



Seasonal Snapshot | Updates and Insights

December 2024



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December 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 December 2024

Cumulative HU and GDD from July – December 2024



Temperature

HORTGRO

Growing Fruit IQ

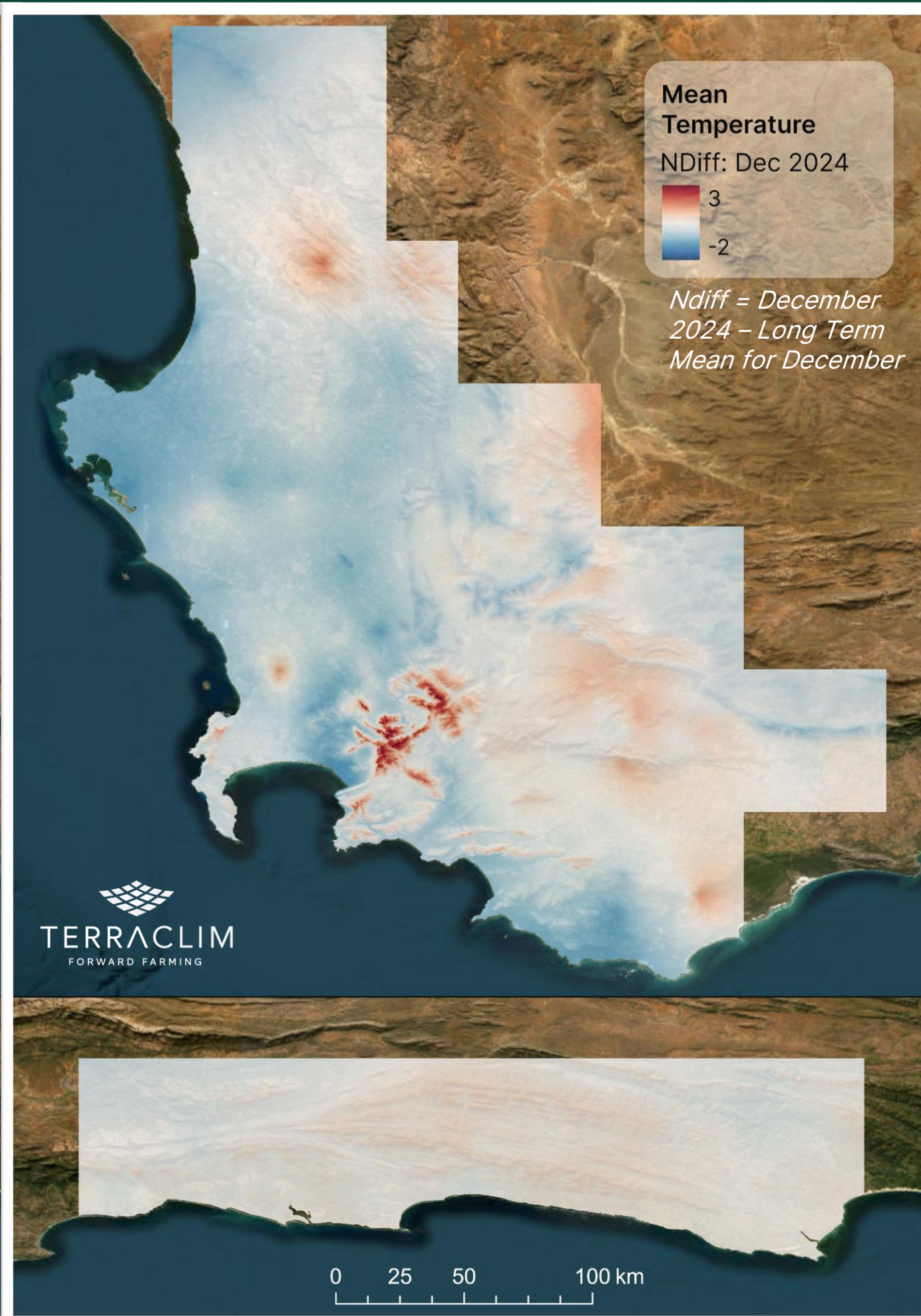
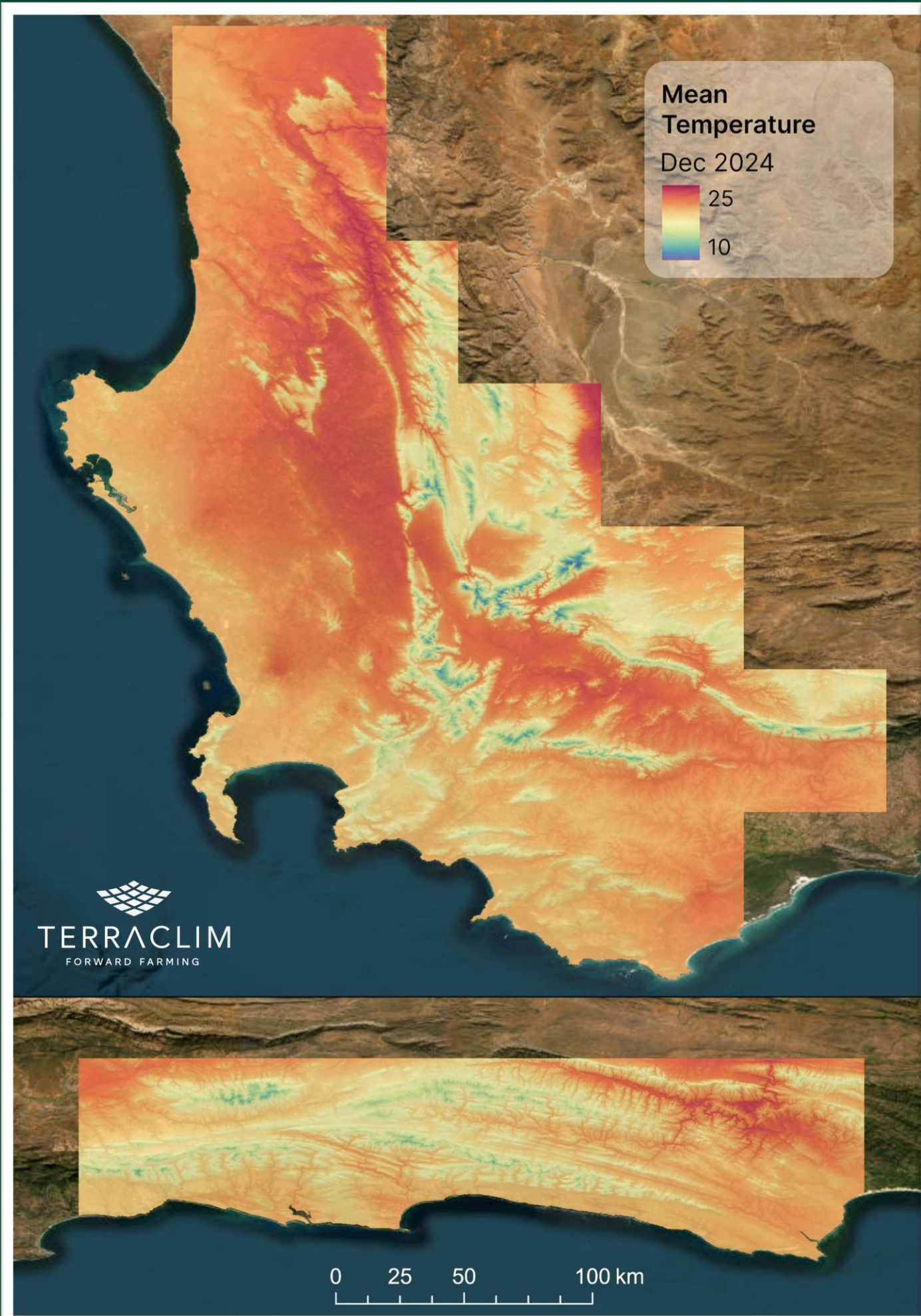


