

Marlborough Research Centre Blenheim																										
Daily weather data is summarised at 9am																										
Date	Month	Year	Rain		Air		RH		Air		Grass		Soil		Temperatures		100cm		Solar		Windrun		Penman		Soil	
			Daily	mm	Dry	Wet	Daily	%	Max	Min	Daily	Min	Daily	10cm	9am	30cm	9am	9am	9am	Daily	Daily	Daily	km	ET	mm	Moisture
1	1	2003	0.0	17.9	15.4	73.7	25.6	10.4	6.8	19.2	20.9	20.6	17.4	31.7	217.7	5.6	20.3									
2	1	2003	0.0	19.3	16.3	83.3	22.0	12.8	8.1	20.3	21.9	21.3	17.5	31.7	255.0	5.2	19.5									
3	1	2003	0.0	19.6	15.8	52.3	29.3	10.1	5.6	19.5	21.6	21.4	17.7	29.8	290.0	6.4	19.1									
4	1	2003	0.0	16.4	13.6	65.1	26.0	12.5	7.9	19.8	22.2	21.8	17.8	20.0	366.1	4.5	18.8									
5	1	2003	0.0	20.7	18.1	77	28.2	16.3	15.3	21.0	22.2	21.4	18.0	25.8	296.5	4.8	18.6									
6	1	2003	0.0	17.6	15.3	84.2	21.6	14.4	13.1	21.2	22.8	22.0	18.1	29.9	259.9	4.8	18.3									
7	1	2003	0.0	18.1	15.3	78	23.1	11.1	8.5	20.0	22.1	21.8	18.2	29.6	326.6	5.2	18.0									
8	1	2003	0.0	16.9	14.8	76	22.7	11.3	9.7	20.4	22.7	22.2	18.3	24.7	257.7	4.3	17.8									
9	1	2003	0.0	18.3	15.3	83.1	24.2	12.0	8.5	20.0	22.2	21.9	18.4	22.1	181.7	3.8	17.6									
10	1	2003	1.2	19.0	17.8	80	24.9	16.1	15.0	21.5	23.1	22.2	18.5	20.4	170.7	3.6	17.6									
11	1	2003	0.0	18.8	17.6	86.9	22.0	16.9	14.8	21.6	23.5	22.6	18.6	21.9	224.0	3.7	17.5									
12	1	2003	19.8	17.7	16.8	94.3	18.1	15.3	12.9	21.0	22.7	22.1	18.7	5.8	198.5	0.8	18.8									
13	1	2003	0.0	13.5	10.9	72.6	18.6	10.6	9.9	15.8	18.5	19.2	18.7	23.5	271.4	3.9	21.1									
14	1	2003	0.0	13.3	10.3	67.4	18.2	7.9	5.9	14.8	17.4	18.2	18.7	27.6	332.4	4.6	21.2									
15	1	2003	0.0	12.4	9.4	76.9	17.6	5.1	2.6	13.7	16.5	17.6	18.5	30.6	264.7	4.8	21.0									
16	1	2003	0.0	15.6	13.1	77.8	25.6	8.8	6.5	15.7	17.8	18.3	18.3	29.4	251.9	5.1	20.7									
17	1	2003	0.0	17.4	14.5	83.5	19.5	13.6	11.5	19.6	21.0	20.4	18.3	29.2	237.4	4.6	20.1									
18	1	2003	0.0	16.3	14.7	76.8	21.9	11.2	7.7	19.2	21.0	20.8	18.3	22.3	231.7	3.9	19.8									
19	1	2003	0.0	18.3	14.2	57	26.2	12.3	7.8	18.8	20.9	20.8	18.4	28.7	483.1	6.8	19.4									
20	1	2003	0.0	21.1	18.7	55.8	28.5	18.1	18.0	21.3	22.4	21.6	18.5	28.2	327.5	6.0	18.9									
21	1	2003	0.0	18.3	15.4	66.5	21.9	12.7	7.2	20.1	22.4	22.1	18.6	28.5	347.2	5.6	18.4									
22	1	2003	1.2	22.1	18.0	67.9	26.3	13.5	10.0	21.3	22.5	22.1	18.7	22.7	509.8	5.1	18.0									
23	1	2003	0.0	18.3	12.4	53.6	23.8	13.7	10.5	18.3	21.0	21.4	18.8	23.4	471.9	5.5	17.7									
24	1	2003	2.4	16.4	11.9	70.5	24.1	10.0	5.2	17.7	20.3	20.6	18.8	27.6	360.7	4.9	17.4									
25	1	2003	0.4	12.5	11.3	75.1	19.8	8.6	5.4	16.6	19.7	20.4	18.8	27.3	208.0	4.1	17.4									
26	1	2003	0.0	11.7	9.8	69.3	20.4	4.7	2.1	15.1	18.3	19.4	18.8	26.6	291.9	4.8	17.3									
27	1	2003	0.2	19.7	15.0	85.2	22.1	11.5	9.1	18.9	20.4	20.1	18.8	7.1	211.4	1.2	17.1									
28	1	2003	0.0	13.9	10.7	53	25.0	7.4	4.3	15.1	17.7	18.5	18.7	27.0	444.2	6.1	17.1									
29	1	2003	0.0	15.0	13.4	76.6	22.7	12.3	7.3	17.6	19.5	19.6	18.6	28.1	263.1	4.7	16.9									
30	1	2003	0.0	15.7	13.0	56.3	26.8	10.1	7.7	17.9	20.2	20.3	18.6	28.9	442.2	6.5	16.8									
31	1	2003	0.0	19.7	14.4	55.4	25.7	15.5	13.0	20.0	21.7	21.3	18.6	28.3	651.1	7.4	16.6									
Means				17.1	14.3	71.9	23.3	11.8	9.0	18.8	20.9	20.8	18.4	25.4	311.2	4.8	18.5									
Totals			25.2											788.3	9646.0	148.3										

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass Min		Soil Temperatures						Solar Energy		Windrun		Penman ET		Soil Moisture						
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Daily	°C	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	km	Daily	mm	ET
1	2	2003	0.0	0.0	21.9	17.5	69.5	26.4	18.2	17.1	21.0	22.3	21.7	18.7	18.7	27.4	446.4	5.9	16.5																
2	2	2003	0.4	0.4	22.0	18.6	83.7	24.5	19.2	16.9	22.5	23.4	22.4	18.8	18.8	12.2	225.0	2.2	16.4																
3	2	2003	0.0	0.0	16.0	14.1	77.1	27.3	12.1	10.5	19.2	21.2	21.2	18.9	18.9	27.2	233.1	4.8	16.3																
4	2	2003	0.0	0.0	17.2	14.2	71.9	20.0	13.7	9.9	20.6	22.6	22.1	19.0	19.0	19.4	281.9	3.5	16.2																
5	2	2003	0.0	0.0	14.9	11.7	77.4	18.5	11.5	9.6	18.9	21.2	21.1	19.0	19.0	27.2	257.9	4.3	16.0																
6	2	2003	0.0	0.0	17.1	14.1	69.7	27.8	9.4	6.8	18.1	20.6	20.9	19.1	19.1	27.8	316.2	5.4	15.9																
7	2	2003	0.0	0.0	17.3	15.4	84.3	21.3	14.8	11.8	20.8	22.5	21.9	19.1	19.1	26.5	227.9	4.2	15.9																
8	2	2003	0.0	0.0	16.4	14.6	63.1	25.7	9.5	6.9	19.1	21.8	21.8	19.1	19.1	25.3	380.1	5.4	15.8																
9	2	2003	0.0	0.0	19.7	15.3	83.3	23.4	13.1	9.7	20.0	22.2	21.9	19.2	19.2	26.3	238.4	4.3	15.7																
10	2	2003	0.0	0.0	17.5	14.9	72.9	27.0	12.1	8.5	19.5	22.0	21.9	19.2	19.2	26.6	227.8	4.9	15.7																
11	2	2003	0.0	0.0	20.3	16.9	67.4	30.4	13.8	9.9	20.4	23.0	22.5	19.3	19.3	25.4	266.7	5.1	15.6																
