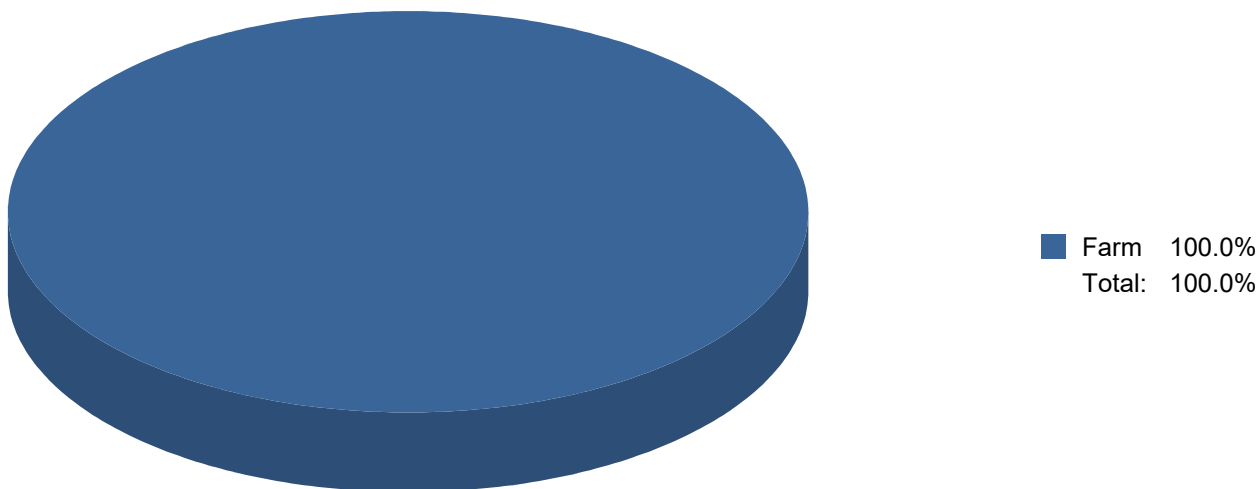


Carbon Calculator Results

Business Name: Hutton-Squire Farms
Country Name: South Africa
Creation Date: 8/20/2025 9:17:21AM
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	1,899.82	100.00
Total	1,899.82	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:

Hutton-Squire Farms

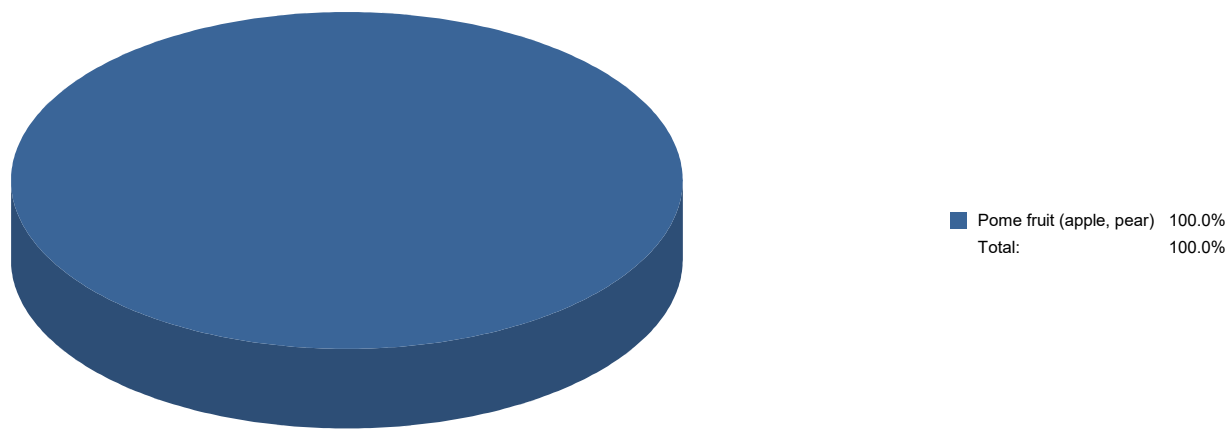
Dataset:

8/20/2025 9:17:21AM

Data Collection Period:

Jul 2024 to Jun 2025

Business Unit - Commodity View



Commodity	Tonne CO ₂ e	%
Pome fruit (apple, pear)	1,899.82	100.00
Total	1,899.82	100.00

Business Name:

Hutton-Squire Farms

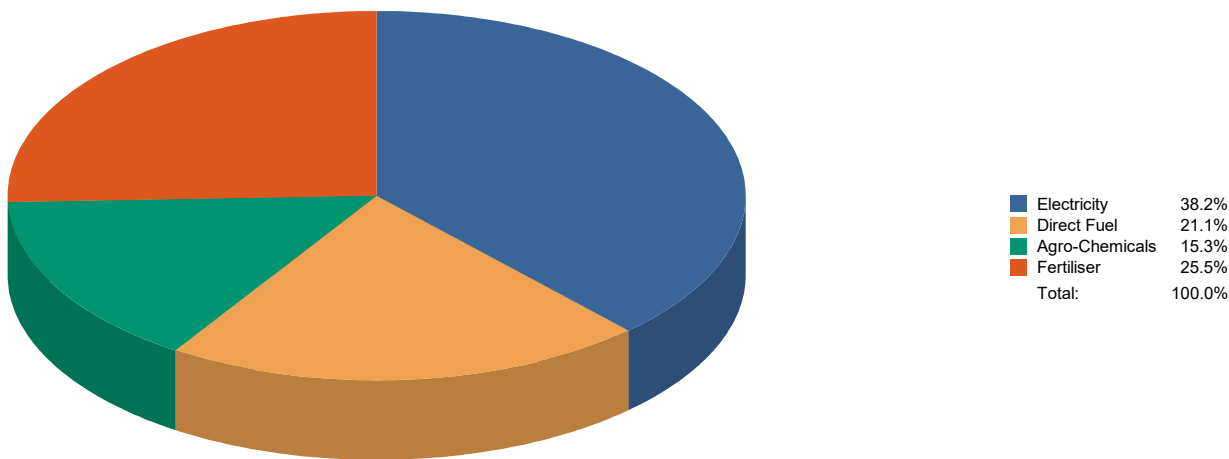
Dataset:

8/20/2025 9:17:21AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	724.95	38.16
Direct Fuel	400.33	21.07
Agro-Chemicals	290.61	15.30
Fertiliser	483.93	25.47
Total	1,899.82	100.00

Business Name:

Hutton-Squire Farms

Dataset:

8/20/2025 9:17:21AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Pome fruit (apple, pear)	0.10	The CCC regional average is 0.11 Kg CO2e per Kg Fruit and consist of 107 data points.

Farm Hectare Breakdown

Commodity	Tonne CO ₂ e per Bearing Ha
Pome fruit (apple, pear)	7.13

Farm Scope Breakdown

	Tonne CO ₂ e	%
Scope 1	620.34	32.65
Scope 2	724.95	38.16
Scope 3	554.53	29.19
Total	1,899.82	100.00

Business Name:

Hutton-Squire Farms

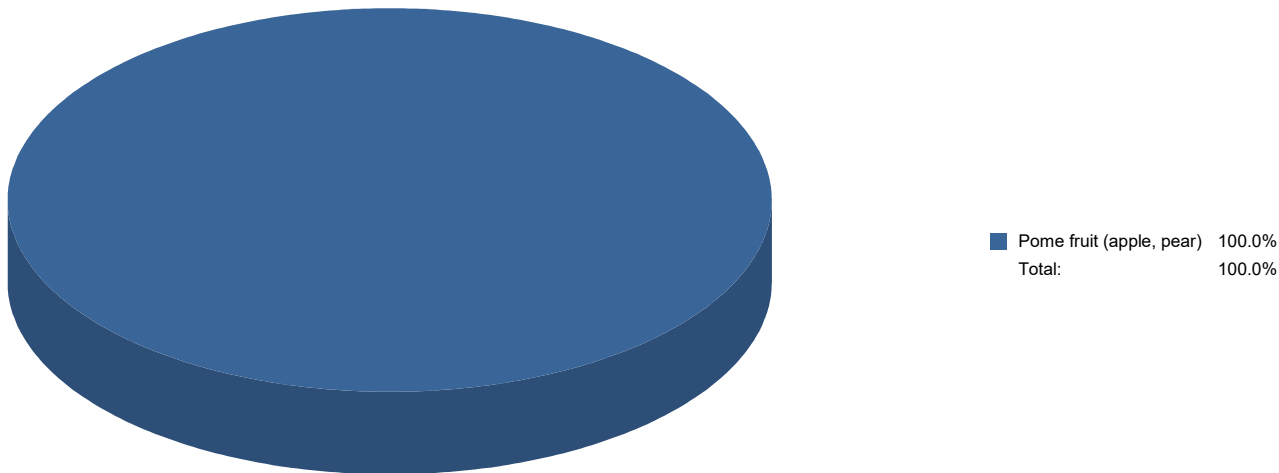
Dataset:

8/20/2025 9:17:21AM

Data Collection Period:

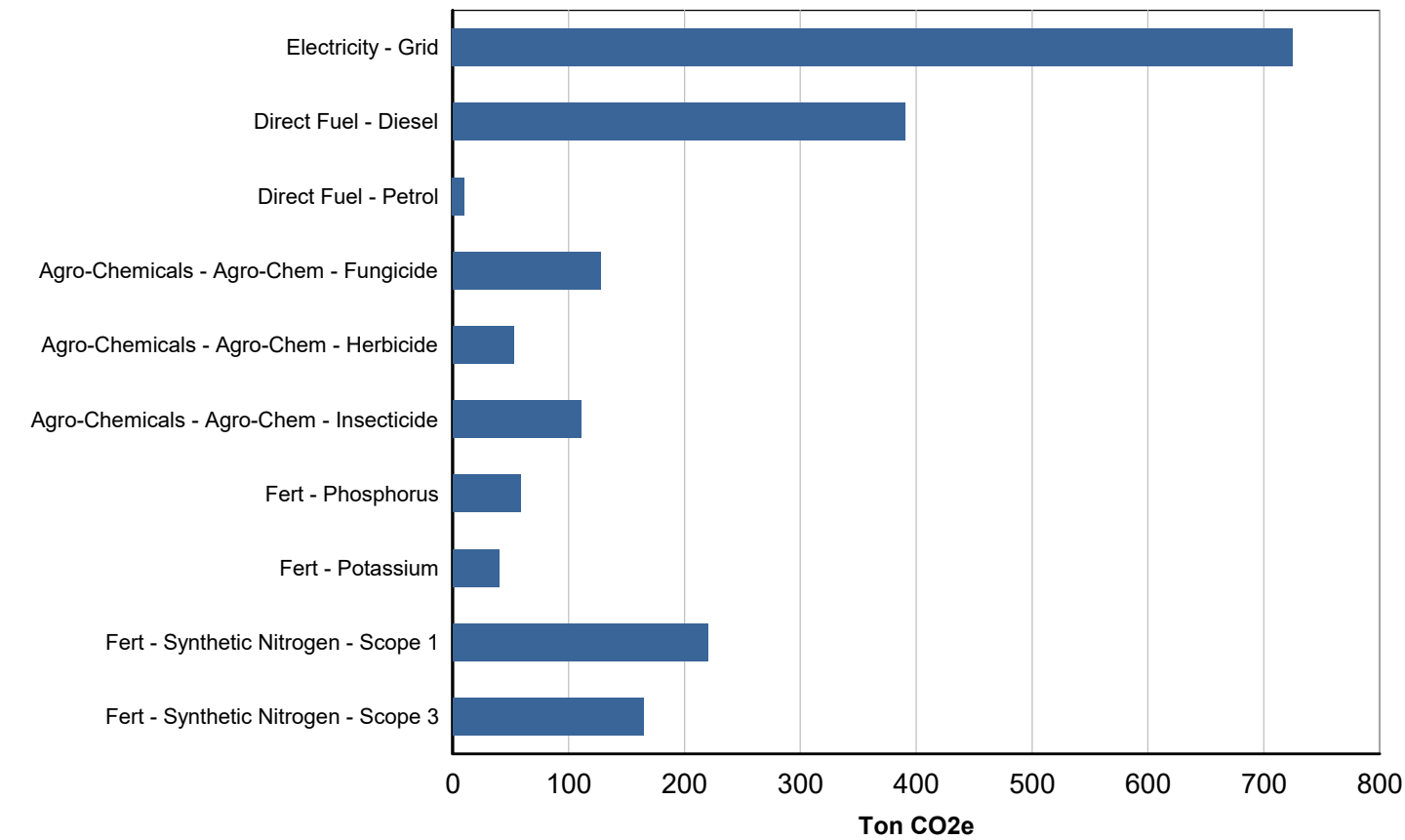
Jul 2024 to Jun 2025

Farm - Commodity View



Commodity	Tonne CO ₂ e	%
Pome fruit (apple, pear)	1,899.82	100.00
Total	1,899.82	100.00

