



Seasonal Snapshot | Updates

October 2024



Seasonal Snapshot | Updates

October 2024

Temperature

Mean, Minimum and Maximum

Number of Hours above 30°C

Rainfall

Monthly Rainfall

Heat Units (HU) and Growing Degree Days (GDD)

HU and GDD for October 2024

Cumulative HU and GDD from July – October 2024



Temperature



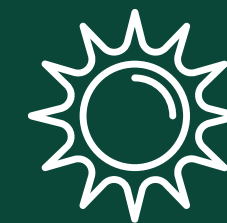
Temperature & Rainfall for 1 October – 31 October: 2023/24

** Different station than 2023's report



	Average Temperature				Maximum Temperature				Minimum Temperature				Avg Daily Maximum Temp				Avg Daily Minimum Temp				Total Rainfall			
Area	2024	2023	24 vs 23		2024	2023	24 vs 23		2024	2023	24 vs 23		2024	2023	24 vs 23		2024	2023	24 vs 23		2024	2023	24 vs 23	
Avontuur	13,9	12,8	1,0	▲	31,7	30,6	1,1	▲	0,0	0,5	-0,5	▼	21,4	18,9	2,5	▲	7,6	7,5	0,1	▲	139	40	99	▲
Elgin**	16,3	15,8	0,5	▲	32,7	27,8	4,9	▲	8,2	7,9	0,3	▲	21,8	20,8	1,0	▲	11,9	11,9	0,0	—	37	52	-15	▼
Ermelo**	15,5	16,1	-0,6	▼	26,2	32,3	-6,1	▼	0,4	2,7	-2,3	▼	19,9	23,3	-3,4	▼	11,4	10,3	1,1	▲	7	61	-54	▼
Franschhoek	19,1	18,8	0,3	▲	35,3	32,3	3,0	▲	8,1	9,0	-0,8	▼	25,6	25,1	0,5	▲	13,7	14,1	-0,4	▼	62	3	59	▲
Greyton**	17,1	16,6	0,4	▲	36,0	31,1	4,9	▲	2,0	4,2	-2,1	▼	24,7	23,5	1,2	▲	11,4	11,6	-0,2	▼	45	143	-98	▼
Joubertina	16,2	15,1	1,1	▲	35,1	30,1	5,0	▲	2,5	6,2	-3,7	▼	23,4	20,5	2,9	▲	10,2	10,4	-0,2	▼	70	42	28	▲
Koue Bokkeveld**	15,2	15,2	0,1	▲	30,1	30,2	0,0	—	-1,1	1,8	-2,9	▼	23,0	22,1	0,9	▲	7,2	8,2	-1,0	▼	50	1	49	▲
Ladismith**	17,3	15,8	1,5	▲	33,7	30,5	3,1	▲	4,6	5,1	-0,5	▼	24,2	21,6	2,6	▲	11,2	10,7	0,5	▲	109	38	71	▲
