

U. S. DEPARTMENT OF AGRICULTURE
WEATHER BUREAU

ANNUAL METEOROLOGICAL SUMMARY

WITH COMPARATIVE DATA

1930

YAKIMA, WASHINGTON

Compiled by
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FORT WORTH, TEXAS
1931

SUMMARY FOR THE YEAR OF 1930, YAKIMA, WASHINGTON

Month	Temperature				Relative Humidity (per cent)		Precipitation				Sunshine		Wind*			Number of days																		
	Means		Extremes		Date	Mean	Total	Greatest in 24 hours	Date	Snowfall.	Number of hours	Per cent of possible	Average hourly velocity	Prevailing direction	Highest		Winds (33 miles per hour or over)	Clear	Partly cloudy	Cloudy	With precipitation (0.01 inch or more)	Thunderstorms	Dense Fog	Max. temp.		Min. temp.								
															Date	Lowest								Direction	Velocity	32° or below	90° or above	32° or below	90° or below					
	Maximum	Minimum	Monthly	Highest																														
January...	24	7	16	52	-1	21	71	54	57	0.52	0.24	28-29	7.0	148	53	3.4	SE	23	3W	4	0	12	6	13	8	8	0	0	26	6	31	9		
February	49	31	40	64	17	23	1	81	59	59	1.19	0.45	18-19	2.6	166	57	3.8	NW	30	W	2	0	3	11	14	7	4	0	1	0	0	18	0	
March.....	59	36	48	80	28	2	64	32	33	0.20	0.11	29-30	0.0	299	81	5.6	NW	32	W	21	0	14	10	7	6	0	0	0	0	0	0	9	0	
April	69	43	56	80	21	33	1	67	34	29	0.08	0.03	25	0.0	300	73	5.0	NW	29	SW	3	0	8	11	11	5	0	0	0	0	0	0	0	0
May	70	46	58	82	13	36	7	56	28	28	0.41	0.25	30	0.0	333	71	6.5	NW	26	SW	20	0	10	11	10	5	9	1	0	0	0	0	0	0
June.....	77	51	64	90	9	40	3	62	28	29	0.44	0.14	20-27	0.0	382	80	5.7	NW	24	SW	12	0	14	6	10	4	0	2	0	0	1	0	0	0
July	90	61	75	103	13	51	3	49	21	20	0.02	0.02	1	0.0	422	88	6.2	NW	21	NW	15	0	24	3	4	1	0	1	0	0	17	0	0	0
August....	90	61	75	102	11	54	21	53	24	20	T	15, 18	0.0	366	83	5.3	NW	23	SE	18	0	20	8	3	0	0	2	0	0	13	0	0	0	0
September.	77	51	64	92	3	37	25	69	35	34	0.15	0.14	10	0.0	255	68	4.2	NW	17	W	6	0	14	11	5	2	0	0	0	1	0	0	0	0
October...	62	36	49	80	3	24	15	77	42	46	0.24	0.12	7	0.0	235	70	3.3	NW	26	SW	14	0	15	8	8	4	0	0	1	0	0	9	0	0
November.	46	30	38	63	8	20	18	84	64	66	0.39	0.21	15	5.5	106	38	2.6	SE	21	W	12	0	6	8	16	5	4	0	1	2	0	21	0	0
December.	36	28	32	48	17	19	31	87	78	78	0.26	0.09	12	0.9	53	20	2.5	SE	21	NW	17	0	2	3	26	7	4	0	3	9	0	27	0	0
Year	62	40	51	103	July 13	Jan. 21	68	42	42	3.90	0.45	Feb. 18-19	15	0	3065	65	4.5	NW	32	W	21	0	142	96	127	54	20	6	6	37	32	115	9	9

