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Yields of the Field Experiments

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Results of the
Classical and other
Long-term Experiments
2019

Weather Summaries

Rothamsted Research

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Weather Summaries

Rothamsted Research - Harpenden The weather: Monthly Summary: 2019 (Departure from the 30 year means (1981 - 2010) in brackets)

Sunshine		Mean Temperatures						Rain			Drainage	Wind	
		Maximum		Minimum		Dew Point	Ground	In ground under grass		Total	days**	20"	
Hours	(hrs)	°C	(°C)	°C	(°C)	°C	frosts*	30 cm	100 cm	Tipping bucket within turf wall			
January	83.6 (+21.53)	6.17 (-0.54)	0.65 (-0.55)	0.69	17	5.83	7.80	34.8	(-35.17)	10	10.7	8.3	
February	137.7 (+57.44)	10.89 (+3.97)	1.55 (+0.62)	3.74	21	5.40	6.56	43.2	(-6.94)	17	28.8	8.2	
March	148.0 (+33.11)	11.39 (+1.50)	4.33 (+1.67)	4.87	11	7.77	7.68	60.4	(+9.60)	19	27.0	11.3	
April	191.6 (+30.40)	13.93 (+1.30)	3.62 (-0.41)	4.96	16	9.29	8.76	13.2	(-41.86)	13	0.1	7.8	
May	206.4 (+11.81)	16.32 (+0.24)	6.35 (-0.52)	7.50	9	12.03	10.52	42.8	(-11.89)	15	5.0	6.3	
June	178.1 (-20.02)	19.29 (+0.16)	10.16 (+0.41)	11.00	3	14.59	12.61	70.8	(-17.54)	17	*****	7.0	
July	189.5 (-15.64)	23.13 (+1.36)	12.97 (+1.07)	12.84	0	17.23	14.94	45.0	(-4.87)	10	*****	7.6	
August	215.3 (+19.07)	23.16 (+1.59)	12.38 (+0.54)	13.09	0	17.20	15.84	45.2	(-18.53)	14	1.5	7.1	
September	173.4 (+30.02)	19.46 (+1.18)	10.31 (+0.39)	10.67	3	15.50	15.30	75.0	(+17.37)	14	26.0	7.4	
October	91.1 (-20.65)	13.84 (-0.21)	7.15 (+0.02)	8.83	7	12.93	13.71	109.6	(+27.92)	25	61.8	7.4	
November	56.9 (-13.85)	8.92 (-0.80)	3.35 (-0.45)	4.81	11	8.94	10.74	91.0	(+14.37)	24	61.9	7.1	
December	74.9 (+21.13)	8.77 (+1.88)	2.79 (+1.13)	4.24	14	6.88	8.55	111.6	(+42.08)	26	97.9	8.9	
Year	1746.6 (+154.35)	14.60 (+0.97)	6.30 (+0.33)	7.27	112	11.13	11.08	742.60	(+9.62)	204	320.8	7.86	

Year total doesn't include June and July

* 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 : 2019
 (Departure from 30-year means (1981 - 2010) in brackets)

	Sunshine		Mean Temperatures						Rain			Wind		
			Maximum		Minimum		Dew Point	Ground	In ground under grass			days **	***	
	Hours	(hrs)	°C	(°C)	°C	(°C)	°C	frosts *	30 cm	100 cm	Tipping bucket			
											mm	(mm)	mm	km/hr
January	75.8	(+15.75)	6.7	(-0.37)	0.5	(-0.77)	0.9	18	5.9	8.4	27.2	(-27.33)	12	7.9
February	140.9	(+65.97)	11.8	(+4.49)	1.4	(+0.54)	4.3	16	5.6	7.1	38.6	(-3.56)	15	8.4
March	144.9	(+31.40)	12.1	(+1.75)	4.2	(+1.56)	5.1	15	8.0	7.9	45.2	(-0.71)	17	11.2
April	193.4	(+42.49)	15.0	(+1.93)	1.8	(-1.96)	5.1	23	9.5	8.7	16.6	(-35.61)	12	5.9
May	215.0	(+27.81)	17.2	(+0.63)	5.5	(-1.07)	7.8	13	13.0	10.5	36.8	(-16.46)	14	6.2
June	180.4	(-7.56)	19.8	(+0.21)	10.1	(+0.71)	11.4	1	16.1	12.9	88.8	(+38.73)	17	7.5
July	205.5	(+8.43)	23.7	(+1.61)	12.2	(+0.59)	13.3	0	19.2	15.4	36.4	(-13.49)	13	6.2
August	224.6	(+35.74)	23.8	(+1.87)	12.4	(+0.84)	13.4	0	18.3	16.6	39.2	(-18.60)	13	8.5
September	182.6	(+45.55)	20.2	(+1.56)	9.4	(-0.25)	11.0	3	15.9	16.1	71.6	(+14.49)	15	7.9
October	79.2	(-32.54)	14.1	(-0.37)	6.5	(-0.42)	8.8	10	12.5	14.5	103.2	(+32.37)	20	7.2
November	53.6	(-12.66)	9.1	(-0.84)	3.0	(-0.78)	5.0	15	8.1	11.4	95.8	(+33.33)	25	5.8
December	70.7	(+25.07)	9.0	(+1.84)	2.7	(+1.23)	4.4	14	6.1	9.0	92.6	(+36.85)	26	8.9
Year	1766.52	(+245.46)	15.32	(+1.21)	5.86	(+0.03)	7.60	128	11.60	11.63	692.0	(+40.00)	199	7.72

* 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