

Summary of Monthly Normals
1991-2020

Generated on 06/03/2024

Current Location: Elev: 369 ft. Lat: 40.5517° N Lon: 75.9911° W

Station: HAMBURG, PA US USC00363632

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	37.7	20.0	28.8	4.5	4.9	4.4	0.0	0.0	0.0	0.0	0.0	0.0	810.5	872.5	965.5	1120.5	0.0	0.0	3.4	9.4	27.7	0.7
02	40.6	21.9	31.2	4.8	4.8	4.6	0.2	0.1	0.0	0.0	0.0	0.0	665.1	721.0	804.9	944.9	0.0	0.0	5.1	5.8	25.0	0.3
03	49.9	30.0	39.9	4.8	3.4	3.9	7.2	4.4	2.0	0.3	0.0	0.0	473.7	532.9	623.6	776.8	0.0	0.0	14.0	1.2	19.6	0.0
04	62.5	39.8	51.1	3.0	2.2	2.2	57.4	41.2	23.6	8.1	2.0	0.9	172.9	216.7	289.1	423.6	0.0	0.3	26.0	0.0	4.8	0.0
05	72.6	50.3	61.4	3.3	3.3	3.0	222.6	175.6	117.0	52.0	18.1	10.0	22.7	37.6	72.1	162.0	0.0	1.2	30.8	0.0	0.1	0.0
06	80.9	59.6	70.3	2.1	1.7	1.6	457.9	398.7	312.0	179.6	77.9	49.4	0.5	1.2	4.6	22.1	0.0	3.1	30.0	0.0	0.0	0.0
07	85.3	64.4	74.8	2.8	2.8	2.6	615.2	553.3	460.5	307.2	165.2	117.3	0.0	0.0	0.2	2.0	0.3	7.4	31.0	0.0	0.0	0.0
08	83.1	62.5	72.8	2.4	2.3	2.1	551.7	489.8	397.0	245.5	113.4	73.8	0.0	0.0	0.2	3.7	0.0	3.7	31.0	0.0	0.0	0.0
09	76.1	54.7	65.4	2.5	2.8	2.3	319.8	265.5	191.0	92.6	31.8	18.5	7.9	13.6	29.0	80.7	0.0	1.1	30.0	0.0	0.0	0.0
10	64.3	42.4	53.4	2.7	3.5	2.7	75.5	53.2	29.6	9.3	1.6	0.5	126.6	166.3	235.8	370.4	0.0	0.0	29.9	0.0	2.9	0.0
11	52.6	33.2	42.9	4.0	2.8	3.2	7.4	3.6	0.8	0.0	0.0	0.0	370.4	426.6	513.8	663.0	0.0	0.0	18.0	0.3	15.1	0.0
12	42.0	25.6	33.8	4.1	3.9	3.7	0.3	0.0	0.0	0.0	0.0	0.0	657.4	719.2	812.1	967.1	0.0	0.0	5.6	4.3	26.0	0.0
Summary	62.3	42.0	52.1	3.4	3.2	3.0	2315	1985	1533	895	410	270	3308	3708	4351	5537	0.3	16.8	254.8	21.0	121.2	1.0

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	3.45	11.1	6.2	2.6	0.7	2.18	2.97	3.85	
02	2.73	9.1	5.6	1.9	0.5	1.70	2.39	3.40	
03	3.70	10.4	6.4	2.6	1.0	2.68	3.83	4.67	
04	3.72	12.0	7.1	2.5	1.0	2.52	3.24	4.59	
05	4.08	13.7	8.2	2.8	0.9	2.94	4.07	4.99	
06	4.96	12.3	7.9	3.3	1.5	3.26	4.70	6.26	
07	5.15	11.4	7.8	3.8	1.6	3.33	5.28	6.91	
08	4.92	11.3	7.1	2.9	1.5	3.22	4.22	5.09	
09	5.09	10.2	6.6	3.3	1.6	2.71	4.56	6.50	
10	4.47	11.2	6.5	2.7	1.3	2.76	4.39	5.78	
11	3.32	9.3	5.5	2.3	0.9	2.20	2.94	4.40	
12	3.89	10.6	6.9	2.7	0.9	2.76	3.72	5.03	
Summary	49.48	132.6	81.8	33.4	13.4	32.26	46.31	61.47	

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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	5.10	4.3	2.2	0.7	0.4	0.1	10.0	4.6	2.5	1.2	0.50	2.50	6.40
02	7.10	3.6	2.0	0.9	0.3	0.0	11.2	8.2	4.8	1.6	0.50	5.10	10.90
03	4.60	2.1	1.2	0.5	0.3	0.1	3.9	2.0	1.3	0.5	0.50	2.50	7.90
04	0.30	0.1	0.1	0.0	0.0	0.0	0.1	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	0.50	0.4	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.00	0.00	0.00
12	3.70	2.0	1.1	0.3	0.2	0.0	3.6	1.5	0.5	0.0	0.00	2.10	7.20
Summary	21.3	12.5	6.8	2.4	1.2	0.2	29.1	16.3	9.1	3.3	1.5	12.2	32.4

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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	11.7	18.9	108.8	342.2	664.9	907.4	1080.2	1016.7	761.9	415.6	145.5	28.6
45	2.4	5.4	52.0	217.1	510.6	757.4	925.2	861.7	612.0	272.4	70.1	9.6
50	0.4	1.2	21.1	121.0	359.9	607.5	770.2	706.7	463.2	155.2	27.8	3.0
55	0.0	0.2	7.2	57.4	222.6	457.9	615.2	551.7	319.8	75.5	7.4	0.3
60	0.0	0.0	2.0	23.6	117.0	312.0	460.5	397.0	191.0	29.6	0.8	0.0
Growing Degree Units for Corn (Monthly)												
50/86	7.8	13.3	65.9	193.4	391.2	597.0	740.9	689.5	478.3	233.4	75.9	13.0

Growing Degree Units (Accumulated Monthly)												
40	12	31	139	482	1146	2054	3134	4151	4913	5328	5474	5502
45	2	8	60	277	788	1545	2470	3332	3944	4216	4286	4296
50	0	2	23	144	504	1111	1881	2588	3051	3206	3234	3237
55	0	0	7	65	287	745	1360	1912	2232	2308	2315	2315
60	0	0	2	26	143	455	915	1312	1503	1533	1533	1533
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	8	21	87	280	672	1269	2010	2699	3177	3411	3487	3500

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