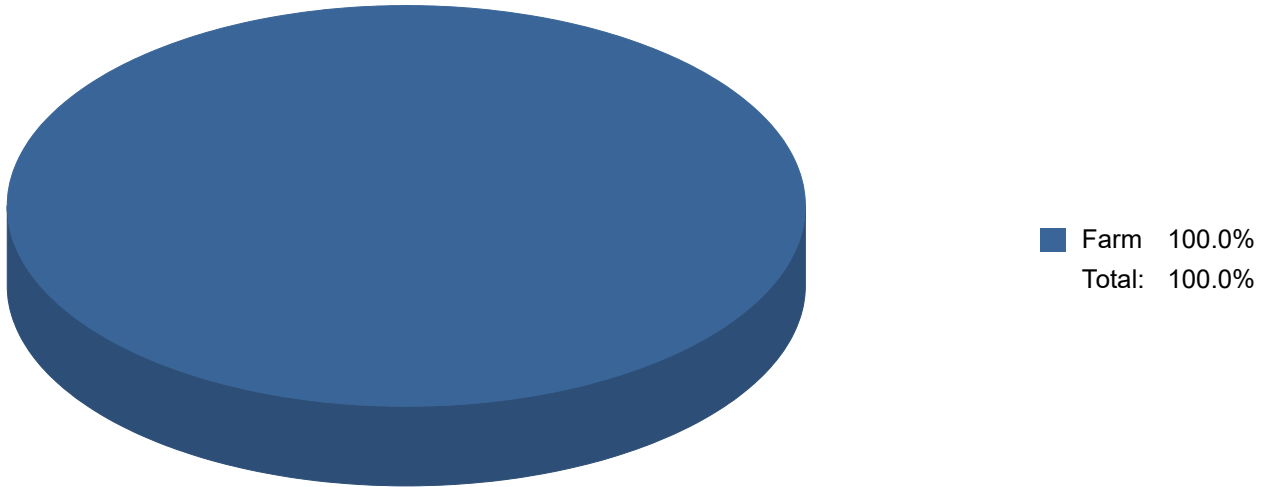


## Carbon Calculator Results

**Business Name:** Hadeco Magaliesburg  
**Creation Date:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022  
**Report Grade:** B1 - This dataset has been checked by CCC and is part of the benchmark.

## Business Unit - Boundary View

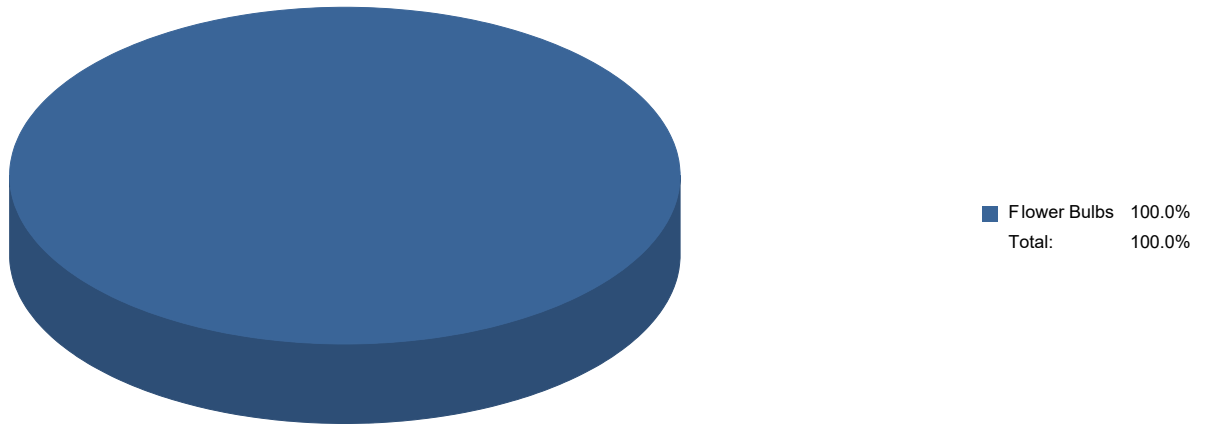


Boundary	Ton CO2e	%
Farm	232.98	100.00
<b>Total</b>	<b>232.98</b>	<b>100.00</b>

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:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022

