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ROTHAMSTED  
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## Report for 1978 - Part 1

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## Weather Tables Rothamsted

### Rothamsted Research

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ROTHAMSTED WEATHER 1977-78

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

	Temperature (°C)					Radiation		Wind Run at 2 m km day <sup>-1</sup>	Water (mm)				
	Mean maximum	Mean minimum	Soil at 10 cm	Dew- point	Ground frosts	Sunshine hours	mWh cm <sup>-2</sup> day <sup>-1</sup>		Rain	Rain days	Evaporation		
								Drainage bare soil			Open Pot. water trans.		
1977													
October	15.2	7.9	10.3	9.3	1	106	177	161	49	17	18	31	21
November	9.0	3.3	5.2	3.7	15	88	106	328	60	19	40	21	12
December	8.1	3.0	4.7	3.7	11	42	49	242	60	19	55	7	4
1978													
January	5.3 (-0.4)	-0.5 (-0.7)	2.3	0.8	23	44 (-7)	61	243	103 (+41)	19	92	9	4
February	5.0 (-1.5)	-0.2 (-0.7)	1.9	0.2	21	53 (-14)	117	248	58 (+6)	15	48	3	13
March	10.3 (+1.2)	2.6 (+1.3)	4.7	3.7	18	122 (+6)	245	302	77 (+32)	21	46	27	37
April	9.8 (-2.3)	2.5 (-0.7)	5.5	3.0	15	110 (-41)	291	257	57 (+12)	16	27	39	46
May	15.9 (0.0)	6.2 (0.0)	11.2	7.0	5	205 (+11)	463	180	66 (+16)	11	47	79	81
June	18.1 (-0.8)	8.8 (-0.4)	14.4	9.3	1	161 (-43)	441	110	84 (+29)	13	14	88	90
July	18.9 (-1.7)	10.4 (-0.7)	15.4	11.1	0	146 (-46)	411	161	59 (+6)	12	17	84	85
August	19.7 (-0.7)	10.3 (-0.6)	15.2	11.0	1	166 (-14)	375	141	35 (-28)	13	9	88	71
September	18.9 (+1.2)	9.5 (+0.4)	13.3	10.0	1	156 (+12)	303	226	30 (-31)	9	Trace	81	59
October	15.7 (+2.4)	7.4 (+1.6)	10.0	9.0	8	102 (-1)	171	158	5 (-56)	8	—	41	23
November	11.2 (+2.3)	4.8 (+2.1)	7.3	6.1	10	87 (+25)	106	239	21 (-52)	10	—	17	9
December	6.4 (-0.1)	1.1 (+0.1)	3.5	2.2	17	36 (-9)	50	253	128 (+64)	23	108	5	1
Total or mean	12.9 (-0.1)	5.2 (+0.1)	8.7	6.1	120	1388 (-121)	253	210	723 (+39)	176	408	561	519

NOTES ON THE TABLE

1. Except for the last column, all quantities are measured.
2. Drainage and evaporation are measured in inches.
3. Drainage is through 50 cm bare undisturbed soil.
4. Departures from long-period averages (in brackets) are for different periods; Air temperatures 1878-1977; Sunshine 1882-1977; Rain 1948-77.