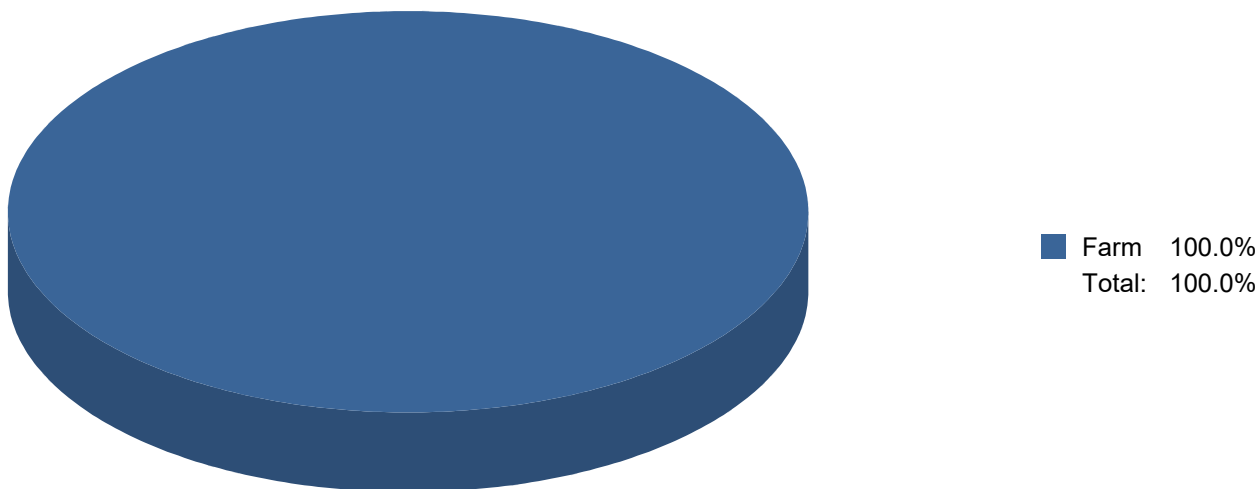


Carbon Calculator Results

Business Name: Radyn Proper Pty Ltd
Country Name: South Africa
Creation Date: 8/20/2025 6:55:02AM
Data Collection Period: Jul 2024 to Jun 2025
Report Grade: B1 - This dataset has been checked by CCC and is part of the benchmark.

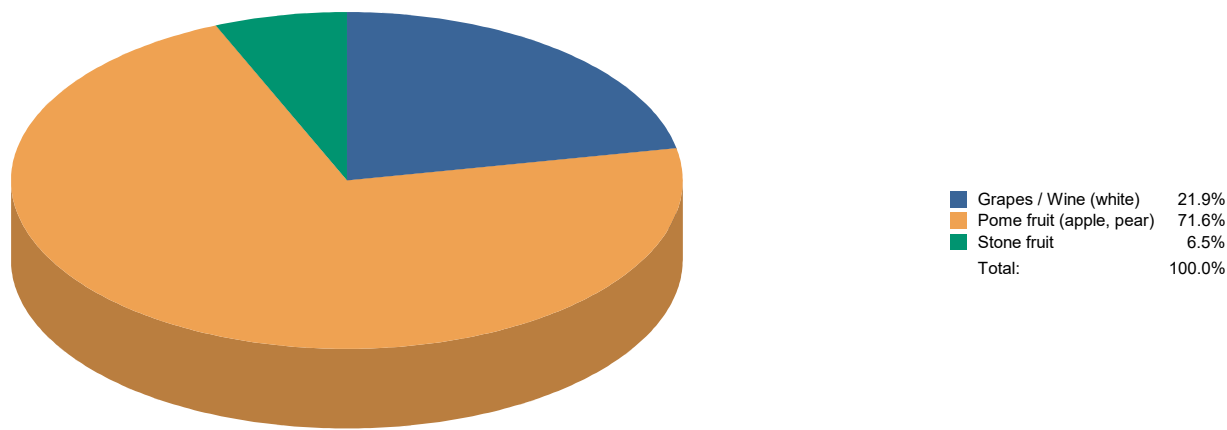
Business Unit - Boundary View



Boundary	Tonne CO ₂ e	%
Farm	55.88	100.00
Total	55.88	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	%
Grapes / Wine (white)	12.25	21.92
Pome fruit (apple, pear)	39.99	71.56
Stone fruit	3.64	6.52
Total	55.88	100.00