12	2	2003	0.0	0.0	18.1	15.4	79	23.0	14.8	11.6	21.4	23.7	23.1	19.4	19.4	26.0	278.2	4.4	15.5																
13	2	2003	0.0	0.0	16.5	14.4	61.5	29.1	11.0	9.0	19.5	22.4	22.4	19.5	19.5	22.5	361.3	5.2	15.4																
14	2	2003	15.0	15.0	21.2	17.0	86.6	24.9	16.1	14.2	21.2	23.3	22.7	19.6	19.6	12.5	251.8	2.1	16.4																
15	2	2003	0.0	0.0	11.4	10.6	80.7	18.2	8.1	5.9	14.7	18.9	20.2	19.6	19.6	26.0	241.0	3.9	17.9																
16	2	2003	0.0	0.0	13.3	11.8	61.5	27.1	7.9	6.3	14.1	17.6	18.9	19.5	19.5	26.5	359.8	5.6	18.1																
17	2	2003	0.0	0.0	19.0	15.2	60.5	23.9	13.0	9.1	17.0	19.3	19.7	19.4	19.4	25.7	517.9	6	18.1																
18	2	2003	0.4	0.4	20.8	15.9	59.2	24.3	17.1	15.8	19.4	20.9	20.6	19.3	19.3	15.9	431.6	4.1	17.9																
19	2	2003	2.0	2.0	18.0	13.9	70.6	21.5	14.7	10.8	16.9	19.2	19.7	19.3	19.3	9.6	439.6	2.4	17.6																
20	2	2003	0.0	0.0	13.2	9.3	60.1	20.3	8.8	6.1	12.4	16.0	17.6	19.1	19.1	26.3	433.4	5.3	17.4																
21	2	2003	0.0	0.0	12.9	10.8	81.4	15.4	11.3	9.2	14.8	17.5	18.1	19.0	19.0	14.6	232.6	2.1	17.2																
22	2	2003	0.0	0.0	8.3	6.4	73.8	16.6	3.1	0.4	11.2	14.9	16.6	18.8	18.8	21.9	242.7	3.4	17.0																
23	2	2003	0.0	0.0	12.1	10.0	68.9	23.2	6.1	4.4	13.2	16.2	17.2	18.7	18.7	24.8	246.5	4.4	16.8																
24	2	2003	0.0	0.0	14.5	13.0	78.7	21.0	10.7	7.3	16.2	18.4	18.6	18.6	18.6	24.4	315.4	3.9	16.6																
25	2	2003	0.0	0.0	11.8	10.2	82.9	19.4	6.4	4.5	14.7	17.9	18.7	18.5	18.5	24.1	219.5	3.8	16.4																
26	2	2003	0.0	0.0	14.7	13.1	75.5	24.4	9.7	6.2	16.2	18.9	19.2	18.5	18.5	23.1	203.5	4.1	16.3																
27	2	2003	2.4	2.4	17.7	15.9	85	23.3	14.4	13.7	19.8	21.2	20.5	18.6	18.6	10.0	282.1	1.9	16.2																
28	2	2003	1.6	1.6	17.0	16.8	92.8	20.4	16.6	15.9	19.3	20.9	20.4	18.6	18.6	8.7	190.5	1.4	16.2																
Means					16.5	13.8	74.3	23.2	12.0	9.6	17.9	20.4	20.5	19.0	19.0	21.9	298.2	4.1	16.5																
Totals			21.8													613.6	8348.8	114.0																	

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass Min		Soil Temperatures						Solar Energy		Windrun		Penman ET		Soil Moisture				
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Daily	°C	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	km	Daily
1	3	2003	0.0	18.4	17.4	86	25.5	16.2	14.1	18.5	19.9	19.6	18.7	18.7	19.6	18.7	18.7	18.7	18.7	18.7	18.7	21.5	178.7	3.6	16.4								
2	3	2003	2.4	18.8	17.9	75.9	27.2	15.0	12.3	18.7	20.9	20.7	18.7	18.7	20.7	18.7	18.7	18.7	18.7	18.7	17.0	252.0	3.4	16.4									
3	3	2003	0.4	18.9	17.1	65.4	24.1	18.0	16.7	20.1	22.0	21.4	18.8	18.8	21.4	18.8	18.8	18.8	18.8	18.8	22.2	390.0	4.6	16.3									
4	3	2003	0.0	15.4	10.7	70.2	23.7	11.9	9.3	15.6	18.9	19.8	18.9	18.9	19.8	18.9	18.9	18.9	18.9	18.9	22.2	290.4	4.0	16.2									
5	3	2003	0.0	12.2	10.1	69.3	22.7	8.6	6.2	15.0	18.4	19.3	18.9	18.9	19.3	18.9	18.9	18.9	18.9	18.9	21.5	250.4	3.9	16.0									
6	3	2003	0.0	14.6	12.3	84.8	21.2	11.0	6.5	16.5	19.1	19.6	18.9	18.9	19.6	18.9	18.9	18.9	18.9	18.9	22.1	257.7	3.5	15.9									
7	3	2003	0.0	14.4	13.2	78.5	22.1	9.5	5.0	16.3	19.1	19.6	18.9	18.9	19.6	18.9	18.9	18.9	18.9	18.9	20.8	239.8	3.5	15.8									
8	3	2003	0.0	14.1	13.2	83.6	20.3	11.3	8.4	17.3	19.4	19.7	18.8	18.8	19.7	18.8	18.8	18.8	18.8	18.8	20.2	256.5	3.2	15.7									
9	3	2003	0.0	12.3	11.2	77.4	22.1	8.1	6.0	15.2	18.4	19.2	18.8	18.8	19.2	18.8	18.8	18.8	18.8	18.8	20.9	254.9	3.5	15.6									
10	3	2003	3.0	12.7	11.3	85.9	19.6	10.8	8.2	16.9	19.1	19.3	18.8	18.8	19.3	18.8	18.8	18.8	18.8	18.8	10.8	148.0	1.8	15.5									
11	3	2003	0.0	15.6	14.6	84	19.7	12.6	13.2	17.8	19.5	19.4	18.8	18.8	19.4	18.8	18.8	18.8	18.8	18.8	8.4	201.9	1.5	15.6									
12	3	2003	0.0	14.9	13.2	84.5	18.4	13.8	12.9	16.4	18.3	18.5	18.8	18.8	18.5	18.8	18.8	18.8	18.8	18.8	13.7	216.1	2.2	15.6									
13	3	2003	0.0	12.8	11.8	81.1	20.0	9.8	6.8	15.0	17.6	18.2	18.7	18.7	18.2	18.7	18.7	18.7	18.7	20.2	19.8	198.5	3.2	15.6									
14	3	2003	0.0	12.4	11.2	83.3	22.8	7.9	6.1	14.9	18.0	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	20.1	17.9	178.3	3.2	15.5									
15	3	2003	0.0	13.9	13.2	79.1	20.5	10.3	6.8	16.4	18.7	19.0	18.6	18.6	19.0	18.6	18.6	18.6	18.6	18.6	17.9	261.5	3.1	15.5									
16	3	2003	0.0	16.7	13.8	82.9	20.0	10.5	6.0	17.3	19.1	19.1	18.6	18.6	19.1	18.6	18.6	18.6	18.6	18.1	18.1	211.9	2.8	15.4									
17	3	2003	0.0	14.2	13.0	80.6	19.5	8.4	6.2	15.7	18.0	18.6	18.6	18.6	18.6	18.6	18.6	18.6	18.6	8.0	229.3	1.5	15.2										
18	3	2003	0.0	16.1	13.2	83.3	19.0	10.8	7.4	16.4	17.6	17.9	18.6	18.6	17.9	18.6	18.6	18.6	18.6	19.8	19.8	219.7	3.0	15.2									
19	3	2003	0.0	14.6	12.6	83.2	20.9	6.5	4.2	14.4	16.8	17.8	18.5	18.5	17.8	18.5	18.5	18.5	18.5	19.8	19.8	221.2	3.1	15.1									
20	3	2003	0.0	16.4	13.5	80.8	23.3	8.7	5.6	14.8	16.9	17.6	18.4	18.4	17.6	18.4	18.4	18.4	18.4	19.5	19.5	215.9	3.2	15.1									
21	3	2003	0.0	15.3	12.7	73.1	25.8	6.8	2.2	15.0	17.2	17.9	18.4	18.4	17.9	18.4	18.4	18.4	18.4	19.2	19.2	193.2	3.4	15.0									
