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Temperature and Rainfall report for mid-Aug 2022 vs 2021

1 - 15 AUGUST																		
Area	Average Temp			MAX Temp			MIN Temp			Avg Daily MAX			Avg Daily MIN			Total Rain		
	2021	2022	22 vs '21	2021	2022	22 vs '21	2021	2022	22 vs '21	2021	2022	22 vs '21	2021	2022	22 vs '21	2021	2022	22 vs '21
Elgin	10.0	10.2	↑ 0.2	22.2	20.6	↓ -1.6	-0.1	-1.0	↓ -0.9	16.7	16.1	↓ -0.7	3.7	4.6	↑ 0.9	38	42	↑ 4
Ermelo	9.6	11.2	↑ 1.6	23.9	25.5	↑ 1.7	-1.7	-2.7	↓ -1.1	18.1	20.0	↑ 1.9	2.3	3.2	↑ 0.9	3	3	↑ 0
Franschhoek	12.6	12.2	↓ -0.5	23.6	21.8	↓ -1.8	4.0	3.9	↓ 0.0	18.8	17.1	↓ -1.7	7.8	8.1	↑ 0.3	22	33	↑ 11
Greyton	11.2	10.9	↓ -0.2	24.5	24.5	↑ 0.0	1.0	-0.8	↓ -1.8	17.6	17.9	↑ 0.3	5.7	4.8	↓ -0.9	33	8	↓ -24
Koue Bokkeveld	8.5	8.7	↑ 0.1	22.8	20.8	↓ -2.0	-1.2	-2.1	↓ -0.9	17.1	15.3	↓ -1.8	1.9	2.9	↑ 1.0	22	25	↑ 3
Ladismith	10.9	11.5	↑ 0.5	27.1	24.7	↓ -2.4	-0.9	1.3	↑ 2.2	18.6	18.4	↓ -0.2	4.3	6.0	↑ 1.7	17	16	↓ -2
Langkloof - Oos	10.9	10.1	↓ -0.8	27.5	22.7	↓ -4.8	0.9	1.2	↑ 0.4	18.0	16.8	↓ -1.2	4.9	5.5	↑ 0.6	22	10	↓ -13
Langkloof - Wes	10.0	9.7	↓ -0.3	25.1	21.3	↓ -3.8	1.8	1.6	↓ -0.2	17.0	15.6	↓ -1.4	3.4	4.3	↑ 0.9	36	17	↓ -19
Montagu	10.1	11.9	↑ 1.7	25.4	26.7	↑ 1.3	0.1	-2.2	↓ -2.3	18.8	20.0	↑ 1.2	2.9	4.8	↑ 1.9	27	10	↓ -17
Nuy	11.2	13.3	↑ 2.1	24.7	26.1	↑ 1.4	1.1	5.3	↑ 4.2	18.4	19.0	↑ 0.6	5.2	8.8	↑ 3.6	14	15	↑ 1
Piketberg	10.8	10.6	↓ -0.2	24.3	20.6	↓ -3.7	0.8	2.9	↑ 2.1	18.5	14.7	↓ -3.8	4.2	6.7	↑ 2.5	33	32	↓ -1
Robertson	10.8	11.5	↑ 0.7	24.2	27.0	↑ 2.7	-0.3	-1.4	↓ -1.1	18.0	19.5	↑ 1.5	4.8	4.8	↑ 0.0	15	9	↓ -7
Simondium	13.0	12.7	↓ -0.3	23.3	21.7	↓ -1.6	4.7	4.9	↑ 0.3	18.3	17.2	↓ -1.1	8.6	8.9	↑ 0.2	20	44	↑ 24
Stellenbosch	12.0	11.6	↓ -0.4	22.9	20.7	↓ -2.2	4.2	3.0	↓ -1.2	18.2	16.6	↓ -1.6	7.0	7.1	↑ 0.2	19	40	↑ 21
Tulbagh	11.9	11.5	↓ -0.4	23.4	23.6	↑ 0.1	4.2	1.3	↓ -2.9	17.9	17.0	↓ -0.8	7.5	5.7	↓ -1.8	33	0	↓ -32
Villiersdorp	11.7	11.8	↑ 0.2	24.4	24.3	↓ -0.1	2.3	2.5	↑ 0.2	17.9	17.5	↓ -0.4	6.8	6.2	↓ -0.6	32	20	↓ -12
Vrystaat	8.8	10.1	↑ 1.3	23.0	23.8	↑ 0.8	-0.2	-1.0	↓ -0.8	17.4	18.9	↑ 1.5	1.8	2.9	↑ 1.1	10	3	↓ -7
Vyeboom	11.0	11.4	↑ 0.4	23.0	23.1	↑ 0.1	1.2	0.3	↓ -0.9	17.2	16.5	↓ -0.7	5.5	6.8	↑ 1.2	35	38	↑ 3
Waterberg	15.2	16.5	↑ 1.2	27.7	27.8	↑ 0.1	6.1	3.7	↓ -2.4	22.9	24.1	↑ 1.2	8.7	9.0	↑ 0.4	0	0	↑ 0
WBV - Noord	10.0	10.3	↑ 0.4	25.2	24.8	↓ -0.4	0.7	-1.1	↓ -1.8	18.8	18.1	↓ -0.8	3.2	3.8	↑ 0.7	17	13	↓ -4
WBV - Suid	9.3	9.9	↑ 0.6	24.2	24.9	↑ 0.7	-0.2	-1.3	↓ -1.1	18.5	18.1	↓ -0.3	2.4	3.4	↑ 1.0	17	19	↑ 1
Wellington	11.7	13.0	↑ 1.3	23.7	22.1	↓ -1.7	2.6	6.4	↑ 3.8	18.9	17.2	↓ -1.7	5.8	9.6	↑ 3.8	19	21	↑ 3
Wolseley	11.7	10.8	↓ -0.8	23.7	25.1	↑ 1.4	1.7	1.4	↓ -0.3	18.7	19.1	↑ 0.4	5.5	4.1	↓ -1.4	19	21	↑ 2