Business Name:

Radyn Proper Pty Ltd

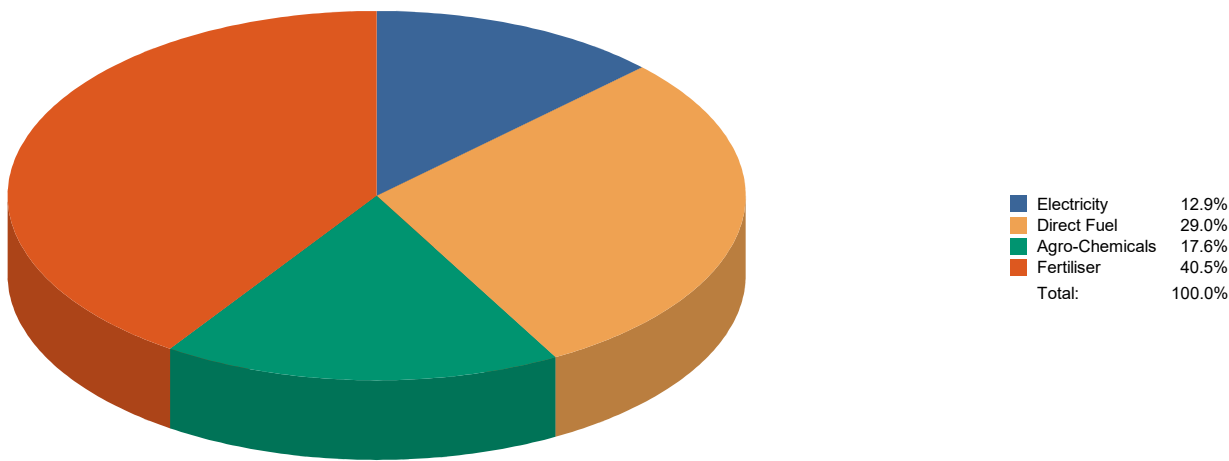
Dataset:

8/20/2025 6:55:02AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	7.20	12.89
Direct Fuel	16.20	28.98
Agro-Chemicals	9.83	17.59
Fertiliser	22.65	40.54
Total	55.88	100.00

Business Name:

Radyn Proper Pty Ltd

Dataset:

8/20/2025 6:55:02AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Grapes / Wine (white)	0.25	The CCC regional average is 0.39 Kg CO2e per Kg Fruit and consist of 29 data points.
Pome fruit (apple, pear)	0.03	The CCC regional average is 0.11 Kg CO2e per Kg Fruit and consist of 95 data points.
Stone fruit	0.02	The CCC regional average is 0.25 Kg CO2e per Kg Fruit and consist of 11 data points.

