

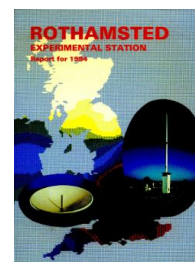
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# Rothamsted Experimental Station Report for 1984

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## Woburn Weather 1983-84

### Rothamsted Research

Rothamsted Research (1985) *Woburn Weather 1983-84* ; Rothamsted Experimental Station Report For 1984, pp 319 - 319 - DOI: <https://doi.org/10.23637/ERADOC-1-25>

## WOBURN WEATHER 1983-84

Latitude 52° 1' 5" N; Longitude 0° 35' 35" W; Altitude 89 m

|                                                                 | 1983 |      | 1984 |      | Jan  | Feb  | Mar  | Apr  | May  | June | July | Aug  | Sept | Oct  | Nov  | Dec  | Year |
|-----------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| TEMPERATURE (°C)                                                | Oct  | Nov  | Dec  | Jan  | Feb  | Mar  | Apr  | May  | June | July | Aug  | Sept | Oct  | Nov  | Dec  | Year |      |
| Mean screen maximum                                             | 14.1 | 10.1 | 8.2  | 6.7  | 6.1  | 7.6  | 13.2 | 14.1 | 19.7 | 22.8 | 23.4 | 17.2 | 14.9 | 10.7 | 8.3  | 13.7 |      |
| Difference from average                                         | +0.1 | +0.9 | +1.2 | +0.8 | -0.2 | -1.5 | +1.1 | -1.7 | +0.6 | +2.1 | +3.1 | -0.8 | +0.9 | +1.5 | +1.3 | +0.6 |      |
| Mean screen minimum                                             | 6.5  | 4.2  | 2.5  | 0.7  | 0.2  | 1.4  | 1.6  | 4.0  | 8.9  | 10.4 | 11.5 | 10.1 | 7.9  | 5.4  | 2.4  | 5.4  |      |
| Difference from average                                         | 0.0  | +1.0 | +1.0 | +0.2 | -0.2 | -0.1 | -1.7 | -2.2 | 0.0  | -0.5 | +0.7 | +1.0 | +1.4 | +2.2 | +0.9 | +0.1 |      |
| Soil at 10 cm                                                   | 9.7  | 7.0  | 4.4  | 2.6  | 2.6  | 3.9  | 6.4  | 10.2 | 15.8 | 17.7 | 17.1 | 13.4 | 10.4 | 7.9  | 4.6  | 9.4  |      |
| Dew point                                                       | 8.2  | 5.7  | 3.6  | 1.1  | 0.5  | 2.1  | 2.5  | 5.9  | 10.6 | 11.5 | 13.8 | 9.9  | 9.9  | 7.1  | 3.6  | 6.5  |      |
| No. of days with ground frost                                   | 9    | 8    | 14   | 26   | 18   | 16   | 20   | 10   | 1    | 1    | 2    | 4    | 6    | 6    | 21   | 131  |      |
| RADIATION                                                       |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Sunshine (h per month)                                          | 110  | 38   | 40   | 66   | 55   | 35   | 223  | 134  | 158  | 208  | 184  | 93   | 94   | 44   | 61   | 1355 |      |
| Difference from average                                         | +10  | -24  | -5   | +16  | -6   | -72  | +91  | -50  | -35  | +32  | +22  | -42  | -6   | -18  | -16  | -84  |      |
| Mean daily radiation<br>(MJ m <sup>-2</sup> day <sup>-1</sup> ) | 6.5  | N/A  | N/A  | N/A  | 4.7  | 6.1  | 16.6 | 16.5 | 19.8 | 19.6 | 15.2 | 8.7  | 6.3  | 2.9  | 2.3  | N/A  |      |
| WIND (km day <sup>-1</sup> )                                    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Wind run at 2 m                                                 | 275  | 137  | 279  | 312  | 230  | 171  | 165  | 152  | 166  | 150  | 135  | 190  | 238  | 210  | 179  | 191  |      |
| WATER (mm per month)                                            |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| Rainfall (5 inch gauge)                                         | 45   | 40   | 45   | 73   | 45   | 49   | 9    | 88   | 49   | 12   | 69   | 89   | 48   | 105  | 49   | 685  |      |
| Difference from average                                         | -7   | -19  | -14  | +20  | +3   | 0    | -36  | +38  | -7   | -39  | +2   | +35  | -4   | +46  | -10  | +48  |      |
| Rain days                                                       | 13   | 9    | 17   | 19   | 15   | 12   | 6    | 12   | 9    | 7    | 8    | 16   | 14   | 16   | 19   | 153  |      |

NOTE ON THE TABLE

Averages are for 30 years, 1951-80.