Accumulated Richardson cold units until 15 August 2019 - 2022

Area	Accumulated Richardson units to date (15 Aug 2022)								
	Start date* 2019	RICH (2019)	Start date* 2020	RICH (2020)	Start date* 2021	RICH (2021)	Start date* 2022	RICH (2022)	RICH (21 vs 22)
Elgin	13 April 2019	564	12 April 2020	665	27 April 2021	730	14 April 2022	697	↓ -33
Ermelo	Pre-station date	-	31 March 2020	816	15 April 2021	978	06 April 2022	1103	↑ 125
Franschhoek	03 June 2019	362	22 May 2020	334	22 June 2021	407	13 June 2022	328	↓ -79
Greyton	16 May 2019	373	12 May 2020	552	15 May 2021	488	18 May 2022	528	↑ 40
Koue Bokkeveld	19 May 2019	1045	05 April 2020	928	26 April 2021	1054	29 March 2022	1058	↑ 4
Ladismith	21 June 2019	213	25 May 2020	314	15 May 2021	451	23 April 2022	625	↑ 174
Langkloof - Oos	15 May 2019	536	10 May 2020	657	15 May 2021	689	21 April 2022	824	↑ 135
Langkloof - Wes	21 June 2019	230	09 June 2020	328	15 May 2021	580	18 May 2022	503	↓ -77
Montagu	15 May 2019	268	22 May 2020	414	15 May 2021	542	19 May 2022	466	↓ -76
Nuy	Pre-station date	-	12 May 2020	413	15 May 2021	407	26 May 2022	439	↑ 32
Piketberg	29 May 2019	727	09 June 2020	506	14 May 2021	881	05 May 2022	663	↓ -219
Robertson	15 May 2019	334	13 May 2020	532	15 May 2021	546	05 May 2022	572	↑ 26
Simondium	30 May 2019	454	21 May 2020	397	15 May 2021	502	12 June 2022	345	↓ -158
Stellenbosch	11 June 2019	362	09 June 2020	263	22 June 2021	426	02 July 2022	298	↓ -128
Tulbagh	Pre-station date	-	Pre-station date	-	22 June 2021	469	13 June 2022	430	↓ -40
Villiersdorp	30 May 2019	321	12 May 2020	431	15 May 2021	472	18 May 2022	400	↓ -72
Vrystaat	15 April 2019	738	01 April 2020	895	15 April 2021	1002	05 April 2022	1146	↑ 145
Vyeboom	03 May 2019	510	12 May 2020	612	15 May 2021	554	18 May 2022	500	↓ -55
Waterberg	08 June 2019	-214	26 May 2020	147	30 May 2021	142	31 May 2022	19	↓ -124
WBV - Noord	02 May 2019	749	27 April 2020	774	06 May 2021	778	22 April 2022	762	↓ -16
WBV - Suid	30 April 2019	938	27 April 2020	865	27 April 2021	977	14 April 2022	949	↓ -29
Wellington	05 June 2019	60	09 June 2020	-1	22 June 2021	294	13 June 2022	85	↓ -209
Wolseley	04 June 2019	201	12 May 2020	484	08 May 2021	526	18 May 2022	528	↑ 3

*chill units should be counted from the lowermost inflection point, i.e. the lowermost or most negative turning point, of the annual accumulated chill unit curve.

