

Summary of Monthly Normals
1991-2020

Generated on 05/20/2024

Current Location: Elev: 44 ft. Lat: 9.4833° N Lon: 138.0833° E

Station: YAP ISLAND WSO AP, FM FM FMW00040308

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	87.1	74.9	81.0	1.0	2.6	1.4	806.0	744.0	651.0	496.0	341.0	279.0	0.0	0.0	0.0	0.0	0.0	1.9	31.0	0.0	0.0	0.0
02	87.1	74.6	80.9	1.0	2.7	1.4	723.8	667.8	583.8	443.8	303.8	247.8	0.0	0.0	0.0	0.0	0.0	1.4	28.0	0.0	0.0	0.0
03	87.9	74.7	81.3	1.1	2.6	1.4	815.3	753.3	660.3	505.3	350.3	288.3	0.0	0.0	0.0	0.0	0.0	4.1	31.0	0.0	0.0	0.0
04	88.6	75.6	82.1	1.2	2.5	1.4	813.0	753.0	663.0	513.0	363.0	303.0	0.0	0.0	0.0	0.0	0.0	8.6	30.0	0.0	0.0	0.0
05	88.9	76.0	82.5	1.5	2.4	1.5	850.9	788.9	695.9	540.9	385.9	323.9	0.0	0.0	0.0	0.0	0.0	12.8	31.0	0.0	0.0	0.0
06	88.5	75.4	82.0	1.4	2.7	1.7	808.5	748.5	658.5	508.5	358.5	298.5	0.0	0.0	0.0	0.0	0.0	9.9	30.0	0.0	0.0	0.0
07	87.8	75.0	81.4	1.3	2.6	1.4	818.4	756.4	663.4	508.4	353.4	291.4	0.0	0.0	0.0	0.0	0.0	6.6	31.0	0.0	0.0	0.0
08	87.5	74.8	81.1	1.1	2.7	1.5	810.7	748.7	655.7	500.7	345.7	283.7	0.0	0.0	0.0	0.0	0.0	5.5	31.0	0.0	0.0	0.0
09	87.7	74.8	81.3	1.0	2.9	1.5	787.5	727.5	637.5	487.5	337.5	277.5	0.0	0.0	0.0	0.0	0.0	5.9	30.0	0.0	0.0	0.0
10	88.1	75.0	81.5	1.1	2.7	1.4	823.1	761.1	668.1	513.1	358.1	296.1	0.0	0.0	0.0	0.0	0.0	8.1	31.0	0.0	0.0	0.0
11	88.0	75.4	81.7	0.9	2.6	1.2	801.0	741.0	651.0	501.0	351.0	291.0	0.0	0.0	0.0	0.0	0.0	5.8	30.0	0.0	0.0	0.0
12	87.4	75.5	81.4	0.9	2.6	1.4	820.0	758.0	665.0	510.0	355.0	293.0	0.0	0.0	0.0	0.0	0.0	2.4	31.0	0.0	0.0	0.0
Summary	87.9	75.1	81.5	1.1	2.6	1.4	9678	8948	7853	6028	4203	3473	0	0	0	0	0.0	73.0	365.0	0.0	0.0	0.0

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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	7.85	20.4	11.7	4.4	2.3	4.83	6.40	8.57	
02	5.81	18.2	9.9	3.2	1.4	2.41	5.10	6.73	
03	5.80	17.2	9.4	3.3	1.4	3.18	5.36	8.23	
04	6.19	17.9	10.6	3.4	1.3	3.42	6.02	7.35	
05	9.11	20.8	13.6	5.4	2.3	5.03	8.34	11.26	
06	12.15	24.3	17.9	8.1	3.8	9.33	11.69	14.93	
07	14.89	23.8	17.6	9.3	4.6	12.48	15.09	17.70	
08	14.84	23.1	17.9	9.3	4.9	11.69	13.49	18.11	
09	14.59	23.0	17.1	9.2	5.2	10.46	13.86	18.09	
10	12.60	22.6	16.0	7.2	3.7	8.34	13.00	17.30	
11	9.26	22.6	15.4	5.9	2.1	6.62	9.19	11.40	
12	10.33	22.4	14.0	5.5	2.7	6.29	9.74	12.43	
Summary	123.42	256.3	171.1	74.2	35.7	84.08	117.28	152.10	

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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	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	0.00	0.00
02	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
03	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
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	0.0	0.0	0.0	0.0	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	1271.0	1143.8	1280.3	1263.0	1315.9	1258.5	1283.4	1275.7	1237.5	1288.1	1251.0	1285.0
45	1116.0	1003.8	1125.3	1113.0	1160.9	1108.5	1128.4	1120.7	1087.5	1133.1	1101.0	1130.0
50	961.0	863.8	970.3	963.0	1005.9	958.5	973.4	965.7	937.5	978.1	951.0	975.0
55	806.0	723.8	815.3	813.0	850.9	808.5	818.4	810.7	787.5	823.1	801.0	820.0
60	651.0	583.8	660.3	663.0	695.9	658.5	663.4	655.7	637.5	668.1	651.0	665.0
Growing Degree Units for Corn (Monthly)												
50/86	938.7	844.1	938.2	922.0	958.0	917.3	940.0	935.9	906.0	941.2	917.5	948.9

Growing Degree Units (Accumulated Monthly)												
40	1271	2415	3695	4958	6274	7532	8816	10092	11329	12617	13868	15153
45	1116	2120	3245	4358	5519	6628	7756	8877	9964	11097	12198	13328
50	961	1825	2795	3758	4764	5722	6696	7662	8599	9577	10528	11503
55	806	1530	2345	3158	4009	4818	5636	6447	7234	8057	8858	9678
60	651	1235	1895	2558	3254	3912	4576	5232	5869	6537	7188	7853
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	939	1783	2721	3643	4601	5518	6458	7394	8300	9241	10159	11108

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