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Temperature and Rainfall report for MID-AUG 2023 vs 2022

1 - 15 August																		
Area	Average Temp			MAX Temp			MIN Temp			Avg Daily MAX			Avg Daily MIN			Total Rain		
	2022	2023	23 vs '22	2022	2023	23 vs '22	2022	2023	23 vs '22	2022	2023	23 vs '22	2022	2023	23 vs '22	2022	2023	23 vs '22
Avontuur	9.7	11.2	↑ 1.5	21.3	24.3	↑ 3.0	-4.0	-1.9	↑ 2.1	15.7	18.1	↑ 2.4	4.2	4.2	↓ 0.0	17	2	↓ -14
Elgin	10.2	11.4	↑ 1.2	20.6	27.4	↑ 6.9	-1.0	-0.5	↑ 0.5	16.1	19.4	↑ 3.3	4.6	4.5	↓ -0.1	42	5	↓ -37
Ermelo	11.2	9.2	↓ -2.0	25.5	26.0	↑ 0.4	-2.7	-5.3	↓ -2.5	20.0	18.7	↓ -1.3	3.2	0.5	↓ -2.7	3	2	↓ -1
Franschhoek	12.2	14.0	↑ 1.8	21.8	28.7	↑ 6.9	3.9	4.5	↑ 0.6	17.1	21.2	↑ 4.1	8.1	8.8	↑ 0.7	33	0	↓ -33
Greyton	10.9	11.8	↑ 0.9	24.5	29.2	↑ 4.7	-0.8	0.4	↑ 1.2	17.9	20.3	↑ 2.4	4.8	4.9	↑ 0.1	8	5	↓ -3
Joubertina	11.5	12.5	↑ 1.0	24.1	26.9	↑ 2.8	0.0	1.7	↑ 1.7	18.1	21.0	↑ 3.0	5.6	6.0	↑ 0.5	9	1	↓ -8
Koue Bokkeveld	8.7	10.2	↑ 1.6	20.8	25.1	↑ 4.3	-2.1	-1.3	↑ 0.8	15.3	19.1	↑ 3.8	2.9	2.4	↓ -0.4	25	1	↓ -25
Ladismith	11.5	13.7	↑ 2.2	24.7	27.1	↑ 2.4	1.3	-0.7	↓ -2.0	18.4	21.1	↑ 2.7	6.0	6.2	↑ 0.2	16	1	↓ -15
Misgund	9.9	10.9	↑ 1.0	22.2	25.7	↑ 3.6	-3.4	-2.1	↑ 1.3	16.6	19.4	↑ 2.8	4.0	3.1	↓ -1.0	19	5	↓ -14
Montagu	11.9	11.5	↓ -0.4	26.7	28.3	↑ 1.6	-2.2	-0.6	↑ 1.6	20.0	21.7	↑ 1.7	4.8	3.6	↓ -1.2	10	0	↓ -10
Nuy	13.3	11.6	↓ -1.7	26.1	29.2	↑ 3.1	5.3	-0.5	↓ -5.8	19.0	22.2	↑ 3.2	8.8	3.4	↓ -5.4	15	0	↓ -15
Piketberg	10.6	13.3	↑ 2.7	20.6	26.3	↑ 5.7	2.9	4.5	↑ 1.7	14.7	17.5	↑ 2.9	6.7	9.2	↑ 2.5	32	0	↓ -32
Robertson	11.5	12.1	↑ 0.6	27.0	30.7	↑ 3.7	-1.4	-0.9	↑ 0.5	19.5	22.3	↑ 2.8	4.8	4.2	↓ -0.6	9	1	↓ -8
Simondium	12.7	14.7	↑ 2.0	21.7	28.4	↑ 6.7	4.9	4.8	↓ -0.1	17.2	20.8	↑ 3.6	8.9	9.7	↑ 0.8	44	1	↓ -42
Stellenbosch	11.6	14.3	↑ 2.7	20.7	28.2	↑ 7.5	3.0	3.9	↑ 0.8	16.6	20.4	↑ 3.8	7.1	8.9	↑ 1.7	40	3	↓ -38
Tulbagh	11.5	12.1	↑ 0.6	23.6	28.6	↑ 5.1	1.3	1.0	↓ -0.3	17.0	20.7	↑ 3.6	5.7	5.5	↓ -0.2	0	2	↑ 1
Villiersdorp	11.8	13.5	↑ 1.7	24.3	27.4	↑ 3.1	2.5	2.7	↑ 0.2	17.5	19.7	↑ 2.2	6.2	8.0	↑ 1.9	20	1	↓ -19
Vrystaat	10.1	9.1	↓ -1.0	23.8	23.1	↓ -0.7	-1.0	-3.5	↓ -2.5	18.9	19.6	↑ 0.6	2.9	0.5	↓ -2.4	3	0	↓ -3
Vyeboom	11.4	13.4	↑ 2.0	23.1	28.5	↑ 5.4	0.3	1.9	↑ 1.6	16.5	20.6	↑ 4.0	6.8	6.9	↑ 0.2	38	1	↓ -37
Waterberg	16.5	14.1	↓ -2.3	27.8	29.0	↑ 1.3	3.7	3.3	↓ -0.4	24.1	21.8	↓ -2.3	9.0	7.2	↓ -1.9	0	0	↑ 0
WBV - Noord	10.3	10.8	↑ 0.5	24.8	26.2	↑ 1.4	-1.1	0.2	↑ 1.3	18.1	20.4	↑ 2.4	3.8	3.8	↓ 0.0	13	1	↓ -12
WBV - Suid	9.9	10.9	↑ 1.0	24.9	25.5	↑ 0.6	-1.3	1.0	↑ 2.3	18.1	19.3	↑ 1.2	3.4	4.0	↑ 0.6	19	9	↓ -10
Wellington	13.0	14.9	↑ 1.9	22.1	27.9	↑ 5.8	6.4	6.7	↑ 0.3	17.2	20.2	↑ 2.9	9.6	10.3	↑ 0.7	21	1	↓ -21
Wolseley	10.8	13.0	↑ 2.2	25.1	29.7	↑ 4.7	1.4	2.2	↑ 0.8	19.1	21.6	↑ 2.5	4.1	6.0	↑ 1.9	21	0	↓ -20