TEMPERATURE & RAINFALL FOR 1 DECEMBER – 31 DECEMBER: 2023/24

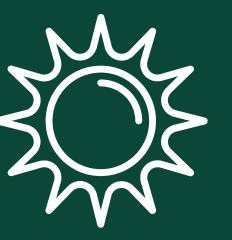
** Different station than 2023's report



Area	Average Temperature				Maximum Temperature				Minimum Temperature				Avg Daily Maximum Temp				Avg Daily Minimum Temp				Total Rainfall			
	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 (Langkloof)	17,0	16,2	0,8	▲	38,2	35,4	2,8	▲	4,9	5,3	-0,4	▼	24,2	22,7	1,5	▲	10,5	10,3	0,2	▲	7	44	-37	▼
Elgin**	18,5	18,3	0,2	▲	34,1	28,9	5,2	▲	9,7	11,4	-1,7	▼	23,8	22,9	0,9	▲	14,2	14,4	-0,2	▼	26	38	-12	▼
Ermelo**	21,0	18,8	2,2	▲	33,0	30,6	2,4	▲	12,6	9,8	2,8	▲	26,5	24,6	1,9	▲	15,8	14,1	1,7	▲	195	75	120	▲
Franschhoek	21,2	22,0	-0,8	▼	39,6	33,6	6,0	▲	11,6	12,4	-0,8	▼	28,3	28,4	-0,1	▼	15,7	16,6	-0,9	▼	22	9	13	▲
Greyton**	21,2	20,5	0,8	▲	40,3	36,0	4,3	▲	8,4	10,6	-2,2	▼	29,7	28,0	1,7	▲	14,7	14,8	-0,1	▼	5	92	-87	▼
Joubertina (Langkloof)	19,3	18,5	0,8	▲	40,3	37,9	2,4	▲	8,7	8,6	0,1	▲	26,3	25,2	1,1	▲	13,0	12,3	0,7	▲	3	29	-25	▼
Koue Bokkeveld**	18,1	18,7	-0,6	▼	34,1	31,4	2,7	▲	4,3	5,6	-1,4	▼	25,2	25,6	-0,4	▼	9,8	10,3	-0,5	▼	1	5	-4	▼
Ladismith**	21,2	19,7	1,6	▲	40,4	36,3	4,1	▲	9,2	10,3	-1,1	▼	29,5	26,2	3,3	▲	14,4	14,1	0,3	▲	0	126	-126	▼
Misgund (Langkloof)	17,6	16,8	0,8	▲	38,2	35,1	3,1	▲	7,5	8,6	-1,1	▼	23,8	22,5	1,3	▲	12,4	11,8	0,6	▲	15	39	-24	▼
Montagu	22,3	21,4	0,9	▲	41,6	36,7	4,9	▲	7,3	10,2	-3,0	▼	31,2	29,3	1,9	▲	13,9	14,0	-0,1	▼	4	22	-18	▼
Nuy**	21,5	21,2	0,2	▲	37,6	33,4	4,3	▲	4,8	8,6	-3,8	▼	29,8	28,9	0,9	▲	11,9	13,4	-1,5	▼	3	26	-23	▼
Piketberg**	19,3	20,2	-0,9	▼	38,4	33,6	4,8	▲	6,7	6,5	0,3	▲	27,0	27,8	-0,8	▼	11,8	12,2	-0,4	▼	6	0	5	▲
Robertson**	22,5	21,4	1,9	▲	41,7	37,9	3,8	▲	6,7	10,3	-3,6	▼	36,8	30,3	6,5	▲	12,0	11,6	0,4	▲	0	27	-27	▼
Simondium	20,7	21,8	-1,1	▼	38,3	34,1	4,2	▲	10,1	11,4	-1,3	▼	27,3	27,8	-0,5	▼	15,1	16,2	-1,1	▼	39	6	33	▲
Stellenbosch	20,1	21,6	-1,6	▼	38,0	35,4	2,7	▲	9,2	10,3	-1,1	▼	27,1	28,5	-1,4	▼	13,5	14,5	-1,0	▼	29	2	27	▲
Tulbagh	21,3	21,6	-0,3	▼	39,3	33,6	5,7	▲	7,8	10,2	-2,3	▼	29,2	29,6	-0,4	▼	14,3	14,1	0,2	▲	12	2	9	▲
Villiersdorp	20,2	19,6	0,6	▲	37,9	32,4	5,5	▲	8,7	10,9	-2,2	▼	27,3	25,8	1,5	▲	14,3	14,2	0,1	▲	18	57	-39	▼
Vrystaat**	21,0	18,6	2,5	▲	34,2	32,5	1,7	▲	10,7	8,7	2,0	▲	28,7	25,0	3,7	▲	14,5	13,2	1,3	▲	81	158	-77	▼
Vyeboom**	19,9	19,5	0,4	▲	35,4	30,1	5,3	▲	9,1	10,8	-1,7	▼	26,1	25,5	0,6	▲	14,8	14,1	0,7	▲	6	32	-26	▼
Waterberg	24,9	22,7	2,1	▲	37,3	35,3	2,0	▲	13,7	11,9	1,8	▲	30,3	29,1	1,2	▲	18,8	17,1	1,7	▲	137	147	-10	▼
WBV - Noord	20,6	21,6	-1,0	▼	38,5	34,1	4,4	▲	7,0	9,6	-2,6	▼	28,9	29,6	-0,7	▼	11,8	13,1	-1,3	▼	23	11	11	▲
WBV - Suid	20,5	21,0	-0,5	▼	36,9	32,5	4,3	▲	6,4	8,3	-1,9	▼	28,4	28,0	0,4	▲	11,6	12,8	-1,2	▼	9	27	-18	▼
Wellington	20,7	22,2	-1,5	▼	40,4	37,2	3,2	▲	10,1	12,5	-2,4	▼	28,6	29,8	-1,2	▼	14,6	16,0	-1,4	▼	23	15	8	▲
Wolseley**	21,6	21,6	0,0	—	39,1	33,3	5,8	▲	11,5	11,9	-0,4	▼	29,8	29,0	0,8	▲	15,5	15,2	0,3	▲	20	7	13	▲



