



Guidance Notes Overview

What is Confronting Climate Change?

The Confronting Climate Change (CCC) Initiative is a carbon footprinting project, developed to support the fruit and wine sectors through identifying and responding to the risks and opportunities associated with carbon emissions.

The CCC Initiative includes an online carbon-footprinting tool. This tool is intended to support the long-term viability of the industry and has a number of benefits for growers and service providers. The tool enables users to do the following:

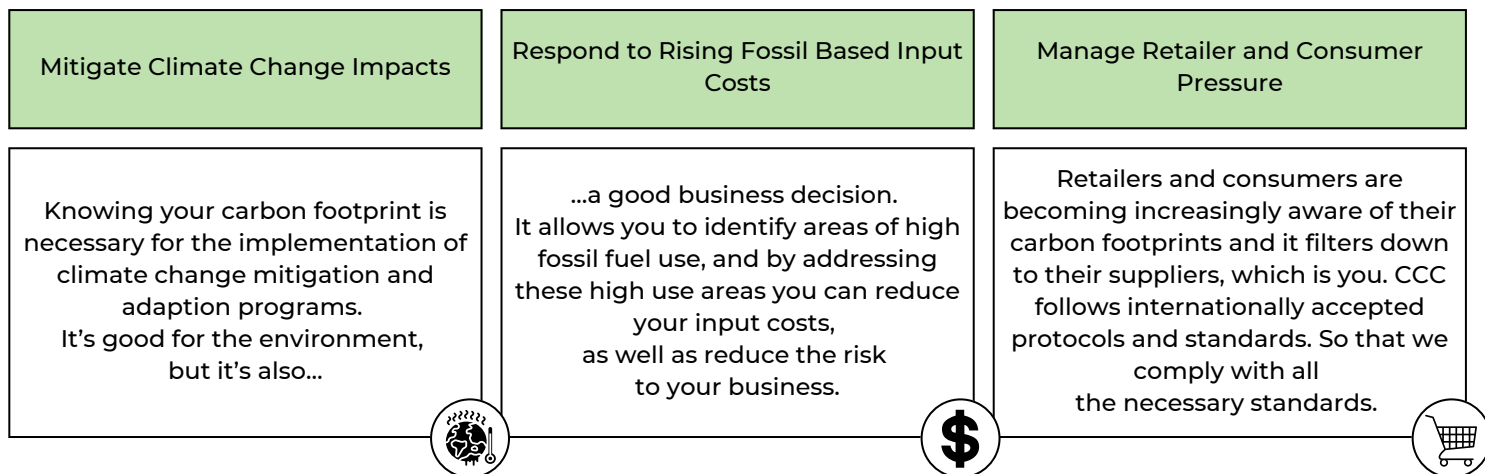
-  Measure the carbon footprint of the farm or business entity
-  Identify 'carbon hotspots' across the farm or business entity
-  Develop creative solutions to reduce CO2 emissions
-  Manage the perceptions of buyers and policy makers

Project Partners:



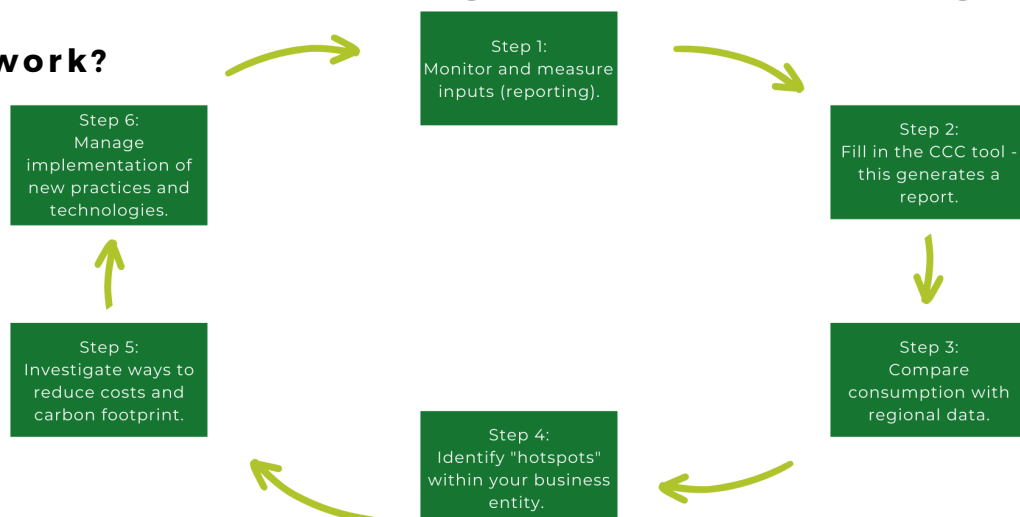
For more information please go to www.climatefruitandwine.co.za

