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Yields of the Field Experiments 2001

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Yields of the
Classical
and other
Long-term Experiments
2001

MACR - Rothamsted

Weather Monthly Summary

Rothamsted Research

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| Rothamsted Experimental Station | | | | | | | | | | | | | | | |
|--|----------|---------|----------------------|---------|-----------|-----------------|-----------------------------|--------|-----------------------|--------------|------------|----------|-------|-------|------|
| The Weather : Monthly Summary : 2001 | | | | | | | | | | | | | | | |
| (Departure from 30-year means (1971 - 2000) in brackets) | | | | | | | | | | | | | | | |
| | Sunshine | | Mean temperatures oC | | | | | | | Rain | | Drainage | Wind | | |
| | Hours | () | Maximum | Minimum | Dew point | Ground frosts * | In ground under grass 30 cm | 100 cm | Total mm 5" turf wall | Rain days ** | 20 inch mm | *** | km/hr | | |
| January | 84.2 | (+29.1) | 5.7 | (-0.7) | 0.40 | (-0.5) | 1.4 | 27 | 3.7 | 6.4 | 76.1 | (+6.4) | 16 | 74.8 | 8.2 |
| February | 89.0 | (+18.3) | 7.8 | (+1.1) | 1.50 | (+0.8) | 2.5 | 18 | 4.8 | 5.9 | 110.4 | (+61.6) | 16 | 92.5 | 9.3 |
| March | 68.4 | (-38.8) | 8.2 | (-1.3) | 2.60 | (+0.2) | 3.5 | 10 | 5.5 | 6.1 | 91.4 | (+37.5) | 22 | 70.5 | 9.8 |
| April | 133.2 | (-13.6) | 11.4 | (-0.6) | 4.10 | (+0.5) | 5.1 | 11 | 8.4 | 7.8 | 83.7 | (+30.2) | 23 | 40.5 | 10.4 |
| May | 223.2 | (+28.3) | 17.4 | (+1.6) | 7.80 | (+1.5) | 8.4 | 2 | 12.5 | 10.1 | 50.1 | (+0.4) | 7 | 24.9 | 8.5 |
| June | 230.4 | (+40.1) | 18.8 | (+0.2) | 9.70 | (+0.5) | 10.3 | 0 | 15.4 | 13.1 | 27.8 | (-32.4) | 9 | 0.4 | 7.2 |
| July | 199.8 | (-3.5) | 22.03 | (+0.61) | 13.01 | (+1.65) | 13.4 | 0 | 17.5 | 15.1 | 56.1 | (+11.5) | 10 | 6.4 | 6.4 |
| August | 199.2 | (+2.4) | 21.68 | (+0.25) | 12.87 | (+1.52) | 14.0 | 0 | 17.9 | 16.2 | 119.2 | (+65.5) | 17 | 35.0 | 5.7 |
| September | 127.6 | (-14.7) | 16.54 | (-1.45) | 10.00 | (+0.56) | 10.2 | 0 | 15.2 | 15.4 | 73.8 | (+12.8) | 16 | 29.6 | 7.9 |
| October | 100.7 | (-11.4) | 16.3 | (+2.56) | 10.55 | (+3.9) | 11.6 | 0 | 13.9 | 14.2 | 115.7 | (+41.0) | 20 | 96.9 | 7.6 |
| November | 80.7 | (+14.5) | 10.1 | (+0.72) | 3.67 | (+0.34) | 4.97 | 9 | 9.3 | 11.7 | 49.0 | (-17.2) | 17 | 30.9 | 8.1 |
| December | 73.7 | (+25.6) | 5.85 | (-1.34) | 0.67 | (-1.25) | 1.21 | 22 | 5.9 | 8.8 | 19.5 | (-50.6) | 12 | 22.5 | 9.1 |
| Year | 1610.1 | (+72.4) | 13.48 | (+0.15) | 6.41 | (+0.82) | | 99 | | | 872.8 | (+177.5) | 185 | 524.9 | 8.2 |
| * Number of nights grass minimum was below 0.0 oC | | | | | | | | | | | | | | | |
| ** Number of days rain was 0.2 mm or more | | | | | | | | | | | | | | | |
| *** At 2 metres above ground | | | | | | | | | | | | | | | |

