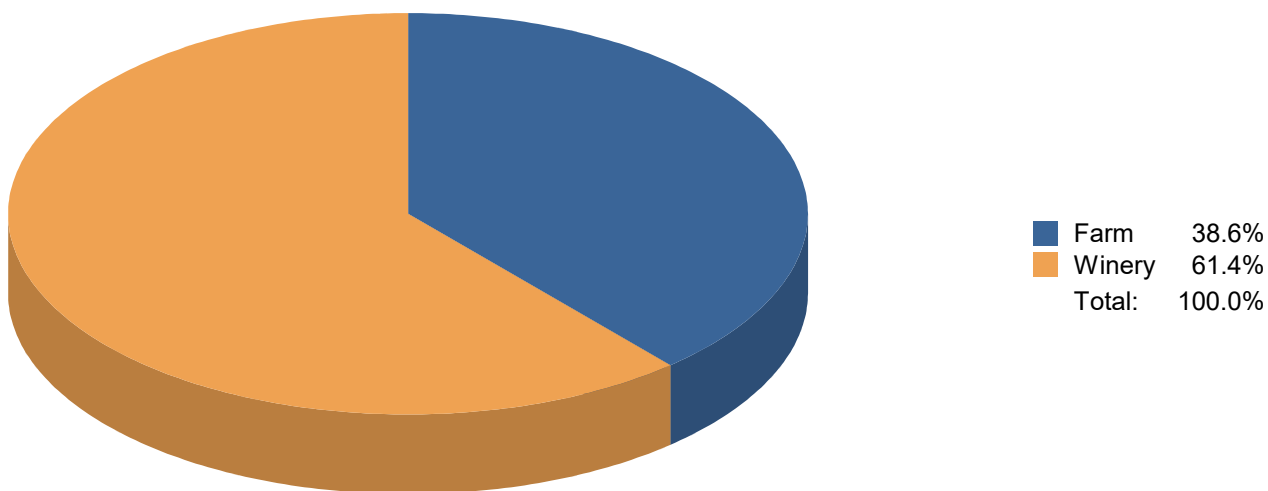


Carbon Calculator Results

Business Name: De Wetshof Estate
Country Name: South Africa
Creation Date: 3/17/2026 7:28:05AM
Data Collection Period: Mar 2025 to Feb 2026
Report Grade: B2 - This dataset has been checked by CCC and is not part of the benchmark.

Business Unit - Boundary View



Boundary	Tonne CO ₂ e	%
Farm	608.48	38.58
Winery	968.54	61.42
Total	1,577.03	100.00

The Carbon Calculator must be completed on an annual basis. This allows users to monitor their carbon footprint trend and analyse improvements.

Business Name:

De Wetshof Estate

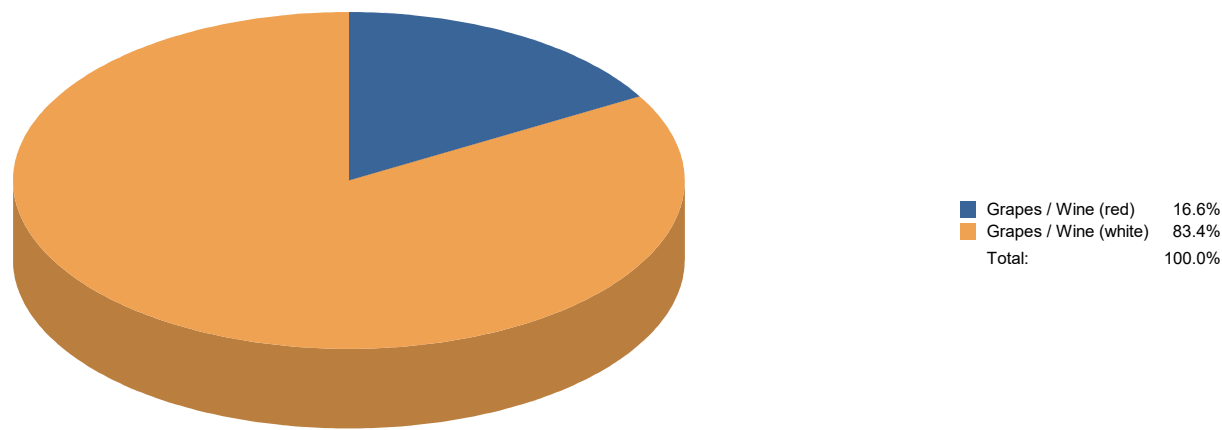
Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

Mar 2025 to Feb 2026

Business Unit - Commodity View



Commodity	Tonne CO ₂ e	%
Grapes / Wine (red)	262.01	16.61
Grapes / Wine (white)	1,315.02	83.39
Total	1,577.03	100.00

Business Name:

De Wetshof Estate

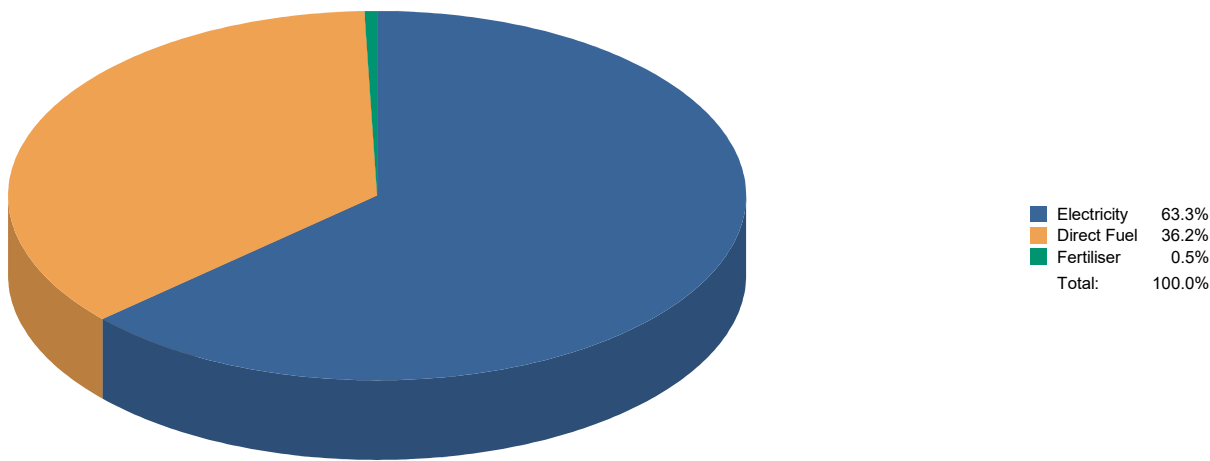
Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

Mar 2025 to Feb 2026

Farm - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	384.97	63.27
Direct Fuel	220.44	36.23
Fertiliser	3.07	0.50
Total	608.48	100.00

Business Name:

De Wetshof Estate

Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

Mar 2025 to Feb 2026

Farm Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Grapes / Wine (red)	0.77	The CCC regional average is 0.30 Kg CO2e per Kg Fruit and consist of 60 data points.
Grapes / Wine (white)	0.15	The CCC regional average is 0.27 Kg CO2e per Kg Fruit and consist of 66 data points.

Farm Hectare Breakdown

Commodity	Tonne CO ₂ e per Bearing Ha
Grapes / Wine (red)	3.88
Grapes / Wine (white)	3.09

Farm Scope Breakdown

	Tonne CO ₂ e	%
Scope 1	224.44	36.88
Scope 2	382.59	62.88
Scope 3	1.46	0.24
Total	608.48	100.00

Business Name:

De Wetshof Estate

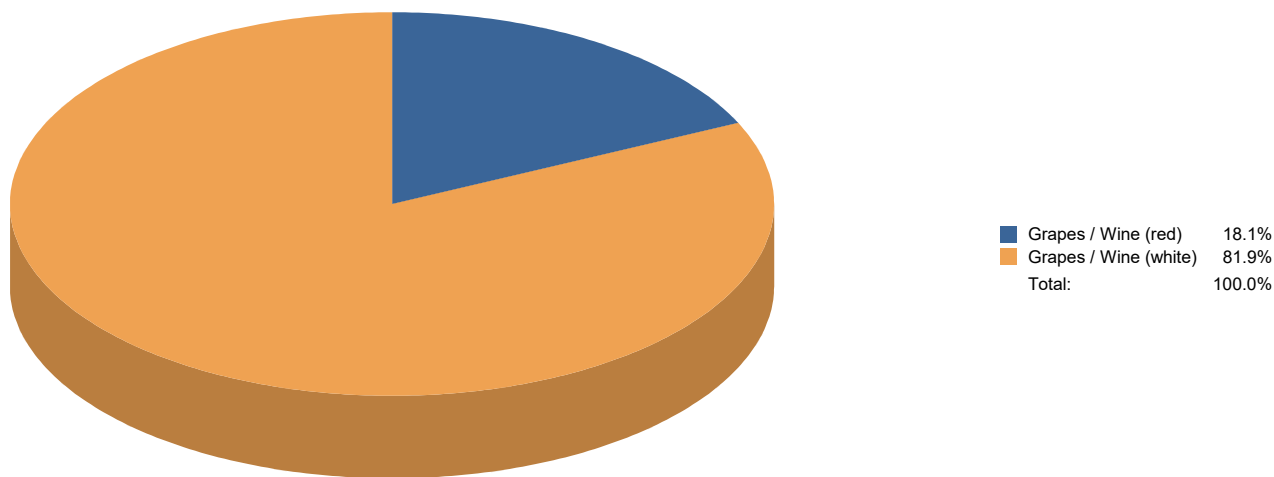
Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