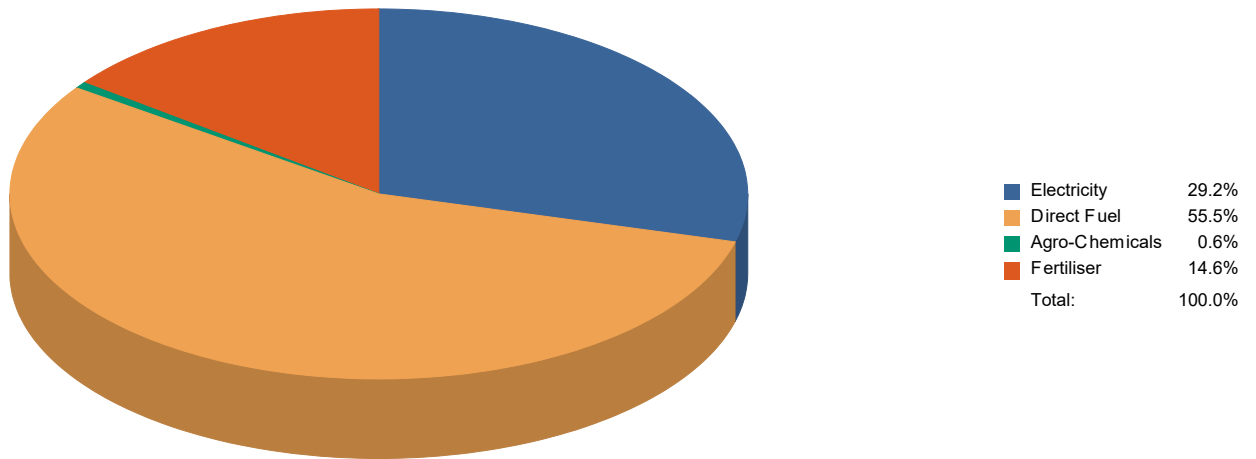
## Business Unit - Commodity View



Commodity	Ton CO2e	%
Flower Bulbs	232.98	100.00
<b>Total</b>	<b>232.98</b>	<b>100.00</b>

**Business Name:** Hadeco Magaliesburg  
**Dataset:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022

## Farm - Emission Source View



Emission Source	Ton CO2e	%
Electricity	68.12	29.24
Direct Fuel	129.36	55.52
Agro-Chemicals	1.39	0.59
Fertiliser	34.12	14.65
<b>Total</b>	<b>232.98</b>	<b>100.00</b>

**Business Name:** Hadeco Magaliesburg

**Dataset:** 2022/07/25 09:15:24

**Data Collection Period:** Aug 2021 to Jul 2022

### Farm Commodity Benchmark

Commodity	Kg CO2e per Kg Fruit	Benchmark
Flower Bulbs	111.55	N/A

### Farm Hectare Breakdown

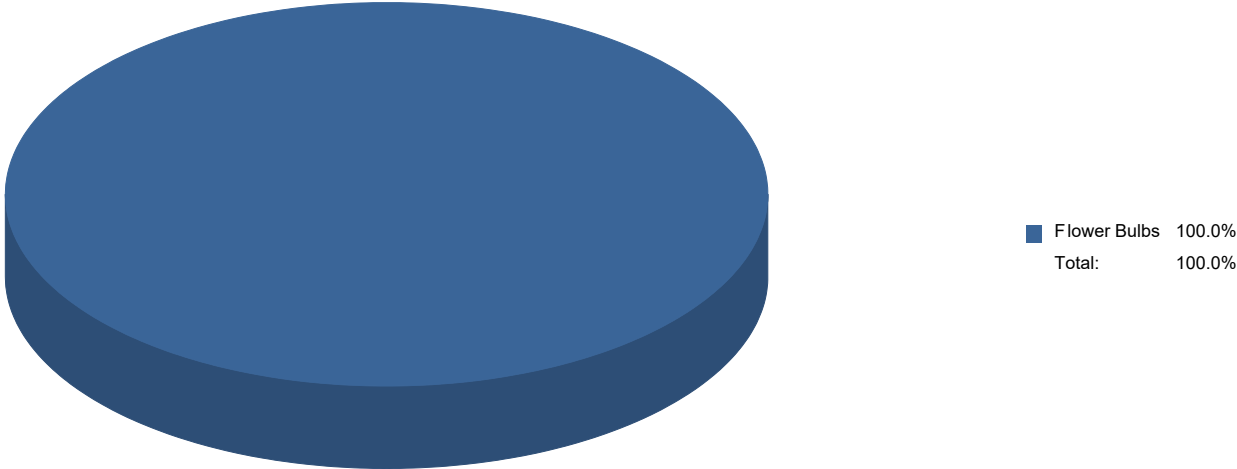
Commodity	Ton CO2e per Bearing Ha
Flower Bulbs	0.01