22	3	2003	0.0	19.0	15.6	65.5	26.4	9.2	6.0	16.2	18.0	18.4	18.3	18.3	18.4	18.3	18.3	18.3	18.3	18.9	18.9	337.0	4.1	15.0									
23	3	2003	0.0	21.4	16.1	68.5	27.0	14.2	8.8	18.0	19.2	19.0	18.3	18.3	19.0	18.3	18.3	18.3	18.3	18.8	18.8	312.4	3.9	14.9									
24	3	2003	0.0	17.7	13.8	76.7	26.0	10.1	5.8	16.7	18.9	19.2	18.3	18.3	19.2	18.3	18.3	18.3	18.3	18.7	18.7	160.0	3.1	14.9									
25	3	2003	0.0	15.9	13.7	84.5	22.0	8.0	4.5	16.2	17.6	18.9	18.0	18.0	18.9	18.0	18.0	18.0	18.0	18.7	18.7	232.5	3.0	15.0									
26	3	2003	0.0	16.8	14.2	79.8	24.1	11.5	9.0	16.7	17.7	18.7	18.0	18.0	18.7	18.0	18.0	18.0	18.0	15.4	15.4	181.0	2.6	14.9									
27	3	2003	0.0	16.6	14.2	81.2	22.5	13.0	11.4	17.4	18.1	19.0	18.0	18.0	19.0	18.0	18.0	18.0	18.0	16.0	16.0	206.1	2.8	15.0									
28	3	2003	9.8	15.6	13.7	89.5	18.3	14.8	14.6	18.4	18.7	19.3	17.9	17.9	19.3	17.9	17.9	17.9	17.9	3.6	3.6	124.6	0.6	14.9									
29	3	2003	1.8	16.4	16.2	94.5	19.0	15.4	15.4	17.6	17.8	18.5	18.0	18.0	18.5	18.0	18.0	18.0	18.0	4.6	4.6	156.6	0.7	15.0									
30	3	2003	2.8	15.6	15.3	93.3	18.5	13.6	11.5	16.8	17.1	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	10.7	10.7	151.8	1.6	15.4									
31	3	2003	2.0	18.0	16.8	78.2	23.1	12.7	10.6	16.7	16.8	17.6	17.9	17.9	17.6	17.9	17.9	17.9	17.9	14.3	14.3	283.8	2.7	15.8									
Means				15.7	13.8	80.0	22.1	11.3	8.6	16.6	18.5	18.9	18.5	18.5	18.9	18.5	18.5	18.5	18.5	16.9	16.9	226.2	2.9	15.5									
Totals			22.2																	523.3	523.3	7011.7	90.3										

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass Min		Soil Temperatures			100cm		Solar Energy		Windrun		Penman ET		Soil Moisture	
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Daily	°C	9am	°C	9am	°C	Daily	mj/m2	Daily	km	Daily	mm	5-35cm
1	4	2003	0.2	0.0	12.2	10.9	80.5	15.6	11.2	10.9	15.1	16.4	17.6	17.8	17.8	8.3	157.0	1.3	15.9										
2	4	2003	0.0	0.0	11.8	10.4	85.2	16.4	9.2	7.8	13.8	14.9	16.3	17.8	185.1	11.0	185.1	1.6	16.2										
3	4	2003	0.0	0.0	11.8	10.4	68.8	21.8	6.5	4.1	11.2	13.1	15.1	17.7	289.7	17.7	289.7	3.4	16.4										
4	4	2003	0.0	0.0	16.4	12.6	81.8	22.2	8.4	4.0	12.7	14.0	15.5	17.5	234.3	17.1	234.3	2.8	16.6										
5	4	2003	7.8	0.0	15.4	13.3	90.0	19.4	10.0	6.1	13.8	14.5	15.7	17.4	165.7	6.8	165.7	1.1	16.6										
6	4	2003	1.2	0.0	13.7	13.4	92.3	16.9	11.6	9.6	14.3	15.2	16.2	17.3	161.4	5.4	161.4	0.8	16.8										
7	4	2003	0.0	0.0	14.6	10.6	73.7	17.3	9.9	6.6	13.1	14.4	15.6	17.2	217.0	10.1	217.0	1.8	17.0										
8	4	2003	0.0	0.0	10.0	7.4	76.6	16.5	3.7	0.1	9.8	12.2	14.2	17.1	236.5	16.7	236.5	2.5	17.0										
9	4	2003	0.6	0.0	13.1	10.2	78.2	19.5	5.9	3.1	10.0	11.8	13.6	17.0	185.8	15.9	185.8	2.6	17.2										
10	4	2003	0.0	0.0	13.1	11.3	86.6	14.5	9.6	6.8	12.8	13.4	14.4	16.8	196.7	5.0	196.7	0.8	17.2										
11	4	2003	0.0	0.0	10.7	9.2	81.8	17.9	5.9	3.8	10.2	11.9	13.6	16.7	176.4	13.5	176.4	2.0	17.1										
12	4	2003	0.0	0.0	11.5	10.3	84.0	16.3	5.9	3.5	10.8	12.4	13.9	16.6	169.8	13.0	169.8	1.9	17.2										
13	4	2003	0.0	0.0	11.1	10.0	83.7	15.9	8.2	4.3	12.1	13.0	14.2	16.4	179.8	7.9	179.8	1.2	17.2										
14	4	2003	0.0	0.0	11.5	9.8	79.4	19.2	5.9	1.7	11.1	12.4	13.9	16.3	202.3	15.0	202.3	2.3	17.2										
15	4	2003	0.0	0.0	11.8	9.5	77.4	22.1	7.0	3.8	10.9	12.4	13.9	16.3	184.2	14.2	184.2	2.4	17.0										
16	4	2003	0.0	0.0	13.8	11.5	81.5	22.9	7.9	4.8	12.1	13.2	14.5	16.2	161.6	15.0	161.6	2.4	16.9										
17	4	2003	0.0	0.0	13.3	12.3	62.2	19.0	8.1	4.5	12.5	13.7	15.0	16.1	212.9	6.1	212.9	1.6	16.7										
18	4	2003	0.0	0.0	12.7	8.5	71.3	14.7	10.6	9.5	13.1	13.8	14.8	16.1	233.6	7.5	233.6	1.5	16.5										
19	4	2003	0.0	0.0	10.6	8.8	75.1	15.8	6.7	3.9	11.3	12.8	14.1	16.1	312.7	14.7	312.7	2.4	16.3										
20	4	2003	0.0	0.0	9.0	6.9	80.4	18.7	4.3	2.9	9.9	12.0	13.6	16.0	155.0	13.5	155.0	2.0	16.2										
21	4	2003	0.0	0.0	10.2	9.4	82.9	13.9	6.4	4.0	11.9	12.7	13.8	16.0	141.1	4.3	141.1	0.7	16.0										
22	4	2003	0.0	0.0	10.8	9.6	81.4	17.3	6.8	4.0	11.6	12.7	13.8	15.9	174.4	11.9	174.4	1.8	16.0										
23	4	2003	0.0	0.0	8.8	7.6	54.3	20.2	5.1	2.3	10.3	12.0	13.6	15.8	365.1	12.4	365.1	3.2	16.0										
24	4	2003	0.6	0.0	16.3	10.4	80.0	18.8	8.7	9.0	13.5	13.6	14.2	15.7	253.7	6.6	253.7	1.2	15.8										
25	4	2003	0.0	0.0	6.2	6.2	78.6	14.0	2.4	-0.9	9.3	11.8	13.6	15.7	215.0	10.7	215.0	1.5	15.6										
26	4	2003	0.0	0.0	8.5	6.2	76.0	19.9	2.4	0.3	7.9	10.1	12.0	15.6	213.8	12.6	213.8	2.0	15.5										
27	4	2003	0.0	0.0	7.1	6.3	89.3	13.2	4.1	2.3	9.2	10.9	12.5	15.5	165.3	5.2	165.3	0.7	15.6										
28	4	2003	0.0	0.0	8.4	7.9	80.3	17.1	3.6	0.5	9.0	10.7	12.2	15.4	207.8	12.4	207.8	1.8	15.5										
29	4	2003	0.0	0.0	8.7	7.2	79.6	17.2	4.0	2.0	8.7	10.6	12.1	15.3	229.6	12.2	229.6	2.0	15.5										
30	4	2003	0.0	0.0	16.0	11.9	66.9	20.5	6.7	2.3	10.1	11.0	12.3	15.2	405.5	10.8	405.5	2.8	15.4										
