

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED
RESEARCH

Rothamsted Experimental Station Report for 1987

[Full Table of Content](#)



Woburn Weather 1986-87

Rothamsted Research

Rothamsted Research (1988) *Woburn Weather 1986-87* ; Rothamsted Experimental Station Report For 1987, pp 233 - 233 - DOI: <https://doi.org/10.23637/ERADOC-1-28>

WOBURN WEATHER 1986-87

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

| | 1986 | | 1987 | | | | | | | | | | | | Year | |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | |
| TEMPERATURE (°C) | | | | | | | | | | | | | | | | |
| Mean screen maximum | 15.3 | 10.9 | 8.8 | 2.5 | 6.9 | 7.4 | 14.9 | 14.6 | 17.2 | 20.3 | 20.2 | 18.3 | 13.7 | 8.7 | 7.9 | 12.7 |
| Difference from average | +1.3 | +1.7 | +1.8 | -3.4 | +0.6 | -1.7 | +2.8 | -1.2 | -1.9 | -0.4 | -0.1 | -0.3 | -0.3 | -0.5 | +0.8 | -0.4 |
| Mean screen minimum | 6.5 | 4.7 | 2.7 | -2.6 | 1.7 | 0.4 | 5.7 | 5.7 | 8.6 | 11.0 | 10.7 | 9.4 | 5.5 | 3.5 | 2.7 | 5.2 |
| Difference from average | 0.0 | +1.5 | +1.2 | -3.1 | +1.3 | -1.1 | +2.4 | -0.5 | -0.3 | +0.1 | -0.1 | +0.3 | -1.0 | +0.3 | +1.2 | 0.0 |
| Soil at 10 cm. | 10.1 | 6.8 | 4.4 | 1.1 | 2.6 | 3.4 | 9.1 | 11.2 | 14.6 | 17.6 | 16.5 | 13.7 | 8.8 | 6.0 | 4.6 | 9.1 |
| Dew point | 8.7 | 6.1 | 3.8 | -1.0 | 2.5 | 1.9 | 7.4 | 6.6 | 10.5 | 12.2 | 12.6 | 11.2 | 7.6 | 4.3 | 3.7 | 6.6 |
| No. of days with ground frost | 3 | 9 | 19 | 23 | 18 | 81 | 9 | 12 | 1 | 0 | 1 | 4 | 7 | 12 | 14 | 122 |
| RADIATION | | | | | | | | | | | | | | | | |
| Sunshine (h per month) | 104 | 75 | 48 | 47 | 46 | 90 | 150 | 157 | 129 | 168 | 156 | 137 | 119 | 36 | 21 | 1256 |
| Difference from average | +4 | +13 | +3 | -4 | -15 | -17 | +18 | -26 | -64 | -8 | -7 | +2 | +19 | -26 | -25 | -153 |
| Mean daily radiation (MJ m ⁻² day ⁻¹) | 6.2 | 3.3 | 2.1 | 2.4 | 4.6 | 7.8 | 13.6 | 16.2 | 15.6 | 15.8 | 13.8 | 10.9 | 6.7 | 2.8 | 1.9 | 112.1 |
| WIND (km day⁻¹) | | | | | | | | | | | | | | | | |
| Wind run at 2 m | 194 | 248 | 275 | 115 | 173 | 223 | 173 | 168 | 154 | 132 | 132 | 161 | 156 | 178 | 166 | 161 |
| WATER (mm per month) | | | | | | | | | | | | | | | | |
| Rainfall (5 inch gauge) | 75 | 68 | 67 | 18 | 29 | 48 | 56 | 48 | 109 | 72 | 47 | 37 | 152 | 57 | 25 | 698 |
| Difference from average | +22 | +9 | +9 | -35 | -13 | -1 | +11 | -3 | +53 | +21 | -19 | -17 | +100 | -3 | -34 | +60 |
| Rain days | 14 | 19 | 19 | 12 | 14 | 18 | 12 | 14 | 22 | 14 | 13 | 16 | 20 | 14 | 10 | 179 |

NOTES ON THE TABLE

Averages are for 30 years 1951-1980