

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of September, 1923. Observations taken 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Barometer reduced and corrected in inches to last 45°.	From Self-registering Instruments, for Twenty-four Hours previously.					Solar Radiation.	Terrestrial Radiation.	Veloc. Wind, in Miles.	Amount of Cloud, 0 to 10.	Direction of Wind.	Rainfall in Points (100 to 1 Inch).
		Max. Temp. in Shade.	Min. Temp. in Shade.	Mean Temp. in Shade.	Fah.	Fah.						
1	29.856	56.7	48.0	52.3	117.0	43.6	495	0	W.N.W	8		
2	30.133	60.2	36.2	48.2	125.0	26.6	29	0	N.E.	..		
3	30.370	60.0	36.2	48.1	115.0	24.5	75	9	N.N.E.	..		
4	30.380	58.0	48.0	53.0	114.0	37.1	172	9	N.	..		
5	30.482	57.4	36.4	46.9	123.0	26.0	76	1	N.	..		
6	30.494	58.0	34.7	46.3	112.0	24.5	42	0	N.E.	..		
7	30.419	62.5	35.7	49.1	116.0	25.3	56	1	N.	..		
8	30.250	61.0	42.2	51.6	116.0	30.7	177	3	N.	2		
9	30.116	60.5	49.0	54.7	115.0	42.2	135	10	Calm	59		
10	29.750	59.1	48.5	53.8	76.0	46.5	32	10	S	51		
11	29.342	57.5	49.3	53.4	109.0	43.7	145	9	N.	9		
12	29.326	58.0	53.2	55.6	108.0	50.2	485	9	N.W.	Trace		
13	29.601	57.0	50.4	53.7	111.0	47.5	216	10	N.E.	52		
14	29.726	56.0	48.0	52.0	82.0	45.2	68	9	S.	..		
15	29.863	58.0	39.8	48.9	122.0	28.0	145	7	N.	31		
16	29.660	61.0	51.2	56.1	119.0	50.2	236	10	N.N.E.	5		
17	29.806	60.0	53.0	56.5	113.0	49.1	437	9	N.	2		
18	29.595	57.6	51.7	54.6	117.0	47.2	288	10	N.W.	..		
19	29.703	57.1	46.1	51.6	110.0	36.3	198	10	S.	..		
20	29.776	55.1	40.7	47.9	101.0	28.8	176	9	S.	..		
21	29.840	53.3	46.4	49.8	102.0	44.9	372	10	S.	1		
22	29.501	54.3	48.0	51.1	108.0	45.4	203	10	N.	..		
23	29.641	61.0	46.8	53.9	129.0	37.0	252	8	N.	Trace		
24	29.713	60.5	47.8	54.1	135.0	35.2	189	9	S.	..		
25	29.977	58.3	38.7	48.5	125.0	29.0	122	3	N.	..		
26	29.914	59.3	52.5	55.9	123.0	48.5	434	4	N.N.W	..		
27	30.070	60.0	53.9	56.9	125.0	50.6	424	7	N.W.	..		
28	30.140	60.6	54.5	57.5	127.0	52.2	273	8	N.W.	..		
29	30.174	61.1	51.0	56.0	131.0	45.0	269	5	N.W.	..		
30	30.074	64.5	43.0	53.7	122.0	33.3	119	10	N.E.	..		
31	..	..	..	..	..	..	..	..	..	..
*	29.923	58.8	46.0	52.4	114.9	39.1	215	7.0	..	220		
†	29.937	57.4	45.7	51.5	106.0	39.3	248	5.5	..	410		

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm.
13	4	..	..	6	..	1	5	1

NOTE.—A warm and dry spring month, with northerly winds predominating. Total bright sunshine, 151 hours, 28 minutes, 43 per cent. of the possible, and two sunless days. Frost was recorded on the grass on nine mornings. Mean earth-temperature at 1 ft. was 51.1°, and 51.8° at 3 ft. Mean dew-point, 45.1°; mean elastic force of vapour, 0.301 in.; and mean relative humidity, 76 per cent. of saturation.

SUMMARY FOR THE MONTH OF SEPTEMBER, 1923.

During September there were two periods—viz., between the 2nd and 8th and 24th and 30th when anticyclonic pressure ruled and fair weather was experienced generally. Though conditions were somewhat unsettled between these two periods, general heavy rains only occurred from the 9th to the 12th, when a widespread cyclone held sway. Two distinct westerly disturbances passed in the South on the 17th and 23rd respectively, and a cyclone passed off East Cape about the 19th. Rainfall was in excess of the normal northward of East Cape and Kawhia in the North Island, and in the Nelson and Blenheim districts and about Greymouth, Hokitika, and Arthur's Pass in the South Island. In all other parts of the Dominion there was a deficiency. The general character of the weather may be described as dry, warm, and fair, which, with the occasional spring showers, was favourable to abundant vegetable growth.

D. C. BATES, Director.

CLIMATOLOGICAL TABLE. MEANS AND TOTALS FROM THE CHIEF STATIONS. September, 1923.

Altitude above Sea-level.	Name of Station and Observer.	Absolute Mean Temp. Air in Shade.	Extremes.		Total Rainfall (100 Points to the Inch).	Days with rain (½ Point or more).
			Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
125	AUCKLAND ..	Deg. 54.6	Deg. 60.1	Deg. 49.1	Points. 400	22
131	RUAKURA FARM, HAMILTON EAST	..	62.9	..	407	15
46	TE AROHA ..	55.6	63.4	47.9	586	17
340	WAIHI ..	54.0	63.7	44.4	670	18
100	TAURANGA ..	53.5	61.0	46.0	929	18
925	ROTORUA ..	51.2	59.6	42.8	726	17
60	NEW PLYMOUTH	52.1	58.7	45.5	412	16
250	MOUMAHARI ..	52.4	62.0	42.8	302	9
2080	TAHARUE ..	47.2	54.0	40.5	170	14
100	PALMERSTON NORTH	53.8	59.6	48.1	209	14
5	OROUA DOWNS ..	51.8	61.5	42.2	195	11
119	CENTRAL DEVELOPMENT FARM, WERAROA	51.6	58.6	44.5	311	14
377	MASTERTON ..	51.1	61.2	41.0	142	11
186	GREYTOWN ..	51.8	61.9	41.8	203	9
10	WELLINGTON ..	52.4	58.8	46.0	220	10
SOUTH ISLAND.						
87	BRIGHTWATER ..	49.8	58.8	40.9	497	10
34	NELSON ..	51.7	60.1	43.3	453	10
1220	HANMER SPRINGS ..	48.0	59.6	36.4	46	6
25	CHRISTCHURCH ..	49.7	58.2	41.2	142	8
42	LINCOLN ..	50.6	60.4	40.8	174	9
1220	KISSELTON ..	49.1	59.8	38.5	107	8
349	RAKAI ..	50.8	59.7	41.9	140	9
130	TIMARU ..	48.3	56.6	40.1	120	7
200	WAIMATE ..	47.8	55.9	39.8	182	11
300	DUNEDIN ..	50.8	57.6	44.1	207	11
245	GORE ..	..	..	..	..	..
12	HOKITIKA ..	49.5	55.9	43.2	1151	17
12	INVERCARGILL ..	48.6	58.1	39.1	179	16

LATE RETURNS.

131	RUAKURA FARM, HAMILTON EAST	For July, 1923 ..	57.4	..	346	13
131	Ditto August, 1923	..	58.8	..	232	11
100	PALMERSTON NORTH (For August, 1923)	49.3	56.4	42.3	121	13