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# Yields of the Field Experiments

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## Weather Data

### Rothamsted Research

Rothamsted Research (2016) *Weather Data ; Yields Of The Field Experiments* , pp 53 - 54 - **DOI:** <https://doi.org/10.23637/ERADOC-1-249>

Rothamsted Research													
The Weather : Monthly Summary : 2016													
(Departure from the 30 year means (1981 - 2010) in brackets)													
Sunshine	Mean temperatures °C						In ground under grass	Rain		Rain	Drainage	Wind	
	Hours	Maximum	Minimum	Dew point	Ground	100 cm		Tipping Bucket	20"				days**
( )	( )	( )	( )	( )	( )	frosts*	30 cm	100 cm	Total mm	( )	mm	km/h***	
January	64.5 (+2.46)	8.1 (+1.36)	1.8 (+0.63)	3.17	16	6.5	8.6	92.3 (+22.34)	25	153.1	9.7		
February	111.5 (+31.19)	8.0 (+1.09)	1.6 (+0.67)	2.29	18	5.9	7.5	46.9 (-3.27)	18	22.9	11.2		
March	133.4 (+18.45)	9.2 (-0.65)	1.8 (-0.92)	3.03	18	6.2	7.0	84.3 (+33.52)	16	82.5	9.3		
April	167.6 (+6.37)	11.9 (-0.73)	3.5 (-0.52)	4.09	12	8.8	8.5	62.0 (+6.96)	24	26.1	8.4		
May	197.0 (+2.40)	17.4 (+1.34)	7.9 (+0.99)	8.51	7	12.4	10.5	39.4 (-15.30)	11	0.6	8.6		
June	141.0 (-57.17)	19.0 (-0.11)	11.2 (+1.45)	12.07	0	15.5	13.2	84.8 (+31.58)	22	22.8	5.9		
July	210.3 (+5.09)	22.2 (+0.43)	12.8 (+0.89)	12.82	0	17.3	15.1	27.1 (-22.80)	16	1.8	6.8		
August	217.6 (+21.38)	22.7 (+1.17)	12.9 (+1.02)	13.0	0	17.1	15.9	30.1 (-33.58)	12	0.1	7.7		
September	128.0 (-15.44)	20.4 (+2.10)	12.2 (+2.29)	14.0	0	16.5	16.0	70.3 (+12.68)	16	17.8	6.3		
October	104.0 (-7.73)	14.2 (+0.18)	7.4 (+0.30)	9.4	4	12.4	13.8	30.1 (-51.55)	22	2.3	6.6		
November	91.1 (+20.40)	8.8 (-0.94)	2.6 (-1.24)	4.4	11	8.6	11.0	85.7 (+9.04)	21	56.2	8.0		
December	68.7 (+14.91)	8.7 (+1.77)	2.1 (+0.40)	4.3	18	6.7	8.8	26.2 (-43.28)	24	12.9	6.0		
Year	1634.6 (+42.31)	14.2 (+0.58)	6.5 (+0.50)	7.6	104.0	11.1	11.3	679.3 (-53.66)	227.0	399.0	7.9		

\* Number of nights grass minimum was below 0.0 °C

\*\* Number of days rain was 0.2 mm or more

\*\*\* At 2 metres above the ground

Woburn Experimental Farm													
The Weather : Monthly Summary : 2016													
(Departure from 30-year means (1981 - 2010) in brackets)													
Sunshine		Mean temperatures oC					Ground			Rain			Wind
Hours	( )	Maximum	Minimum	Dew point	frosts *	In ground under grass	Tipping bucket	Total mm	Rain days **	***	km/hr		
	( )	( )	( )	( )	( )	100 cm	30 cm	100 cm					
January	59.2	8.5 (+1.43)	2.3 (+0.99)	3.1	19	9.3	6.6	9.3	73.6 (+19.10)	21	10.3		
February	110.0	8.5 (+1.15)	1.3 (+0.41)	2.1	20	8.0	6.0	8.0	37.8 (-4.36)	12	10.5		
March	119.6	9.6 (-0.75)	1.0 (-1.65)	2.8	19	7.2	6.3	7.2	73.0 (+27.12)	13	8.3		
April	168.7	12.5 (-0.53)	3.0 (-0.75)	4.0	17	8.6	9.3	8.6	51.5 (-0.68)	19	7.6		
May	203.5	17.7 (+1.12)	6.8 (+0.27)	8.5	9	10.6	13.3	10.6	56.1 (+2.85)	12	7.5		
June	-	19.7 (+0.10)	11.1 (+1.71)	12.0	0	13.4	16.9	13.4	141.9 (+91.85)	18	-		
July	-	22.6 (+0.46)	12.6 (+0.96)	13.1	0	15.6	18.9	15.6	22.2 (-27.67)	9	-		
August	216.8	23.2 (+1.28)	12.1 (+0.54)	13.3	0	16.6	18.6	16.6	43.1 (-14.75)	13	7.9		
September	134.3	20.8 (+2.10)	12.3 (+2.75)	14.0	0	16.6	17.4	16.6	56.5 (-0.62)	16	7.2		
October	106.5	14.9 (+0.50)	6.3 (-0.61)	9.6	9	14.6	12.7	14.6	21.6 (-49.20)	16	5.3		
November	78.8	9.1 (-0.86)	2.1 (-1.66)	4.5	17	11.8	8.4	11.8	78.3 (+15.86)	22	6.9		
December	59.7	9.3 (+2.12)	1.7 (+0.26)	4.4	18	9.4	6.3	9.4	34.4 (-21.31)	20	6.1		
Year	-	14.7 (+0.68)	6.1 (+0.26)	7.7	128.0	11.8	11.8	11.8	690.2 (+38.21)	191.0	-		

\* 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

Due to an electrical Storm on 07/06/2016 sensors and data were compromised - RAIN DATA from 16/06/2016 to 20/07/2016 was provided by Met Office © Crown Copyright Met Office 2016