

Government Meteorological Observatory.

METEOROLOGICAL Observations, Wellington, for the month of September, 1927. Observations taken at 9 a.m.

Altitude of Observatory, 10 ft.

Date.	Pressure in Inches at Sea-level and Standard Gravity.	Temperature in Shade.			Radiation.		Wind: Miles run in previous 24 Hours.	Amount of Cloud (Scale 0 to 10).	Direction of Wind.	Rainfall in Points (100 Points = 1 Inch).
		Maximum.	Minimum.	Mean.	Solar Maximum.	Gross Minimum.				
		Fah.	Fah.	Fah.	Fah.	Fah.				
1	29.774	62.9	47.8	55.3	120.0	47.0	330	10	S.	9
2	30.008	51.0	44.0	47.5	83.3	41.3	202	10	N.E.	..
3	30.197	56.1	40.9	48.5	111.1	31.0	88	10	N.E.	..
4	30.347	57.6	40.8	49.2	115.2	40.3	89	3	S.S.E.	..
5	30.072	60.6	39.2	49.9	114.0	31.2	96	8	N.W.	46
6	29.731	57.0	49.8	53.4	112.0	48.8	393	10	N.W.	15
7	29.749	54.8	44.1	49.4	101.0	45.4	352	9	N.N.W.	5
8	29.868	55.4	46.3	50.8	106.0	44.9	177	8	S.S.E.	Trace
9	29.798	54.5	40.3	47.4	109.2	30.9	69	8	N.W.	..
10	30.031	57.8	42.0	49.9	114.1	33.5	115	8	S.E.	5
11	29.865	57.8	47.4	52.6	100.0	42.5	39	8	N.	6
12	30.057	58.0	43.1	50.5	119.0	33.5	267	10	S.	4
13	30.367	54.0	38.0	46.0	108.1	27.2	271	0	N.E.	..
14	30.208	56.3	47.6	51.9	114.0	41.7	189	2	N.	..
15	30.126	58.8	50.4	54.6	112.0	46.5	254	4	N.N.E.	..
16	30.348	57.9	43.0	50.4	121.0	33.2	186	1	S.E.	..
17	30.258	59.3	46.2	52.7	109.1	37.2	206	7	S.E.	4
18	30.128	65.8	46.9	56.3	116.0	39.2	59	10	Calm	7
19	29.986	62.6	52.0	57.3	102.0	48.0	50	10	N.W.	..
20	29.835	65.0	53.1	59.0	130.6	46.9	164	8	N.N.W.	123
21	29.874	64.7	49.2	56.9	119.0	49.3	204	10	S.	13
22	30.026	51.9	48.2	50.0	78.0	46.9	236	10	S.S.E.	35
23	29.833	56.0	48.1	52.0	100.0	42.5	163	10	N.W.	25
24	29.472	59.0	51.0	55.0	117.2	49.1	442	9	N.W.	2
25	29.514	62.6	53.1	57.8	112.1	50.1	353	10	N.N.W.	..
26	30.076	64.2	37.4	50.8	119.0	27.8	187	0	N.W.	..
27	30.303	61.0	43.9	52.4	115.9	32.0	122	7	S.E.	7
28	30.255	57.0	47.0	52.0	119.0	44.5	485	10	S.	1
29	30.480	56.0	48.0	52.0	114.0	38.2	295	4	S.	..
30	30.606	56.4	37.1	46.7	114.0	26.9	106	1	N.N.E.	..
*	30.040	58.4	45.5	51.9	110.9	39.9	206.3	7.2	..	307
†	29.937	57.4	45.7	51.5	106.0	39.3	248	5.5	..	399

* Means, &c. † Means previous years.

DIRECTION OF WIND.

N.	N.E.	E.	S.E.	S.	S.W.	W.	N.W.	Calm
7	3	..	4	8	..	..	7	1

At Wellington the month was changeable and showery, with precipitation 23 per cent. below the mean of previous years. Total bright sunshine, 159 hours 8 minutes, 45 per cent. of the possible, and three sunless days. Six frosts were recorded on the grass. Mean earth temperature at 1 ft. was 51.3°; and at 3 ft. 52.2°. Mean dew-point, 44.6°; mean vapour pressure, 0.295 in.; and mean relative humidity, 76 per cent. of saturation.

SUMMARY FOR THE MONTH OF SEPTEMBER, 1927.

The total rainfall of the month was above normal over the North Island, except at places in the central region and between Wanganui and Wellington. In the South Island, Otago had more than the average, and Blenheim also reported an excess, but elsewhere there was a deficiency. The greatest differences from the mean are shown on the eastern coasts—Gisborne having 76 per cent. above and Christchurch 73 per cent. below.

