

Summary of Monthly Normals
1981-2010

Generated on 05/20/2024

Current Location: Elev: 373 ft. Lat: 46.3119° N Lon: 119.2633° W

Station: RICHLAND, WA US USC00457015

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	40.7	28.8	34.8	4.8	4.4	4.5	-7777	0	0	0	0	0	628	690	783	938	0.0	0.0	6.3	6.3	18.6	0.2
02	47.4	30.1	38.8	4.5	3.9	4.0	1	1	-7777	-7777	0	0	456	512	595	735	0.0	0.0	12.1	1.8	16.3	0.1
03	57.5	35.4	46.4	3.1	2.1	2.3	5	2	1	-7777	0	0	270	329	421	575	0.0	0.0	26.9	0.2	9.4	0.0
04	65.1	40.5	52.8	2.5	1.9	2.0	41	24	9	2	-7777	-7777	107	150	225	368	0.0	0.0	29.8	0.0	1.8	0.0
05	73.3	47.5	60.4	3.1	2.0	2.4	189	144	89	34	10	5	21	38	77	177	0.1	1.4	31.0	0.0	-7777	0.0
06	80.1	54.0	67.0	3.1	1.6	2.2	362	304	220	106	38	22	1	2	8	44	0.1	3.7	30.0	0.0	0.0	0.0
07	88.3	59.1	73.7	3.8	2.0	2.8	580	518	425	274	143	101	0	0	-7777	5	1.4	13.7	31.0	0.0	0.0	0.0
08	87.5	58.3	72.9	2.1	2.0	1.8	555	493	400	250	122	83	0	-7777	1	5	0.8	12.5	31.0	0.0	0.0	0.0
09	78.3	50.3	64.3	3.5	2.3	2.6	285	231	156	66	18	9	6	12	27	87	0.0	2.1	30.0	0.0	0.1	0.0
10	64.4	40.4	52.4	2.2	2.2	1.8	47	29	13	1	-7777	-7777	128	172	248	392	0.0	0.0	29.9	0.0	3.3	0.0
11	49.1	33.7	41.4	4.0	3.7	3.8	4	2	-7777	0	0	0	412	470	558	708	0.0	0.0	14.6	1.4	12.0	-7777
12	38.3	27.4	32.8	4.5	4.5	4.3	-7777	-7777	-7777	0	0	0	687	749	842	996	0.0	0.0	3.9	7.3	21.9	0.3
Summary	64.2	42.1	53.1	3.4	2.7	2.9	2069	1748	1313	733	331	220	2716	3124	3785	5030	2.4	33.4	276.5	17.0	83.4	0.6

-7777: a non-zero value that would round to zero

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	1.01	10.8	4.0	0.1	0.0	0.68	1.00	1.32	
02	0.77	8.3	2.8	0.1	0.0	0.49	0.71	1.07	
03	0.69	8.0	2.5	0.1	0.0	0.28	0.69	1.09	
04	0.60	6.4	2.1	0.0	0.0	0.27	0.50	0.87	
05	0.65	6.5	2.4	0.1	0.0	0.30	0.71	0.82	
06	0.50	4.5	1.7	0.1	0.0	0.20	0.55	0.72	
07	0.25	2.6	0.6	0.1	0.0	0.05	0.16	0.26	
08	0.16	2.4	0.5	0.0	0.0	0.03	0.10	0.18	
09	0.31	3.1	1.1	0.1	0.0	0.07	0.20	0.50	
10	0.54	5.3	1.6	0.1	-7777	0.23	0.43	0.98	
11	1.02	10.6	3.6	0.2	0.0	0.46	1.02	1.28	
12	1.12	11.2	4.1	0.2	0.0	0.74	0.88	1.64	
Summary	7.62	79.7	27.0	1.2	0.0	3.80	6.95	10.73	

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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	1.9	1.5	0.5	0.1	0.0	0.0	4.6	1.8	1.0	0.2	0.0	0.1	2.1
02	1.9	0.9	0.4	0.3	0.1	0.0	1.6	1.1	0.5	0.1	0.0	0.0	0.0
03	0.2	0.3	0.1	0.0	0.0	0.0	0.3	0.1	-7777	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	0.1	0.4	0.1	0.1	-7777	0.0	0.4	0.3	0.3	0.0	0.0	0.0	0.0
12	2.3	1.9	0.8	0.1	0.0	0.0	4.1	1.7	0.4	0.1	0.0	1.9	3.4
Summary	6.4	5.0	1.9	0.6	0.1	0.0	11.0	5.0	2.2	0.4	0.0	2.0	5.5

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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	40	64	214	384	632	811	1044	1020	729	388	120	27
45	10	18	96	237	477	662	889	865	579	245	50	7
50	1	4	28	114	325	512	735	710	430	124	16	1
55	-7777	1	5	41	189	362	580	555	285	47	4	-7777
60	0	-7777	1	9	89	220	425	400	156	13	-7777	-7777
Growing Degree Units for Corn (Monthly)												
50/86	14	31	127	228	376	501	666	652	451	229	50	8

Growing Degree Units (Accumulated Monthly)												
40	40	104	318	702	1334	2145	3189	4209	4938	5326	5446	5473
45	10	28	124	361	838	1500	2389	3254	3833	4078	4128	4135
50	1	5	33	147	472	984	1719	2429	2859	2983	2999	3000
55	0	1	6	47	236	598	1178	1733	2018	2065	2069	2069
60	0	0	1	10	99	319	744	1144	1300	1313	1313	1313
Growing Degree Units for Corn (Monthly Accumulated)												
50/86	14	45	172	400	776	1277	1943	2595	3046	3275	3325	3333

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