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ROTHAMSTED  
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## Report for 1968 - Part 1

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### Weather Tables Rothamsted

#### Rothamsted Research

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ROTHAMSTED WEATHER 1967-68

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

ROTHAMSTED REPORT FOR 1968

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	Temperature (°C)		Radiation		Wind Run at 2 m miles day <sup>-1</sup>	Rain Standard gauge	Rain days	Water (mm) Drainage 50 cm bare soil	Evaporation M.O. tank	Potential Transpiration mm
	Soil at 10 cm	Dew-point	Sunshine hours	Kipp mWh						
<b>1967</b>										
Oct.	10.4	8.5	93	135	145	150	22	114	33	15
Nov.	5.1	3.9	67	71	110	51	20	44	12	-3
Dec.	3.3	0.6	64	52	130	61	20	51	2	0
<b>1968</b>										
Jan.	3.3 (+0.4)	1.1	38 (-14)	46	155	62 (+7)	20	66	3	7
Feb.	1.5 (-1.9)	-0.3	43 (-25)	95	140	25 (-26)	12	18	7	9
Mar.	6.3 (+1.1)	2.4	134 (+18)	237	205	26 (-18)	14	Trace	44	41
Apr.	7.9 (+0.2)	4.1	170 (+18)	355	125	63 (+16)	14	21	62	52
May	9.6 (-1.5)	6.2	145 (-50)	379	115	53 (+1)	17	23	62	63
June	14.6 (+0.6)	11.1	152 (-51)	427	120	55 (-1)	17	14	84	86
July	15.0 (-0.9)	11.3	136 (-56)	385	110	84 (+21)	11	46	89	79
Aug.	15.2 (-0.4)	12.6	112 (-70)	276	145	72 (+5)	18	30	66	58
Sept.	14.1 (+0.7)	11.8	107 (-38)	233	130	136 (+73)	21	88	48	53
Oct.	12.3 (+2.8)	10.7	56 (-48)	123	110	52 (-14)	13	28	25	18
Nov.	5.9 (+0.1)	4.7	29 (-32)	48	140	48 (-23)	18	35	16	3
Dec.	2.1 (-1.6)	1.2	27 (-18)	29	120	79 (+12)	14	72	4	-2
Total or mean 1968	9.0 (0.0)	6.4	1149 (-366)	219	135	755 (+53)	189	441	510	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 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