	5/21	5/17	5/14	5/11	5/08	5/05	5/01	4/25
32	5/18	5/12	5/08	5/04	5/01	4/28	4/24	4/20	4/14
28	4/30	4/26	4/23	4/20	4/17	4/15	4/12	4/09	4/04
24	4/19	4/14	4/10	4/07	4/05	4/02	3/30	3/26	3/21
20	4/08	4/02	3/30	3/26	3/23	3/20	3/16	3/12	3/07
16	3/31	3/24	3/19	3/15	3/11	3/07	3/02	2/25	2/18

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/22	9/27	9/30	10/03	10/05	10/08	10/11	10/14	10/19
32	10/02	10/07	10/11	10/14	10/17	10/21	10/24	10/28	11/02
28	10/14	10/20	10/23	10/27	10/30	11/02	11/05	11/09	11/14
24	10/23	10/29	11/03	11/07	11/11	11/15	11/19	11/24	11/30
20	11/04	11/11	11/16	11/20	11/24	11/28	12/02	12/08	12/15
16	11/21	11/28	12/03	12/07	12/11	12/15	12/19	12/24	12/30

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	170	162	156	151	147	142	137	132	124
32	193	185	179	174	169	164	159	153	145
28	214	207	203	199	195	191	187	182	175
24	245	237	230	225	220	215	209	203	194
20	272	263	256	251	245	240	234	228	219
16	298	290	284	279	274	269	264	258	250

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
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Station: WELLSBURG WTR TRMT PL, WV **COOP ID: 469368**

Climate Division: WV 1 **NWS Call Sign:** **Elevation: 660 Feet** **Lat: 40˚17N** **Lon: 80˚37W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1130	940	773	442	187	23	5	13	73	363	664	969	5582
60	975	800	618	299	100	4	0	0	22	233	516	814	4381
57	882	716	526	222	62	1	0	0	8	168	431	721	3737
55	820	660	470	175	43	0	0	0	4	131	377	662	3342
50	678	530	329	82	14	0	0	0	0	63	251	519	2466
32	243	155	38	0	0	0	0	0	0	0	19	132	587

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	136	138	288	549	895	1114	1276	1222	986	669	345	186	7804
55	0	0	7	34	224	425	563	509	300	87	13	2	2164
57	0	0	1	21	182	366	501	447	244	62	7	0	1831
60	0	0	0	8	127	279	408	355	168	33	2	0	1380
65	0	0	0	1	58	148	257	212	69	9	0	0	754
70	0	0	0	0	20	54	126	101	18	1	0	0	320

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	35	51	154	354	661	877	1024	981	711	430	173	55	35	86	240	594	1255	2132	3156	4137	4848	5278	5451	5506
45	12	19	86	232	507	727	869	826	561	289	97	25	12	31	117	349	856	1583	2452	3278	3839	4128	4225	4250
50	1	7	44	134	360	577	714	671	413	167	47	7	1	8	52	186	546	1123	1837	2508	2921	3088	3135	3142
55	0	0	19	67	228	427	559	516	278	84	16	0	0	0	19	86	314	741	1300	1816	2094	2178	2194	2194
60	0	0	3	27	124	281	404	361	159	33	3	0	0	0	3	30	154	435	839	1200	1359	1392	1395	1395
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	22	33	103	231	419	577	691	663	437	261	106	33	22	55	158	389	808	1385	2076	2739	3176	3437	3543	3576

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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Station: WESTON, WV **COOP ID: 469436**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 925 Feet** **Lat: 39˚02N** **Lon: 80˚28W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	42.3	20.0	31.2	80	1950	26	41.0	1974	-24	1985	21	17.7	1977	1049	0	.0	.0	8.2	8.7	26.7	2.1
Feb	46.4	21.2	33.8	80	2000	27	40.8	1976	-11	1979	10	20.6	1978	873	0	.0	.0	10.0	5.6	23.6	1.6
Mar	56.5	28.4	42.5	88	1998	31	51.3	1973	-6+	1980	3	36.8	1996	699	0	.0	.0	19.7	1.4	21.2	.3
Apr	67.2	36.4	51.8	92	1986	29	56.5	1981	14	1950	7	47.0	1975	397	2	.0	.2	26.8	@	10.6	.0
May	76.5	46.0	61.3	95+	1991	26	66.4	1991	18+	1974	7	56.5	1997	168	52	.0	1.0	30.9	.0	1.9	.0
Jun	83.9	55.3	69.6	98+	1988	23	73.2	1994	33	1977	8	63.9	1972	24	162	.0	5.0	30.0	.0	.0	.0
Jul	87.4	60.3	73.9	104	1988	17	77.8	1999	39+	1988	1	70.7	1976	1	275	.2	8.3	31.0	.0	.0	.0
Aug	86.1	59.1	72.6	100+	1948	28	78.1	1995	35	1965	29	69.4	1976	10	245	@	6.1	31.0	.0	.0	.0
Sep	79.7	52.1	65.9	103	1953	4	69.8	1978	30+	1987	27	62.5	1976	62	89	.0	1.5	30.0	.0	.2	.0
Oct	68.8	39.7	54.3	94	1953	1	61.1	1971	17+	1962	27	47.6	1988	347	13	.0	.0	29.4	.0	7.2	.0
Nov	56.9	31.2	44.1	84+	1948	6	53.3	1985	4	1958	30	36.3	1976	629	0	.0	.0	19.6	.4	17.9	.0
Dec	46.5	24.5	35.5	79	1951	8	44.1	1984	-14+	1989	22	21.3	1989	914	0	.0	.0	11.3	4.5	24.0	.5
Ann	66.5	39.5	53.0	104	Jul 1988	17	78.1	Aug 1995	-24	Jan 1985	21	17.7	Jan 1977	5173	838	.2	22.1	277.9	20.6	133.3	4.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

