

Summary of Monthly Normals
1991-2020

Generated on 04/30/2024

Current Location: Elev: 9520 ft. Lat: 40.5831° N Lon: 105.6319° W

Station: **HOURLASS RSVR, CO US USC00054135**

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	31.0	10.8	20.9	2.7	2.9	2.6	0.0	0.0	0.0	0.0	0.0	0.0	1057.2	1119.1	1212.1	1367.1	0.0	0.0	0.6	16.5	30.9	4.8
02	32.7	10.0	21.4	3.1	3.7	3.2	0.0	0.0	0.0	0.0	0.0	0.0	942.0	998.1	1082.1	1222.1	0.0	0.0	1.1	13.1	27.8	4.3
03	40.1	15.3	27.7	3.0	2.9	2.8	0.0	0.0	0.0	0.0	0.0	0.0	846.4	908.3	1001.3	1156.3	0.0	0.0	5.8	7.0	30.4	1.9
04	45.1	20.0	32.5	3.4	2.7	3.0	0.0	0.0	0.0	0.0	0.0	0.0	673.4	733.5	823.5	973.5	0.0	0.0	11.7	4.1	28.5	0.5
05	55.3	28.0	41.6	3.9	2.2	2.8	2.0	0.9	0.2	0.0	0.0	0.0	415.8	476.7	569.0	723.8	0.0	0.0	22.3	0.7	22.9	0.0
06	68.1	36.4	52.3	4.2	2.1	3.1	45.0	25.8	8.7	0.5	0.0	0.0	127.6	168.3	241.2	383.0	0.0	0.0	28.8	0.0	5.8	0.0
07	74.3	42.8	58.6	2.7	2.0	2.2	133.8	88.5	37.8	4.1	0.0	0.0	23.8	40.5	82.8	204.2	0.0	0.1	31.0	0.0	0.5	0.0
08	71.6	41.1	56.4	2.5	1.7	1.9	84.0	48.7	16.7	1.2	0.0	0.0	42.2	68.8	129.9	269.4	0.0	0.0	30.9	0.0	0.9	0.0
09	64.8	34.3	49.6	2.9	2.1	2.2	19.5	8.7	1.7	0.0	0.0	0.0	183.1	232.2	315.3	463.6	0.0	0.0	27.9	0.2	10.2	0.0
10	51.3	25.5	38.4	3.5	2.8	2.9	0.6	0.1	0.0	0.0	0.0	0.0	515.1	576.7	669.6	824.6	0.0	0.0	18.8	2.3	24.6	0.3
11	39.0	17.7	28.3	4.6	4.2	4.3	0.1	0.0	0.0	0.0	0.0	0.0	799.6	859.5	949.5	1099.5	0.0	0.0	5.8	8.5	27.9	1.3
12	31.0	10.8	20.9	2.5	2.7	2.4	0.0	0.0	0.0	0.0	0.0	0.0	1056.9	1119.0	1212.0	1367.0	0.0	0.0	0.7	16.7	30.8	4.5
Summary	50.4	24.4	37.4	3.2	2.7	2.8	285	173	65	6	0	0	6683	7301	8288	10054	0.0	0.1	185.4	69.1	241.2	17.6

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	1.23	9.2	5.3	0.2	0.0	0.94	1.24	1.48	
02	1.52	10.2	5.8	0.3	0.0	0.89	1.24	2.11	
03	2.26	9.8	6.6	0.9	0.2	1.59	2.00	2.46	
04	2.61	10.9	8.0	1.5	0.2	1.60	2.50	3.22	
05	2.28	10.3	5.9	1.3	0.2	1.53	2.02	2.83	
06	1.36	9.6	4.0	0.5	0.1	0.87	1.35	1.85	
07	1.95	13.2	6.1	0.8	0.2	1.13	1.80	2.40	
08	1.74	14.3	6.0	0.5	0.0	1.31	1.68	2.19	
09	1.57	9.4	4.1	0.7	0.1	0.77	1.35	1.90	
10	1.36	7.6	4.9	0.7	0.1	0.81	1.05	1.86	
11	1.34	8.6	5.4	0.3	0.0	0.88	1.31	1.72	
12	1.35	9.0	5.1	0.3	0.0	0.81	1.17	1.81	
Summary	20.57	122.1	67.2	8.0	1.1	13.13	18.71	25.83	

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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	16.20	9.2	7.5	2.3	0.8	0.1	31.0	30.9	30.4	23.9	10.60	15.40	21.00
02	20.00	10.1	8.7	2.6	0.9	0.1	28.5	28.5	28.5	26.1	11.50	15.50	24.40
03	28.50	9.6	8.4	3.5	1.6	0.5	31.0	30.8	30.6	29.9	20.90	25.00	31.00
04	35.70	10.4	9.1	4.0	2.3	0.6	28.6	27.8	27.1	24.5	23.00	36.00	47.00
05	14.80	5.3	4.2	2.0	1.0	0.3	12.9	10.9	9.8	7.3	4.00	11.00	21.00
06	1.60	0.7	0.6	0.3	0.1	0.0	0.5	0.3	0.1	0.0	0.00	0.00	3.00
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	2.50	0.9	0.8	0.3	0.1	0.0	1.3	0.5	0.2	0.0	0.00	0.50	3.50
10	13.60	5.4	4.7	1.8	1.1	0.2	9.4	5.2	3.5	1.1	5.40	10.50	17.20
11	21.40	8.4	7.3	2.4	0.9	0.2	24.5	19.3	13.7	4.4	14.20	22.00	25.00
12	19.50	9.1	7.7	2.3	0.7	0.0	30.6	29.0	26.6	12.9	11.90	18.20	24.40
Summary	173.8	69.1	59.0	21.5	9.5	2.0	198.3	183.2	170.5	130.1	101.5	154.1	217.5

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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	0.4	0.5	4.6	22.0	129.1	372.7	574.8	507.3	302.1	86.4	13.4	0.9
45	0.0	0.0	0.5	4.0	51.7	237.1	420.7	354.3	175.9	30.2	2.3	0.1
50	0.0	0.0	0.0	0.4	12.8	122.6	270.6	206.8	76.4	6.8	0.3	0.0
55	0.0	0.0	0.0	0.0	2.0	45.0	133.8	84.0	19.5	0.6	0.1	0.0
60	0.0	0.0	0.0	0.0	0.2	8.7	37.8	16.7	1.7	0.0	0.0	0.0
Growing Degree Units for Corn (Monthly)												
50/86	0.7	1.2	9.1	30.4	120.1	275.4	378.2	336.0	230.2	84.9	13.6	0.9

Growing Degree Units (Accumulated Monthly)												
40	0	1	6	28	157	529	1104	1611	1914	2000	2013	2014
45	0	0	0	4	56	293	714	1068	1244	1274	1277	1277
50	0	0	0	0	13	136	406	613	690	696	697	697
55	0	0	0	0	2	47	181	265	284	285	285	285
60	0	0	0	0	0	9	47	63	65	65	65	65
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	2	11	41	162	437	815	1151	1381	1466	1480	1481

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