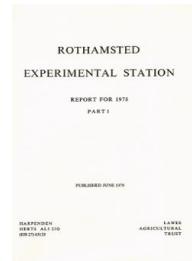


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# Report for 1978 - Part 1

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## Weather Tables Rothamsted

### Rothamsted Research

Rothamsted Research (1979) *Weather Tables Rothamsted* ; Report For 1978 - Part 1, pp 326 - 326 -  
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## ROTHAMSTED WEATHER 1977-78

Latitude 51° 48' 30" N; Longitude 0° 21' 10" W; Altitude 128 m

|               | Water (mm)       |              |               |           |               |                |  |                                 |           |                | Evaporation |             |
|---------------|------------------|--------------|---------------|-----------|---------------|----------------|--|---------------------------------|-----------|----------------|-------------|-------------|
|               | Temperature (°C) |              |               |           |               | Radiation      |  |                                 | Wind      |                |             |             |
|               | Mean maximum     | Mean minimum | Soil at 10 cm | Dew-point | Ground frosts | Sunshine hours | mWh cm <sup>-2</sup> day <sup>-1</sup> | Run at 2 m km day <sup>-1</sup> | Rain days | Rain bare soil | Open water  | Pot. trans. |
| 1977          |                  |              |               |           |               |                |  |                                 |           |                |             |             |
| October       | 15.2             | 7.9          | 10.3          | 9.3       | 1             | 106            | 177                                    | 161                             | 49        | 17             | 18          | 31          |
| November      | 9.0              | 3.3          | 5.2           | 3.7       | 15            | 88             | 106                                    | 328                             | 60        | 19             | 40          | 21          |
| December      | 8.1              | 3.0          | 4.7           | 3.7       | 11            | 42             | 49                                     | 242                             | 60        | 19             | 55          | 7           |
| 1978          |                  |              |               |           |               |                |  |                                 |           |                |             |             |
| January       | 5.3 (-0.4)       | -0.5 (-0.7)  | 2.3           | 0.8       | 23            | 44 (-7)        | 61                                     | 243                             | 103 (+41) | 19             | 92          | 9           |
| February      | 5.0 (-1.5)       | -0.2 (-0.7)  | 1.9           | 0.2       | 21            | 53 (-14)       | 117                                    | 248                             | 58 (+6)   | 15             | 48          | 3           |
| March         | 10.3 (+1.2)      | 2.6 (+1.3)   | 4.7           | 3.7       | 18            | 122 (+6)       | 245                                    | 302                             | 77 (+32)  | 21             | 46          | 27          |
| April         | 9.8 (-2.3)       | 2.5 (-0.7)   | 5.5           | 3.0       | 15            | 110 (-41)      | 291                                    | 257                             | 57 (+12)  | 16             | 27          | 39          |
| May           | 15.9 (0.0)       | 6.2 (0.0)    | 11.2          | 7.0       | 5             | 205 (+11)      | 463                                    | 180                             | 66 (+16)  | 11             | 47          | 79          |
| June          | 18.1 (-0.8)      | 8.8 (-0.4)   | 14.4          | 9.3       | 1             | 161 (-43)      | 441                                    | 110                             | 84 (+29)  | 13             | 14          | 88          |
| July          | 18.9 (-1.7)      | 10.4 (-0.7)  | 15.4          | 11.1      | 0             | 146 (-46)      | 411                                    | 161                             | 59 (+6)   | 12             | 17          | 84          |
| August        | 19.7 (-0.7)      | 10.3 (-0.6)  | 15.2          | 11.0      | 1             | 166 (-14)      | 375                                    | 141                             | 35 (-28)  | 13             | 9           | 88          |
| September     | 18.9 (+1.2)      | 9.5 (+0.4)   | 13.3          | 10.0      | 1             | 156 (+12)      | 303                                    | 226                             | 30 (-31)  | 9              | Trace       | 81          |
| October       | 15.7 (+2.4)      | 7.4 (+1.6)   | 10.0          | 9.0       | 8             | 102 (-1)       | 171                                    | 158                             | 5 (-56)   | 8              | —           | 41          |
| November      | 11.2 (+2.3)      | 4.8 (+2.1)   | 7.3           | 6.1       | 10            | 87 (+25)       | 106                                    | 239                             | 21 (-52)  | 10             | —           | 17          |
| December      | 6.4 (-0.1)       | 1.1 (+0.1)   | 3.5           | 2.2       | 17            | 36 (-9)        | 50                                     | 253                             | 128 (+64) | 23             | 108         | 5           |
| Total or mean | 12.9 (-0.1)      | 5.2 (+0.1)   | 8.7           | 6.1       | 120           | 1388 (-121)    | 253                                    | 210                             | 723 (+39) | 176            | 408         | 561         |
|               |                  |              |               |           |               |                |  |                                 |           |                |             |             |

## NOTES ON THE TABLE

1. Except for the last column, all quantities are measured.
2. Drainage and evaporation are measured in inches.
3. Drainage is through 50 cm bare undisturbed soil.
4. Departures from long-period averages (in brackets) are for different periods; Air temperatures 1878-1977; Sunshine 1882-1977; Rain 1948-77.