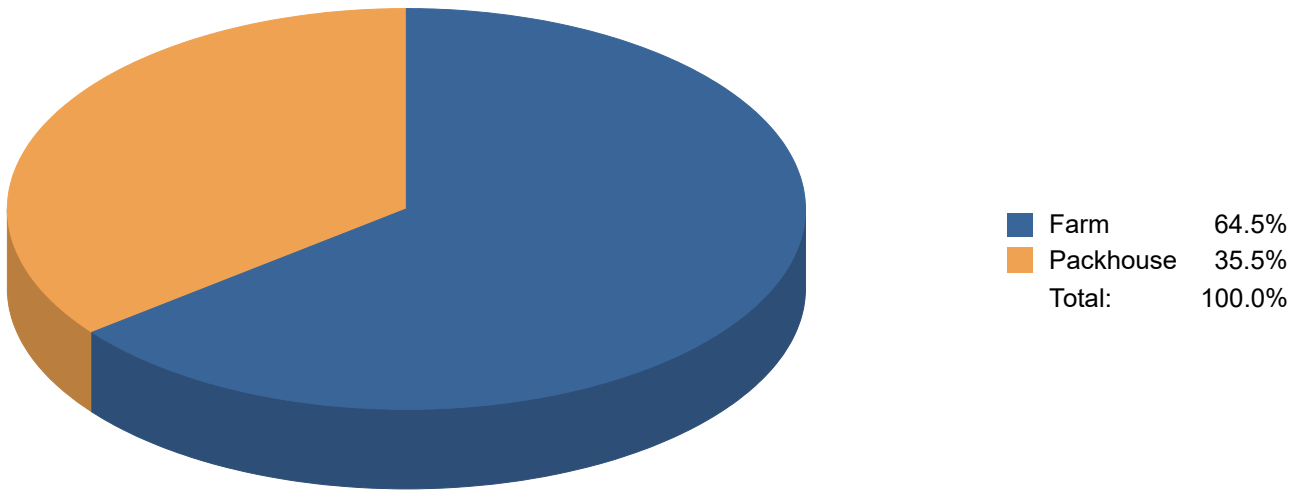


Carbon Calculator Results

Business Name: Hadeco Magaliesburg
Creation Date: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023
Report Grade: B1 - This dataset has been checked by CCC and is part of the benchmark.

