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Weather Tables Rothamsted

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ROTHAMSTED WEATHER 1970-71

Latitude 51° 48' 30" N; Longitude 0° 21' 10" W; Altitude 128 m

| | Temperature (°C) | | | | Radiation | | | Wind | Water | | | |
|---------------|------------------|---------------|-----------|---------------|----------------|--|---------------------------------|-----------|---------|-----------|--------------------|-----------------------------|
| | Mean air | Soil at 10 cm | Dew-point | Ground frosts | Sunshine hours | mWh cm ⁻² day ⁻¹ | Run at 2 m km day ⁻¹ | | Rain mm | Rain days | Drainage bare soil | Evaporation (mm) Open water |
| 1970 | | | | | | | | | | | | |
| Oct. | 10.7 | 9.6 | 8.1 | 10 | 97 | 150 | 235 | 22 | 12 | TR | 35 | 24 |
| Nov. | 7.3 | 6.3 | 5.2 | 8 | 52 | 87 | 250 | 156 | 23 | 128 | 18 | 9 |
| Dec. | 3.3 | 3.3 | 2.3 | 22 | 36 | 43 | 235 | 50 | 17 | 30 | 6 | -3 |
| 1971 | | | | | | | | | | | | |
| Jan. | 3.7 (+0.8) | 3.6 | 2.3 | 14 | 31 (-21) | 43 | 215 | 86 (+26) | 19 | 90 | 5 | 5 |
| Feb. | 4.1 (+0.7) | 2.9 | 1.6 | 21 | 75 (+6) | 109 | 200 | 27 (-24) | 9 | 19 | 14 | 9 |
| March | 4.4 (-0.8) | 3.7 | 1.0 | 18 | 95 (-21) | 191 | 235 | 67 (+23) | 19 | 38 | 31 | 29 |
| April | 7.3 (-0.4) | 6.8 | 3.4 | 13 | 123 (-30) | 284 | 255 | 36 (-12) | 10 | 14 | 53 | 49 |
| May | 11.5 (+0.4) | 11.9 | 6.8 | 6 | 228 (+34) | 473 | 185 | 49 (-4) | 11 | 11 | 90 | 85 |
| June | 12.3 (-1.8) | 13.3 | 9.0 | 0 | 131 (-72) | 398 | 225 | 103 (+48) | 14 | 65 | 79 | 75 |
| July | 16.8 (+0.9) | 18.1 | 12.7 | 0 | 222 (+31) | 462 | 150 | 15 (-45) | 7 | TR | 113 | 93 |
| Aug. | 15.7 (+0.1) | 15.6 | 12.6 | 0 | 130 (-49) | 312 | 190 | 64 (-2) | 19 | 10 | 73 | 60 |
| Sept. | 13.9 (+0.5) | 13.5 | 11.2 | 1 | 167 (+22) | 294 | 125 | 13 (-47) | 4 | TR | 78 | 43 |
| Oct. | 11.1 (+1.5) | 9.6 | 9.3 | 7 | 143 (+40) | 179 | 185 | 73 (+12) | 9 | 44 | 35 | 14 |
| Nov. | 5.3 (-0.5) | 4.7 | 3.8 | 17 | 84 (+23) | 85 | 215 | 69 (-6) | 16 | 45 | 17 | 1 |
| Dec. | 5.7 (+2.1) | 5.1 | 4.3 | 10 | 26 (-19) | 33 | 205 | 20 (-47) | 7 | 14 | 8 | 1 |
| Total or mean | 9.3 (+0.1) | 9.1 | 6.5 | 107 | 1455 (-56) | 239 | 200 | 622 (-78) | 144 | 350 | 596 | 464 |

NOTES ON THE TABLE

1. Except for last column, all quantities are measured.
2. Drainage and evaporation measured in inches, soil temperature in °F.
3. Drainage is through 50 cm bare undisturbed soil.
4. Departures from long-period averages (in brackets) are for different periods:
Air temperature 1878-1970; Sunshine 1892-1970; Rain 1948-70.