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Temperature and Rainfall report for AUG 2023 vs 2022

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	9.5	11.1	↑ 1.6	27.7	27.3	↓ -0.4	-4.0	-1.9	↑ 2.1	15.9	18.1	↑ 2.1	3.5	3.7	↑ 0.1	86	15	↓ -71
Elgin	10.8	11.8	↑ 1.0	28.3	31.6	↑ 3.3	-1.0	-0.5	↑ 0.5	16.2	18.7	↑ 2.5	5.4	5.9	↑ 0.5	119	96	↓ -23
Ermelo	11.0	10.9	↓ -0.1	25.5	28.3	↑ 2.7	-2.9	-5.3	↓ -2.4	19.9	20.4	↑ 0.5	3.1	2.6	↓ -0.5	5	3	↓ -3
Franschhoek	12.5	14.0	↑ 1.5	29.2	31.6	↑ 2.5	3.9	4.5	↑ 0.6	17.4	19.9	↑ 2.5	8.2	9.5	↑ 1.3	79	85	↑ 5
Greyton	11.4	12.2	↑ 0.8	29.5	31.6	↑ 2.2	-0.8	0.0	↑ 0.8	18.5	20.6	↑ 2.1	5.0	5.2	↑ 0.3	38	23	↓ -15
Joubertina	11.5	12.6	↑ 1.1	30.5	30.3	↓ -0.2	0.0	1.7	↑ 1.7	18.5	20.9	↑ 2.4	5.5	5.9	↑ 0.3	51	9	↓ -43
Koue Bokkeveld	8.9	10.0	↑ 1.1	24.6	25.1	↑ 0.5	-2.1	-1.3	↑ 0.8	15.4	17.5	↑ 2.2	3.1	3.2	↑ 0.2	57	21	↓ -36
Ladismith	11.4	13.8	↑ 2.4	29.3	31.6	↑ 2.3	0.6	-1.7	↓ -2.3	18.5	21.2	↑ 2.8	5.7	5.7	↓ -0.1	37	6	↓ -30
Misgund	10.0	10.8	↑ 0.9	28.7	29.3	↑ 0.6	-3.4	-2.2	↑ 1.2	16.9	19.3	↑ 2.4	3.8	2.5	↓ -1.3	124	22	↓ -102
Montagu	11.7	12.1	↑ 0.3	29.0	32.1	↑ 3.1	-2.2	-0.6	↑ 1.6	19.8	21.5	↑ 1.7	4.5	4.1	↓ -0.5	33	5	↓ -28
Nuy	13.3	12.4	↓ -0.8	26.8	31.2	↑ 4.5	4.7	-0.5	↓ -5.2	18.9	21.4	↑ 2.5	8.5	4.9	↓ -3.5	33	13	↓ -20
Piketberg	10.5	12.3	↑ 1.8	26.1	26.6	↑ 0.5	2.9	3.9	↑ 1.1	14.3	16.1	↑ 1.8	6.8	8.7	↑ 1.9	97	73	↓ -24
Robertson	11.8	12.9	↑ 1.1	28.8	33.8	↑ 4.9	-1.4	-0.9	↑ 0.5	19.8	21.9	↑ 2.1	4.7	5.5	↑ 0.7	20	13	↓ -6
Simondium	13.0	14.6	↑ 1.6	29.5	31.5	↑ 2.0	4.7	4.8	↑ 0.1	17.5	19.8	↑ 2.4	8.8	10.2	↑ 1.3	125	83	↓ -42
Stellenbosch	12.3	14.0	↑ 1.7	28.4	31.0	↑ 2.6	3.0	3.9	↑ 0.8	17.1	19.4	↑ 2.3	7.9	9.3	↑ 1.4	120	101	↓ -20
Tulbagh	11.8	16.0	↑ 4.2	26.6	31.2	↑ 4.6	1.3	3.3	↑ 2.0	18.0	23.9	↑ 6.0	6.1	8.5	↑ 2.4	115	83	↓ -32
Villiersdorp	12.0	12.5	↑ 0.5	25.8	31.3	↑ 5.5	1.9	1.0	↓ -0.9	17.3	19.8	↑ 2.5	6.7	6.6	↓ -0.1	75	71	↓ -4
Vrystaat	10.3	13.6	↑ 3.3	25.6	28.9	↑ 3.3	-2.5	2.6	↑ 5.1	19.7	19.2	↓ -0.6	2.5	8.8	↑ 6.3	3	3	↑ 0
Vyeboom	11.8	10.3	↓ -1.5	26.5	25.1	↓ -1.4	0.3	-3.5	↓ -3.8	16.8	20.8	↑ 4.0	7.0	1.5	↓ -5.5	117	78	↓ -39
Waterberg	16.3	13.4	↓ -2.9	29.2	31.1	↑ 1.8	3.1	1.9	↓ -1.2	24.1	19.6	↓ -4.6	8.6	7.9	↓ -0.6	0	78	↑ 78
WBV - Noord	10.6	11.2	↑ 0.6	26.5	28.2	↑ 1.7	-1.1	0.0	↑ 1.1	18.0	19.3	↑ 1.3	4.0	4.3	↑ 0.3	33	110	↑ 77
WBV - Suid	10.1	10.9	↑ 0.7	26.6	27.4	↑ 0.9	-1.3	1.0	↑ 2.3	17.8	18.0	↑ 0.2	3.7	4.8	↑ 1.1	76	166	↑ 91
Wellington	13.1	14.5	↑ 1.4	28.2	30.0	↑ 1.8	6.4	6.1	↓ -0.3	17.3	19.2	↑ 1.9	9.6	9.7	↑ 0.1	56	63	↑ 7
Wolseley	11.5	13.1	↑ 1.6	30.0	30.9	↑ 0.9	1.0	2.2	↑ 1.2	19.1	20.7	↑ 1.6	4.5	6.9	↑ 2.4	53	94	↑ 41