Business Unit - Boundary View

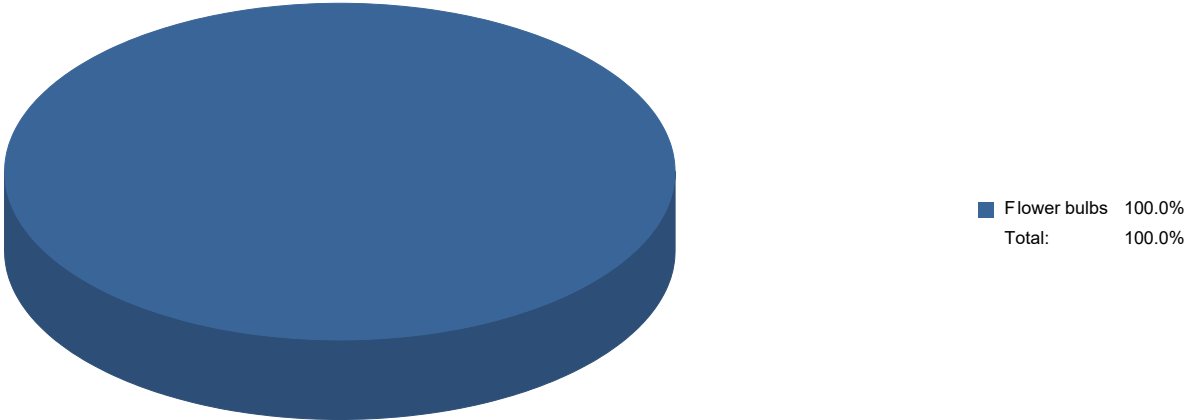


Boundary	Ton CO2e	%
Farm	295.92	64.47
Packhouse	163.08	35.53
Total	459.00	100.00

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

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

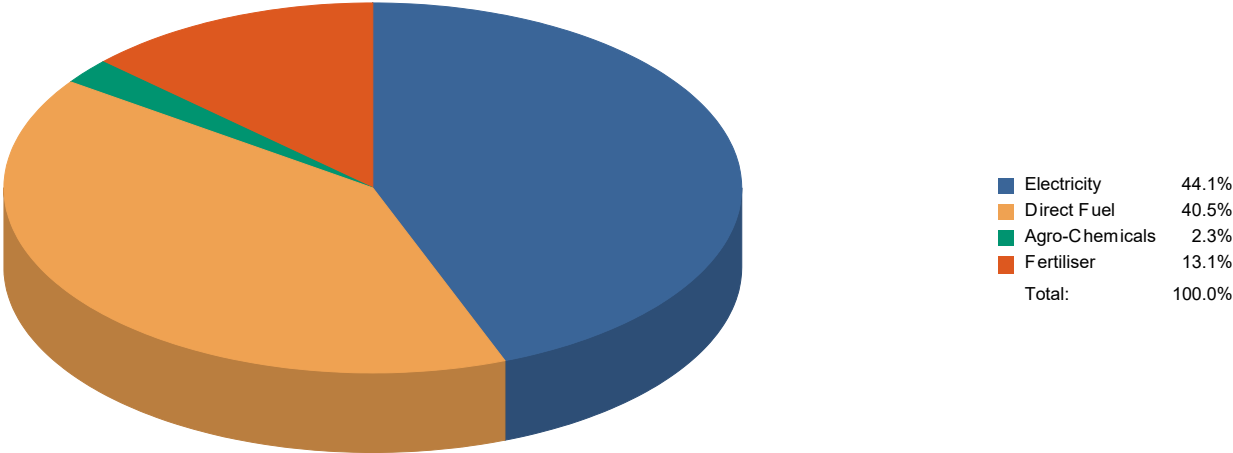
Business Unit - Commodity View



Commodity	Ton CO2e	%
Flower bulbs	459.00	100.00
Total	459.00	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Farm - Emission Source View



Emission Source	Ton CO2e	%
Electricity	130.50	44.10
Direct Fuel	119.95	40.53
Agro-Chemicals	6.83	2.31
Fertiliser	38.64	13.06
Total	295.92	100.00

Business Name: Hadeco Magaliesburg

Dataset: 2023/04/12 09:34:39

Data Collection Period: Mar 2022 to Feb 2023

Farm Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Flower bulbs	39,632.65	N/A

Farm Hectare Breakdown

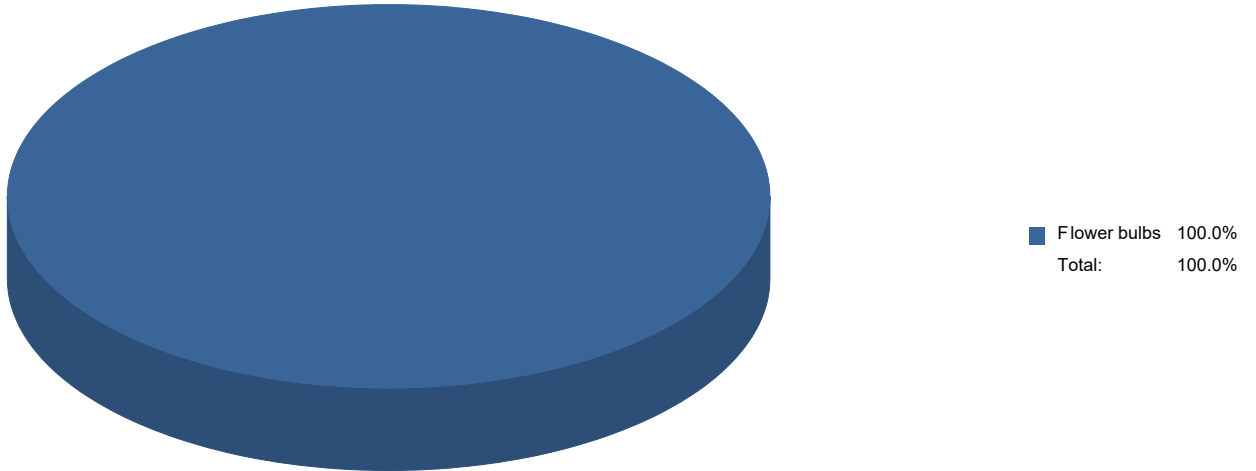
Commodity	Ton CO2e per Bearing Ha
Flower bulbs	6.10