Accumulated Infruitec cold units until 15 August 2019 - 2022

Accumulated Infruitec units to date (15 Aug 2022)									
Area	Start date* 2019	INF (2019)	Start date* 2020	INF (2020)	Start date* 2021	INF (2021)	Start date* 2022	INF (2022)	INF (21 vs 22)
Elgin	13 April 2019	667	12 April 2020	776	27 April 2021	815	14 April 2022	809	↓ -6
Ermelo	Pre-station date	-	31 March 2020	865	15 April 2021	994	06 April 2022	1126	↑ 132
Franschhoek	03 June 2019	400	22 May 2020	419	22 June 2021	426	13 June 2022	382	↓ -44
Greyton	16 May 2019	481	12 May 2020	655	15 May 2021	641	18 May 2022	661	↑ 20
Koue Bokkeveld	19 May 2019	1113	05 April 2020	1061	26 April 2021	1105	29 March 2022	1149	↑ 44
Ladismith	21 June 2019	340	25 May 2020	522	15 May 2021	687	23 April 2022	719	↑ 32
Langkloof - Oos	15 May 2019	600	10 May 2020	702	15 May 2021	725	21 April 2022	880	↑ 155
Langkloof - Wes	21 June 2019	356	09 June 2020	508	15 May 2021	762	18 May 2022	723	↓ -40
Montagu	15 May 2019	374	22 May 2020	495	15 May 2021	630	19 May 2022	541	↓ -89
Nuy	Pre-station date	-	12 May 2020	523	15 May 2021	545	26 May 2022	507	↓ -39
Piketberg	29 May 2019	890	09 June 2020	691	14 May 2021	1079	05 May 2022	1003	↓ -77
Robertson	15 May 2019	415	13 May 2020	576	15 May 2021	636	05 May 2022	640	↑ 4
Simondium	30 May 2019	491	21 May 2020	488	15 May 2021	624	12 June 2022	429	↓ -195
Stellenbosch	11 June 2019	419	09 June 2020	367	22 June 2021	460	02 July 2022	338	↓ -122
Tulbagh	Pre-station date	-	Pre-station date	-	22 June 2021	511	13 June 2022	527	↑ 17
Villiersdorp	30 May 2019	425	12 May 2020	615	15 May 2021	668	18 May 2022	626	↓ -42
Vrystaat	15 April 2019	761	01 April 2020	923	15 April 2021	1011	05 April 2022	1151	↑ 141
Vyeboom	03 May 2019	597	12 May 2020	679	15 May 2021	683	18 May 2022	627	↓ -56
Waterberg	08 June 2019	76	26 May 2020	258	30 May 2021	291	31 May 2022	184	↓ -107
WBV - Noord	02 May 2019	775	27 April 2020	830	06 May 2021	849	22 April 2022	832	↓ -17
WBV - Suid	30 April 2019	959	27 April 2020	888	27 April 2021	1004	14 April 2022	974	↓ -30
Wellington	05 June 2019	70	09 June 2020	276	22 June 2021	370	13 June 2022	295	↓ -75
Wolseley	04 June 2019	309	12 May 2020	553	08 May 2021	630	18 May 2022	603	↓ -27

*chill units should be counted from the lowermost inflection point, i.e. the lowermost or most negative turning point, of the annual accumulated chill unit curve.