### Farm Scope Breakdown

	Ton CO2e	%
Scope 1	129.36	55.52
Scope 2	68.12	29.24
Scope 3	35.51	15.24
<b>Total</b>	<b>232.98</b>	<b>100.00</b>

**Business Name:** Hadeco Magaliesburg  
**Dataset:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022

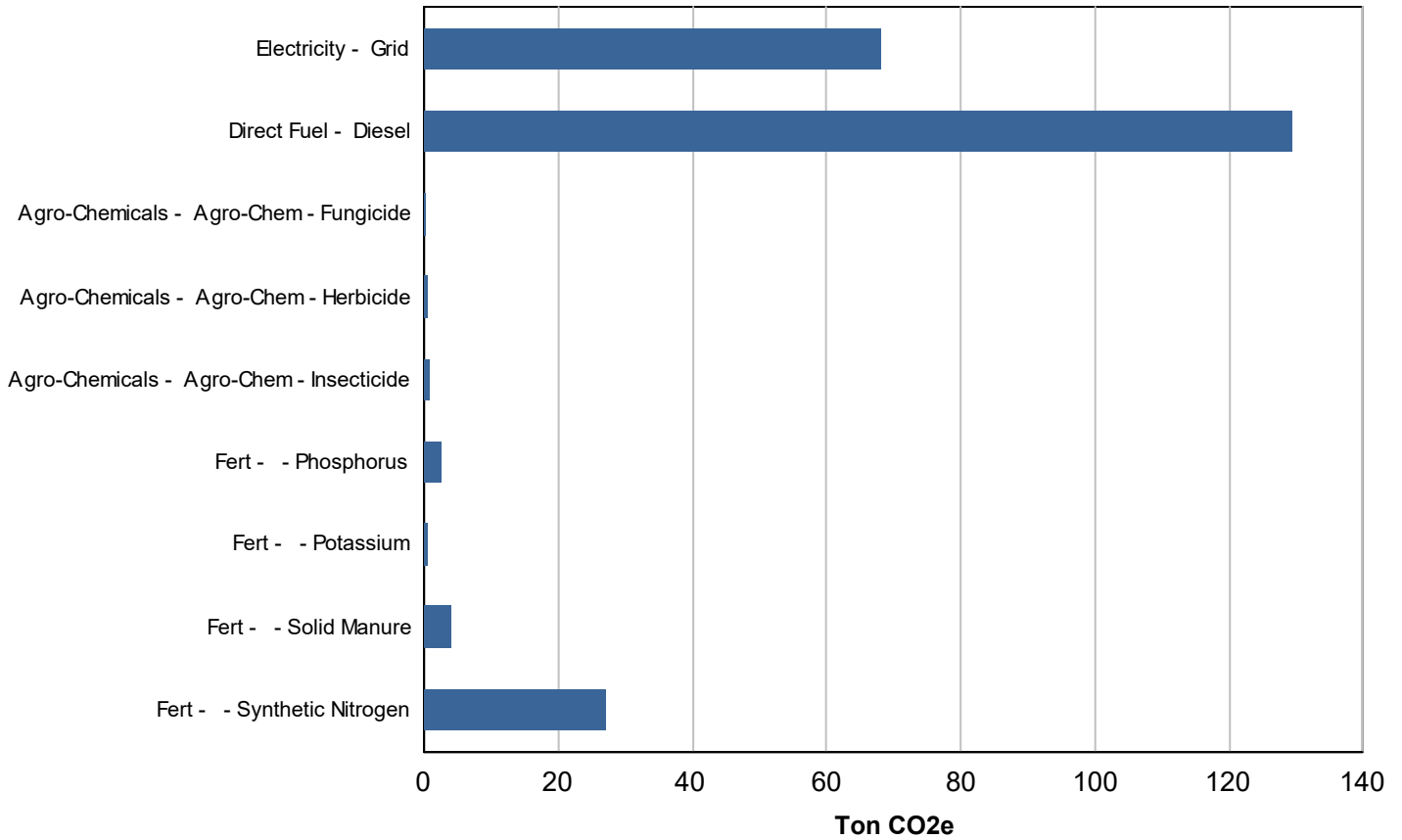
# Farm - Commodity View



Commodity	Ton CO2e	%
Flower Bulbs	232.98	100.00
<b>Total</b>	<b>232.98</b>	<b>100.00</b>