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(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1948-2001

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Issue Date: February 2004

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Station: WESTON, WV **COOP ID: 469436**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 925 Feet** **Lat: 39°02N** **Lon: 80°28W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	4.08	3.76	1.96	1974	11	8.10	1978	1.59	1981	15.2	10.3	2.5	.6	1.63	2.01	2.54	2.98	3.40	3.82	4.27	4.80	5.47	6.49	7.42
Feb	3.54	3.54	3.45	1994	9	7.50	1994	.67	1985	11.7	8.6	2.2	.4	1.19	1.53	2.02	2.44	2.84	3.25	3.70	4.22	4.90	5.95	6.91
Mar	4.63	4.22	2.80	1963	20	9.14	1994	1.65	1987	12.4	10.2	3.6	.7	1.90	2.32	2.92	3.41	3.87	4.34	4.85	5.43	6.17	7.30	8.32
Apr	3.93	3.82	2.70	1989	26	7.35	1972	1.55	1971	12.8	9.8	2.5	.4	1.89	2.22	2.69	3.06	3.41	3.75	4.12	4.55	5.07	5.87	6.58
May	4.96	5.09	3.44	1980	21	13.08	1996	.81	1991	12.0	9.9	3.5	1.0	1.60	2.07	2.76	3.36	3.93	4.52	5.17	5.92	6.90	8.42	9.82
Jun	5.04	4.57	4.62	1950	25	12.34	1998	.73	1988	11.2	9.3	3.6	1.2	1.43	1.91	2.63	3.26	3.88	4.52	5.23	6.07	7.15	8.85	10.44
Jul	5.25	5.03	4.70	1951	24	9.27	1996	2.94	1987	11.1	9.2	3.8	1.4	2.78	3.21	3.78	4.24	4.65	5.07	5.50	6.00	6.62	7.54	8.35
Aug	4.62	4.65	3.60	1949	16	8.09	1994	1.49	1993	10.1	8.0	3.3	1.1	1.92	2.34	2.94	3.42	3.88	4.34	4.84	5.42	6.14	7.25	8.26
Sep	3.89	3.62	2.57	1980	5	7.59	1971	.65	1985	9.1	7.0	2.8	1.0	1.41	1.77	2.30	2.74	3.17	3.60	4.07	4.62	5.32	6.39	7.38
Oct	3.22	3.43	3.13	1954	16	7.63	1976	.83	1994	9.6	7.5	2.3	.5	1.02	1.32	1.78	2.16	2.54	2.93	3.35	3.85	4.50	5.50	6.42
Nov	3.97	3.84	2.50	1950	25	10.36	1985	1.36	1998	11.3	8.9	2.4	.7	1.64	2.00	2.51	2.93	3.33	3.73	4.16	4.66	5.29	6.26	7.14
Dec	3.94	3.45	2.60	1948	16	8.60	1978	2.06	1995	13.0	9.1	2.6	.5	1.73	2.09	2.58	2.98	3.35	3.73	4.13	4.59	5.17	6.06	6.86
Ann	51.07	50.50	4.70	Jul 1951	24	13.08	May 1996	.65	Sep 1985	139.5	107.8	35.1	9.5	39.54	41.85	44.76	46.95	48.88	50.72	52.61	54.69	57.18	60.77	63.84

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1948-2001
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Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	15.9	14.1	2	1	12.0	1971	1	43.4	1978	19	1978	21	9	1978	7.5	5.1	1.8	.5	.2	10.8	5.9	3.8	1.8
Feb	10.9	11.0	1	1	14.0	1983	12	27.0	1979	14+	1983	12	10	1979	4.7	3.6	1.3	.3	.1	8.0	4.1	2.2	.9
Mar	7.0	6.0	1	#	15.0	1993	14	27.5	1971	20	1993	14	4	1993	3.3	2.3	.8	.3	.1	3.1	1.3	.7	.2
Apr	1.2	.0	#	#	4.0	1977	6	6.5	1973	12	1987	5	1	1987	.7	.5	.1	.0	.0	.4	@	.0	.0
May	#	.0	#	0	#	1973	18	#	1973	#	1988	16	#	1988	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	#	0	2.0	1972	19	2.0	1972	1	1972	19	#	1972	@	@	.0	.0	.0	@	.0	.0	.0
Nov	2.3	.3	#	#	7.0	1971	25	11.3	1976	3	1995	29	1	1995	1.4	1.1	.2	@	.0	1.1	.1	.0	.0
Dec	6.6	6.0	#	#	4.5	1974	2	18.5	1976	6	1993	30	1+	2000	4.3	3.2	.8	.0	.0	5.3	1.0	.2	.0
Ann	44.0	37.4	N/A	N/A	15.0	Mar 1993	14	43.4	Jan 1978	20	Mar 1993	14	10	Feb 1979	21.9	15.8	5.0	1.1	.4	28.7	12.4	6.9	2.9

