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# Yields of the Field Experiments 2009

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Results of the  
Classical and other  
Long-term Experiments  
2009

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## Rothamsted- the Weather: Monthly Summary

### Rothamsted Research

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Rothamsted Experimental Station

The Weather : Monthly Summary : 2009

(Departure from 30-year means (1971 - 2000) in brackets)

	Sunshine		Mean temperatures °C								Rain		Drainage	Wind <sup>c</sup>	
	Hours	( )	Maximum		Minimum		Dew	Ground	In ground under grass		Total mm		Rain	20 inch	
			°C	( )	°C	( )	point	frosts <sup>a</sup>	30 cm	100 cm	12cm(5") turf wall	days <sup>b</sup>	mm	km/hr	
<b>January</b>	76.2	(+21.15)	5.2	(-1.15)	-0.8	(-1.62)	0.6	23	3.4	6.0	70.4	(+0.7)	21	48.9	9.2
<b>February</b>	85.0	(+14.31)	6.4	(-0.36)	1.0	(+0.26)	1.3	17	3.8	5.2	73.9	(+25.1)	14	68.4	8.4
<b>March</b>	182.0	(+74.81)	11.3	(+1.81)	2.4	(+0.11)	3.1	19	6.7	6.9	37.3	(-16.6)	18	3.2	10.0
<b>April</b>	184.7	(+37.92)	14.7	(+2.75)	5.4	(+1.73)	6.4	11	10.0	8.8	46.7	(-6.8)	16	8.6	8.2
<b>May</b>	242.1	(+47.24)	17.1	(+1.37)	7.7	(+1.34)	7.4	4	12.7	11.0	24.8	(-24.9)	13	0.0	10.5
<b>June</b>	208.3	(+18.02)	20.0	(+1.35)	10.2	(+0.94)	9.7	2	15.3	13.2	68.1	(+7.9)	13	6.4	7.5
<b>July</b>	199.7	(-3.63)	20.8	(-0.58)	12.3	(+0.95)	11.6	0	17.0	15.2	73.3	(+31.2)	19	3.1	9.1
<b>August</b>	185.2	(-11.62)	22.0	(+0.54)	12.7	(+1.34)	12.4	0	17.1	15.7	63.4	(+9.7)	13	15.5	8.0
<b>September</b>	144.7	(+2.35)	18.8	(+0.81)	10.6	(+1.19)	10.0	0	15.1	15.1	15.9	(-45.1)	9	0.0	9.6
<b>October</b>	79.9	(-32.24)	14.7	(+0.98)	8.0	(+1.32)	8.6	5	12.3	13.4	39.1	(-35.6)	15	0.0	7.7
<b>November</b>	77.0	(+6.89)	11.3	(+1.96)	5.9	(+2.62)	6.6	8	9.7	11.4	146.1	(+79.9)	23	8.8	12.3
<b>December</b>	72.4	(+24.33)	5.4	(-1.74)	0.0	(-1.92)	1.1	16	5.7	8.6	105.2	(+35.1)	21	67.2 <sup>d</sup>	9.6
<b>Year</b>	1737.2	(+199.53)	14.0 <sup>e</sup>	(+0.65)	6.3 <sup>e</sup>	(+0.69)	6.6 <sup>e</sup>	105	10.7 <sup>e</sup>	10.9 <sup>e</sup>	764.3	(+60.8)	195	230.1 <sup>d</sup>	9.2 <sup>e</sup>

<sup>a</sup> Number of nights grass minimum was below 0.0 °C

30 year Mean Rainfall = 704mm

<sup>b</sup> Number of days rain was 0.2 mm or more

<sup>c</sup> At 2 metres above ground

<sup>d</sup> Denotes a missing value. In this case the 20" drain measuring equipment failed and we lost data for days 1 to 8 in December.

<sup>e</sup> Monthly mean