

SEPTEMBER, 1919.

## CLIMATOLOGICAL DATA: CALIFORNIA SECTION.

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## U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

## CALIFORNIA SECTION.

EDWARD A. BEALS, District Forecaster.

VOL. XXIII. SAN FRANCISCO, SEPTEMBER, 1919. No. 9.

## GENERAL SUMMARY.

Seasonable weather prevailed in California during September. In the interior of the State the mean temperature was somewhat below normal, while along the coast it was slightly above normal. The average precipitation was about twice that usually received during September. Light showers occurred in the extreme north portion of the State on the 7th and 8th. Moderately heavy rain fell throughout northern California and in the mountains of southern California between the 26th and 30th. Snow fell in the high Sierra Nevada Mountains during this period. About 10 inches of snow fell on the 29th and 30th at Huntington Lake, Fresno County, altitude 7,000 feet. Streams which had maintained extremely low stages during the summer began to rise near the close of the month. The heavy rains in the elevated portions of southern California came at an opportune time, as they extinguished several forest fires which were beyond control. During a thunderstorm which occurred near Ferndale, Humboldt County, on the 28th, some stock were killed by lightning. The normal amount of sunshine was received throughout the State, and the wind movement was moderately high along the coast, and light in the interior valleys.

Agriculturally, the weather during September was favorable. It was good weather for drying fruit, and the sun-curing of raisins and prunes was completed without loss from wet weather. There was extensive harvesting of large crops of prunes, grapes, figs, almonds, rice, corn, cotton, potatoes, sugar beets, apples and tomatoes. The bean crop proved to be deficient, both in quantity and quality. Frosts occurred earlier than usual in the mountains and foothills, and the growth of tender vegetation in those regions was thus terminated. Citrus fruits made excellent progress, and were much benefited by the rains. Stock ranges were improved by the showers, and grazing cattle maintained good condition. Sheepshearing was begun near the close of the month. The rains softened the ground sufficiently to permit early fall plowing, and in a few places there was some seeding of winter growing grains. It was favorable weather for general farm work, and much was accomplished. At the close of the month, most agricultural activities were about two weeks ahead of the normal. The season now drawing to a close has been a very satisfactory one, so far as weather conditions are concerned.

A. H. P.

## PRESSURE.

The mean sea level pressure, determined from the records of twelve regular Weather Bureau stations, was 29.87 inches. The highest was 30.27 inches at Eureka on the 11th; the lowest was 29.44 inches at Independence on the 6th; the range for the State was 0.83 inch.

## TEMPERATURE.

The monthly mean temperature for the State, as shown by the records of 101 stations, was 67.3°, which is 1.2° below the normal.

The highest monthly mean was 89.2°, at Greenland Ranch; and the lowest was 51.6°, at La Porte.

The highest temperature, 112°, occurred at Needles on the 21st; and the lowest, 20°, occurred at Portola on the 5th.

The range for the State was 92°.

## PRECIPITATION.

The average precipitation for the State, as shown by the records of 247 stations, was 0.98 inch, or 0.49 inch above the normal.

The greatest monthly amount was 5.39 inches, at Kennett. No rain fell at 5 stations.

The greatest amount in 24 hours was 2.80 inches at Kennett on the 28th.

## RELATIVE HUMIDITY, SUNSHINE AND CLOUDINESS.

Stations.	Relative humidity. (Per cent.)			Sunshine.	
	5 a.m.	5 p.m.	Mean.	Actual No. of hours	Percent of possible.
Eureka.....	92	78	85	198	53
Fresno.....	62	24	43	322	86
Independence.....	35	16	26	336	90
Los Angeles.....	84	66	75	268	72
Mount Tamalpais.....	56	55	56	331	89
Red Bluff.....	60	28	44	282	77
Sacramento.....	75	34	54	313	84
San Diego.....	90	79	84	248	67
San Francisco.....	86	71	78	265	71
San Jose.....	59	59	59	291	78
San Luis Obispo.....	87	59	70	300	81

