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Yields of the Field Experiments 1973

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Rothamsted Research

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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	Dreïn-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

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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.

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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