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

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Station: WESTON, WV **COOP ID: 469436**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 925 Feet** **Lat: 39˚02N** **Lon: 80˚28W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	5/31	5/25	5/21	5/18	5/15	5/11	5/08	5/04	4/28
32	5/16	5/11	5/08	5/05	5/02	4/29	4/26	4/23	4/18
28	5/02	4/28	4/24	4/21	4/19	4/16	4/14	4/10	4/06
24	4/24	4/18	4/14	4/10	4/07	4/04	3/31	3/27	3/22
20	4/16	4/09	4/04	3/31	3/27	3/23	3/19	3/14	3/07
16	3/27	3/21	3/16	3/13	3/09	3/05	3/02	2/25	2/19

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/22	9/26	9/29	10/02	10/04	10/06	10/09	10/12	10/16
32	9/28	10/03	10/07	10/10	10/13	10/16	10/19	10/23	10/28
28	10/10	10/16	10/20	10/24	10/27	10/31	11/03	11/08	11/14
24	10/17	10/23	10/28	10/31	11/04	11/07	11/11	11/15	11/21
20	10/29	11/05	11/10	11/14	11/17	11/21	11/25	11/30	12/06
16	11/15	11/22	11/27	12/01	12/05	12/08	12/12	12/17	12/24

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	163	156	150	146	142	138	133	128	120
32	183	176	172	167	163	159	155	150	143
28	216	207	201	196	191	186	180	174	166
24	239	229	222	216	210	204	198	191	181
20	264	254	246	240	235	229	223	215	205
16	297	288	281	275	270	264	259	252	243

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

Complete documentation available from:
www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

U.S. Department of Commerce
National Oceanic & Atmospheric Administration
National Environmental Satellite, Data,
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Climatography of the United States No. 20 1971-2000

National Climatic Data Center
Federal Building
151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WESTON, WV **COOP ID: 469436**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 925 Feet** **Lat: 39˚02N** **Lon: 80˚28W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1049	873	699	397	168	24	1	10	62	347	629	914	5173
60	894	733	545	258	82	5	0	0	18	221	482	759	3997
57	801	649	457	184	47	1	0	0	7	160	400	671	3377
55	740	593	400	142	30	0	0	0	3	126	346	614	2994
50	597	463	268	62	8	0	0	0	0	61	227	471	2157
32	181	105	22	0	0	0	0	0	0	0	15	113	436

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	155	155	346	595	907	1128	1298	1259	1017	689	377	223	8149
55	1	0	11	47	225	439	585	546	330	102	17	10	2313
57	0	0	6	29	179	380	523	484	273	74	11	5	1964
60	0	0	1	13	122	293	430	391	195	43	4	0	1492
65	0	0	0	2	52	162	275	245	89	13	0	0	838
70	0	0	0	0	16	67	136	125	27	2	0	0	373

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	41	61	169	355	646	871	1033	995	765	435	181	75	41	102	271	626	1272	2143	3176	4171	4936	5371	5552	5627
45	18	24	93	232	492	721	878	840	615	296	105	34	18	42	135	367	859	1580	2458	3298	3913	4209	4314	4348
50	4	7	44	138	341	571	723	685	466	179	51	14	4	11	55	193	534	1105	1828	2513	2979	3158	3209	3223
55	1	1	20	75	216	423	568	530	322	90	17	1	1	2	22	97	313	736	1304	1834	2156	2246	2263	2264
60	0	0	4	31	115	284	414	376	193	38	4	0	0	0	4	35	150	434	848	1224	1417	1455	1459	1459
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	31	52	134	253	416	573	693	664	492	293	133	50	31	83	217	470	886	1459	2152	2816	3308	3601	3734	3784

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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www.ncdc.noaa.gov