## WIND MOVEMENT.—(Miles.)

Stations.	Total mov. for month.	Ave. hr. velocity.	Maximum velocity.	Direction.	Date.	Prev. dir.
Eureka.....	3,931	5.5	35	n.	20	sw.
Fresno.....	5,274	7.3	29	nw.	10	nw.
Independence.....	5,327	7.4	30	se.	28	s.
Los Angeles.....	3,678	5.1	18	sw.	79	sw.
Mount Tamalpais.....	12,874	17.9	70	nw.	16	nw.
Point Reyes.....	13,436	18.7	48	nw.	2	nw.
Red Bluff.....	4,498	6.2	24	nw.	19	nw.
Sacramento.....	5,776	8.0	31	sw.	27	s.
San Diego.....	4,555	6.3	20	s.	26	nw.
San Francisco.....	7,975	11.1	40	sw.	21	sw.
San Jose.....	3,847	5.3	20	s.	7	nw.
San Luis Obispo.....	2,989	4.2	18	ne.	12	nw.

## COMPARATIVE DATA FOR SEPTEMBER.

Year.	Mean temp.	Ave. precip.									
1897.....	67.7	0.03	1903.....	68.7	0.10	1909.....	68.2	0.52	1915.....	66.2	0.06
1898.....	69.2	0.64	1904.....	70.3	2.66	1910.....	67.3	0.69	1916.....	66.4	0.56
1899.....	70.9	0.03	1905.....	68.6	0.16	1911.....	63.9	0.19	1917.....	69.0	0.10
1900.....	65.4	0.22	1906.....	68.6	0.25	1912.....	66.5	1.65	1918.....	67.6	2.37
1901.....	66.0	0.94	1907.....	65.6	0.13	1913.....	70.7	0.07	1919.....	67.3	0.98
1902.....	70.7	0.01	1908.....	68.1	0.49	1914.....	66.2	0.23	1920.....	.....	.....

The departures from the normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

+ Also on other dates. a, b, c, etc., indicate respectively, 1, 2, 3, etc., days missing from the record.

## Daily evaporation (inches) and wind movement (miles) for September, 1919.

Stations.	Data.	Day of Month.																														Monthly.
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Chula Vista**1..	Evaporation.....	196	223	172	171	225	210	245	249	237	210	213	192	201	224	197	192	216	237	190	130	160	121	175	215	149	176	201	163	209	213	5,915
	Wind movement.....	101	102	89	94	157	95	110	106	119	107	86	172	189	99	77	84	90	105	90	69	90	74	98	110	90	146	104	114	120	101	2,988
Dodgeland**2....	Evaporation.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Oakdale (near)**3..	Evaporation.....	401	353	394	352	336	341	347	287	335	337	289	368	341	337	298	265	297	369	466	435	401	436	403	398	343	419	299	222	091	021	9,964
	Wind movement.....	149	195	72	136	132	122	146	124	152	121	124	145	146	145	146	185	132	158	102	83	73	89	52	98	168	132	230	300	250	190	6,040
Tahoe**4.....	Evaporation.....	080	156	180	180	210	180	240	254	240	326	310	230	180	090	270	080	310	210	170	270	090	150	250	090	130	210	230	300	250	190	2,327
	Wind movement.....	23	15	83	112	101	91	91	105	103	90	62	94	53	114	6	64	83	139	85	120	100	26	51	99	12	57	61	87	79	115	.....

\* Observation taken at 7 a. m.; \*\* at 8 a. m. + Included in next following entry.  
1 Ele. 9 ft.; 10 miles SE of San Diego. 2 Ele. 125 ft.; 16 miles SW of Chico. 3 Ele. 215 ft.; Woodward Reservoir, 8 miles N of Oakdale. 4 Ele. 6230 feet; float in Lake Tahoe.

