

Wokingham Emmbrook (2) From September 2006
 51.42 N 0.85 W Height 45 M ASL
 NGR SU 79845 70133 (GPS)
 Met Office rainfall station 272853
 Col station 55029

Wokingham Emmbrook (1) From January 1976 to September 2006
 51.42 N 0.85 W Height 44 M ASL
 NGR SU 80034 69874 (GPS)
 Met Office rainfall station 272853
 Col station 55004

File avg9120.wk4

Updated and amended 22 Jan 2021

Climatological averages for the period 1991 to 2020

Month	Mean temperatures										Frost					Rain					Sunshine					Pressure						
	Air			Grass	30cm	1 m	hrs	Total	Dry	Rain	Wet				Mean	Daily	Days	ASL at	Days with													
	Max	Min	Mean	Min	30cm	1 m	hrs	Total	<0.2	=>0.2	=>1	=>5	=>10		mean	Nil	09GMAF	GF	SN	SL	TH	HA	IC	FG								
January	8.1	2.0	5.1	-1.1	5.7	7.7	88.2	65.9	14.5	16.5	11.7	5.1	1.6	66.6	2.15	10.1	1016.3	10.2	16.8	3.0	1.0	0.5	0.2	1.4	1.9							
February	8.8	1.9	5.4	-1.3	5.6	7.1	75.0	47.3	14.5	13.8	9.9	3.2	1.0	81.3	2.87	6.7	1016.7	9.6	16.7	3.8	1.5	0.2	0.1	1.6	1.4							
March	11.6	3.2	7.4	-0.2	7.3	7.7	37.1	41.4	18.4	12.6	8.6	3.0	0.7	121.4	3.92	4.7	1016.5	6.5	16.4	2.3	0.3	0.6	0.3	2.4	0.8							
April	14.8	4.7	9.7	1.0	10.2	9.5	13.0	48.0	17.5	12.5	8.7	3.3	1.1	165.5	5.52	2.6	1015.0	3.3	13.3	0.7	0.0	1.7	0.5	2.0	0.2							
May	18.1	7.7	12.9	4.5	13.8	12.1	1.1	44.6	19.1	11.9	8.5	2.9	1.1	196.7	6.34	2.2	1016.5	0.5	5.3	0.0	0.0	1.6	0.4	0.9	0.1							
June	21.0	10.7	15.8	7.8	17.0	14.9	0.0	50.9	19.0	11.0	7.9	3.1	1.5	193.4	6.45	1.2	1016.8	0.0	0.4	0.0	0.0	1.7	0.1	0.1	0.0							
July	23.2	12.8	17.9	9.9	18.9	16.9	0.0	47.1	19.0	12.0	8.1	3.0	1.1	199.9	6.45	1.0	1015.9	0.0	0.0	0.0	0.0	2.4	0.2	0.1	0.0							
August	22.8	12.6	17.7	9.6	18.9	17.8	0.0	54.0	18.3	12.7	8.6	3.6	1.4	187.9	6.06	1.3	1015.8	0.0	0.1	0.0	0.0	2.4	0.1	0.1	0.0							
September	19.7	10.0	14.9	6.7	16.6	16.8	0.0	53.6	18.3	11.7	8.4	3.3	1.4	148.3	4.95	1.7	1016.7	0.0	0.4	0.0	0.0	1.2	0.1	0.0	0.4							
October	15.5	7.5	11.5	4.3	13.4	14.7	8.1	73.2	16.1	14.9	10.8	4.9	2.0	114.4	3.69	4.5	1014.5	1.6	6.8	0.1	0.0	0.9	0.1	0.3	0.9							
November	11.1	4.4	7.8	1.4	9.7	11.9	36.5	74.4	13.6	16.4	12.1	5.3	2.2	74.5	2.48	7.2	1013.5	5.2	12.6	0.5	0.1	0.5	0.1	0.5	1.7							
December	8.5	2.3	5.4	-0.4	6.9	9.3	94.9	64.6	15.0	16.0	11.1	4.8	1.6	63.7	2.06	10.5	1015.6	10.3	16.4	2.2	1.2	0.2	0.0	0.6	2.0							
Annual	15.3	6.7	11.0	3.6	12.0	12.2	353.9	665.3	203.0	162.3	114.2	45.5	16.6	1614.2	4.42	53.5	1015.8	47.2	106.3	12.4	4.2	13.9	2.3	10.0	9.2							
Spring	14.8	5.2	10.0	1.8	10.4	9.7	51.2	134.1	54.9	37.1	25.9	9.2	2.8	483.5	5.26	9.5	1016.0	10.4	34.9	3.0	0.3	3.8	1.2	5.3	1.0							
Summer	22.3	12.0	17.2	9.1	18.2	16.5	0.0	152.1	56.4	35.6	24.9	9.7	4.0	581.3	6.32	3.5	1016.2	0.0	0.6	0.0	0.0	6.6	0.4	0.3	0.0							
Autumn	15.5	7.3	11.4	4.1	13.2	14.5	44.6	201.3	48.0	43.0	31.1	13.5	5.7	337.2	3.71	13.4	1014.9	6.8	20.8	0.6	0.1	2.6	0.3	0.9	2.9							
Winter	8.4	2.1	5.3	-0.8	6.0	8.1	258.2	177.5	44.0	46.3	32.5	13.4	4.1	210.9	2.34	27.3	1016.4	30.0	49.9	9.0	3.9	0.9	0.3	3.6	5.2							

