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Numerical Results of the Field Experiments 1969

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69/E/1 - Meteorological Records - Rothamsted, Woburn & Saxmundham

Rothamsted Research

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METEOROLOGICAL RECORDS 1969 - ROTHAMSTED

(Departure from long-period means in brackets)

Month	Total sunshine: hours	Mean temperature: °F		Ground(2) frosts	Total rainfall: in. 1/1000 acre gauge	Rain(3) days	Drain-age through 20 in. soil: in.	Wind(4) m.p.h.
		Air(1)	Dev In ground point 1 ft. 4ft.					
Jan	27 (-25.2)	41.1 (+3.9)	38.6 40.7 44.1	13	2.88 (+0.38)	21	2.97	5.6
Feb	72 (+4.3)	32.4 (-5.8)	28.3 36.3 42.8	24	2.56 (+0.65)	15	1.91	6.9
Mar	66 (-50.5)	38.0 (-3.4)	34.1 38.7 41.1	19	1.88 (-0.01)	13	1.21	7.1
Apr	195 (+43.0)	45.3 (-0.6)	38.3 44.8 43.0	13	1.49 (-0.46)	15	0.16	7.1
May	137 (-57.9)	52.7 (+0.8)	47.9 52.7 47.4	0	3.18 (+1.04)	20	0.71	5.1
June	247 (+45.7)	55.8 (-1.5)	49.0 57.0 51.7	1	1.46 (-0.75)	12	0.15	4.9
July	214 (+22.7)	62.0 (+1.4)	56.2 62.2 55.6	0	2.03 (-0.53)	8	0.31	3.5
Aug	123 (-57.4)	61.2 (+1.1)	54.1 61.6 58.3	0	1.80 (-0.79)	15	0.27	3.9
Sept	96 (-48.5)	57.2 (+1.1)	51.8 58.2 57.3	3	0.41 (-2.01)	10	Trace	4.5
Oct	107 (+4.4)	54.9 (+5.7)	50.6 54.8 55.6	1	0.24 (-2.72)	10	Trace	4.1
Nov	66 (+5.7)	40.9 (-1.5)	37.3 46.1 52.1	16	3.52 (+0.74)	18	1.81	7.1
Dec	17 (-28.9)	36.7 (-1.9)	34.7 40.1 46.5	21	2.60 (-0.03)	20	2.42	6.2
Year	1367(-142.6)	48.2 (0.0)	43.4 49.4 49.6	111	24.05 (-4.49)	177	11.92	5.5

(1) Mean of maximum and minimum
 (2) Number of nights grass min. was below 32 °F
 (3) Number of days rainfall was 0.01 in. or more.
 (4) At 2 metres above ground level.

METEOROLOGICAL RECORDS 1969 - WOBURN

(Departure from long-period means in brackets)

Month	Total sunshine: hours	Air(1)	Mean temperature: °F		Ground(2) frosts	Total rainfall: in. 5 in. gauge	Rain(3) days	Wind m.p.h.
			Dev point	In ground 1 ft. 4 ft.				
Jan	40.6 (-11.7)	42.2 (+4.9)	38.7	40.2	11	2.98 (+0.89)	22	5.3
Feb	64.7 (-1.2)	32.9 (-5.2)	29.7	35.8	21	2.26 (+0.72)	15	4.9
Mar	64.5 (-55.1)	37.9 (-4.1)	33.8	38.0	16	2.19 (+0.56)	13	5.1
Apr	182.6 (+38.1)	45.8 (-0.9)	38.6	45.0	15	1.36 (-0.43)	14	5.8
May	141.8 (-42.7)	53.3 (+1.4)	46.6	53.5	0	2.95 (+0.79)	17	4.8
June	249.6 (+52.0)	55.8 (-2.0)	49.3	58.8	5	1.17 (-0.82)	10	3.9
July	216.0 (+36.3)	62.8 (+1.9)	56.2	63.7	0	1.59 (-0.66)	7	3.7
Aug	118.2 (-55.2)	61.7 (+1.3)	54.7	62.7	0	2.38 (-0.07)	14	3.6
Sept	104.5 (-30.5)	57.1 (+0.5)	52.4	59.2	2	0.48 (-1.63)	9	4.0
Oct	106.8 (+5.4)	55.2 (+5.3)	51.7	53.7	3	0.13 (-2.08)	4	4.1
Nov	71.7 (+13.4)	41.7 (-1.6)	37.3	46.0	16	2.58 (+0.11)	15	4.8
Dec	19.6 (-25.8)	37.3 (-1.7)	35.4	40.3	21	1.94 (-0.17)	18	4.9
Year	1380.6 (-77.0)	48.6 (-0.1)	43.7	49.7	110	22.01 (-2.79)	158	4.6

(1) Mean of maximum and minimum

(2) Number of nights grass min. was below 32 °F

(3) Number of days rainfall was 0.01 in. or more

(4) At 2 metres above ground level

METEOROLOGICAL RECORDS 1969 - SAXMUNDHAM

Month	Mean temperature: °F				Ground(2) frosts	Total rainfall:in. 5 in. gauge	Rain(3) days	Wind m.p.h.
	Air(1)	Dew point	In ground under bare soil 1 ft.					
Jan	41.4	34.5	40.6	9	1.95	15	7.01	
Feb	32.6	23.7	36.5	18	2.87	11	8.14	
Mar	37.4	29.6	38.6	12	2.18	11	7.44	
Apr	44.7	36.2	45.2	10	1.40	11	7.73	
May	52.6	46.1	53.0	2	3.61	18	6.16	
June	56.5	48.6	59.2	1	1.53	13(+)	5.34	
July	63.3	55.1	66.2	0	3.91	5(+)	3.91	
Aug	61.5	54.7	63.0	0	2.89	14	4.27	
Sept	57.7	51.4	60.0	0	0.06	3	4.95	
Oct	55.0	47.8	55.4	0	0.28	6	4.59	
Nov	42.5	35.2	44.8	11	3.91	14	7.90	
Dec	36.6	32.9	38.7	12(+)	2.99	13(+)	6.93	
Year	48.5	41.3	50.1	75(+)	27.58	134(+)	6.20	

(1) Mean of maximum and minimum

(2) Number of nights grass min. was below 32 °F (4) At 2 metres above ground level

(3) Number of days rainfall was 0.01 in. or more

+ These figures may be underestimates