**Business Name:** Hadeco Magaliesburg  
**Dataset:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022

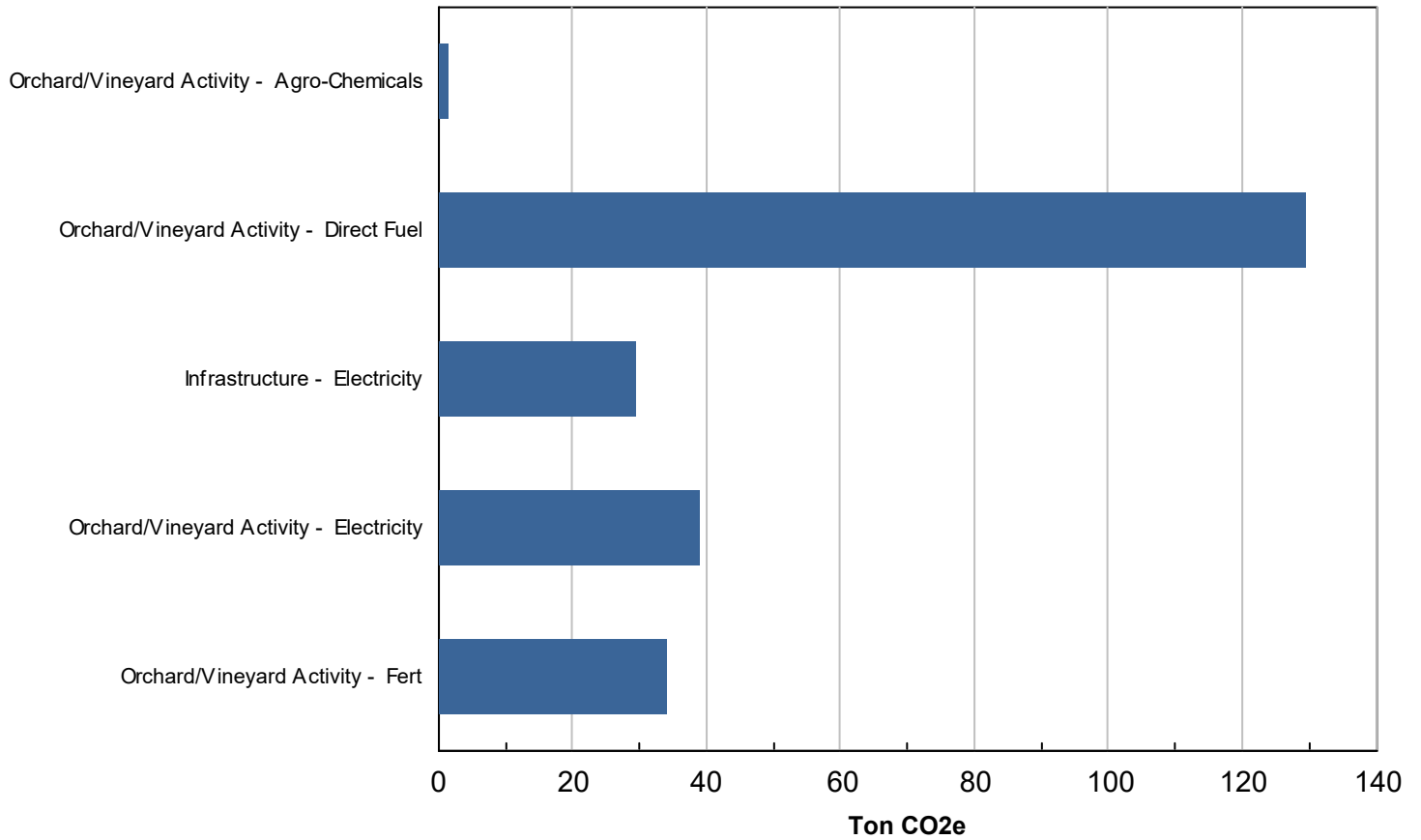
## Farm - Emission Source Breakdown



<b>Emission Source</b>	<b>Ton CO2e</b>	<b>%</b>
Electricity - Grid	68.12	29.24
Direct Fuel - Diesel	129.36	55.52
Agro-Chemicals - Agro-Chem - Fungicide	0.18	0.08
Agro-Chemicals - Agro-Chem - Herbicide	0.39	0.17
Agro-Chemicals - Agro-Chem - Insecticide	0.81	0.35
Fert - - Phosphorus	2.65	1.14
Fert - - Potassium	0.47	0.20
Fert - - Solid Manure	4.05	1.74
Fert - - Synthetic Nitrogen	26.95	11.57
<b>Total</b>	<b>232.98</b>	<b>100.00</b>

**Business Name:** Hadeco Magaliesburg  
**Dataset:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022

## Farm - Activity Breakdown



Activity Breakdown	Ton CO2e	%
Orchard/Vineyard Activity - Agro-Chemicals	1.39	0.59
Orchard/Vineyard Activity - Direct Fuel	129.36	55.52
Infrastructure - Electricity	29.39	12.61
Orchard/Vineyard Activity - Electricity	38.73	16.62
Orchard/Vineyard Activity - Fert	34.12	14.65
<b>Total</b>	<b>232.98</b>	<b>100.00</b>

**Business Name:** Hadeco Magaliesburg  
**Dataset:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022

## Detailed Carbon Emissions Breakdown

Detailed Activities	Ton CO2e	%
Electricity - Grid - Orchard/Vineyard Activity - BO	38.73	16.62
Electricity - Grid - Infrastructure	29.39	12.61
Direct Fuel - Diesel - Orchard/Vineyard Activity - BO	129.36	55.52
