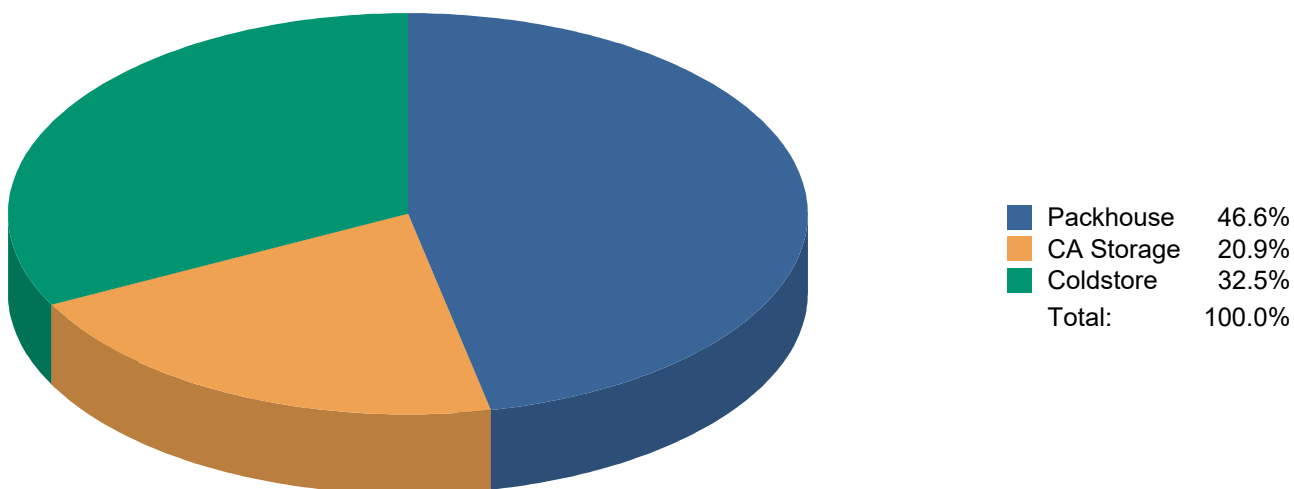


Carbon Calculator Results

Business Name: Graaff Fruit - Packhouse
Country Name: South Africa
Creation Date: 2025/11/10 14:45:13
Data Collection Period: Jul 2024 to Jun 2025
Report Grade: B1 - This dataset has been checked by CCC and is part of the benchmark.

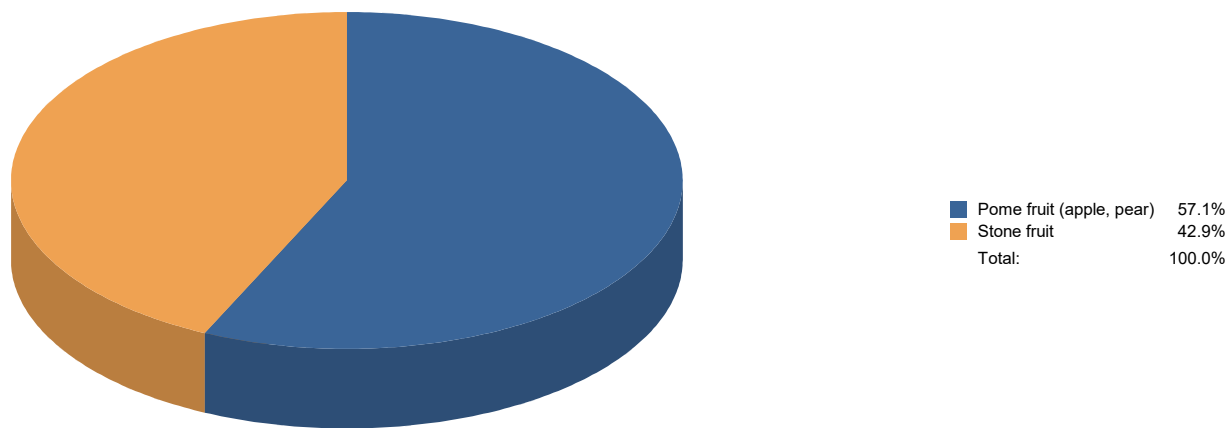
Business Unit - Boundary View



Boundary	Tonne CO ₂ e	%
Packhouse	2,228.48	46.58
CA Storage	1,001.65	20.94
Coldstore	1,554.29	32.49
Total	4,784.42	100.00