Misgund	14,4	13,6	0,8	▲	32,6	29,9	2,7	▲	1,2	4,7	-3,5	▼	21,6	18,9	2,7	▲	8,6	9,1	-0,5	▼	157	87	70	▲
Montagu	18,0	17,5	0,5	▲	37,8	32,5	5,3	▲	4,2	3,3	0,9	▲	27,0	25,3	1,7	▲	9,8	10,7	-0,9	▼	29	0	29	▲
Nuy**	17,8	17,1	0,6	▲	35,4	31,0	4,4	▲	4,1	2,8	1,4	▲	26,1	24,1	2,0	▲	9,5	10,5	-1,0	▼	25	24	1	▲
Piketberg**	17,3	17,4	-0,1	▼	34,7	33,9	0,8	▲	1,0	5,8	-4,8	▼	25,1	24,6	0,5	▲	9,9	10,0	-0,1	▼	64	1	64	▲
Robertson**	18,6	14,0	4,6	▲	39,1	33,0	6,1	▲	1,4	-6,3	7,7	▲	30,6	24,3	6,3	▲	9,0	3,2	5,8	▲	33	25	8	▲
Simondium	18,9	18,8	0,1	▲	35,8	33,7	2,1	▲	7,9	7,7	0,2	▲	24,8	24,4	0,4	▲	14,0	14,2	-0,2	▼	49	4	45	▲
Stellenbosch	18,1	18,9	-0,8	▼	34,4	33,4	1,0	▲	7,0	6,3	0,7	▲	25,4	25,1	0,3	▲	11,3	13,1	-1,8	▼	52	5	47	▲
Tulbagh	17,7	18,0	-0,3	▼	34,9	32,0	2,9	▲	1,9	5,1	-3,2	▼	25,2	25,1	0,1	▲	11,0	11,9	-0,9	▼	82	2	80	▲
Villiersdorp	17,1	16,7	0,4	▲	34,2	30,0	4,2	▲	7,0	5,5	1,5	▲	23,6	22,7	0,9	▲	12,0	11,8	0,2	▲	43	17	26	▲
Vrystaat**	15,9	16,0	-0,1	▼	33,5	31,3	2,2	▲	-0,7	0,8	-1,5	▼	24,7	23,7	1,0	▲	8,4	9,4	-1,0	▼	44	27	17	▲
Vyeboom**	16,7	16,4	0,3	▲	32,7	29,8	2,9	▲	6,9	5,7	1,2	▲	23,0	22,4	0,6	▲	11,8	11,6	0,2	▲	28	45	-17	▼
Waterberg	21,6	21,7	-0,1	▼	34,7	35,3	-0,6	▼	6,8	8,7	-1,8	▼	29,0	29,2	-0,2	▼	14,1	14,1	0,0	—	20	80	-60	▼
WBV - Noord	17,2	17,7	-0,5	▼	33,5	33,6	-0,1	▼	-0,2	2,6	-2,8	▼	26,2	26,0	0,2	▲	8,1	10,1	-2,0	▼	17	1	16	▲
WBV – Suid**	17,0	16,7	0,3	▲	33,6	31,9	1,5	▲	-0,2	2,6	-2,8	—	25,6	24,0	1,6	▲	8,7	9,5	-1,2	▲	34	3	31	▲
Wellington	19,1	19,4	-0,3	▼	36,1	35,6	0,5	▲	6,3	6,8	-0,5	▼	26,7	26,4	0,3	▲	12,4	13,1	-0,7	▼	22	4	18	▲
Wolseley	18,4	18,3	0,1	▲	34,8	34,9	-0,1	▼	2,4	6,9	-4,5	▼	26,4	26,0	0,4	▲	11,3	11,5	-0,2	▼	4	6	-2	▼