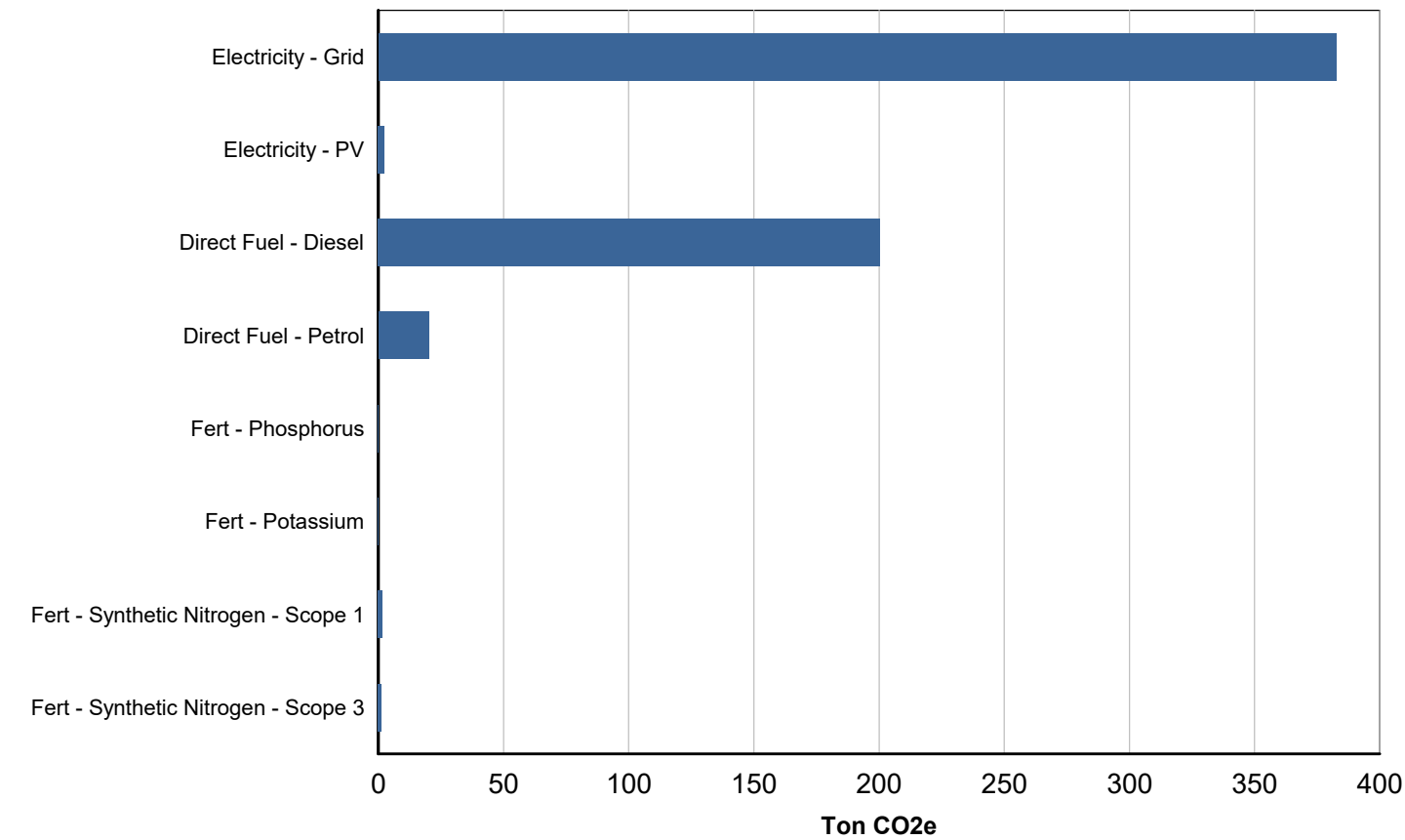
Mar 2025 to Feb 2026

Farm - Commodity View



Commodity	Tonne CO ₂ e	%
Grapes / Wine (red)	110.43	18.15
Grapes / Wine (white)	498.05	81.85
Total	608.48	100.00

Farm - Emission Source Breakdown



Emission Source	Tonne CO ₂ e	%
Electricity - Grid	382.59	62.88
Electricity - PV	2.39	0.39
Direct Fuel - Diesel	200.28	32.92
Direct Fuel - Petrol	20.16	3.31
Fert - Phosphorus	0.15	0.02
Fert - Potassium	0.11	0.02
Fert - Synthetic Nitrogen - Scope 1	1.61	0.26
Fert - Synthetic Nitrogen - Scope 3	1.21	0.20
Total	608.48	100.00

Business Name:

De Wetshof Estate

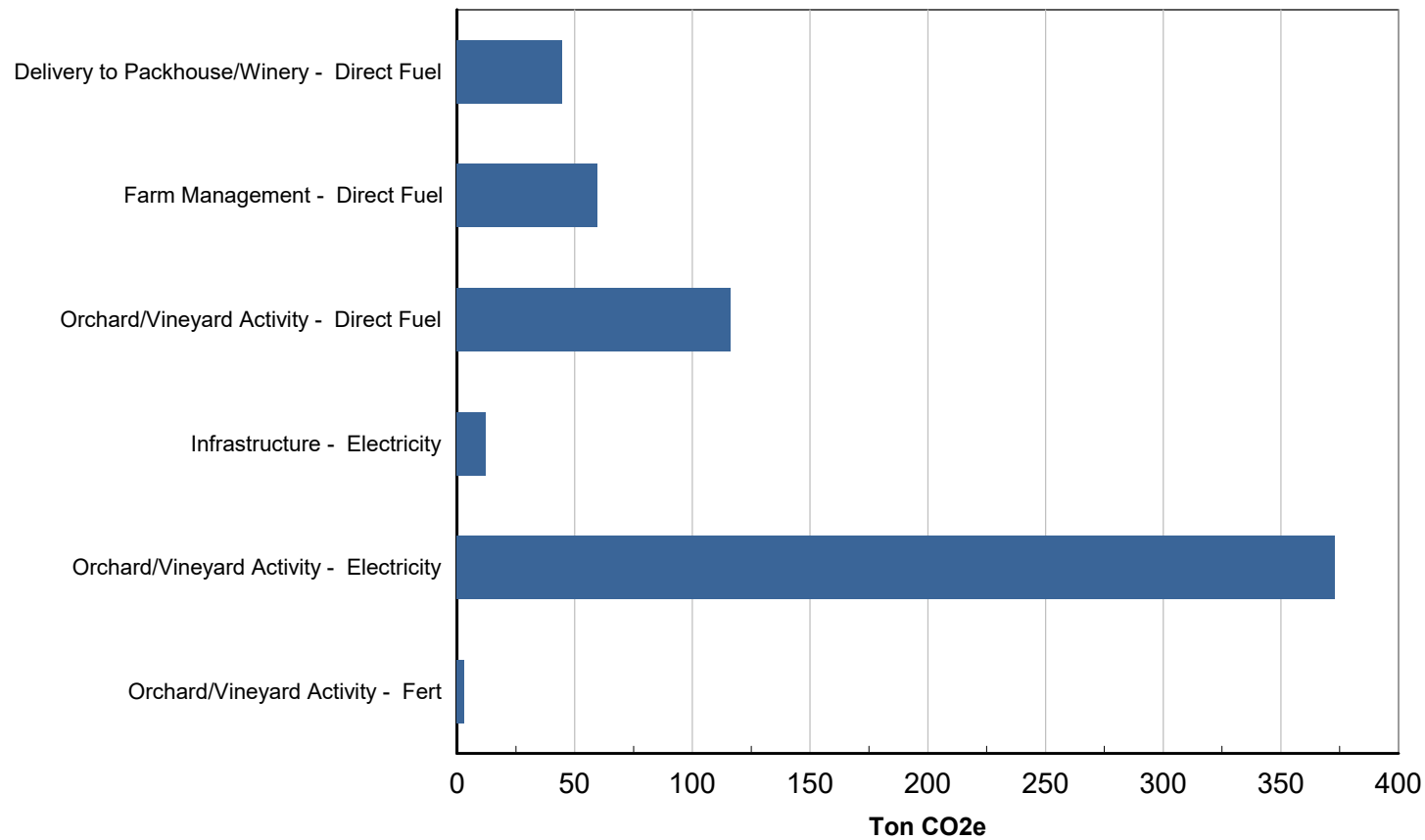
Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

Mar 2025 to Feb 2026

Farm - Activity Breakdown



Activity Breakdown	Tonne CO ₂ e	%
Delivery to Packhouse/Winery - Direct Fuel	44.63	7.34
Farm Management - Direct Fuel	59.51	9.78
Orchard/Vineyard Activity - Direct Fuel	116.30	19.11
Infrastructure - Electricity	12.16	2.00
Orchard/Vineyard Activity - Electricity	372.82	61.27
Orchard/Vineyard Activity - Fert	3.07	0.50
Total	608.48	100.00

Business Name:

De Wetshof Estate

Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

Mar 2025 to Feb 2026

Detailed Carbon Emissions Breakdown

Detailed Activities	Tonne CO ₂ e	%
Electricity - Grid - Orchard/Vineyard Activity - BO	370.43	60.88
Electricity - Grid - Infrastructure	12.16	2.00
Electricity - PV - Orchard/Vineyard Activity - BO	2.39	0.39
Direct Fuel - Diesel - Orchard/Vineyard Activity - BO	96.14	15.80
Direct Fuel - Diesel - Delivery to Packhouse/Winery	44.63	7.34
Direct Fuel - Diesel - Farm Management	59.51	9.78
Direct Fuel - Petrol - Orchard/Vineyard Activity	20.16	3.31
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - BO	2.82	0.46
Fert - - Phosphorus - Orchard/Vineyard Activity - BO	0.15	0.02
Fert - - Potassium - Orchard/Vineyard Activity - BO	0.11	0.02
Total	608.48	100.00

Business Name: De Wetshof Estate

Dataset: 3/17/2026 7:28:05AM

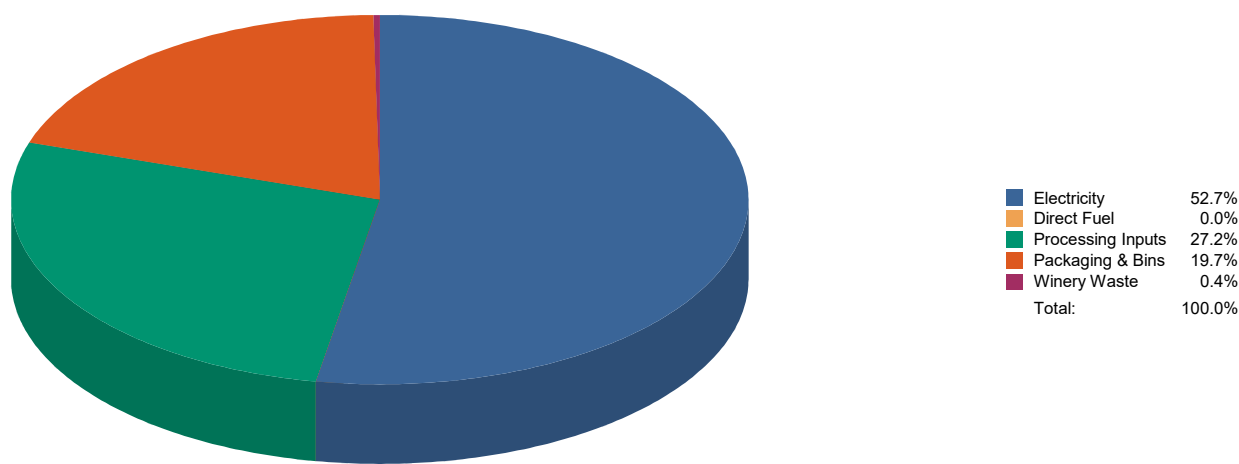
Data Collection Period: Mar 2025 to Feb 2026