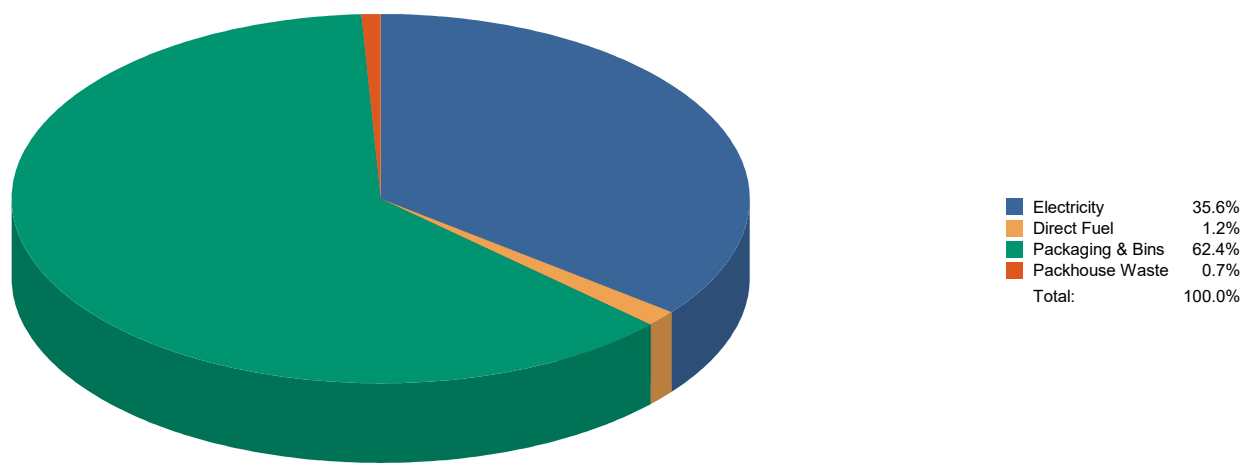
The Carbon Calculator must be completed on an annual basis. This allows users to monitor their carbon footprint trend and analyse improvements.

Business Unit - Commodity View



Commodity	Tonne CO ₂ e	%
Pome fruit (apple, pear)	2,730.16	57.06
Stone fruit	2,054.26	42.94
Total	4,784.42	100.00

Packhouse - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	794.41	35.65
Direct Fuel	27.01	1.21
Packaging & Bins	1,390.59	62.40
Packhouse Waste	16.48	0.74
Total	2,228.48	100.00

Business Name:

Graaff Fruit - Packhouse

Dataset:

2025/11/10 14:45:13

Data Collection Period:

Jul 2024 to Jun 2025

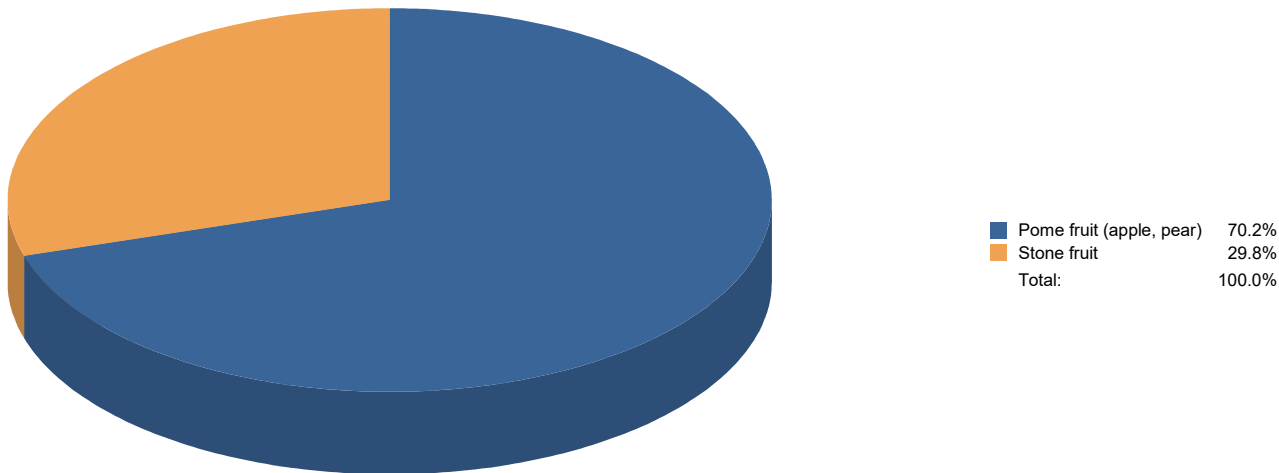
Packhouse Commodity Benchmark

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 58 data points.
Stone fruit	0.07	The CCC regional average is 0.16 Kg CO2e per Kg Fruit and consist of 52 data points.