Farm Scope Breakdown

	Ton CO2e	%
Scope 1	119.95	40.53
Scope 2	130.50	44.10
Scope 3	45.47	15.37
Total	295.92	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

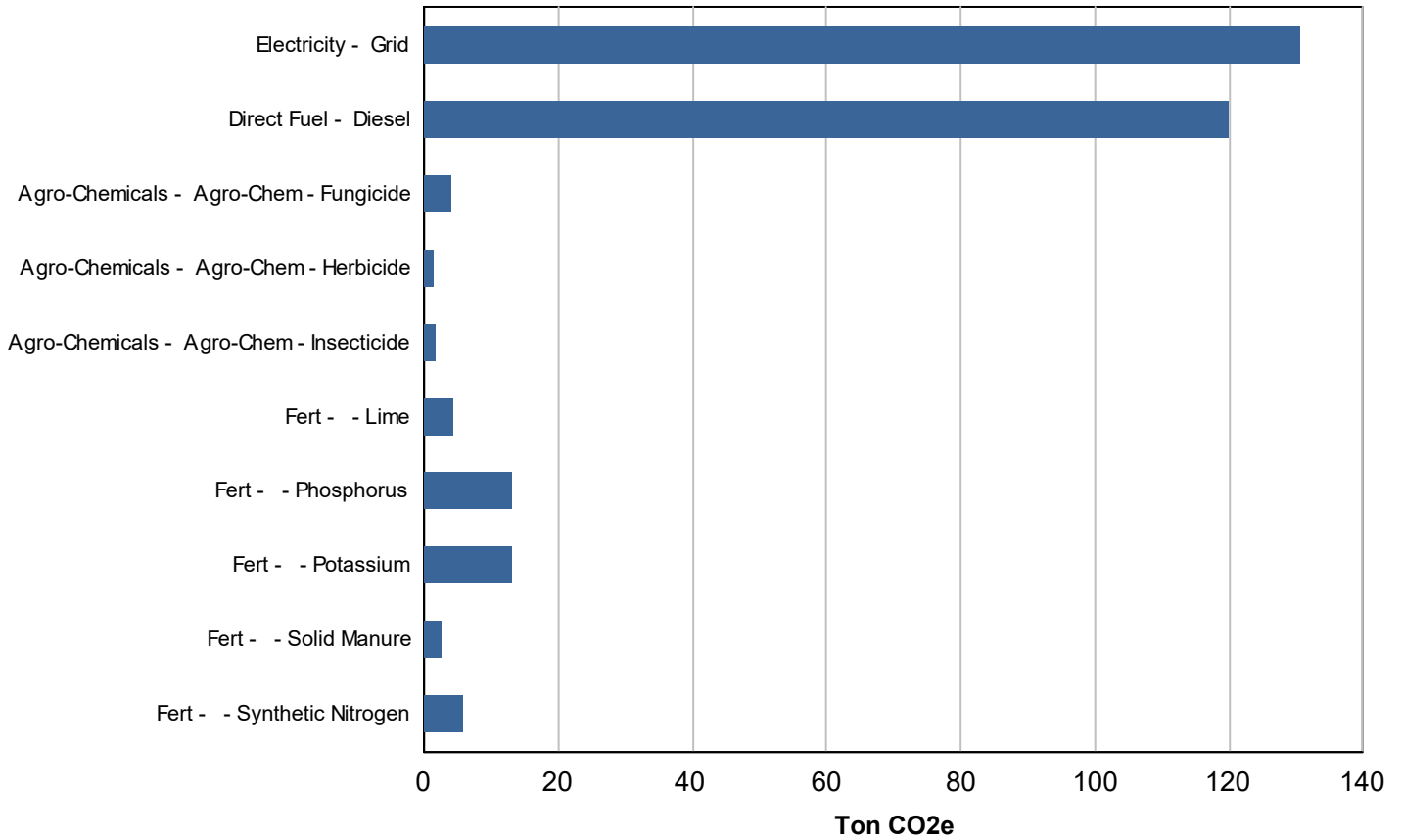
Farm - Commodity View



Commodity	Ton CO2e	%
Flower bulbs	295.92	100.00
Total	295.92	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