Farm Consumption Benchmarks

Commodity	Consumption Measure	Result	Benchmark
Grapes / Wine (red)	kL Water per Ton Fruit	942.11	The CCC regional average is 383.97 kL Water per Ton Fruit and consist of 56 data points.
Grapes / Wine (red)	kL Water per Bearing Ha	4,726.44	The CCC regional average is 4881.92 kL Water per Bearing Ha and consist of 56 data points.
Grapes / Wine (red)	kWh Orchard / Vineyard Electricity per Ton Fruit	605.31	The CCC regional average is 197.29 kWh Orchard / Vineyard Electricity per Ton Fruit and consist of 56 data points.
Grapes / Wine (red)	kWh Orchard / Vineyard Electricity per Bearing Ha	3,036.74	The CCC regional average is 2484.32 kWh Orchard / Vineyard Electricity per Bearing Ha and consist of 56 data points.
Grapes / Wine (red)	Liters Orchard / Vineyard Diesel per Ton Fruit	54.33	The CCC regional average is 19.51 Liters Orchard / Vineyard Diesel per Ton Fruit and consist of 56 data points.
Grapes / Wine (red)	Liters Orchard / Vineyard Diesel per Bearing Ha	272.57	The CCC regional average is 241.71 Liters Orchard / Vineyard Diesel per Bearing Ha and consist of 56 data points.
Grapes / Wine (red)	Kg Pure N per Ton Fruit	0.27	The CCC regional average is 4.27 Kg Pure N per Ton Fruit and consist of 56 data points.
Grapes / Wine (red)	Kg Pure N per Bearing Ha	1.35	The CCC regional average is 75.03 Kg Pure N per Bearing Ha and consist of 56 data points.

Commodity	Consumption Measure	Result	Benchmark
Grapes / Wine (white)	kL Water per Ton Fruit	168.59	The CCC regional average is 271.98 kL Water per Ton Fruit and consist of 62 data points.
Grapes / Wine (white)	kL Water per Bearing Ha	3,335.41	The CCC regional average is 4186.54 kL Water per Bearing Ha and consist of 62 data points.
Grapes / Wine (white)	kWh Orchard / Vineyard Electricity per Ton Fruit	108.32	The CCC regional average is 162.44 kWh Orchard / Vineyard Electricity per Ton Fruit and consist of 62 data points.
Grapes / Wine (white)	kWh Orchard / Vineyard Electricity per Bearing Ha	2,143.00	The CCC regional average is 2315.55 kWh Orchard / Vineyard Electricity per Bearing Ha and consist of 62 data points.
Grapes / Wine (white)	Liters Orchard / Vineyard Diesel per Ton Fruit	9.72	The CCC regional average is 15.01 Liters Orchard / Vineyard Diesel per Ton Fruit and consist of 62 data points.
Grapes / Wine (white)	Liters Orchard / Vineyard Diesel per Bearing Ha	192.35	The CCC regional average is 224.55 Liters Orchard / Vineyard Diesel per Bearing Ha and consist of 62 data points.
Grapes / Wine (white)	Kg Pure N per Ton Fruit	0.05	The CCC regional average is 3.35 Kg Pure N per Ton Fruit and consist of 62 data points.
Grapes / Wine (white)	Kg Pure N per Bearing Ha	0.95	The CCC regional average is 62.80 Kg Pure N per Bearing Ha and consist of 62 data points.

Winery - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	510.38	52.70
Direct Fuel	0.17	0.02
Processing Inputs	263.48	27.20
Packaging & Bins	190.76	19.70
Winery Waste	3.75	0.39
Total	968.54	100.00

Business Name:

De Wetshof Estate

Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

Mar 2025 to Feb 2026

Winery Commodity Benchmark

Commodity	Kg CO2e per L Wine	Benchmark
Grapes / Wine (red) - Bottling	0.85	The CCC regional average is 0.57 Kg CO2e per L Wine and consist of 36 data points.
Grapes / Wine (red) - Processing	1.03	The CCC regional average is 0.15 Kg CO2e per L Wine and consist of 82 data points.
Grapes / Wine (white) - Bottling	0.31	The CCC regional average is 0.71 Kg CO2e per L Wine and consist of 38 data points.
Grapes / Wine (white) - Processing	0.27	The CCC regional average is 0.14 Kg CO2e per L Wine and consist of 82 data points.

