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Yields of the Field Experiments 1988

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88/E/1 Meteorological Records 1988 - Rothamsted

Rothamsted Research

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METEOROLOGICAL RECORDS 1988 - ROTHAMSTED

(Departure from 30-year means in brackets)

| MONTH | Total sunshine: hours | Mean temperature: C | | | |
|-------|-----------------------------|---------------------|--------------|--------------------------|-------|
| | | Air(1) | Dew point | In ground under grass | |
| | | | | 30cm | 100cm |
| JAN | 51 (+1) | 4.8 (+2.0) | 3.2 | 6.2 | 7.6 |
| FEB | 109 (+47) | 4.2 (+1.1) | 1.2 | 4.8 | 6.3 |
| MAR | 91 (-18) | 6.0 (+0.9) | 3.5 | 6.0 | 6.3 |
| APR | 130 (-10) | 7.8 (+0.1) | 4.8 | 8.4 | 7.7 |
| MAY | 182 (-7) | 11.6 (+0.5) | 8.5 | 11.7 | 9.8 |
| JUNE | 154 (-43) | 13.5 (-0.5) | 10.3 | 13.5 | 11.6 |
| JULY | 159 (-21) | 14.4 (-1.2) | 11.7 | 15.1 | 13.3 |
| AUG | 202 (+35) | 15.5 (-0.2) | 11.4 | 15.4 | 14.0 |
| SEPT | 140 (0) | 13.3 (-0.3) | 10.5 | 13.9 | 13.6 |
| OCT | 106 (+6) | 10.6 (+0.3) | 9.0 | 11.9 | 12.3 |
| NOV | 82 (+20) | 4.8 (-1.1) | 3.4 | 7.9 | 10.1 |
| DEC | 39 (-7) | 6.6 (+2.5) | 5.5 | 7.0 | 8.2 |
| YEAR* | 1443 (+2) | 9.4 (+0.3) | 6.9 | 10.1 | 10.1 |

| MONTH | Ground frosts (2) | Total rainfall:mm | Rain days (3) | Drainage through 50.8cm (20 in) soil:mm | Wind km per hour (4) |
|-------|-------------------------|------------------------|---------------------|---|-------------------------------|
| | | 12.7cm (5 in) gauge | | | |
| JAN | 19 | 137 (+74) | 27 | 123 | 9.6 |
| FEB | 25 | 42 (-10) | 12 | 32 | 12.1 |
| MAR | 12 | 65 (+13) | 18 | 33 | 11.0 |
| APR | 13 | 29 (-18) | 10 | TRACE | 8.2 |
| MAY | 10 | 50 (-1) | 14 | 15 | 7.0 |
| JUNE | 1 | 57 (-1) | 11 | 16 | 6.8 |
| JULY | 1 | 95 (+43) | 24 | 46 | 6.5 |
| AUG | 1 | 60 (-1) | 12 | 15 | 6.0 |
| SEPT | 3 | 52 (-7) | 11 | 29 | 7.3 |
| OCT | 9 | 70 (+10) | 15 | 47 | 6.7 |
| NOV | 23 | 30 (-40) | 12 | 17 | 4.3 |
| DEC | 18 | 20 (-49) | 11 | 15 | 9.0 |
| YEAR* | 135 | 705 (+12) | 177 | 385 | 7.9 |

- (1) 30-year means are for the period 1951-80
- (2) Mean of maximum and minimum
- (3) Number of nights grass min. was below 0.0 C
- (4) Number of days rainfall was 0.2 mm or more
- (5) At 2 metres above ground level
- *Mean or total