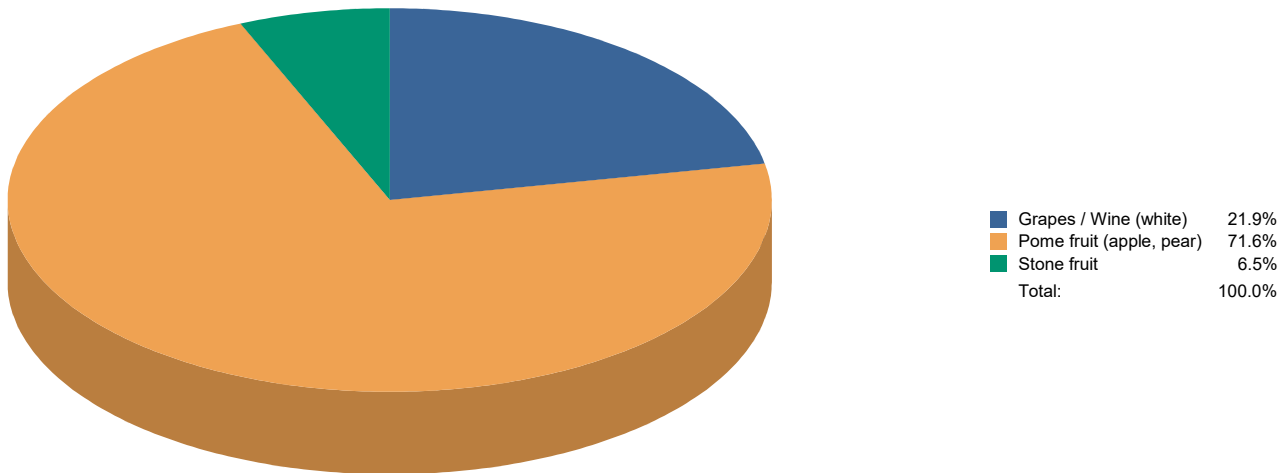
Farm Hectare Breakdown

Commodity	Tonne CO ₂ e per Bearing Ha
Grapes / Wine (white)	2.91
Pome fruit (apple, pear)	2.23
Stone fruit	0.81

Farm Scope Breakdown

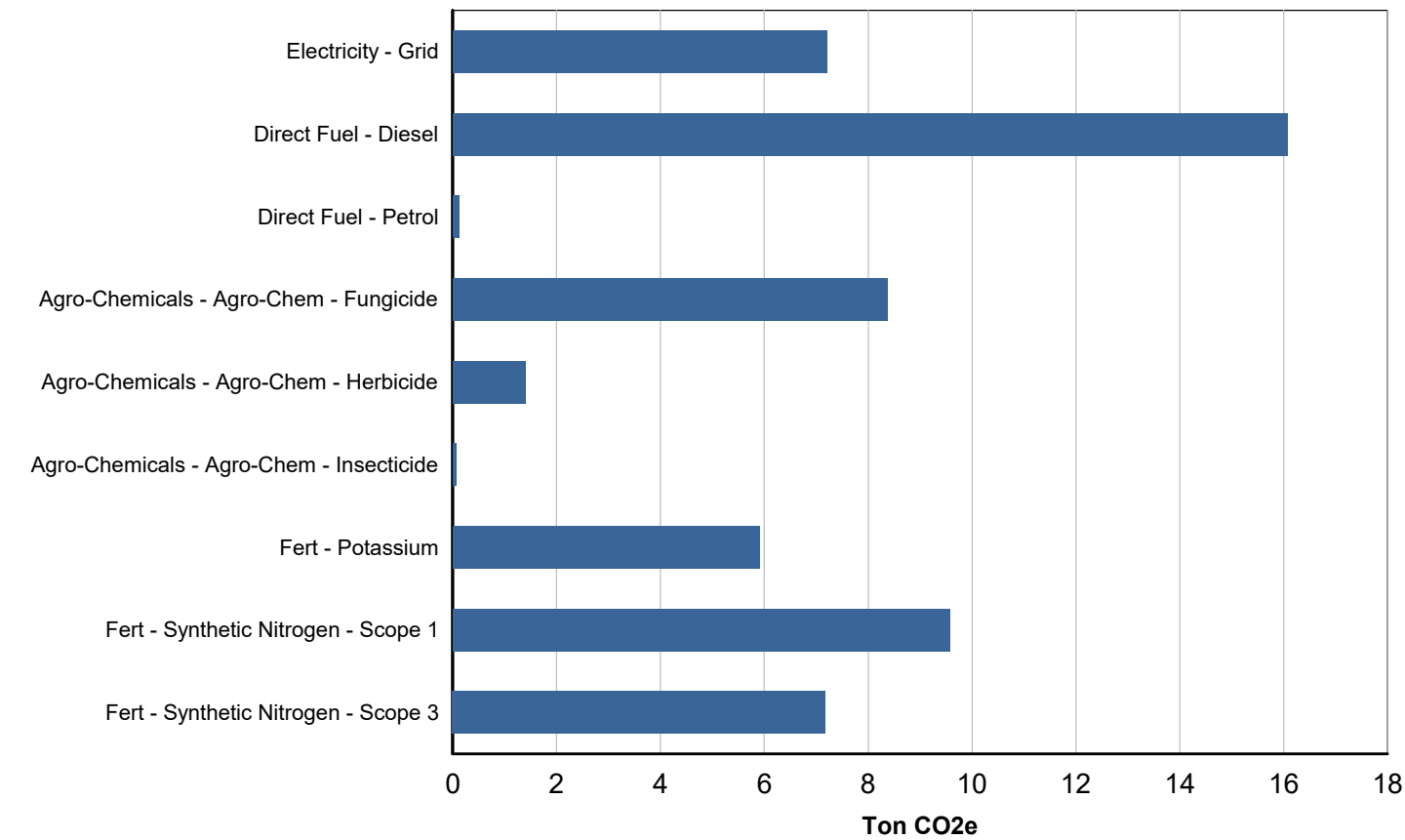
	Tonne CO ₂ e	%
Scope 1	25.77	46.11
Scope 2	7.20	12.89
Scope 3	22.91	41.00
Total	55.88	100.00

