

Thank you for using eradoc, a platform to publish electronic copies of the Rothamsted Documents. Your requested document has been scanned from original documents. If you find this document is not readable, or you suspect there are some problems, please let us know and we will correct that.



ROTHAMSTED  
RESEARCH

## Numerical Results of the Field Experiments 1969

[Full Table of Content](#)



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

#### Rothamsted Research

Rothamsted Research (1970) *69/E/1 - Meteorological Records - Rothamsted, Woburn & Saxmundham* ; Numerical Results Of The Field Experiments 1969, pp 333 - 335 - DOI: <https://doi.org/10.23637/ERADOC-1-96>

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. 4 ft.					
Jan	27 (-25.2)	41.1 (+3.9)	38.6 40.7	13	2.88 (+0.38)	21	2.97	5.6
Feb	72 (+4.3)	32.4 (-5.8)	28.3 36.3	24	2.56 (+0.65)	15	1.91	6.9
Mar	66 (-50.5)	38.0 (-3.4)	34.1 41.1	19	1.88 (-0.01)	13	1.21	7.1
Apr	195 (+43.0)	45.3 (-0.6)	38.3 44.8	13	1.49 (-0.46)	15	0.16	7.1
May	137 (-57.9)	52.7 (+0.8)	47.9 52.7	0	3.18 (+1.04)	20	0.71	5.1
June	247 (+45.7)	55.8 (-1.5)	49.0 51.7	1	1.46 (-0.75)	12	0.15	4.9
July	214 (+22.7)	62.0 (+1.4)	56.2 62.2	0	2.03 (-0.53)	8	0.31	3.5
Aug	123 (-57.4)	61.2 (+1.1)	54.1 61.6	0	1.80 (-0.79)	15	0.27	3.9
Sept	96 (-48.5)	57.2 (+1.1)	51.8 58.3	3	0.41 (-2.01)	10	Trace	4.5
Oct	107 (+4.4)	54.9 (+5.7)	50.6 58.2	1	0.24 (-2.72)	10	Trace	4.1
Nov	66 (+5.7)	40.9 (-1.5)	37.3 46.1	16	3.52 (+0.74)	18	1.81	7.1
Dec	17 (-28.9)	36.7 (-1.9)	34.7 40.1	21	2.60 (-0.03)	20	2.42	6.2
Year	1367(-142.6)	48.2 (0.0)	43.4 49.4	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