Station: WEST UNION 2, WV **COOP ID: 469458**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 790 Feet** **Lat: 39˚17N** **Lon: 80˚46W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	38.8	17.6	28.2	74+	1973	1	37.5	1990	-33+	1994	19	13.8	1977	1140	0	.0	.0	6.9	9.0	27.1	3.3
Feb	42.9	19.0	31.0	78	2000	27	38.6	1990	-17+	1996	5	17.6	1978	954	0	.0	.0	8.9	5.9	23.7	2.2
Mar	53.0	26.8	39.9	86	1989	29	48.7	1973	-7+	1980	3	33.9	1996	780	0	.0	.0	18.3	1.5	21.4	.2
Apr	63.9	35.7	49.8	90+	1976	19	54.2	1981	15	1972	9	43.9	1975	457	1	.0	.1	26.1	@	11.0	.0
May	73.2	46.0	59.6	92+	1991	27	68.2	1991	25	1996	15	53.7	1997	208	41	.0	.3	30.9	.0	1.6	.0
Jun	80.2	55.6	67.9	97+	1971	29	71.4	1971	32	1972	11	62.8	1992	43	130	.0	1.9	30.0	.0	@	.0
Jul	83.5	60.7	72.1	103	1988	17	75.9	1999	38	1988	1	68.8	2000	2	221	.1	4.9	31.0	.0	.0	.0
Aug	82.3	59.3	70.8	101+	1988	18	75.1	1988	40	1997	8	67.5	1982	12	191	.1	3.5	31.0	.0	.0	.0
Sep	76.6	51.8	64.2	96	1993	1	68.0	1971	28	1983	25	60.8	1976	86	61	.0	.8	30.0	.0	.2	.0
Oct	65.7	38.3	52.0	85+	1975	15	59.3	1984	18	1976	29	46.2	1976	410	8	.0	.0	29.4	.0	8.1	.0
Nov	54.2	29.5	41.9	81	1990	28	48.5	1985	7	1976	30	33.9	1976	694	0	.0	.0	18.9	.4	17.9	.0
Dec	43.4	22.5	33.0	78	1982	4	40.7	1984	-18	1989	23	19.6	1989	994	0	.0	.0	9.9	5.4	24.9	.8
Ann	63.1	38.6	50.9	103	Jul 1988	17	75.9	Jul 1999	-33+	Jan 1994	19	13.8	Jan 1977	5780	653	.2	11.5	271.3	22.2	135.9	6.5

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1971-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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151 Patton Avenue
Asheville, North Carolina 28801
www.ncdc.noaa.gov

Station: WEST UNION 2, WV

COOP ID: 469458

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 790 Feet** **Lat: 39°17N** **Lon: 80°46W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.33	2.88	2.18	1974	11	7.98	1994	.96	1981	14.3	7.8	1.9	.6	1.06	1.38	1.84	2.24	2.63	3.03	3.47	3.98	4.64	5.67	6.62
Feb	3.05	2.74	2.75	2000	19	5.27	1994	.74	1978	12.1	7.0	1.7	.2	1.08	1.37	1.79	2.14	2.47	2.81	3.19	3.62	4.17	5.03	5.82
Mar	4.06	3.67	1.97	1997	2	7.86	1997	1.94	1987	14.3	8.6	2.9	.7	1.84	2.20	2.70	3.10	3.48	3.85	4.26	4.72	5.30	6.18	6.97
Apr	3.52	3.11	2.27	1989	25	6.50	1972	.97	1971	13.9	8.5	2.0	.6	1.33	1.66	2.13	2.52	2.89	3.27	3.69	4.17	4.78	5.72	6.57
May	4.79	4.68	2.83	1974	12	10.02	1996	1.56	1991	13.7	9.1	3.5	1.1	1.97	2.41	3.02	3.53	4.01	4.50	5.02	5.63	6.39	7.56	8.63
Jun	4.24	3.60	2.90	1998	28	10.99	1998	.94	1988	12.4	8.3	3.1	.9	1.24	1.65	2.25	2.77	3.28	3.81	4.40	5.09	5.98	7.37	8.67
Jul	5.05	4.79	3.40	2001	8	9.99	1978	2.49	1993	12.5	9.1	3.7	1.4	2.56	2.98	3.55	4.01	4.43	4.85	5.30	5.80	6.43	7.37	8.22
Aug	4.13	3.73	3.90	1975	16	9.19	1975	1.77	1988	11.0	7.3	2.9	1.0	1.46	1.85	2.41	2.89	3.34	3.81	4.31	4.91	5.66	6.83	7.91
Sep	3.53	3.13	4.38	1971	13	9.83	1971	.75	1985	10.2	6.4	2.3	1.0	.99	1.32	1.83	2.27	2.71	3.16	3.66	4.25	5.02	6.22	7.35
Oct	3.08	2.79	1.78	1976	9	8.21	1976	.44	1994	10.2	6.9	2.2	.6	.81	1.10	1.55	1.94	2.33	2.73	3.19	3.72	4.42	5.53	6.56
Nov	3.66	3.55	2.37	1999	26	10.95	1985	.70	1976	12.0	8.0	2.4	.7	1.19	1.54	2.05	2.49	2.91	3.34	3.81	4.37	5.08	6.19	7.21
Dec	3.36	2.91	2.18+	1978	4	9.61	1990	1.58	2000	13.6	7.6	1.9	.6	1.28	1.59	2.04	2.41	2.77	3.13	3.52	3.97	4.55	5.43	6.24
Ann	45.80	43.67	4.38	Sep 1971	13	10.99	Jun 1998	.44	Oct 1994	150.2	94.6	30.5	9.4	34.98	37.13	39.86	41.91	43.71	45.45	47.23	49.18	51.53	54.92	57.82