AF = Air frost GF = Ground frost Note 1: Sunshine taken from area average Seasonal months are Spring: Mar, Apr, May
 SN = Snow falling SL = Snow lying of Campbell Stokes recorders prior to 1996, Summer : Jun, Jul, Aug. Autumn : Sep, Oct, Nov
 TH = Thunder HA = Hail =>5 mm and subsequently from an electronic detector Winter: Dec, Jan, Feb.
 IC = Hail <5mm FG = Fog at 09 GMT This will affect the averages

Extremes 1991 to 2020

Month	Monthly																
	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi	Lo	Hi
	Max	Max	Min	Min	Mean	Mean	Grass	30cm	30cm	1 m	1 m	Rain	Rain	Sun	Sun	Pres	Pres
Jan	10.4	4.4	4.9	-1.0	7.6	1.7	-3.7	7.6	2.8	9.4	5.6	153.9	13.4	3.41	0.66	31.2	2.1
Feb	11.8	5.1	4.3	-1.8	7.8	1.7	-5.8	7.4	3.3	8.3	5.7	119.8	4.4	5.16	1.57	31.7	98.3
Mar	14.6	7.0	5.8	0.1	9.8	3.6	-3.1	9.0	5.4	8.7	6.3	109.8	11.4	6.08	1.90	28.4	2.0
Apr	19.5	12.6	7.1	3.4	12.9	8.1	-1.0	11.9	8.2	10.7	7.5	140.4	1.4	8.85	3.29	23.5	2.2
May	20.8	14.5	9.1	4.9	14.4	9.7	1.7	14.7	11.7	13.3	10.7	93.4	3.4	11.07	4.34	25.3	11.7
Jun	23.5	17.2	12.4	9.3	17.6	13.2	5.8	18.7	14.5	16.1	13.2	124.2	0.6	9.16	3.49	22.0	9.6
Jul	28.0	20.6	14.4	11.0	21.0	16.1	8.0	21.4	17.6	18.9	15.9	119.1	9.8	9.75	4.80	20.3	11.8
Aug	26.5	20.8	15.0	10.5	20.0	15.8	6.7	20.5	17.4	19.2	16.9	118.9	2.7	9.23	3.53	20.7	10.9
Sep	22.6	17.1	13.4	7.8	18.0	12.7	3.9	17.9	15.2	17.6	16.1	144.2	6.6	6.67	2.89	23.0	9.1
Oct	17.9	12.3	10.6	4.3	14.1	8.3	1.1	14.8	11.6	15.5	13.9	171.2	17.2	5.51	2.64	24.5	6.9
Nov	13.5	8.5	8.0	1.8	10.6	5.1	-1.7	11.8	7.7	13.6	11.0	164.9	31.9	3.78	0.95	24.9	99.2
Dec	13.3	3.7	8.6	-2.5	10.9	0.6	-2.0	10.4	3.8	11.4	7.3	120.6	12.3	3.11	0.79	28.9	3.4
Ann	16.4	13.9	7.6	5.3	11.8	9.7	2.2	12.9	11.1	12.8	11.4	883.4	492.4	5.30	3.82	18.0	12.8

