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## Report for 1980 - Part 1

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## Weather Tables Saxmundham

### Rothamsted Research

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### SAXMUNDHAM WEATHER 1979-80

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

	1979			1980												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
<b>TEMPERATURE (°C)</b>																
Mean screen maximum	15.2	9.2	8.7	4.8	8.3	8.3	12.0	15.1	19.3	19.3	21.2	20.0	13.4	8.7	7.9	13.2
Difference from average	+1.2	-0.1	+1.6	-1.5	+1.7	-0.2	+1.4	+0.8	+1.2	-0.9	+0.5	+2.1	-0.5	-0.6	+0.4	+0.4
Mean screen minimum	8.7	3.8	3.4	0.3	2.6	2.3	3.8	6.3	9.8	11.0	12.6	11.6	6.1	4.4	2.5	6.1
Difference from average	+1.1	0.0	+0.9	-1.5	+1.0	0.0	+0.2	-0.7	+0.1	-0.7	+0.8	+1.6	-1.5	+0.5	-0.3	-0.5
Soil at 10 cm	11.9	6.3	5.2	1.7	5.4	4.9	9.1	13.6	16.3	16.0	17.7	15.1	10.0	6.2	4.7	10.1
Dew point	10.5	5.0	3.3	1.1	3.9	3.9	5.0	6.7	11.7	12.8	15.0	13.3	7.8	5.0	4.4	7.6
No of days with ground frost	5	14	16	28	14	16	21	10	0	0	1	0	22	17	25	154
<b>RADIATION</b>																
Mean daily radiation (MJ m <sup>-2</sup> day <sup>-1</sup> )	6.0	2.7	1.7	2.3	3.9	5.9	12.3	18.5	16.1	14.5	11.2	10.0	5.5	1.9	0.9	8.6
<b>WIND (km day<sup>-1</sup>)</b>																
Wind run at 2 m	240	257	360	243	237	294	227	240	180	191	206	230	269	362	341	252
<b>WATER (mm per month)</b>																
Rainfall (5 inch gauge)	25	48	96	39	51	51	32	1	108	55	14	25	98	54	59	587
Difference from average	-13	-31	+46	-23	+9	+8	-5	-34	+71	+9	-29	-43	+58	-20	+7	+8
Rain days	8	13	15	10	8	15	9	3	16	12	6	4	9	11	13	116
Open water (tank) evaporation	49	15	—	—	—	—	62	122	111	84	91	81	48	23	—	—

#### 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 installed on 13 March 1980. 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 1970-79.