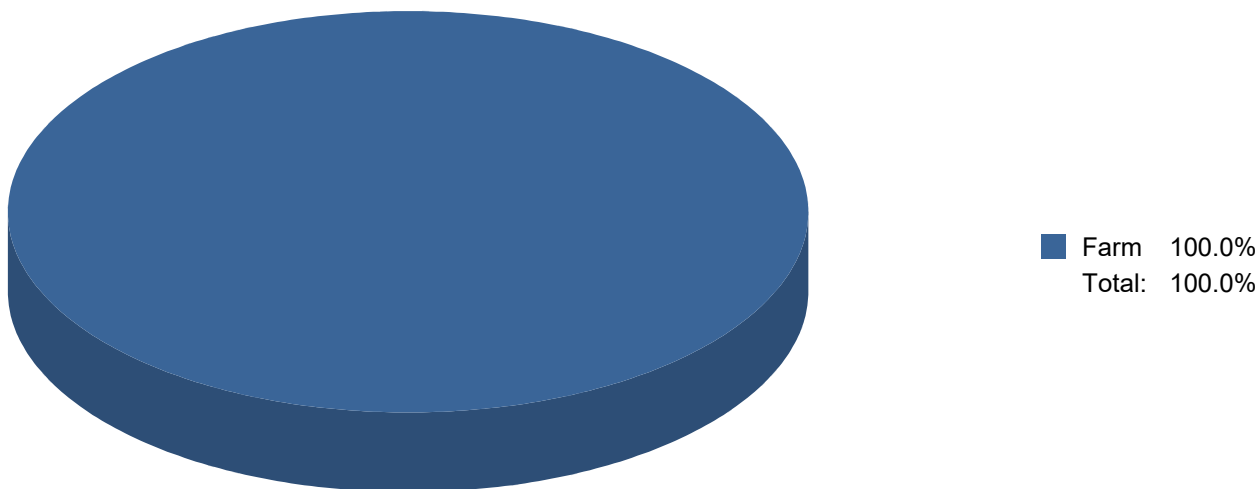


Carbon Calculator Results

Business Name: Damar Boerdery (Pty) Ltd
Country Name: South Africa
Creation Date: 8/13/2025 7:53:55AM
Data Collection Period: Jul 2024 to Jun 2025
Report Grade: B1 - This dataset has been checked by CCC and is part of the benchmark.

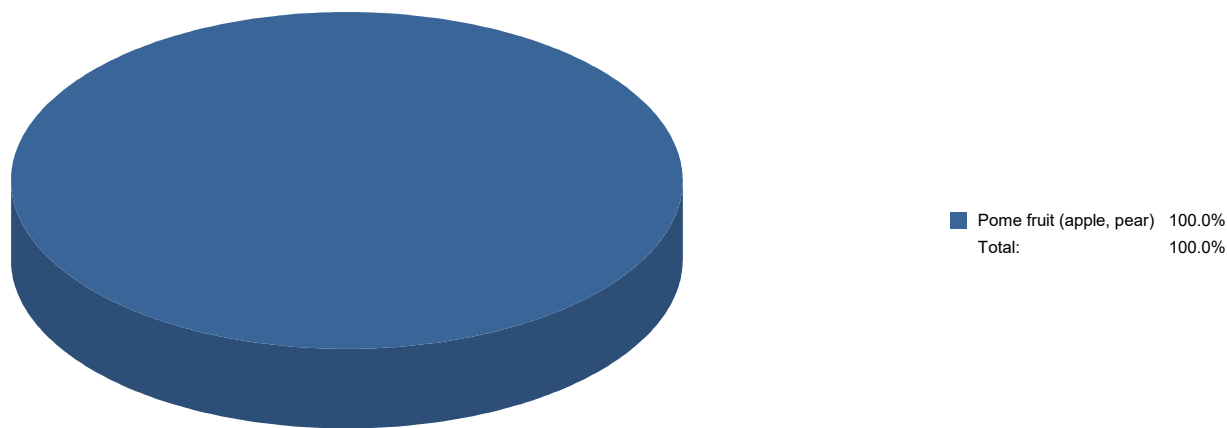
Business Unit - Boundary View



Boundary	Tonne CO ₂ e	%
Farm	452.14	100.00
Total	452.14	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 Unit - Commodity View



Commodity	Tonne CO ₂ e	%
Pome fruit (apple, pear)	452.14	100.00
Total	452.14	100.00

Business Name:

Damar Boerdery (Pty) Ltd

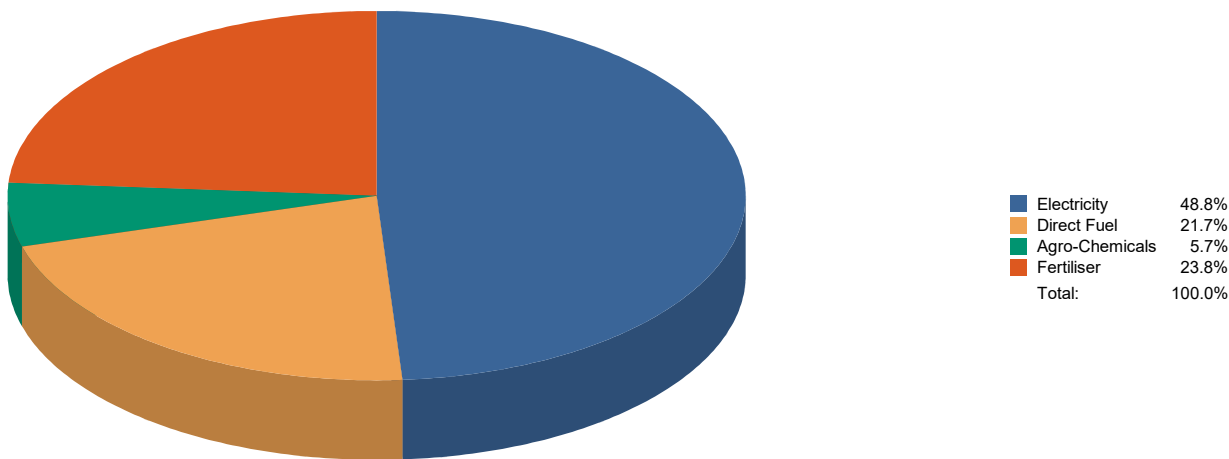
Dataset:

8/13/2025 7:53:55AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	220.76	48.82
Direct Fuel	98.24	21.73
Agro-Chemicals	25.55	5.65
Fertiliser	107.59	23.80
Total	452.14	100.00

Business Name:

Damar Boerdery (Pty) Ltd

Dataset:

8/13/2025 7:53:55AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Pome fruit (apple, pear)	0.07	The CCC regional average is 0.11 Kg CO2e per Kg Fruit and consist of 95 data points.