Packhouse Scope Breakdown

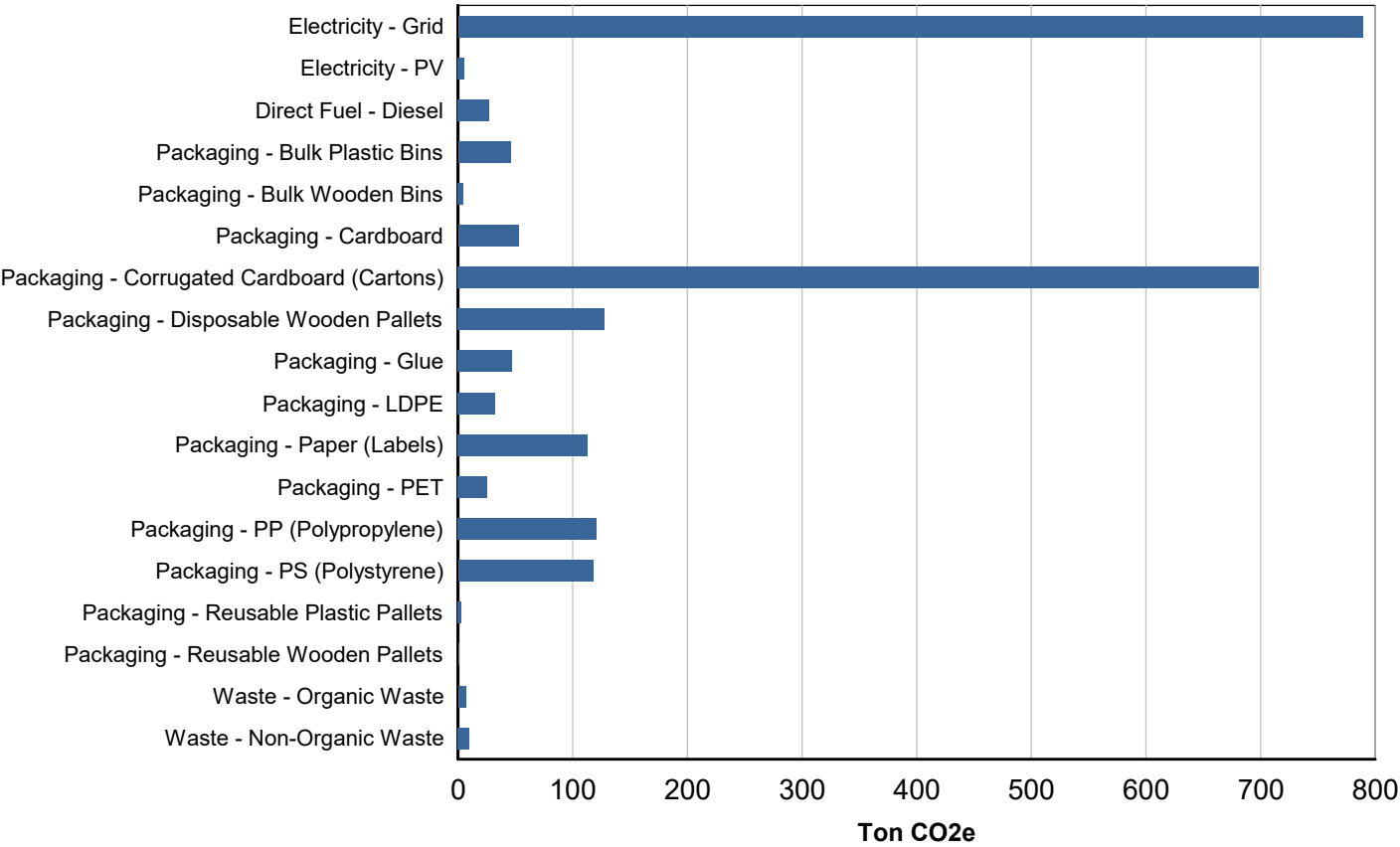
	Tonne CO ₂ e	%
Scope 1	39.49	1.77
Scope 2	788.90	35.40
Scope 3	1,400.10	62.83
Total	2,228.48	100.00

Packhouse - Commodity View



Commodity	Tonne CO ₂ e	%
Pome fruit (apple, pear)	1,564.81	70.22
Stone fruit	663.68	29.78
Total	2,228.48	100.00

Packhouse - Emission Source Breakdown



Emission Source	Tonne CO ₂ e	%
Electricity - Grid	788.90	35.40
Electricity - PV	5.51	0.25
Direct Fuel - Diesel	27.01	1.21
Packaging - Bulk Plastic Bins	45.92	2.06
Packaging - Bulk Wooden Bins	4.65	0.21
Packaging - Cardboard	52.86	2.37
Packaging - Corrugated Cardboard (Cartons)	698.68	31.35
Packaging - Disposable Wooden Pallets	127.93	5.74
Packaging - Glue	47.22	2.12
Packaging - LDPE	32.31	1.45
Packaging - Paper (Labels)	113.06	5.07
Packaging - PET	25.75	1.16