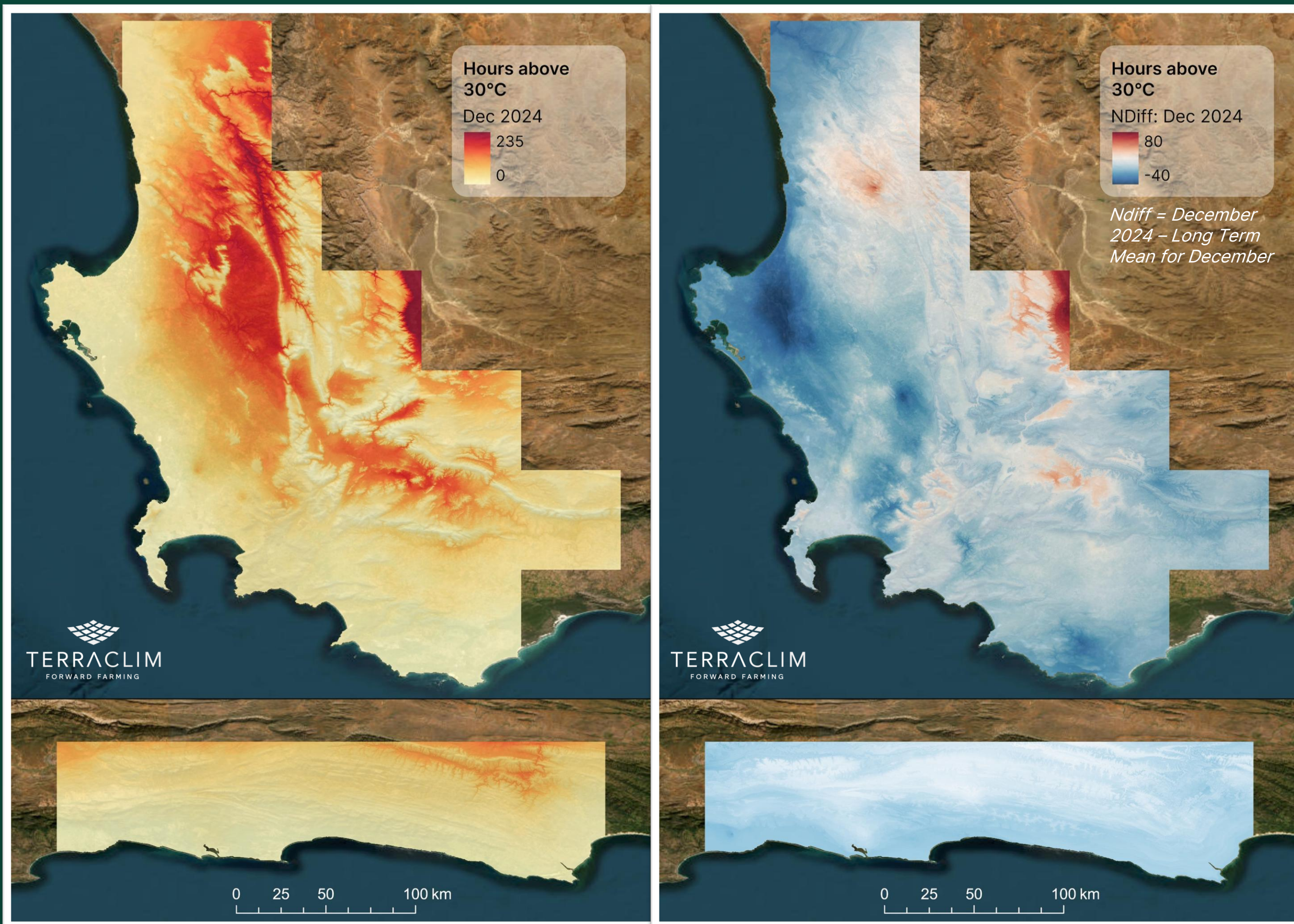
MEAN TEMPERATURE



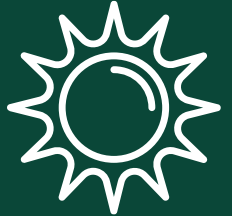
The mean temperature for December 2024 ranged from 10°C to 25°C.

The Piketberg, Tulbagh and Worcester regions exhibited higher mean temperatures compared to other regions.

Most of the Cape experienced a cooler December, with temperatures up to 2°C lower than the average mean temperature for this period.



HOURS ABOVE 30 °C



The accumulated hours above 30 °C for December 2024 range between 0 – 235 hours.

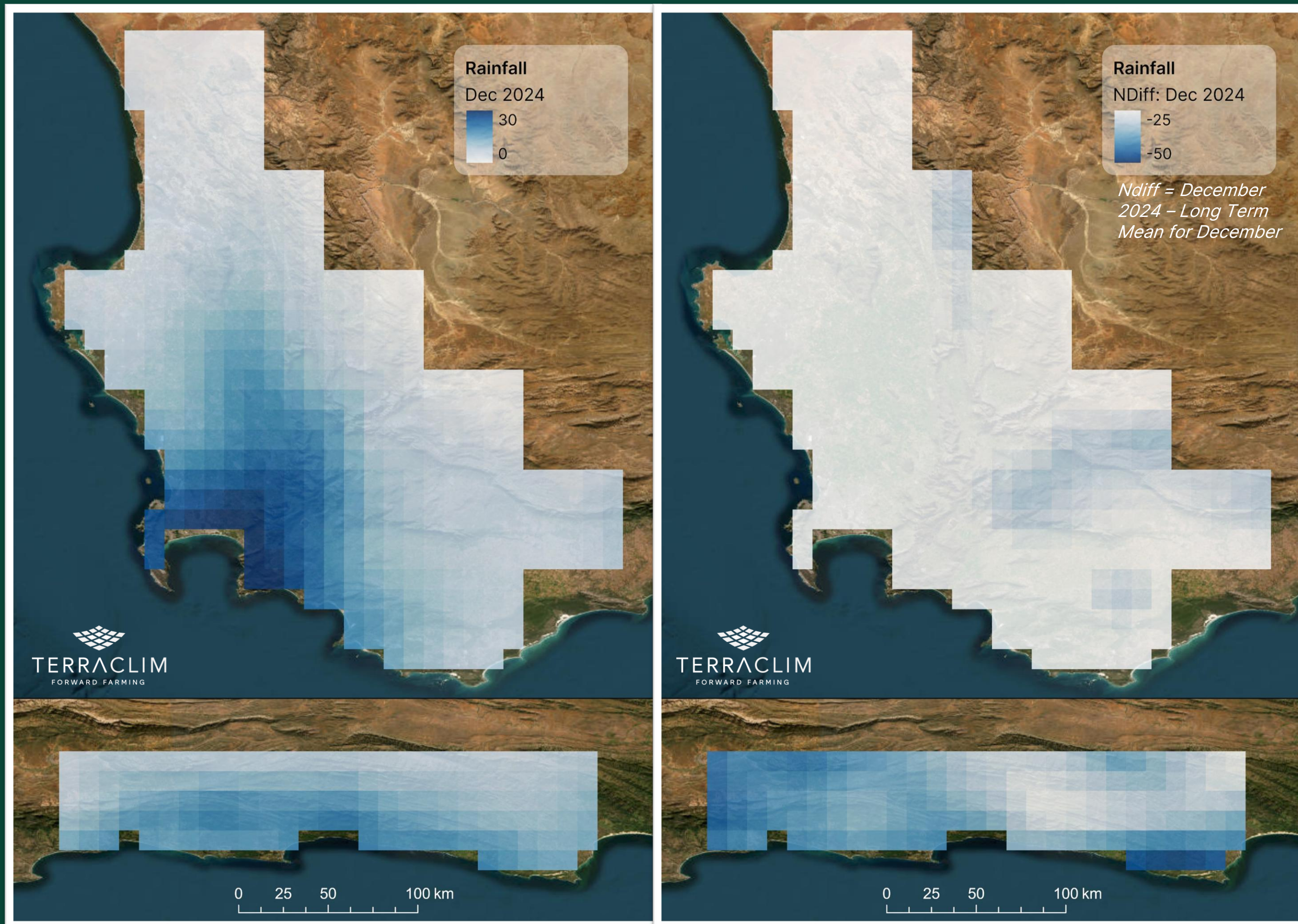
The West Coast, particularly the Bergrivier and Cederberg areas experienced more hours above 30 °C.

Generally, the majority of the Cape received fewer hours above 30 °C, compared to the long-term average for December.



Rainfall





RAINFALL



The total rainfall for December 2024 ranged between 1 – 30 mm across the Cape. The City of Cape Town received more rainfall (~ 30 mm) than the majority of the Cape.

Compared to the long-term average rainfall, December 2024 received less rainfall (~25 mm less) along the West Coast, and up to ~50 mm less in the Langkloof region.

Current Level:

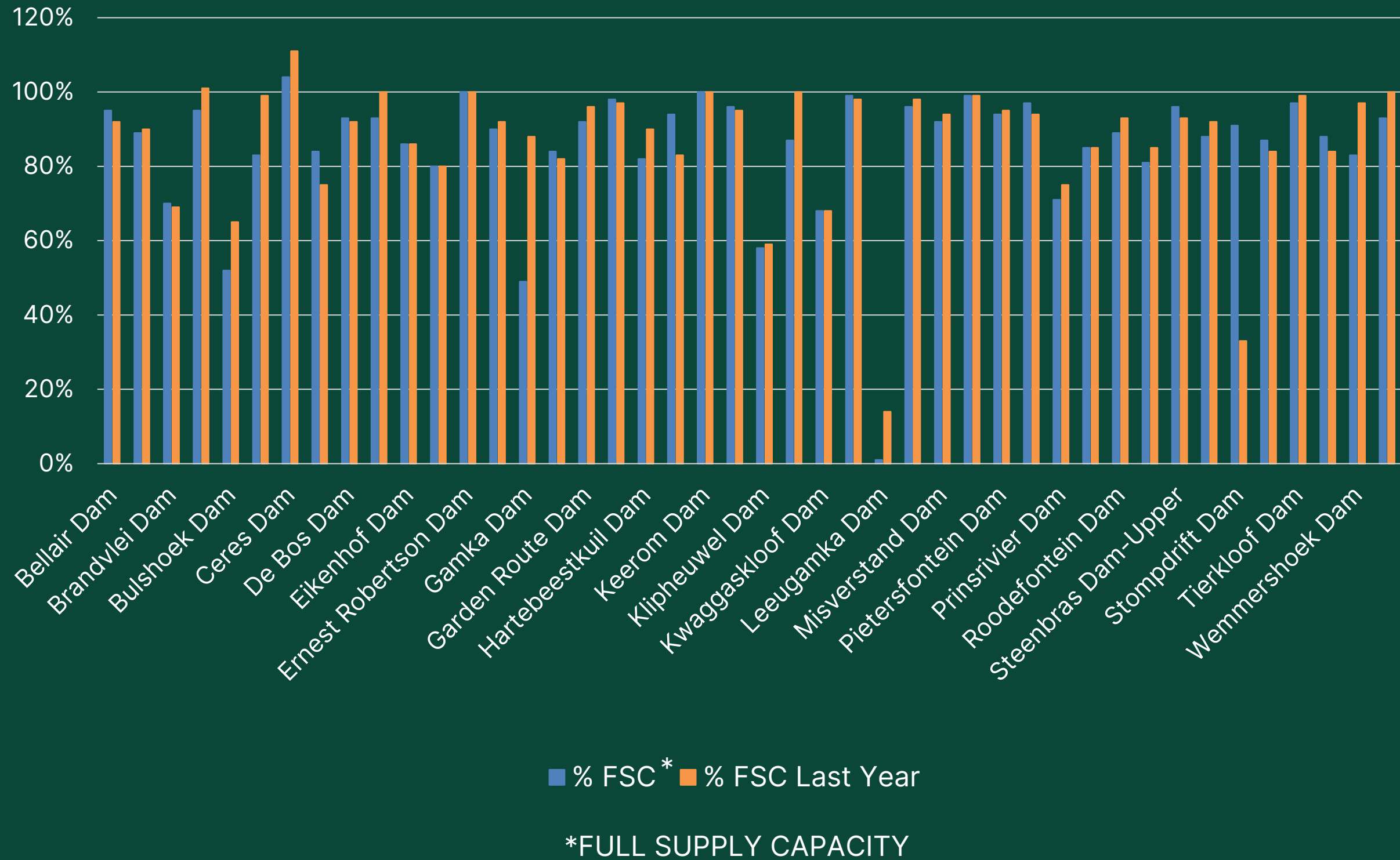
92% as of January 6th, 2025.

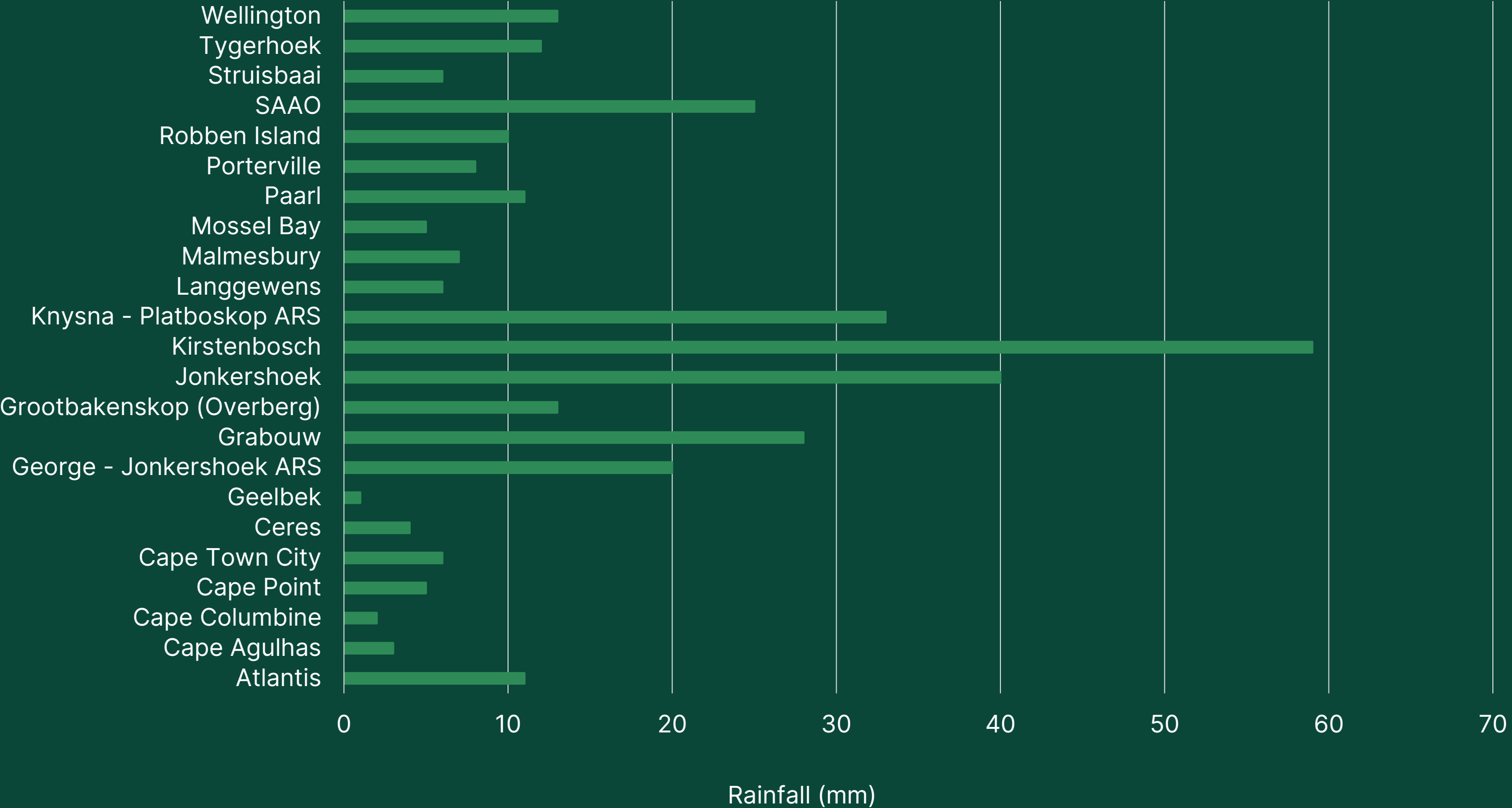
Dam levels in Cape Town are high due to heavy rainfall over the season.

