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# Yields of the Field Experiments 1984

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## 84/E/1 Meteorological Records 1984 - Rothamsted

### Rothamsted Research

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# METEOROLOGICAL RECORDS 1984 - ROTHAMSTED

(Departure from long-period means in brackets)

| MONTH | Total<br>sunshine:<br>hours | Mean temperature: C |              |                          |       |
|-------|-----------------------------|---------------------|--------------|--------------------------|-------|
|       |                             | Air(1)              | Dew<br>point | In ground<br>under grass |       |
|       |                             |                     |              | 30cm                     | 100cm |
| JAN   | 91 (+40)                    | 3.3 (+0.4)          | 1.0          | 4.9                      | 7.2   |
| FEB   | 72 ( +5)                    | 2.9 (-0.5)          | 0.8          | 4.2                      | 5.8   |
| MAR   | 45 (-69)                    | 4.4 (-0.8)          | 2.0          | 5.1                      | 5.8   |
| APR   | 233 (+83)                   | 7.5 (-0.2)          | 1.4          | 7.4                      | 6.7   |
| MAY   | 136 (-57)                   | 9.1 (-2.0)          | 5.7          | 10.1                     | 8.9   |
| JUNE  | 242 (+41)                   | 14.2 (+0.2)         | 10.5         | 14.7                     | 11.5  |
| JULY  | 228 (+38)                   | 16.5 (+0.6)         | 11.5         | 16.1                     | 13.8  |
| AUG   | 201 (+21)                   | 17.6 (+2.0)         | 13.3         | 16.9                     | 14.9  |
| SEPT  | 100 (-44)                   | 13.3 (-0.1)         | 10.4         | 14.5                     | 14.5  |
| OCT   | 93 (-10)                    | 10.9 (+1.3)         | 9.4          | 12.1                     | 12.7  |
| NOV   | 50 (-12)                    | 7.9 (+2.0)          | 6.3          | 9.8                      | 11.2  |
| DEC   | 48 (+ 3)                    | 4.7 (+0.9)          | 3.5          | 6.7                      | 9.0   |
| YEAR* | 1541 (+39)                  | 9.3 (+0.3)          | 6.3          | 10.2                     | 10.2  |

  

| MONTH | Ground<br>frosts<br>(2) | Total<br>rainfall:mm<br>0.000405 ha<br>(1/1000 acre)<br>gauge | Rain<br>days<br>(3) | Drainage<br>through<br>50.8cm<br>(20 in)<br>soil:mm | Wind km<br>per<br>hour<br>(4) |
|-------|-------------------------|---------------------------------------------------------------|---------------------|-----------------------------------------------------|-------------------------------|
|       |                         |                                                               |                     |                                                     |                               |
| JAN   | 28                      | 99 (+35)                                                      | 21                  | 80                                                  | 13.2                          |
| FEB   | 22                      | 49 ( 0)                                                       | 14                  | 34                                                  | 10.6                          |
| MAR   | 22                      | 66 (+16)                                                      | 14                  | 42                                                  | 9.4                           |
| APR   | 22                      | 8 (-42)                                                       | 6                   | 1                                                   | 8.0                           |
| MAY   | 14                      | 82 (+27)                                                      | 14                  | 22                                                  | 9.0                           |
| JUNE  | 3                       | 56 ( 0)                                                       | 10                  | 17                                                  | 6.5                           |
| JULY  | 0                       | 14 (-48)                                                      | 7                   | 0                                                   | 5.5                           |
| AUG   | 0                       | 49 (-15)                                                      | 10                  | 0                                                   | 5.9                           |
| SEPT  | 3                       | 98 (+37)                                                      | 15                  | 26                                                  | 7.2                           |
| OCT   | 12                      | 91 (+17)                                                      | 17                  | 60                                                  | 7.8                           |
| NOV   | 10                      | 112 (+41)                                                     | 24                  | 89                                                  | 8.5                           |
| DEC   | 21                      | 63 ( -4)                                                      | 23                  | 56                                                  | 6.8                           |
| YEAR* | 157                     | 787 (+64)                                                     | 175                 | 426                                                 | 8.2                           |

- (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