Fert - - Synthetic Nitrogen - Orchard/Vineyard Activity - BO	26.95	11.57
Fert - - Phosphorus - Orchard/Vineyard Activity - BO	2.65	1.14
Fert - - Potassium - Orchard/Vineyard Activity - BO	0.47	0.20
Fert - - Solid Manure - Orchard/Vineyard Activity - BO	4.05	1.74
Agro-Chemicals - Agro-Chem - Fungicide - Orchard/Vineyard Activity - BO	0.18	0.08
Agro-Chemicals - Agro-Chem - Insecticide - Orchard/Vineyard Activity - BO	0.81	0.35
Agro-Chemicals - Agro-Chem - Herbicide - Orchard/Vineyard Activity - BO	0.39	0.17
<b>Total</b>	<b>232.98</b>	<b>100.00</b>



**Business Name:** Hadeco Magaliesburg  
**Dataset:** 2022/07/25 09:15:24  
**Data Collection Period:** Aug 2021 to Jul 2022

## Farm Consumption Benchmarks

Commodity	Consumption Measure	Result	Benchmark
Flower Bulbs	kL Water per Ton Fruit	131,911.07	N/A
Flower Bulbs	kL Water per Bearing Ha	9.07	N/A
Flower Bulbs	kL Water per Non-Bearing Ha	0.78	N/A
Flower Bulbs	kWh Orchard / Vineyard Electricity per Ton Fruit	20,413.73	N/A
Flower Bulbs	kWh Orchard / Vineyard Electricity per Bearing Ha	1.40	N/A
Flower Bulbs	Liters Orchard / Vineyard Diesel per Ton Fruit	19,134.31	N/A
Flower Bulbs	Liters Orchard / Vineyard Diesel per Bearing Ha	1.32	N/A
Flower Bulbs	Kg Pure N per Ton Fruit	1,097.06	N/A
Flower Bulbs	Kg Pure N per Bearing Ha	0.08	N/A

**Business Name:** Hadeco Magaliesburg

**Dataset:** 2022/07/25 09:15:24

**Data Collection Period:** Aug 2021 to Jul 2022