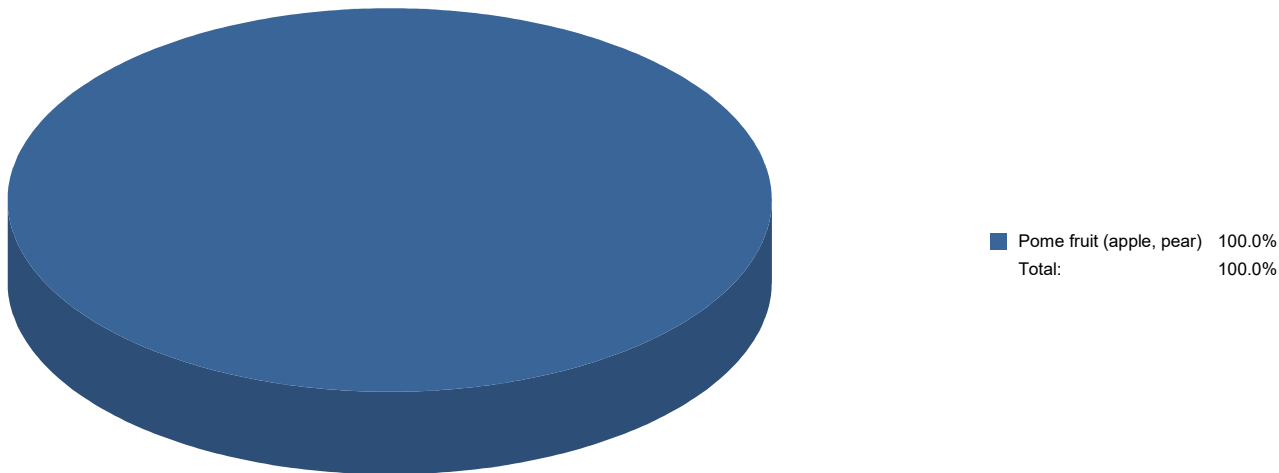
Farm Hectare Breakdown

Commodity	Tonne CO ₂ e per Bearing Ha
Pome fruit (apple, pear)	5.60

Farm Scope Breakdown

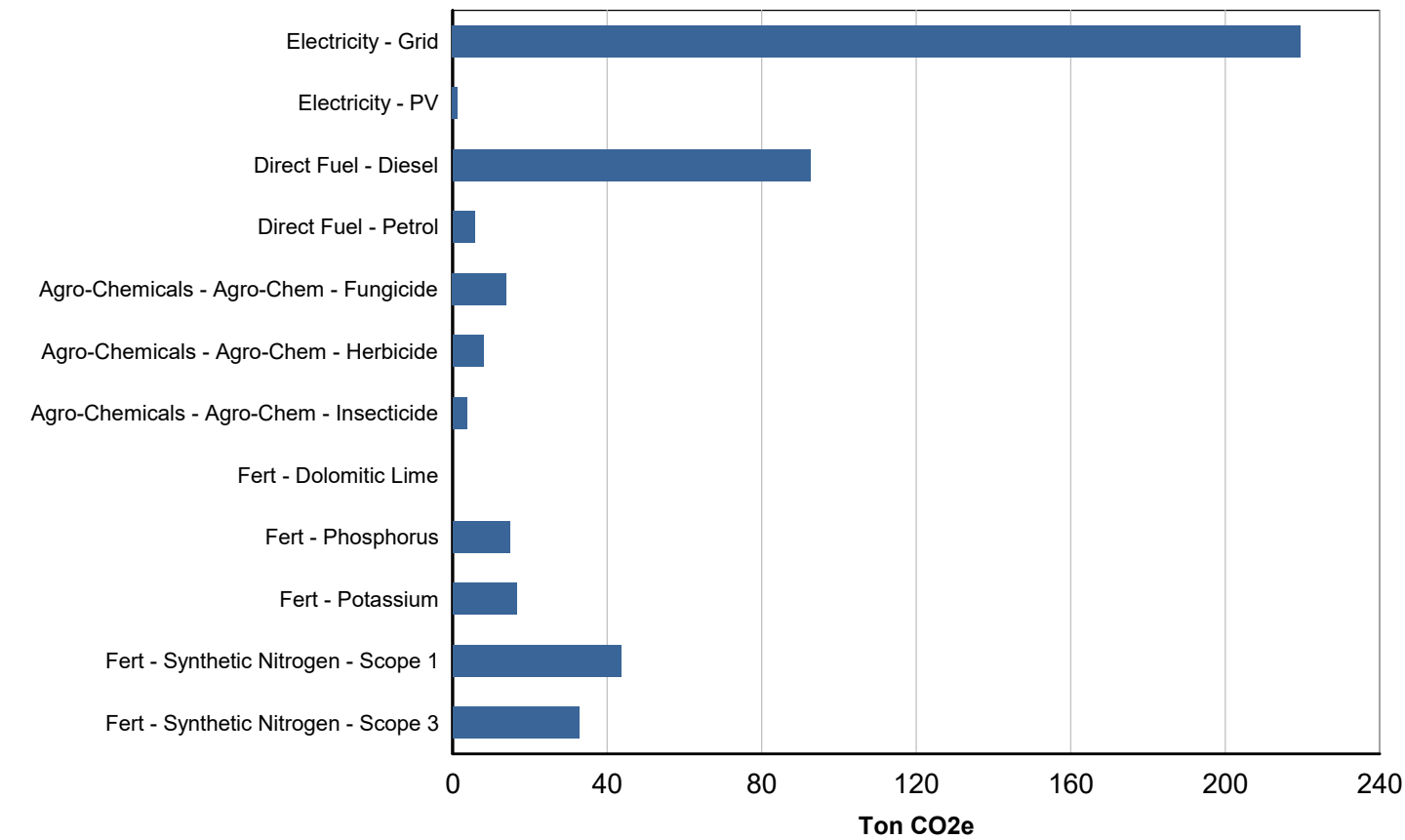
	Tonne CO ₂ e	%
Scope 1	143.14	31.66
Scope 2	219.44	48.53
Scope 3	89.56	19.81
Total	452.14	100.00

Farm - Commodity View



Commodity	Tonne CO ₂ e	%
Pome fruit (apple, pear)	452.14	100.00
Total	452.14	100.00

Farm - Emission Source Breakdown



Emission Source	Tonne CO ₂ e	%
Electricity - Grid	219.44	48.53
Electricity - PV	1.31	0.29
Direct Fuel - Diesel	92.56	20.47
Direct Fuel - Petrol	5.68	1.26
Agro-Chemicals - Agro-Chem - Fungicide	13.88	3.07
Agro-Chemicals - Agro-Chem - Herbicide	7.92	1.75
Agro-Chemicals - Agro-Chem - Insecticide	3.76	0.83
Fert - Dolomitic Lime	0.02	0.00
Fert - Phosphorus	14.74	3.26
Fert - Potassium	16.56	3.66
Fert - Synthetic Nitrogen - Scope 1	43.59	9.64
Fert - Synthetic Nitrogen - Scope 3	32.69	7.23

