

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

Yields of the Field Experiments 1973

[Full Table of Content](#)



73/E/1 - Meteorological Records, Rothamsted, Woburn & Saxmundham - Miscellaneous Data

Rothamsted Research

Rothamsted Research (1974) 73/E/1 - *Meteorological Records, Rothamsted, Woburn & Saxmundham - Miscellaneous Data* ; Yields Of The Field Experiments 1973, pp 403 - 405 - DOI:

<https://doi.org/10.23637/ERADOC-1-98>

73/E/1

METEOROLOGICAL RECORDS 1973 - ROTHAMSTED

(Departure from long-period means in brackets)

Month	Total sunshine: hours	Mean temperature: °C		In ground 30cm 100cm	Ground(2) frosts	Total rainfall: mm (1/1000 acre) gauge	Rain(3) days	DRAIN-AGE through 50.8 cm (20 in) soil: mm	Wind(4) miles per hour
		Air(1)	Dev point						
Jan	30.7 (-21.0)	3.7 (+0.8)	2.3	4.9	15	22 (-42)	17	15.0	4.6
Feb	73.4 (+5.6)	3.7 (+0.3)	1.5	4.6	21	24 (-25)	13	9.1	6.1
Mar	138.6 (+22.4)	5.7 (+0.5)	3.1	5.5	20	14 (-34)	8	3.0	4.5
Apr	141.1 (-10.2)	6.9 (-0.8)	2.6	7.2	17	62 (+13)	13	15.0	6.8
May	181.8 (-12.4)	11.5 (-0.4)	7.4	10.9	5	58 (+4)	15	16.5	5.8
June	257.6 (+56.0)	14.9 (+0.8)	9.7	14.8	1	96 (+29)	6	44.2	4.1
July	165.5 (-25.2)	15.5 (-0.4)	12.0	16.3	0	57 (-7)	11	17.0	3.5
Aug	197.6 (+18.8)	17.0 (+1.4)	13.0	16.4	0	43 (-22)	6	7.6	4.4
Sept	169.2 (+25.2)	14.7 (+1.3)	10.8	14.9	2	66 (+6)	13	26.4	4.9
Oct	107.8 (+4.5)	8.9 (-0.7)	6.8	11.2	12	33 (-41)	10	8.4	4.8
Nov	96.9 (+35.6)	5.3 (-0.5)	2.6	7.6	18	26 (-46)	13	3.8	5.7
Dec	57.2 (+12.5)	4.6 (+1.0)	2.7	5.0	17	49 (-17)	19	41.9	6.3
Year*	1617.4 (+111.8)	9.4 (+0.3)	6.2	9.9	128	540 (-192)	144	297.9	5.1

(1) Mean of maximum and minimum
 (2) Number of nights Gross min. was below 0.0°C
 (3) Number of days rainfall was 0.2 mm or more
 (4) At 2 metres above ground level

* Mean or total

73/E/1

METEOROLOGICAL RECORDS 1973 - WOIJURN

(Departure from long-period means in brackets)

Month	Total sunshine: hours	Mean temperature: °C		In ground 30cm 100cm	Ground frosts (2)	Total rainfall: mm (5 in) gauge	Rain (3) days	Wind (4) miles per hour
		Air (1)	Dew point					
Jan	39.5 (-11.6)	4.1 (+1.0)	2.6	4.9	13	20 (-35)	13	4.7
Feb	75.0 (+9.0)	3.8 (+0.5)	1.8	4.7	19	19 (-21)	11	6.0
Mar	129.2 (+11.6)	5.5 (+0.1)	3.0	5.6	25	11 (-31)	5	4.2
Apr	146.4 (+3.6)	6.9 (-1.2)	3.2	7.3	18	46 (+1)	13	5.3
May	177.7 (-6.4)	11.1 (0.0)	7.9	11.4	1	111 (+58)	14	5.3
June	250.0 (+53.0)	14.6 (+0.3)	10.3	15.9	2	71 (+22)	5	3.7
July	143.7 (-36.6)	15.5 (-0.5)	12.0	16.7	0	37 (-19)	9	3.3
Aug	178.6 (+8.0)	16.5 (+0.7)	13.3	17.1	0	32 (-29)	7	4.0
Sept	139.3 (+4.5)	14.5 (-0.9)	11.1	15.2	2	36 (-15)	10	4.3
Oct	95.8 (-6.7)	8.7 (-1.4)	6.9	10.7	13	30 (-24)	11	3.8
Nov	85.7 (+25.6)	5.4 (-0.9)	3.0	7.1	15	32 (-32)	6	5.6
Dec	53.1 (+8.8)	4.6 (+0.7)	2.9	4.5	17	32 (-20)	15	6.2
Year**	1514.0 (+62.8)	9.3 (0.0)	6.5	10.1	125	477 (-145)	119	4.7

(1) Mean of maximum and minimum
 (2) Number of nights grass min. was below 0.0°C
 (3) Number of days rainfall was 0.2 mm or more
 (4) At 2 metres above ground level

* Mean or total.

73/E/1

METEOROLOGICAL RECORDS 1973 - SAKMUNDHAM

Month	Mean temperature: °C			In ground under bare soil 30 cm	Ground(2) frosts	Total rainfall: mm (5 in) gauge	Rains(3) days	Wind(4) miles per hour
	Air(1)	Dew point						
Jan	4.4	2.8		4.6	15+	17	6	4.4
Feb	3.8	1.7		4.0	15	26	12	7.9
Mar	6.2	3.3		5.7	19	13	6	5.7
Apr	6.4	3.3		6.9	12	62	10	7.7
May	10.6	8.3		11.5	3	62	15	6.1
June	14.5	11.1		17.1	1	25	4	4.2
July	15.5	11.7		18.5	0	73	11	3.8
Aug	16.8	13.3		17.8	0	26	8+	4.3
Sept	14.5	11.7		15.7	0	86	11	5.2
Oct	9.3	6.8		10.5	8	39	8	4.8
Nov	5.0	3.3		6.0	13	28	5	7.4
Dec	4.4	3.9		4.4	11	35	9	7.5
Year*	9.3	6.8		10.2	91+	494	107+	5.7

(1) Mean of maximum and minimum (3) Number of days rainfall was 0.2 mm or more
 (2) Number of nights grass min. was below 0.0°C (4) At 2 metres above ground level.

* Mean or total

+ Based on available daily observations i.e. these figures minimal