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



State of Western Cape Dams







Heat Units and Growing Degree Days

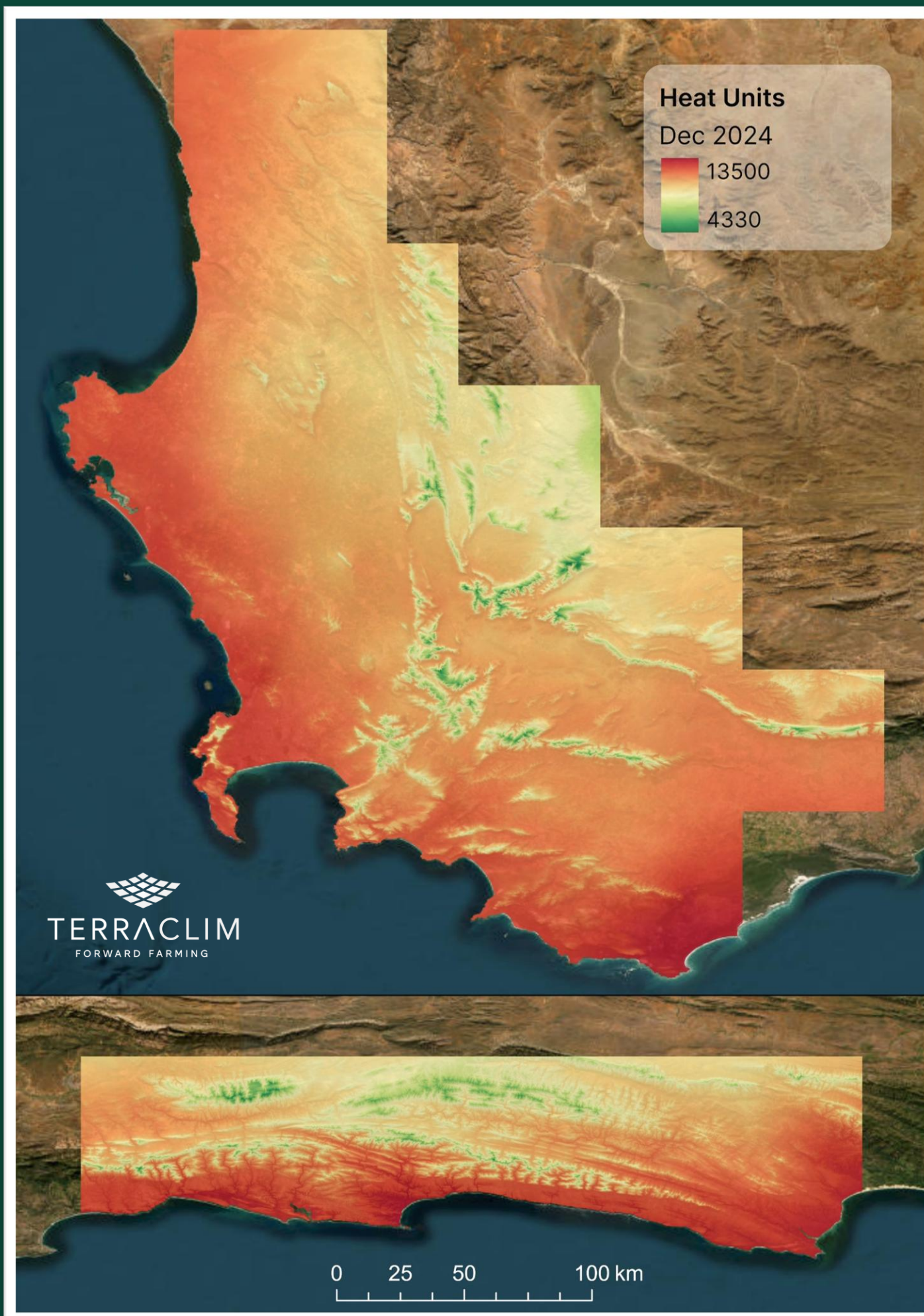


HEAT UNITS (HU) & GROWING DEGREE DAYS (GDD) for 1 JULY – 31 DECEMBER: 2023/24

** Different station than 2023's report



Area	GDD				HEAT UNITS			
	2023	2024	2023 vs 2024		2023	2024	2023 vs 2024	
Avontuur (Langkloof)	499	445	-54	▼	17725	17689	-36	▼
Elgin**	960	902	-58	▼	22458	22713	256	▲
Ermelo**	1115	1261	146	▲	27816	32145	4329	▲
Franschhoek	1337	1270	-68	▼	30769	31180	411	▲
Greyton**	1183	1122	-61	▼	27412	28387	975	▲
Joubertina (Langkloof)	945	958	13	▲	23535	24686	1151	▲
Koue Bokkeveld**	548	440	-108	▼	20297	20168	-129	▼
Ladismith**	1099	1068	-31	▼	27257	28076	818	▲
Misgund (Langkloof)	691	634	-57	▼	19102	19632	531	▲
Montagu	1149	1122	-26	▼	29872	31309	1436	▲
Nuy**	1026	962	-64	▼	28500	29391	891	▲
Piketberg**	910	833	-77	▼	25333	25183	-149	▼
Robertson**	1325	1088	-237	▼	32067	29937	-2130	▼
Simondium	1260	1203	-56	▼	29680	29837	157	▲
Stellenbosch	1239	1085	-154	▼	30037	28472	-1565	▼
Tulbagh	1152	1132	-20	▼	28600	29785	1185	▲
Villiersdorp	1090	1046	-44	▼	26284	26830	546	▲
Vrystaat**	957	1050	94	▲	25653	29031	3378	▲
Vyeboom**	1018	1002	-16	▼	25499	25980	481	▲
Waterberg	1776	1908	132	▲	42987	49127	6140	▲
WBV - Noord	1009	871	-139	▼	27213	27392	180	▲
WBV - Suid	561	815	254	▲	28378	28556	178	▲
Wellington	1398	1252	-146	▼	32396	31662	-735	▼
Wolseley**	1271	1248	-23	▼	29614	30778	1164	▲



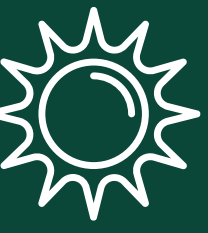
HEAT UNITS (HU): DECEMBER



The HU for December 2024 ranged between ~4300 and 13500 HU.

Saldhana Bay and Cape Agulhas accumulated more HU than many other regions. These two areas were also warmer this December when compared to the long-term average.

