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Temperature and Rainfall report for JULY 2022 vs 2021

Area	JULY																	
	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	9.8	10.7	↑ 1.0	24.8	27.3	↑ 2.5	-1.2	-0.8	↑ 0.4	15.9	16.9	↑ 1.0	4.3	4.7	↑ 0.4	157	64	↓ -93
Ermelo	6.8	9.4	↑ 2.6	22.5	21.5	↓ -1.1	-8.5	-3.7	↑ 4.9	16.1	18.0	↑ 1.9	-1.3	2.3	↑ 3.7	2	8	↑ 6
Franschhoek	11.3	12.6	↑ 1.4	25.3	25.9	↑ 0.6	3.2	3.8	↑ 0.5	17.2	18.0	↑ 0.8	7.1	8.8	↑ 1.7	112	74	↓ -38
Greyton	10.4	11.4	↑ 1.1	25.5	28.2	↑ 2.7	-0.2	1.6	↑ 1.8	17.6	18.6	↑ 1.0	4.1	5.3	↑ 1.2	77	25	↓ -51
Koue Bokkeveld	6.9	8.2	↑ 1.3	22.8	23.2	↑ 0.4	-2.8	-4.5	↓ -1.8	14.2	14.9	↑ 0.6	1.2	2.3	↑ 1.0	131	30	↓ -101
Ladismith	9.4	10.9	↑ 1.5	24.0	26.1	↑ 2.1	-2.5	1.4	↑ 3.9	17.2	18.4	↑ 1.2	2.5	5.0	↑ 2.5	45	9	↓ -36
Langkloof - Oos	9.2	10.4	↑ 1.1	26.8	24.4	↓ -2.4	-1.9	1.7	↑ 3.6	18.0	17.5	↓ -0.5	2.4	5.1	↑ 2.7	47	34	↓ -13
Langkloof - Wes	8.1	10.2	↑ 2.0	24.2	23.9	↓ -0.3	-3.3	-1.7	↑ 1.6	15.5	16.1	↑ 0.6	1.6	4.0	↑ 2.5	30	30	↓ -1
Montagu	8.9	10.7	↑ 1.8	26.4	28.7	↑ 2.3	-2.3	-1.0	↑ 1.4	17.8	19.7	↑ 1.9	2.1	3.7	↑ 1.6	68	7	↓ -61
Nuy	10.3	13.8	↑ 3.5	25.9	29.3	↑ 3.5	0.7	6.0	↑ 5.3	17.7	19.2	↑ 1.5	4.3	9.4	↑ 5.1	28	13	↓ -15
Piketberg	9.0	10.7	↑ 1.6	22.4	23.3	↑ 0.9	0.9	3.9	↑ 3.1	13.2	14.3	↑ 1.1	5.7	7.2	↑ 1.5	145	52	↓ -93
Robertson	9.4	10.7	↑ 1.4	25.0	28.5	↑ 3.5	-1.4	0.5	↑ 1.9	17.8	19.3	↑ 1.5	2.8	3.7	↑ 0.9	49	2	↓ -47
Simondium	10.7	13.2	↑ 2.5	25.5	26.3	↑ 0.8	3.0	4.7	↑ 1.7	17.0	18.0	↑ 1.0	5.4	9.1	↑ 3.7	138	94	↓ -45
Stellenbosch	11.4	12.6	↑ 1.1	24.2	26.0	↑ 1.8	2.4	4.1	↑ 1.7	16.6	17.8	↑ 1.2	7.4	8.1	↑ 0.7	127	69	↓ -58
Tulbagh	11.1	11.4	↑ 0.3	25.8	26.3	↑ 0.5	1.9	0.7	↓ -1.2	17.0	18.5	↑ 1.4	6.9	5.5	↓ -1.4	207	29	↓ -178
Villiersdorp	11.1	12.1	↑ 0.9	26.0	25.4	↓ -0.6	1.1	1.9	↑ 0.8	16.4	17.4	↑ 0.9	6.4	6.8	↑ 0.4	105	24	↓ -81
Vrystaat	6.2	8.6	↑ 2.4	20.6	22.4	↑ 1.8	-7.7	-3.5	↑ 4.2	15.9	17.9	↑ 2.0	-1.4	1.3	↑ 2.7	0	10	↑ 10
Vyeboom	11.0	12.0	↑ 1.0	24.9	26.7	↑ 1.8	0.0	0.9	↑ 0.9	16.2	17.4	↑ 1.2	6.1	6.9	↑ 0.8	162	69	↓ -93
Waterberg	12.6	14.1	↑ 1.6	26.7	25.4	↓ -1.3	-0.1	2.2	↑ 2.3	20.3	21.4	↑ 1.1	6.1	7.4	↑ 1.4	0	3	↑ 3
WBV - Noord	8.6	10.1	↑ 1.5	22.4	25.1	↑ 2.7	-0.6	-0.7	↓ -0.1	15.8	17.7	↑ 1.9	3.4	3.9	↑ 0.6	76	12	↓ -64
WBV - Suid	7.7	9.1	↑ 1.5	22.2	25.3	↑ 3.1	-1.4	-1.5	↓ -0.1	15.4	17.1	↑ 1.7	1.8	3.2	↑ 1.4	141	22	↓ -118
Wellington	12.2	13.5	↑ 1.3	25.1	25.7	↑ 0.6	4.2	6.2	↑ 2.0	16.5	17.5	↑ 1.0	8.8	10.0	↑ 1.2	99	55	↓ -44
Wolseley	10.4	11.6	↑ 1.2	26.0	27.5	↑ 1.5	-0.2	-0.9	↓ -0.7	16.9	19.0	↑ 2.0	4.9	5.4	↑ 0.5	133	39	↓ -94

