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Broom's Barn Weather 1985-86

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BROOM'S BARN WEATHER 1985-86

Latitude 52° 16' N; Longitude 0° 34' E; Altitude 75 m

	1986															
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
TEMPERATURE (°C)																
Mean screen maximum	15.1	6.6	8.6	5.8	0.4	8.6	9.6	16.0	19.9	20.9	18.5	16.3	15.1	10.6	8.4	12.5
Difference from average	+0.9	-2.6	+1.9	-0.3	-5.8	-0.4	-2.0	+0.4	+0.8	-0.1	-2.7	-2.0	+0.8	+1.4	+1.7	-0.7
Mean screen minimum	7.4	1.0	4.7	0.6	-3.5	1.2	2.6	7.4	9.7	12.0	10.3	7.1	7.6	4.8	2.9	5.2
Difference from average	0.0	-2.6	+2.9	+0.2	-4.4	-0.9	-0.9	+0.8	0.0	+0.4	-1.4	-3.0	+0.2	+1.2	+1.1	-0.6
Soil at 10 cm	10.2	3.4	5.8	2.2	-0.1	3.1	5.7	11.9	15.8	18.2	14.9	11.2	10.3	6.5	4.0	8.7
Dew point	8.8	1.4	5.2	0.8	-3.3	2.4	3.3	7.6	10.2	12.1	10.2	8.5	9.1	5.7	3.0	5.8
No. of days with ground frost	9	19	4	20	26	20	10	0	1	0	0	2	1	5	15	100
Difference from average	+6	+11	-9	+6	+11	+8	+1	-2	+1	0	0	+2	-2	-3	+2	+24
RADIATION																
Sunshine (h per month ⁻¹)	132	103	35	72	63	132	138	219	243	186	155	174	127	70	61	1640
Difference from average	+23	+35	-14	+21	+1	+26	-6	+29	+42	+2	-22	+29	+18	+2	+12	+154
Mean daily radiation (MJ m ⁻² day ⁻¹)	6.4	3.7	1.7	2.6	4.9	8.5	11.6	16.5	19.9	16.5	13.1	11.6	6.5	3.3	1.9	9.5
Difference from average	+0.3	+0.7	-0.1	+0.3	+0.6	+0.2	-1.1	-1.3	+1.0	0.0	-1.0	+2.0	+0.4	+0.3	+0.1	-0.1
Mean daily diffuse radiation (MJ m ⁻² day ⁻¹)	3.2	1.7	1.3	1.5	2.8	4.6	5.9	8.7	8.9	10.3	8.1	5.8	3.7	2.1	1.2	5.3
WIND (km day⁻¹)																
Wind run at 2 m	124	167	249	283	258	249	192	253	205	139	164	119	188	230	269	213
Difference from average	-73	-72	+1	+30	+25	-2	-37	+48	+22	-34	-8	-74	-9	-9	+21	-1
WATER (mm per month⁻¹)																
Rainfall (5 inch gauge)	13	42	72	57	12	57	55	42	23	64	87	25	80	67	71	640
Difference from average	-39	-20	+18	+9	-24	+14	+13	-11	-30	+21	+36	-31	+28	+5	+17	+47
Rain days	7	15	19	19	7	20	20	18	8	14	15	4	15	20	17	177
Difference from average	-6	-2	+2	0	-7	+4	+6	+4	-3	+4	+3	-8	+2	+3	0	+9
Open water evaporation Class 'A' pan	39	20	14	20	19	43	52	91	135	103	98	64	41	21	19	707
Difference from average	0	0	+4	+11	+2	+3	-15	-16	+9	-28	-27	-22	+2	+1	+9	-70
Potential transpiration	18	2	2	4	10	29	44	84	106	92	73	44	21	7	5	519

NOTES ON THE TABLE

1. Except for potential transpiration, all quantities are measured.
2. Long term averages are 1965-84 except evaporation—1970-84, wind 1969-84.