

Blenheim - Total Monthly Sunshine Hours																																											
Data 1930-1985 from Blenheim weather station located in Parker Street.																																											
1986 onwards data from Marlborough Research Centre weather station on Grove Road																																											
																			Monthly	LTA																							
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	Mean	Mean	Highest	Lowest	Possible	% of																			
																								Possible																			
Jan	225.8	259.9	249.0	254.3	195.8	295.4	243.8	295.4	255.7	273.8	289.1	232.1	290.6	305	221.1	222.5	270.7	260.5	261.2	335.3	165.2	441	59																				
Feb	234.4	199.6	244.2	231.5	202.8	223.2	226.0	267.7	173	237.5	250.1	212.2	238.3	173.3	215.3	224.2		223.7	226.6	298	159.7	394	58																				
March	233.0	205.1	232.1	221.5	247.2	259.1	265.1	254	266.5	202.9	195.2	258.6	229.9	239.2	263.9	229		230.9	219.4	281	146.7	369	59																				
April	198.5	191.9	202.1	189.8	176.1	209.8	175.7	182.3	190.6	212.7	177.6	196.2	177.9	192.7	213.2	159.8		192.2	187.6	240	92.1	313	60																				
May	194.9	169.8	155.6	182.4	185.9	171.1	177.9	163.3	129.4	167.1	170.8	200.8	200.9	169	119.2	161.8		171.2	168.3	220.2	114.7	290	58																				
June	171.6	162.8	122.7	178.7	141.6	166.5	124.9	172.4	146.5	140.3	162.2	154.3	183.1	161.3	118.2	128.4		151.4	151.3	205.2	91.8	259	58																				
July	114.5	204.9	174.1	152.2	139.1	178.6	148.3	190.5	176.2	126.7	178.9	125	132.2	151.2	164.7	176.1		160.5	158.9	230.8	114.5	277	57																				
Aug	214.7	185.9	174.3	200.7	189.5	178.9	191.2	160.3	181.7	221.4	185.9	209.1	168.2	184.1	155.8	235		185.4	179.1	235	129.2	313	57																				
Sep	196.2	167.9	220.3	229.6	177.6	213.5	212.3	183.4	206.2	189.2	222	204.4	172	205.9	179	248.9		191.7	193.1	248.9	129.6	336	57																				
Oct	231.6	266.1	212.5	197.1	252.6	203.1	282.3	236.9	169.8	225.5	220.3	265	228.1	213.4	258.6	165.5		224.8	225.9	299.6	140.7	391	58																				
Nov	258.7	322.5	215.0	191.2	240.3	183.1	225.3	246.5	262.1	253.2	240.8	288.1	247.5	219.8	283.3	237.5		237.6	238.4	322.5	158.9	419	57																				
Dec	300.9	276.5	271.6	236.4	298.0	201.9	260.7	303.2	233.5	215.1	244.7	221.1	232.5	264.2	225	167.4		248.2	245.9	321.2	167.4	454	54																				
Total	2574.8	2612.9	2473.5	2465.4	2446.5	2484.2	2533.5	2655.9	2391.2	2465.4	2537.6	2566.9	2501.2	2479.1	2417.3	2356.1		2478.2	2455.726	2685	2218	4256	58																				
Blenheim - Average Daily Sunshine Hours																																											
																			Monthly																								
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	Mean																								
Jan	7.3	8.4	8.0	8.2	6.3	9.5	7.9	9.5	8.2	8.8	9.3	7.5	9.4	9.8	7.1	7.2	8.7	8.4																									
Feb	8.1	7.1	8.7	8.3	7.0	8.0	8.1	9.6	6.0	8.5	8.9	7.6	8.2	6.2	7.7	8.0		7.9																									
March	7.5	6.6	7.5	7.1	8.0	8.4	8.6	8.2	8.6	6.5	6.3	8.3	7.4	7.7	8.5	7.4		7.4																									
April	6.6	6.4	6.7	6.3	5.9	7.0	5.9	6.1	6.4	7.1	5.9	6.5	5.9	6.4	7.1	5.3		6.4																									
May	6.3	5.5	5.0	5.9	6.0	5.5	5.7	5.3	4.2	5.4	5.5	6.5	6.5	5.5	3.8	5.2		5.5																									
June	5.7	5.4	4.1	6.0	4.7	5.6	4.2	5.7	4.9	4.7	5.4	5.1	6.1	5.4	3.9	4.3		5.0																									