Accumulated Chill Portions until 15 August 2019 - 2022

Area	Accumulated Chill Portions ¹ to date (15 Aug 2022)								
	Start date* 2019	CP ¹ (2019)	Start date* 2020	CP ¹ (2020)	Start date* 2021	CP ¹ (2021)	Start date* 2022	CP ¹ (2022)	CP ¹ (21 vs 22)
Elgin	14 April 2019	43	06 April 2020	46	29 April 2021	49	06 April 2022	52	↑ 3
Ermelo	Pre-station date	-	18 March 2020	47	21 April 2021	56	05 April 2022	64	↑ 8
Franschhoek	15 April 2019	30	07 April 2020	28	17 May 2021	34	07 April 2022	30	↓ -4
Greyton	15 April 2019	35	07 April 2020	35	30 April 2021	36	16 April 2022	42	↑ 6
Koue Bokkeveld	14 April 2019	56	06 April 2020	47	30 April 2021	57	05 April 2022	62	↑ 5
Ladismith	16 April 2019	29	07 April 2020	29	30 April 2021	42	08 April 2022	44	↑ 2
Langkloof - Oos	02 April 2019	40	07 April 2020	37	30 April 2021	41	07 April 2022	49	↑ 8
Langkloof - Wes	15 April 2019	34	07 April 2020	34	03 April 2021	44	07 April 2022	50	↑ 6
Montagu	24 May 2019	22	26 May 2020	25	30 April 2021	35	16 April 2022	32	↓ -3
Nuy	Pre-station date	-	07 April 2020	27	17 May 2021	33	16 April 2022	37	↑ 4
Piketberg	05 April 2019	52	06 April 2020	43	29 April 2021	53	05 April 2022	54	↑ 1
Robertson	15 April 2019	32	07 April 2020	31	08 April 2021	0	20 April 2022	32	↑ 32
Simondium	15 April 2019	32	07 April 2020	29	17 May 2021	37	07 April 2022	34	↓ -3
Stellenbosch	15 April 2019	32	07 April 2020	27	30 April 2021	39	25 April 2022	36	↓ -3
Tulbagh	Pre-station date	-	Pre-station date	-	30 April 2021	39	07 April 2022	40	↑ 1
Villiersdorp	14 April 2019	32	07 April 2020	35	29 April 2021	41	07 April 2022	42	↑ 1
Vrystaat	06 April 2019	45	18 March 2020	59	22 April 2021	54	05 April 2022	66	↑ 12
Vyeboom	14 April 2019	42	06 April 2020	44	30 April 2021	40	07 April 2022	44	↑ 4
Waterberg	15 June 2019	2	12 June 2020	13	19 May 2021	16	04 June 2022	12	↓ -4
WBV - Noord	05 April 2019	47	07 April 2020	41	08 May 2021	44	25 April 2022	44	↑ 0
WBV - Suid	05 April 2019	52	07 April 2020	38	08 May 2021	54	06 April 2022	52	↓ -2
Wellington	15 April 2019	4	26 May 2020	19	22 May 2021	26	20 May 2022	21	↓ -5
Wolseley	15 April 2019	24	07 April 2020	32	18 May 2021	34	25 April 2022	40	↑ 6

*chill units should be counted from the lowermost inflection point, i.e. the lowermost or most negative turning point, of the annual accumulated chill unit curve.

¹ CP = Chill portions according to the dynamic model (Fishman *et al.*, 1987)

Accumulated Heat Units and Growing Degree Days until 15 Aug

2021/22

Area	1 Jul - 15 Aug				1 Jul - 15 Aug			
	GDD (2021)	GDD (2022)	GDD (21 vs 22)		HU (2021)	HU (2022)	HU (21 vs 22)	
Elgin	10	26	↑	16	2379	2657	↑	278
Ermelo	-78	19	↑	96	2079	2660	↑	581
Franschhoek	124	141	↑	18	3105	3295	↑	190
Greyton	57	76	↑	20	2986	3153	↑	167
Koue Bokkeveld	-76	-39	↑	37	877	1747	↑	870
Ladismith	34	96	↑	62	3263	3557	↑	294
Langkloof - Oos	-	70		-	-	2905		-
Langkloof - Wes	-36	2	↑	38	2462	2376	↓	-86
Montagu	16	87	↑	72	2600	3407	↑	806
Nuy	63	192	↑	128	2826	3948	↑	1121
Piketberg	7	36	↑	29	1679	2089	↑	410
Robertson	37	75	↑	38	2704	3259	↑	555
Simondium	110	154	↑	44	845	3740	↑	2895
Stellenbosch	108	118	↑	10	3050	3336	↑	286
Tulbagh	109	123	↑	14	2829	3138	↑	309
Villiersdorp	87	93	↑	6	2930	3206	↑	276
Vrystaat	-91	-8	↑	83	1948	2417	↑	469
Vyeboom	61	88	↑	27	2836	3199	↑	363
Waterberg	192	234	↑	42	4854	5864	↑	1010
WBV - Noord	6	35	↑	29	2090	2567	↑	478
WBV - Suid	-34	10	↑	44	1779	2148	↑	369
Wellington	145	172	↑	27	3486	3948	↑	463
Wolseley	67	84	↑	18	2791	2997	↑	206