# Yields of the Field Experiments 1998

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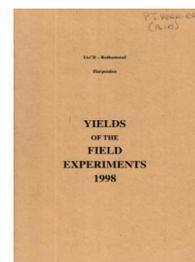
## 98/E/1 Meteorological Records 1998 - Rothamsted

### Rothamsted Research

# METEOROLOGICAL RECORDS 1998 - ROTHAMSTED

(Departure from 30-year means in brackets)

Mean temperature: °C

| MONTH | Total sunshine: hours | | Air(1) | | Dew point | In ground under grass 30cm | 100cm |
|-------|------|-------|--------------|------|------|------|------|
| JAN | 62 | (+10) | 4.8 | (+1.7) | 3.0 | 5.7 | 7.4 |
| FEB | 117 | (+52) | 6.4 | (+3.2) | 3.7 | 5.7 | 6.5 |
| MAR | 76 | (-30) | 7.3 | (+2.1) | 5.0 | 7.5 | 7.4 |
| APR | 102 | (-36) | 7.7 | (+0.1) | 5.3 | 9.1 | 8.5 |
| MAY | 205 | (+18) | 12.7 | (+1.8) | 9.0 | 12.9 | 10.7 |
| JUN | 156 | (-35) | 14.4 | (+0.5) | 12.4 | 15.2 | 13.0 |
| JUL | 180 | ( -9) | 15.7 | (-0.2) | 11.8 | 16.6 | 14.5 |
| AUG | 232 | (+53) | 16.3 | (+0.4) | 11.8 | 16.9 | 15.5 |
| SEP | 139 | ( -1) | 15.0 | (+1.5) | 12.5 | 15.5 | 15.0 |
| OCT | 88 | (-16) | 10.3 | (-0.1) | 8.6 | 12.4 | 13.6 |
| NOV | 68 | ( +3) | 5.3 | (-0.7) | 3.3 | 7.6 | 10.2 |
| DEC | 38 | ( -9) | 5.5 | (+1.5) | 3.5 | 6.2 | 7.9 |
| YEAR* | 1463 | 0 | 10.1 | (+1.0) | 7.5 | 10.9 | 10.9 |

| MONTH | Ground frosts (2) | Total rainfall:mm 12.7cm (5 in) gauge | | Rain days (3) | Drainage through 50.8cm (20 in) soil:mm | Wind km per hour (4) |
|-------|------|------|-------|------|------|------|
| JAN | 17 | 70 | ( +5) | 13 | 59 | 10.1 |
| FEB | 15 | 9 | (-39) | 7 | 0 | 7.5 |
| MAR | 11 | 63 | ( +6) | 12 | 30 | 8.1 |
| APR | 9 | 115 | (+62) | 25 | 74 | 6.7 |
| MAY | 2 | 20 | (-33) | 8 | 0 | 4.9 |
| JUN | 1 | 103 | (+46) | 22 | 30 | 4.3 |
| JUL | 0 | 39 | ( -8) | 12 | 4 | 4.9 |
| AUG | 0 | 29 | (-25) | 9 | 0 | 4.0 |
| SEP | 0 | 130 | (+75) | 14 | 65 | 4.8 |
| OCT | 5 | 115 | (+50) | 21 | 77 | 9.5 |
| NOV | 17 | 81 | (+17) | 18 | 67 | 4.7 |
| DEC | 14 | 68 | ( -1) | 21 | 56 | 7.4 |
| YEAR* | 91 | 842 | (+154) | 182 | 462 | 6.4 |

30-year means are for the period 1961-90
(1) Mean of maximum and minimum
(2) Number of nights grass min. was below 0.0°C
(3) Number of days rainfall was 0.2 mm or more
(4) At 2 metres above ground level
*Mean or total