July	3.7	6.6	5.6	4.9	4.5	5.8	4.8	6.1	5.7	4.1	5.8	4.0	4.3	4.9	5.3	5.7		5.2																									
Aug	6.9	6.0	5.6	6.5	6.1	5.8	6.2	5.2	5.9	7.1	6.0	6.7	5.4	5.9	5.0	7.6		6.0																									
Sep	6.5	5.6	7.3	7.7	5.9	7.1	7.1	6.1	6.9	6.3	7.4	6.8	5.7	6.9	6.0	8.3		6.4																									
Oct	7.5	8.6	6.9	6.4	8.1	6.6	9.1	7.6	5.5	7.3	7.1	8.5	7.4	6.9	8.3	5.3		7.3																									
Nov	8.6	10.8	7.2	6.4	8.0	6.1	7.5	8.2	8.7	8.4	8.0	9.6	8.3	7.3	9.4	7.9		7.9																									
Dec	9.7	8.9	8.8	7.6	9.6	6.5	8.4	9.8	7.5	6.9	7.9	7.1	7.5	8.5	7.3	5.4		8.0																									

Blenheim - Average Daily Minimum Temperature (°C)																		Monthly	LTA
																		Mean	Mean
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	1932-2000
Jan	13.0	10.1	11.1	14.2	12.2	11.6	13.7	11.8	14.4	12.5	12.6	12.6	13.5	11.9	13.3	13.2	12.3	12.5	12
Feb	12.5	12	15.4	13.1	12.1	12.8	10.9	12.0	12.3	13.8	12.3	12.6	12.1	12.7	12.2	12.6		12.3	12.1
March	9.5	10.3	13.4	12.7	9.7	10.6	12.0	11.3	9.3	11	9.2	12	11.8	9.7	10.6	10.5		10.5	10.5
April	9.2	7	8.7	8.5	9.0	7.7	7.6	6.9	7.2	6.9	10.3	7.6	9	7.7	9.1	7.8		7.8	7.9
May	4.4	7.5	6.1	6.7	5.7	6.9	5.9	6.7	7	4.2	6	7.6	3	3.1	6.8	8.1		5.7	4.7
June	2.5	2.7	3.7	3.4	4.1	3.4	5.8	5.8	5.2	2.5	2	2.6	3.1	1.6	4.1	4.8		3.4	1.9
July	2.4	1.7	4.8	3.0	4.5	1.0	3.2	1.0	1.6	5.3	3.1	3.7	2.8	2.2	2.3	2.5		2.6	1.5
Aug	2.1	3.9	3.9	3.3	3.6	4.3	3.8	3.7	2.8	4.6	3.2	4.1	3.8	5.7	5.5	2.2		3.7	3
Sep	6.7	5	6.3	6.5	6.0	6.2	6.7	6.3	5.2	6.5	7	5.9	6.7	4.9	7.6	4.4		5.9	5.1
Oct	8.8	8.1	10.1	9.4	7.9	9.5	6.1	6.8	8.1	7.4	8	7.7	7.5	5.8	7.2	8.2		7.8	7.2
Nov	8.4	9.7	9.2	11.1	7.7	10.7	8.7	8.7	10.3	9.2	10.6	8.7	10	9.4	9.7	9.7		9.4	8.9
Dec	10.7	11.8	12.1	9.8	13.3	13.5	11.9	12.0	9.3	13.5	9.4	12.5	11.5	11.8	13.3	12.1		11.6	11
Year Mean	7.5	7.5	8.7	8.5	8.0	8.2	8.0	7.8	7.7	8.1	7.8	8.1	7.9	7.2	8.5	8.0		7.8	7.2
Blenheim - Average Daily Range (°C)																		Monthly	LTA
																		Mean	Mean
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	1932-2000
Jan	9.3	10.5	13.8	9.1	8.5	11.7	9.1	11.5	10.1	9.5	11.1	10.3	11.5	12.5	10.3	9.8	10.4	10.8	11.6
Feb	10.1	11.0	10.6	10.0	10.5	11.7	10.3	11.2	9.6	11.0	10.8	10.0	11.4	9.6	11.5	11.9		10.9	11.4
March	10.7	9.7	9.6	10.4	11.4	11.0	10.6	10.8	11.4	10.4	11.5	11.6	10.6	11.9	12.5	11.4		11.1	11.3
April	10.1	11.2	10.7	10.4	10.2	12.1	11.4	10.9	10.4	11.6	9.6	10.6	9.7	11.2	11.5	9.7		11.0	11
May	11.7	9.1	10.5	11.4	11.3	10.4	11.2	10.0	9.3	12.3	10.3	11.0	12.5	11.2	9.0	9.5		10.8	10.8
June	10.6	10.8	10.0	11.1	9.9	11.7	9.5	10.1	9.8	10.7	10.8	10.4	11.9	10.7	9.4	9.5		10.4	11.1
July	9.2	11.3	9.5	10.6	9.8	11.3	10.2	12.0	11.1	8.8	10.8	8.9	10.4	10.2	10.7	10.6		10.4	10.9
Aug	11.2	10.1	9.4	10.9	10.4	10.9	11.3	10.3	10.2	11.2	11.0	10.8	9.7	10.3	9.1	12.4		10.4	10.5
Sep	10.5	8.7	11.1	10.6	9.8	11.3	10.9	9.8	10.4	10.8	11.1	10.9	9.9	11.7	9.1	11.7		10.3	10.7
Oct	10.0	11.0	8.0	9.7	10.9	9.5	12.3	10.4	9.1	10.5	10.1	10.5	11.0	11.1	10.4	9.4		10.3	10.8
Nov	10.2	11.8	9.3	8.2	9.8	8.5	11.6	10.6	10.4	11.8	10.1	12.0	9.8	10.9	11.6	10.2		10.4	11.3
Dec	10.6	10.8	9.5	10.0	10.5	8.8	9.4	11.5	10.8	10.1	10.4	9.2	10.4	10.7	9.7	7.8		10.2	11.3
Year Mean	10.4	10.5	10.2	10.2	10.3	10.7	10.7	10.8	10.2	10.7	10.6	10.5	10.7	11.0	10.4	10.3		10.6	11

Blenheim - Total Monthly Rainfall (mm)																			
Data 1930-1985 from Blenheim weather station located in Parker Street.																			