Means					11.6	9.7	78.7	17.8	6.9	4.3	11.4	12.8	14.2	16.4	213.0	11.1	213.0	1.9	16.4										
Totals			10.4												6388.8	333.4	6388.8	56.1											

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass Min		Soil Temperatures						Solar Energy		Windrun		Penman ET		Soil Moisture						
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Daily	°C	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	km	Daily	mm	ET
1	5	2003	3.2	16.8	14.2	77.6	19.2	15.0	13.8	14.3	13.7	13.9	15.1	15.1	4.0	280.2	1.1	15.4																	
2	5	2003	4.4	17.2	16.3	93.3	17.6	14.6	12.9	15.1	14.4	14.6	15.0	3.3	167.3	0.5	15.5																		
3	5	2003	0.0	9.4	8.7	63.1	17.4	5.8	3.3	9.8	12.1	13.7	15.1	11.8	396.6	2.8	15.6																		
4	5	2003	1.6	14.9	10.2	72.6	19.0	9.1	8.2	10.3	11.4	12.8	15.1	8.9	253.1	1.7	15.5																		
5	5	2003	0.0	7.3	6.2	77.8	14.4	3.6	0.0	8.9	11.2	12.7	15.1	11.8	219.8	1.7	15.5																		
6	5	2003	0.0	6.5	5.1	75	18.6	2.2	0.6	6.3	8.8	10.9	15.0	11.1	204.2	1.8	15.7																		
7	5	2003	0.0	8.0	6.9	88.4	15.3	3.9	1.0	7.6	9.0	10.7	14.9	5.3	161.0	0.8	15.7																		
8	5	2003	0.0	9.4	8.9	79.4	15.7	5.5	2.3	8.8	10.1	11.3	14.7	10.7	204.1	1.6	15.8																		
9	5	2003	0.0	5.1	4.1	67.9	18.7	3.1	0.5	6.9	9.2	10.9	14.6	11.0	247.6	2.1	15.8																		
10	5	2003	0.0	15.6	11.0	61.7	19.0	4.6	3.4	9.6	9.9	11.0	14.5	9.5	370.9	2.6	15.9																		
11	5	2003	0.0	17.1	11.4	68.6	19.2	10.3	5.4	11.3	11.6	12.3	14.4	10.4	291.1	2.1	15.8																		
12	5	2003	0.0	9.2	8.0	72.5	13.5	4.5	0.6	9.9	10.8	11.9	14.3	8.1	275.8	1.5	15.7																		
13	5	2003	0.0	10.0	6.3	66.5	18.0	5.1	0.6	7.8	9.4	11.0	14.3	10.5	248.8	2.0	15.6																		
14	5	2003	0.0	8.8	6.3	74.3	18.1	4.0	1.7	7.5	9.2	10.7	14.2	10.2	199.5	1.6	15.6																		
15	5	2003	0.0	6.5	4.9	85.2	15.3	3.7	0.8	7.9	9.1	10.4	14.1	9.6	184.7	1.3	15.5																		
16	5	2003	0.0	6.2	5.2	83.8	17.0	1.4	-1.7	6.3	8.5	10.2	14.0	10.0	194.2	1.4	15.5																		
17	5	2003	0.0	6.2	4.8	78.3	17.8	2.2	-0.3	6.1	8.2	9.9	13.9	10.0	188.8	1.5	15.5																		
18	5	2003	0.0	6.9	5.7	70.5	17.3	4.6	0.7	7.6	9.0	10.2	13.8	7.8	207.0	1.6	15.5																		
19	5	2003	11.8	12.9	11.3	86.3	18.8	6.6	8.3	11.1	10.9	11.3	13.7	4.7	273.0	1.0	15.6																		
20	5	2003	0.2	19.0	16.5	68.7	21.6	12.9	12.6	14.1	13.2	13.1	13.7	8.9	425.5	2.6	16.0																		
21	5	2003	6.8	19.6	16.5	87.5	20.4	17.3	15.2	15.2	14.3	14.2	13.7	2.7	169.5	0.5	16.3																		
22	5	2003	6.2	12.7	12.6	89.2	19.2	12.4	11.2	13.4	13.7	14.1	13.8	6.2	192.0	1.0	17.5																		
23	5	2003	2.8	10.1	8.9	85	10.1	10.0	9.3	12.1	13.0	13.7	13.9	2.3	246.1	0.5	20.9																		
24	5	2003	0.2	7.9	7.1	90.1	10.7	7.3	6.7	9.5	10.7	11.9	14.0	3.1	187.4	0.4	22.5																		
25	5	2003	0.0	8.0	6.9	89.1	15.6	4.9	3.1	8.4	10.1	11.5	14.0	7.1	123.8	1.0	23.1																		
26	5	2003	0.0	8.4	8.2	90.7	12.5	6.9	5.2	9.4	10.3	11.3	13.9	4.7	125.9	0.6	23.4																		
27	5	2003	0.0	8.1	7.6	91.3	11.0	5.6	2.4	8.8	9.7	10.9	13.9	2.9	126.1	0.4	23.4																		
28	5	2003	0.0	4.3	3.7	73.9	13.1	2.3	-0.2	6.4	8.5	10.2	13.8	5.5	222.7	1.0	23.6																		
29	5	2003	0.0	6.4	4.0	52.4	15.7	1.6	-1.6	4.7	6.7	8.6	13.7	7.1	533.8	2.9	23.5																		
30	5	2003	0.0	15.3	10.5	56	18.8	6.1	5.0	9.3	8.9	9.5	13.5	5.9	608.2	3.0	23.4																		
31	5	2003	0.0	14.1	10.3	59.6	20.5	11.9	9.5	9.9	10.2	10.8	13.3	8.3	390.0	2.4	23.1																		
Means				10.6	8.7	76.6	16.7	6.7	4.5	9.5	10.5	11.6	14.2	7.5	255.4	1.5	17.9																		
Totals			37.2											233.5	7918.7	47.0																			

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass Min		Soil Temperatures						Solar Energy		Windrun		Penman ET		Soil Moisture				
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Daily	°C	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	km	Daily
1	7	2003	0.2	7.0	6.6	92.2	9.3	7.0	7.1	9.5	10.0	10.4	11.1	11.1	3.9	172.3	0.4	37.4															
2	7	2003	0.0	3.3	1.6	55.1	14.7	-0.6	-4.3	3.9	6.5	8.4	11.2	8.1	543.9	2.7	36.1																
3	7	2003	0.0	10.0	6.2	60.9	14.1	3.0	0.4	5.8	6.8	7.9	11.3	8.0	387.4	2.0	35.0																
4	7	2003	2.0	6.1	3.7	72	14.1	4.3	1.6	4.8	6.3	7.6	11.2	7.9	199.9	1.3	34.4																
5	7	2003	5.8	3.1	2.4	78.8	5.6	2.9	2.5	5.3	6.4	7.5	11.1	2.8	213.7	0.5	35.1																
6	7	2003	0.0	-0.5	-1.5	66.7	10.9	-3.0	-3.6	2.1	4.1	5.9	11.0	8.3	281.3	1.4	35.7																
7	7	2003	0.0	6.9	3.3	75.3	12.1	-1.6	-2.5	2.1	3.5	5.0	10.9	4.7	256.9	0.9	35.3																
8	7	2003	0.0	1.6	0.8	85.4	10.3	-0.8	-2.2	2.2	3.7	5.1	10.7	5.6	202.4	0.8	35.1																
9	7	2003	2.4	3.8	2.9	82	12.9	1.3	-0.1	4.0	5.0	5.9	10.5	6.2	242.8	1.0	34.8																
10	7	2003	0.0	6.7	6.0	90.8	10.8	3.8	2.5	5.5	5.9	6.6	10.3	2.9	154.9	0.4	34.9																
11	7	2003	0.0	1.6	1.1	73.5	11.3	0.1	-1.8	3.2	4.9	6.3	10.2	7.1	242.9	1.1	34.7																