There were no general heavy rains during the month, but several occasions on which heavy local falls occurred. For instance, on the 5th and 6th very heavy rain was experienced in Otago, the effect of a low-pressure centre passing in that region. Floods resulted in some of the rivers, and much of the low-lying country was under water at this time.

On the 27th and 28th a cyclone, centred off East Cape, brought heavy rain to the Gisborne and Hawke's Bay Districts.

The most generally unsettled period was between the 17th and 27th. Dull, misty, and showery conditions prevailed, and, on the 25th, some snow fell in the South Island in the rear of an intense Antarctic disturbance.

Anticyclonic conditions with fair weather ruled in the beginning, from the 13th to the 17th and at the close of the month.

Although dull weather was frequent, there were no severe cold periods, and from observers' remarks, conditions appear to have been favourable for lambing, and the month generally was a good growing one.

CLIMATOLOGICAL TABLE.

MEANS AND TOTALS FROM CHIEF STATIONS.

September, 1927.

Altitude above Sea-level.	Name of Station and Observer.	Extremes.			Total Rainfall (100 Points to the Inch).	Days with Rain (4 Point or more)
		Mean Temp. Air in Shade.	Mean Max. Temp.	Mean Min. Temp.		
NORTH ISLAND.						
Ft. 152	AUCKLAND ..	Deg. 54.5	Deg. 59.3	Deg. 49.6	Points. 431	21
131	RUAKURA FARM, HAMILTON EAST	53.2	63.6	42.8	357	16
211	A. Y. Montgomery MATAMATA ..	52.6	61.7	43.6	389	15
46	W. Halligan TE AROHA ..	54.5	63.4	45.6	483	15
340	C. E. Christensen WAIHI ..	53.0	61.0	45.1	740	16
100	Wm. C. Morris TAURANGA ..	53.6	61.8	45.4	481	15
925	C. J. Butcher ROTORUA ..	51.3	60.1	42.5	418	14
..	W. E. Penno ROTORUA NURSERY, WHAKAREWAREVA	50.9	59.2	42.6	404	14
60	W. T. Morrison NEW PLYMOUTH ..	52.7	58.4	47.0	543	15
2080	G. H. Dolby TAIHAPE ..	47.1	53.7	40.5	145	17
100	A. R. Fannin PALMERSTON NORTH ..	52.2	59.0	45.4	195	15
8	J. A. Colquhoun TANGIMOANA ..	52.7	60.8	44.6	154	9
119	T. E. Stringer CENTRAL DEVELOPMENT FARM, WERAROA	51.8	58.9	44.7	302	14
5	J. E. Sharp NAPIER ..	52.7	59.8	45.7	346	13
384	Chas. L. Thomas MANGAMUTU, PAHIATUA ..	51.2	59.1	43.4	281	19
377	A. W. Hamilton MASTERTON ..	50.9	59.8	42.1	106	11
186	R. Brown GREYTOWN ..	50.8	59.6	42.1	197	13
10	W. Allan WELINGTON ..	51.9	58.4	45.5	307	16
SOUTH ISLAND.						
11	TAKAKA, NELSON ..	50.5	59.2	41.9	947	11
34	J. H. Scott NELSON ..	50.3	57.2	43.4	375	9
..	H. D. McKellar BALMORAL, CULVERDEN	47.5	58.0	37.0	86	10
1220	D. D. Dunn HANMER SPRINGS ..	46.4	57.1	35.7	186	11
25	W. Montgomery CHRISTCHURCH ..	48.4	56.0	40.8	48	8
42	H. F. Skey LINCOLN ..	49.7	58.8	40.7	53	7
1220	D. J. Sidey LAKE COLERIDGE ..	52.0	67.9	36.2	213	10
349	E. T. Cockburn RAKAIA ..	47.4	56.5	38.4	140	9
323	Miss A. Hardy ASHBURTON ..	46.9	56.4	37.5	240	10
1000	H. P. Clayton FAIRLIE ..	44.9	55.9	34.0	183	5
2350	R. J. Rainey LAKE TEKAPO ..	42.0	54.2	29.8	107	4
130	R. R. Beauchamp TIMARU ..	46.8	54.9	38.8	157	10
200	Caretaker of Domain WAIMATE ..	46.4	55.0	37.9	209	12
1550	F. Akhurst SANATORIUM, WAIPIATA	44.2	54.7	33.8	115	9
1000	Dr. A. Kidd OPHIR ..	45.4	57.4	33.4	185	7
300	Rev. A. Don DUNEDIN ..	47.2	55.2	39.3	490	11
142	D. Tannock BURNSIDE, DUNEDIN	47.3	53.5	41.2	427	10
245	P. W. Piper GORE ..	..	..	..	..	..
12	A. T. Newman HOKITIKA ..	51.1	60.1	42.1	754	16
12	J. A. Chesney INVERCARGILL ..	45.2	54.3	38.1	389	20
..	L. Lennie	..	..	..	..	..