Farm - Emission Source Breakdown



Emission Source	Tonne CO ₂ e	%
Electricity - Grid	724.95	38.16
Direct Fuel - Diesel	390.15	20.54
Direct Fuel - Petrol	10.17	0.54
Agro-Chemicals - Agro-Chem - Fungicide	127.27	6.70
Agro-Chemicals - Agro-Chem - Herbicide	52.91	2.78
Agro-Chemicals - Agro-Chem - Insecticide	110.43	5.81
Fert - Phosphorus	58.76	3.09
Fert - Potassium	40.16	2.11
Fert - Synthetic Nitrogen - Scope 1	220.01	11.58
Fert - Synthetic Nitrogen - Scope 3	165.01	8.69
Total	1,899.82	100.00

Business Name:

Hutton-Squire Farms

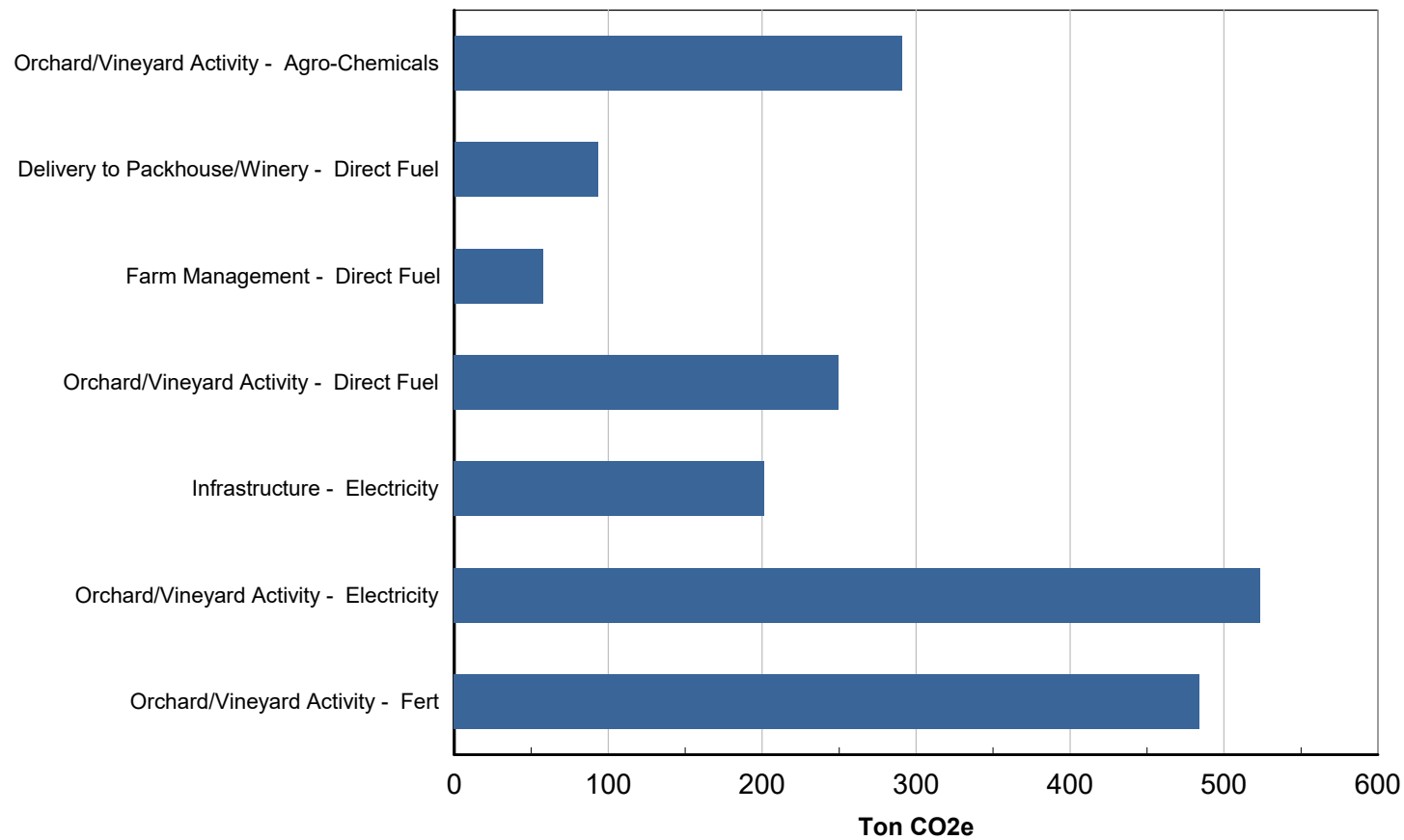
Dataset:

8/20/2025 9:17:21AM

Data Collection Period:

Jul 2024 to Jun 2025

Farm - Activity Breakdown



Activity Breakdown	Tonne CO ₂ e	%
Orchard/Vineyard Activity - Agro-Chemicals	290.61	15.30
Delivery to Packhouse/Winery - Direct Fuel	93.19	4.90
Farm Management - Direct Fuel	57.52	3.03
Orchard/Vineyard Activity - Direct Fuel	249.62	13.14
Infrastructure - Electricity	201.37	10.60
Orchard/Vineyard Activity - Electricity	523.57	27.56
Orchard/Vineyard Activity - Fert	483.93	25.47
Total	1,899.82	100.00

Business Name: Hutton-Squire Farms

Dataset: 8/20/2025 9:17:21AM

Data Collection Period: Jul 2024 to Jun 2025

Detailed Carbon Emissions Breakdown

Detailed Activities	Tonne CO ₂ e	%
Electricity - Grid - Orchard/Vineyard Activity - BO	471.22	24.80
Electricity - Grid - Orchard/Vineyard Activity - NBO	52.36	2.76
Electricity - Grid - Infrastructure	201.37	10.60
Direct Fuel - Diesel - Orchard/Vineyard Activity - BO	230.16	12.11
Direct Fuel - Diesel - Orchard/Vineyard Activity - NBO	12.11	0.64
Direct Fuel - Diesel - Delivery to Packhouse/Winery	93.19	4.90
Direct Fuel - Diesel - Farm Management	54.70	2.88
Direct Fuel - Petrol - Orchard/Vineyard Activity	7.35	0.39
Direct Fuel - Petrol - Farm Management	2.83	0.15
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - BO	365.76	19.25
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - NBO	19.25	1.01
Fert - - Phosphorus - Orchard/Vineyard Activity - BO	55.82	2.94
Fert - - Phosphorus - Orchard/Vineyard Activity - NBO	2.94	0.15
Fert - - Potassium - Orchard/Vineyard Activity - BO	38.15	2.01
Fert - - Potassium - Orchard/Vineyard Activity - NBO	2.01	0.11
Agro-Chemicals - Agro-Chem - Fungicide - Orchard/Vineyard Activity - BO	120.91	6.36
Agro-Chemicals - Agro-Chem - Fungicide - Orchard/Vineyard Activity - NBO	6.36	0.33
Agro-Chemicals - Agro-Chem - Insecticide - Orchard/Vineyard Activity - BO	104.91	5.52
Agro-Chemicals - Agro-Chem - Insecticide - Orchard/Vineyard Activity - NBO	5.52	0.29
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - BO	50.26	2.65
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - NBO	2.65	0.14
Total	1,899.82	100.00

Business Name:

Hutton-Squire Farms

Dataset:

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Data Collection Period:

Jul 2024 to Jun 2025

Farm Consumption Benchmarks

Commodity	Consumption Measure	Result	Benchmark
Pome fruit (apple, pear)	kL Water per Ton Fruit	80.53	The CCC regional average is 74.67 kL Water per Ton Fruit and consist of 101 data points.
Pome fruit (apple, pear)	kL Water per Bearing Ha	6,000.00	The CCC regional average is 4661.73 kL Water per Bearing Ha and consist of 101 data points.
Pome fruit (apple, pear)	kL Water per Non-Bearing Ha	4,000.00	The CCC regional average is 3109.18 kL Water per Non-Bearing Ha and consist of 101 data points.
Pome fruit (apple, pear)	kWh Orchard / Vineyard Electricity per Ton Fruit	24.78	The CCC regional average is 47.36 kWh Orchard / Vineyard Electricity per Ton Fruit and consist of 101 data points.
Pome fruit (apple, pear)	kWh Orchard / Vineyard Electricity per Bearing Ha	1,845.90	The CCC regional average is 2647.15 kWh Orchard / Vineyard Electricity per Bearing Ha and consist of 101 data points.
Pome fruit (apple, pear)	Liters Orchard / Vineyard Diesel per Ton Fruit	4.94	The CCC regional average is 7.34 Liters Orchard / Vineyard Diesel per Ton Fruit and consist of 101 data points.
Pome fruit (apple, pear)	Liters Orchard / Vineyard Diesel per Bearing Ha	368.34	The CCC regional average is 429.32 Liters Orchard / Vineyard Diesel per Bearing Ha and consist of 101 data points.
Pome fruit (apple, pear)	Kg Pure N per Ton Fruit	1.33	The CCC regional average is 1.29 Kg Pure N per Ton Fruit and consist of 101 data points.
Pome fruit (apple, pear)	Kg Pure N per Bearing Ha	98.74	The CCC regional average is 77.57 Kg Pure N per Bearing Ha and consist of 101 data points.

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