1986 onwards data from Marlborough Research Centre weather station on Grove Road																			
																		Monthly Mean	LTA Mean
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	1930-2000
Jan	17.3	74.1	19.3	46.6	79.2	2.2	70.8	25.2	25	65.2	52.2	58	19.4	10	40.6	40.2	25.6	44.7	50
Feb	56.4	40.0	46.5	13.3	24	5.6	43.6	21.8	123.8	27.6	34	9.8	26	98.2	6.4	11.8		48.6	45
March	72.5	47.1	46	44.2	26	11.8	30.8	22.2	12.6	76.8	39.4	11.8	51.2	10	32.8	30.6		39.4	46
April	47.8	43.4	22	24.6	94.2	20.8	17.4	10.4	55.2	5.4	72.4	48.8	113	56.2	7.2	67.6		43.4	53
May	40.1	27.8	49.6	18.7	57.2	26.8	30.8	37.2	51.8	97	42.6	71	4	32.8	167.2	120		58.6	65
June	34.0	62.9	75.9	81.8	58.4	74.6	116	75.2	59.6	14.6	52.2	45.4	25.2	52.2	154.8	61.6		64.5	57
July	116.2	30.4	174.1	105	42.4	23.4	18.4	13.8	92.2	87.8	40.8	53.6	152.6	50.8	57.6	40.6		66.2	66
Aug	63.4	35.6	49.1	40	72.2	52	24.8	26.2	44.4	14.8	62.4	42.6	131.4	82.2	83.2	52.6		62.9	64
Sep	53.6	50.1	48.1	25.9	41.4	12.6	53	95.4	83.4	19.2	7	35.4	75.8	50.2	93	33.8		54.4	51
Oct	55.0	26.5	144.5	42.4	57.8	161	15.2	57.4	83	53.6	83.4	90.8	73.4	115.4	24	85.4		64.4	55
Nov	63.3	9.8	36.2	154.6	17.6	123.4	37.4	39.2	56.6	13.4	76	8.8	54.4	32.2	27	50.4		54.0	48
Dec	46.7	22.3	47.5	40.2	19.4	71.6	75.8	22.4	68.8	34.6	28	63	76	19.8	131.6	103.8		52.2	47
Total	666.3	470.0	758.8	637.3	589.8	585.8	534.0	446.4	756.4	510.0	590.4	539.0	802.4	610.0	825.4	698.4		653.4	647.0
10 year moving average	687.7	668.1	693.4	692.8	693.0	693.2	677.3	646.1	644.8	595.5	587.9	594.8	599.2	596.4	620.0	631.2			
May-Aug	253.7	156.7	348.7	245.5	230.2	176.8	190.0	152.4	248.0	214.2	198.0	212.6	313.2	218.0	462.8	274.8		252.3	252.0
Jun-Jul	150.2	93.3	250.0	186.8	100.8	98.0	134.4	89.0	151.8	102.4	93.0	99.0	177.8	103.0	212.4	102.2		130.7	123.0
Jun-Aug	213.6	128.9	299.1	226.8	173	150	159.2	115.2	196.2	117.2	155.4	141.6	309.2	185.2	295.6	154.8		193.6	187
Jun-Sep	267.2	179.0	347.2	252.7	214.4	162.6	212.2	210.6	279.6	136.4	162.4	177.0	385.0	235.4	388.6	188.6		248.0	238.0
Jun-Oct	322.2	205.5	491.7	295.1	272.2	323.6	227.4	268.0	362.6	190.0	245.8	267.8	458.4	350.8	412.6	274.0		312.5	293.0
Jul-Aug	179.6	66.0	223.2	145.0	114.6	75.4	43.2	40.0	136.6	102.6	103.2	96.2	284.0	133.0	140.8	93.2		129.1	115
Jul-Sep	233.2	116.1	271.3	170.9	156.0	88.0	96.2	135.4	220.0	121.8	110.2	131.6	359.8	183.2	233.8	127.0		183.5	181.0
Jul-Oct	288.2	142.6	415.8	213.3	213.8	249.0	111.4	192.8	303.0	175.4	193.6	222.4	433.2	298.6	257.8	212.4		248.0	236.0
Jan-Sep	501.3	411.4	530.6	400.1	495.0	229.8	405.6	327.4	548.0	408.4	403.0	376.4	598.6	442.6	642.8	458.8		482.8	497.0
Jan-Oct	556.3	437.9	675.1	442.5	552.8	390.8	420.8	384.8	631.0	462.0	486.4	467.2	672.0	558.0	666.8	544.2		547.2	552.0
Jan-Nov	619.6	447.7	711.3	597.1	570.4	514.2	458.2	424.0	687.6	475.4	562.4	476.0	726.4	590.2	693.8	594.6		601.3	600.0
Jan-Mar	146.2	161.2	111.8	104.1	129.2	19.6	145.2	69.2	161.4	169.6	125.6	79.6	96.6	118.2	79.8	82.6		132.7	141.0
Jan-Apr	194.0	204.6	133.8	128.7	223.4	40.4	162.6	79.6	216.6	175.0	198.0	128.4	209.6	174.4	87.0	150.2		176.1	194.0
Jan-May	234.1	232.4	183.4	147.4	280.6	67.2	193.4	116.8	268.4	272.0	240.6	199.4	213.6	207.2	254.2	270.2		234.8	259.0

Total Monthly Radiation mj/m2																	Monthly	
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011
Jan	676.4	686.8	745	736.8	645.4	785.2	705.4	788.3	740.4	745.7	772.1	698.2	785.1	796.2	737.7	718.2	799	726.2
Feb	577.5	561.9	606.9	603.8	573.1	582.6	567.4	613.6	521.1	598.9	624.7	580	617.8	511.7	604.4	625.1		576.7
March	491	476.3	518.5	500.1	557.2	546.3	539.4	523.3	554	483.7	493.8	541.9	504.4	540.2	574.9	561		516.8
April	324	343.1	351	323.5	314.9	343.3	321.4	333.4	338.9	366	330.6	353.5	327.6	368.3	375.3	325.4		339.0
May	249.5	232.9	216	225	228.8	234.6	224.7	233.5	206.3	228.6	244.2	259.2	258	256	210	244.5		233.3