Accumulated Richardson cold units until 31 July 2019 - 2022

Area	Accumulated Richardson units to date (31 Jul 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	445	12 April 2020	538	27 April 2021	578	14 April 2022	577	↓ -1
Ermelo	Pre-station date	-	31 March 2020	743	15 April 2021	845	06 April 2022	997	↑ 152
Franschhoek	03 June 2019	257	22 May 2020	248	22 June 2021	336	13 June 2022	231	↓ -105
Greyton	16 May 2019	286	12 May 2020	440	15 May 2021	371	18 May 2022	426	↑ 56
Koue Bokkeveld	19 May 2019	847	05 April 2020	745	26 April 2021	888	29 March 2022	873	↓ -15
Ladismith	21 June 2019	193	25 May 2020	241	15 May 2021	322	23 April 2022	498	↑ 176
Langkloof - Oos	15 May 2019	446	10 May 2020	514	15 May 2021	552	21 April 2022	640	↑ 88
Langkloof - Wes	21 June 2019	177	09 June 2020	216	15 May 2021	440	18 May 2022	380	↓ -60
Montagu	15 May 2019	216	22 May 2020	339	15 May 2021	420	19 May 2022	413	↓ -7
Nuy	Pre-station date	-	12 May 2020	330	15 May 2021	293	26 May 2022	360	↑ 67
Piketberg	29 May 2019	512	09 June 2020	361	14 May 2021	706	05 May 2022	485	↓ -222
Robertson	15 May 2019	275	13 May 2020	434	15 May 2021	424	05 May 2022	494	↑ 70
Simondium	30 May 2019	336	21 May 2020	293	15 May 2021	404	12 June 2022	236	↓ -168
Stellenbosch	11 June 2019	251	09 June 2020	165	22 June 2021	327	02 July 2022	184	↓ -143
Tulbagh	Pre-station date	-	Pre-station date	-	22 June 2021	361	13 June 2022	308	↓ -53
Villiersdorp	30 May 2019	225	12 May 2020	318	15 May 2021	355	18 May 2022	295	↓ -60
Vrystaat	15 April 2019	648	01 April 2020	801	15 April 2021	853	05 April 2022	1014	↑ 161
Vyeboom	03 May 2019	395	12 May 2020	500	15 May 2021	422	18 May 2022	400	↓ -22
Waterberg	08 June 2019	37	26 May 2020	209	30 May 2021	178	31 May 2022	107	↓ -71
WBV - Noord	02 May 2019	626	27 April 2020	639	06 May 2021	630	22 April 2022	626	↓ -5
WBV - Suid	30 April 2019	763	27 April 2020	724	27 April 2021	828	14 April 2022	808	↓ -20
Wellington	05 June 2019	325	09 June 2020	299	22 June 2021	349	13 June 2022	230	↓ -120
Wolseley	04 June 2019	150	12 May 2020	386	08 May 2021	417	18 May 2022	385	↓ -32