Accumulated Richardson cold units until Aug 2020 - 2023

Accumulated Richardson units to date (31 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	1121	04 May 2021	618	29 March 2022	1177	25 March 2023	1403	↑ 226
Elgin	12 April 2020	856	27 April 2021	875	14 April 2022	844	07 April 2023	953	↑ 109
Ermelo	31 March 2020	924	15 April 2021	1039	06 April 2022	1190	07 May 2023	860	↓ -330
Franschhoek	22 May 2020	499	22 June 2021	536	13 June 2022	424	15 May 2023	531	↑ 107
Greyton	12 May 2020	713	15 May 2021	614	18 May 2022	628	10 May 2023	731	↑ 103
Joubertina	10 May 2020	844	10 May 2021	847	14 April 2022	547	11 May 2023	857	↑ 310
Koue Bokkeveld	05 April 2020	1159	26 April 2021	1270	29 March 2022	1234	07 April 2023	1595	↑ 361
Ladismith	25 May 2020	470	15 May 2021	591	23 April 2022	754	27 April 2023	748	↓ -6
Misgund	25 March 2020	951	26 April 2021	825	04 April 2022	1033	25 March 2023	1215	↑ 182
Montagu	22 May 2020	572	15 May 2021	667	19 May 2022	555	07 May 2023	742	↑ 187
Nuy	12 May 2020	552	15 May 2021	500	26 May 2022	506	27 April 2023	583	↑ 77
Piketberg	09 June 2020	753	14 May 2021	1063	05 May 2022	881	07 April 2023	1307	↑ 426
Robertson*	13 May 2020	520	15 May 2021	524	26 May 2022	487	11 May 2023	567	↑ 80
Simondium	21 May 2020	566	15 May 2021	651	12 June 2022	445	15 May 2023	397	↓ -48
Stellenbosch	09 June 2020	439	22 June 2021	561	02 July 2022	397	14 May 2023	478	↑ 81
Tulbagh	Pre-station date	-	22 June 2021	642	13 June 2022	542	28 April 2023	779	↑ 237
Villiersdorp	12 May 2020	616	15 May 2021	622	18 May 2022	493	10 May 2023	644	↑ 151
Vrystaat	01 April 2020	1020	15 April 2021	1132	05 April 2022	1233	09 April 2023	998	↓ -235
Vyeboom	12 May 2020	791	15 May 2021	552	18 May 2022	608	10 May 2023	599	↓ -9
Waterberg	26 May 2020	198	30 May 2021	175	31 May 2022	104	10 June 2023	197	↑ 93
WBV - Noord	27 April 2020	966	06 May 2021	962	22 April 2022	898	19 April 2023	1122	↑ 224
WBV - Suid	27 April 2020	1063	27 April 2021	1166	14 April 2022	1107	08 April 2023	1133	↑ 26
Wellington	09 June 2020	195	22 June 2021	424	13 June 2022	201	24 May 2023	377	↑ 176
Wolseley	12 May 2020	619	08 May 2021	656	18 May 2022	639	30 April 2023	775	↑ 136

*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.