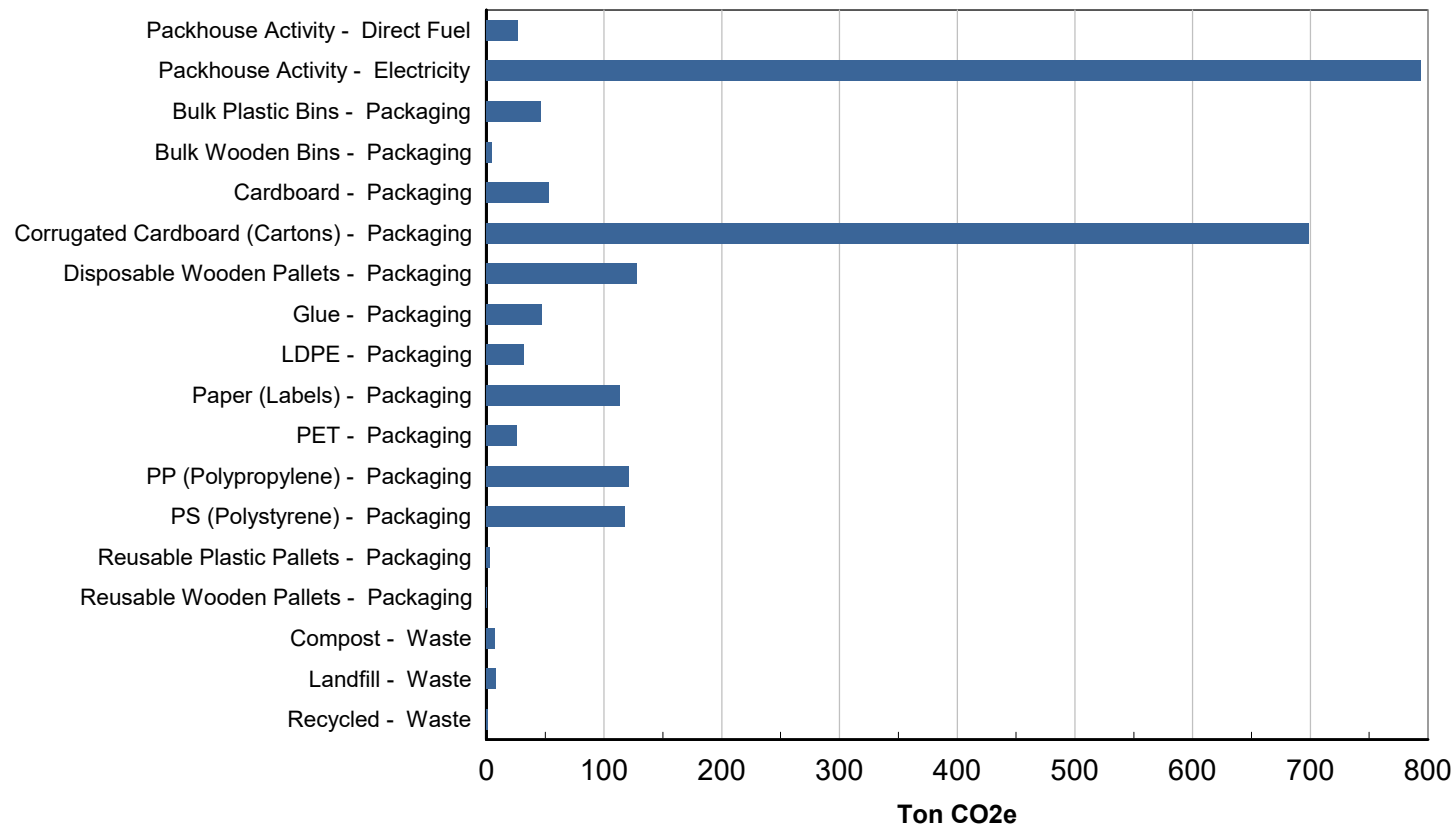
Business Name: Graaff Fruit - Packhouse

Dataset: 2025/11/10 14:45:13

Data Collection Period: Jul 2024 to Jun 2025

Packaging - PP (Polypropylene)	121.06	5.43
Packaging - PS (Polystyrene)	117.80	5.29
Packaging - Reusable Plastic Pallets	2.69	0.12
Packaging - Reusable Wooden Pallets	0.67	0.03
Waste - Organic Waste	6.97	0.31
Waste - Non-Organic Waste	9.51	0.43
Total	2,228.48	100.00

Packhouse - Activity Breakdown



Activity Breakdown	Tonne CO ₂ e	%
Packhouse Activity - Direct Fuel	27.01	1.21
Packhouse Activity - Electricity	794.41	35.65
Bulk Plastic Bins - Packaging	45.92	2.06
Bulk Wooden Bins - Packaging	4.65	0.21
Cardboard - Packaging	52.86	2.37
Corrugated Cardboard (Cartons) - Packaging	698.68	31.35
Disposable Wooden Pallets - Packaging	127.93	5.74
Glue - Packaging	47.22	2.12
LDPE - Packaging	32.31	1.45
Paper (Labels) - Packaging	113.06	5.07
PET - Packaging	25.75	1.16
PP (Polypropylene) - Packaging	121.06	5.43
PS (Polystyrene) - Packaging	117.80	5.29
Reusable Plastic Pallets - Packaging	2.69	0.12

Business Name: Graaff Fruit - Packhouse

Dataset: 2025/11/10 14:45:13

Data Collection Period: Jul 2024 to Jun 2025

Reusable Wooden Pallets - Packaging	0.67	0.03
Compost - Waste	6.97	0.31
Landfill - Waste	7.96	0.36
Recycled - Waste	1.55	0.07
Total	2,228.48	100.00