June	193.4	189.7	155.4	176.6	163.8	181.4	149	186.2	175	176.5	186.7	184.2	197.9	168	160.8	178.9		176.1
July	175.1	223.5	181.7	180.2	188.1	215.3	194.2	226.2	216.1	186.3	211.1	183.4	179.1	203	224	225.9		200.6
Aug	310.7	299.1	275.9	278.9	281.7	281.6	291.7	276.6	305.1	325.7	303.5	332	286.6	288.4	293.5	355		290.3
Sep	407.3	400.5	425.8	441.9	395.7	436.8	420.5	399.7	414.7	408.5	441.9	416	391.6	410.4	412.3	498.4		404.7
Oct	567.4	598.9	500.6	540.2	573.4	509.1	630.4	572.3	493.7	607	559.3	617.4	561.3	584.2	679	514.5		553.7
Nov	690.7	793.2	652.6	575.2	655.4	563.7	655.8	682.6	712.6	721.3	677.6	754.8	681.6	649.3	775.1	709.6		657.6
Dec	844.3	764.8	753.4	746.4	808.5	684.7	765.5	828.1	705.7	698.3	741.7	705	720.1	803.7	755.1	628.4		729.9
Total	5507.3	5570.7	5382.8	5328.6	5386	5364.6	5465.4	5663.8	5383.6	5546.5	5587.2	5625.6	5511.1	5579.4	5802.1	5584.9		5334.9
Average Daily Radiation (mj/m2)																	Monthly	
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011
Jan	21.8	22.2	24.0	23.8	20.8	25.3	22.8	25.4	23.9	24.1	24.9	22.5	25.3	25.3	23.8	23.2	25.8	23.4
Feb	19.9	20.1	21.7	21.6	19.8	20.8	20.3	21.9	18.0	21.4	22.3	20.7	21.3	18.3	21.6	22.3		20.4
March	15.8	15.4	16.7	16.1	18.0	17.6	17.4	16.9	17.9	15.6	15.9	17.5	16.3	17.4	18.5	18.1		16.7
April	10.8	11.4	11.7	10.8	10.5	11.4	10.7	11.1	11.3	12.2	11.0	11.8	10.9	12.3	12.5	10.8		11.3
May	8.0	7.5	7.0	7.3	7.4	7.6	7.2	7.5	6.7	7.4	7.9	8.4	8.3	8.3	6.8	7.9		7.5
June	6.4	6.3	5.2	5.9	5.5	6.0	5.0	6.2	5.8	5.9	6.2	6.1	6.6	5.6	5.4	5.9		5.9
July	5.6	7.2	5.9	5.8	6.1	6.9	6.3	7.3	7.0	6.0	6.8	5.9	5.8	6.5	7.2	7.3		6.5
Aug	10.0	9.6	8.9	9.0	9.1	9.1	9.4	8.9	9.8	10.5	9.8	10.7	9.2	9.3	9.5	11.5		9.4
Sep	13.6	13.4	14.2	14.7	13.2	14.6	14.0	13.3	13.8	13.6	14.7	13.9	13.1	13.7	13.7	16.6		13.5
Oct	18.3	19.3	16.1	17.4	18.5	16.4	20.3	18.5	15.9	19.6	18.0	19.9	18.1	18.8	21.9	16.6		17.9
Nov	23.0	26.4	21.8	19.2	21.8	18.8	21.9	22.8	23.8	24.0	24.0	25.2	22.7	21.6	25.8	23.7		22.0
Dec	27.2	24.7	24.3	24.1	26.1	22.1	24.7	26.7	22.8	22.5	23.9	22.7	23.2	25.9	24.4	20.3		23.5

Average Daily Windrun (km)																		Monthly	Monthly
Height of anemometer 10 metres from 1996 onwards; prior to 1996 at about 5 metres and manually read																		Mean	Mean
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	86-95	1996-2011
Jan	229.5	272.9	351	292.3	270.7	328.3	254.7	311.2	277.5	280.8	308.4	262.8	270.8	250.2	256.1	262.7	272.8	267.0	280.0
Feb	237.8	286.5	330	284.6	258.7	271.4	280.2	298.2	312.9	260.5	240.4	221.5	241.3	226.7	220	224.5		232.2	262.2
March	195.3	259.1	341.3	265.4	267.1	302.5	301.9	226.2	278.9	243.8	249.8	296.2	226.8	227.5	277.4	221.2		216.8	261.3
April	195.1	267.1	263.9	245.6	237.6	263.9	193.1	213	225.6	218.3	241.9	195.3	193.8	236.4	274.8	191		207.7	228.5
May	183.9	223.7	224.7	264.5	229.7	244.3	252.3	255.4	240.7	218.1	162.6	258	179.8	218.6	173.2	201.3		212.7	220.7
June	241.1	220.2	246.4	224.5	236.5	231.4	257.2	293.9	276.7	205.7	219.6	245.4	245.2	186.2	202	165.5		208.0	231.1
July	209.3	252.3	246.2	234.1	248.9	221.3	237	243.6	206.2	231.2	248.7	238.5	217.8	235.6	196.9	249.6		227.4	232.3
Aug	238.8	291.6	256.6	242.4	240.8	244.9	242.8	254.4	270.1	231.7	221.5	244.7	228.7	269.7	207.1	218.1		225.6	244.0
Sep	277.4	239.2	304.7	279.2	297.1	258.1	341.8	327.4	303.8	266.9	305.8	279.9	240	267.9	351.7	230.6		250.9	285.7
Oct	337.1	320.5	378.7	305	342.2	266.5	329.2	270.7	296.5	252.9	331.7	385.7	282.6	238.4	280.9	201.6		282.3	301.3
Nov	354.4	444.1	291.2	301.0	324.5	278.5	314.5	321.1	333.9	303.8	340.5	260.7	303.1	291.1	240.4	288.9		273.7	312.0
Dec	343.1	396.6	349.4	279.7	357	268.9	331.2	340.8	293.9	266.9	262.8	295.7	236.7	305.3	271.7	203.9		274.5	300.2
Mean	253.6	289.5	298.7	268.2	275.9	265.0	278.0	279.7	276.4	248.4	261.1	265.4	238.9	246.1	246.0	221.6		239.9	263.3