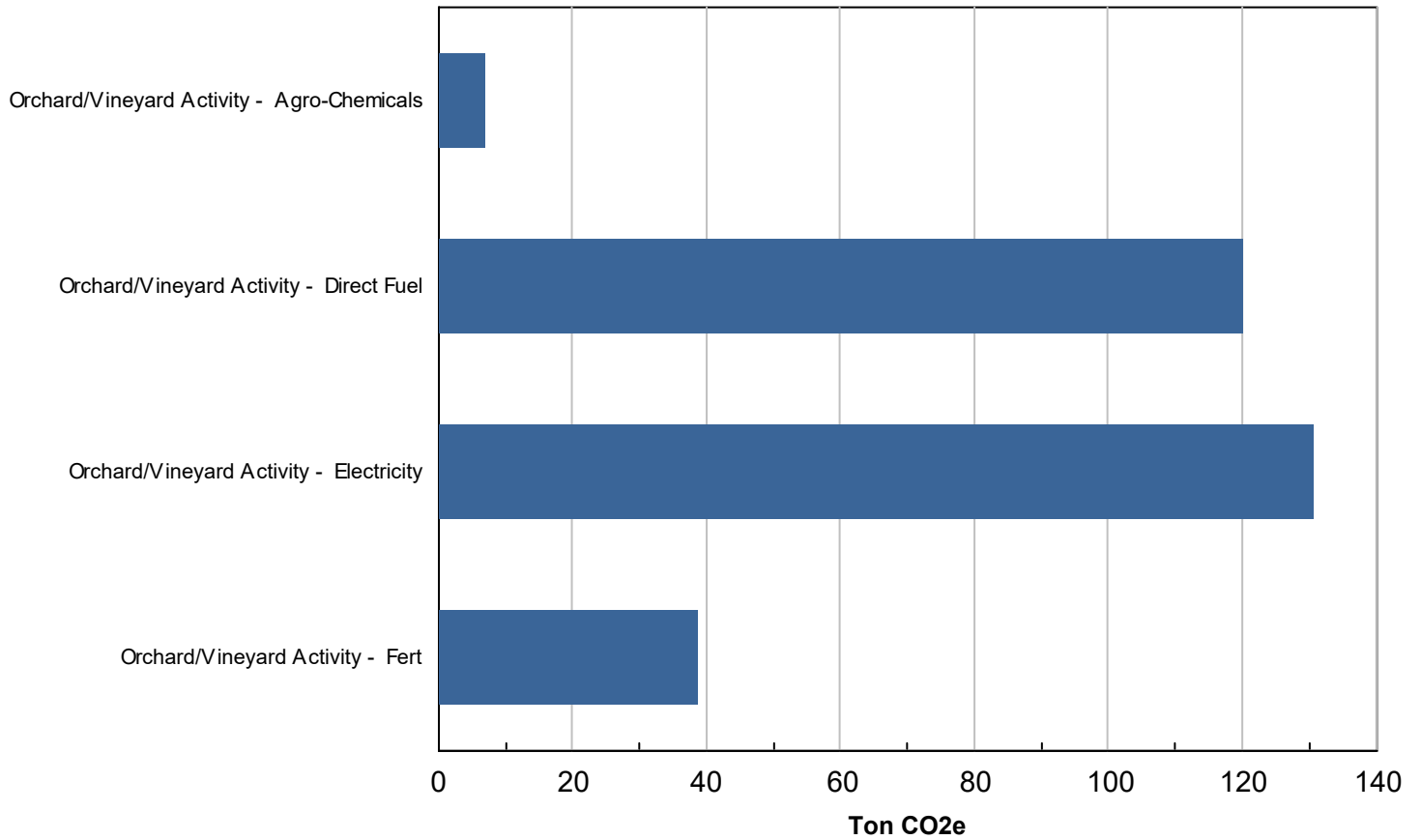
Farm - Emission Source Breakdown



Emission Source	Ton CO2e	%
Electricity - Grid	130.50	44.10
Direct Fuel - Diesel	119.95	40.53
Agro-Chemicals - Agro-Chem - Fungicide	3.95	1.33
Agro-Chemicals - Agro-Chem - Herbicide	1.32	0.45
Agro-Chemicals - Agro-Chem - Insecticide	1.57	0.53
Fert - - Lime	4.36	1.47
Fert - - Phosphorus	13.00	4.39
Fert - - Potassium	13.07	4.42
Fert - - Solid Manure	2.43	0.82
Fert - - Synthetic Nitrogen	5.78	1.95
Total	295.92	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Farm - Activity Breakdown



Activity Breakdown	Ton CO2e	%
Orchard/Vineyard Activity - Agro-Chemicals	6.83	2.31
Orchard/Vineyard Activity - Direct Fuel	119.95	40.53
Orchard/Vineyard Activity - Electricity	130.50	44.10
Orchard/Vineyard Activity - Fert	38.64	13.06
Total	295.92	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Detailed Carbon Emissions Breakdown

