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# Rothamsted Experimental Station Report for 1983

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## Saxmundham Weather 1982-83

### Rothamsted Research

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**SAXMUNDHAM WEATHER 1982-83**  
 Latitude 52° 13' N; Longitude 1° 28' E; Altitude 37 m

	1983												Year			
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
<b>TEMPERATURE (°C)</b>																
Mean screen maximum	14.0	11.3	7.1	9.5	4.5	9.8	10.9	13.3	18.8	24.1	22.2	18.0	14.0	9.1	7.2	13.4
Difference from average	+0.5	+2.0	0.0	+3.1	-2.7	+0.9	-0.2	-1.1	+0.1	+3.7	+1.2	-0.6	+0.5	-0.5	+0.2	+0.3
Mean screen minimum	7.1	5.7	1.7	3.2	0.0	2.6	2.3	5.9	9.3	12.3	12.6	10.5	6.7	4.4	3.0	6.1
Difference from average	-0.1	+1.7	-0.7	+1.6	-1.7	-0.2	-1.3	-1.1	-0.7	+0.5	+0.6	+0.1	-0.5	+0.1	+0.8	-0.1
Soil at 10 cm	11.0	8.1	2.9	5.2	1.2	6.4	8.6	12.7	19.1	22.2	19.7	13.9	11.0	7.3	4.4	11.0
Dewpoint	8.9	7.2	2.8	4.4	0.0	3.3	4.4	5.0	10.6	15.0	13.9	12.0	7.8	5.6	3.9	7.2
No. of days with ground frost	6	7	14	9	21	15	13	5	0	0	0	0	5	6	12	86
<b>RADIATION</b>																
Mean daily radiation (MJ m <sup>-2</sup> day <sup>-1</sup> )	4.3	2.4	1.7	2.0	4.9	6.9	11.0	12.6	17.6	18.8	16.9	8.2	5.8	2.4	1.7	9.1
<b>WIND (km day<sup>-1</sup>)</b>																
Wind run at 2 m	229	382	283	402	301	302	261	224	176	142	173	278	288	184	318	254
<b>WATER (mm month<sup>-1</sup>)</b>																
Rainfall (5 inch gauge)	124	70	51	57	36	34	80	83	26	37	9	74	51	52	40	579
Difference from average	+75	+10	-9	+4	-5	-17	+42	+45	-20	-8	-32	+7	-9	-10	-22	-26
Rain days	24	17	13	12	11	17	17	24	9	6	5	16	15	9	17	158
Open water (tank) evaporation	35	35	—	—	—	—	41	79	98	129	126	70	57	20	—	—

NOTES ON THE TABLE

1. All quantities are measured.
2. Temperatures were measured in °F.
3. 'Soil at 10 cm' and 'Dewpoint' are at 0900 GMT.
4. Radiation was measured with a Kipp Solarimeter.
5. Rain and evaporation were measured in inches.
6. 'Evaporation' is the mean of two open water tanks installed 17 March 1983. They are 56 cm diameter, 30 cm deep and set 15 cm in the ground. Water level is about 6 cm below the rim.
7. Long period averages are for the period 1973-82.