

Summary of Monthly Normals
1981-2010

Generated on 05/20/2024

Current Location: Elev: 1480 ft. Lat: 46.9692° N Lon: 120.5400° W

Station: ELLENSBURG, WA US USC00452505

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	35.3	21.0	28.2	4.3	5.1	4.5	0	0	0	0	0	0	832	894	987	1142	0.0	0.0	0.9	9.7	28.7	1.2
02	42.0	23.6	32.8	5.1	4.3	4.4	0	0	0	0	0	0	621	677	761	901	0.0	0.0	3.9	3.1	24.4	0.5
03	53.1	29.2	41.1	3.3	2.2	2.4	-7777	-7777	-7777	-7777	0	0	430	492	585	739	0.0	0.0	20.9	0.3	21.2	0.0
04	60.6	34.4	47.5	2.4	2.2	2.1	13	7	3	-7777	-7777	-7777	238	292	378	525	0.0	0.0	28.3	0.0	11.0	0.0
05	68.7	42.3	55.5	2.9	1.9	2.1	99	71	40	12	3	1	84	118	180	307	0.0	0.5	31.0	0.0	1.9	0.0
06	75.5	48.8	62.2	3.3	1.9	2.4	226	178	116	47	14	8	12	23	52	132	-7777	2.0	30.0	0.0	-7777	0.0
07	84.0	53.8	68.9	3.9	2.3	3.0	431	371	284	158	66	42	1	2	8	37	0.5	8.7	31.0	0.0	0.0	0.0
08	83.8	52.3	68.0	2.5	1.9	1.9	405	344	257	133	52	31	1	2	7	39	0.4	7.9	31.0	0.0	0.0	0.0
09	75.6	43.4	59.5	3.9	2.3	2.8	169	128	78	25	5	2	34	53	93	190	0.0	1.8	30.0	0.0	0.9	0.0
10	61.8	33.5	47.6	3.1	2.3	2.1	15	8	2	-7777	0	0	243	298	385	538	0.0	0.0	28.9	0.0	13.4	0.0
11	45.1	26.9	36.0	4.0	4.6	4.1	0	0	0	0	0	0	570	630	720	870	0.0	0.0	8.6	2.0	22.3	0.3
12	33.0	19.5	26.3	5.2	6.1	5.6	0	0	0	0	0	0	891	953	1046	1201	0.0	0.0	0.6	13.2	28.8	1.5
Summary	59.9	35.7	47.8	3.7	3.1	3.1	1358	1107	780	375	140	84	3957	4434	5202	6621	0.9	20.9	245.1	28.3	152.6	3.5

-7777: a non-zero value that would round to zero
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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	1.19	9.4	4.2	0.3	-7777	0.59	1.12	1.58
02	0.82	6.9	3.0	0.2	0.0	0.33	0.69	1.30
03	0.68	6.8	2.3	0.1	-7777	0.25	0.58	1.00
04	0.61	6.9	2.3	-7777	0.0	0.30	0.55	0.97
05	0.65	7.4	2.2	0.1	0.0	0.39	0.58	0.85
06	0.59	6.0	1.9	0.2	0.0	0.19	0.41	0.84
07	0.33	2.8	0.9	0.1	0.0	0.05	0.24	0.54
08	0.24	2.5	0.7	-7777	-7777	0.03	0.12	0.26
09	0.45	3.2	1.2	0.3	-7777	0.03	0.19	0.73
10	0.60	5.9	1.7	0.1	0.0	0.29	0.49	0.80
11	1.24	9.9	3.9	0.4	-7777	0.68	1.10	1.81
12	1.56	10.3	4.8	0.5	-7777	0.65	1.34	2.11
Summary	8.96	78.0	29.1	2.3	0.0	3.78	7.41	12.79

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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	6.9	4.9	3.0	0.8	0.2	0.0	19.2	16.3	12.4	4.9	1.5	2.7	12.5
02	2.6	1.9	1.1	0.3	-7777	0.0	9.2	7.3	5.5	0.9	0.0	1.0	3.5
03	0.7	0.6	0.4	0.1	0.0	0.0	0.9	0.5	0.2	0.1	0.0	0.0	0.1
04	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
05	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
06	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
07	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
08	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
09	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
10	-7777	-7777	0.0	0.0	0.0	0.0	-7777	0.0	0.0	0.0	0.0	0.0	0.0
11	3.4	1.8	1.1	0.4	0.1	-7777	3.2	1.6	0.8	0.4	0.0	1.0	4.4
12	7.5	6.2	3.9	1.3	0.4	0.1	16.4	12.2	7.4	2.8	4.3	7.2	9.8
Summary	21.1	15.4	9.5	2.9	0.7	0.1	48.9	37.9	26.3	9.1	5.8	11.9	30.3

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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	2	7	89	232	481	665	896	870	585	247	35	1
45	-7777	-7777	25	116	329	515	741	714	436	126	9	-7777
50	0	-7777	5	45	197	365	586	559	293	50	1	-7777
55	0	0	-7777	13	99	226	431	405	169	15	0	0
60	0	0	-7777	3	40	116	284	257	78	2	0	0
Growing Degree Units for Corn (Monthly)												
50/86	1	7	74	161	293	400	557	542	384	187	20	1
Growing Degree Units (Accumulated Monthly)												
40	2	9	98	330	811	1476	2372	3242	3827	4074	4109	4110
45	0	0	25	141	470	985	1726	2440	2876	3002	3011	3011
50	0	0	5	50	247	612	1198	1757	2050	2100	2101	2101
55	0	0	0	13	112	338	769	1174	1343	1358	1358	1358
60	0	0	0	3	43	159	443	700	778	780	780	780
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	1	8	82	243	536	936	1493	2035	2419	2606	2626	2627

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