Accumulated Richardson cold units until mid-Aug 2020 - 2023

Accumulated Richardson units to date (15 August)									
Area	Start date* 2020	RICH (2020)	Start date* 2021	RICH (2021)	Start date* 2022	RICH (2022)	Start date* 2023	RICH (2023)	RICH (22 vs 23)
Avontuur	25 March 2020	1120	04 May 2021	618	29 March 2022	1177	25 March 2023	1312	↑ 135
Elgin	12 April 2020	665	27 April 2021	730	14 April 2022	697	07 April 2023	844	↑ 148
Ermelo	31 March 2020	816	15 April 2021	978	06 April 2022	1103	07 May 2023	805	↓ -298
Franschhoek	22 May 2020	334	22 June 2021	407	13 June 2022	328	15 May 2023	479	↑ 151
Greyton	12 May 2020	552	15 May 2021	488	18 May 2022	528	10 May 2023	662	↑ 134
Joubertina	10 May 2020	844	10 May 2021	847	14 April 2022	547	11 May 2023	793	↑ 246
Koue Bokkeveld	05 April 2020	928	26 April 2021	1054	29 March 2022	1058	07 April 2023	1398	↑ 341
Ladismith	25 May 2020	314	15 May 2021	451	23 April 2022	625	27 April 2023	748	↑ 123
Misgund	25 March 2020	951	26 April 2021	825	04 April 2022	1033	25 March 2023	1132	↑ 99
Montagu	22 May 2020	414	15 May 2021	542	19 May 2022	466	07 May 2023	678	↑ 212
Nuy	12 May 2020	413	15 May 2021	407	26 May 2022	439	27 April 2023	545	↑ 106
Piketberg	09 June 2020	506	14 May 2021	881	05 May 2022	663	07 April 2023	1070	↑ 408
Robertson	13 May 2020	532	15 May 2021	546	26 May 2022	572	11 May 2023	542	↓ -30
Simondium	21 May 2020	397	15 May 2021	502	12 June 2022	345	15 May 2023	357	↑ 13
Stellenbosch	09 June 2020	263	22 June 2021	426	02 July 2022	298	14 May 2023	417	↑ 120
Tulbagh	Pre-station date	-	22 June 2021	469	13 June 2022	430	28 April 2023	707	↑ 278
Villiersdorp	12 May 2020	431	15 May 2021	472	18 May 2022	400	10 May 2023	570	↑ 170
Vrystaat	01 April 2020	895	15 April 2021	1002	05 April 2022	1146	09 April 2023	926	↓ -220
Vyeboom	12 May 2020	612	15 May 2021	554	18 May 2022	500	10 May 2023	513	↑ 13
Waterberg	26 May 2020	147	30 May 2021	142	31 May 2022	19	10 June 2023	197	↑ 179
WBV - Noord	27 April 2020	774	06 May 2021	778	22 April 2022	762	19 April 2023	987	↑ 225
WBV - Suid	27 April 2020	865	27 April 2021	977	14 April 2022	949	08 April 2023	1133	↑ 184
Wellington	09 June 2020	-1	22 June 2021	294	13 June 2022	85	24 May 2023	353	↑ 268
Wolseley	12 May 2020	484	08 May 2021	526	18 May 2022	528	30 April 2023	681	↑ 153

