

Summary of Monthly Normals
1991-2020

Generated on 04/25/2024

Current Location: Elev: 1600 ft. Lat: 35.0714° N Lon: 83.9683° W

Station: MURPHY 4ESE, NC US USC00316001

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	49.8	25.3	37.5	3.6	4.3	3.8	3.7	1.8	0.4	0.0	0.0	0.0	544.4	604.6	696.3	850.9	0.0	0.0	16.4	2.0	22.4	0.1
02	53.5	28.0	40.8	4.5	4.1	4.0	5.2	2.9	0.9	0.0	0.0	0.0	404.2	457.8	539.9	679.0	0.0	0.0	18.3	0.6	19.1	0.1
03	61.6	33.8	47.7	4.4	3.8	3.9	30.7	19.2	7.9	0.9	0.0	0.0	257.0	307.4	389.2	537.2	0.0	0.0	26.6	0.2	14.6	0.0
04	70.8	41.2	56.0	3.0	3.2	2.9	117.8	86.8	49.4	12.4	0.9	0.1	87.8	116.8	169.4	282.4	0.0	0.0	29.3	0.0	5.0	0.0
05	77.5	50.7	64.1	2.6	3.3	2.8	296.0	242.7	169.2	72.1	14.2	4.3	13.9	22.6	42.1	100.0	0.0	0.2	31.0	0.0	0.2	0.0
06	83.5	59.2	71.3	2.6	1.7	1.9	490.5	430.9	342.6	201.4	80.6	45.0	0.1	0.5	2.1	10.9	0.0	3.3	30.0	0.0	0.0	0.0
07	86.6	63.2	74.9	2.5	1.8	1.9	616.8	554.8	461.9	307.2	158.5	104.7	0.0	0.0	0.0	0.3	0.1	8.2	31.0	0.0	0.0	0.0
08	86.0	62.3	74.2	2.6	2.1	2.1	593.5	531.6	438.6	284.1	138.0	88.7	0.0	0.0	0.0	0.5	0.0	6.4	31.0	0.0	0.0	0.0
09	81.3	55.8	68.6	3.2	2.8	2.4	408.0	349.8	265.7	139.1	45.2	21.9	1.6	3.4	9.2	32.7	0.0	2.5	30.0	0.0	0.0	0.0
10	71.8	43.3	57.5	2.6	3.4	2.6	146.7	109.0	63.9	19.5	3.5	1.3	67.6	91.9	139.8	250.4	0.0	0.2	30.7	0.0	4.5	0.0
11	61.4	32.8	47.1	4.2	3.2	3.4	25.3	16.3	7.4	1.2	0.0	0.0	262.2	313.2	394.3	538.2	0.0	0.0	26.3	0.0	16.0	0.0
12	52.7	28.4	40.5	4.3	4.1	4.0	7.9	4.5	1.6	0.1	0.0	0.0	455.7	514.4	604.6	758.0	0.0	0.0	19.7	0.6	20.8	0.0
Summary	69.7	43.7	56.7	3.3	3.2	3.0	2742	2350	1810	1038	441	266	2094	2433	2987	4041	0.1	20.8	320.3	3.4	102.6	0.2

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	5.10	11.5	8.8	4.1	1.7	3.87	4.96	6.34	
02	5.26	11.3	8.3	3.6	1.7	3.33	5.05	6.50	
03	5.29	11.9	9.1	4.0	1.2	3.54	4.87	6.57	
04	5.20	10.9	7.8	3.8	1.3	3.46	5.19	6.86	
05	4.75	11.4	8.7	3.4	1.1	3.41	4.39	5.69	
06	5.41	12.6	9.1	4.1	1.5	4.04	5.12	6.62	
07	5.25	12.2	8.6	3.4	1.6	3.84	5.15	6.74	
08	4.70	11.3	7.9	3.5	1.3	2.99	4.19	5.59	
09	4.28	9.2	6.4	3.2	1.3	2.84	4.15	5.52	
10	3.45	8.2	5.3	2.5	1.3	1.77	3.20	5.12	
11	4.60	9.3	7.0	3.3	1.4	2.98	4.46	6.08	
12	5.99	11.9	9.5	4.1	1.7	4.13	5.18	7.70	
Summary	59.28	131.7	96.5	43.0	17.1	40.20	55.91	75.33	

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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	0.80	0.9	0.4	0.1	0.0	0.0	1.0	0.3	0.2	0.0	0.00	0.00	1.00
02	1.50	0.9	0.5	0.1	0.0	0.0	0.7	0.1	0.0	0.0	0.00	0.00	2.70
03	0.10	0.2	0.1	0.0	0.0	0.0	0.3	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	0.10	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
12	1.90	0.8	0.7	0.2	0.0	0.0	0.7	0.3	0.1	0.0	0.00	0.00	1.40
Summary	4.4	2.9	1.7	0.4	0.0	0.0	2.7	0.7	0.3	0.0	0.0	0.0	5.1

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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	89.7	111.6	274.1	483.5	747.1	940.4	1081.8	1058.5	856.4	545.8	243.5	123.8
45	40.7	50.2	162.3	343.1	592.6	790.4	926.8	903.5	706.4	397.2	138.2	60.8
50	14.9	18.8	79.5	218.1	440.0	640.4	771.8	748.5	556.5	260.8	65.7	24.2
55	3.7	5.2	30.7	117.8	296.0	490.5	616.8	593.5	408.0	146.7	25.3	7.9
60	0.4	0.9	7.9	49.4	169.2	342.6	461.9	438.6	265.7	63.9	7.4	1.6
Growing Degree Units for Corn (Monthly)												
50/86	65.0	91.4	198.8	324.4	482.5	630.9	739.3	719.8	562.2	362.4	187.3	88.2

Growing Degree Units (Accumulated Monthly)												
40	90	201	475	959	1706	2646	3728	4787	5643	6189	6432	6556
45	41	91	253	596	1189	1979	2906	3810	4516	4913	5051	5112
50	15	34	113	331	771	1412	2184	2932	3488	3749	3815	3839
55	4	9	40	157	453	944	1561	2154	2562	2709	2734	2742
60	0	1	9	59	228	570	1032	1471	1737	1801	1808	1810
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	65	156	355	680	1162	1793	2532	3252	3814	4177	4364	4452

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

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