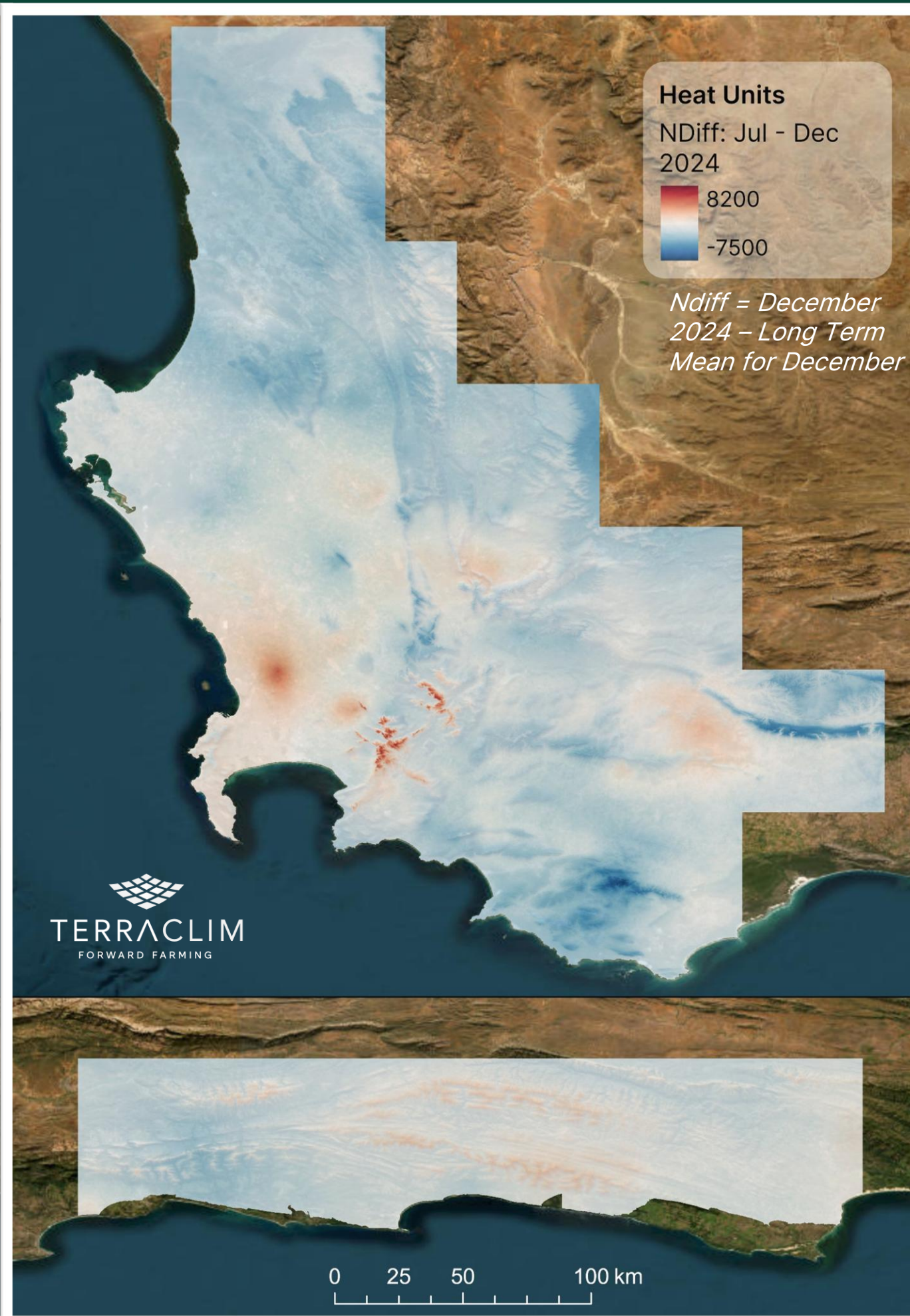
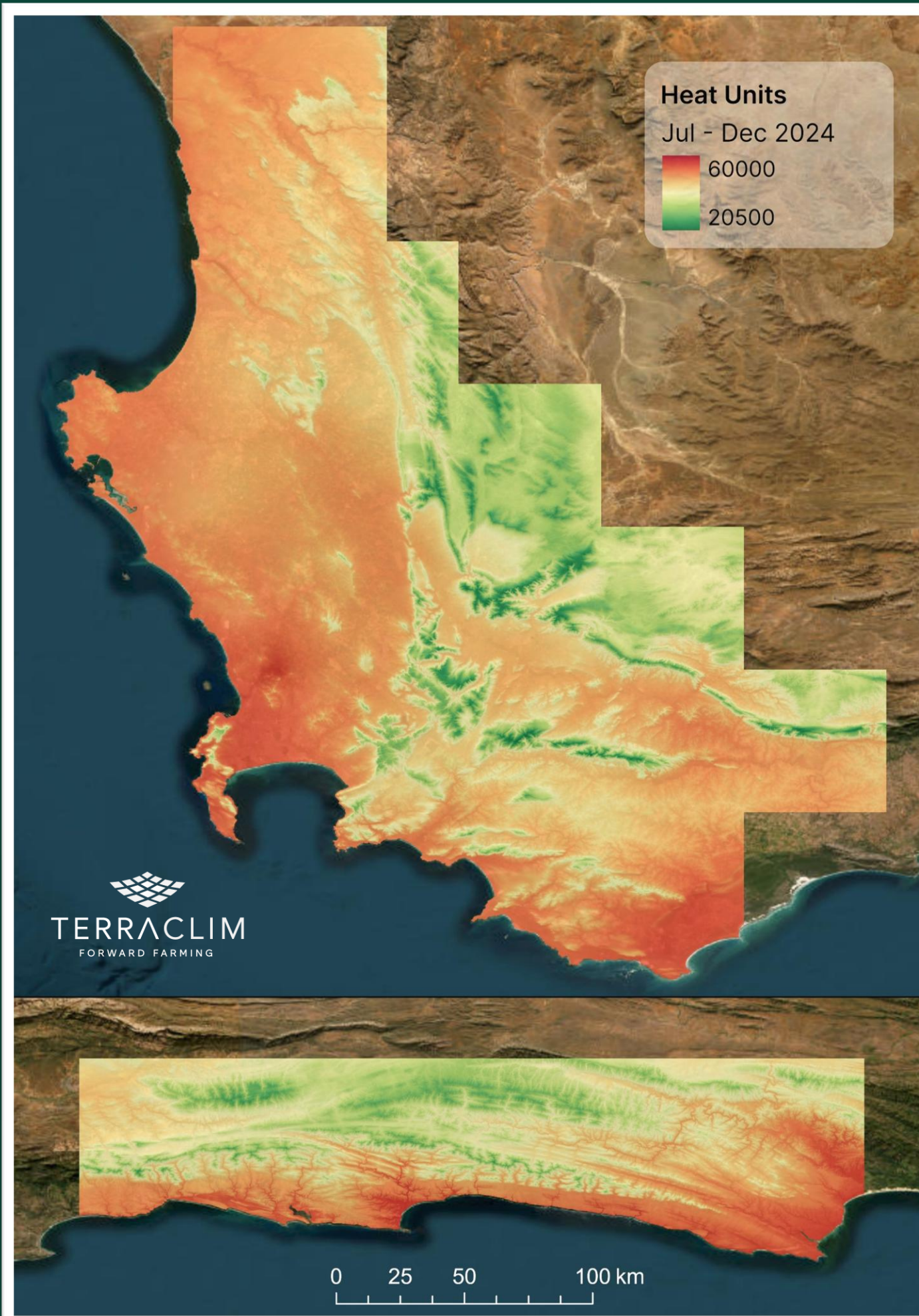
Most of the Cape experienced cooler conditions this December, specifically the Cederberg and Witzenberg areas.

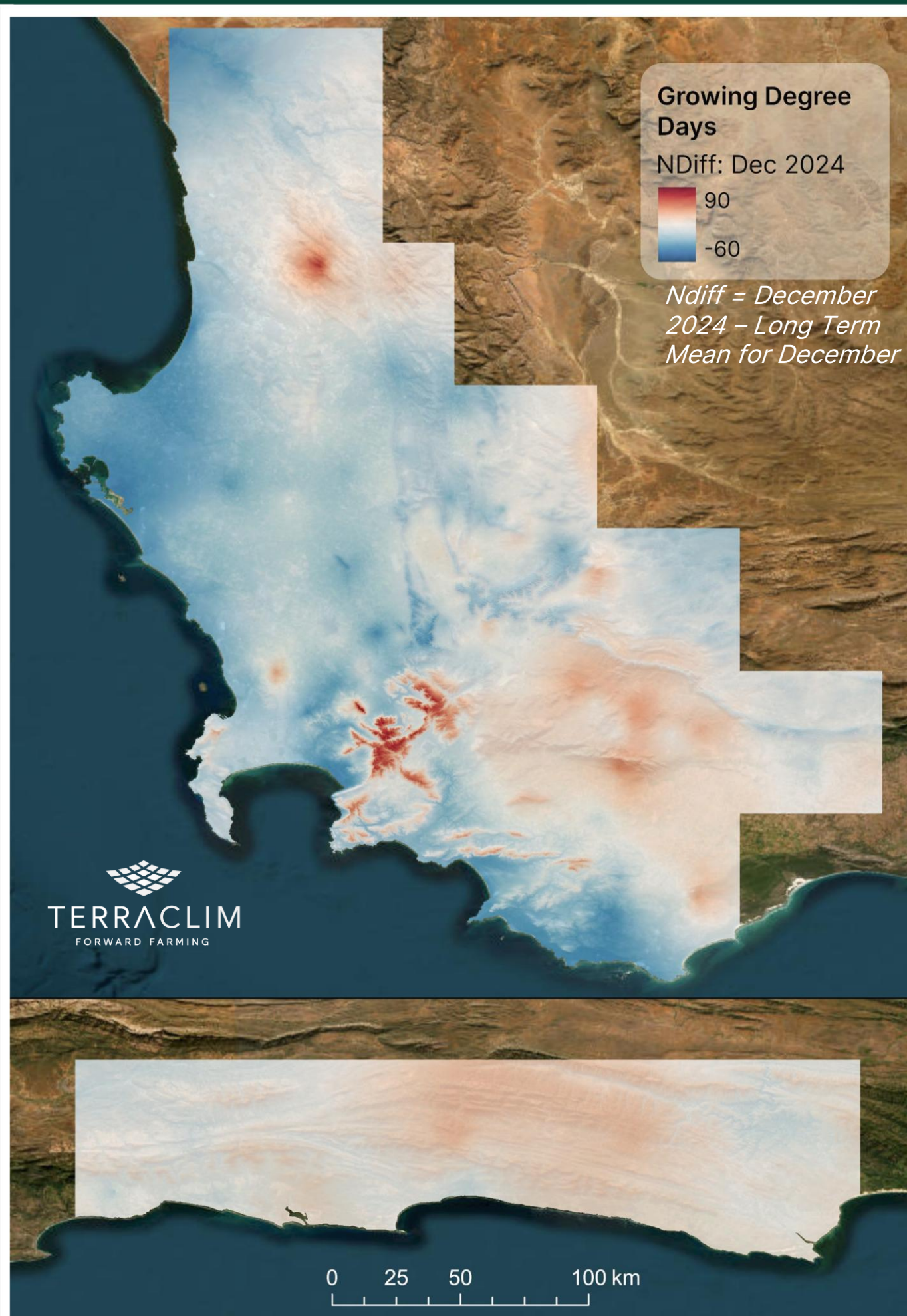
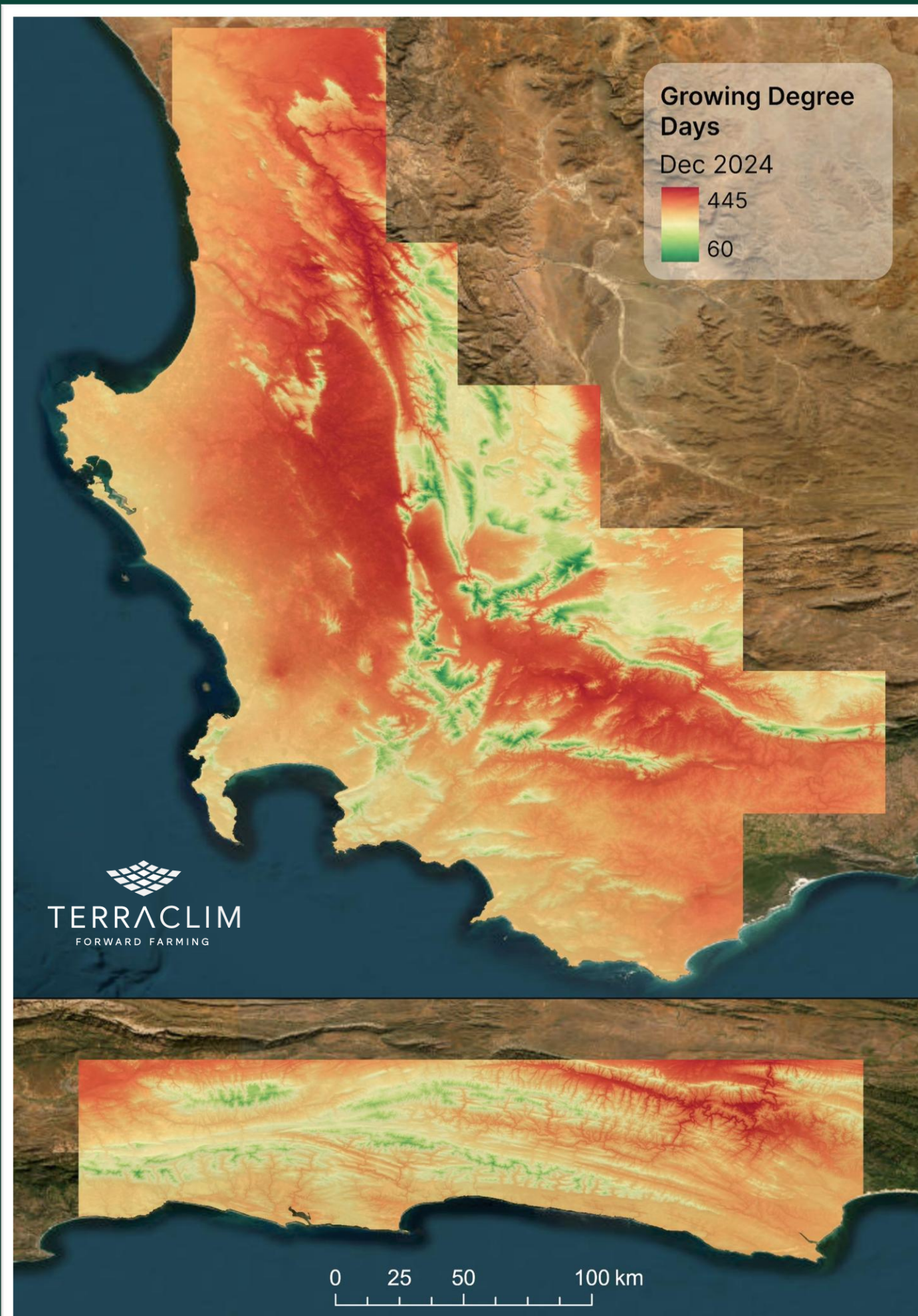