*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 mid-Aug 2020 - 2023

Accumulated Infruitec units to date (15 August)									
Area	Start date* 2020	INF (2020)	Start date* 2021	INF (2021)	Start date* 2022	INF (2022)	Start date* 2023	INF (2023)	INF (22 vs 23)
Avontuur	25 March 2020	1241	04 May 2021	805	29 March 2022	1366	25 March 2023	1422	↑ 56
Elgin	12 April 2020	776	27 April 2021	815	14 April 2022	809	07 April 2023	919	↑ 110
Ermelo	31 March 2020	865	15 April 2021	994	06 April 2022	1126	07 May 2023	819	↓ -307
Franschhoek	22 May 2020	419	22 June 2021	426	13 June 2022	382	15 May 2023	541	↑ 160
Greyton	12 May 2020	655	15 May 2021	641	18 May 2022	661	10 May 2023	735	↑ 74
Joubertina	10 May 2020	888	10 May 2021	898	14 April 2022	774	11 May 2023	828	↑ 54
Koue Bokkeveld	05 April 2020	1061	26 April 2021	1105	29 March 2022	1149	07 April 2023	1433	↑ 284
Ladismith	25 May 2020	522	15 May 2021	687	23 April 2022	719	27 April 2023	843	↑ 125
Misgund	25 March 2020	1079	26 April 2021	978	04 April 2022	1171	25 March 2023	1250	↑ 79
Montagu	22 May 2020	495	15 May 2021	630	19 May 2022	541	07 May 2023	720	↑ 179
Nuy	12 May 2020	523	15 May 2021	545	26 May 2022	507	27 April 2023	626	↑ 119
Piketberg	09 June 2020	691	14 May 2021	1079	05 May 2022	1003	07 April 2023	1295	↑ 293
Robertson	13 May 2020	576	15 May 2021	636	05 May 2022	640	11 May 2023	613	↓ -27
Simondium	21 May 2020	488	15 May 2021	624	12 June 2022	429	15 May 2023	488	↑ 59
Stellenbosch	09 June 2020	367	22 June 2021	460	02 July 2022	338	14 May 2023	543	↑ 205
Tulbagh	Pre-station date	-	22 June 2021	511	13 June 2022	527	28 April 2023	733	↑ 206
Villiersdorp	12 May 2020	615	15 May 2021	668	18 May 2022	626	10 May 2023	711	↑ 85
Vrystaat	01 April 2020	923	15 April 2021	1011	05 April 2022	1151	09 April 2023	962	↓ -190
Vyeboom	12 May 2020	679	15 May 2021	683	18 May 2022	627	10 May 2023	621	↓ -7
Waterberg	26 May 2020	258	30 May 2021	291	31 May 2022	184	10 June 2023	250	↑ 66
WBV - Noord	27 April 2020	830	06 May 2021	849	22 April 2022	832	19 April 2023	1023	↑ 191
WBV - Suid	27 April 2020	888	27 April 2021	1004	14 April 2022	974	08 April 2023	1156	↑ 183
Wellington	09 June 2020	276	22 June 2021	370	13 June 2022	295	24 May 2023	462	↑ 167
Wolseley	12 May 2020	553	08 May 2021	630	18 May 2022	603	30 April 2023	721	↑ 118