*Different station than in Aug 2022 report

Accumulated Infruitec cold units until Aug 2020 - 2023

Accumulated Infruitec units to date (31 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	1514	↑ 148
Elgin	12 April 2020	967	27 April 2021	960	14 April 2022	957	07 April 2023	1038	↑ 81
Ermelo	31 March 2020	985	15 April 2021	1076	06 April 2022	1230	07 May 2023	887	↓ -343
Franschhoek	22 May 2020	588	22 June 2021	558	13 June 2022	485	15 May 2023	619	↑ 134
Greyton	12 May 2020	816	15 May 2021	768	18 May 2022	767	10 May 2023	823	↑ 56
Joubertina	10 May 2020	888	10 May 2021	898	14 April 2022	774	11 May 2023	892	↑ 118
Koue Bokkeveld	05 April 2020	1292	26 April 2021	1321	29 March 2022	1345	07 April 2023	1681	↑ 336
Ladismith	25 May 2020	679	15 May 2021	842	23 April 2022	872	27 April 2023	846	↓ -26
Misgund	25 March 2020	1079	26 April 2021	978	04 April 2022	1171	25 March 2023	1333	↑ 162
Montagu	22 May 2020	654	15 May 2021	756	19 May 2022	638	07 May 2023	787	↑ 149
Nuy	12 May 2020	663	15 May 2021	643	26 May 2022	576	27 April 2023	677	↑ 101
Piketberg	09 June 2020	941	14 May 2021	1262	05 May 2022	1237	07 April 2023	1528	↑ 291
Robertson*	13 May 2020	623	15 May 2021	651	05 May 2022	556	11 May 2023	653	↑ 97
Simondium	21 May 2020	660	15 May 2021	778	12 June 2022	541	15 May 2023	568	↑ 27
Stellenbosch	09 June 2020	542	22 June 2021	606	02 July 2022	449	14 May 2023	636	↑ 187
Tulbagh	Pre-station date	-	22 June 2021	685	13 June 2022	645	28 April 2023	819	↑ 174
Villiersdorp	12 May 2020	804	15 May 2021	827	18 May 2022	748	10 May 2023	792	↑ 44
Vrystaat	01 April 2020	1048	15 April 2021	1146	05 April 2022	1238	09 April 2023	1034	↓ -204
Vyeboom	12 May 2020	858	15 May 2021	658	18 May 2022	747	10 May 2023	711	↓ -36
Waterberg	26 May 2020	273	30 May 2021	302	31 May 2022	194	10 June 2023	255	↑ 61
WBV - Noord	27 April 2020	1021	06 May 2021	1034	22 April 2022	968	19 April 2023	1168	↑ 200
WBV - Suid	27 April 2020	1086	27 April 2021	1193	14 April 2022	1132	08 April 2023	1156	↑ 24
Wellington	09 June 2020	244	22 June 2021	510	13 June 2022	341	24 May 2023	549	↑ 208
Wolseley	12 May 2020	619	08 May 2021	656	18 May 2022	749	30 April 2023	819	↑ 70

*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.