Extremes 1991 to 2020

Month	Daily								
	Hi	Lo	Hi	Lo	Lo	Hi	Hi	Hi	Lo
	max	max	min	min	grass	Rain	sun	pres	pres
Jan	15.0	-2.1	12.0	-8.8	-16.0	23.3	8.5	50.0	67.6
Feb	20.0	-3.9	12.1	-11.4	-17.1	26.6	10.3	44.1	73.2
Mar	21.3	-0.9	12.5	-6.7	-12.7	21.0	12.3	43.4	61.2
Apr	27.2	3.8	13.0	-4.4	-10.7	28.5	14.1	39.0	72.2
May	29.8	8.8	15.4	-2.0	-6.6	26.8	15.5	40.9	77.4
Jun	33.6	12.1	18.8	1.3	-4.0	57.1	16.0	38.2	87.1
Jul	36.9	14.7	19.0	4.1	0.0	39.2	15.7	34.2	91.4
Aug	36.9	14.7	19.7	4.1	-1.4	61.6	14.8	31.2	86.1
Sep	30.5	9.7	18.0	0.5	-4.1	66.8	13.1	40.1	81.9
Oct	28.0	7.1	16.4	-5.0	-9.2	52.3	11.1	38.6	65.2
Nov	18.5	0.7	14.5	-7.1	-11.5	32.4	9.1	42.1	64.9
Dec	15.9	-2.4	13.1	-11.5	-17.7	31.2	7.6	45.6	70.7
Ann	36.9	-3.9	19.7	-11.5	-17.7	66.8	16.0	50.0	61.2

Change from 1981 to 2010 to 1991 to 2020 averages No values for sunshine due to a change in instrumentation in 1999.

Month	Mean temperatures										Frost					Rain					Sunshine					Pressure						
	Air			Grass	30cm	Frost	Days	Rain	mm	Wet				Mean	Daily	Days	ASL at	Days with														
	Max	Min	Mean	Min	30cm	hrs	Total	Dry	<0.2	=>0.2	=>1	=>5	=>10		mean	Nil	09GMAF	GF	SN	SL	TH	HA	IC	FG								
January	+0.3	+0.2	+0.3	0.0	+0.3	-9.9	+3.9	+0.2	-0.2	+0.2	+0.4	+0.1	x	x	-0.5	-0.4	+0.1	-0.7	-0.5	-0.9	0.0	0.0	+0.1	-0.2								
February	+0.6	+0.4	+0.5	+0.5	+0.3	-20.4	+4.4	-0.7	+0.7	+0.6	+0.1	+0.2	x	x	x	-0.4	-0.7	-0.8	-0.2	-0.7	-0.8	-0.1	0.0	0.0	-0.2							
March	+0.4	0.0	+0.2	-0.1	+0.2	-1.2	-4.3	+1.5	-1.5	-1.1	-0.3	0.0	x	x	x	-0.3	+0.6	0.0	+0.6	-0.1	0.0	-0.1	-0.2	+0.1	0.0							
April	+0.8	+0.3	+0.5	+0.3	+0.3	-2.6	-0.5	+0.8	-0.8	-0.3	-0.2	+0.1	x	x	x	+0.1	0.0	-0.3	-0.3	-0.5	-0.1	-0.2	-0.2	+0.1	0.0							
May	+0.6	+0.2	+0.4	+0.2	+0.3	0.0	-5.8	+0.9	-0.9	-0.8	-0.2	-0.2	x	x	x	+0.3	+0.6	0.0	-0.1	0.0	0.0	-0.7	-0.3	+0.2	-0.1							
June	+0.5	+0.2	+0.3	+0.2	+0.2	0.0	+1.7	+0.1	-0.1	0.0	-0.1	+0.2	x	x	x	-0.1	-0.3	0.0	-0.2	0.0	0.0	-0.4	-0.1	0.0	0.0							
July	+0.3	+0.2	+0.2	+0.1	+0.2	0.0	+2.1	-0.3	+0.3	+0.1	+0.1	-0.1	x	x	x	0.0	-0.7	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0							
August	+0.2	+0.2	+0.2	+0.3	+0.2	0.0	+3.6	-1.3	+1.3	+0.6	+0.4	+0.1	x	x	x	+0.3	-0.5	0.0	+0.1	0.0	0.0	-0.1	0.0	0.0	-0.2							
September	+0.3	0.0	+0.2	0.0	+0.2	0.0	-0.1	-0.1	+0.1	+0.1	0.0	-0.2	x	x	x	-0.4	0.0	0.0	-1.2	0.0	0.0	-0.4	-0.1	0.0	-0.4							
October	+0.3	+0.3	+0.3	+0.2	+0.3	-1.5	+1.3	-0.5	+0.5	0.0	0.0	+0.1	x	x	x	-0.2	+0.2	-0.3	-0.1	0.0	0.0	+0.2	+0.1	0.0	-0.6							
November	+0.2	+0.3	+0.3	+0.3	+0.3	-7.3	+5.6	-1.0	+1.0	+1.0	+0.3	+0.2	x	x	x	-1.0	-0.9	-0.6	-0.5	0.0	0.0	-0.1	0.0	0.0	-0.2							
December	+0.5	+0.2	+0.4	+0.2	+0.3	-5.2	+2.0	-0.8	+0.8	+0.6	0.0	+0.1	x	x	x	-1.4	-0.1	-0.5	+0.1	-0.3												