Detailed Activities	Ton CO2e	%
Electricity - Grid - Orchard/Vineyard Activity - BO	130.50	44.10
Direct Fuel - Diesel - Orchard/Vineyard Activity - BO	119.95	40.53
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - BO	5.78	1.95
Fert - - Phosphorus - Orchard/Vineyard Activity - BO	13.00	4.39
Fert - - Potassium - Orchard/Vineyard Activity - BO	13.07	4.42
Fert - - Solid Manure - Orchard/Vineyard Activity - BO	2.43	0.82
Fert - - Lime - Orchard/Vineyard Activity - BO	4.36	1.47
Agro-Chemicals - Agro-Chem - Fungicide - Orchard/Vineyard Activity - BO	3.95	1.33
Agro-Chemicals - Agro-Chem - Insecticide - Orchard/Vineyard Activity - BO	1.57	0.53
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - BO	0.63	0.21
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - NBO	0.69	0.23
Total	295.92	100.00

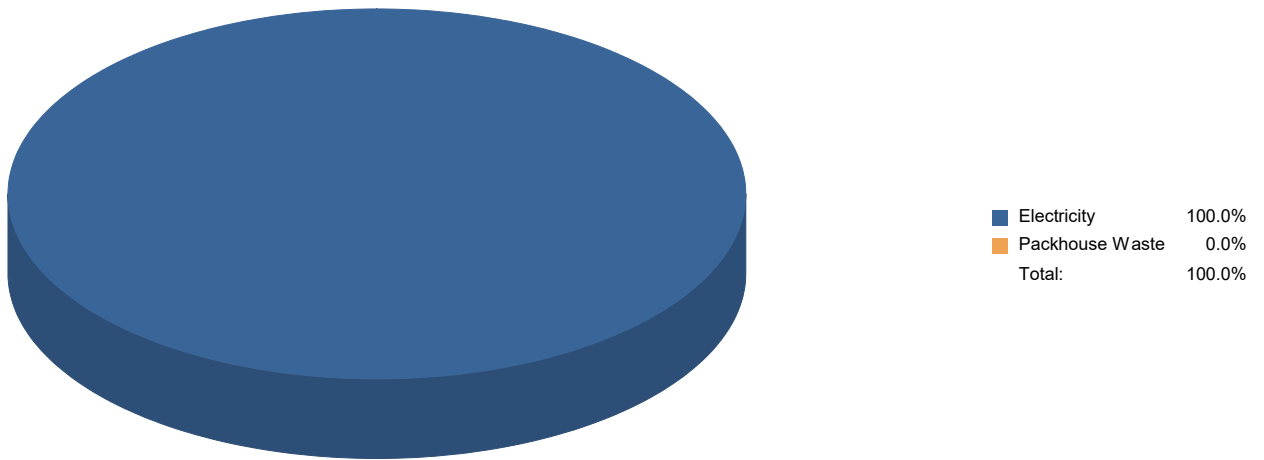
Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Farm Consumption Benchmarks