Business Name: Damar Boerdery (Pty) Ltd
Dataset: 8/13/2025 7:53:55AM
Data Collection Period: Jul 2024 to Jun 2025

Total	452.14	100.00
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Business Name:

Damar Boerdery (Pty) Ltd

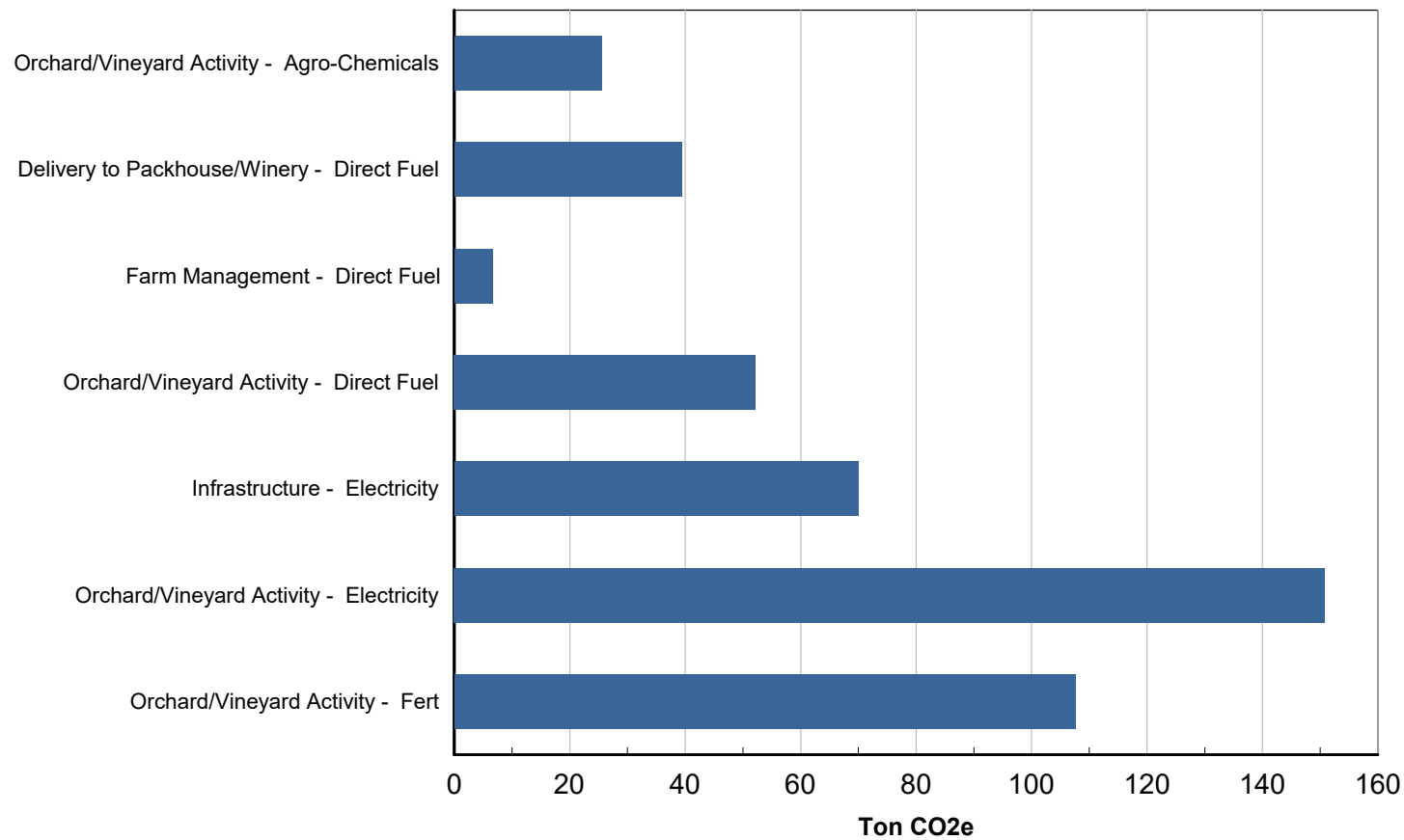
Dataset:

8/13/2025 7:53:55AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm - Activity Breakdown



