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Rothamsted Weather 1984-85

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ROTHAMSTED WEATHER 1984-85

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

	1985															
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
TEMPERATURE (°C)																
Mean screen maximum	14.5	10.7	7.6	2.7	4.7	7.9	12.3	14.5	17.0	21.0	19.0	19.0	14.5	6.5	8.5	12.3
Difference from average	+0.6	+1.7	+0.8	-2.8	-1.3	-1.0	+0.3	-1.3	-2.0	+0.5	-1.4	+1.1	+0.6	-2.5	+1.7	-0.7
Mean screen minimum	7.3	5.1	1.7	-2.7	-1.3	0.6	4.1	6.4	8.1	10.9	10.3	9.7	7.4	0.4	4.1	4.8
Difference from average	+0.8	+2.2	+0.4	-2.8	-1.5	-0.8	+0.7	+0.1	-0.9	0.0	-0.6	+0.5	+0.9	-2.5	+2.8	-0.3
Soil at 10 cm	9.8	7.5	4.5	1.0	2.5	3.1	7.5	10.6	13.5	17.0	14.2	13.7	10.3	3.9	5.9	8.6
Dew point	9.4	6.3	3.5	-1.9	-1.4	2.2	4.4	7.1	9.3	12.7	11.5	11.7	8.7	1.6	5.1	5.9
No. of days with ground frost	12	10	21	29	24	23	11	10	3	0	0	1	12	22	13	148
RADIATION																
Sunshine (h per month)	93	50	48	43	82	98	144	163	165	221	181	134	110	81	38	1460
Difference from average	-7	-12	+2	-7	+20	-10	+4	-26	-32	+41	+14	-7	+10	+19	-7	+19
Mean daily radiation (MJ m ⁻² day ⁻¹)	5.6	2.7	1.7	2.4	5.4	7.7	12.6	13.7	16.7	17.9	13.7	10.8	6.1	3.5	1.6	112.1
Difference from average	0.0	-0.1	0.0	+0.2	+1.4	+0.2	+0.9	-1.9	-0.8	+2.1	+0.5	+1.0	+0.5	+0.7	-0.1	+4.7
WIND (km day⁻¹)																
Wind run at 2 m	187	204	163	233	220	207	275	189	167	135	187	151	133	219	249	197
WATER (mm per month)																
Rainfall (5 inch walled gauge)	88	106	58	58	29	38	31	49	102	48	63	18	22	51	108	617
Difference from average	+28	+37	-11	-5	-23	-14	-17	-2	+44	-3	+2	-41	-37	-19	+39	-76
Rain days	16	22	20	17	6	17	14	11	18	14	19	7	8	17	20	168
Drainage through 50 cm bare undisturbed soil	60	89	55	54	55	22	8	10	48	0	16	0	0	11	95	319
Open water (tank) evaporation	31	19	9	3	3	19	55	65	86	111	87	84	48	19	10	590
Potential evaporation	16	5	0	4	13	24	60	65	83	92	71	49	19	5	0	485

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 1956-84.