HEAT UNITS (HU): JULY - DECEMBER

The accumulated heat units ranged between 20500 and 60000 HU. More growing hours were experienced this season across the coastal areas.

Compared to the average growing hours experienced, this season was slightly warmer in the Winelands and in the Langkloof, but cooler in Langeberg and Cape Agulhas areas.



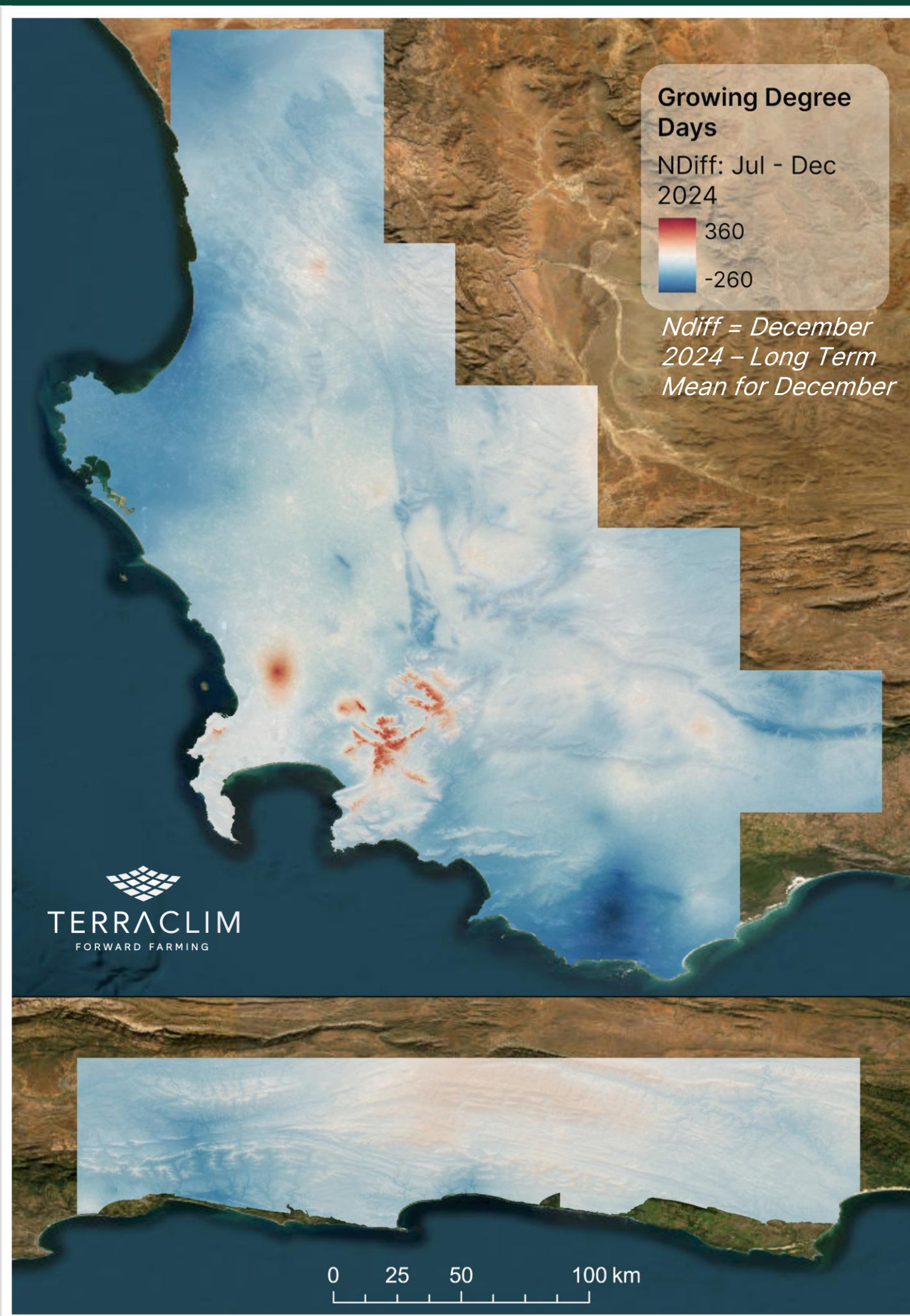
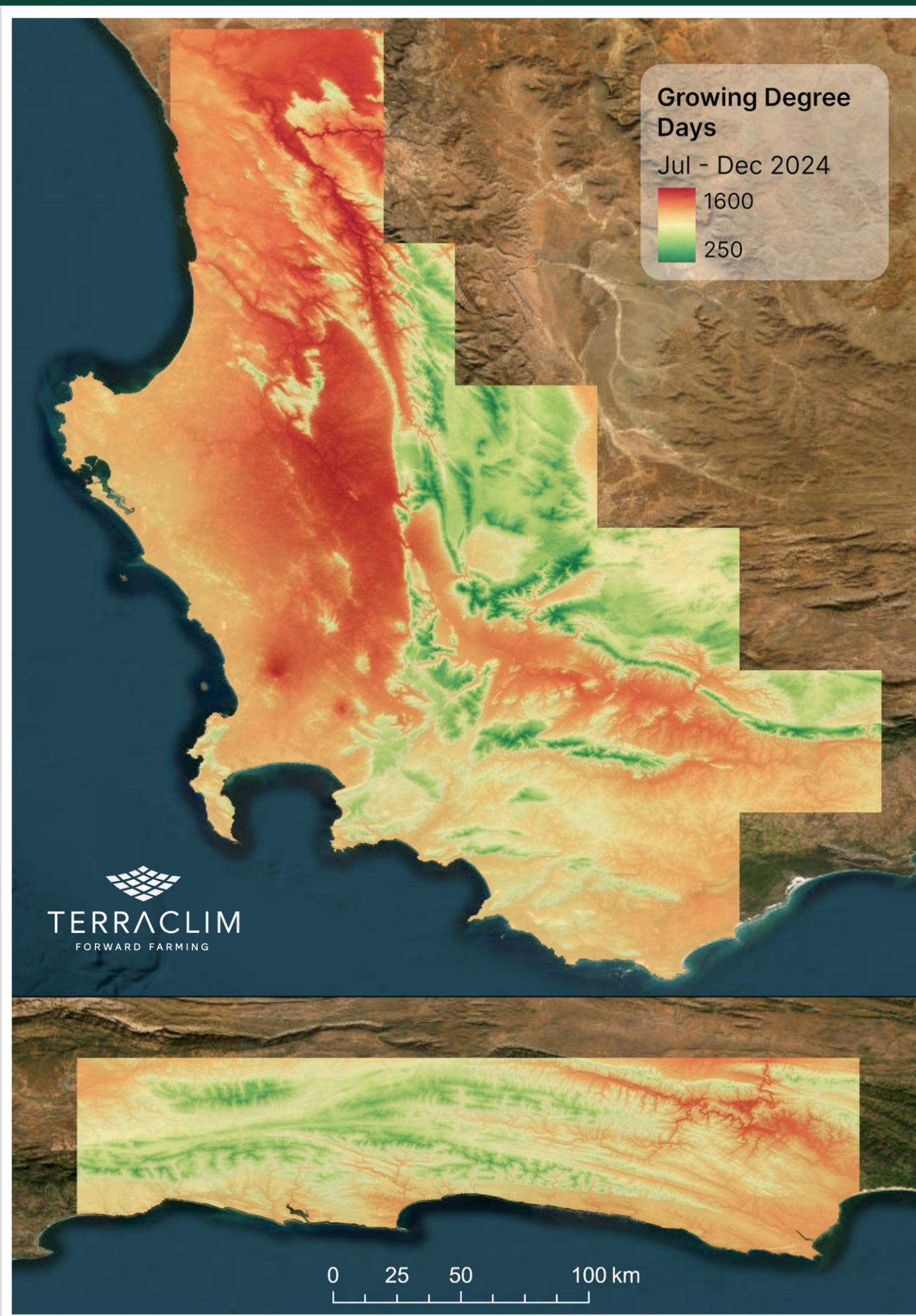


