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Broom's Barn Weather 1984-85

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BROOM'S BARN WEATHER 1984-85
 Latitude 52° 16' N; Longitude 0° 34' E; Altitude 75 m

| | 1985 | | | | | | | | | | | | Year | | | |
|---|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Year |
| TEMPERATURE (°C) | | | | | | | | | | | | | | | | |
| Mean screen maximum | 14.9 | 10.6 | 7.9 | 2.8 | 4.2 | 8.0 | 12.6 | 14.6 | 16.8 | 21.2 | 19.7 | 19.6 | 15.1 | 6.6 | 8.6 | 12.5 |
| Difference from average | +0.7 | +1.4 | +1.3 | -3.3 | -2.0 | -1.0 | +1.0 | -1.0 | -2.3 | +0.2 | -1.5 | +1.3 | +0.8 | -2.6 | +1.9 | -0.7 |
| Mean screen minimum | 8.6 | 6.1 | 2.9 | -2.9 | -1.5 | 1.2 | 4.7 | 6.8 | 8.5 | 12.1 | 10.9 | 10.7 | 7.4 | 1.0 | 4.7 | 5.3 |
| Difference from average | +1.4 | +2.6 | +1.2 | -3.3 | -2.4 | -0.9 | +1.2 | +0.2 | -1.2 | +0.5 | -0.8 | +0.6 | 0.0 | -2.6 | +2.9 | -0.5 |
| Soil at 10 cm | 10.3 | 7.5 | 4.2 | 0.9 | 1.2 | 3.2 | 8.1 | 11.2 | 14.2 | 18.6 | 15.1 | 14.1 | 10.2 | 3.4 | 5.8 | 8.8 |
| Dew point | 8.9 | 6.6 | 3.7 | -1.2 | -0.9 | 2.2 | 4.8 | 7.9 | 9.3 | 12.9 | 11.6 | 12.0 | 8.8 | 1.4 | 5.2 | 6.2 |
| No. of days with ground frost | 1 | 2 | 13 | 26 | 21 | 18 | 5 | 3 | 0 | 0 | 0 | 0 | 9 | 19 | 4 | 105 |
| RADIATION | | | | | | | | | | | | | | | | |
| Sunshine (h per month) | 115 | 53 | 79 | 43 | 89 | 95 | 147 | 145 | 163 | 233 | 183 | 137 | 132 | 103 | 35 | 1504 |
| Difference from average | +6 | -15 | +32 | -8 | +27 | -11 | +3 | -45 | -38 | +49 | +6 | -8 | +23 | +35 | -14 | +19 |
| Mean daily radiation (MJ m ⁻² day ⁻¹) | 6.39 | 2.67 | 2.13 | 2.63 | 5.22 | 7.86 | 12.86 | 13.89 | 16.91 | 18.14 | 13.86 | 10.25 | 6.40 | 3.70 | 1.70 | 9.48 |
| Mean daily diffuse radiation (MJ m ⁻² day ⁻¹) | 3.58 | 1.82 | 1.22 | 1.80 | 3.36 | 5.25 | 7.50 | 8.10 | 8.88 | 9.15 | 8.17 | 6.05 | 3.18 | 1.65 | 1.26 | 5.36 |
| WIND (km day⁻¹) | | | | | | | | | | | | | | | | |
| Wind run at 2 m | 209 | 200 | 174 | 180 | 222 | 180 | 229 | 174 | 166 | 160 | 215 | 167 | 124 | 167 | 248 | 186 |
| Difference from average | +13 | -41 | -79 | -74 | -13 | -71 | 0 | -31 | -17 | -13 | +43 | -26 | -73 | -72 | -5 | -29 |
| WATER (mm per month) | | | | | | | | | | | | | | | | |
| Rainfall (5 inch gauge) | 57 | 75 | 39 | 47 | 9 | 49 | 34 | 62 | 87 | 39 | 50 | 15 | 13 | 42 | 72 | 519 |
| Difference from average | +7 | +15 | -14 | -1 | -26 | +6 | -8 | +9 | +35 | -4 | -1 | -41 | -39 | -20 | +18 | -74 |
| Rain days | 12 | 16 | 19 | 20 | 5 | 22 | 14 | 14 | 21 | 16 | 16 | 9 | 7 | 15 | 19 | 178 |
| Open water evaporation sunken tank | 37 | 18 | 12 | 6 | 7 | 22 | 59 | 65 | 83 | 114 | 90 | 68 | 39 | 20 | 14 | 590 |
| Difference from average | 0 | -1 | +2 | -3 | -9 | -15 | -4 | -36 | -36 | -10 | -28 | -13 | +2 | +1 | +4 | -143 |
| Open water evaporation Class 'A' pan | 42 | 17 | 10 | 2 | 4 | 24 | 73 | 74 | 86 | 119 | 102 | 79 | 40 | 21 | 19 | 643 |
| Potential transpiration | 26 | 5 | 0 | 1 | 11 | 26 | 60 | 65 | 85 | 99 | 77 | 51 | 18 | 2 | 2 | 497 |

NOTES ON THE TABLE

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