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Weather Tables Broom's Barn

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BROOM'S BARN WEATHER 1981-82

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

	1981			1982												
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Year
TEMPERATURE (°C)																
Mean screen maximum	12.0	10.5	2.5	5.7	7.2	10.0	12.7	17.0	19.9	21.3	21.4	19.9	13.2	10.2	6.9	13.8
Difference from average	-2.3	-1.5	-4.3	-0.2	+0.9	+1.2	+1.2	+1.1	+0.8	+0.6	+0.3	+1.4	-1.0	+1.1	+0.3	+0.6
Mean screen minimum	5.3	4.4	-2.9	-0.5	1.6	2.2	4.0	6.7	11.5	12.1	12.3	10.8	7.7	5.6	1.2	6.3
Difference from average	-2.0	+1.1	-4.8	-1.6	+0.6	+0.1	+0.3	-0.1	+1.9	+0.6	+0.8	+0.8	+0.5	+2.3	-0.4	+0.5
Soil at 10 cm	7.9	6.2	0.9	1.8	3.3	4.3	8.1	12.2	16.6	17.7	16.7	14.2	9.8	7.0	2.7	9.5
Dew point	5.7	4.7	-1.4	0.9	2.3	2.7	4.2	7.3	13.0	13.1	12.3	12.0	9.2	5.9	1.8	7.1
No. of days with ground frost	4	5	24	18	13	13	8	1	0	0	0	0	2	5	16	76
RADIATION																
Sunshine (h per month)	133	61	41	69	61	169	159	240	137	178	175	161	76	64	52	1541
Difference from average	+25	-10	-6	+21	+1	+62	+20	+46	-69	-1	0	+11	-33	-6	+6	+58
Mean daily radiation (MJ m ⁻² day ⁻¹)	6.7	3.0	2.0	2.7	4.4	9.9	13.4	18.9	16.3	16.3	14.3	11.0	5.1	2.8	2.0	9.8
Daily diffuse radiation (MJ m ⁻² day ⁻¹)	—	—	—	—	—	—	8.1	9.8	11.0	10.1	8.2	6.0	3.6	2.0	1.5	—
WIND (km day ⁻¹)																
Wind run at 2 m	224	251	175	220	227	262	180	183	157	153	195	147	141	246	231	195
WATER (mm per month)																
Rainfall (5 inch gauge)	83	34	51	36	19	49	11	61	73	25	49	58	119	71	51	622
Difference from average	+38	-28	-5	-10	-16	+5	-32	+16	+21	-20	-3	+7	+72	+11	-5	+46
Rain days	21	14	15	17	10	16	8	17	20	5	12	13	22	15	11	166
Open water evaporation sunken tank	41	19	—	—	11	46	73	120	104	123	127	84	21	23	10	(742)
Class "A" pan	—	—	—	—	—	—	—	128	98	121	124	81	25	21	12	(610)
Potential transpiration	22	12	-1	1	13	38	59	93	87	99	97	56	13	6	2	564

NOTES ON THE TABLE

1. Except for potential evaporation, all quantities are measured.
2. Long period averages are for different periods; air temperatures 1964-81; sunshine 1965-81.
3. Evaporation pan Class "A" installed in May, 1982.
4. Diffuse radiation recording from April 1982.