Activity Breakdown	Tonne CO ₂ e	%
Orchard/Vineyard Activity - Agro-Chemicals	25.55	5.65
Delivery to Packhouse/Winery - Direct Fuel	39.39	8.71
Farm Management - Direct Fuel	6.66	1.47
Orchard/Vineyard Activity - Direct Fuel	52.19	11.54
Infrastructure - Electricity	69.96	15.47
Orchard/Vineyard Activity - Electricity	150.79	33.35
Orchard/Vineyard Activity - Fert	107.59	23.80
Total	452.14	100.00

Business Name: Damar Boerdery (Pty) Ltd
Dataset: 8/13/2025 7:53:55AM
Data Collection Period: Jul 2024 to Jun 2025

Detailed Carbon Emissions Breakdown

Detailed Activities	Tonne CO ₂ e	%
Electricity - Grid - Orchard/Vineyard Activity - BO	136.41	30.17
Electricity - Grid - Orchard/Vineyard Activity - NBO	13.49	2.98
Electricity - Grid - Infrastructure	69.55	15.38
Electricity - PV - Orchard/Vineyard Activity - BO	0.82	0.18
Electricity - PV - Orchard/Vineyard Activity - NBO	0.08	0.02
Electricity - PV - Infrastructure	0.42	0.09
Direct Fuel - Diesel - Orchard/Vineyard Activity - BO	47.49	10.50
Direct Fuel - Diesel - Orchard/Vineyard Activity - NBO	4.70	1.04
Direct Fuel - Diesel - Delivery to Packhouse/Winery	39.39	8.71
Direct Fuel - Diesel - Farm Management	0.98	0.22
Direct Fuel - Petrol - Farm Management	5.68	1.26
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - BO	49.36	10.92
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - NBO	26.92	5.95
Fert - - Phosphorus - Orchard/Vineyard Activity - BO	13.60	3.01
Fert - - Phosphorus - Orchard/Vineyard Activity - NBO	1.15	0.25
Fert - - Potassium - Orchard/Vineyard Activity - BO	15.91	3.52
Fert - - Potassium - Orchard/Vineyard Activity - NBO	0.65	0.14
Agro-Chemicals - Agro-Chem - Fungicide - Orchard/Vineyard Activity - BO	13.88	3.07
Agro-Chemicals - Agro-Chem - Insecticide - Orchard/Vineyard Activity - BO	3.76	0.83
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - BO	7.92	1.75
Fert - - Dolomitic Lime - Orchard/Vineyard Activity - BO	0.01	0.00
Fert - - Dolomitic Lime - Orchard/Vineyard Activity - NBO	0.00	0.00
Total	452.14	100.00

Business Name:

Damar Boerdery (Pty) Ltd

Dataset:

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Data Collection Period:

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Farm Consumption Benchmarks

Commodity	Consumption Measure	Result	Benchmark
Pome fruit (apple, pear)	kL Water per Ton Fruit	12.96	The CCC regional average is 76.88 kL Water per Ton Fruit and consist of 89 data points.
Pome fruit (apple, pear)	kL Water per Bearing Ha	1,145.38	The CCC regional average is 4820.33 kL Water per Bearing Ha and consist of 89 data points.
Pome fruit (apple, pear)	kL Water per Non-Bearing Ha	1,217.28	The CCC regional average is 3349.53 kL Water per Non-Bearing Ha and consist of 89 data points.
Pome fruit (apple, pear)	kWh Orchard / Vineyard Electricity per Ton Fruit	24.61	The CCC regional average is 47.21 kWh Orchard / Vineyard Electricity per Ton Fruit and consist of 89 data points.
Pome fruit (apple, pear)	kWh Orchard / Vineyard Electricity per Bearing Ha	2,175.58	The CCC regional average is 2595.80 kWh Orchard / Vineyard Electricity per Bearing Ha and consist of 89 data points.
Pome fruit (apple, pear)	Liters Orchard / Vineyard Diesel per Ton Fruit	3.00	The CCC regional average is 7.47 Liters Orchard / Vineyard Diesel per Ton Fruit and consist of 89 data points.
Pome fruit (apple, pear)	Liters Orchard / Vineyard Diesel per Bearing Ha	264.83	The CCC regional average is 432.77 Liters Orchard / Vineyard Diesel per Bearing Ha and consist of 89 data points.
Pome fruit (apple, pear)	Kg Pure N per Ton Fruit	0.53	The CCC regional average is 1.31 Kg Pure N per Ton Fruit and consist of 89 data points.
Pome fruit (apple, pear)	Kg Pure N per Bearing Ha	46.43	The CCC regional average is 78.37 Kg Pure N per Bearing Ha and consist of 89 data points.

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