*By 3 cup anemometer

Monthly and Annual Precipitation

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	An'n
1900	...	...	...	...	...	...	...	...	...	...	...	...	...
1901	...	...	...	...	...	...	...	...	...	...	...	...	...
1902	...	...	...	...	...	...	...	...	...	...	...	...	...
1903	...	...	...	...	...	...	...	...	...	...	...	...	...
1904	...	...	...	...	...	...	...	...	...	...	...	...	...
1905	...	...	...	...	...	...	...	...	...	...	...	...	...
1906	...	...	...	...	...	...	...	...	...	...	...	...	...
1907	...	...	...	...	...	...	...	...	...	...	...	...	...
1908	...	...	...	...	...	...	...	...	...	...	...	...	...
1909	1.84	1.13	0.18	...	...	...	...	...	0.74	0.32	1.76	0.93	...
1910	0.73	0.64	0.21	0.08	0.35	0.55	0.00	0.12	0.38	0.12	1.49	0.71	5.38
1911	0.40	0.34	0.23	0.11	1.10	0.32	0.02	0.21	2.21	0.12	0.04	0.28	5.38
1912	1.82	0.55	0.21	0.63	0.27	0.98	0.22	0.50	0.17	0.47	1.04	0.36	7.22
1913	0.88	0.30	0.02	0.51	0.67	0.78	T	0.02	0.36	0.96	1.49	0.84	6.83
1914	2.09	0.53	0.03	0.69	0.90	0.21	0.17	0.00	0.75	1.51	0.71	0.81	8.40
1915	1.17	1.30	0.77	0.62	1.28	1.11	0.43	0.05	T	0.29	1.85	1.56	10.43
1916	0.71	1.60	1.17	0.44	0.13	0.63	1.35	T	T	0.05	0.40	0.74	7.22
1917	0.23	0.47	0.31	0.59	0.70	0.28	0.01	0.00	0.34	T	1.28	1.96	1.67
1918	0.64	0.73	0.24	T	0.65	0.11	0.28	0.30	0.30	1.14	0.51	0.75	5.65
1919	1.00	0.99	0.10	0.38	0.58	0.04	0.03	0.08	0.69	0.12	0.50	0.99	5.50
1920	0.94	0.04	0.02	0.53	0.39	0.33	0.25	0.44	1.18	0.55	1.35	1.82	7.84
1921	1.52	0.59	0.25	0.35	0.92	0.27	T	0.02	0.27	0.31	2.33	1.24	8.07
1922	0.23	0.18	0.74	0.03	0.13	T	0.00	0.18	0.43	0.85	0.11	1.20	4.08
1923	0.45	0.30	0.19	0.38	0.42	0.48	1.97	0.80	0.86	0.49	0.24	1.07	7.65
1924	0.59	0.57	0.02	0.04	0.04	0.04	0.18	0.59	0.50	1.03	2.08	0.42	6.10
1925	0.71	0.98	0.13	0.64	1.07	0.08	T	T	0.87	1.14	0.47	1.02	6.11
1926	0.53	1.36	0.02	0.05	0.14	0.27	T	0.29	0.26	0.40	3.11	1.19	7.62
1927	2.08	0.98	0.18	0.01	0.32	0.16	0.03	0.01	0.93	0.90	1.43	0.06	7.14
1928	1.41	0.05	0.70	1.21	0.20	0.20	0.13	0.08	0.38	0.47	0.62	1.81	7.26
1929	1.50	0.01	0.45	0.09	0.18	0.55	T	T	0.17	0.05	T	1.13	4.13
1930	0.52	1.19	0.20	0.08	0.41	0.44	0.02	T	0.15	0.24	0.39	0.26	3.90
Means.	1.00	0.67	0.29	0.36	0.52	0.37	0.24	0.18	0.54	0.48	1.05	0.96	6.66