Total Monthly Wind Run (km)																		Monthly	Monthly
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	86-95	1996-2011
Jan	7115	8460	10881	9061	8392	10176	7896	9646	8604	8705	9560	8148	8393	7757	7939	8144	8458	8278	8679.7
Feb	6896	8022	9240	7969	7502	7599	7846	8350	9074	7294	6731	6201	6998	6348	6160	6285		6552	7407.3
March	6054	8032	10580	8227	8280	9378	9359	7012	8645	7558	7745	9184	7031	7054	8600	6857		6721	8099.7
April	5853	8013	7917	7368	7128	7917	5793	6390	6768	6549	7256	5860	5813	7092	8245	5730		6230	6855.7
May	5701	6935	6966	8200	7121	7573	7821	7917	7461	7461	5042	7997	5574	6777	5369	6241		6592	6884.8
June	7233	6606	7392	6735	7095	6942	7716	8817	8300	6172	6587	7363	7356	5587	6060	4964		6241	6932.8
July	6488	7821	7632	7257	7716	6860	7347	7553	6392	7166	7708	7394	6751	7305	6105	7736		7048	7202.0
Aug	7403	9040	7955	7514	7465	7592	7527	7886	8372	7184	6868	7587	7090	8362	6419	6762		6995	7564.1
Sep	8322	7176	9446	8376	8913	7743	10254	9822	9114	7841	9173	8397	7200	8036	10550	6918		7527	8580.1
Oct	10450	9936	11740	9455	10608	8262	10205	8392	9192	7840	10282	11958	8760	7390	8709	6248		8750	9339.1
Nov	10632	13323	8736	9030	9735	8355	9435	9633	10017	9114	10215	7821	9093	8733	7213	8668		8212	9359.6
Dec	10636	12295	10831	8671	11067	8336	10267	10565	9112	8275	8147	9167	7338	9463	8423	6320		8508	9307.0
Total	92783	105658	109316	97863	101022	96733	101466	101982	101051	91159	95314	97076	87398	89904	89793	80873		87653	96211.9
Average Daily Wind Speed (km/hr)																		Monthly	Monthly
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	86-95	1996-2011
Jan	9.6	11.4	14.6	12.2	11.3	13.7	10.6	13.0	11.6	11.7	12.9	11.0	11.3	10.4	10.7	10.9	11.4	11.1	11.7
Feb	9.9	11.9	13.8	11.9	10.8	11.3	11.7	12.4	13.0	10.9	10.0	9.2	10.1	9.4	9.2	9.4		9.7	10.9
March	8.1	10.8	14.2	11.1	11.1	12.6	12.6	9.4	11.6	10.2	10.4	12.3	9.5	9.5	11.6	9.2		9.0	10.9
April	8.1	11.1	11.0	10.2	9.9	11.0	8.0	8.9	9.4	9.1	10.1	8.1	8.1	9.9	11.5	8.0		8.7	9.5
May	7.7	9.3	9.4	11.0	9.6	10.2	10.5	10.6	10.0	9.1	6.8	10.8	7.5	9.1	7.2	8.4		8.9	9.2
June	10.0	9.2	10.3	9.4	9.9	9.6	10.7	12.2	11.5	8.6	9.2	10.2	10.2	7.8	8.4	6.9		8.7	9.6
July	8.7	10.5	10.3	9.8	10.4	9.2	9.9	10.2	8.6	9.6	10.4	9.9	9.1	9.8	8.2	10.4		9.5	9.7
Aug	10.0	12.2	10.7	10.1	10.0	10.2	10.1	10.6	11.3	9.7	9.2	10.2	9.5	11.2	8.6	9.1		9.4	10.2
Sep	11.6	10.0	12.7	11.6	12.4	10.8	14.2	13.6	12.7	11.1	12.7	11.7	10.0	11.2	14.7	9.6		10.5	11.9
Oct	14.0	13.4	15.8	12.7	14.3	11.1	13.7	11.3	12.4	10.5	13.8	16.1	11.8	9.9	11.7	8.4		11.8	12.6
Nov	14.8	18.5	12.1	12.5	13.5	11.6	13.1	13.4	13.9	12.7	14.2	10.9	12.6	12.1	10.0	12.0		11.4	13.0
Dec	14.3	16.5	14.6	11.7	14.9	11.2	13.8	14.2	12.2	11.1	11.0	12.3	9.9	12.7	11.3	8.5		11.4	12.5

Absolute Maximum Wind Speed (km/hr)																		Monthly
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Mean
																		1996-2011
Jan						76.3	59.8	108.9	67.7	73.2	87.6	60.5	61.5	62.5	81.7	65.6	69.6	72.9
Feb						63.4	56.7	92.9	82.9	59.3	64.8	51.9	58.6	65.9	55.2	56.2		64.3
March						65.3	62.6	85.3	64.5	62.3	71.5	71.9	49.9	58.7	64.4	52.7		64.5
April						65.9	55.8	54.7	69.6	54.5	54.4	55.0	63.8	66.1	53.4	60.8		59.5
May						70.9	67.1	66.1	71.0	55.3	37.5	57.9	35.4	86.4	58.3	58.2		60.4
June						58.9	67.9	77.9	65.5	73.5	73.0	65.4	52.7	55.7	49	64.9		64.0
July					81.2	53.6	56.9	67.6	62.2	76.2	58.2	55.2	72.8	59.4	58.6	75.7		64.8
Aug					78.3	58.0	68.8	63.8	71.4	56.8	54.4	80.2	55.2	68.7	62.6	58.4		64.7
Sep					71.1	70.6	84.8	85.3	66.7	62.2	71.4	58.6	67.6	62.3	84.3	71.5		71.4
Oct					75.3	59.0	74.5	58.1	92.8	64.9	82.2	94.2	70.3	62	59.7	56.2		70.8
Nov					78.1	63.7	83.5	72.8	77.5	65.4	75.2	62.4	68.9	84.6	65.3	70.6		72.3
Dec					76.7	60.1	99.5	64.0	81.6	51.5	57.6	55.7	59.5	77.9	70.5	46.1		66.7
Average Daily Maximum Wind Speed (km/hr)																		Monthly