*Different station than in Aug 2022 report

Accumulated Chill Portions until Aug 2020 - 2023

Accumulated Chill Portions ¹ to date (31 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	70	22 March 2021	46	14 March 2022	75	26 March 2023	80	↑ 5
Elgin	06 April 2020	55	29 April 2021	59	06 April 2022	61	08 April 2023	64	↑ 3
Ermelo	18 March 2020	53	21 April 2021	60	05 April 2022	69	28 March 2023	59	↓ -10
Franschhoek	07 April 2020	37	17 May 2021	42	07 April 2022	36	12 May 2023	43	↑ 7
Greyton	07 April 2020	43	30 April 2021	44	16 April 2022	48	09 April 2023	49	↑ 1
Joubertina	27 March 2020	47	20 April 2021	51	15 March 2022	44	10 April 2023	51	↑ 7
Koue Bokkeveld	06 April 2020	58	30 April 2021	68	05 April 2022	73	12 March 2023	86	↑ 13
Ladismith	07 April 2020	36	30 April 2021	51	08 April 2022	52	09 April 2023	52	↑ 0
Misgund	26 March 2020	57	09 March 2021	62	14 March 2022	68	27 March 2023	72	↑ 4
Montagu	26 May 2020	33	30 April 2021	44	16 April 2022	39	22 April 2023	45	↑ 6
Nuy	07 April 2020	34	17 May 2021	39	16 April 2022	43	09 April 2023	41	↓ -2
Piketberg	06 April 2020	54	29 April 2021	61	05 April 2022	64	30 March 2023	76	↑ 12
Robertson*	07 April 2020	36	08 April 2021	38	20 April 2022	39	09 April 2023	47	↑ 8
Simondium	07 April 2020	38	17 May 2021	46	07 April 2022	42	22 April 2023	39	↓ -3
Stellenbosch	07 April 2020	35	30 April 2021	47	25 April 2022	43	18 May 2023	41	↓ -2
Tulbagh	Pre-station date	-	30 April 2021	48	07 April 2022	48	21 April 2023	49	↑ 1
Villiersdorp	07 April 2020	45	29 April 2021	49	07 April 2022	50	31 March 2023	53	↑ 3
Vrystaat	18 March 2020	66	22 April 2021	62	05 April 2022	71	12 April 2023	58	↓ -13
Vyeboom	06 April 2020	52	30 April 2021	48	07 April 2022	52	08 April 2023	52	↑ 0
Waterberg	12 June 2020	14	19 May 2021	18	04 June 2022	14	17 May 2023	15	↑ 1
WBV - Noord	07 April 2020	50	08 May 2021	54	25 April 2022	53	21 April 2023	63	↑ 10
WBV - Suid	07 April 2020	46	08 May 2021	63	06 April 2022	60	21 April 2023	55	↓ -5
Wellington	26 May 2020	26	22 May 2021	35	20 May 2022	28	22 April 2023	38	↑ 10
Wolseley	07 April 2020	39	18 May 2021	43	25 April 2022	46	22 April 2023	51	↑ 5

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

*Different station than in Aug 2022 report

Accumulated Heat Units and Growing Degree Days Jul - Aug 2022/23

Area	1 Jul - 31 Aug			1 Jul - 31 Aug		
	GDD (2022)	GDD (2023)	GDD (22 vs 23)	HU (2022)	HU (2023)	HU (22 vs 23)
Avontuur	-6	-20	↓ -14	3201	3705	↑ 504
Elgin	49	77	↑ 27	3492	3717	↑ 225
Ermelo	48	16	↓ -32	3958	3904	↓ -54
Franschhoek	191	213	↑ 22	4549	4946	↑ 398
Greyton	116	119	↑ 3	4371	3979	↓ -393
Joubertina	200	133	↓ -67	5391	4414	↓ -977
Koue Bokkeveld	-48	-44	↑ 4	3359	3747	↑ 388
Ladismith	161	115	↓ -46	5535	5522	↓ -13
Misgund	18	-2	↓ -20	3480	3832	↑ 352
Montagu	122	92	↓ -30	3770	3713	↓ -57
Nuy	98	109	↑ 10	4822	4575	↓ -248
Piketberg	41	100	↑ 59	3817	4406	↑ 589
Robertson	139	137	↓ -2	3580	4202	↑ 623
Simondium	210	231	↑ 21	5337	5221	↓ -116
Stellenbosch	169	196	↑ 27	4934	5457	↑ 523
Tulbagh	125	131	↑ 6	4450	4887	↑ 437
Villiersdorp	128	167	↑ 40	4424	4387	↓ -37
Vrystaat	23	-6	↓ -29	3638	4396	↑ 759
Vyeboom	136	160	↑ 23	4193	4833	↑ 640
Waterberg	335	285	↓ -50	8323	7607	↓ -716
WBV - Noord	57	62	↑ 5	3526	3467	↓ -59
WBV - Suid	27	38	↑ 11	3007	2798	↓ -209
Wellington	224	221	↓ -3	5161	5583	↑ 422
Wolseley	121	152	↑ 31	4359	4456	↑ 98

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		