12	7	2003	0.0	-0.4	-0.8	83.7	10.8	-1.9	-3.4	2.5	4.3	5.7	10.2	8.5	216.2	1.0	34.4																
13	7	2003	0.0	-0.6	-1.6	70.7	11.0	-2.7	-4.3	1.9	3.6	5.1	10.1	8.8	192.9	1.2	34.1																
14	7	2003	2.8	1.9	-0.2	75.8	12.7	-2.0	-5.7	1.7	3.2	4.6	10.0	4.0	261.5	0.9	34.0																
15	7	2003	0.0	8.6	7.4	58.8	16.4	1.7	-0.1	6.0	5.8	6.1	9.9	8.7	376.1	2.3	34.2																
16	7	2003	0.6	11.0	8.8	71.9	15.8	8.4	5.5	6.3	6.5	6.9	9.7	6.4	388.5	1.6	34.1																
17	7	2003	0.0	6.9	6.4	84	12.7	6.4	5.7	7.2	7.5	7.8	9.7	8.5	193.8	1.1	33.9																
18	7	2003	0.0	1.5	0.4	78.4	13.4	-0.4	-2.4	3.3	5.4	6.9	9.8	9.1	213.0	1.2	33.7																
19	7	2003	0.0	1.2	0.2	72.6	13.6	-2.0	-3.8	2.5	4.4	5.9	9.9	8.4	187.1	1.2	33.6																
20	7	2003	0.0	0.3	-1.0	70.8	13.8	-2.6	-5.1	2.2	4.0	5.5	9.8	9.2	232.2	1.4	33.5																
21	7	2003	0.0	1.3	0.1	77.9	12.4	-1.1	-2.8	2.1	3.7	5.1	9.7	9.1	244.5	1.2	33.2																
22	7	2003	0.0	1.6	0.2	77.7	13.9	-0.8	-2.2	2.0	3.6	4.9	9.6	9.4	228.5	1.3	33.1																
23	7	2003	0.0	2.6	1.4	83.2	11.9	0.7	-1.6	3.2	4.1	5.2	9.5	9.2	226.2	1.2	32.9																
24	7	2003	0.0	2.0	0.7	70	15.6	-1.2	-2.9	2.3	3.9	5.2	9.4	9.7	206.9	1.5	32.7																
25	7	2003	0.0	2.0	0.0	75.1	14.3	-1.3	-3.2	2.2	3.9	5.2	9.3	9.8	196.3	1.3	32.6																
26	7	2003	0.0	1.9	0.4	66.8	14.4	-1.9	-4.3	2.1	3.7	5.0	9.3	8.5	309.8	1.8	32.4																
27	7	2003	0.0	8.3	6.4	87.7	13.4	1.7	1.0	5.4	5.4	5.9	9.2	2.8	150.5	0.4	32.3																
28	7	2003	0.0	6.4	6.0	78.9	16.5	3.8	1.7	5.3	5.9	6.5	9.2	8.8	208.1	1.4	32.2																
29	7	2003	0.0	7.3	6.2	79.1	13.4	4.3	2.5	6.5	6.7	7.3	9.2	3.9	243.2	0.8	32.1																
30	7	2003	0.0	6.2	4.4	77.3	15.1	4.0	2.1	6.1	7.0	7.6	9.3	9.5	202.4	1.4	32.0																
31	7	2003	0.0	5.6	4.0	78.8	16.0	1.0	-2.1	4.4	5.9	7.1	9.3	8.4	176.6	1.3	31.8																
Means				4.0	2.6	75.3	13.0	1.0	-0.8	4.0	5.2	6.3	10.1	7.3	243.6	1.2	33.9																
Totals			13.8											226.2	7552.7	38.0																	

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass Min		Soil Temperatures						Solar Energy		Windrun		Penman ET		Soil Moisture						
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Daily	°C	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	km	Daily	mm	ET
1	8	2003	0.0	9.1	7.6	80.2	14.6	5.4	3.4	7.1	7.3	7.8	7.8	9.4	9.4	9.4	9.4	9.4	9.4	9.4	6.5	6.5	230.5	1.1	31.7										
2	8	2003	0.0	11.1	8.4	77.5	12.4	6.9	5.5	8.4	8.2	8.4	8.4	9.5	9.5	9.5	9.5	9.5	9.5	9.5	3.6	3.6	264.9	0.8	31.6										
3	8	2003	0.0	6.0	4.8	85.5	15.8	4.4	3.0	7.3	8.2	8.7	8.7	9.5	9.5	9.5	9.5	9.5	9.5	10.3	10.3	197.5	1.4	31.4											
4	8	2003	0.0	5.2	4.9	85.9	13.9	1.4	-0.8	5.6	7.2	8.3	8.3	9.6	9.6	9.6	9.6	9.6	9.6	10.7	10.7	173.7	1.3	31.2											
5	8	2003	0.0	4.7	3.8	80.8	15.1	0.6	-2.5	4.9	6.6	7.8	7.8	9.7	9.7	9.7	9.7	9.7	9.7	10.9	10.9	242.0	1.5	31.1											
6	8	2003	0.0	4.6	3.6	70.3	15.5	1.6	-0.1	4.6	6.2	7.5	7.5	9.8	9.8	9.8	9.8	9.8	9.8	10.4	10.4	258.5	1.9	30.9											
7	8	2003	7.0	12.1	9.4	84	15.5	4.4	3.9	7.5	7.5	8.0	8.0	9.8	9.8	9.8	9.8	9.8	9.8	5.8	5.8	186.3	1.0	30.8											
8	8	2003	0.2	9.9	9.8	92.9	12.6	9.2	8.7	9.4	9.1	9.2	9.2	9.8	9.8	9.8	9.8	9.8	9.8	4.7	4.7	140.0	0.6	31.0											
9	8	2003	0.0	6.6	5.5	76.6	16.6	3.5	1.6	6.9	8.4	9.3	9.3	9.9	9.9	9.9	9.9	9.9	9.9	11.6	11.6	226.7	1.7	31.2											
10	8	2003	0.0	5.2	3.7	80.6	16.0	1.8	-0.4	5.1	7.0	8.4	8.4	10.0	10.0	10.0	10.0	10.0	10.0	9.8	9.8	141.7	1.3	31.1											
11	8	2003	0.8	0.8	0.6	82.4	11.2	-0.9	-3.8	4.2	6.2	7.7	7.7	10.1	10.1	10.1	10.1	10.1	10.1	4.8	4.8	139.6	0.7	31.2											
12	8	2003	0.6	9.9	7.3	75.4	11.1	0.6	0.4	7.6	7.6	8.1	8.1	10.1	10.1	10.1	10.1	10.1	10.1	3.0	3.0	224.8	0.9	31.3											
13	8	2003	0.0	9.6	7.3	86.7	11.2	8.8	7.3	7.9	8.1	8.5	8.5	10.0	10.0	10.0	10.0	10.0	10.0	5.8	5.8	222.1	0.8	31.3											
14	8	2003	3.4	4.8	4.3	80.2	14.2	0.7	-1.2	5.0	6.8	8.1	8.1	10.1	10.1	10.1	10.1	10.1	10.1	11.7	11.7	218.9	1.8	31.4											
15	8	2003	2.6	11.2	10.1	70.4	16.4	4.6	2.5	8.3	8.0	8.4	8.4	10.1	10.1	10.1	10.1	10.1	10.1	5.5	5.5	357.2	1.4	31.7											
16	8	2003	0.0	9.4	5.4	56	13.4	5.6	2.0	6.2	7.6	8.7	8.7	10.1	10.1	10.1	10.1	10.1	10.1	12.2	12.2	452.5	2.9	31.9											
17	8	2003	0.0	9.7	6.1	61	15.2	6.4	3.5	5.6	6.7	7.8	7.8	10.1	10.1	10.1	10.1	10.1	10.1	13.1	13.1	370.7	2.5	31.7											
18	8	2003	0.0	6.8	4.2	75.1	15.0	1.9	-1.1	4.5	6.1	7.5	7.5	10.1	10.1	10.1	10.1	10.1	10.1	13.1	13.1	244.1	1.9	31.6											
19	8	2003	0.0	4.9	3.2	72.5	15.7	1.1	-0.5	4.3	6.1	7.4	7.4	10.1	10.1	10.1	10.1	10.1	10.1	13.2	13.2	246.3	2.0	31.4											
20	8	2003	0.0	2.8	1.5	70	12.1	0.3	-1.5	4.2	6.0	7.4	7.4	10.1	10.1	10.1	10.1	10.1	10.1	7.7	7.7	198.9	1.4	31.2											
21	8	2003	0.6	9.4	6.8	66.9	11.4	2.6	2.7	7.4	7.6	8.1	8.1	10.0	10.0	10.0	10.0	10.0	10.0	2.2	2.2	303.1	1.0	31.1											