Business Name:Graaff Fruit - Packhouse

Dataset:2025/11/10 14:45:13

Data Collection Period:Jul 2024 to Jun 2025

Detailed Carbon Emissions Breakdown

Detailed Activities	Tonne CO ₂ e	%
Electricity - Grid - Packhouse Activity	788.90	35.40
Electricity - PV - Packhouse Activity	5.51	0.25
Direct Fuel - Diesel - Packhouse Activity	27.01	1.21
Packaging - Cardboard - Cardboard	52.86	2.37
Packaging - Corrugated Cardboard (Cartons) - Corrugated Cardboard (Cartons)	698.68	31.35
Packaging - Paper (Labels) - Paper (Labels)	113.06	5.07
Packaging - PS (Polystyrene) - PS (Polystyrene)	117.80	5.29
Packaging - PP (Polypropylene) - PP (Polypropylene)	121.06	5.43
Packaging - PET - PET	25.75	1.16
Packaging - LDPE - LDPE	32.31	1.45
Packaging - Glue - Glue	47.22	2.12
Packaging - Bulk Wooden Bins - Bulk Wooden Bins	4.65	0.21
Packaging - Bulk Plastic Bins - Bulk Plastic Bins	45.92	2.06
Packaging - Disposable Wooden Pallets - Disposable Wooden Pallets	127.93	5.74
Packaging - Reusable Wooden Pallets - Reusable Wooden Pallets	0.67	0.03
Packaging - Reusable Plastic Pallets - Reusable Plastic Pallets	2.69	0.12
Waste - Organic Waste - Compost	6.97	0.31
Waste - Non-Organic Waste - Recycled	1.55	0.07
Waste - Non-Organic Waste - Landfill	7.96	0.36
Total	2,228.48	100.00

Business Name:Graaff Fruit - Packhouse

Dataset:2025/11/10 14:45:13

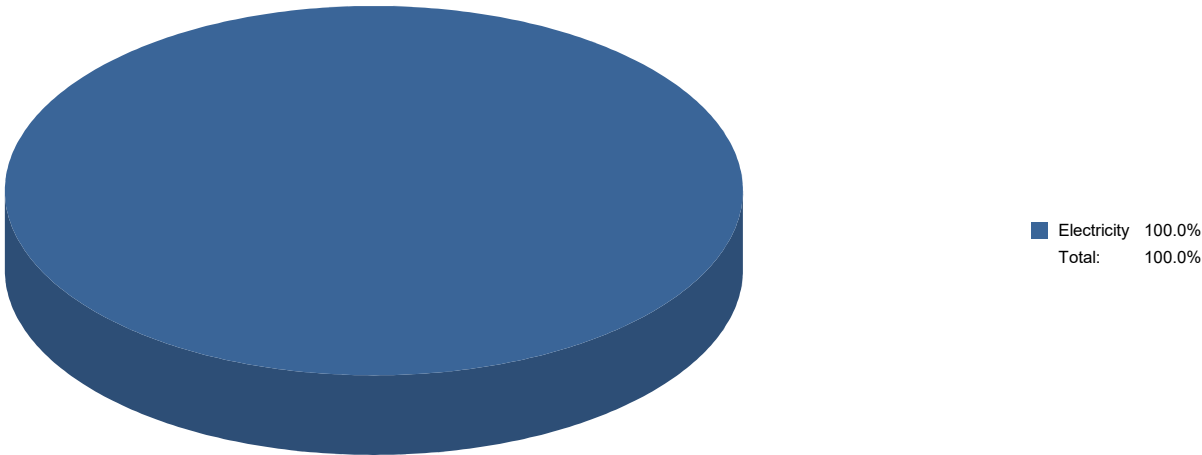
Data Collection Period:Jul 2024 to Jun 2025

Packhouse Consumption Benchmarks

Commodity	Consumption Measure	Result	Benchmark
Pome fruit (apple, pear)	Liters Waste Water per Ton Fruit	862.60	The CCC regional average is 1844.48 Liters Waste Water per Ton Fruit and consist of 51 data points.
Pome fruit (apple, pear)	Liters Water per Ton Fruit	865.72	The CCC regional average is 2446.35 Liters Water per Ton Fruit and consist of 51 data points.
Pome fruit (apple, pear)	kWh Packhouse Activity Electricity per Ton Fruit	28.63	The CCC regional average is 48.78 kWh Packhouse Activity Electricity per Ton Fruit and consist of 51 data points.
Pome fruit (apple, pear)	Kg Corrugated Cardboard per Ton of Fruit packed	44.14	The CCC regional average is 31.23 Kg Corrugated Cardboard per Ton of Fruit packed and consist of 51 data points.

Commodity	Consumption Measure	Result	Benchmark
Stone fruit	Liters Waste Water per Ton Fruit	702.77	The CCC regional average is 10365.40 Liters Waste Water per Ton Fruit and consist of 44 data points.
Stone fruit	Liters Water per Ton Fruit	705.36	The CCC regional average is 15577.31 Liters Water per Ton Fruit and consist of 44 data points.
Stone fruit	kWh Packhouse Activity Electricity per Ton Fruit	25.88	The CCC regional average is 36.28 kWh Packhouse Activity Electricity per Ton Fruit and consist of 44 data points.
Stone fruit	Kg Corrugated Cardboard per Ton of Fruit packed	39.12	The CCC regional average is 47.60 Kg Corrugated Cardboard per Ton of Fruit packed and consist of 44 data points.