Commodity	Consumption Measure	Result	Benchmark
Flower bulbs	kL Water per Ton Fruit	1,900.72	N/A
Flower bulbs	kL Water per Bearing Ha	22,328.42	N/A
Flower bulbs	kWh Orchard / Vineyard Electricity per Ton Fruit	251.48	N/A
Flower bulbs	kWh Orchard / Vineyard Electricity per Bearing Ha	2,954.23	N/A
Flower bulbs	Liters Orchard / Vineyard Diesel per Ton Fruit	64.86	N/A
Flower bulbs	Liters Orchard / Vineyard Diesel per Bearing Ha	761.98	N/A
Flower bulbs	Kg Pure N per Ton Fruit	0.86	N/A
Flower bulbs	Kg Pure N per Bearing Ha	10.11	N/A

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Packhouse - Emission Source View



Emission Source	Ton CO2e	%
Electricity	163.08	100.00
Packhouse Waste	0.00	0.00
Total	163.08	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Packhouse Commodity Benchmark

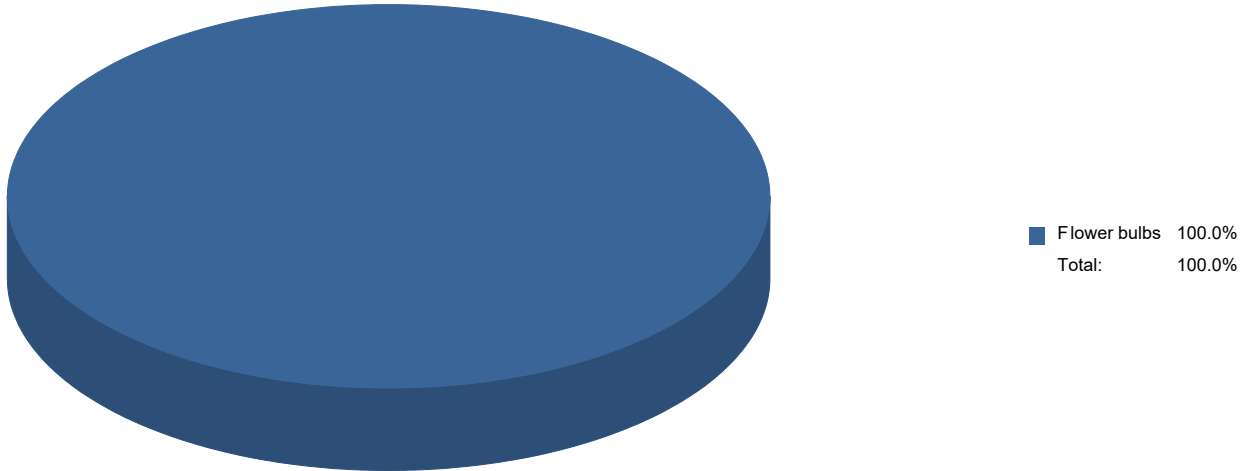
Commodity	Kg CO2e per Kg Fruit	Benchmark
Flower bulbs	0.29	N/A

Packhouse Scope Breakdown

	Ton CO2e	%
Scope 1	0.00	0.00
Scope 2	163.08	100.00
Total	163.08	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