## CLIMATOLOGICAL DATA: CALIFORNIA SECTION.

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## Climatological Data for September, 1919.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.					Precipitation, in inches.					Number of days.	Observers				
				Mean.	Highest.	Date.	Lowest.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Departure from the normal.	Showfall (un-melted), inch or more.	Precipitation, 0.1 inch or more.					
Alturas.	Modoc.	4,400	15	56.6	0	93	24	28	23	64	1.92	+1.33	0.65	0	6	14	11	5	w.e.
Antioch.	Contra Costa.	46	40	71.0	-0.1	104	21	48	30	52	0.34	+0.06	0.22	0	27	3	3	w.w.	
Atascadero.	San Luis Obispo.	837	3	66.8	.....	104	23	34	14	62	0.16	0.06	0	3	20	7	3	sw.	
Azusa.	Los Angeles.	30	17	72.6	+1.6	104	23	50	17	53	2.70	+2.42	1.04	0	4	23	3	6	n.w.
Bakersfield.	Kern.	404	30	73.4	-1.3	104	23	51	111	45	0.30	+0.11	0.30	0	1	24	0	1	w.w.
Barstow.	San Bernardino.	2,105	16	70.7	-3.6	98	41	45	23	42	0.15	-0.01	0.15	0	1	28	1	1	w.w.
Berkeley.	Alameda.	317	32	63.6	+2.2	100	19	46	30	43	0.90	+0.32	0.51	0	1	22	6	2	w.w.
Betteravia.	Santa Barbara.	155	6	61.4	.....	84	13	42	13	42	0.21	-0.58	0.20	0	3	21	5	4	se.
Blue Canon.	Placer.	4,695	20	63.6	+4.2	95	21	38	16	41	0.48	.....	0.21	0	1	6	6	18	w.w.
Blythe.	Riverside.	268	10	84.4	.....	111	12	55	30	45	1.11	.....	1.06	0	2	23	2	5	sw.
Bonita.	San Diego.	110	3	68.6	.....	102	24	47	11	50	0.23	.....	0.10	0	3	24	5	1	n.w.
Branscomb.	Mendocino.	2,000	19	60.5	-0.3	100	25	39	17	43	2.54	+1.39	1.52	0	4	23	5	2	w.w.
Brawley.	Imperial.	-105	9	83.0	.....	109	16	56	27	36	0.02	.....	0.02	0	1	23	5	2	sw.
Calexico.	Imperial.	0	14	83.7	.....	107	13	60	18	41	0.89	+0.80	0.78	0	2	24	3	3	se.
Camptonville (near).	Yuba.	3,500	12	56.0	+0.2	96	30	42	15	58	1.11	.....	0.65	0	3	27	2	1	n.w.
Chico.	Butte.	189	49	70.6	-4.0	104	20	45	28	49	0.90	+0.34	0.70	0	3	19	7	4	se.
Claremont.	Los Angeles.	1,200	27	70.8	+0.2	106	23	49	7	49	2.52	+2.39	1.09	0	4	22	4	4	s.e.
Cloverdale.	Sonoma.	340	17	67.0	-0.6	105	19	41	28	52	1.44	+0.78	0.71	0	4	21	6	3	sw.
Colfax.	Placer.	2,421	48	66.9	-2.6	99	20	43	29	39	1.47	+0.80	0.69	0	4	23	3	6	sw.
Corona.	Riverside.	615	5	72.4	.....	104	13	49	17	48	0.66	.....	0.29	0	3	25	1	4	n.w.