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1971-2001
(3) Derived from 1971-2000 serially complete daily data

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Station: WEST UNION 2, WV **COOP ID: 469458**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 790 Feet** **Lat: 39°17N** **Lon: 80°46W**

Snow (inches)																								
Snow Totals															Mean Number of Days (1)									
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds				
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	11.1	7.0	2	1	14.0	1994	5	51.5	1994	24	1994	5	11	1994	4.6	3.1	1.3	.5	.1	9.4	7.0	5.1	1.8
Feb	5.6	4.1	2	1	7.5	1979	19	21.5	1979	22	1979	13	14	1979	3.2	2.3	.4	.2	.0	7.5	4.0	1.6	.2
Mar	3.0	2.0	#	#	14.0	1993	14	18.5	1993	18	1993	15	3	1993	1.4	1.0	.4	.1	@	2.1	1.0	.5	.1
Apr	.3	.0	#	0	4.0	1973	12	7.0	1973	4	1973	12	#+	1997	.1	.1	.1	.0	.0	.1	.1	.0	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	#	.0	#	0	#	1972	19	#	1972	#	1972	19	#	1972	.0	.0	.0	.0	.0	.0	.0	.0	.0
Nov	.5	#	#	#	3.0	1971	25	3.0	1971	3	1971	25	#+	2000	.4	.3	@	.0	.0	.5	@	.0	.0
Dec	3.1	3.5	#	#	3.0	1988	14	8.4	1989	6	1993	31	2	1989	2.3	1.3	.1	.0	.0	3.2	.7	.2	.0
Ann	23.6	16.6	N/A	N/A	14.0+	Jan 1994	5	51.5	Jan 1994	24	Jan 1994	5	14	Feb 1979	12.0	8.1	2.3	.8	.1	22.8	12.8	7.4	2.1

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Station: WEST UNION 2, WV **COOP ID: 469458**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 790 Feet** **Lat: 39˚17N** **Lon: 80˚46W**

Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/01	5/26	5/22	5/19	5/15	5/12	5/08	5/04	4/28
32	5/20	5/15	5/11	5/07	5/04	5/01	4/27	4/23	4/17
28	5/10	5/04	4/30	4/26	4/23	4/19	4/16	4/12	4/06
24	4/21	4/17	4/13	4/11	4/08	4/05	4/03	3/30	3/26
20	4/09	4/04	3/31	3/28	3/25	3/22	3/18	3/14	3/09
16	3/31	3/24	3/18	3/14	3/09	3/05	2/28	2/23	2/15

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/21	9/25	9/28	9/30	10/03	10/05	10/07	10/10	10/14
32	9/24	9/30	10/05	10/09	10/12	10/16	10/20	10/24	10/31
28	10/07	10/13	10/17	10/21	10/24	10/28	10/31	11/05	11/10
24	10/19	10/24	10/27	10/31	11/02	11/05	11/08	11/12	11/17
20	10/30	11/04	11/08	11/11	11/14	11/17	11/21	11/25	11/30
16	11/11	11/18	11/23	11/28	12/02	12/06	12/10	12/15	12/22

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	159	152	148	143	140	136	132	127	120
32	187	178	172	166	161	156	150	144	134
28	208	200	194	189	184	179	174	168	159
24	230	222	217	212	208	203	199	193	186
20	258	250	244	239	234	229	224	218	210
16	295	285	278	272	267	261	255	248	238

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

Derived from 1971-2000 serially complete daily data

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Station: WEST UNION 2, WV **COOP ID: 469458**

Climate Division: WV 2 **NWS Call Sign:** **Elevation: 790 Feet** **Lat: 39˚17N** **Lon: 80˚46W**

Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1140	954	780	457	208	43	2	12	86	410	694	994	5780
60	985	814	625	312	112	11	0	1	29	276	545	839	4549
57	892	730	534	234	69	4	0	0	12	207	457	746	3885
55	830	674	477	186	47	2	0	0	6	167	400	684	3473
50	687	542	337	91	14	0	0	0	1	88	267	543	2570
32	246	158	42	0	0	0	0	0	0	0	17	147	610

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	128	129	285	534	856	1077	1242	1202	966	621	313	177	7530
55	0	0	7	30	190	389	529	489	282	74	5	0	1995
57	0	0	2	18	150	331	467	427	228	52	2	0	1677
60	0	0	0	7	99	248	374	335	155	28	0	0	1246
65	0	0	0	1	41	130	221	191	61	8	0	0	653
70	0	0	0	0	12	49	92	83	14	1	0	0	251

