

Summary of Monthly Normals
1991-2020

Current Location: Elev: 418 ft. Lat: 33.2850° N Lon: 86.3431° W
Station: CHILDERSBURG WTP, AL US USC00011620
Generated on 05/23/2024

Temperature (°F)																						
Mean							Cooling Degree Days						Heating Degree Days				Mean Number of Days					
							Base (above)						Base (above)									
Month	Daily Max	Daily Min	Mean	Long Term Max Std Dev	Long Term Min Std Dev	Long Term Avg Std Dev	55	57	60	65	70	72	55	57	60	65	Max >= 100	Max >= 90	Max >= 50	Max <= 32	Min <= 32	Min <= 0
01	58.4	34.1	46.2	3.8	4.2	3.9	34.6	23.3	11.2	1.8	0.0	0.0	305.7	356.3	437.3	582.9	0.0	0.0	25.3	0.1	15.3	0.0
02	63.1	37.8	50.5	4.0	4.1	3.8	55.1	39.0	21.5	5.0	0.7	0.3	182.5	222.3	288.9	412.4	0.0	0.0	24.8	0.1	11.1	0.0
03	71.0	43.2	57.1	4.0	4.0	3.8	148.4	113.6	71.0	23.8	4.6	2.1	83.3	110.5	160.9	268.7	0.0	0.0	30.2	0.0	6.4	0.0
04	78.6	50.2	64.4	2.5	3.3	2.8	296.5	245.5	175.6	83.5	25.4	12.5	14.5	23.4	43.6	101.4	0.0	0.5	30.0	0.0	1.2	0.0
05	84.8	58.8	71.8	2.2	2.8	2.2	521.1	459.7	369.4	228.6	109.0	70.8	0.3	0.9	3.6	17.9	0.0	6.5	31.0	0.0	0.0	0.0
06	90.5	66.5	78.5	2.7	1.9	1.9	704.9	644.9	555.0	405.3	258.0	201.7	0.0	0.0	0.0	0.3	0.3	18.0	30.0	0.0	0.0	0.0
07	93.1	70.3	81.7	2.4	1.7	1.8	827.6	765.6	672.6	517.6	362.7	300.9	0.0	0.0	0.0	0.0	1.6	25.0	31.0	0.0	0.0	0.0
08	92.6	69.0	80.8	2.9	2.5	2.3	799.7	737.7	644.7	489.8	335.3	274.1	0.0	0.0	0.0	0.0	1.8	22.9	31.0	0.0	0.0	0.0
09	88.2	63.1	75.6	3.2	2.8	2.6	619.4	559.5	470.2	325.0	191.0	143.7	0.0	0.1	0.8	5.6	0.4	12.6	30.0	0.0	0.0	0.0
10	79.2	51.1	65.2	2.6	3.5	2.4	331.7	278.7	205.3	104.7	39.5	24.0	17.0	26.1	45.7	100.1	0.1	1.4	31.0	0.0	1.2	0.0
11	68.1	40.8	54.4	3.9	3.4	3.3	100.4	74.5	44.4	15.6	3.0	1.0	116.8	150.8	210.8	332.0	0.0	0.0	29.3	0.0	9.1	0.0
12	60.3	36.4	48.3	3.6	4.1	3.6	44.0	30.8	16.5	4.3	0.7	0.3	250.1	298.8	377.6	520.4	0.0	0.0	26.8	0.0	13.8	0.0
Summary	77.3	51.8	64.5	3.1	3.2	2.9	4483	3973	3257	2205	1330	1031	970	1189	1569	2342	4.2	86.9	350.4	0.2	58.1	0.0

Empty or blank cells indicate data is missing or insufficient occurrences to compute value

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Precipitation (in.)									
	Totals	Mean Number of Days				Precipitation Probabilities Probability that precipitation will be equal to or less than the indicated amount			
	Means	Daily Precipitation				Monthly Precipitation vs. Probability Levels			
Month	Mean	>= 0.01	>= 0.10	>= 0.50	>= 1.00	0.25	0.50	0.75	
01	5.50	10.5	7.8	3.8	1.8	3.72	5.03	7.00	
02	6.00	10.4	7.3	4.2	2.0	4.36	5.43	6.88	
03	5.38	10.3	7.4	3.8	2.0	3.90	5.09	6.51	
04	4.77	8.9	6.5	3.0	1.6	3.49	4.63	6.33	
05	4.44	9.4	6.9	3.1	1.5	2.54	4.06	5.92	
06	4.52	11.0	7.7	3.4	1.4	2.33	3.85	6.69	
07	4.15	11.2	7.5	2.9	1.2	2.22	4.01	6.02	
08	4.30	9.9	6.5	2.8	1.3	2.71	3.70	5.19	
09	3.74	7.4	4.7	2.3	1.1	1.98	3.51	4.70	
10	3.32	6.8	4.5	2.4	1.0	1.53	2.85	4.46	
11	4.65	8.4	5.5	2.9	1.6	2.83	4.33	6.21	
12	5.20	11.0	7.1	3.7	1.5	3.36	4.57	6.24	
Summary	55.97	115.2	79.4	38.3	18.0	34.97	51.06	72.15	

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Snow (in.)													
	Totals	Mean Number of Days									Snow Probabilities Probability that snow will be equal to or less than the indicated amount		
	Means	Snowfall >= Thresholds					Snow Depth >= Thresholds				Monthly Snow vs. Probability Levels Values derived from the incomplete gamma distribution.		
Month	Snowfall Mean	0.01	1.0	3.0	5.00	10.00	1	3	5	10	.25	.50	.75
01	0.40	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
02	0.10	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
03	0.60	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
04	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
05	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
06	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
07	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
08	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
09	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
10	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
11	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Summary	1.1	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Growing Degree Units (Monthly)												
Base	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
40	243.3	307.9	534.0	732.1	985.8	1154.9	1292.6	1264.7	1069.3	779.8	436.7	282.9
45	143.0	196.2	387.0	582.7	830.8	1004.9	1137.6	1109.7	919.3	625.6	300.7	172.4
50	76.0	111.8	255.6	435.8	675.8	854.9	982.6	954.7	769.4	474.3	185.8	93.8
55	34.6	55.1	148.4	296.5	521.1	704.9	827.6	799.7	619.4	331.7	100.4	44.0
60	11.2	21.5	71.0	175.6	369.4	555.0	672.6	644.7	470.2	205.3	44.4	16.5
Growing Degree Units for Corn (Monthly)												
50/86	158.5	203.8	353.3	488.4	661.2	780.6	870.9	849.6	719.2	523.8	295.8	182.6

Growing Degree Units (Accumulated Monthly)												
40	243	551	1085	1817	2803	3958	5251	6515	7585	8364	8801	9084
45	143	339	726	1309	2140	3145	4282	5392	6311	6937	7238	7410
50	76	188	443	879	1555	2410	3392	4347	5117	5591	5777	5870
55	35	90	238	535	1056	1761	2588	3388	4007	4339	4439	4483
60	11	33	104	279	649	1204	1876	2521	2991	3196	3241	3257
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	158	362	716	1204	1865	2646	3517	4366	5086	5609	5905	6088

Note: For corn, temperatures below 50 are set to 50, and temperatures above 86 are set to 86.
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