Crescent City.	Del Norte.	125	5	61.2	+5.5	97	20	40	27	43	3.19	+1.17	0.70	0	9	21	1	8	T. C. Sias.
Davis.	Yolo.	51	47	70.5	-1.5	104	10	45	30	53	0.55	+0.29	0.32	0	3	27	2	1	sw.
Downieville.	Sierra.	3,150	8	61.5	.....	97	22	34	5	52	1.54	.....	0.78	0	5	18	5	7	s.s.
Durham.	Butte.	160	24	70.6	+0.4	103	19	49	13	49	0.82	.....	0.02	0	4	24	3	3	s.s.
El Cajon.	San Diego.	482	20	70.8	-0.1	102	23	48	11	50	0.30	+0.18	0.14	0	4	25	4	1	sw.
Elsinore.	Riverside.	1,300	3	74.8	.....	105	15	44	30	48	0.45	.....	0.20	0	3	20	6	4	ne.
Escondido.	San Diego.	657	26	68.0	-0.5	102	23	44	17	50	0.50	+0.42	0.32	0	2	25	0	5	w.w.
EUREKA.	Humboldt.	64	33	56.3	+1.4	67	19	45	29	46	1.52	+0.41	0.66	0	10	9	8	13	sw.
Folsom.	Sacramento.	252	46	71.8	0	102	21	48	12	41	0.49	+0.11	0.32	0	3	22	0	8	G. I. Marvin.
Fontana.	San Bernardino.	1,325	7	71.9	.....	104	24	47	18	51	1.34	.....	0.79	0	4	27	0	3	sw.
Fort Bidwell.	Modoc.	4,375	30	58.2	-3.6	88	24	34	112	48	0.86	+0.47	0.38	0	6	14	5	11	sw.
FRESNO.	Fresno.	293	32	73.2	-1.1	99	24	52	30	38	0.29	+0.02	0.24	0	3	24	4	2	n.w.
Grass Valley.	Nevada.	2,690	47	66.3	.....	95	19	42	30	33	0.66	-0.19	0.31	0	4	22	4	4	sw.
Greenland Ranch.	Inyo.	-178	8	89.2	.....	111	4	65	123	41	0.00	.....	0.00	0	0	27	0	3	..
Hammond.	Kings.	249	19	78.9	+6.5	104	11	48	25	50	0.22	-0.23	0.14	0	2	23	0	7	n.
Healdsburg.	Sonoma.	110	26	66.2	+0.5	107	20	43	13	55	0.58	.....	0.39	0	2	17	10	3	s.s.
Hollister.	San Benito.	284	49	63.0	-2.7	93	23	44	25	45	0.35	+0.24	0.35	0	1	24	3	3	sw.
INDEPENDENCE.	San Benito.	3,957	23	69.8	+0.7	91	16	41	31	39	T.	-0.10	T.	0	0	27	7	1	se.
Indio.	Riverside.	-20	41	85.4	-1.1	108	13	59	30	38	1.50	+1.36	1.50	0	1	22	5	7	sw.
Inskip.	Butte.	4,975	12	59.0	.....	83	120	36	30	26	1.17	.....	0.46	0	4	23	0	3	n.w.
Kennett.	Shasta.	730	7	71.9	.....	107	23	46	25	46	5.39	.....	2.30	0	6	21	3	6	ne.
King City.	Mouterey.	333	32	68.2	+1.4	108	23	40	115	60	0.01	-0.22	0.01	0	1	27	0	3	sw.
La Porte.	Plumas.	5,000	25	51.6	-3.6	80	22	30	12	40	1.77	+0.02	0.84	0	5	23	1	6	s.s.
Lemon Cove.	Tulare.	600	24	73.7	-1.2	102	11	48	15	42	0.71	+0.26	0.41	0	2	24	5	1	n.w.
Lick Observatory.	Santa Clara.	4,209	30	60.5	-2.1	83	23	38	30	24	0.72	+0.36	0.35	0	5	25	3	3	sw.
