Numerical Results of the Field Experiments 1970

70/R/E/1 Meteorological Records 1970 - Rothamsted, Woburn, Saxmundham

Rothamsted Research

METEOROLOGICAL RECORDS 1970 - ROTHAMSTED

(Departure from long-period means in brackets)

70/E/1

Month	Total sunshine: hours	Mean temperature: °F				Ground(2) frosts	Total rainfall:in. 1/1000 acre gauge	Rain(3) days	Drainage through 20 in. soil:in.	Wind(4) m.p.h.
		Air(1)	Dew point	In ground 1 ft.	In ground 4 ft.					
Jan	33 (−18.6)	37.7 (+0.5)	36.3	39.6	43.7	17	2.93 (+0.42)	23	2.48	5.1
Feb	106 (+38.4)	36.4 (−1.7)	31.7	38.2	42.6	19	2.72 (+0.80)	20	2.51	8.1
Mar	95 (−21.5)	36.5 (−4.8)	32.3	38.6	41.3	23	1.96 (+0.07)	21	1.34	7.0
Apr	105 (−48.3)	43.2 (−2.7)	37.8	43.6	42.7	17	3.01 (+1.06)	21	1.44	7.3
May	202 (+ 8.3)	55.1 (+3.2)	47.4	53.4	47.5	0	0.93 (−1.22)	10	0.06	5.6
June	262 (+59.4)	60.9 (+3.6)	52.3	59.8	52.6	0	0.92 (−1.29)	7	Trace	5.1
July	156 (−34.7)	59.0 (−1.6)	52.9	59.7	55.5	1	2.06 (−0.49)	18	Trace	5.0
Aug	171 (− 8.9)	60.4 (+0.3)	54.1	60.9	57.0	0	2.53 (−0.05)	10	0.84	3.9
Sept	149 (+ 5.1)	57.5 (+1.4)	52.2	58.1	56.7	0	2.05 (−0.35)	12	0.69	4.5
Oct	97 (− 5.8)	51.2 (+2.0)	46.5	52.9	55.0	10	0.93 (−2.01)	12	Trace	6.1
Nov	52 (− 8.7)	45.1 (+2.7)	41.3	47.7	51.6	8	6.33 (+3.54)	23	5.03	6.4
Dec	36 (− 9.3)	37.9 (−0.6)	36.2	42.7	48.1	22	2.03 (−0.60)	17	1.18	6.1
Year	1464 (−44.8)	48.4 (+0.2)	43.4	49.6	49.5	117	28.40 (−0.12)	194	15.57	5.9

(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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METEOROLOGICAL RECORDS 1970 - WOBURN

(Departure from long-period means in brackets)

Month	Total sunshine: hours	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 1 ft.	In ground 4 ft.				
Jan	32.3 (-19.7)	38.4 (+1.0)	36.5	39.6	44.5	17	2.20 (+0.09)	22	4.6
Feb	98.5 (+32.6)	36.8 (-1.1)	32.5	38.1	43.1	22	2.24 (+0.68)	20	6.8
Mar	101.8 (-16.4)	37.0 (-5.0)	33.7	38.6	41.8	23	1.76 (+0.11)	16	5.9
Apr	110.6 (-34.9)	44.1 (-2.5)	38.4	44.4	43.1	16	2.81 (+1.03)	22	6.3
May	203.2 (+19.7)	55.6 (+3.7)	47.4	54.6	47.8	1	0.26 (-1.92)	9	4.6
June	236.6 (+37.7)	60.9 (+3.1)	51.4	61.9	53.5	0	1.28 (-0.69)	8	4.5
July	160.5 (-20.1)	59.9 (-1.0)	52.1	60.6	56.3	0	1.66 (-0.58)	16	5.7
Aug	160.8 (-11.2)	60.3 (-0.2)	54.2	61.6	57.7	0	2.50 (+0.06)	11	3.8
Sept	159.4 (+25.1)	58.5 (+1.9)	52.3	58.5	57.4	0	1.54 (-0.53)	11	5.2
Oct	103.4 (+1.8)	51.5 (+1.5)	46.6	52.9	55.6	11	0.71 (-1.45)	8	6.4
Nov	60.7 (+2.0)	46.4 (+3.1)	41.2	47.7	52.1	10	5.14 (+2.67)	20	6.7
Dec	34.5 (-10.2)	38.6 (-0.4)	36.1	42.6	48.5	18	1.49 (-0.61)	12	4.9
Year	1462.3 (+6.3)	49.0 (+0.3)	43.5	50.1	50.1	118	23.59 (-1.14)	175	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

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METEOROLOGICAL RECORDS 1970 - SAXMUNDHAM

Mean temperature: F

Month	Air(1)	Dew point	In ground under bare soil 1 ft.	Ground(2) frosts	Total rainfall:in. 5 in. gauge	Rain(3) days	Wind(4) m.p.h.
Jan	38.8	33.6	39.6	7	2.85	16	6.9
Feb	38.1	29.6	37.0	9	2.17	22	8.3
Mar	38.0	30.2	38.8	15	2.02	17	7.6
Apr	42.9	35.5	43.3	14	2.11	24	7.4
May	53.4	43.3	55.0	1	0.71	6	6.1
June	59.1	50.6	63.6	0	0.33	4+	5.2
July	58.3	49.4	63.0	0	1.10	9+	5.7
Aug	60.6	50.8	64.1	0	0.82	7	5.0
Sept	58.4	46.7	59.5	0	2.44	7	5.3
Oct	51.7	41.7	52.8	3	0.97	8	6.2
Nov	45.6	37.6	46.5	*	5.93	17	7.8
Dec	39.1	32.0	42.3	2+	1.34+	8+	6.2
Year	48.7	50.1	50.5	51+	22.79	145+	6.5

(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
+ These figures may be underestimates
* Not recorded

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