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Numerical Results of the Field Experiments 1968

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The Rothamsted Experiment, the largest continuous field experiment in the world, is situated on the Rothamsted Estate, Rothamsted, Herts, UK. The Rothamsted Experiment is a unique resource for the study of soil fertility and the effects of fertilizers on crop production. The Rothamsted Experiment is a unique resource for the study of soil fertility and the effects of fertilizers on crop production. The Rothamsted Experiment is a unique resource for the study of soil fertility and the effects of fertilizers on crop production.

68/E/1 Meteorological Records 1968 - Rothamsted, Woburn, Saxmundham

Rothamsted Research

Rothamsted Research (1970) *68/E/1 Meteorological Records 1968 - Rothamsted, Woburn, Saxmundham* ; Numerical Results Of The Field Experiments 1968, pp 381 - 383 - DOI: <https://doi.org/10.23637/ERADOC-1-58>

METEOROLOGICAL RECORDS 1968 - 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)	Dew point 1 ft. 4ft.					
Jan	38 (-14.4)	37.9 (+0.7)	33.9	17	2.58 (+0.08)	20	2.61	6.4
Feb	43 (-24.5)	34.7 (-3.5)	31.5	24	0.96 (-0.96)	12	0.72	5.8
Mar	134 (+17.7)	43.3 (+1.9)	36.4	17	1.07 (-0.83)	14	Trace	8.5
Apr	170 (+18.0)	46.3 (+0.4)	39.3	15	2.57 (+0.62)	14	0.83	5.3
May	145 (-49.9)	49.2 (-2.7)	43.2	4	2.14 (0.00)	17	0.89	4.8
June	152 (-50.7)	58.3 (+1.0)	51.9	0	2.29 (+0.08)	17	0.55	4.9
July	136 (-56.0)	58.9 (-1.7)	52.3	0	3.36 (+0.81)	11	1.81	4.6
Aug	112 (-69.7)	59.3 (-0.8)	54.7	0	2.96 (+0.37)	18	1.19	6.0
Sept	107 (-38.3)	57.3 (+1.2)	53.3	0	5.46 (+3.07)	21	3.45	5.5
Oct	56 (-47.8)	54.1 (+5.0)	51.2	1	2.14 (-0.83)	13	1.10	4.5
Nov	29 (-32.1)	42.6 (+0.2)	40.4	6	1.92 (-0.87)	18	1.39	5.8
Dec	27 (-18.4)	35.7 (-2.9)	34.1	22	3.08 (+0.45)	14	2.84	5.0
Year	1149(-366.1)	48.1 (-0.1)	43.5	106	30.53 (+1.99)	189	17.38	5.6

68/E/1.1

(3) Number of days rainfall was 0.01 in. or more
 (4) At 2 metres above ground level.

(1) Mean of maximum and minimum
 (2) Number of nights grass min. was below 32 °F

METEOROLOGICAL RECORDS 1968 - 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(4) m.p.h.
			Dew point	In ground 1 ft. 4 ft.				
Jan	44.0 (-8.5)	38.5 (+1.2)	34.7	39.5	17	1.82 (-0.27)	17	6.6
Feb	38.5 (-28.1)	35.3 (-2.8)	31.3	38.0	25	0.85 (-0.71)	10	4.0
Mar	133.7 (+14.5)	43.9 (+2.0)	37.1	41.5	17	0.62 (-1.04)	15	7.8
Apr	158.4 (+14.3)	45.9 (-0.8)	39.6	46.5	16	1.99 (+0.21)	13	4.5
May	147.1 (-38.4)	49.4 (-2.5)	43.9	51.6	8	2.17 (+0.01)	17	3.9
June	172.9 (-25.3)	58.7 (+0.9)	52.3	59.6	1	3.05 (+1.09)	15	4.5
July	119.8 (-61.4)	58.6 (-2.3)	52.5	61.8	0	4.28 (+2.08)	13	3.4
Aug	109.5 (-65.6)	59.6 (-0.9)	54.8	60.7	0	2.96 (+0.53)	13	4.6
Sept	113.5 (-22.1)	57.3 (+0.7)	52.7	59.0	0	4.25 (+2.19)	19	5.4
Oct	66.7 (-35.6)	54.8 (+5.0)	51.1	55.5	0	1.60 (-0.63)	13	5.0
Nov	31.6 (-27.4)	43.3 (0.0)	40.0	47.7	7	2.08 (-0.40)	15	4.1
Dec	26.3 (-19.6)	36.1 (-3.0)	34.2	40.7	18	1.85 (-0.26)	12	3.6
Year	1162.0 (-303.2)	48.5 (-0.2)	43.7	50.2	109	27.52 (+2.80)	172	4.8

(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

68/E/1.2

METEOROLOGICAL RECORDS 1968 - SAXMUNDHAM

Month	Mean temperature: °F				Ground(2) frosts	Total rainfall:in. 5 in. gauge	Rain(3) days	Wind(4) m.p.h.
	Air(1)	Dew point	In ground on bare surface 1 ft.					
Jan	36.7	32.0	38.6		15	2.50	14	8.14
Feb	35.9	29.3	36.9		18	2.37	12	6.37
Mar	43.5	36.5	41.1		7	1.11	13	9.63
Apr	46.6	37.4	46.9		7	1.05	12	6.70
May	50.0	43.7	52.5		7	1.66	14	5.37
June	57.9	51.8	61.0		0	2.21	18	5.00
July	58.5	53.6	62.3		0	2.52	9+	4.45
Aug	60.3	53.6	61.3		0	2.87	18	5.70
Sept	57.8	51.8	58.7		0	5.44	16	6.23
Oct	54.7	50.0	54.5		0	1.99	12	5.82
Nov	44.0	39.2	46.4		7	1.60	23	6.37
Dec	36.3	30.2	40.6		16	1.76	13	6.17
Year	48.5	42.4	50.1		77	27.08	174+	6.33

(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

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