CA Storage - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	1,001.65	100.00
Total	1,001.65	100.00

Business Name:

Graaff Fruit - Packhouse

Dataset:

2025/11/10 14:45:13

Data Collection Period:

Jul 2024 to Jun 2025

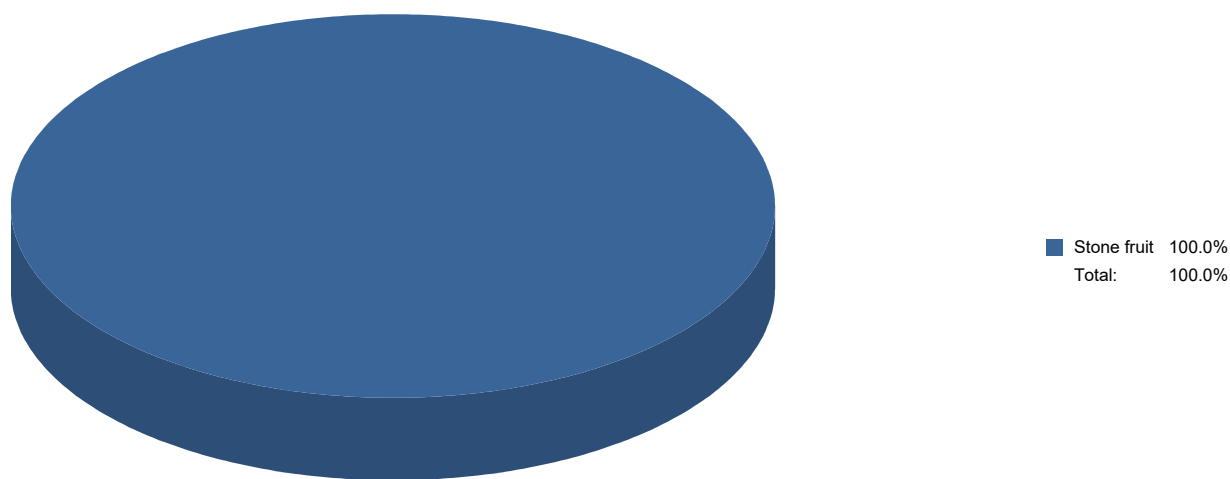
CA Storage Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Stone fruit	0.08	The CCC regional average is 0.08 Kg CO2e per Kg Fruit and consist of 1 data points.

CA Storage Scope Breakdown

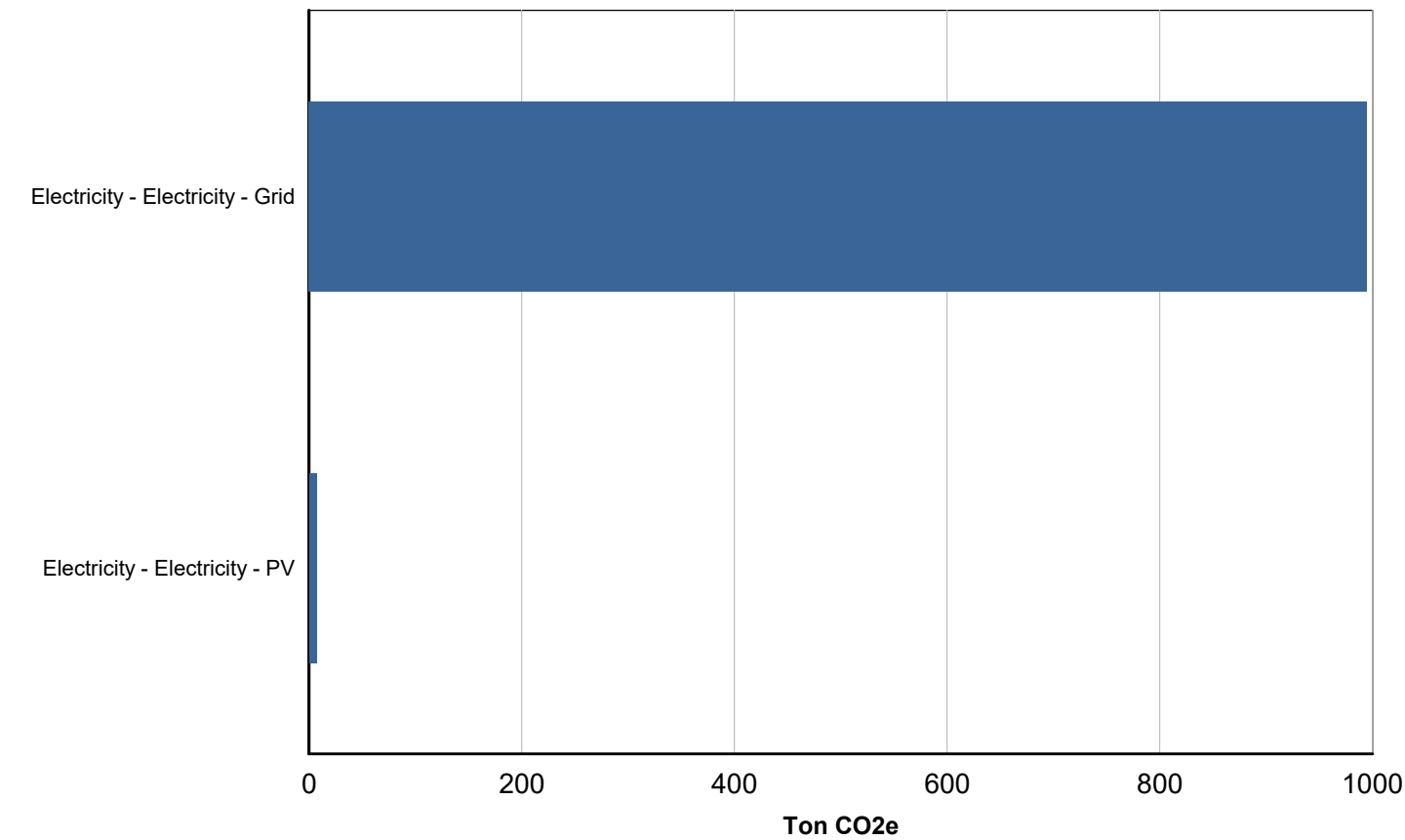
	Tonne CO ₂ e	%
Scope 1	6.95	0.69
Scope 2	994.70	99.31
Total	1,001.65	100.00

