

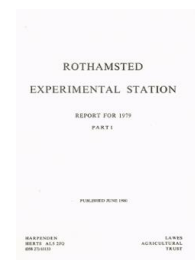
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## Report for 1979 - Part 1

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## Weather Tables Broom's Barn

### Rothamsted Research

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BROOM'S BARN WEATHER 1978-79

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

| Month         | Temperature (°C) |                 |                  |              |                  | Radiation         |  | Wind<br>Run at 2 m<br>km day <sup>-1</sup> | Water (mm)       |               |                |     |  |
|---------------|------------------|-----------------|------------------|--------------|------------------|-------------------|--|--|------------------|---------------|----------------|-----|--|
|               | Mean<br>maximum  | Mean<br>minimum | Soil at<br>10 cm | Dew<br>point | Ground<br>frosts | Sunshine<br>hours | Solar<br>Radn.<br>MJ m <sup>-2</sup> day <sup>-1</sup> |  | Rainfall<br>(mm) | Evaporation   |                |     |  |
|               |                  |                 |                  |              |                  |                   |  | Rain<br>days                               |                  | Open<br>water | Pot.<br>trans. |     |  |
| 1978          |                  |                 |                  |              |                  |                   |  |  |                  |               |                |     |  |
| October       | 15.3             | 8.5             | 10.3             | 9.3          | 0                | 95                | 4.91   | 164  | 8                | 10            | 33             | 18  |  |
| November      | 11.1             | 5.4             | 7.3              | 5.6          | 6                | 96                | 3.13   | 248  | 17               | 9             | —              | 7   |  |
| December      | 6.4              | 1.8             | 3.5              | 2.5          | 12               | 39                | 1.45   | 247  | 90               | 21            | —              | 1   |  |
| 1979          |                  |                 |                  |              |                  |                   |  |  |                  |               |                |     |  |
| January       | 2.0 (-4.2)       | -3.2 (-4.6)     | 0.3              | -2.0         | 27               | 63 (+18)          | 2.04   | 233  | 57 (+10)         | 22            | —              | 1   |  |
| February      | 3.0 (-3.4)       | -1.2 (-2.2)     | 0.4              | -1.0         | 26               | 42 (-19)          | 3.35   | 234  | 51 (+16)         | 14            | —              | 9   |  |
| March         | 7.9 (-0.9)       | 1.5 (-0.4)      | 3.0              | 1.9          | 13               | 92 (-22)          | 5.61   | 314  | 80 (+43)         | 20            | —              | 25  |  |
| April         | 11.7 (+0.2)      | 4.1 (+0.4)      | 6.6              | 4.0          | 6                | 121 (-18)         | 9.63   | 237  | 45 (+2)          | 20            | 63             | 45  |  |
| May           | 15.5 (-0.5)      | 6.5 (-0.3)      | 10.9             | 6.8          | 7                | 211 (+18)         | 14.60  | 224  | 70 (+25)         | 20            | 104            | 76  |  |
| June          | 18.7 (-0.5)      | 9.9 (+0.4)      | 15.9             | 10.3         | 0                | 189 (-22)         | 16.84  | 176  | 27 (-25)         | 7             | 129            | 85  |  |
| July          | 21.2 (+0.4)      | 11.8 (+0.3)     | 17.8             | 11.3         | 0                | 177 (-6)          | 15.75  | 173  | 17 (-28)         | 6             | 128            | 99  |  |
| August        | 20.4 (-0.6)      | 11.3 (-0.2)     | 15.6             | 12.0         | 0                | 173 (-5)          | 13.21  | 171  | 61 (+7)          | 14            | 121            | 74  |  |
| September     | 19.0 (+0.7)      | 9.8 (0.0)       | 13.7             | 10.5         | 1                | 187 (+41)         | 10.81  | 213  | 16 (-37)         | 8             | 80             | 50  |  |
| October       | 15.2 (+0.8)      | 7.9 (+0.6)      | 10.4             | 9.8          | 5                | 119 (+14)         | 5.56   | 178  | 53 (+11)         | 9             | 37             | 14  |  |
| November      | 9.5 (+0.5)       | 3.3 (0.0)       | 5.1              | 4.1          | 6                | 66 (-6)           | 2.74   | 227  | 41 (-22)         | 15            | —              | 5   |  |
| December      | 7.8 (+1.1)       | 3.3 (+1.5)      | 4.4              | 3.2          | 11               | 64 (+19)          | 1.74   | 293  | 96 (+42)         | 21            | —              | 2   |  |
| Total or mean | 12.7 (-0.5)      | 5.4 (-0.4)      | 8.7              | 5.9          | 102              | 1504 (+12)        | 8.49   | 223  | 614 (+44)        | 176           | —              | 485 |  |

NOTES ON THE TABLE

Except for the last column, all quantities are measured.  
 Departures from long-period average are for different periods:  
 Air Temperature and Rainfall 1964-78; Sunshine 1965-78.