

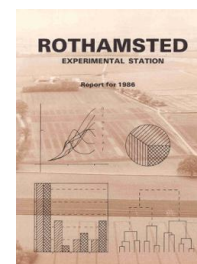
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Rothamsted Weather 1985-86

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ROTHAMSTED WEATHER 1985-86

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

	1986												Year			
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
TEMPERATURE (°C)																
Mean screen maximum	14.5	6.5	8.5	5.7	0.1	8.6	9.2	15.1	19.8	20.8	18.6	16.3	15.0	10.5	8.4	12.3
Difference from average	+0.6	-2.5	+1.7	+0.2	-5.9	-0.3	-2.8	-0.7	+0.8	+0.3	-1.8	-1.6	+1.1	+1.5	+1.6	-0.6
Mean screen minimum	7.4	0.4	4.1	0.0	-4.5	0.7	2.0	6.3	9.1	11.2	9.7	6.3	7.2	4.1	2.3	4.5
Difference from average	+0.9	-2.5	+2.8	-0.1	-4.7	-0.7	-1.4	0.0	+0.1	+0.3	-1.2	-2.9	+0.7	+1.2	+1.0	-0.6
Soil at 10 cm	10.3	3.9	5.9	2.1	0.3	2.8	5.0	10.5	15.1	17.6	14.7	10.9	10.0	6.6	4.3	8.3
Dew point	8.7	1.6	5.1	0.5	-4.3	2.0	2.9	7.4	10.2	12.3	10.6	8.2	9.0	5.9	3.1	5.7
No. of days with ground frost	12	22	13	25	27	22	19	12	4	0	2	13	7	15	21	167
RADIATION																
Sunshine (h per month)	110	81	38	73	67	123	121	176	225	187	151	170	121	68	53	1535
Difference from average	+10	+19	-7	+24	+5	+15	-19	-13	+28	+7	-16	+29	+21	+6	+8	+95
Mean daily radiation (MJ m ⁻² day ⁻¹)	6.1	3.5	1.6	2.5	4.9	8.3	11.2	14.6	18.9	16.6	12.9	11.3	6.6	3.0	1.9	9.4
Difference from average	+0.5	+0.7	-0.1	+0.3	+0.8	+0.8	-0.5	-1.0	+1.4	+0.7	-0.4	+1.5	+1.0	+0.2	+0.2	+0.4
WIND (km day⁻¹)																
Wind run at 2 m	133	219	249	326	295	259	232	226	190	130	152	170	191	234	303	226
WATER (mm per month)																
Rainfall (5 inch walled gauge)	22	51	108	85	26	56	84	62	16	44	104	30	88	85	82	762
Difference from average	-37	-19	+39	+22	-26	+4	+37	+11	-41	-7	+42	-29	+28	+16	+13	+70
Rain days	8	17	20	20	8	20	22	22	7	13	12	4	14	22	18	182
Drainage through 50 cm bare undisturbed soil	0	11	95	63	15	34	54	11	TR	TR	46	10	48	92	62	435
Open water (tank) evaporation	48	19	10	12	0	26	37	70	110	115	115	84	52	15	13	649
Potential evaporation	19	5	0	4	11	30	44	71	101	86	72	44	19	1	4	487

NOTES ON THE TABLE

1. Except for potential evaporation, all quantities are measured.
2. Drainage and evaporation are measured in inches.
3. Averages are for 30 years 1951-80, except radiation 29 years 1956-85.