CA Storage - Commodity View



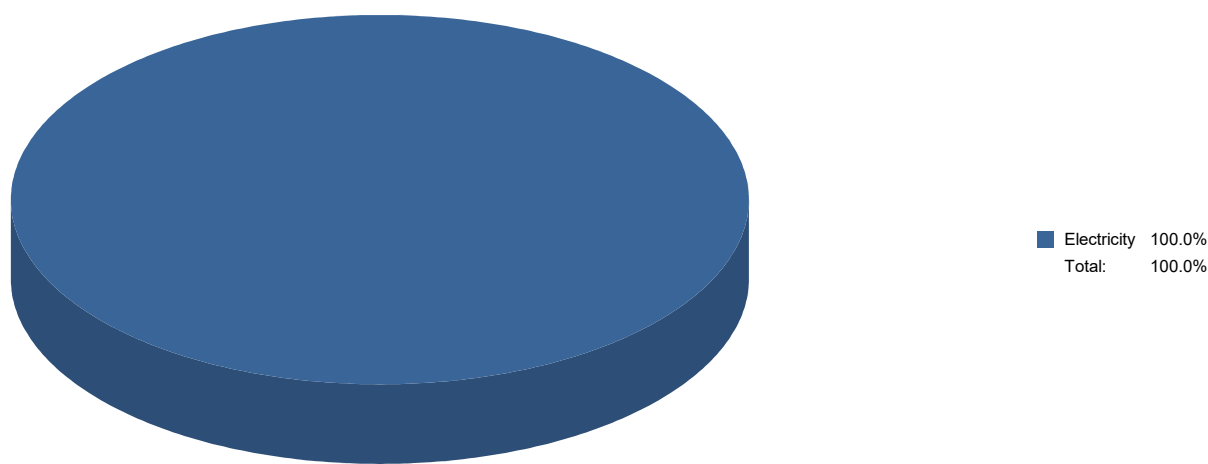
Commodity	Tonne CO ₂ e	%
Stone fruit	1,001.65	100.00
Total	1,001.65	100.00

CA Storage - Emission Source Breakdown



Emission Source	Tonne CO ₂ e	%
Electricity - Electricity - Grid	994.70	99.31
Electricity - Electricity - PV	6.95	0.69
Total	1,001.65	100.00

Coldstore - Emission Source View



Emission Source	Tonne CO ₂ e	%
Electricity	1,554.29	100.00
Total	1,554.29	100.00

Business Name:

Graaff Fruit - Packhouse

Dataset:

2025/11/10 14:45:13

Data Collection Period:

Jul 2024 to Jun 2025

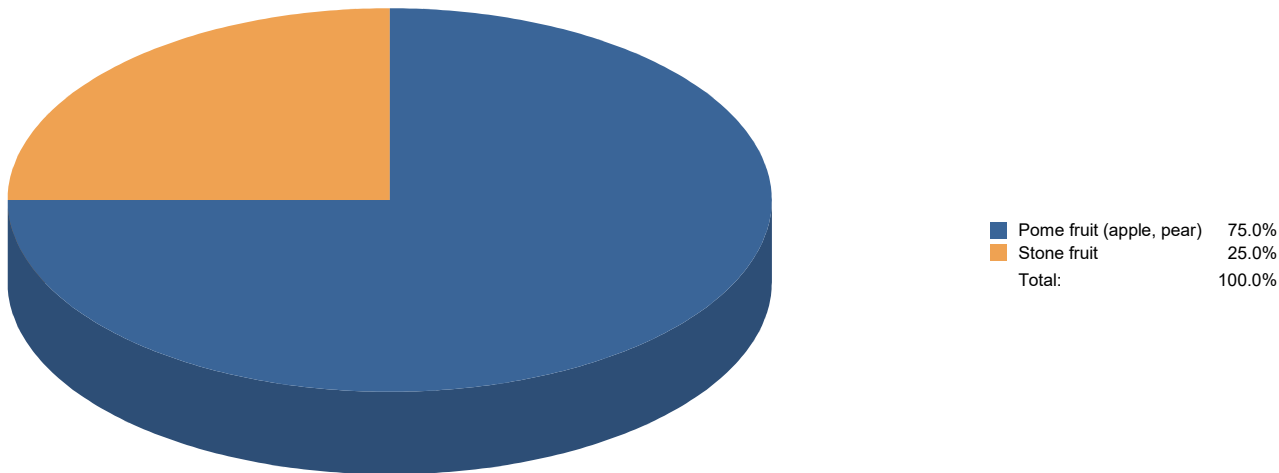
Coldstore Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Pome fruit (apple, pear)	0.05	The CCC regional average is 0.07 Kg CO2e per Kg Fruit and consist of 59 data points.
Stone fruit	0.04	The CCC regional average is 0.05 Kg CO2e per Kg Fruit and consist of 49 data points.