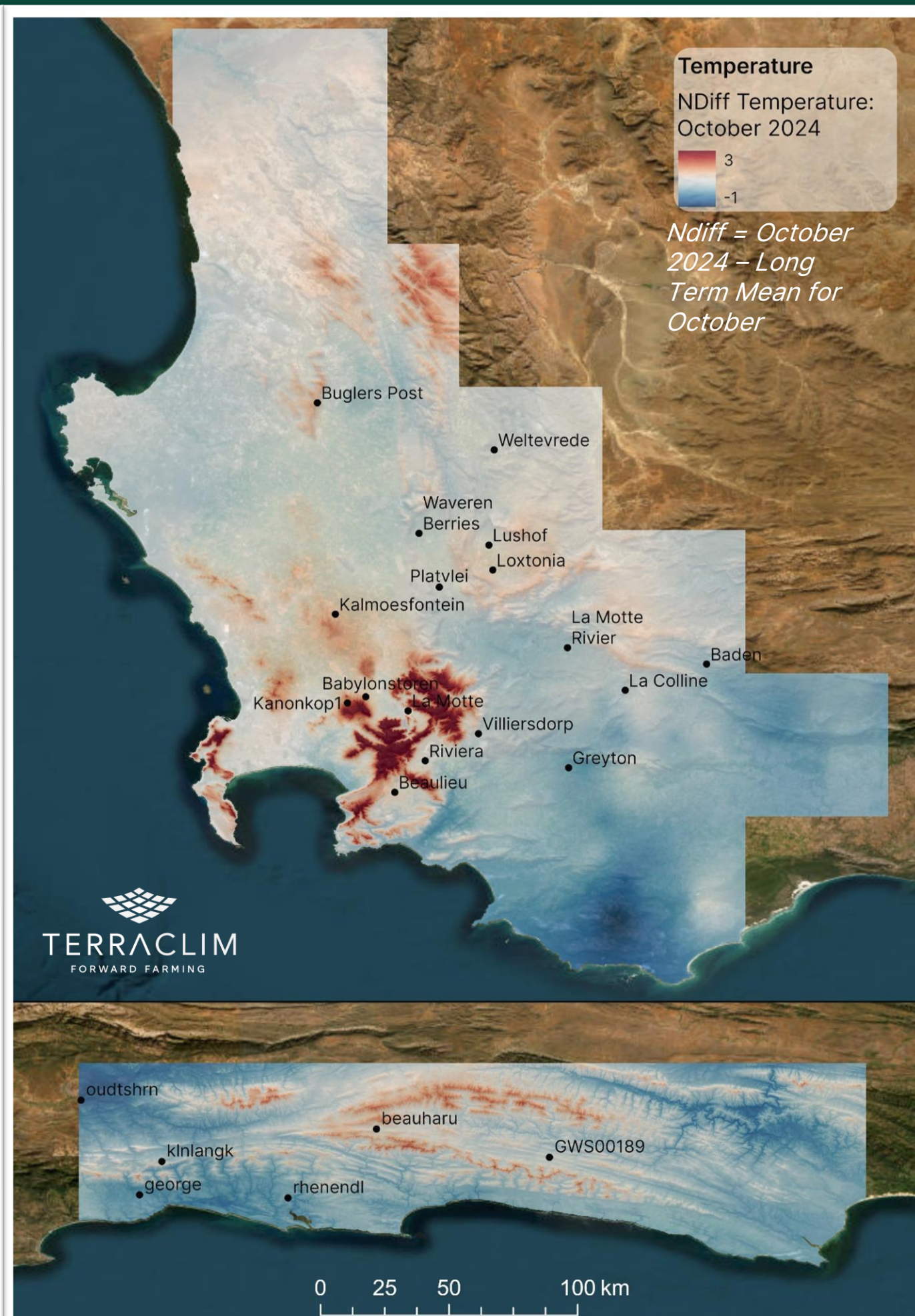
MEAN TEMPERATURE



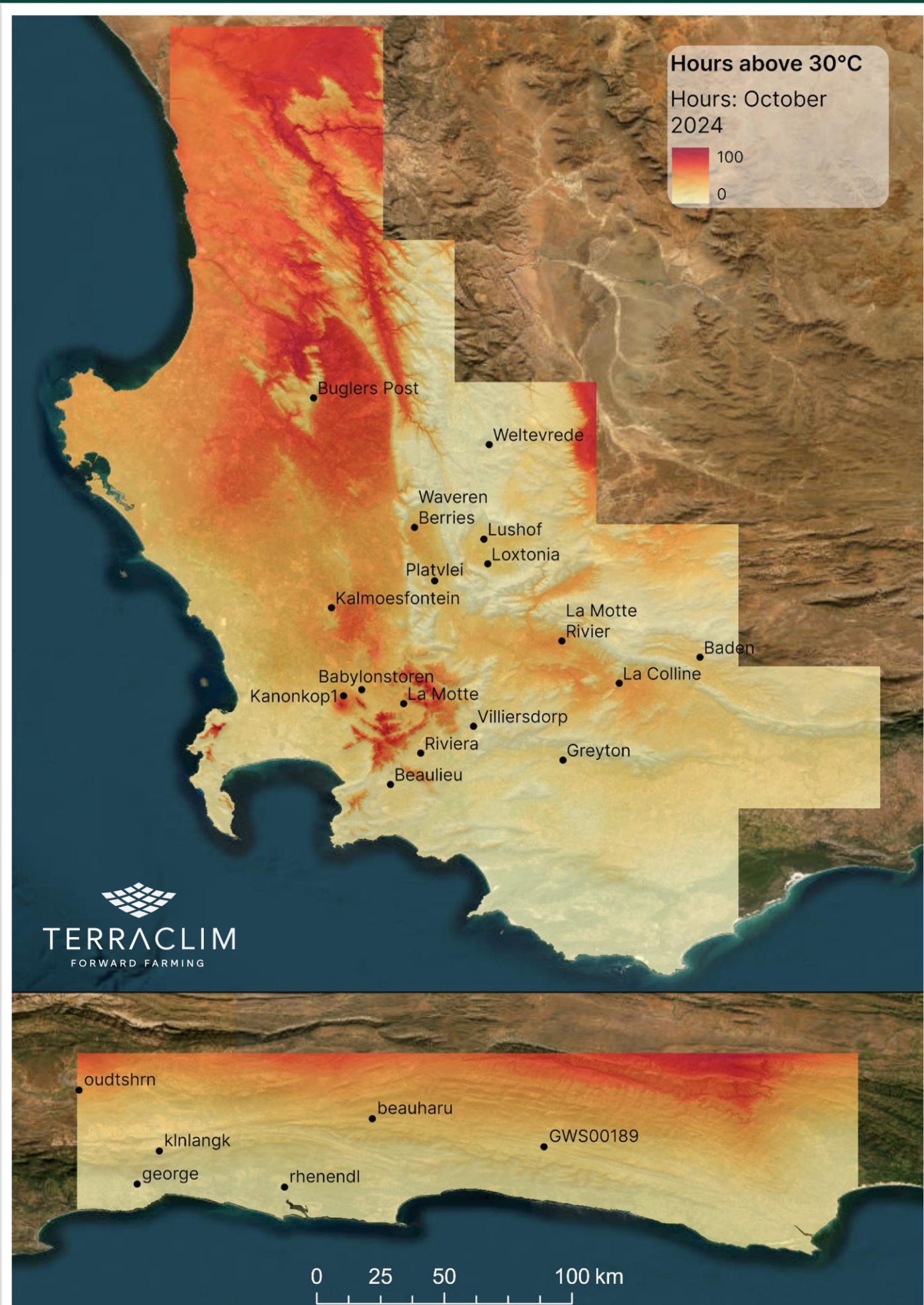
The mean temperature for October 2024 ranged between 10 – 25 °C.

Generally, the West Coast and Winelands have a warmer mean temperature.

Compared to the average mean temperature, October 2024 was warmer across the Winelands, the West Coast and parts of the Langkloof.



HOURS ABOVE 30 °C



The accumulated hours above 30 °C for October 2024 range between 0 – 100.

Generally, the West Coast and Winelands experienced more hours above 30 °C.

The hours above 30 °C were generally less compared to the long-term average of October.