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	37	52	155	340	627	853	1012	978	748	410	168	60	37	89	244	584	1211	2064	3076	4054	4802	5212	5380	5440
45	10	19	86	223	473	703	857	823	598	272	96	28	10	29	115	338	811	1514	2371	3194	3792	4064	4160	4188
50	2	4	40	133	329	553	702	668	452	160	47	10	2	6	46	179	508	1061	1763	2431	2883	3043	3090	3100
55	0	0	14	69	204	405	547	513	308	80	15	1	0	0	14	83	287	692	1239	1752	2060	2140	2155	2156
60	0	0	4	28	106	266	392	360	183	30	3	0	0	0	4	32	138	404	796	1156	1339	1369	1372	1372
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	28	48	123	240	403	560	684	657	481	274	124	41	28	76	199	439	842	1402	2086	2743	3224	3498	3622	3663

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

Complete documentation available from:
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Station: WHITE SULPHUR SPRINGS, WV **COOP ID: 469522**

Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,920 Feet** **Lat: 37˚47N** **Lon: 80˚19W**

Temperature (˚F)																					
Mean (1)				Extremes										Degree Days (1) Base Temp 65		Mean Number of Days (3)					
Month	Daily Max	Daily Min	Mean	Highest Daily(2)	Year	Day	Highest Month(1) Mean	Year	Lowest Daily(2)	Year	Day	Lowest Month(1) Mean	Year	Heating	Cooling	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
Jan	40.2	18.7	29.5	77	1950	26	40.9	1974	-19	1985	21	16.8	1977	1102	0	.0	.0	7.7	6.5	26.7	1.8
Feb	45.2	20.1	32.7	79	1977	26	39.3	1976	-16	1996	6	22.1	1978	906	0	.0	.0	11.1	4.3	23.4	.7
Mar	54.6	27.0	40.8	88	1929	25	47.1	1973	-8	1960	8	34.2	1996	751	0	.0	.0	21.0	1.0	19.6	.1
Apr	64.6	34.7	49.7	92+	1976	18	54.2	1981	14+	1950	7	45.3	1997	460	0	.0	.3	26.9	@	11.1	.0
May	73.3	45.0	59.2	96	1941	22	64.7	1991	21	1927	1	52.7	1997	212	32	.0	.2	30.8	.0	2.4	.0
Jun	79.6	53.6	66.6	99+	1943	12	70.0	1973	30	1966	2	62.7	1992	41	89	.0	1.3	30.0	.0	.1	.0
Jul	83.4	58.7	71.1	102	1954	14	73.7	1993	36	1961	10	67.2	1996	3	190	.0	4.2	31.0	.0	.0	.0
Aug	82.4	57.2	69.8	100+	1926	11	74.1	1975	36+	1986	29	66.5	1992	12	162	@	3.7	31.0	.0	.0	.0
Sep	76.4	50.4	63.4	98+	1953	1	67.7	1973	26+	1942	28	60.5	1994	96	48	.0	1.4	30.0	.0	.5	.0
Oct	67.0	37.5	52.3	91	1927	1	61.8	1984	9	1962	27	45.3	1988	405	9	.0	.0	29.9	.0	9.5	.0
Nov	54.7	29.2	42.0	82+	1927	2	50.9	1985	-1	1929	30	34.7	1976	693	0	.0	.0	20.3	.3	17.8	.0
Dec	44.0	22.1	33.1	77	1951	7	41.7	1984	-20	1989	24	19.8	1989	991	0	.0	.0	10.9	4.4	24.1	.8
Ann	63.8	37.9	50.9	102	Jul 1954	14	74.1	Aug 1975	-20	Dec 1989	24	16.8	Jan 1977	5672	530	@	11.1	280.6	16.5	135.2	3.4

+ Also occurred on an earlier date(s)

@ Denotes mean number of days greater than 0 but less than .05

Complete documentation available from: www.ncdc.noaa.gov/oa/climate/normals/usnormals.html

(1) From the 1971-2000 Monthly Normals

(2) Derived from station's available digital record: 1926-2001

(3) Derived from 1971-2000 serially complete daily data

Issue Date: February 2004

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Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,920 Feet Lat: 37°47N Lon: 80°19W**

Precipitation (inches)