Coldstore Scope Breakdown

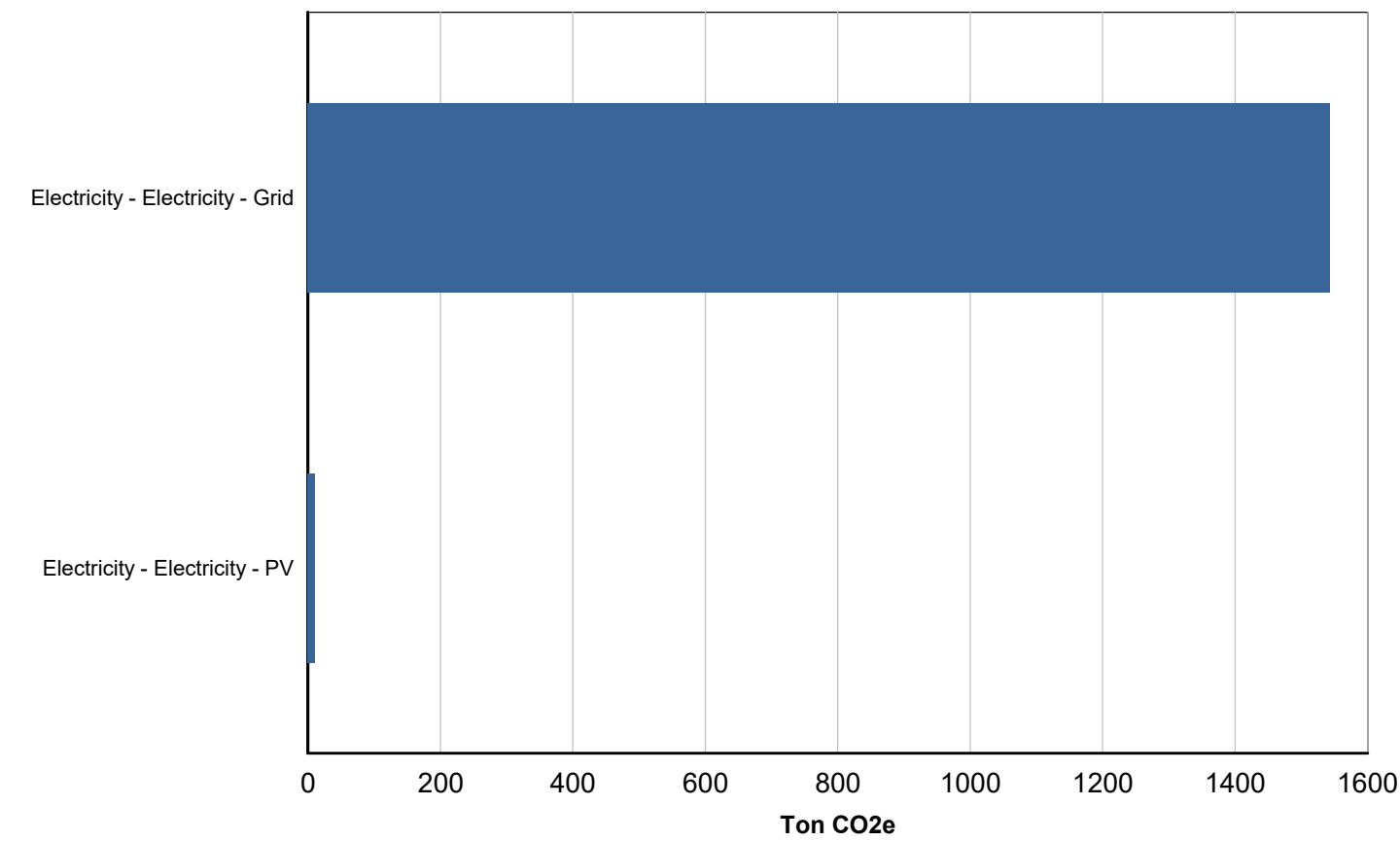
	Tonne CO ₂ e	%
Scope 1	10.78	0.69
Scope 2	1,543.50	99.31
Total	1,554.29	100.00

Coldstore - Commodity View



Commodity	Tonne CO ₂ e	%
Pome fruit (apple, pear)	1,165.35	74.98
Stone fruit	388.93	25.02
Total	1,554.29	100.00

Coldstore - Emission Source Breakdown



Emission Source	Tonne CO ₂ e	%
Electricity - Electricity - Grid	1,543.50	99.31
Electricity - Electricity - PV	10.78	0.69
Total	1,554.29	100.00

Business Name: Graaff Fruit - Packhouse

Dataset: 2025/11/10 14:45:13

Data Collection Period: Jul 2024 to Jun 2025