Winery Scope Breakdown

	Tonne CO ₂ e	%
Scope 1	270.43	27.92
Scope 2	505.49	52.19
Scope 3	192.63	19.89
Total	968.54	100.00

Business Name:

De Wetshof Estate

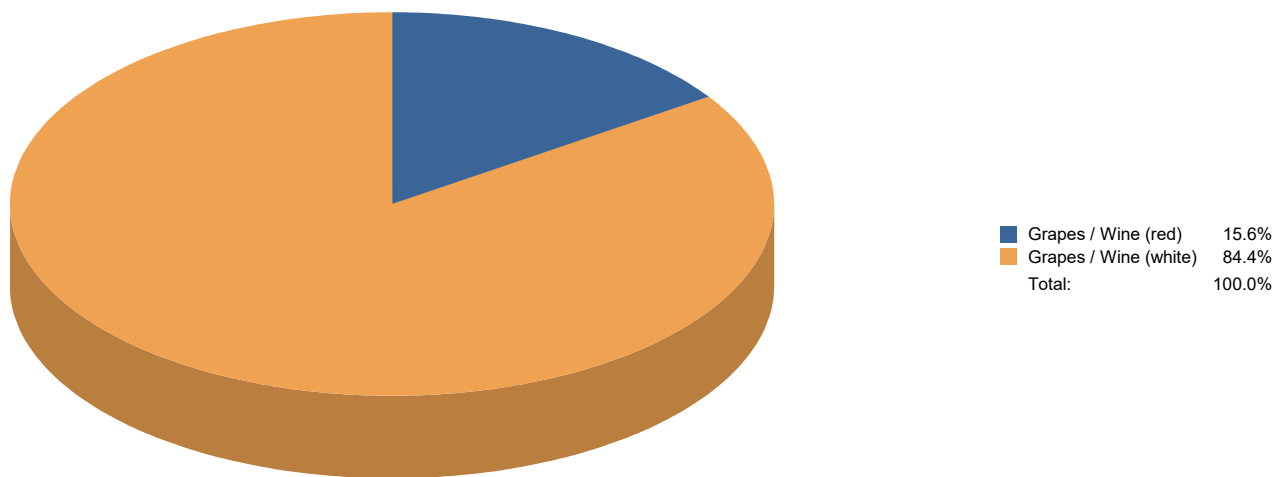
Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