*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 mid-Aug 2020 - 2023

Accumulated Chill Portions ¹ to date (15 August)									
Area	Start date 2020	CP ¹ (2020)	Start date 2021	CP ¹ (2021)	Start date 2022	CP ¹ (2022)	Start date 2023	CP ¹ (2023)	CP ¹ (22 vs 23)
Avontuur	26 March 2020	59	22 March 2021	50	14 March 2022	66	26 March 2023	73	↑ 7
Elgin	06 April 2020	46	29 April 2021	49	06 April 2022	52	08 April 2023	57	↑ 5
Ermelo	18 March 2020	47	21 April 2021	56	05 April 2022	64	28 March 2023	53	↓ -11
Franschhoek	07 April 2020	28	17 May 2021	34	07 April 2022	30	12 May 2023	38	↑ 8
Greyton	07 April 2020	35	30 April 2021	36	16 April 2022	42	09 April 2023	43	↑ 1
Joubertina	27 March 2020	39	20 April 2021	43	15 March 2022	39	10 April 2023	46	↑ 7
Koue Bokkeveld	06 April 2020	47	30 April 2021	57	05 April 2022	62	12 March 2023	74	↑ 12
Ladismith	07 April 2020	29	30 April 2021	42	08 April 2022	44	09 April 2023	52	↑ 8
Misgund	26 March 2020	49	09 March 2021	54	14 March 2022	59	27 March 2023	67	↑ 8
Montagu	26 May 2020	25	30 April 2021	35	16 April 2022	32	22 April 2023	41	↑ 9
Nuy	07 April 2020	27	17 May 2021	33	16 April 2022	37	09 April 2023	37	↑ 0
Piketberg	06 April 2020	43	29 April 2021	53	05 April 2022	54	30 March 2023	66	↑ 12
Robertson	07 April 2020	31	08 April 2021	0	20 April 2022	32	09 April 2023	42	↑ 10
Simondium	07 April 2020	29	17 May 2021	37	07 April 2022	34	22 April 2023	34	↑ 0
Stellenbosch	07 April 2020	27	30 April 2021	39	25 April 2022	36	18 May 2023	35	↓ -1
Tulbagh	Pre-station date	-	30 April 2021	39	07 April 2022	40	21 April 2023	45	↑ 5
Villiersdorp	07 April 2020	35	29 April 2021	41	07 April 2022	42	31 March 2023	47	↑ 5
Vrystaat	18 March 2020	59	22 April 2021	54	05 April 2022	66	12 April 2023	54	↓ -12
Vyeboom	06 April 2020	44	30 April 2021	40	07 April 2022	44	08 April 2023	46	↑ 2
Waterberg	12 June 2020	13	19 May 2021	16	04 June 2022	12	17 May 2023	15	↑ 3
WBV - Noord	07 April 2020	41	08 May 2021	44	25 April 2022	44	21 April 2023	55	↑ 11
WBV - Suid	07 April 2020	38	08 May 2021	54	06 April 2022	52	21 April 2023	55	↑ 3
Wellington	26 May 2020	19	22 May 2021	26	20 May 2022	21	22 April 2023	33	↑ 12
Wolseley	07 April 2020	32	18 May 2021	34	25 April 2022	40	22 April 2023	45	↑ 5

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

Accumulated Heat Units and Growing Degree Days until mid-Aug

2022/23

Area	1 Jul - 15 Aug			1 Jul - 15 Aug		
	GDD (2022)	GDD (2023)	GDD (22 vs 23)	HU (2022)	HU (2023)	HU (22 vs 23)
Avontuur	1.5	-30	↓ -32	2375	2399	↑ 24
Elgin	32	35	↑ 3	2657	2537	↓ -120
Ermelo	26	-36	↓ -62	2660	2341	↓ -318
Franschhoek	144	143	↓ -1	3295	3353	↑ 58
Greyton	82	66	↓ -16	3153	2759	↓ -394
Joubertina	165	81	↓ -84	4254	2946	↓ -1308
Koue Bokkeveld	-38	-60	↓ -21	1798	1958	↑ 160
Ladismith	72	8	↓ -64	2599	1783	↓ -816
Misgund	12	-13	↓ -25	2573	2524	↓ -49
Montagu	90	45	↓ -46	3407	2726	↓ -681
Nuy	70	53	↓ -17	3394	3047	↓ -347
Piketberg	34	77	↑ 43	2083	2896	↑ 813
Robertson	92	71	↓ -21	3470	3104	↓ -367
Simondium	158	154	↓ -4	3740	3858	↑ 118
Stellenbosch	120	131	↑ 11	3336	3661	↑ 325
Tulbagh	89	77	↓ -12	3264	2853	↓ -410
Villiersdorp	92	102	↑ 10	3204	3272	↑ 68
Vrystaat	3	-41	↓ -44	2417	2285	↓ -132
Vyeboom	99	99	↑ 0	3117	3345	↑ 228
Waterberg	238	160	↓ -78	5864	4604	↓ -1260
WBV - Noord	40	38	↓ -3	2567	2404	↓ -163
WBV - Suid	16	20	↑ 4	2148	1937	↓ -211
Wellington	168	161	↓ -7	3869	3891	↑ 22
Wolseley	88	92	↑ 4	3065	3033	↓ -32

Stations used in this report

Area	Station
Avontuur (Langkloof)	Avontuur
Elgin	Beaulieu
Ermelo	The big apple
Franschhoek	La Motte
Greyton	Greymor
Joubertina (Langkloof)	Joubertina
Koue Bokkeveld	Weltevrede
Ladismith	Fontein
Misgund (Langkloof)	JGS
Montagu	Derdeheuvel
Nuy	Brugplaas
Piketberg	Heldervue
Robertson	Bemchem Nelsrivier
Simondium	Babylonstoren
Stellenbosch	Kanonkop1
Tulbagh	Waveren Berries
Villiersdorp	Villiersdorp
Vrystaat	Ametis
Vyeboom	Riviera
Waterberg	Waterberg berries
WBV - Noord	Lushof
WBV - Suid	Loxtonia
Wellington	Kalmoesfontein
Wolseley	Platvlei

Station replacements

AREA			CURRENT STATION			PREVIOUS STATION			FAULT INFO		
Vrystaat			Ametis			Lettie			Ametis back online		
Robertson			Bemchem Nelsrivier			MBFI Nexus Robertson			Station vandalised		