	Precipitation Totals									Mean Number of Days (3)				Precipitation Probabilities (1) Probability that the monthly/annual precipitation will be equal to or less than the indicated amount										
	Means/ Medians(1)		Extremes							Daily Precipitation				Monthly/Annual Precipitation vs Probability Levels These values were determined from the incomplete gamma distribution										
Month	Mean	Med-ian	Highest Daily(2)	Year	Day	Highest Monthly(1)	Year	Lowest Monthly(1)	Year	>= 0.01	>= 0.10	>= 0.50	>= 1.00	.05	.10	.20	.30	.40	.50	.60	.70	.80	.90	.95
Jan	3.37	3.22	2.15	1935	22	6.82	1996	.61	1981	12.4	7.2	2.2	.6	1.03	1.35	1.83	2.24	2.63	3.05	3.50	4.03	4.72	5.79	6.79
Feb	2.93	2.57	2.10	1984	24	6.18	1972	.72	1978	11.0	6.8	1.9	.5	1.02	1.30	1.70	2.04	2.36	2.70	3.06	3.48	4.02	4.86	5.62
Mar	3.70	3.41	3.29	1963	12	7.31	1993	1.10	1988	12.2	7.6	2.7	.6	1.44	1.78	2.27	2.67	3.06	3.45	3.87	4.36	4.99	5.95	6.82
Apr	3.22	3.12	3.40	1977	5	7.10	1987	.84	1976	11.5	6.9	2.2	.6	1.12	1.42	1.86	2.23	2.59	2.96	3.36	3.82	4.42	5.35	6.20
May	4.31	3.80	2.31	1971	30	7.71	1998	1.35	1977	13.3	8.6	3.2	.8	2.11	2.48	2.98	3.38	3.76	4.13	4.52	4.97	5.54	6.39	7.15
Jun	3.51	3.04	3.58	1982	13	7.94	1972	.63	1999	11.4	7.2	2.2	.7	.97	1.30	1.81	2.25	2.68	3.13	3.63	4.22	4.99	6.19	7.31
Jul	4.23	4.12	3.50	1954	19	7.89	1980	1.75	1976	11.8	8.1	3.0	1.1	1.97	2.34	2.85	3.26	3.64	4.03	4.44	4.91	5.50	6.39	7.19
Aug	3.32	2.95	3.02	1969	20	11.44	1984	.56	1976	10.3	6.5	2.3	.9	.78	1.08	1.57	2.00	2.44	2.90	3.41	4.02	4.83	6.10	7.31
Sep	3.18	3.16	3.29	1967	29	7.22	1989	.21	1985	9.8	5.6	2.1	.8	.48	.75	1.21	1.65	2.10	2.60	3.18	3.88	4.83	6.37	7.85
Oct	2.90	2.37	3.67	1954	16	7.20	1976	.01	2000	8.6	5.3	2.1	.7	.32	.54	.95	1.35	1.78	2.27	2.84	3.54	4.50	6.09	7.64
Nov	2.85	2.79	3.55	1985	5	8.47	1985	1.13	1981	10.5	5.9	2.1	.3	1.09	1.36	1.74	2.05	2.35	2.66	2.99	3.37	3.86	4.60	5.29
Dec	2.97	2.62	2.20	1948	15	6.73	1973	.68	1985	11.0	6.9	1.9	.5	1.03	1.31	1.72	2.06	2.39	2.73	3.10	3.53	4.08	4.94	5.72
Ann	40.49	40.26	3.67	Oct 1954	16	11.44	Aug 1984	.01	Oct 2000	133.8	82.6	27.9	8.1	31.00	32.89	35.28	37.08	38.66	40.17	41.73	43.44	45.50	48.46	50.99

+ Also occurred on an earlier date(s)
# Denotes amounts of a trace
@ Denotes mean number of days greater than 0 but less than .05
** Statistics not computed because less than six years out of thirty had measurable precipitation

(1) From the 1971-2000 Monthly Normals
(2) Derived from station's available digital record: 1926-2001
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Climate Division: WV 5 **NWS Call Sign:** **Elevation: 1,920 Feet** **Lat: 37°47N** **Lon: 80°19W**

Snow (inches)																							
Snow Totals															Mean Number of Days (1)								
Means/Medians (1)					Extremes (2)										Snow Fall >= Thresholds					Snow Depth >= Thresholds			
Month	Snow Fall Mean	Snow Fall Median	Snow Depth Mean	Snow Depth Median	Highest Daily Snow Fall	Year	Day	Highest Monthly Snow Fall	Year	Highest Daily Snow Depth	Year	Day	Highest Monthly Mean Snow Depth	Year	0.1	1.0	3.0	5.0	10.0	1	3	5	10
Jan	6.8	4.3	1	1	14.0	1996	7	31.0	1996	24	1996	12	7	1996	2.8	2.4	.9	.3	.1	6.5	3.5	1.9	1.3
Feb	5.5	3.3	1	#	11.0	1983	11	21.5	1987	16	1983	12	6	1982	2.3	2.1	.7	.4	@	6.3	3.2	1.4	.1
Mar	3.7	1.0	#	#	9.5	1980	2	18.5	1999	17	1993	15	3	1993	1.4	1.1	.4	.2	.0	1.9	1.1	.8	.2
Apr	.6	.0	#	0	5.5	1971	7	7.0	1987	6	1971	7	1	1987	.2	.2	.1	@	.0	.3	.2	.1	.0
May	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jun	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Jul	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Aug	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Sep	.0	.0	0	0	.0	0	0	.0	0	0	0	0	0	0	.0	.0	.0	.0	.0	.0	.0	.0	.0
Oct	.1	.0	0	0	1.0	1979	10	1.0	1979	0	0	0	0	0	.1	@	.0	.0	.0	.0	.0	.0	.0
Nov	.8	.0	#	0	5.0	1971	25	5.0+	1976	5	1971	25	#+	2000	.3	.2	.1	@	.0	.2	.2	@	.0
Dec	3.1	1.0	#	#	10.0	1997	30	12.7	1989	12	1997	31	4	1989	1.3	1.1	.4	.2	@	3.6	2.1	1.3	.1
Ann	20.6	9.6	N/A	N/A	14.0	Jan 1996	7	31.0	Jan 1996	24	Jan 1996	12	7	Jan 1996	8.4	7.1	2.6	1.1	.1	18.8	10.3	5.5	1.7