GROWING DEGREE DAYS (GDD): DECEMBER



The growing days ranged between 60 – 445 GDD for December 2024.

Inland, mountainous areas experienced the fewest growing days while the West Coast had some of the highest. Despite having more growing days, the West Coast received fewer growing days during this period when compared to the long-term average.



GROWING DEGREE DAYS (GDD): JULY - DECEMBER

The accumulated growing degree days ranged between 250 and 1600 GDD from July – December 2024.

Most of the Cape received fewer GDD during this period. Specifically, Cape Agulhas and Saldanha Bay received ~260 fewer growing days this season compared to the long-term average.

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

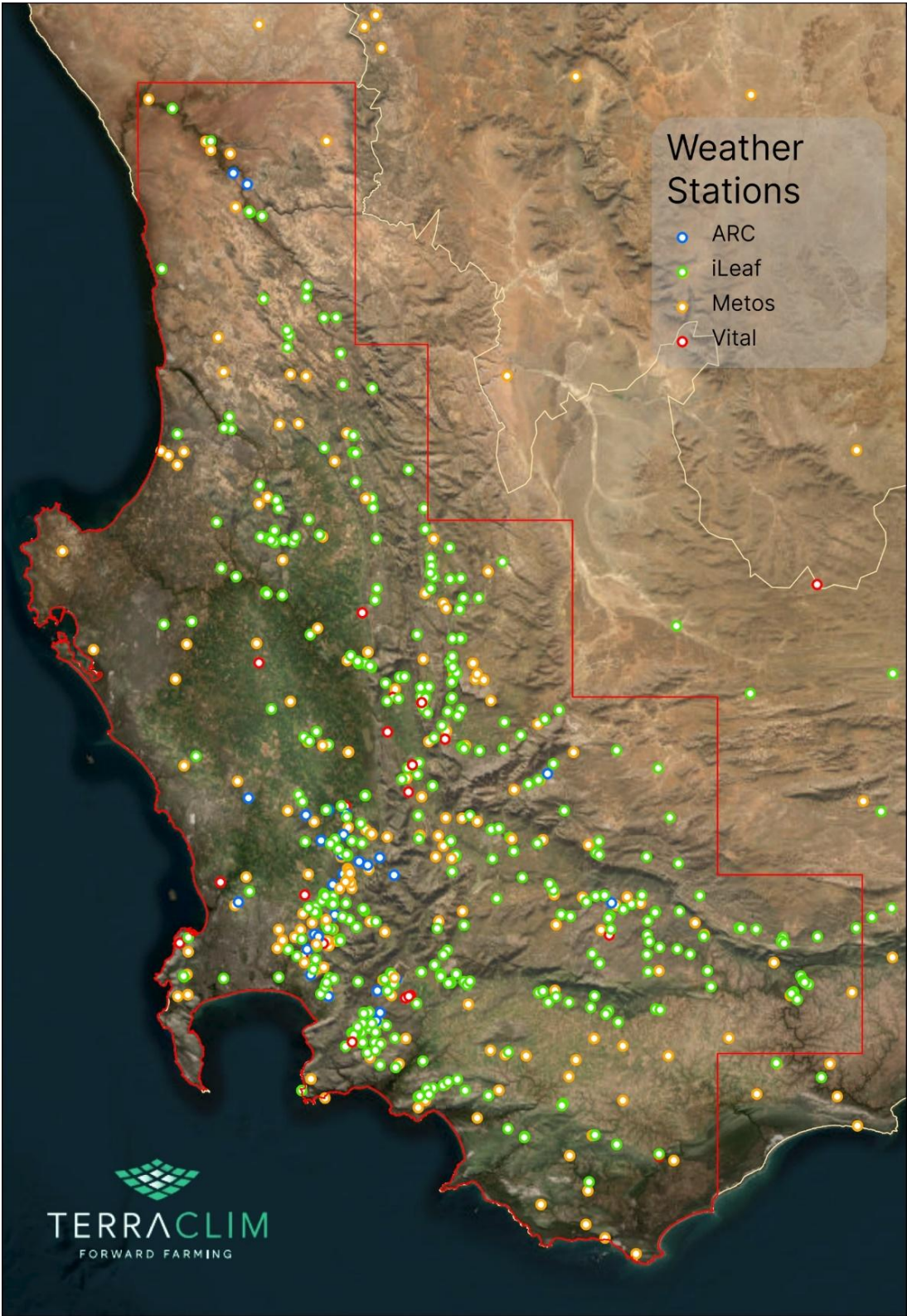
** Different station than 2023's report



Area	Station (2024)
Avontuur (Langkloof)	Avontuur
Elgin**	Habibi
Ermelo**	Voorsorg
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**	Habata
Simondium	Simonsvlei Landgoed
Stellenbosch	Kanonkop1
Tulbagh	Waveren Berries
Villiersdorp	Villiersdorp
Vrystaat**	Lettie
Vyeboom**	Graymead
Waterberg	Waterberg Berries
WBV - Noord	Lushof
WBV - Suid	Dankbaar
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