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Mean
																		1996-2011
Jan						46.8	38.7	54.8	40.9	38.8	43.6	38.9	39.7	39.3	41.4	42.6	41.4	42.2
Feb						40.0	40.8	58.2	44.9	39.8	38.0	33.3	35.2	36.4	34.5	36.5		39.8
March						42.5	43.6	48.2	40.0	37.1	39.8	41.4	34.1	35.1	42.9	34.8		40.0
April						39.1	31.6	31.5	33.4	33.0	35.5	29.7	32.1	35.1	37.6	31.8		33.7
May						37.0	37.2	34.3	35.2	32.1	24.4	37.5	24.7	34.1	27.2	32.0		32.3
June						33.1	39.9	39.7	37.1	29.9	31.1	34.8	34.5	26.2	32.0	25.5		33.1
July					33.8	27.0	32.9	31.4	29.2	34.3	37.5	30.8	32.5	33.0	28.7	36.8		32.3
Aug					33.9	35.3	38.4	33.8	36.6	32.8	31.3	34.1	32.0	36.9	31.0	33.6		34.1
Sep					43.7	37.0	52.8	46.9	43.0	36.7	42.9	38.1	34.7	38.0	49.3	37.3		41.7
Oct					50.0	39.7	50.1	39.4	42.0	38.9	47.5	53.3	41.4	38.8	41.6	33.4		43.0
Nov					47.0	39.6	54.6	45.4	44.0	43.3	47.1	40.7	44.7	44.7	36.7	44.2		44.3
Dec					49.1	40.1	54.6	45.4	43.4	40.0	39.0	40.3	36.2	43.4	40.7	31.5		42.0

Total Monthly Penman Evapotranspiration (mm)																		Monthly
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1996-2011
Jan		117.3	151.7	135.8	112.1	142.5	123.5	148.3	142.1	135.6	153.1	126.3	145	139.6	131.9	154.5	161.9	137.3
Feb		97.3	127	111.8	105.4	112.4	103.2	114	105.5	114.9	113.2	101.2	111.3	90.3	96.7	135		109.3
March		86.4	114	92.8	94.9	105.5	112.1	90.3	103.6	89.6	90.5	109	90.4	92.9	120.5	110.6		100.2
April		65.4	65.5	56.3	53.8	66.1	53.9	56.1	55.2	62.3	61	54.8	52.5	62.6	85.8	59.8		60.7
May		43.1	37.9	43.6	38.3	45.1	45.7	47	40.2	41.4	36.7	48.1	35.2	40.1	40.5	53.6		42.4
June	31	30.6	26.6	27.6	27.7	34.1	33.1	39.5	36.6	30.8	31.9	32.1	33.2	23.4	31.9	34.7		31.6
July	26.2	37.8	29	27.4	30.6	32.5	33.7	38	31.5	33.7	40	32.4	25.8	32.1	38.4	52.9		33.9
Aug	47.5	54	42.8	43.8	40.6	48.4	47.1	45.4	53.2	52.8	47.6	53.9	41.4	48.7	47.3	68.6		48.9
Sep	65.8	56.4	73.8	75.2	68.2	76.1	80.6	74.9	71.5	71.9	81.2	69.2	63	64.5	80.2	79		72.0
Oct	101.3	106.3	98.2	97.9	103.5	91.5	115.3	95	87	100.4	103.4	114.8	94.3	73.2	103.7	86.6		98.3
Nov	123	164	108.9	101.8	113.2	102.1	116.7	122.2	131.1	134.2	126.1	126.8	116	103.9	132.8	132		122.2
Dec	149.6	159.5	143.4	126.3	165.2	127.6	138.6	164.3	125.4	131.6	125.5	128.7	122.6	138.1	155.1	111.6		138.3
Total		1018.1	1018.8	940.3	953.5	983.9	1003.5	1035.0	982.9	999.2	1010.2	997.3	930.7	909.4	1064.8	1078.9		995.1
Average Daily Penman Evapotranspiration (mm)																		Monthly
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1996-2011
Jan		3.8	4.9	4.4	3.6	4.6	4.0	4.8	4.6	4.4	4.9	4.1	4.7	4.5	4.3	5.0	5.2	4.4
Feb		3.5	4.5	4.0	3.6	4.0	3.7	4.1	3.6	4.1	4.0	3.6	3.8	3.2	3.5	4.8		3.9
March		2.8	3.7	3.0	3.1	3.4	3.6	2.9	3.3	2.9	2.9	3.5	2.9	3.0	3.9	3.6		3.2
April		2.2	2.2	1.9	1.8	2.2	1.8	1.9	1.8	2.1	2.0	1.8	1.8	2.1	2.9	2.0		2.0
May		1.4	1.2	1.4	1.2	1.5	1.5	1.5	1.3	1.3	1.2	1.6	1.1	1.3	1.3	1.7		1.4
June	1.0	1.0	0.9	0.9	0.9	1.1	1.1	1.3	1.2	1.0	1.1	1.1	1.1	0.8	1.1	1.2		1.1
July	0.8	1.2	0.9	0.9	1.0	1.0	1.1	1.2	1.0	1.1	1.3	1.0	0.8	1.0	1.2	1.7		1.1
Aug	1.5	1.7	1.4	1.4	1.3	1.6	1.5	1.5	1.7	1.7	1.5	1.7	1.3	1.6	1.5	2.2		1.6
Sep	2.2	1.9	2.5	2.5	2.3	2.5	2.7	2.5	2.4	2.4	2.7	2.3	2.1	2.2	2.7	2.6		2.4
Oct	3.3	3.4	3.2	3.2	3.3	3.0	3.7	3.1	2.8	3.2	3.3	3.7	3.0	2.4	3.3	2.8		3.2
Nov	4.1	5.5	3.6	3.4	3.8	3.4	3.9	4.1	4.4	4.5	4.2	4.2	3.9	3.5	4.4	4.4		4.1
Dec	4.8	5.1	4.6	4.1	5.3	4.1	4.5	5.3	4.0	4.2	4.0	4.2	4.0	4.5	5.0	3.6		4.5

Evaporation from a Class A Raised Evaporation Pan												
This was only recorded for the period shown 1988-1996												
Average Monthly Pan Evaporation (mm)											Monthly	
											Mean	
	88	89	90	91	92	93	94	95	96	97	98	88-98
Jan		200.6	210.8	207.7	170.5	176.7	186	182.9	164.3		204.6	189.3
Feb		133.3	182	154	145	131.6	148.4	120.4	145		158.3	146.4
March		135.2	147.6	117.8	127.1	96.1	108.5	127.1	93		158.2	123.4