Lindsay.	Tulare.	384	5	71.6	.....	103	24	46	112	49	0.58	.....	0.40	0	2	25	1	4	n.w.
Lone Pine.	Inyo.	3,728	14	63.5	-2.0	92	11	55	123	52	T.	-0.30	T.	0	0	27	3	0	s.s.
LOS ANGELES.	Los Angeles.	293	42	68.3	-1.2	92	12	53	14	34	1.29	+1.23	0.68	0	4	19	6	5	sw.
McCloud.	Siskiyou.	3,270	9	56.2	.....	90	23	30	9	50	3.12	.....	1.01	0	4	19	0	11	s.w.
Madeline.	Lassen.	5,270	10	55.6	.....	91	1	26	5	50	0.55	.....	0.20	0	5	14	8	8	w.w.
Marysville.	Yuba.	67	48	73.2	-0.8	109	20	39	18	62	1.20	-0.85	0.80	0	3	21	0	9	se.
Mecca.	Riverside.	-185	13	85.4	+2.1	107	113	55	30	44	0.04	-0.08	0.03	0	2	25	5	0	sw.
Merced.	Merced.	175	45	70.6	-3.1	101	24	49	113	54	1.04	+0.82	1.04	0	1	25	3	2	n.w.
MOUNT TAMALPAIS.	Marin.	2,375	20	63.0	+3.1	92	23	42	29	28	1.26	+0.63	0.62	0	4	20	7	3	nw.
Mount Wilson.	Los Angeles.	5,704	2	66.6	.....	89	21	38	30	27	4.05	.....	1.35	0	4	24	3	3	s.e.
Napa.	Napa.	20	42	64.5	-1.5	104	19	44	3	52	0.44	-0.07	0.16	0	3	21	8	4	sw.
Needles.	San Bernardino.	477	27	84.5	+0.8	112	21	60	30	48	1.37	+1.13	0.79	0	5	21	4	5	e.e.
Nevada City.	Nevada.	2,850	27	60.6	-1.6	98	20	31	12	55	0.82	+0.07	0.35	0	4	21	4	5	s.e.
Newman.	Stanislaus.	91	30	68.8	-0.8	103	24	44	111	47	0.28	+0.08	0.25	0	2	25	2	3	sw.
Oakland.	Alameda.	322	43	63.0	+1.8	93	19	50	30	29	0.81	+0.35	0.73	0	4	17	9	4	w.e.
Orlando.	Glenn.	254	37	72.2	-4.5	102	23	48	29	41	0.74	-0.26	0.38	0	3	23	4	3	sw.
Oroville (near).	Butte.	250	35	71.5	-1.5	102	21	47	12	43	0.82	+0.13	0.60	0	3	20	1	9	se.
Passadena.	Los Angeles.	868	29	69.4	-0.2	100	12	46	5	49	2.70	+2.55	1.24	0	3	18	9	3	sw.
Paso Robles.	San Luis Obispo.	800	32	67.4	+1.3	106	23	37	15	59	0.10	-0.19	0.07	0	4	24	4	2	n.w.
Petaluma.	Sonoma.	9	5	63.4	.....	107	19	39	3	54	0.25	0	0.15	0	3	24	4	2	w.w.
POINT REYES.	El Dorado.	1,925	30	63.2	+1.7	99	19	39	30	56	1.34	+0.62	1.00	0	4	17	7	6	sw.
Pomona.	Marin.	497	5	68.8	.....	106	23	41	5	62	1.95	.....	1.00	0	4	16	11	3	sw.
Porterville.	Tulare.	464	30	73.9	-1.2	104	24	50	30	45	0.45	+0.16	0.30	0	2	25	3	2	....
Portola.	Plumas.	4,832	4	56.5	.....	89	6	20	5	64	0.00	.....	0.00	0	0	25	5	0	nw.
RED BLUFF.	Tehama.	307	42	72.1	-1.8	101	19	49	29	36	0.66	-0.14	0.47	0	5	22	3	5	n.w.
Redding.	Shasta.	552	44	70.															

