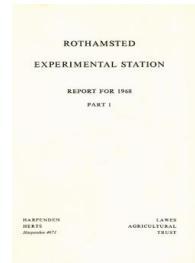


Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



Report for 1968 - Part 1

[Full Table of Content](#)



Weather Tables Rothamsted

Rothamsted Research

Rothamsted Research (1969) *Weather Tables Rothamsted* ; Report For 1968 - Part 1, pp 378 - 378 -
DOI: <https://doi.org/10.23637/ERADOC-1-123>

ROTHAMSTED WEATHER 1967-68

Latitude 51° 48' 30" N; Longitude 0° 21' 10" W; Altitude 128 m

	Temperature (°C)			Radiation			Wind			Water (mm) Evaporation-Potential Transpiration mm		
	Soil at 10 cm	Dew-point	Ground frosts	Sunshine hours	Kipp mWWh day ⁻¹	Wind Run at 2 m miles day ⁻¹	Rain Standard gauge	Rain days	Rain bare soil	M.O. tank	Drainage 50 cm	Water (mm) M.O. tank
1967	Mean air	2.8	1.1	17	38 (- 14)	46	155	22	114	33	15	7
	Oct.	9.7	8.5	3	43 (- 25)	95	140	25	18	12	18	9
	Nov.	4.3	3.9	16	134 (+ 18)	237	205	26 (- 26)	14	Trace	44	41
	Dec.	3.2	0.6	18	150 (+ 18)	355	125	63 (+ 16)	14	21	62	52
1968	Jan.	3.3 (+ 0.4)	1.4	-0.3	17	45	115	53 (+ 1)	17	23	63	63
	Feb.	1.5 (- 1.9)	4.2	2.4	24	134 (- 18)	427	120	55 (- 1)	17	14	84
	Mar.	6.3 (+ 1.1)	4.2	2.4	17	170 (+ 18)	355	115	55 (- 1)	17	14	86
	Apr.	7.9 (+ 0.2)	7.4	4.1	15	145 (- 50)	379	120	55 (- 1)	17	14	86
	May	9.6 (- 1.5)	10.2	6.2	4	152 (- 51)	427	110	84 (+ 21)	11	46	79
	June	14.6 (+ 0.6)	15.5	11.1	0	136 (- 56)	385	110	84 (+ 21)	11	30	58
	July	15.0 (- 0.9)	15.9	11.3	0	112 (- 70)	276	145	72 (+ 5)	18	88	53
	Aug.	15.2 (- 0.4)	14.8	12.6	0	107 (- 38)	233	130	136 (+ 73)	21	88	53
	Sept.	14.1 (+ 0.7)	13.2	11.8	0	56 (- 48)	123	110	52 (- 14)	13	28	25
	Oct.	12.3 (+ 2.8)	11.2	10.7	1	29 (- 32)	48	140	48 (- 23)	18	35	16
	Nov.	5.9 (+ 0.1)	5.7	4.7	6	27 (- 18)	29	120	79 (+ 12)	14	72	4
	Dec.	2.1 (- 1.6)	2.4	1.2	22	1149 (- 366)	219	135	755 (+ 53)	189	441	510
	Total or mean 1968	8.7	6.4	106								467

NOTES ON THE TABLE

1. Except for the last column, all quantities are measured.
2. Temperatures were measured in °F.
3. 'Soil at 10 cm' and 'Dewpoint' are at 0900 GMT.
4. For radiation, 100 calories = 116 mWWh.
5. Run of the wind is measured in miles per day, and is used in calculations in this unit.
6. 'Standard gauge' is 5 in. diameter and surrounded by a turf wall to meet Meteorological Office specification. Measurements were in inches.
7. Drainage is through bare, undisturbed soil: gauge area = 1/1000 acre.
8. M.O. tank is 6 ft square, 2 ft deep, water at ground level, and rim projecting 3 in. above.
9. Potential transpiration—the only calculated entry—is derived from mean air temperature, dewpoint temperature, sunshine, Kipp record and run-of-the-wind.
10. Departures from long-period averages (in brackets) are for different periods:

Air Temperature	1878-1967
Sunshine	1892-1967
Rain	1948-1967