*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 31 July 2019 - 2022

Accumulated Infruitec units to date (31 Jul 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	547	12 April 2020	643	27 April 2021	663	14 April 2022	689	↑ 27
Ermelo	Pre-station date	-	31 March 2020	788	15 April 2021	860	06 April 2022	1016	↑ 157
Franschhoek	03 June 2019	291	22 May 2020	328	22 June 2021	347	13 June 2022	282	↓ -65
Greyton	16 May 2019	384	12 May 2020	542	15 May 2021	522	18 May 2022	555	↑ 33
Koue Bokkeveld	19 May 2019	915	05 April 2020	854	26 April 2021	939	29 March 2022	965	↑ 26
Ladismith	21 June 2019	250	25 May 2020	421	15 May 2021	543	23 April 2022	584	↑ 41
Langkloof - Oos	15 May 2019	494	10 May 2020	558	15 May 2021	588	21 April 2022	694	↑ 106
Langkloof - Wes	21 June 2019	244	09 June 2020	368	15 May 2021	616	18 May 2022	587	↓ -30
Montagu	15 May 2019	317	22 May 2020	412	15 May 2021	508	19 May 2022	471	↓ -38
Nuy	Pre-station date	-	12 May 2020	438	15 May 2021	430	26 May 2022	424	↓ -6
Piketberg	29 May 2019	668	09 June 2020	471	14 May 2021	901	05 May 2022	813	↓ -88
Robertson	15 May 2019	342	13 May 2020	477	15 May 2021	515	05 May 2022	556	↑ 42
Simondium	30 May 2019	371	21 May 2020	377	15 May 2021	522	12 June 2022	315	↓ -207
Stellenbosch	11 June 2019	305	09 June 2020	262	22 June 2021	360	02 July 2022	225	↓ -136
Tulbagh	Pre-station date	-	Pre-station date	-	22 June 2021	396	13 June 2022	402	↑ 6
Villiersdorp	30 May 2019	327	12 May 2020	487	15 May 2021	545	18 May 2022	511	↓ -34
Vrystaat	15 April 2019	671	01 April 2020	829	15 April 2021	862	05 April 2022	1019	↑ 157
Vyeboom	03 May 2019	478	12 May 2020	555	15 May 2021	551	18 May 2022	525	↓ -26
Waterberg	08 June 2019	76	26 May 2020	245	30 May 2021	271	31 May 2022	176	↓ -95
WBV - Noord	02 May 2019	653	27 April 2020	694	06 May 2021	701	22 April 2022	696	↓ -6
WBV - Suid	30 April 2019	648	27 April 2020	745	27 April 2021	854	14 April 2022	833	↓ -22
Wellington	05 June 2019	348	09 June 2020	320	22 June 2021	363	13 June 2022	262	↓ -101
Wolseley	04 June 2019	238	12 May 2020	455	08 May 2021	521	18 May 2022	460	↓ -61