## Daily Temperature for September, 1919.

Stations.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean.
Bakersfield.....	94	95	93	94	85	86	85	86	84	89	82	84	93	95	88	89	85	94	98	102	102	103	104	103	102	97	80	75	66	70	90.1	
	Minimum.....	87	66	57	54	56	54	53	52	55	55	51	54	56	52	51	54	58	61	62	60	58	59	61	57	64	62	55	51	53	56.8	
Calexico.....	99	103	106	104	103	99	94	94	95	96	101	104	105	107	106	104	105	103	101	99	100	101	100	99	96	95	85	86	84	85	98.3	
	Minimum.....	73	76	75	76	71	73	68	65	67	70	73	71	74	76	72	71	66	66	65	66	67	66	69	68	72	64	62	61	61	69.1	
Chico.....	93	92	89	84	84	81	72	76	83	84	90	94	90	84	84	95	100	102	104	101	101	101	98	94	90	80	70	67	66	66	87.7	
	Minimum.....	58	58	55	57	49	50	52	56	57	53	56	47	56	53	51	56	50	61	55	60	52	54	55	55	55	45	45	46	46	53.4	
Escondido.....	82	84	85	86	83	80	78	79	83	84	90	94	97	91	89	90	94	80	79	71	80	82	102	98	91	85	70	68	64	70	83.6	
	Minimum.....	57	57	57	51	50	57	46	52	51	48	45	51	54	50	52	51	44	48	48	52	59	52	50	51	59	59	58	55	54	52	52.3
Eureka.....	60	61	64	67	64	62	63	60	61	61	63	67	66	65	61	62	65	65	65	66	60	59	54	56	62	56	60	61	61	62	62.0	
	Minimum.....	52	52	50	56	56	54	50	52	51	54	55	49	51	50	53	54	56	54	52	54	50	46	48	48	49	47	47	45	47	51.0	
Fresno.....	92	93	93	82	86	80	79	82	85	84	81	86	93	92	86	85	86	91	97	99	98	98	99	99	99	97	73	69	63	68	87.3	
	Minimum.....	60	59	60	60	56	59	55	57	57	55	55	52	57	60	53	55	54	61	63	68	67	65	64	67	65	59	54	52	52	59.0	
Independence.....	90	87	90	91	87	86	79	82	85	86	88	87	88	88	90	91	85	84	87	90	88	88	86	86	86	85	77	74	66	66	84.8	
	Minimum.....	61	57	55	54	53	58	47	55	55	57	55	54	56	53	61	58	63	62	59	61	57	51	47	49	54	53	54	52	41	54.9	
Los Angeles.....	79	77	78	77	83	74	74	73	78	80	86	92	88	81	80	81	75	75	74	73	71	75	90	89	89	85	79	67	66	68	69	77.9
	Minimum.....	60	59	58	54	55	61	59	59	58	61	65	60	53	58	59	59	61	61	60	56	59	57	52	50	58	56	58	56	58	58.7	
Merced.....	89	91	90	81	86	79	79	81	83	85	80	86	92	89	85	74	87	92	97	100	98	97	100	101	95	95	94	70	66	68	87.0	
	Minimum.....	55	55	57	53	54	54	55	55	55	53	49	49	54	53	51	55	57	59	57	57	54	54	53	54	52	52	52	52	54.3		
Mount Tamalpais.....	73	71	66	63	64	59	51	56	66	69	62	74	78	68	61	64	73	89	91	90	86	82	84	83	73	51	50	51	53	69.6		
	Minimum.....	68	60	50	47	47	47	49	42	48	47	57	67	49	49	51	55	71	73	74	76	74	77	70	45	45	43	44	56.4			
Oakland.....	67	63	68	68	70	66	65	60	70	75	64	66	68	72	83	85	72	87	77	85	76	71	61	62	60	62	62	62	62	70.3		
	Minimum.....	57	57	54	55	54	54	57	59	55	56	54	54	55	54	58	58	57	62	60	56	58	55	53	54	56	52	51	50	50	55.6	
Orland.....	94	91	91	82	85	84	82	75	83	84	78	90	95	89	83	82	94	99	101	101	99	101	102	97	93	87	71	69	67	63	87.1	
	Minimum.....	66	66	54	54	55	53	54	55	56	55	57	54	53	50	56	54	50	60	74	78	79	73	66	55	51	52	50	48	51	57.4	
