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Rothamsted Long-term Experiments Farm Diary and Yields of the Classical and Other Long-term Experiments Weather Summaries 2023



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Weather Summaries

Rothamsted Research

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Weather Summaries

Rothamsted Research																
The Weather : Monthly Summary : 2023																
(Departure from the 30 year means (1991 - 2020) in brackets)																
	Sunshine	Mean Temperatures °C					Rain			Drainage	Wind ***					
		Maximum	Minimum	Dew point	Ground frosts*	In ground under grass		Tipping Bucket		20"						
		°C	°C	°C	#	30 cm	100 cm	mm	(mm)	Total	mm	km/hr				
Hours	(hours)															
January	88.1	(+24.21)	8.0	(+0.94)	1.3	(-0.30)	2.4	17	5.8	7.6	22	79.6	(+5.47)	22	36.3	9.4
February	110.3	(+24.16)	9.6	(+2.04)	2.2	(+0.69)	3.3	13	5.7	6.6	11	5.7	(-51.29)	11	0.4	7.8
March	89.9	(-38.49)	9.8	(-0.45)	3.7	(+0.82)	4.4	11	7.0	7.2	25	117.2	(+70.09)	25	87.1	9.8
April	176.3	(+4.24)	13.0	(-0.41)	4.0	(-0.47)	5.2	12	9.4	9.0	16	65.0	(+11.05)	16	22.9	7.7
May	211.6	(+8.25)	16.6	(+0.07)	7.7	(+0.40)	8.2	5	12.7	11.3	11	48.9	(-4.38)	11	22.5	7.5
June	250.1	(+44.32)	23.3	(+3.78)	11.2	(+1.02)	11.8	0	15.7	13.9	7	16.0	(-38.86)	7	0.1	7.0
July	181.3	(-25.49)	20.9	(-1.10)	12.2	(-0.11)	11.8	0	16.7	15.5	21	97.8	(+42.31)	21	7.8	7.5
August	182.9	(-6.51)	21.2	(-0.45)	12.2	(-0.07)	12.7	0	17.2	16.1	16	50.5	(-21.49)	16	7.6	6.4
September	181.6	(+30.92)	22.5	(+3.98)	13.0	(+2.79)	14.0	0	17.0	16.4	11	60.3	(+2.53)	11	2.0	5.8
October	135.4	(+22.38)	16.5	(+2.17)	8.8	(+1.28)	10.6	4	14.4	15.0	19	100.9	(+19.53)	19	62.5	6.2
November	85.4	(+13.20)	10.3	(+0.19)	4.0	(-0.29)	5.8	12	10.0	11.8	21	75.6	(-5.56)	21	65.7	8.1
December	37.6	(-23.22)	9.4	(+2.04)	4.6	(+2.62)	5.6	10	7.8	9.2	26	101.3	(+25.70)	26	91.2	11.5
Year	1730.5	(+77.97)	15.1	(+1.04)	7.1	(+0.68)	8.0	84.0	11.6	11.6	206.0	818.6	(+55.09)	206.0	33.8	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 : 2023														
(Departure from 30-year means (1991 - 2020) in brackets)														
	Sunshine		Mean Temperatures				Ground frosts *	In ground under grass			Rain			Wind ***
	Hours	(hours)	Maximum °C	°C	Minimum °C	Dew Point °C		30 cm °C	100 cm °C	mm	Total (mm)	days **	#	km/hr
January	70.1	(+10.14)	8.3	(+0.91)	1.2	(-0.31)	1.9	5.3	8.3	46.5	(-10.94)	17	17	10.2
February	103.0	(+20.12)	10.4	(+2.41)	2.0	(+0.56)	3.2	5.6	7.0	6.3	(-40.05)	13	13	8.4
March	86.1	(-40.55)	10.4	(-0.27)	3.6	(+0.98)	4.3	7.0	7.5	140.1	(+98.43)	27	27	9.8
April	174.7	(+7.40)	13.7	(-0.13)	3.8	(-0.19)	5.0	9.8	9.1	53.4	(+3.16)	16	16	7.3
May	205.5	(+4.95)	17.2	(+0.24)	6.7	(-0.09)	8.2	13.6	11.3	52.6	(-1.21)	11	11	6.5
June	235.7	(+37.09)	25.2	(+5.20)	11.3	(+1.57)	12.6	18.7	14.9	43.7	(-8.19)	6	6	7.3
July	184.3	(-13.36)	21.4	(-1.03)	12.4	(+0.48)	11.8	17.8	15.8	108.7	(+57.89)	21	21	9.7
August	181.2	(-8.50)	21.9	(-0.24)	11.9	(-0.02)	12.8	18.0	16.5	43.7	(-18.56)	15	15	7.0
September	177.9	(+34.59)	22.8	(+3.83)	12.1	(+2.39)	14.3	17.4	16.8	72.8	(+16.00)	11	11	6.4
October	127.2	(+16.68)	17.0	(+2.32)	8.8	(+1.54)	11.0	14.1	15.5	117.2	(+43.18)	17	17	7.1
November	67.5	(-1.72)	10.8	(+0.44)	3.9	(-0.15)	5.8	9.2	12.5	61.0	(-5.70)	18	18	8.7
December	26.9	(-27.47)	9.7	(+2.02)	4.3	(+2.57)	5.6	7.3	9.8	105.8	(+46.64)	27	27	11.4
Year	1640.1	(+39.39)	15.7	(+1.27)	6.8	(+0.75)	8.0	12.0	12.1	851.9	(+180.65)	199.0	199.0	8.3
* 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														