Rainfall



HORTGRO

Growing Fruit IQ



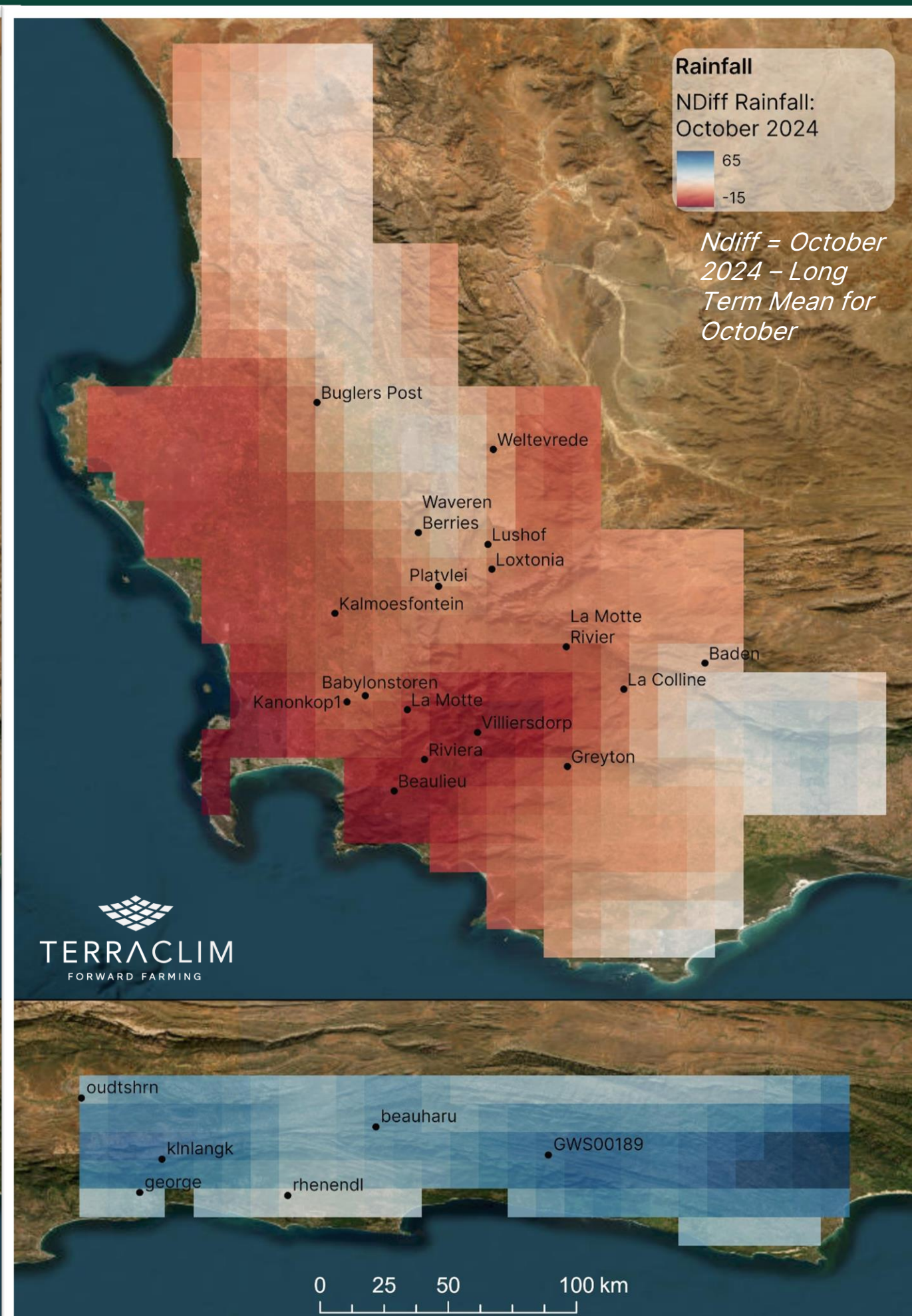


RAINFALL

The total rainfall for October 2024 ranged between 10 – 115mm.

The Langkloof had more rainfall (> 100mm) compared to the Winelands (~50mm).

Compared to the average rainfall, October 2024 had less rainfall in the Winelands and the West Coast, but more in the Langkloof.



Current Level:

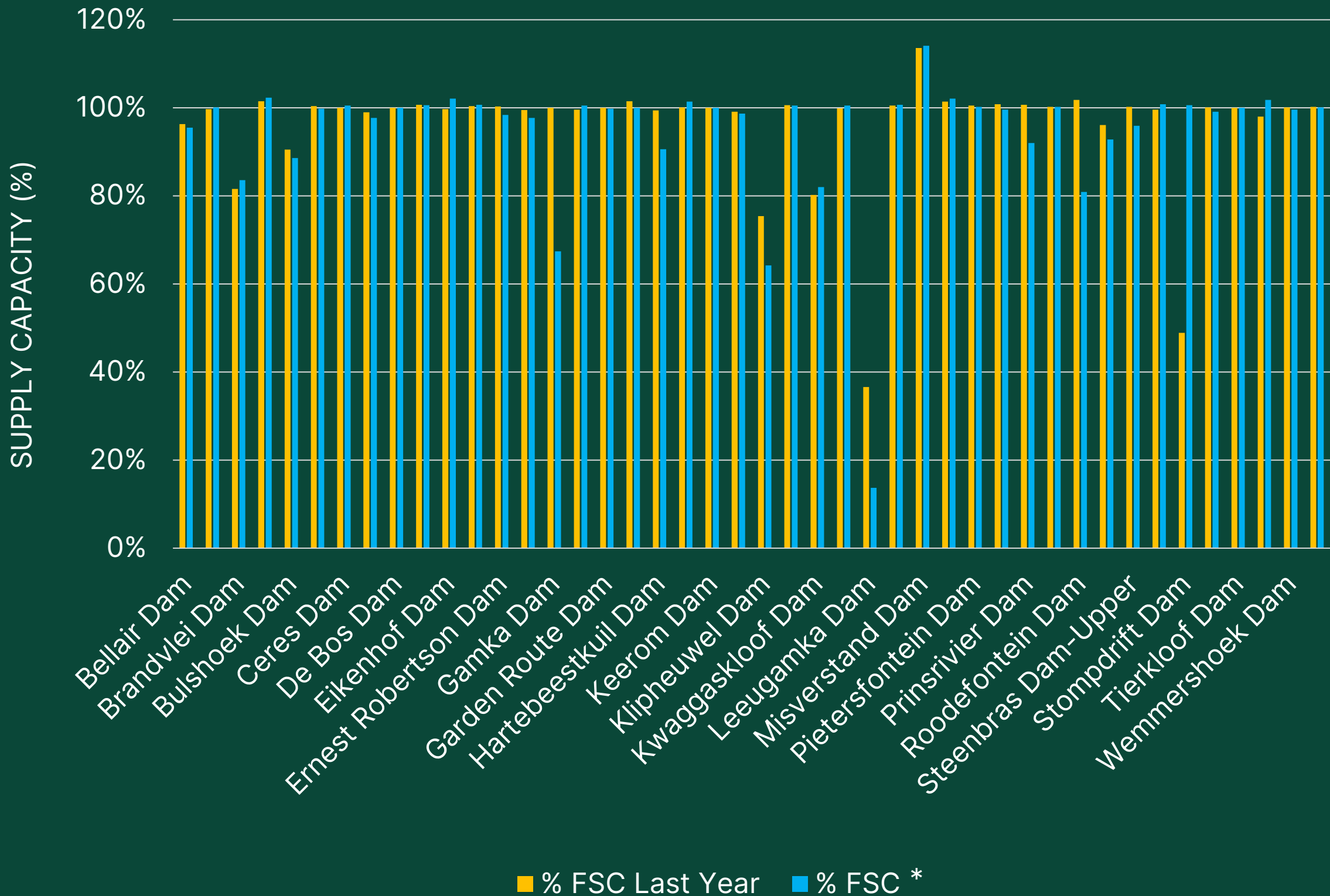
94.7% as of November 4th, 2024.

Dam levels in Cape Town are high due to heavy rainfall over the season.

This data is sourced from the Department of Water and Sanitation.