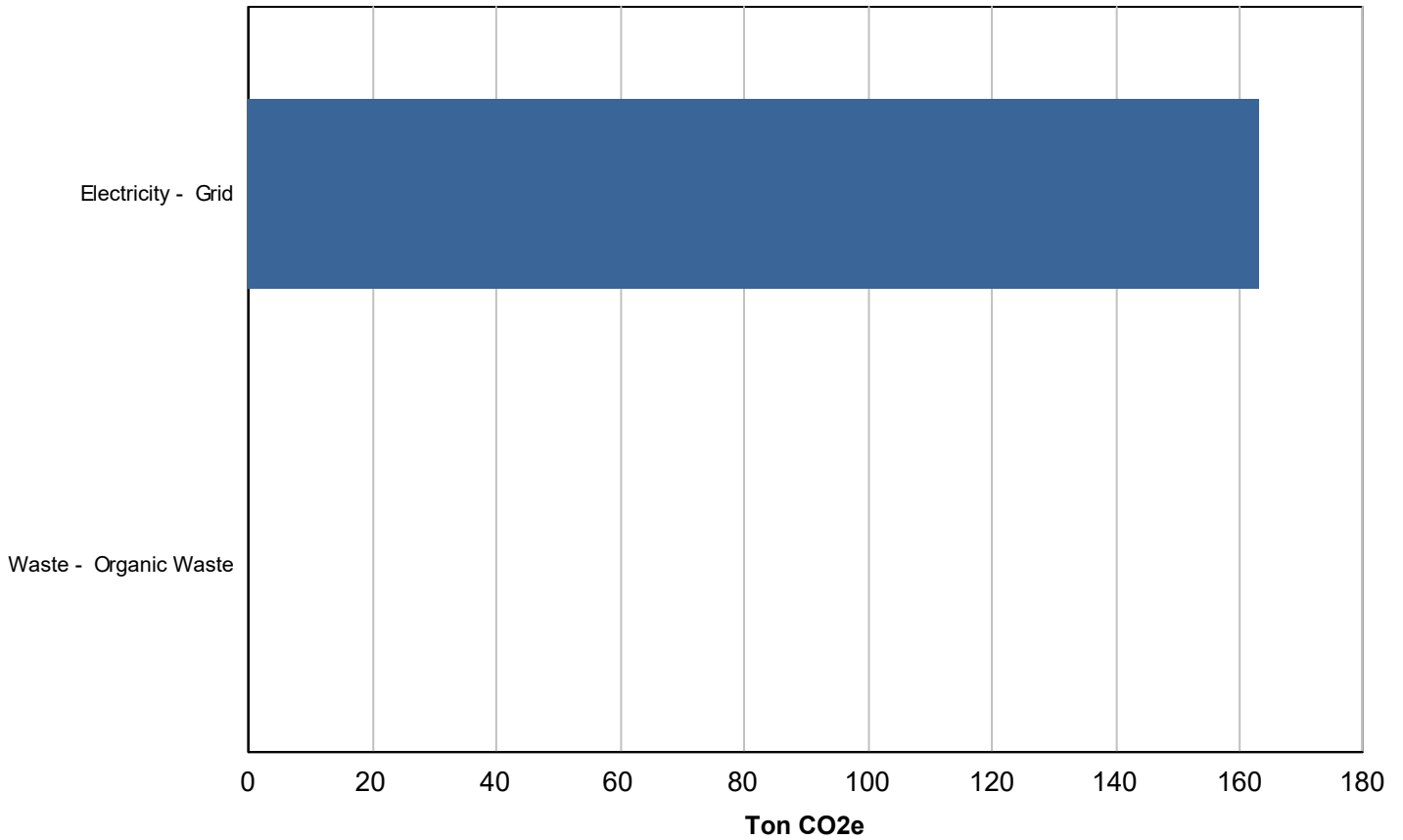
Packhouse - Commodity View



Commodity	Ton CO2e	%
Flower bulbs	163.08	100.00
Total	163.08	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