| Woburn Experimental Farm | | | | | | | | | | | | | | |
|---|----------|---------|----------------------|---------|-----------|-----------------|-----------------------------|--------|-------------------------|--------------|-----------|---------|------|-----|
| The Weather : Monthly Summary : 2001 | | | | | | | | | | | | | | |
| (Departure from 30-year means (1971 - 2000) in brackets) | | | | | | | | | | | | | | |
| | Sunshine | | Mean temperatures oC | | | | | | | Rain | | Wind | | |
| | Hours | () | Maximum | Minimum | Dew point | Ground frosts * | In ground under grass 30 cm | 100 cm | Total mm Tipping bucket | Rain days ** | *** km/hr | | | |
| | | () | () | () | () | () | () | () | () | () | () | () | | |
| January | 82.6 | (+34.1) | 6.0 | (-0.7) | 0.0 | (-1.0) | 1.5 | 21 | 3.8 | 6.5 | 50.0 | (-5.3) | 21.0 | 7.1 |
| February | 98.6 | (+34.6) | 8.2 | (+1.1) | 1.0 | (+0.2) | 2.3 | 17 | 4.9 | 5.8 | 79.6 | (+39.0) | 21.0 | 8.1 |
| March | 92.1 | (-9.2) | 8.4 | (-1.5) | 2.2 | (+0.2) | 3.7 | 10 | 5.6 | 6.0 | 97.6 | (+48.0) | 25.0 | 7.9 |
| April | 136.7 | (+0.9) | 11.9 | (-0.4) | 3.9 | (+0.5) | 4.9 | 4 | 8.6 | 7.6 | 80.4 | (+27.7) | 24.0 | 9.2 |
| May | 223.4 | (+40.3) | 17.8 | (+1.8) | 6.9 | (+0.9) | 9.5 | 0 | 12.0 | 9.4 | 48.2 | (-4.5) | 11.0 | 6.5 |
| June | 222.3 | (+45.4) | 19.4 | (+0.5) | 9.0 | 0.0 | 10.7 | 0 | 14.9 | 11.9 | 25.4 | (-33.4) | 12.0 | 6.8 |
| July | 195.6 | (+2.0) | 22.3 | (+0.5) | 12.4 | (+1.2) | 13.4 | 0 | 17.2 | 14.2 | 80.2 | (+34.6) | 11.0 | 6.0 |
| August | 172.2 | (-12.4) | 22.2 | (+0.6) | 12.3 | (+1.2) | 14.8 | 0 | 17.4 | 15.4 | 85.6 | (+31.1) | 19.0 | 6.2 |
| September | 74.5 | | 17.0 | (-1.3) | 9.2 | (+0.1) | 10.3 | 0 | 14.8 | 14.6 | 70.4 | (+12.3) | 20.0 | 4.8 |
| October | 107.7 | (+3.9) | 16.7 | (+2.6) | 10.7 | (+4.2) | 12.4 | 0 | 13.8 | 13.8 | 111.6 | (+47.2) | 25.0 | 9.4 |
| November | 69.0 | (+5.6) | 10.4 | (+0.8) | 3.2 | (-0.2) | 5.2 | 2 | 9.2 | 11.5 | 53.0 | (-4.2) | 19.0 | 7.3 |
| December | 65.4 | (+23.8) | 5.9 | (-1.6) | -0.6 | (-2.5) | 1.4 | 21 | 5.8 | 8.8 | 22.2 | (-37.3) | 18.0 | 6.6 |
| Year | 1540.1 | | | | | | | 75 | | | 804.2 | | 226 | |
| * Number of nights grass minimum was below 0.0 oC | | | | | | | | | | | | | | |
| ** Number of days rain was 0.2 mm or more | | | | | | | | | | | | | | |
| *** At 2 metres above ground | | | | | | | | | | | | | | |
| Records missing from various categories in September due to sensor malfunction. | | | | | | | | | | | | | | |