22	8	2003	1.6	11.3	9.5	81.5	12.2	9.4	7.9	8.4	8.1	8.4	8.4	10.0	10.0	10.0	10.0	10.0	10.0	4.9	4.9	575.8	1.2	31.2											
23	8	2003	0.0	7.8	5.6	74.5	11.5	6.8	5.5	7.5	8.1	8.8	8.8	10.0	10.0	10.0	10.0	10.0	10.0	9.7	9.7	350.5	1.6	31.2											
24	8	2003	0.0	4.2	2.7	80.1	12.0	0.3	-1.0	4.8	6.5	7.9	7.9	10.1	10.1	10.1	10.1	10.1	10.1	8.3	8.3	220.4	1.3	31.1											
25	8	2003	0.0	8.0	6.2	82.7	16.1	4.0	2.6	6.8	7.4	8.2	8.2	10.1	10.1	10.1	10.1	10.1	10.1	12.9	12.9	211.1	1.8	30.9											
26	8	2003	0.0	9.4	8.7	80.6	16.1	5.2	3.4	7.7	8.0	8.7	8.7	10.1	10.1	10.1	10.1	10.1	10.1	7.2	7.2	190.2	1.2	30.9											
27	8	2003	0.0	11.7	9.8	85	15.0	9.2	7.9	9.9	9.6	9.7	9.7	10.1	10.1	10.1	10.1	10.1	10.1	8.1	8.1	230.6	1.2	30.7											
28	8	2003	6.6	7.2	6.3	90.7	13.1	5.3	2.8	8.4	9.2	9.9	9.9	10.2	10.2	10.2	10.2	10.2	10.2	6.2	6.2	198.8	0.8	30.7											
29	8	2003	0.0	5.5	4.5	80.5	13.7	1.3	-0.4	5.7	7.6	9.0	9.0	10.3	10.3	10.3	10.3	10.3	10.3	14.6	14.6	195.1	1.9	31.0											
30	8	2003	0.0	5.3	4.1	84.7	13.2	1.0	-0.6	5.0	7.0	8.5	8.5	10.4	10.4	10.4	10.4	10.4	10.4	13.7	13.7	241.7	1.8	31.2											
31	8	2003	2.8	6.9	5.8	68.1	15.8	2.2	0.8	5.7	7.2	8.5	8.5	10.4	10.4	10.4	10.4	10.4	10.4	14.5	14.5	336.6	2.7	31.0											
Means				7.4	5.9	78.0	14.0	3.7	2.0	6.5	7.5	8.3	8.3	10.0	10.0	10.0	10.0	10.0	10.0	8.9	8.9	254.5	1.5	31.2											
Totals						26.2														276.6	276.6	7890.8	45.4												

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air		Grass		Soil Temperatures						Solar Energy		Windrun		Penman		Soil Moisture				
			Daily	mm	9am	°C	9am	°C	Daily	°C	Max	Daily	°C	Min	Daily	°C	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	km	ET
1	9	2003	0.0	11.4	10.6	75.9	16.8	6.7	8.3	9.5	10.4	9.5	10.4	9.5	10.4	9.5	10.4	9.5	10.4	9.5	10.4	9.5	10.4	9.5	10.4	9.5	10.4	241.1	1.7	31.0	
2	9	2003	0.0	10.3	7.2	69.4	16.3	5.2	8.7	7.6	8.7	7.6	10.4	7.6	10.4	7.6	10.4	8.7	10.4	8.7	10.4	9.7	10.4	11.9	263.7	2.0	31.0				
3	9	2003	0.0	8.7	5.6	61.7	15.1	0.7	-3.1	5.6	7.6	5.6	10.5	5.6	10.5	5.6	10.5	7.6	10.5	7.6	10.5	9.0	10.5	9.2	450.5	2.5	30.8				
4	9	2003	4.2	10.8	8.0	76	16.2	7.8	6.5	8.5	8.8	8.5	10.5	8.5	10.5	8.5	10.5	8.8	10.5	8.8	10.5	9.4	10.5	10.4	192.6	1.7	30.6				
5	9	2003	0.0	10.7	7.3	69.4	15.0	5.9	4.1	8.1	9.0	8.1	10.5	8.1	10.5	8.1	10.5	9.0	10.5	9.0	10.5	9.8	10.5	13.5	287.9	2.3	30.6				
6	9	2003	0.0	8.1	5.3	81	15.2	15.2	0.4	7.0	8.6	7.0	10.6	7.0	10.6	7.0	10.6	8.6	10.6	8.6	10.6	9.7	10.6	16.3	222.8	2.3	30.6				
7	9	2003	0.4	7.3	6.4	81.3	15.0	1.9	-0.8	6.6	8.3	6.6	10.6	6.6	10.6	6.6	10.6	8.3	10.6	8.3	10.6	9.5	10.6	12.1	160.4	1.7	30.5				
8	9	2003	1.2	8.3	7.3	78	11.1	6.8	6.2	9.1	9.6	9.1	10.7	9.1	10.7	9.1	10.7	9.6	10.7	9.6	10.7	10.1	10.7	6.4	195.1	1.0	30.4				
9	9	2003	0.6	7.9	6.3	63.9	14.2	2.5	0.7	7.2	8.5	7.2	10.7	7.2	10.7	7.2	10.7	8.5	10.7	8.5	10.7	9.6	10.7	7.5	275.5	1.7	30.4				
10	9	2003	11.6	9.2	8.2	84.1	12.1	7.7	6.3	8.6	8.9	8.6	10.8	8.6	10.8	8.6	10.8	8.9	10.8	8.9	10.8	9.5	10.8	5.0	250.6	0.8	32.0				
11	9	2003	0.0	5.8	4.7	81.9	11.6	1.6	-0.9	6.3	7.6	6.3	10.8	6.3	10.8	6.3	10.8	7.6	10.8	7.6	10.8	8.9	10.8	11.8	300.3	1.7	32.9				
12	9	2003	0.0	6.1	4.2	75.6	13.1	3.6	2.6	7.0	8.0	7.0	10.8	7.0	10.8	7.0	10.8	8.0	10.8	8.0	10.8	9.0	10.8	17.1	206.4	2.4	32.8				
13	9	2003	10.6	12.0	9.2	71.1	16.7	3.4	-0.1	8.1	8.4	8.1	10.8	8.1	10.8	8.1	10.8	8.4	10.8	8.4	10.8	9.2	10.8	12.2	345.0	2.4	32.9				
14	9	2003	0.0	9.2	8.5	65	19.7	8.4	7.6	9.7	9.8	9.7	10.8	9.7	10.8	9.7	10.8	9.8	10.8	9.8	10.8	10.1	10.8	16.6	376.5	3.3	34.2				
15	9	2003	7.4	12.7	9.0	70.4	18.4	6.3	2.1	8.3	9.3	8.3	10.8	8.3	10.8	8.3	10.8	9.3	10.8	9.3	10.8	10.3	10.8	17.5	311.4	3.1	33.2				
16	9	2003	1.4	11.9	10.5	68.8	17.5	7.7	6.0	10.3	10.4	10.3	10.9	10.3	10.9	10.3	10.9	10.4	10.9	10.4	10.8	10.8	14.3	311.7	2.7	36.3					
17	9	2003	0.0	14.0	10.4	58.7	17.7	9.9	7.2	10.3	10.6	10.3	11.0	10.3	11.0	10.3	11.0	10.6	11.0	10.6	11.2	11.0	16.6	549.6	3.9	35.7					
18	9	2003	9.2	16.4	10.7	69.5	19.4	8.2	5.4	9.3	9.8	9.3	11.1	9.3	11.1	9.3	11.1	9.8	11.1	9.8	10.7	11.1	12.8	446.8	2.8	36.1					
19	9	2003	0.0	13.1	8.3	52.3	16.5	8.8	7.5	10.0	10.7	10.0	11.2	10.0	11.2	10.0	11.2	10.7	11.2	10.7	11.3	11.2	16.6	458.5	3.8	36.6					
20	9	2003	1.2	11.1	8.1	67.8	16.9	6.5	4.8	8.6	9.5	8.6	10.6	8.6	10.6	8.6	10.6	9.5	10.6	9.5	10.6	10.6	10.8	425.3	2.6	35.9					
21	9	2003	0.4	9.3	7.1	79.8	13.2	9.3	7.3	10.1	10.5	10.1	11.3	10.1	11.3	10.1	11.3	10.5	11.3	10.5	11.0	11.3	11.2	278.7	1.6	35.6					
22	9	2003	0.0	8.1	5.5	66.5	18.8	1.9	-0.1	6.9	8.5	6.9	10.0	6.9	10.0	6.9	10.0	8.5	10.0	8.5	10.0	10.0	11.3	19.4	216.7	3.1	34.7				
23	9	2003	0.0	11.9	8.3	65.1	17.5	3.9	1.1	8.8	9.7	8.8	11.4	8.8	11.4	8.8	11.4	9.7	11.4	9.7	10.7	11.4	16.6	317.3	3.1	33.2					
24	9	2003	2.0	12.7	9.9	65	21.0	6.1	3.1	9.3	10.0	9.3	10.9	9.3	10.9	9.3	10.9	10.0	10.9	10.0	10.9	11.4	19.5	439.5	4.2	32.1					
25	9	2003	0.0	16.5	12.5	51.1	21.8	12.5	10.6	13.4	12.6	13.4	12.5	13.4	12.6	12.5	11.4	12.6	12.6	12.6	12.5	11.4	20.5	585.8	5.3	32.1					