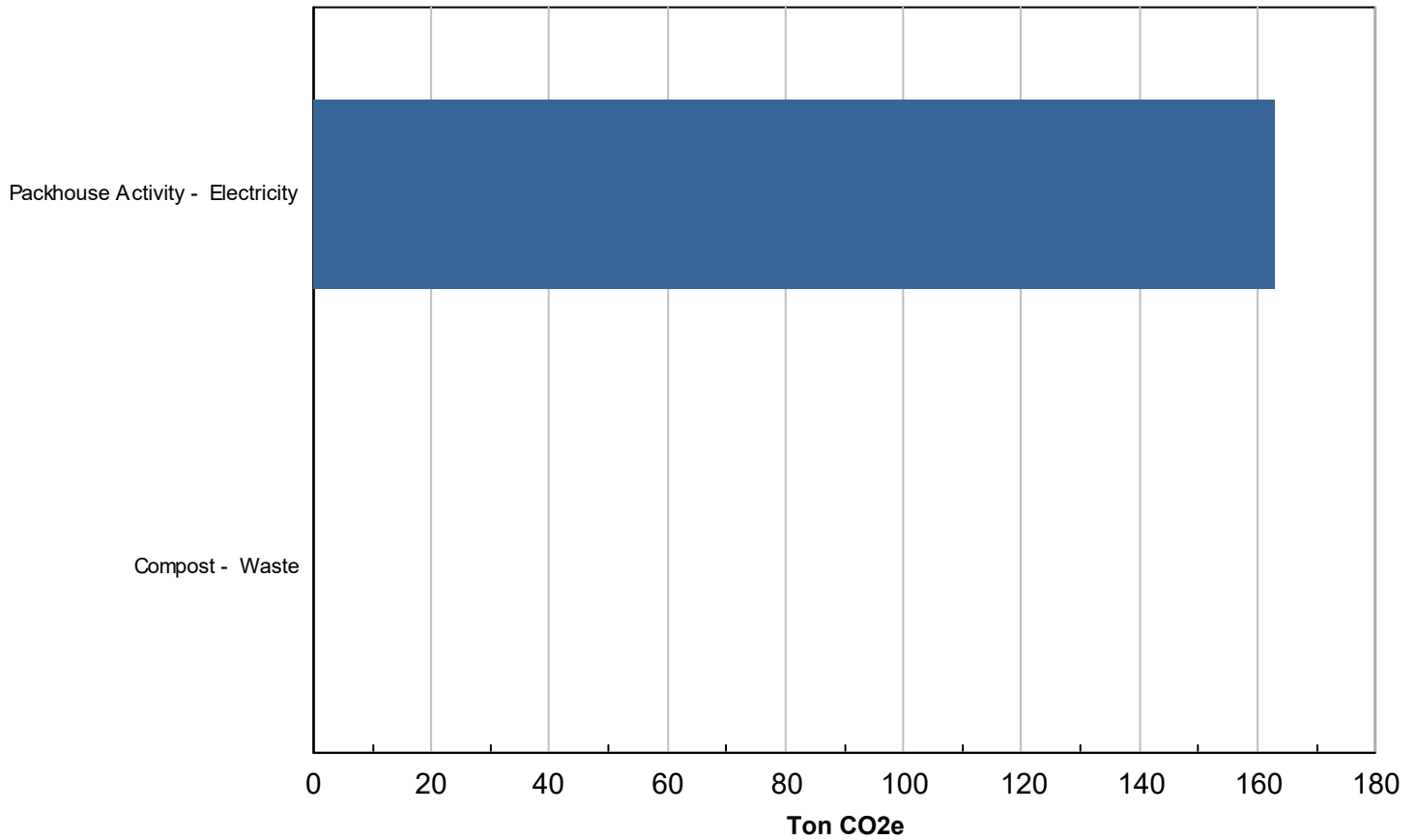
Packhouse - Emission Source Breakdown



Emission Source	Ton CO2e	%
Electricity - Grid	163.08	100.00
Waste - Organic Waste	0.00	0.00
Total	163.08	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Packhouse - Activity Breakdown



Activity Breakdown	Ton CO2e	%
Packhouse Activity - Electricity	163.08	100.00
Compost - Waste	0.00	0.00
Total	163.08	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Detailed Carbon Emissions Breakdown

Detailed Activities	Ton CO2e	%
Electricity - Grid - Packhouse Activity	163.08	100.00
Waste - Organic Waste - Compost	0.00	0.00
Total	163.08	100.00

Business Name: Hadeco Magaliesburg
Dataset: 2023/04/12 09:34:39
Data Collection Period: Mar 2022 to Feb 2023

Packhouse Consumption Benchmarks

Flower bulbs	kWh Packhouse Activity Electricity per Ton Fruit	314.25	N/A
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Business Name: Hadeco Magaliesburg

Dataset: 2023/04/12 09:34:39

Data Collection Period: Mar 2022 to Feb 2023