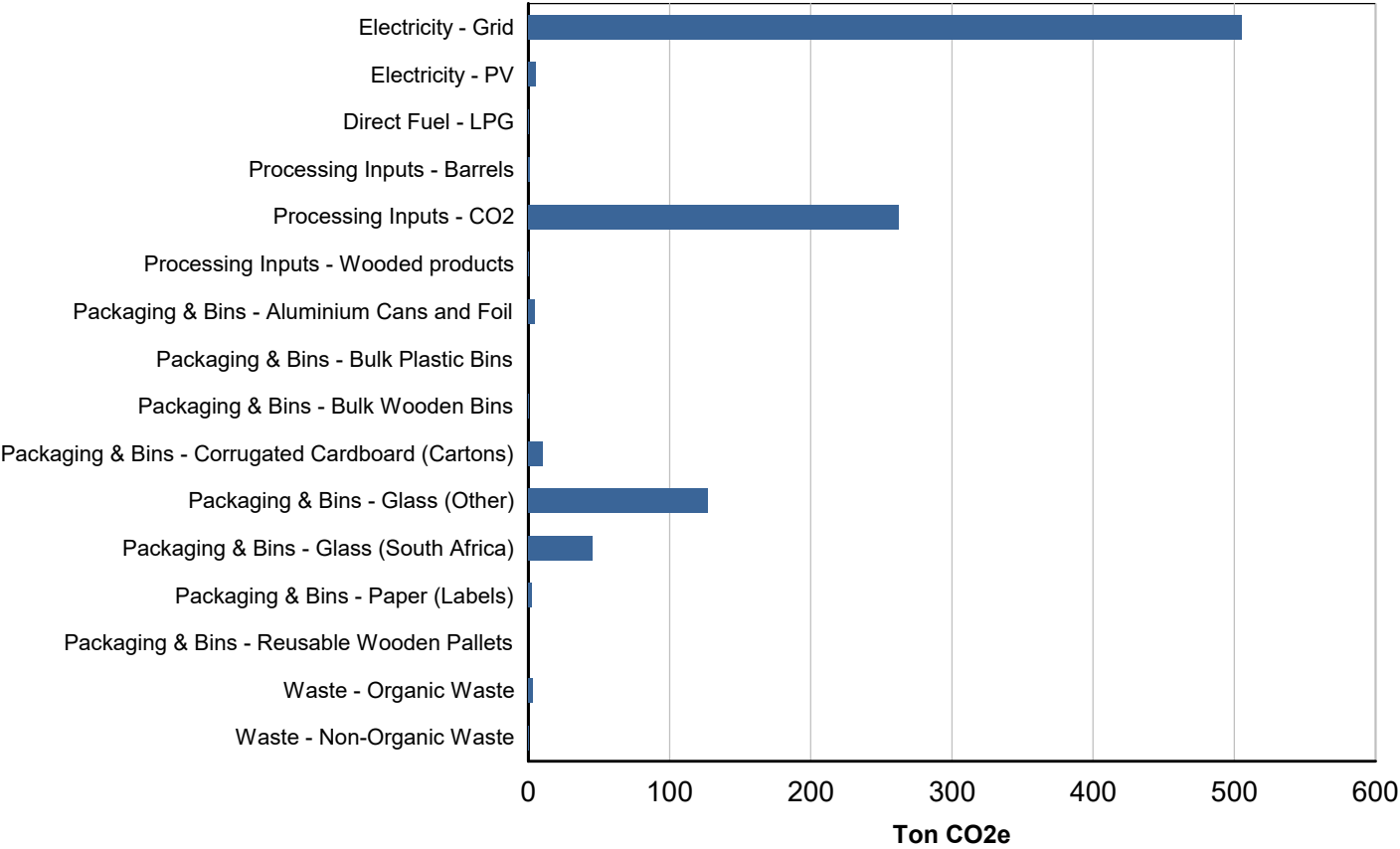
Mar 2025 to Feb 2026

Winery - Commodity View



Commodity	Tonne CO ₂ e	%
Grapes / Wine (red)	151.57	15.65
Grapes / Wine (white)	816.97	84.35
Total	968.54	100.00

Winery - Emission Source Breakdown

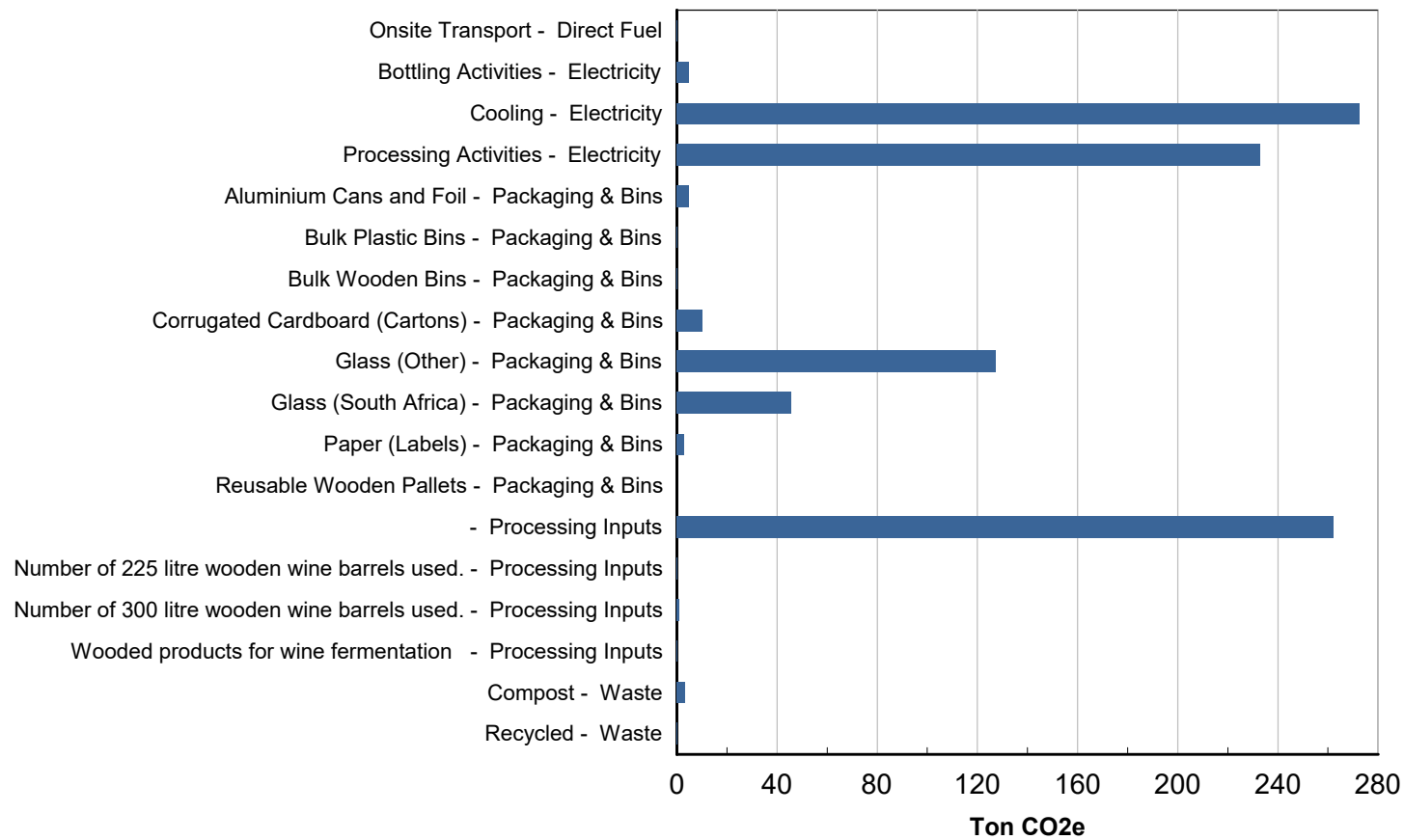


Emission Source	Tonne CO ₂ e	%
Electricity - Grid	505.49	52.19
Electricity - PV	4.90	0.51
Direct Fuel - LPG	0.17	0.02
Processing Inputs - Barrels	1.21	0.13
Processing Inputs - CO2	262.00	27.05
Processing Inputs - Wooded products	0.27	0.03
Packaging & Bins - Aluminium Cans and Foil	4.68	0.48
Packaging & Bins - Bulk Plastic Bins	0.07	0.01
Packaging & Bins - Bulk Wooden Bins	0.19	0.02
Packaging & Bins - Corrugated Cardboard (Cartons)	10.19	1.05
Packaging & Bins - Glass (Other)	127.20	13.13
Packaging & Bins - Glass (South Africa)	45.63	4.71