+ Also occurred on an earlier date(s) #Denotes trace amounts

@ Denotes mean number of days greater than 0 but less than .05

-9/-9.9 represents missing values
Annual statistics for Mean/Median snow depths are not appropriate

(1) Derived from Snow Climatology and 1971-2000 daily data

(2) Derived from 1971-2000 daily data

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Freeze Data

Spring Freeze Dates (Month/Day)

Temp (F)	Probability of later date in spring (thru Jul 31) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	6/05	5/30	5/26	5/22	5/19	5/16	5/12	5/08	5/03
32	5/28	5/23	5/19	5/15	5/12	5/09	5/06	5/02	4/26
28	5/09	5/05	5/01	4/28	4/26	4/23	4/20	4/17	4/12
24	4/23	4/18	4/15	4/12	4/09	4/06	4/04	3/31	3/27
20	4/12	4/07	4/03	3/31	3/28	3/25	3/22	3/18	3/13
16	3/29	3/23	3/18	3/14	3/10	3/06	3/02	2/25	2/18

Fall Freeze Dates (Month/Day)

Temp (F)	Probability of earlier date in fall (beginning Aug 1) than indicated(*)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	9/11	9/16	9/20	9/23	9/26	9/29	10/02	10/06	10/11
32	9/22	9/27	9/30	10/03	10/05	10/08	10/11	10/14	10/18
28	10/02	10/06	10/10	10/12	10/15	10/17	10/20	10/23	10/27
24	10/14	10/19	10/23	10/27	10/30	11/02	11/05	11/09	11/15
20	10/21	10/28	11/02	11/06	11/10	11/14	11/18	11/23	11/30
16	11/06	11/12	11/16	11/20	11/24	11/27	12/01	12/05	12/11

Freeze Free Period

Temp (F)	Probability of longer than indicated freeze free period (Days)								
	.10	.20	.30	.40	.50	.60	.70	.80	.90
36	151	143	138	133	129	125	120	115	108
32	164	158	153	149	146	142	138	133	127
28	189	183	178	175	171	168	164	159	153
24	221	215	210	206	203	199	196	191	185
20	250	242	236	231	226	222	217	211	203
16	282	274	268	263	258	253	248	242	234

***** Probability of observing a temperature as cold, or colder, later in the spring or earlier in the fall than the indicated date.

0/00 Indicates that the probability of occurrence of threshold temperature is less than the indicated probability.

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Degree Days to Selected Base Temperatures (˚F)

Base	Heating Degree Days (1)												
Below	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
65	1102	906	751	460	212	41	3	12	96	405	693	991	5672
60	947	766	596	313	112	8	0	0	33	272	543	836	4426
57	854	682	506	231	69	3	0	0	14	205	456	743	3763
55	792	626	448	181	46	1	0	0	8	166	399	681	3348
50	646	488	309	81	13	0	0	0	1	88	268	537	2431
32	207	110	29	0	0	0	0	0	0	1	19	138	504

Base	Cooling Degree Days (1)												
Above	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Ann
32	128	128	301	530	843	1038	1210	1173	942	628	316	170	7407
55	0	0	7	21	176	349	497	460	260	79	7	0	1856
57	0	0	3	11	136	291	435	398	206	57	3	0	1540
60	0	0	0	3	87	206	342	306	135	31	1	0	1111
65	0	0	0	0	32	89	190	162	48	9	0	0	530
70	0	0	0	0	8	21	67	59	9	1	0	0	165

Growing Degree Units (2)

Base	Growing Degree Units (Monthly)												Growing Degree Units (Accumulated Monthly)											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	36	64	178	364	636	838	999	964	747	428	174	61	36	100	278	642	1278	2116	3115	4079	4826	5254	5428	5489
45	15	24	95	238	483	688	844	809	597	286	96	27	15	39	134	372	855	1543	2387	3196	3793	4079	4175	4202
50	1	7	46	134	338	538	689	654	448	168	42	8	1	8	54	188	526	1064	1753	2407	2855	3023	3065	3073
55	0	0	15	69	207	388	534	499	306	84	12	0	0	0	15	84	291	679	1213	1712	2018	2102	2114	2114
60	0	0	3	26	105	246	379	345	183	33	2	0	0	0	3	29	134	380	759	1104	1287	1320	1322	1322
Base	Growing Degree Units for Corn (Monthly)												Growing Degree Units for Corn (Accumulated Monthly)											
50/86	24	56	145	261	416	549	669	645	478	296	128	48	24	80	225	486	902	1451	2120	2765	3243	3539	3667	3715

(1) Derived from the 1971-2000 Monthly Normals
(2) Derived from 1971-2000 serially complete daily data
Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86

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