Seasonal Snowfall

Season	Oct.	Nov.	Dec.					Jan.	Feb	Mar.	Apr.	May	Total
1890	..	..	..	..	..	..	..	..	..	..	..	..	..
1900	..	..	..	..	..	..	..	..	..	..	..	..	..
1901	..	..	..	..	..	..	..	..	..	..	..	..	..
1902	..	..	..	..	..	..	..	..	..	..	..	..	..
1903	..	..	..	..	..	..	..	..	..	..	..	..	..
1904	..	..	..	..	..	..	..	..	..	..	..	..	..
1905	..	..	..	..	..	..	..	..	..	..	..	..	..
1906	..	..	..	..	..	..	..	..	..	..	..	..	..
1907	..	..	..	..	..	..	..	..	..	..	..	..	..
1908	..	..	..	..	..	..	..	..	..	..	..	..	..
1909-10.	..	..	8.5	..	..	..	..	3.8	7.0	..	..	..	19.3
1910-11.	..	5.4	3.6	..	..	..	..	2.6	3.9	T	..	T	15.5
1911-12	..	0.7	2.5	..	..	..	..	14.4	T	T	..	..	17.6
1912-13.	..	..	2.1	..	..	..	..	12.3	6.1	0.2	..	..	20.7
1913-14.	..	T	9.2	..	..	..	..	14.8	1.0	T	..	..	25.0
1914-15.	..	T	6.4	..	..	..	..	15.5	2.5	..	..	..	24.4
1915-16.	..	7.3	12.8	..	..	..	..	11.8	18.5	2.0	T	..	52.4
1916-17.	..	0.6	12.0	..	..	..	..	3.8	3.8	T	..	..	20.2
1917-18.	T	4.0	3.4	..	..	..	..	3.0	4.1	T	T	..	14.5
1918-19.	..	T	4.2	..	..	..	..	4.3	6.8	T	..	..	15.3
1919-20.	T	2.3	8.0	..	..	..	..	7.5	T	T	2.0	..	19.8
1920-21.	..	T	9.8	..	..	..	..	15.1	5.5	T	T	..	30.4
1921-22.	..	25.4	9.2	..	..	..	..	3.9	2.4	T	..	T	40.9
1922-23	..	T	10.7	..	..	..	..	1.4	2.6	0.5	..	..	15.2
1923-24.	..	..	6.5	..	..	..	..	6.7	T	T	..	..	13.2
1924-25.	T	4.4	3.3	..	..	..	..	6.9	0.4	..	..	..	15.0
1925-26.	..	2.0	3.6	..	..	..	..	3.0	T	..	T	T	8.6
1926-27.	..	5.4	10.3	..	..	..	..	10.5	4.5	T	..	..	30.7
1927-28.	..	1.2	1.9	..	..	..	..	13.1	0.5	T	..	..	16.7
1928-29.	..	T	14.3	..	..	..	..	21.3	0.2	T	T	..	35.8
1929-30.	..	T	5.4	..	..	..	..	7.0	2.6	..	..	..	15.0
Means	T	2.8	7.0	.....	.....	.....	.....	8.7	3.4	0.1	0.1	T	22.1

Note.—Data in this summary taken from the following Weather Bureau records: Special meteorological station, 1909 to November 15, 1928; all instruments ground exposure. First-order station after November 15, 1928; elevation of barometer 1102 feet; height of thermometers above ground 58 feet, rain gage 52 feet.