26	9	2003	2.0	17.9	12.2	56.2	21.5	12.9	7.4	12.1	11.9	12.1	11.6	12.1	11.9	12.4	11.6	11.9	12.4	11.9	12.4	11.6	20.4	545.8	5.1	32.5					
27	9	2003	11.2	15.7	10.0	62.2	19.4	12.9	10.0	12.2	12.5	12.2	12.9	12.2	12.5	12.9	11.7	12.5	12.9	12.5	12.9	11.7	18.8	393.7	3.7	31.8					
28	9	2003	24.8	8.4	8.1	93.2	8.8	7.1	5.8	10.5	11.6	10.5	11.8	10.5	11.8	10.5	11.8	11.6	11.8	11.6	12.5	11.8	2.9	241.1	0.4	39.5					
29	9	2003	0.0	9.0	6.9	70.1	14.5	5.6	4.8	8.8	9.5	8.8	11.9	8.8	11.9	8.8	11.9	9.5	10.6	9.5	10.6	11.9	14.3	239.2	2.3	38.9					
30	9	2003	7.2	11.1	7.8	81.4	12.9	4.1	-0.7	8.6	9.4	8.6	11.9	8.6	11.9	8.6	11.9	9.4	10.6	9.4	10.6	11.9	8.1	291.1	1.4	39.3					
Means				10.9	8.1	70.4	16.1	6.3	4.1	8.9	9.6	8.9	10.4	8.9	10.4	8.9	10.4	9.6	10.4	9.6	10.4	11.0	13.3	327.4	2.6	33.5					
Totals			95.4																				399.7	9820.6	74.9						

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass Min		Soil Temperatures						Solar Energy		Windrun		Penman ET		Soil Moisture				
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Daily	°C	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	km	Daily
1	10	2003	0.2	11.6	7.6	74.1	16.3	4.6	0.7	8.4	9.2	10.3	11.9	11.9	14.6	301.2	2.3	38.2															
2	10	2003	1.6	11.2	7.2	62.7	19.0	2.8	-0.4	8.0	9.0	10.2	11.8	11.8	14.6	315.1	3.0	37.3															
3	10	2003	34.4	12.4	11.3	93.6	16.1	9.7	5.9	10.4	10.3	10.7	11.8	11.8	3.4	192.1	0.5	42.1															
4	10	2003	1.0	7.6	6.6	78.3	10.6	6.0	6.5	10.1	11.0	11.5	11.7	13.3	234.8	1.9	40.3																
5	10	2003	0.2	5.6	4.5	75.2	12.2	4.5	1.7	8.1	9.7	10.7	11.8	17.9	214.8	2.3	38.1																
6	10	2003	0.0	4.7	2.4	68.2	15.3	-0.1	-2.9	5.7	8.2	9.9	11.8	22.9	214.9	3.3	37.1																
7	10	2003	0.0	8.0	5.5	61.8	18.8	2.2	-1.5	7.2	9.0	10.3	11.8	20.5	344.7	3.7	36.2																
8	10	2003	1.0	10.1	7.0	64.6	16.5	4.5	-0.5	7.9	9.5	10.6	11.7	22.2	360.8	4.0	35.2																
9	10	2003	0.4	12.6	10.7	84.8	16.6	9.4	3.7	10.7	10.9	11.3	11.7	15.9	267.1	2.5	34.5																
10	10	2003	1.4	11.4	10.7	90.4	16.2	10.1	10.3	12.3	12.4	12.5	11.8	9.8	206.8	1.4	34.1																
11	10	2003	1.2	9.9	9.4	93.0	12.8	9.5	9.6	12.1	12.6	12.9	11.9	6.7	125.2	0.9	33.8																
12	10	2003	8.6	11.0	10.7	88.0	15.0	9.9	9.1	11.9	12.3	12.7	12.0	5.7	281.3	0.9	34.7																
13	10	2003	0.0	11.7	9.7	76.3	12.6	10.9	9.6	11.7	12.2	12.6	12.1	7.9	267.0	1.4	36.2																
14	10	2003	0.0	9.8	5.4	75.7	14.2	2.7	-1.2	8.5	10.2	11.5	12.2	24.1	285.7	3.4	35.7																
15	10	2003	0.0	8.9	6.9	80.3	18.0	3.5	1.0	8.4	10.1	11.4	12.3	24.6	216.1	3.6	35.1																
16	10	2003	0.0	11.5	9.8	72.7	20.4	6.6	3.7	10.5	11.5	12.4	12.3	24.7	279.9	4.1	34.2																
17	10	2003	0.0	13.1	10.0	77.0	19.4	5.6	1.8	10.9	11.9	12.8	12.3	24.9	223.7	3.8	33.1																
18	10	2003	0.0	13.3	10.7	85.5	19.7	6.5	3.0	11.5	12.6	13.4	12.4	24.3	202.5	3.6	32.4																
19	10	2003	0.0	13.6	12.3	82.7	19.0	6.7	3.7	12.5	13.4	14.1	12.5	25.1	196.7	3.8	32.2																
20	10	2003	0.0	13.6	12.1	64.8	22.4	7.2	4.5	12.8	13.8	14.5	12.7	25.0	358.9	4.8	32.0																
21	10	2003	0.0	16.6	11.3	63.5	22.1	10.9	8.0	13.8	14.6	15.0	12.8	26.0	327.7	4.8	31.0																
22	10	2003	0.0	15.8	11.7	60.7	22.9	7.1	1.7	13.2	14.4	15.1	13.0	25.6	309.0	4.9	30.0																
23	10	2003	0.0	16.3	12.5	59.8	22.9	8.2	3.3	13.6	14.7	15.2	13.2	25.2	417.9	5.3	28.9																
24	10	2003	0.4	15.1	12.6	68.8	19.4	12.4	8.9	15.1	15.6	15.8	13.3	18.2	269.6	3.2	28.0																
25	10	2003	0.0	10.9	7.0	66.9	14.2	9.1	7.0	13.7	15.0	15.5	13.5	16.3	341.2	2.7	27.5																
26	10	2003	0.0	8.2	5.9	66.9	13.9	0.6	-2.6	10.4	12.6	14.0	13.6	19.1	272.6	3.0	26.8																
27	10	2003	4.8	9.2	6.7	75.9	13.9	2.6	-2.4	11.1	12.8	13.8	13.7	24.3	234.1	3.6	26.2																
28	10	2003	0.8	8.9	8.5	86.2	16.9	8.1	8.2	12.6	14.1	14.6	13.7	15.1	182.4	2.2	26.1																
29	10	2003	0.0	14.1	12.5	85.7	18.1	8.8	9.6	14.0	14.2	14.4	13.7	19.7	219.2	2.9	26.0																
30	10	2003	1.4	12.7	10.8	78.5	17.0	7.9	4.8	13.5	14.5	15.0	13.7	12.0	299.0	2.2	25.8																
31	10	2003	0.0	16.1	11.0	55.3	21.8	10.8	8.2	13.0	13.9	14.6	13.7	23.2	430.9	5.0	25.9																
Means				11.5	9.1	74.8	17.2	6.8	4.0	11.1	12.1	12.9	12.5	18.5	270.7	3.1	32.7																
Totals			57.4											572.3	8392.9	95.0																	

Date	Month	Year	Rain		Air Dry		Air Wet		RH		Air Max		Air Min		Grass		Soil Temperatures						Solar		Penman		Soil										
			Daily	mm	9am	°C	9am	°C	Daily	%	Daily	°C	Daily	°C	Daily	°C	Min	Daily	10cm	9am	°C	20cm	9am	°C	30cm	9am	°C	100cm	9am	°C	Daily	Energy	Daily	Windrun	Daily	ET	mm
1	12	2003	0.0	17.7	13.4	48.0	27.2	9.0	7.0	15.4	16.4	16.7	15.2	15.2	16.7	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	32.2	390.8	7.1	18.8					
2	12	2003	0.0	19.9	12.7	65.7	26.0	13.7	10.2	17.6	18.3	18.2	15.2	15.2	18.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	26.1	307.8	4.8	18.4						
