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## Report for 1982 - Part 1

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### Weather Tables Saxmundham

#### Rothamsted Research

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### SAXMUNDHAM WEATHER 1981-82

Latitude 52° 13' N; Longitude 1° 28' E; Altitude 37 m

	1981			1982												Year
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	
<b>TEMPERATURE (°C)</b>																
Mean screen maximum	12.3	10.8	2.8	6.4	6.3	9.8	12.6	16.6	19.8	21.7	22.2	20.5	14.0	11.3	7.1	14.0
Difference from average	-1.4	+1.7	-4.8	+0.1	-0.8	+0.8	+1.7	+2.4	+1.4	+1.5	+1.4	+2.4	+0.5	+2.0	0.0	+1.1
Mean screen minimum	5.4	4.7	-1.6	0.7	1.9	1.2	3.3	6.6	11.0	12.4	12.3	10.8	7.1	5.7	1.7	6.2
Difference from average	-2.1	+0.8	-4.5	-1.0	+0.2	-1.7	-0.5	+0.4	+1.3	+0.7	+0.5	+0.6	-0.1	+1.7	-0.7	+0.1
Soil at 10 cm	10.0	7.8	2.3	2.5	3.3	5.9	9.5	15.7	18.2	19.9	19.1	14.7	11.0	8.1	2.9	10.9
Dew point	6.7	6.1	0.0	2.8	2.8	3.9	3.9	8.3	12.8	13.3	13.3	12.8	8.9	7.2	2.8	7.7
No of days with ground frost	9	11	21	23	13	17	16	6	0	0	0	1	6	7	14	103
<b>RADIATION</b>																
Mean daily radiation (MJ m <sup>-2</sup> day <sup>-1</sup> )	5.7	2.4	1.8	2.2	3.5	9.0	13.1	17.5	15.2	16.0	13.0	10.3	4.3	2.4	1.7	9.0
<b>WIND (km day<sup>-1</sup>)</b>																
Wind run at 2 m	261	270	238	254	291	317	234	197	157	178	210	198	229	382	283	244
<b>WATER (mm per month)</b>																
Rainfall (5 inch gauge)	80	51	79	36	23	48	7	48	67	17	49	50	124	70	51	590
Difference from average	+33	-14	+24	-20	-19	-1	-35	+11	+23	-31	+11	-19	+75	+10	-9	-4
Rain days	18	11	13	11	4	13	7	10	12	9	12	14	24	17	13	146
Open water (tank) evaporation	40	17	—	—	—	—	72	115	102	107	116	81	35	35	—	—

#### NOTES ON THE TABLE

1. All quantities are measured.
2. Temperatures were measured in °F.
3. 'Soil at 10 cm' and 'Dewpoint' are 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, 56 cm diameter, 30 cm deep and set 15 cm in the ground, installed on 23 March 1982. Water level is about 6 cm below the rim.
7. Long period averages are for the period 1972-81.