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Yields of the Field Experiments 1973

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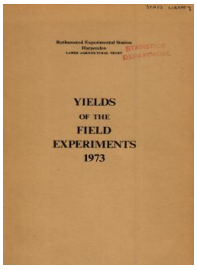

73/E/1 - Meteorological Records, Rothamsted, Woburn & Saxmundham - Miscellaneous Data

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**

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METEOROLOGICAL RECORDS 1973 - ROTHAMSTED

(Departure from long-period means in brackets)

Month	Total sunshine: hours	Mean temperature: °C Air(1)	Dew point	In ground 30cm	100cm	Ground(2) frosts	Total rainfall:mm 0.0004 ha (1/1000 acre) gauge	Rain(3) days	Drainage through 50.8 cm (20 in) soil:mm	Wind(4) miles per hour
Jan	30.7 (-21.0)	3.7 (+0.8)	2.3	4.9	6.6	15	22 (-42)	17	15.0	4.6
Feb	73.4 (+ 5.6)	3.7 (+0.3)	1.5	4.6	6.1	21	24 (-25)	13	9.1	6.1
Mar	138.6 (+22.4)	5.7 (+0.5)	3.1	5.5	5.9	20	14 (-34)	8	3.0	4.9
Apr	141.1 (-10.2)	6.9 (-0.8)	2.6	7.2	6.9	17	62 (+13)	13	15.0	6.8
May	181.8 (-12.4)	11.5 (-0.4)	7.4	10.9	8.9	5	58 (+ 4)	15	16.5	5.8
June	257.6 (+56.0)	14.9 (+0.8)	9.7	14.8	12.2	1	86 (+29)	6	44.2	4.1
July	165.5 (-25.2)	15.5 (-0.4)	12.0	16.3	14.3	0	57 (- 7)	11	17.0	3.5
Aug	197.6 (+18.8)	17.0 (+1.4)	13.0	16.4	14.9	0	43 (-22)	6	7.6	4.4
Sept	169.2 (+25.2)	14.7 (+1.3)	10.8	14.9	14.7	2	66 (+ 6)	13	26.4	4.9
Oct	107.8 (+ 4.5)	8.9 (-0.7)	6.8	11.2	12.7	12	33 (-41)	10	8.4	4.8
Nov	96.9 (+35.6)	5.3 (-0.5)	2.6	7.6	10.1	18	26 (-46)	13	3.8	5.7
Dec	57.2 (+12.5)	4.6 (+1.0)	2.7	5.0	7.3	17	49 (-17)	19	41.9	6.3
Year*	1617.4 (+111.8)	9.4 (+0.3)	6.2	9.9	10.1	128	540 (-182)	144	207.9	5.1

(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

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METEOROLOGICAL RECORDS 1973 - WODURN

(Departure from long-period means in brackets)

Month	Total sunshine: hours	Mean temperature: °C Air(1)	Dew point	In ground 30cm	In ground 100cm	Ground(2) frosts	Total rainfall: mm 12.7 cm (5 in) gauge	Rain(3) days	Wind(4) miles per hour
Jan	39.5 (-11.6)	4.1 (+1.0)	2.6	4.9	7.0	13	20 (-35)	13	4.7
Feb	75.0 (+ 9.0)	3.8 (+0.5)	1.8	4.7	6.5	19	19 (-21)	11	6.0
Mar	129.2 (+11.6)	5.5 (+0.1)	3.0	5.6	6.2	25	11 (-31)	5	4.2
Apr	146.4 (+ 3.6)	6.9 (-1.2)	3.2	7.3	7.0	18	46 (+ 1)	13	5.3
May	177.7 (- 6.4)	11.1 (0.0)	7.9	11.4	9.1	1	111 (+58)	14	5.3
June	250.0 (+53.0)	14.6 (+0.3)	10.3	15.9	12.5	2	71 (+22)	5	3.7
July	143.7 (-36.6)	15.5 (-0.5)	12.0	16.7	14.4	0	37 (-19)	9	3.3
Aug	178.6 (+ 8.0)	16.5 (+0.7)	13.3	17.1	15.1	0	32 (-29)	7	4.0
Sept	139.3 (+ 4.5)	14.5 (-0.9)	11.1	15.2	14.8	2	36 (-15)	10	4.3
Oct	95.8 (- 6.7)	8.7 (-1.4)	6.9	10.7	12.7	13	30 (-24)	11	3.8
Nov	85.7 (+25.6)	5.4 (-0.9)	3.0	7.1	10.1	15	32 (-32)	6	5.6
Dec	53.1 (+ 8.8)	4.6 (+0.7)	2.9	4.5	7.3	17	32 (-20)	15	6.2
Year*	1514.0 (+62.8)	9.3 (0.0)	6.5	10.1	10.2	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

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METEOROLOGICAL RECORDS 1973 - SAXMUNDHAM

Month	Mean temperature: °C Air(1)	Dew point	In ground under bare soil 30 cm	Ground(2) frosts	Total rainfall: mm 12.7 cm (5 in) gauge	Rain(3) days	Wind(4) miles per hour
Jan	4.4	2.8	4.8	9+	17	8	4.4
Feb	3.8	1.7	4.0	15	28	12	7.0
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	10.8	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
(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

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

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