Oroville.....	90	91	91	87	81	85	80	70	75	80	78	90	92	90	93	89	82	83	89	99	100	102	100	99	97	93	89	75	79	75	87.2	
	Minimum.....	54	53	53	57	52	50	58	56	55	54	56	47	58	54	50	53	52	65	70	62	60	61	59	55	55	50	55	50	55	55.8	
Paso Robles.....	91	92	94	87	90	81	78	78	83	85	85	91	97	87	90	87	90	97	102	103	104	106	103	102	101	92	85	80	79	70	91.4	
	Minimum.....	46	47	43	47	49	45	42	51	44	41	39	47	39	42	37	42	45	45	46	47	46	47	45	44	42	55	55	49	45	46.4	
Point Reyes.....	59	58	61	60	59	58	57	60	62	63	61	61	63	65	66	65	65	68	66	55	57	55	54	55	55	56	56	56	56	56	60.7	
	Minimum.....	50	50	52	53	53	53	54	53	53	52	53	52	51	54	51	50	51	55	52	52	53	51	51	52	52	52	52	52	52	51.9	
Pomona.....	89	90	90	82	89	84	84	83	89	92	98	102	101	95	96	95	88	77	79	82	88	92	106	101	96	87	66	67	62	71	87.4	
	Minimum.....	56	49	49	47	41	56	46	52	48	47	43	44	50	44	47	42	42	50	59	57	57	44	49	45	57	61	58	55	55	53	50.3
Porterville.....	94	96	86	87	83	85	85	85	81	87	89	96	94	94	86	95	100	95	103	102	102	102	102	101	97	93	85	80	79	70	70	91.4
	Minimum.....	61	61	59	58	51	52	52	51	55	54	52	54	54	54	49	53	53	60	63	63	64	64	60	59	53	50	50	50	50	56.4	
Red Bluff.....	92	86	79	75	81	79	66	73	78	82	82	75	90	95	90	84	81	92	98	100	98	96	98	93	87	67	61	61	61	84.7		
	Minimum.....	59	60	61	61	53	58	55	55	54	56	54	56	54	56	52	57	56	60	61	61	60	62	60	58	52	49	53	59.5			
Redlands.....	61	55	57	56	53	54	52	52	52	52	52	52	56	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55.9		
	Maximum.....	88	85	85	79	83	77	73	73	80	79	77	86	92	82	79	80	90	98	100	100	98	98	100	96	96	82	65	62	64	64	83.5
Sacramento.....	54	53	54	53	52	53	54	56	54	53	53	55	55	54	55	55	55	56	67	66	66	66	66	61	61	62	55	55	52	49	47	56.0
	Minimum.....	93	96	94	96	93	86	84	84	92	95	100	103	103	101	100	98	91	84	90	91	87	101	104	102	100	92	74	67	70	71	91.4
San Bernardino.....	59	54	55	51	47	57	50	55	51	50	48	48	53	50	52	50	44	48	51	55	56	52	51	53	53	56	56	56	56	52.7		
	Minimum.....	71	71	71	70	69	71	72	73	74	78	76	72	73	70	69	69	69	70	70	71	75	73	72	71	69	69	71	71	71.8		
San Diego.....	64	64	63	61	60	60	57	61	61	60	58	61	62	63	62	61	60	60	60	61	60	62	64	64	62	62	62	62	62	61.2		
	Maximum.....	66	62	67	65	61	66	65	66	68	70	69	63	69	63	68	67	63	70	83	87	86	82	80	71	69	65	65	65	64.9		
San Francisco.....	54	54	53	55	55	56	57	55	57	55	57	54	54	55	56	56	54	53	53	53	52	52	53	53	53	53	53	53	53	54.7		
	Minimum.....	76	75	74	74	72	76	73	74	71	74	72	86	73	75	74	71	81	95	97	93	87	86	82	88	80	71	69	65	69	78.0	

**Daily Precipitation for September, 1919.**

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. \*\*\* Regular Weather Bureau station: Precipitation is for the 24-hour period, midnight to midnight.

||| Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. \* Precipitation included in the next following measurement. † Separate dates of fall not recorded. T., trace, or less than 0.01 inch.