Farm - Commodity View



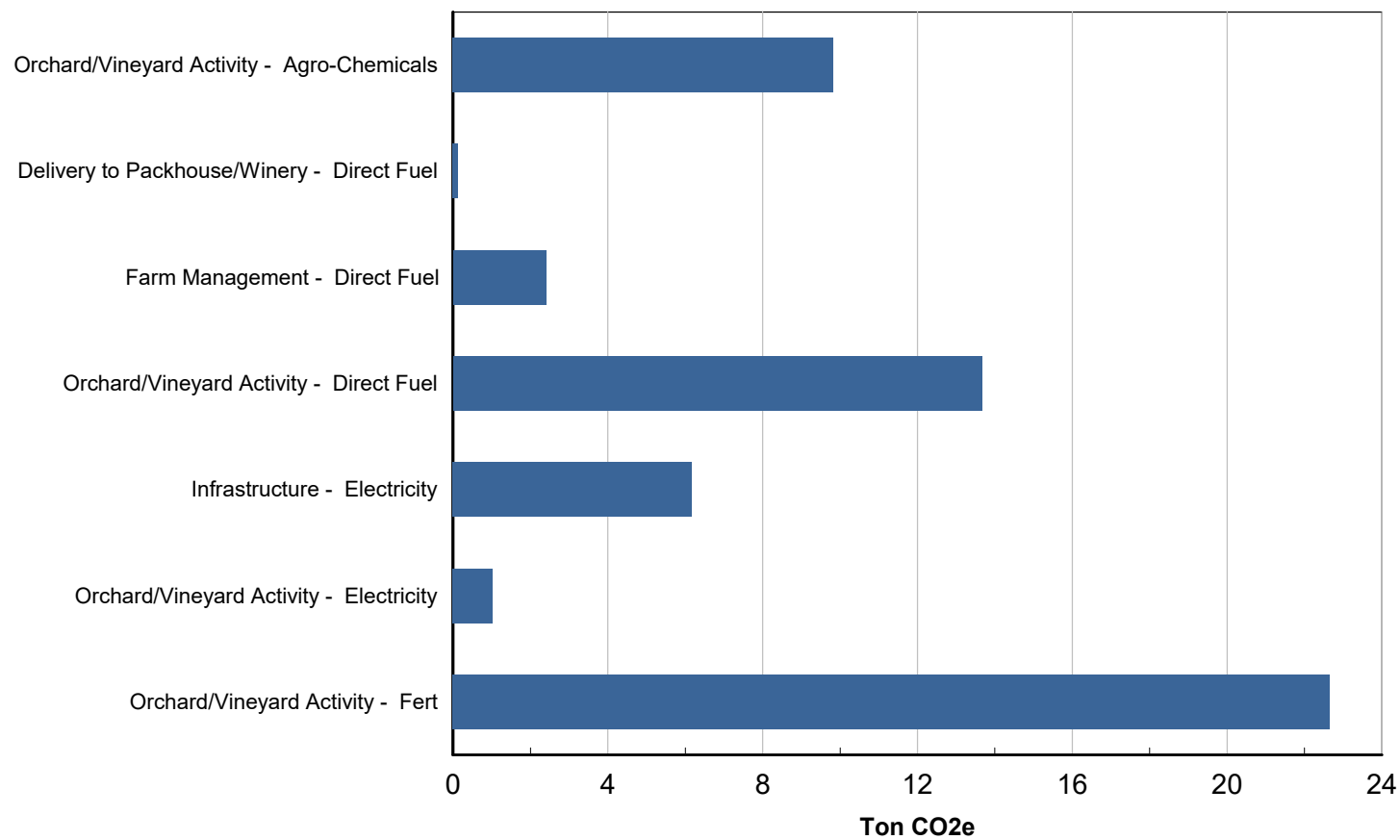
Commodity	Tonne CO ₂ e	%
Grapes / Wine (white)	12.25	21.92
Pome fruit (apple, pear)	39.99	71.56
Stone fruit	3.64	6.52
Total	55.88	100.00