*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 31 July 2019 - 2022

Accumulated Chill Portions ¹ to date (31 Jul 2022)									
Area	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	35	06 April 2020	38	29 April 2021	41	06 April 2022	43	↑ 2
Ermelo	Pre-station date	-	18 March 2020	41	21 April 2021	47	05 April 2022	58	↑ 11
Franschhoek	15 April 2019	22	07 April 2020	22	17 May 2021	28	07 April 2022	23	↓ -5
Greyton	15 April 2019	28	07 April 2020	28	30 April 2021	29	16 April 2022	34	↑ 5
Koue Bokkeveld	14 April 2019	46	06 April 2020	37	30 April 2021	50	05 April 2022	54	↑ 4
Ladismith	16 April 2019	22	07 April 2020	24	30 April 2021	36	08 April 2022	36	↑ 0
Langkloof - Oos	02 April 2019	34	07 April 2020	29	30 April 2021	34	07 April 2022	39	↑ 5
Langkloof - Wes	15 April 2019	27	07 April 2020	28	03 April 2021	36	07 April 2022	43	↑ 7
Montagu	24 May 2019	19	26 May 2020	20	30 April 2021	29	16 April 2022	28	↓ -1
Nuy	Pre-station date	-	07 April 2020	21	17 May 2021	27	16 April 2022	31	↑ 4
Piketberg	05 April 2019	41	06 April 2020	34	29 April 2021	44	05 April 2022	46	↑ 2
Robertson	15 April 2019	27	07 April 2020	24	08 April 2021	33	20 April 2022	27	↓ -6
Simondium	15 April 2019	25	07 April 2020	23	17 May 2021	31	07 April 2022	27	↓ -4
Stellenbosch	15 April 2019	23	07 April 2020	21	30 April 2021	31	25 April 2022	27	↓ -4
Tulbagh	Pre-station date	-	Pre-station date	-	30 April 2021	31	07 April 2022	32	↑ 1
Villiersdorp	14 April 2019	26	07 April 2020	28	29 April 2021	33	07 April 2022	34	↑ 1
Vrystaat	06 April 2019	42	18 March 2020	54	22 April 2021	47	05 April 2022	60	↑ 13
Vyeboom	14 April 2019	35	06 April 2020	36	30 April 2021	33	07 April 2022	37	↑ 4
Waterberg	15 June 2019	2	12 June 2020	12	19 May 2021	15	04 June 2022	11	↓ -4
WBV - Noord	05 April 2019	40	07 April 2020	33	08 May 2021	37	25 April 2022	37	↑ 0
WBV - Suid	05 April 2019	43	07 April 2020	30	08 May 2021	47	06 April 2022	44	↓ -3
Wellington	15 April 2019	21	26 May 2020	22	22 May 2021	22	20 May 2022	18	↓ -4
Wolseley	15 April 2019	19	07 April 2020	25	18 May 2021	29	25 April 2022	32	↑ 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.

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

Accumulated Heat Units and Growing Degree Days until 31 July

2021/22

Area	July			July		
	GDD (2021)	GDD (2022)	GDD (21 vs 22)	HU (2021)	HU (2022)	HU (21 vs 22)
Elgin	3	24	↑ 21	1536	1903	↑ 367
Ermelo	-81	2	↑ 83	1123	1493	↑ 370
Franschhoek	66	105	↑ 39	1803	2290	↑ 487
Greyton	27	61	↑ 34	1967	2221	↑ 254
Koue Bokkeveld	-71	-29	↑ 42	877	1221	↑ 344
Ladismith	5	71	↑ 66	2089	2599	↑ 510
Langkloof - Oos	-	59	-	-	2248	-
Langkloof - Wes	-46	2	↑ 48	1492	1694	↑ 202
Montagu	-2	54	↑ 55	1574	2137	↑ 563
Nuy	30	134	↑ 104	1745	2694	↑ 948
Piketberg	-17	23	↑ 40	909	1416	↑ 508
Robertson	9	47	↑ 38	1670	2117	↑ 447
Simondium	60	112	↑ 52	845	2639	↑ 1793
Stellenbosch	62	91	↑ 29	1848	2435	↑ 587
Tulbagh	62	87	↑ 25	1779	2186	↑ 407
Villiersdorp	44	65	↑ 21	1864	2227	↑ 363
Vrystaat	-85	-12	↑ 73	1069	1481	↑ 412
Vyeboom	35	67	↑ 32	1870	2263	↑ 393
Waterberg	100	138	↑ 38	2765	3452	↑ 687
WBV - Noord	-14	25	↑ 39	1137	1729	↑ 593
WBV - Suid	-45	4	↑ 49	903	1356	↑ 453
Wellington	82	117	↑ 35	2052	2704	↑ 652
Wolseley	28	62	↑ 34	1650	2089	↑ 439