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## Report for 1972 - Part 1

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### Weather Tables Broom's Barn

#### Rothamsted Research

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BROOM'S BARN WEATHER 1971-72

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

|               | Temperature (°C) |                  |          |                  | Radiation         |   | Wind<br>Run at 2 m<br>km day <sup>-1</sup> | Water (mm) |              |                              |                |
|---------------|------------------|------------------|----------|------------------|-------------------|---|--|------------|--------------|------------------------------|----------------|
|               | Mean air         | Soil at<br>10 cm | Dewpoint | Ground<br>Frosts | Sunshine<br>hours | mWh<br>cm <sup>-2</sup> day <sup>-1</sup> |  | Rainfall   | Rain<br>days | Evaporation<br>Open<br>water | Pot.<br>Trans. |
| <b>1971</b>   |                  |                  |          |                  |                   |   |  |            |              |                              |                |
| October       | 11.6             | 10.2             | 9.1      | 4                | 152               | 173                                       | 217  | 59         | 10           | 44                           | 18             |
| November      | 5.7              | 4.9              | 3.6      | 12               | 83                | 80  | 253  | 77         | 20           | 20                           | 5              |
| December      | 5.7              | 4.9              | 4.1      | 7                | 29                | 45  | 238  | 23         | 12           | 7                            | 3              |
| <b>1972</b>   |                  |                  |          |                  |                   |   |  |            |              |                              |                |
| January       | 3.1 (-0.3)       | 3.0              | 1.3      | 11               | 38 (-7)           | 51  | 258  | 59 (+13)   | 25           | —                            | 3              |
| February      | 4.0 (+0.5)       | 2.8              | 2.6      | 9                | 42 (-18)          | 87  | 238  | 36 (+2)    | 18           | —                            | 9              |
| March         | 6.7 (+1.6)       | 4.7              | 3.2      | 13               | 150 (+29)         | 229                                       | 256  | 40 (+3)    | 17           | —                            | 33             |
| April         | 8.0 (+0.3)       | 7.5              | 4.0      | 3                | 131 (-6)          | 270                                       | 296  | 43 (-6)    | 18           | 66                           | 51             |
| May           | 11.0 (-0.6)      | 10.9             | 6.7      | 1                | 179 (-11)         | 396                                       | 267  | 40 (-2)    | 22           | 100                          | 77             |
| June          | 12.5 (-1.7)      | 13.4             | 7.7      | 0                | 170 (-29)         | 432                                       | 211  | 30 (-23)   | 16           | 111                          | 83             |
| July          | 15.9 (-0.1)      | 16.3             | 11.9     | 0                | 156 (-21)         | 374                                       | 179  | 35 (-19)   | 14           | 105                          | 81             |
| August        | 15.7 (-0.2)      | 15.6             | 11.1     | 0                | 193 (+30)         | 357                                       | 197  | 26 (-28)   | 7            | 117                          | 73             |
| September     | 12.1 (-1.9)      | 11.9             | 8.8      | 0                | 114 (-26)         | 223                                       | 158  | 46 (-1)    | 8            | 67                           | 35             |
| October       | 10.7 (-0.5)      | 9.3              | 7.9      | 3                | 100 (-10)         | 151                                       | 203  | 3 (-36)    | 6            | 43                           | 23             |
| November      | 6.1 (+0.2)       | 5.4              | 3.9      | 8                | 79 (+13)          | 78  | 273  | 54 (-13)   | 16           | 19                           | 6              |
| December      | 5.5 (+1.6)       | 4.5              | 3.9      | 8                | 58 (+18)          | 52  | 233  | 58 (0)     | 17           | 11                           | -2             |
| Total or mean | 9.3              | 8.8              | 6.1      | 56               | 1410 (-38)        | 225                                       | 231  | 470 (-111) | 184          |                              | 472            |

NOTES ON THE TABLE

1. Except for the last column, all quantities are measured.
2. Departures from average (in brackets) are for different periods: Air temperature and rainfall, 1964-72; Sunshine, 1965-72.