April		97.2	116.1	87	75	57	87	42	63			78.0
May		40.6	77.5	49.6	37.2	37.2	62	43.4	42.2			48.7
June		32.7	31.8	30	18	33	45	27				31.1
July		54.6	40.3	37.2	43.4	31	40.3	31.3				39.7
Aug		48.7	49.6	58.9	46.5	46.5	62	55.8				52.6
Sep		66.9	90	78	66	72	69	80.7				74.7
Oct	180.7	125.2	151.9	127.1	99.2	182.9	120.9	89.9		132.2		134.4
Nov	156.9	170.1	126	162	144	126	159	123		220.3		154.1
Dec	209.9	192.5	232.5	173.6	139.5	151.9	207.7	179.8		205		188.0
Total		1297.6	1456.1	1282.9	1111.4	1141.9	1295.8	1103.3				1260.6
Average Daily Pan Evaporation (mm)											Monthly	
												Mean
	88	89	90	91	92	93	94	95	96	97	98	88-98
Jan		6.5	6.8	6.7	5.5	5.7	6.0	5.9	5.3		6.6	6.1
Feb		4.8	6.5	5.5	5.0	4.7	5.3	4.3	5.0		5.7	5.2
March		4.4	4.8	3.8	4.1	3.1	3.5	4.1	3.0		5.1	4.0
April		3.2	3.9	2.9	2.5	1.9	2.9	1.4	2.1			2.6
May		1.3	2.5	1.6	1.2	1.2	2.0	1.4	1.4			1.6
June		1.1	1.1	1.0	0.6	1.1	1.5	0.9				1.0
July		1.8	1.3	1.2	1.4	1.0	1.3	1.0				1.3
Aug		1.6	1.6	1.9	1.5	1.5	2.0	1.8				1.7
Sep		2.2	3.0	2.6	2.2	2.4	2.3	2.7				2.5
Oct	5.8	4.0	4.9	4.1	3.2	5.9	3.9	2.9		4.3		4.3
Nov	5.2	5.7	4.2	5.4	4.8	4.2	5.3	4.1		7.3		5.1
Dec	6.8	6.2	7.5	5.6	4.5	4.9	6.7	5.8		6.6		6.1

Average Daily 30cm Soil Temperature (°C)- at 9am																		Monthly	LTA
																		Mean	Mean
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	1948-80
Jan	20.8	18.8	21.5	22.1	18.9	21.5	20.4	20.8	22.3	19.3	21.3	20.1	22.0	20.8	21.3	20.2	19.8	20.7	20.2
Feb	19.9	20.2	22.7	21.4	19.1	21.5	19.4	20.5	18.7	21.2	20.9	20.9	20.9	20.1	21.6	21		20.5	20
March	16.2	17.6	19.5	19.1	18.1	19.1	18.6	18.9	17.2	18.8	17.9	19.4	19.1	17.1	18.9	18.2		18.1	17.9
April	14.1	13.6	15.1	15.1	14.8	15	14.9	14.2	13.7	13.8	14.8	14.7	14.7	14.5	15.4	13.9		14.4	14.6
May	10.2	11.7	11.8	11.8	11.3	12.4	11.6	11.6	11.5	11.6	11.3	11.8	9.7	9.3	12.3	12.5		11.1	11
June	7.2	8.2	9	8.9	8.5	8	8.9	9	9	8.3	7.2	7.7	7.7	6.6	8.7	9.9		8.0	8
July	7.1	6.4	8.8	7.6	8.9	6.2	7.7	6.3	6.8	8.6	6.8	7.2	7	6.6	7.4	6.7		7.0	6.9
Aug	7.8	7.9	9	8.2	8.6	8.6	8.5	8.3	7.8	9.1	7.8	8.9	8.5	9	9.8	7.2		8.4	8.1
Sep	11.1	10.3	11.2	11.5	11.1	11.5	10.7	10.4	9.8	11.4	11.1	10.9	11.4	10.5	11.2	9.9		10.7	10.4
Oct	14	14	14	14.7	13.6	14.5	12.7	12.9	12.7	13.8	13.1	12.6	13.3	12.9	13.8	13.5		13.5	13.4
Nov	15.6	18.1	17.2	16.5	15.8	15.9	15.4	15.9	16.5	17.8	16	16.5	15.6	16.5	18	16.2		16.5	16.3
Dec	18.5	19.9	18.9	17.8	20.6	19.2	18.5	20		20.2	17.7	19.4	18.3	19.4	20.5	18.6		19.1	18.6
																			13.8
Average Daily 100cm Soil Temperature (°C)- at 9am																		Monthly	
																		Mean	
	96	97	98	99	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	
Jan	18.1	17.3	18.5	19.1	17.6	18.9	18.7	18.4	18.8	17.1	19.4	18	18.8	18.5	19	19	18.2	18.4	
Feb	18.8	18.1	19.9	19.6	18.1	19.4	19	19	18.6	18.8	20.4	19	19.4	19	19.7	19.6		19.0	
March	17.2	17.8	18.9	18.7	18.1	18.8	18.4	18.5	17.4	18.4	18.7	18.8	18.7	17.9	19.1	18.7		18.2	
April	15.6	15.6	16.5	17	16.5	17	16.7	16.4	15.6	16.3	16.6	17	17	16.3	17.1	16.5		16.3	
May	13.5	13.5	14.4	14.4	14.3	15.1	14.7	14.2	14	14	14.4	14.6	13.8	13.6	15.1	14.7		14.0	
June	10.7	11.6	11.9	12.5	11.8	11.8	12.1	12.4	11.9	11.8	11.7	12	11.3	10.8	12	12.7		11.5	
July	9.5	9.4	10.7	10.2	11.1	9.8	10.7	10.1	10.1	10.6	9.7	10	10	9.6	10.5	10.4		9.7	
Aug	9.5	9.3	10.6	10	10.7	10.1	10.5	10	9.9	10.7	9.8	10.5	10.2	10	11	9.6		9.9	
Sep	11	10.8	11.6	11.7	11.8	11.7	11.5	11	10.6	11.7	11.3	11.4	11.6	11.3	11.9	11		11.1	
Oct	13.2	12.8	13.6	13.6	13.2	13.8	12.7	12.5	12.3	13	13	12.7	13.1	12.8	13.4	12.9		12.9	
Nov	14.5	15.6	15.6	15.6	14.9	15.4	14.4	14.7	14.9	15.5	14.8	14.8	14.7	15.1	15.8	15.1		15.0	
Dec	16.1	17.3	17	16.7	17.2	17.3	16.6	16.8	15.9	17.4	16.4	16.8	16.7	17	18.3	16.8		16.9	

Average Monthly Soil Moisture (5 to 35 cm depth under mown grass)												
												Monthly
												Mean