State of Western Cape Dams



*FULL SUPPLY CAPACITY

TerraClim | October Rainfall Update from SAWS



Rainfall (mm)





Heat Units and Growing Degree Days



HEAT UNITS (HU) & GROWING DEGREE DAYS (GDD) for 1 JULY – 31 OCTOBER: 2023/24

** Different station than 2023's report



Area	GDD				HEAT UNITS			
	2023	2024	2023 vs 2024		2023	2024	2023 vs 2024	
Avontuur	100	78	-22	▼	8101	7680	-421	▼
Elgin**	430	394	-35	▼	10406	9890	-516	▼
Ermelo**	487	503	16	▲	13954	14345	391	▲
Franschhoek	608	573	-35	▼	13963	13632	-331	▼
Greyton**	492	462	-30	▼	12247	11995	-252	▼
Joubertina	404	391	-14	▼	11035	11490	456	▲
Koue Bokkeveld**	90	26	-64	▼	8177	7591	-586	▼
Ladismith**	457	438	-20	▼	12487	11972	-514	▼
Misgund	263	219	-43	▼	8955	8678	-277	▼
Montagu	438	429	-9	▼	13123	13217	94	▲
Nuy**	378	351	-27	▼	12283	12212	-71	▼
Piketberg**	337	290	-47	▼	11318	10317	-1001	▼
Robertson**	137	479	342	▲	11765	13758	1993	▲
Simondium	557	539	-18	▼	13427	12916	-511	▼
Stellenbosch	572	484	-88	▼	14259	12743	-1516	▼
Tulbagh	471	461	-11	▼	12665	12437	-229	▼
Villiersdorp	475	451	-24	▼	12197	11737	-460	▼
Vrystaat**	394	407	13	▲	12651	12787	136	▲
Vyeboom**	425	419	-6	▼	11839	11231	-608	▼
Waterberg	984	1054	70	▲	24337	26113	1776	▲
WBV - Noord	357	273	-84	▼	11283	10776	-507	▼
WBV – Suid**	286	233	-53	▼	9559	10050	491	▲
Wellington	554	536	-18	▼	13801	13349	-452	▼
Wolseley	503	469	-35	▼	13062	12671	-390	▼



HEAT UNITS (HU): OCTOBER

More growing hours
were experienced this
month across the
coastal areas, compared
to inland.

This October
experienced cooler
conditions i.e. received
less growing hours for
the coastal areas while
inland/mountainous
areas received more.





HEAT UNITS (HU): JULY - OCTOBER

The accumulated growing hours ranged between 12000 and 37000.

More growing hours were experienced this season across the coastal areas.

Compared to the average growing hours experienced, this season was cooler in the Winelands, West Coast, and Langkloof.



GROWING DEGREE DAYS (GDD): OCTOBER



The growing days ranged between 80 – 400. Inland, mountainous areas experienced the fewest growing days while the West Coast had some of the highest.

Compared to previous years, majority of the region experienced fewer growing days while only the mountainous parts of the Winelands received more.





GROWING DEGREE DAYS (GDD): JULY - OCTOBER



The accumulated growing degree days ranged between 120 and 800.

More growing degree days were experienced this season across the coastal areas, compared to the inland areas.

Compared to the average growing degree days experienced, this season was cooler in the Winelands, West Coast, and Langkloof.

