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Yields of the Field Experiments 2011

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Results of the
Classical and other
Long-term Experiments
2011

Rothamsted- the Weather: Monthly Summary

Rothamsted Research

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Woburn Experimental Farm

The Weather : Monthly Summary : 2011

(Departure from 30-year means (1981 - 2010) in brackets)

| | Sunshine | | Mean temperatures °C | | | | | | | Rain | | | Wind *** km/hr | |
|------------------|----------|----------|----------------------|---------|-----------|-----------------|--------------------------------|--------|----------|----------------|--------------|----------|----------------------|------|
| | Hours | () | Maximum | Minimum | Dew point | Ground frosts * | In ground under grass 30 cm | 100 cm | Total mm | Tipping bucket | Rain days ** | | | |
| January | 43.3 | (-16.7) | 6.3 | (-0.7) | 1.4 | (+0.1) | 3.3 | 17 | 5.0 | 6.3 | 75.6 | (+21.1) | 23 | 8.3 |
| February | 53.5 | (-21.4) | 9.1 | (+1.7) | 3.7 | (+2.8) | 5.9 | 5 | 6.0 | 6.4 | 54.2 | (+12.0) | 20 | 10.3 |
| March | 154.8 | (+41.4) | 11.3 | (+1.0) | 2.2 | (-0.5) | 5.8 | 12 | 6.8 | 6.9 | 5.2 | (-40.7) | 7 | 7.2 |
| April | 226.2 | (+75.3) | 18.1 | (+5.0) | 5.4 | (+1.7) | 8.4 | 13 | 11.0 | 9.0 | 5.2 | (-47.0) | 5 | 7.2 |
| May | 226.4 | (+39.2) | 17.8 | (+1.3) | 7.5 | (+0.9) | 7.6 | 6 | 12.8 | 10.8 | 37.4 | (-15.9) | 11 | 9.7 |
| June | 208.5 | (+20.5) | 19.5 | (-0.1) | 9.3 | (-0.1) | 10.3 | 2 | 15.3 | 12.3 | 57.2 | (+7.1) | 14 | 8.1 |
| July | 152.1 | (-45.0) | 20.4 | (-1.7) | 10.0 | (-1.7) | 11.0 | 0 | 16.4 | 14.0 | 51.6 | (+1.7) | 14 | 6.2 |
| August | 140.2 | (-48.6) | 20.6 | (-1.3) | 11.4 | (-0.2) | 12.9 | 0 | 16.7 | 14.9 | 66.4 | (+8.6) | 15 | 7.1 |
| September | 169.7 | (+32.7) | 20.1 | (+1.4) | 10.9 | (+1.3) | 14.4 | 0 | 15.3 | 14.6 | 50.8 | (-6.3) | 16 | 9.7 |
| October | 133.7 | (+21.9) | 17.2 | (+2.7) | 8.6 | (+1.7) | 10.9 | 5 | 13.5 | 14.0 | 21.2 | (-49.6) | 12 | 9.6 |
| November | 68.2 | (+1.9) | 12.8 | (+2.8) | 6.0 | (+2.3) | 8.9 | 5 | 11.0 | 12.3 | 30.8 | (-31.7) | 16 | 7.4 |
| December | 57.7 | (+12.1) | 8.8 | (+1.6) | 2.8 | (+1.3) | 5.2 | 8 | 6.8 | 9.6 | 74.0 | (+18.2) | 21 | 12.5 |
| Year | 1634.2 | (+113.2) | 15.2 | (+1.1) | 6.6 | (+0.8) | 8.7 | 73.0 | 11.4 | 10.9 | 529.6 | (-122.4) | 174.0 | 8.6 |

* Number of nights grass minimum was below 0.0 °C

** Number of days rain was 0.2 mm or more

***At 2 metres above ground

30 year Mean Rainfall = 652mm