

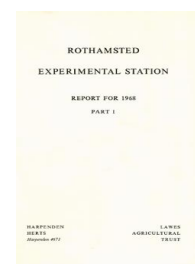
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Report for 1968 - Part 1

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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

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ROTHAMSTED REPORT FOR 1968

Temperature (°C)			Radiation		Wind	Rain	Rain	Water (mm)		Potential	
Mean air	Soil at 10 cm	Dew- point	Ground frost	Sunshine hours	Kipp mWh cm ⁻² day ⁻¹	Run at 2 m miles day ⁻¹	Standard gauge	days	Drainage 50 cm bare soil	Evapora- tion M.O. tank	Trans- piration mm
1967											
10.4	9.7	8.5	3	93	135	145	150	22	114	33	15
5.1	4.3	3.9	16	67	71	110	51	20	44	12	-3
3.3	3.2	0.6	18	64	52	130	61	20	51	2	0
1968											
3.3 (+0.4)	2.8	1.1	17	38 (-14)	46	155	62 (+7)	20	66	3	7
1.5 (-1.9)	1.4	-0.3	24	43 (-25)	95	140	25 (-26)	12	18	7	9
6.3 (+1.1)	4.2	2.4	17	134 (+18)	237	205	26 (-18)	14	Trace	44	41
7.9 (+0.2)	7.4	4.1	15	170 (+18)	355	125	63 (+16)	14	21	62	52
9.6 (-1.5)	10.2	6.2	4	145 (-50)	379	115	53 (+1)	17	23	62	63
14.6 (+0.6)	15.5	11.1	0	152 (-51)	427	120	55 (-1)	17	14	84	86
15.0 (-0.9)	15.9	11.3	0	136 (-56)	385	110	84 (+21)	11	46	89	79
15.2 (-0.4)	14.8	12.6	0	112 (-70)	276	145	72 (+5)	18	30	66	58
14.1 (+0.7)	13.2	11.8	0	107 (-38)	233	130	136 (+73)	21	88	48	53
12.3 (+2.8)	11.2	10.7	1	56 (-48)	123	110	52 (-14)	13	28	25	18
5.9 (+0.1)	5.7	4.7	6	29 (-32)	48	140	48 (-23)	18	35	16	3
2.1 (-1.6)	2.4	1.2	22	27 (-18)	29	120	79 (+12)	14	72	4	-2
Total or mean	8.7	6.4	106	1149 (-366)	219	135	755 (+53)	189	441	510	467
1968											

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 mWh.
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