Stations used in this report (1 October – 31 October): 2023/24

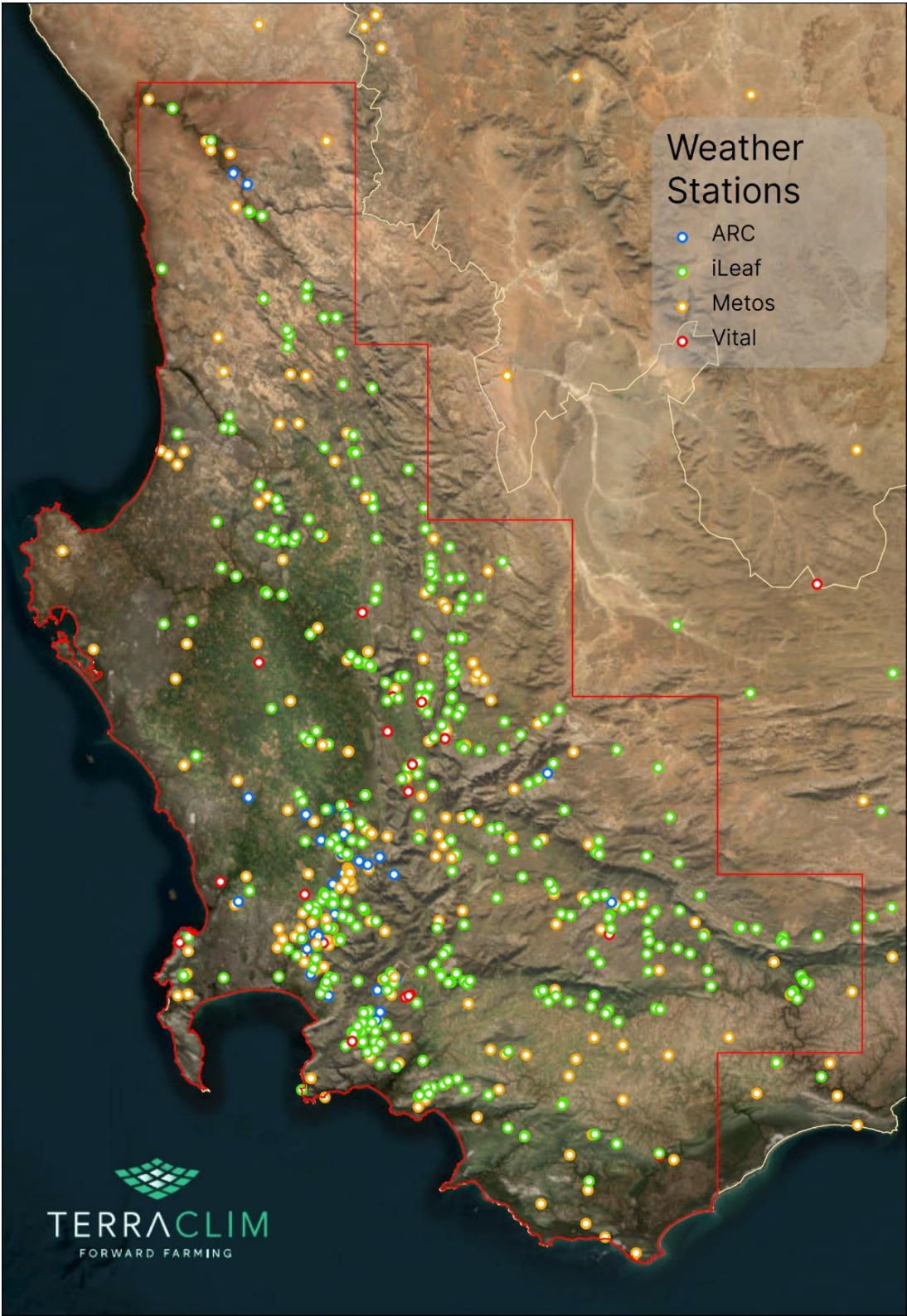
** Different station than 2023's report



Area	Station (2024)
Avontuur (Langkloof)	Avontuur
Elgin**	Habibi
Ermelo**	IGNI
Franschhoek	La Motte
Greyton**	Greyton
Joubertina (Langkloof)	Joubertina
Koue Bokkeveld**	Weltevrede
Ladismith**	R2C Ladismith
Misgund (Langkloof)	Nuweplaas
Montagu	Derdeheuwel
Nuy**	La Motte Rivier
Piketberg**	Moutons Valley
Robertson**	Van Loveren Riverside
Simondium	Simonsvlei Landgoed
Stellenbosch	Kanonkop1
Tulbagh	Waveren Berries
Villiersdorp	Villiersdorp
Vrystaat**	Lettie
Vyeboom**	Graymead
Waterberg	Waterberg Berries
WBV - Noord	Lushof
WBV - Suid**	Edenville Cirrus50
Wellington	Kalmoesfontein
Wolseley	Platvlei

Seasonal Spatialised Maps created by TerraClim

A network for a changing climate: These weather stations provide crucial data for sustainable agriculture.



Seasonal Snapshot presented by iLeaf a division of Mérieux NutriSciences | Hortec & TerraClim