3	12	2003	0.0	13.3	11.5	80.2	16.5	11.7	11.6	17.7	19.0	18.8	15.4	15.4	19.0	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	15.4	17.7	206.7	2.7	18.3							
4	12	2003	0.0	15.5	12.1	53.0	26.7	7.5	4.6	16.0	17.4	17.8	15.6	15.6	17.4	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	15.6	31.7	391.1	6.9	18.2							
5	12	2003	0.0	21.4	14.9	55.4	25.4	14.6	9.2	18.6	19.4	19.2	15.7	15.7	19.4	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	15.7	28.5	520.4	6.8	17.8							
6	12	2003	0.0	20.1	15.4	76.6	21.4	17.7	16.6	19.7	20.3	19.9	15.8	15.8	20.3	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	15.8	10.9	254.6	2.2	17.7							
7	12	2003	0.0	15.6	12.8	73.9	21.3	11.1	6.9	17.6	18.6	18.6	16.8	16.8	18.6	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	30.7	312.4	5.3	17.6							
8	12	2003	0.0	15.0	13.2	74.6	19.4	13.6	12.0	18.9	19.9	19.6	16.1	16.1	19.9	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	16.1	24.5	230.8	4.1	17.5							
9	12	2003	1.0	15.3	13.4	71.5	20.5	12.8	10.3	18.8	19.7	19.6	16.2	16.2	19.7	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	16.2	15.9	323.8	3.0	17.4							
10	12	2003	0.0	12.6	10.6	77.8	17.1	11.0	10.2	16.8	18.7	18.9	16.3	16.3	18.7	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	16.3	20.6	249.8	3.2	17.2							
11	12	2003	0.0	14.7	11.7	72.9	25.9	6.8	5.5	15.6	17.2	17.7	16.4	16.4	17.2	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	31.9	222.8	5.5	17.2							
12	12	2003	0.0	22.2	17.5	63.7	29.1	12.1	9.9	19.2	19.8	19.6	16.4	16.4	19.8	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	31.5	414.5	7.0	17.1							
13	12	2003	0.4	23.9	19.1	68.2	27.5	19.9	18.3	22.5	22.1	21.3	16.4	16.4	22.1	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	16.4	29.2	379.0	6.2	17.1								
14	12	2003	0.0	22.9	18.7	55.2	28.0	19.2	18.1	22.6	23.0	22.3	16.6	16.6	23.0	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	16.6	31.9	389.6	6.7	16.8								
15	12	2003	0.0	18.5	11.1	45.2	24.6	10.4	6.4	19.8	21.7	21.8	16.8	16.8	21.7	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	33.2	468.1	7.5	16.6								
16	12	2003	0.0	17.1	11.8	72.9	18.3	12.9	8.7	20.5	21.5	21.4	17.0	17.0	21.5	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	17.0	21.0	265.7	3.5	16.5								
17	12	2003	0.0	13.5	10.1	72.7	16.6	6.4	3.4	17.8	19.8	20.2	17.2	17.2	19.8	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	32.5	266.7	5.1	16.4								
18	12	2003	0.0	16.7	13.5	73.7	25.1	7.9	5.8	18.2	19.9	20.2	17.2	17.2	19.9	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.2	31.7	246.0	5.5	16.2								
19	12	2003	0.0	17.1	14.2	74.2	19.9	10.4	6.0	20.1	21.6	21.5	17.3	17.3	21.6	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	26.9	248.9	4.5	16.1								
20	12	2003	0.0	18.1	13.6	62.8	22.3	9.5	5.4	19.2	20.9	21.0	17.3	17.3	20.9	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	17.3	20.2	399.9	4.5	16.2								
21	12	2003	0.0	22.4	16.1	48.3	27.2	13.9	10.6	20.4	20.9	20.7	17.4	17.4	20.9	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	17.4	24.2	416.6	5.9	16.0								
22	12	2003	0.0	16.3	12.7	73.4	20.4	12.9	8.6	20.1	20.9	20.9	17.5	17.5	20.9	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	29.9	305.9	4.9	16.1								
23	12	2003	0.2	14.0	12.4	66.9	24.2	9.1	6.4	18.4	20.7	20.9	17.5	17.5	20.7	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	16.1	459.3	3.9	16.0								
24	12	2003	0.0	19.0	14.1	49.5	24.7	14.0	14.2	19.9	20.7	20.4	17.6	17.6	20.7	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	24.9	477.1	6.1	15.9								
25	12	2003	0.0	16.6	11.4	47.7	24.0	13.6	11.2	18.9	20.7	20.7	17.6	17.6	20.7	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	29.0	487.7	6.9	15.9								
26	12	2003	0.0	18.0	12.9	43.2	27.0	14.6	11.6	19.8	21.2	21.1	17.6	17.6	21.2	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	17.6	29.2	552.1	7.6	15.8								
27	12	2003	17.4	19.9	12.7	64.2	28.7	12.8	7.0	20.0	21.2	21.2	17.7	17.7	21.2	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	28.2	368.5	5.9	16.0								
28	12	2003	0.0	22.5	18.1	47.4	27.7	15.1	15.2	20.2	21.6	21.5	17.7	17.7	21.6	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	17.7	28.2	328.4	6.1	17.4								
29	12	2003	3.4	19.2	12.0	72.5	23.0	10.1	6.2	16.6	19.1	20.0	17.8	17.8	19.1	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	17.8	27.2	216.8	4.6	17.8								
30	12	2003	0.0	13.6	11.7	69.3	21.0	10.3	8.7	17.0	19.5	20.1	17.9	17.9	19.5	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	30.5	235.3	5.0	17.9								
31	12	2003	0.0	14.2	11.4	75.9	21.0	6.7	4.4	16.4	18.8	19.7	17.9	17.9	18.8	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	17.9	31.9	226.8	5.3	17.9								
Means				17.6	13.4	65.0	23.5	12.0	9.4	18.7	20.0	20.0	16.8	16.8	20.0	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	16.8	26.7	340.8	5.3	17.0								
Totals			22.4																								828.1	10563.9	164.3								