Monthly and Annual Mean Temperature

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1909....	19.4	38.3	46.6	....	....	....	....	....	63.5	50.7	40.0	24.6	....
1910....	27.5	31.2	49.7	55.4	63.7	64.8	74.4	68.0	61.8	53.6	39.2	32.0	51.8
1911....	30.6	33.6	47.2	55.6	56.9	68.4	76.0	70.4	58.5	49.1	37.8	31.8	51.3
1912....	26.6	38.8	42.4	52.5	62.0	69.9	71.2	67.3	59.4	47.1	40.1	32.4	50.8
1913....	25.9	28.8	41.0	52.7	58.9	66.3	70.4	71.2	60.4	49.0	41.2	31.6	49.8
1914....	34.2	35.2	47.8	54.4	62.2	64.4	73.4	71.2	58.2	52.8	40.4	22.6	51.4
1915....	24.6	37.8	49.1	55.5	58.0	64.8	69.4	73.8	59.6	51.8	37.2	30.2	51.0
1916....	19.8	33.8	44.9	52.4	55.6	63.6	66.2	70.3	61.8	50.5	34.8	26.4	48.3
1917....	26.8	34.2	38.4	47.5	58.0	63.0	74.0	74.2	64.2	53.4	43.1	38.0	51.2
1918....	35.0	33.8	43.4	53.6	57.0	70.4	73.0	67.8	67.4	52.5	39.4	33.3	52.2
1919....	33.5	35.4	45.4	53.5	58.6	63.6	72.6	71.4	60.3	48.0	37.8	21.0	50.1
1920....	28.4	36.3	43.9	48.2	56.4	63.6	74.8	71.0	61.0	49.8	39.1	32.8	50.4
1921....	30.6	35.6	45.0	49.8	60.2	67.0	71.0	71.8	58.1	52.8	36.9	30.8	50.8
1922....	18.2	30.0	40.6	49.0	57.9	72.2	74.6	71.0	63.0	52.8	36.7	23.4	49.1
1923....	34.0	29.8	42.9	51.6	58.2	65.3	73.5	73.0	64.0	51.2	41.0	32.2	51.4
1924....	26.0	41.5	43.8	51.4	65.2	66.3	72.2	70.2	61.8	50.2	37.1	23.9	50.8
1925....	34.1	41.4	45.4	54.6	62.0	67.2	76.0	70.4	62.2	51.2	37.2	35.8	53.1
1926....	32.4	41.2	49.0	56.7	56.5	70.0	74.8	70.3	56.5	51.5	39.7	27.4	52.2
1927....	26.1	37.4	43.6	49.9	56.2	68.0	73.2	71.7	59.9	50.8	42.2	27.2	50.5
1928....	29.0	37.1	45.9	48.7	63.8	66.4	76.2	70.6	63.0	51.6	40.6	30.3	51.9
1929....	16.9	23.4	45.0	49.0	60.2	65.5	72.6	74.6	61.6	54.4	37.8	34.4	49.5
1930....	15.7	39.8	47.7	56.0	58.5	63.9	75.4	75.1	63.7	48.9	38.2	31.6	51.2
Means	27.1	35.2	44.9	52.3	59.3	66.4	73.1	71.2	61.4	51.1	39.0	29.7	50.9

Extremes of Temperature 1909-1930

Month	High-est	Year	Day	Low-est	Year	Day
January.....	60	1913†	2	-21	1909	9
February.....	66	1926	27	-11	1929	9
March.....	82	1911	31	13	1917†	2
April.....	94	1926	28	22	1918†	4
May.....	98	1928	25	28	1922†	8
June.....	103	1925†	26†	32	1925	3†
July.....	111	1928	26	41	1924	15
August.....	102	1920†	15	36	1925	24†
September.....	98	1928	1†	20	1926	24
October.....	89	1919	7	12	1919	25
November.....	70	1927	3	5	1911	11
December.....	66	1921†	12	-24	1919	13

† In other years or on other dates also.

Frost Data 1909-1930

Last killing in Spring					First killing in Autumn								
Year	Feb.	Mar.	Apr.	May					Sept.	Oct.	Nov.	Dec.	Days*
1900													
1901													
1902													
1903													
1904													
1905													
1906													
1907													
1908													192
1909		29								7			194
1910			15							26			166
1911				6						19			200
1912		21								7			182
1913			28							27			200
1914			20								6		220
1915		31									6		152
1916				11						10			172
1917			29							18			164
1918				19						30			170
1919			12					29					189
1920			9						15				139
1921			26					12					204
1922			13								3		177
1923				2						26			166
1924			26							9			203
1925		29								18			173
1926			4					24					195
1927			19							31			188
1928			8							13			209
1929			9								4		161
1930				7						15			179
1931			18							24			179
1932			20										

Average, April 18.

Average, October 18.

Average length of growing season 183 days.

*Number of growing days.

WBO. Fort Worth, Texas.—2-17-1931—600 H.A.S.