Farm - Emission Source Breakdown



Emission Source	Tonne CO ₂ e	%
Electricity - Grid	7.20	12.89
Direct Fuel - Diesel	16.07	28.76
Direct Fuel - Petrol	0.12	0.22
Agro-Chemicals - Agro-Chem - Fungicide	8.37	14.98
Agro-Chemicals - Agro-Chem - Herbicide	1.40	2.50
Agro-Chemicals - Agro-Chem - Insecticide	0.06	0.10
Fert - Potassium	5.90	10.57
Fert - Synthetic Nitrogen - Scope 1	9.57	17.13
Fert - Synthetic Nitrogen - Scope 3	7.18	12.85
Total	55.88	100.00

Farm - Activity Breakdown



Activity Breakdown	Tonne CO ₂ e	%
Orchard/Vineyard Activity - Agro-Chemicals	9.83	17.59
Delivery to Packhouse/Winery - Direct Fuel	0.12	0.22
Farm Management - Direct Fuel	2.41	4.31
Orchard/Vineyard Activity - Direct Fuel	13.66	24.45
Infrastructure - Electricity	6.17	11.05
Orchard/Vineyard Activity - Electricity	1.03	1.84
Orchard/Vineyard Activity - Fert	22.65	40.54
Total	55.88	100.00

Business Name:Radyn Proper Pty Ltd

Dataset:8/20/2025 6:55:02AM

Data Collection Period:Jul 2024 to Jun 2025

Detailed Carbon Emissions Breakdown

Detailed Activities	Tonne CO ₂ e	%
Electricity - Grid - Orchard/Vineyard Activity - BO	1.03	1.84
Electricity - Grid - Infrastructure	6.17	11.05
Direct Fuel - Diesel - Orchard/Vineyard Activity - BO	13.66	24.45
Direct Fuel - Diesel - Farm Management	2.41	4.31
Direct Fuel - Petrol - Delivery to Packhouse/Winery	0.12	0.22
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - BO	16.18	28.96
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - NBO	0.57	1.01
Fert - - Potassium - Orchard/Vineyard Activity - BO	5.90	10.57
Agro-Chemicals - Agro-Chem - Fungicide - Orchard/Vineyard Activity - BO	8.37	14.97
Agro-Chemicals - Agro-Chem - Fungicide - Orchard/Vineyard Activity - NBO	0.00	0.01
Agro-Chemicals - Agro-Chem - Insecticide - Orchard/Vineyard Activity - BO	0.06	0.10
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - BO	1.32	2.36
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - NBO	0.08	0.14
Total	55.88	100.00

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Dataset:8/20/2025 6:55:02AM

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Farm Consumption Benchmarks

Grapes / Wine (white)	Liters Orchard / Vineyard Diesel per Ton Fruit	96.40	The CCC regional average is 31.55 Liters Orchard / Vineyard Diesel per Ton Fruit and consist of 27 data points.
Grapes / Wine (white)	Liters Orchard / Vineyard Diesel per Bearing Ha	1,112.41	The CCC regional average is 294.99 Liters Orchard / Vineyard Diesel per Bearing Ha and consist of 27 data points.

Pome fruit (apple, pear)	kWh Orchard / Vineyard Electricity per Ton Fruit	0.70	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	57.68	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	0.38	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	31.29	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	0.74	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	61.09	The CCC regional average is 78.37 Kg Pure N per Bearing Ha and consist of 89 data points.

Stone fruit	Liters Orchard / Vineyard Diesel per Ton Fruit	1.71	The CCC regional average is 32.11 Liters Orchard / Vineyard Diesel per Ton Fruit and consist of 8 data points.
Stone fruit	Liters Orchard / Vineyard Diesel per Bearing Ha	61.22	The CCC regional average is 944.74 Liters Orchard / Vineyard Diesel per Bearing Ha and consist of 8 data points.
Stone fruit	Kg Pure N per Ton Fruit	0.16	The CCC regional average is 1.55 Kg Pure N per Ton Fruit and consist of 8 data points.
Stone fruit	Kg Pure N per Bearing Ha	5.60	The CCC regional average is 45.38 Kg Pure N per Bearing Ha and consist of 8 data points.

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