Business Name: De Wetshof Estate
Dataset: 3/17/2026 7:28:05AM
Data Collection Period: Mar 2025 to Feb 2026

Packaging & Bins - Paper (Labels)	2.78	0.29
Packaging & Bins - Reusable Wooden Pallets	0.03	0.00
Waste - Organic Waste	3.37	0.35
Waste - Non-Organic Waste	0.38	0.04
Total	968.54	100.00

Winery - Activity Breakdown



Activity Breakdown	Tonne CO ₂ e	%
Onsite Transport - Direct Fuel	0.17	0.02
Bottling Activities - Electricity	4.90	0.51
Cooling - Electricity	272.50	28.13
Processing Activities - Electricity	232.99	24.06
Aluminium Cans and Foil - Packaging & Bins	4.68	0.48
Bulk Plastic Bins - Packaging & Bins	0.07	0.01
Bulk Wooden Bins - Packaging & Bins	0.19	0.02
Corrugated Cardboard (Cartons) - Packaging & Bins	10.19	1.05
Glass (Other) - Packaging & Bins	127.20	13.13
Glass (South Africa) - Packaging & Bins	45.63	4.71
Paper (Labels) - Packaging & Bins	2.78	0.29
Reusable Wooden Pallets - Packaging & Bins	0.03	0.00
- Processing Inputs	262.00	27.05
Number of 225 litre wooden wine barrels used. - Processing Inputs	0.34	0.04

Business Name: De Wetshof Estate
Dataset: 3/17/2026 7:28:05AM
Data Collection Period: Mar 2025 to Feb 2026

Number of 300 litre wooden wine barrels used. - Processing Inputs	0.87	0.09
Wooded products for wine fermentation - Processing Inputs	0.27	0.03
Compost - Waste	3.37	0.35
Recycled - Waste	0.38	0.04
Total	968.54	100.00

Business Name:

De Wetshof Estate

Dataset:

3/17/2026 7:28:05AM

Data Collection Period:

Mar 2025 to Feb 2026

Detailed Carbon Emissions Breakdown

Detailed Activities	Tonne CO ₂ e	%
Electricity - Grid - Processing Activities	232.99	24.06
Electricity - Grid - Cooling	272.50	28.13
Electricity - PV - Bottling Activities	4.90	0.51
Direct Fuel - LPG - Onsite Transport	0.17	0.02
Processing Inputs - CO2 -	262.00	27.05
Processing Inputs - Barrels - Number of 225 litre wooden wine barrels used.	0.34	0.04
Processing Inputs - Barrels - Number of 300 litre wooden wine barrels used.	0.87	0.09
Processing Inputs - Wooded products - Wooded products for wine fermentation	0.27	0.03
Waste - Organic Waste - Compost	3.37	0.35
Waste - Non-Organic Waste - Recycled	0.38	0.04
Packaging & Bins - Glass (South Africa) - Glass (South Africa)	45.63	4.71
Packaging & Bins - Glass (Other) - Glass (Other)	127.20	13.13
Packaging & Bins - Corrugated Cardboard (Cartons) - Corrugated Cardboard (Cartons)	10.19	1.05
Packaging & Bins - Paper (Labels) - Paper (Labels)	2.78	0.29
Packaging & Bins - Bulk Wooden Bins - Bulk Wooden Bins	0.19	0.02
Packaging & Bins - Bulk Plastic Bins - Bulk Plastic Bins	0.07	0.01
Packaging & Bins - Reusable Wooden Pallets - Reusable Wooden Pallets	0.03	0.00
Packaging & Bins - Aluminium Cans and Foil - Aluminium Cans and Foil	4.68	0.48
Total	968.54	100.00

Business Name: De Wetshof Estate

Dataset: 3/17/2026 7:28:05AM

Data Collection Period: Mar 2025 to Feb 2026

Winery Consumption Benchmarks

Grapes / Wine (red)	Processing kWh per Ton Grapes Processed	322.29	The CCC regional average is 82.94 Processing kWh per Ton Grapes Processed and consist of 72 data points.
Grapes / Wine (red)	Cooling kWh per Ton Grapes Processed	376.94	The CCC regional average is 96.30 Cooling kWh per Ton Grapes Processed and consist of 72 data points.
Grapes / Wine (red)	Kg Glass per Liter Wine	1.07	The CCC regional average is 0.66 Kg Glass per Liter Wine and consist of 31 data points.

Grapes / Wine (white)	Processing kWh per Ton Grapes Processed	57.67	The CCC regional average is 78.02 Processing kWh per Ton Grapes Processed and consist of 73 data points.
Grapes / Wine (white)	Cooling kWh per Ton Grapes Processed	67.45	The CCC regional average is 79.00 Cooling kWh per Ton Grapes Processed and consist of 73 data points.
Grapes / Wine (white)	Kg Glass per Liter Wine	0.38	The CCC regional average is 0.63 Kg Glass per Liter Wine and consist of 33 data points.

Business Name: De Wetshof Estate
Dataset: 3/17/2026 7:28:05AM
Data Collection Period: Mar 2025 to Feb 2026