	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2002-2011
Jan		19.5	16.2	28.3	19.2	19.1	19	20	17	24.3	27.1	20.3
Feb		16.5	19	17.4	22.2	17.6	16.7	23.8	14.3	15.9		18.2
March		15.5	24.3	18.1	17.7	16	18.7	27.2	14.8	15.4		18.6
April		16.4	24.6	28.1	22.8	16.7	31.3	19.7	15.8	24.4		22.2
May		17.9	32.3	29.4	34.8	33.5	35.1	37.3	25.9	38		31.6
June		29.7	35.6	35.2	38.4	33.6	33.3	37.8	39.7	38.4		35.7
July		33.9	37.6	37.4	38.2	37.6	39.6	39.5	38.2	38.3		37.8
Aug		31.2	37.5	35.9	38.4	38.1	40.5	38.5	39.5	37.4		37.4
Sep	31.1	33.5	36	28.8	30.7	31.5	38.3	36	38.4	32.6		33.7
Oct	25.8	32.7	37.3	28.4	28.3	33.7	33.2	39	32.6	37.4		32.8
Nov	20.2	21	28.9	18.4	28.9	19.8	29.3	25.7	18.8	28.1		23.9
Dec	26.1	17	22.7	17.6	21.5	22.4	28.2	18.8	24.2	24.8		22.3
Year Mean		23.7	29.3	26.9	28.4	26.6	30.3	30.3	26.6	29.6		28.0

Ground Frost Numbers per month																							
= Number of days during month that recorded a grass minimum temperature of <=-1.0°C																							
Data 1932-Aug 1985 from Blenheim weather station located in Parker Street.																					Monthly	LTA	
1986 onwards data from Marlborough Research Centre weather station on Grove Road																					Mean	Mean	
	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	1932-1980
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
Feb	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
March	1	1	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0.2	1
April	5	2	1	1	0	5	0	1	0	0	3	0	1	4	0	0	1	1	0	1		1.3	3.9
May	14	6	5	5	4	0	4	3	1	7	5	2	3	4	4	0	14	10	3	2		5.5	11.5
June	21	6	13	12	14	16	11	10	12	14	4	10	6	12	17	13	13	19	8	8		12.4	17.7
July	17	18	13	19	13	21	7	10	8	18	8	18	18	10	15	9	12	15	17	18		15.0	19
Aug	16	12	8	12	15	13	12	7	12	8	13	6	13	6	15	10	9	4	5	17		10.8	15.4
Sep	6	4	4	6	3	6	5	6	3	1	3	1	8	4	3	5	0	9	1	9		4.4	10.5
Oct	2	0	2	1	0	4	0	1	1	2	6	5	2	2	2	3	1	2	1	2		2.0	5
Nov	0	1	0	1	0	1	0	0	1	0	2	1	0	0	1	0	0	0	0	1		0.3	1.3
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0.1	0.6
Total	83	50	48	57	49	66	39	38	38	50	44	43	52	42	57	40	50	60	35	58		52.1	86.1
10 year	16.9	16.8	16.9	17.3	16.2	16.9	16.1	15.1	14.5	14.4	13.5	13.5	14.0	13.1	13.3	12.1	12.6	13.1	14.0	14.0			
moving	12.8	12.8	12.2	11.5	11.4	11.8	11.5	11.3	11.5	11.5	11.2	10.6	11.1	10.5	10.5	10.2	9.9	9.6	8.9	9.8			
average	60.1	59.4	58.3	59.4	57.8	59.9	57.5	55.6	53.1	51.8	47.9	47.2	47.6	46.1	46.9	44.3	45.4	47.6	47.3	48.1			

Air Frost Numbers per month																			
= Number of days during month that recorded an air minimum temperature of <0°C																			
Data 1932-Aug 1985 from Blenheim weather station located in Parker Street.																			
1986 onwards data from Marlborough Research Centre weather station on Grove Road																			
																		Monthly Mean	LTA Mean
	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	1986-2011	1932-1980
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
April	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0.2	0.5
May	0	0	0	1	0	4	1	0	0	1	0	0	1	4	0	0	0	1.3	3.6
June	10	6	3	4	2	7	2	2	4	6	6	9	7	14	4	1	0	5.6	10.8
July	9	9	0	6	0	12	3	15	11	2	5	8	9	7	6	7	0	7.6	12.4
Aug	6	7	5	3	3	1	4	1	10	0	7	2	5	0	1	8	0	4.0	7.6
Sep	0	1	0	2	2	0	1	0	1	1	0	3	0	3	0	0	0	0.8	2.6
Oct	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0.1	0.8
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0.1
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0	0
Total	25	23	8	16	7	24	11	19	26	12	18	23	22	28	11	16	0	19.8	38.5
10 year moving	8.4	8.5	8.0	7.2	7.2	7.2	7.1	7.6	7.7	6.7	6.3	6.2	7.1	7.2	7.8	7.3	0	July	
	0.8	0.8	0.6	0.7	0.9	0.9	0.9	0.7	0.7	0.8	0.8	1.0	1.0	1.1	0.9	0.9	0	Sep	
	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0	Oct	
average	22.2	22.3	20.7	19.9	19.9	19.8	18.4	18.1	18.3	17.1	16.4	16.4	17.8	19.0	19.4	18.6	0	Annual	