Why should I calculate my Carbon Footprint?



How does the CCC tool work?

The CCC tool helps you manage and quantify your carbon emissions risks. You will need to collect the necessary input data and fill this in on the CCC tool. This generates an online report which not only enables comparison of the farm's data with other farms in the region, but also allows you to identify carbon "hotspots" and actions to reduce these. This tool should be used on an annual basis to monitor progress over time.





Getting Started

1

Make sure that you have Google Chrome installed on your computer.

If you do not have Google Chrome installed, you can download it using the following link:
<https://www.google.com/chrome/>.

2

Using Google Chrome, access the CCC website using the following link:

www.climatefruitandwine.co.za



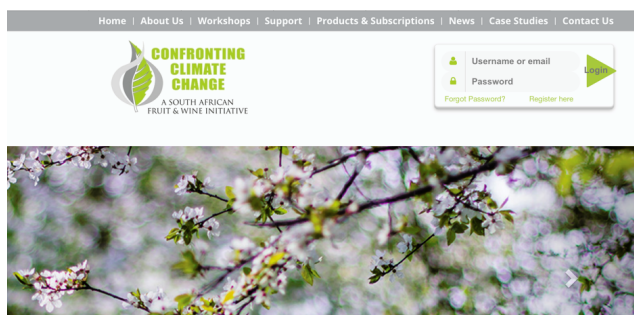
3

Log onto the website by entering your username and password into the portal on the top right hand side of the screen.

If you have previously registered, you can use your old details.

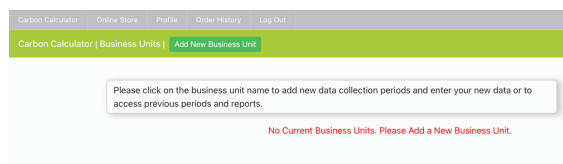
If you are a first time user, please click on "register here" and follow the steps.

If you have forgotten your password, click on "Forgot password" and follow the steps.



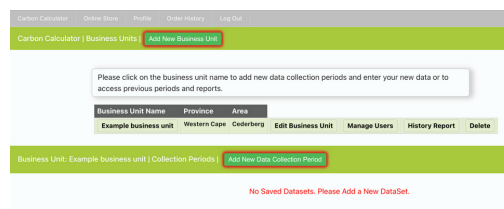
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Once you are logged in, start by clicking on "New Business unit" and fill in all the required fields to create a new business unit.



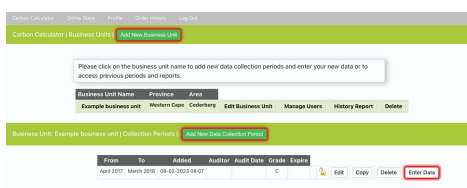
5

Click on the business unit you created and then click "Add new data collection period".



6

Click on "Enter data" and follow the steps to enter your data.



Need more help?
Additional guidance is available online:
<http://www.climatefruitandwine.co.za/Support.aspx>

Icons on the tool provide additional prompts and information:



Provides information on the input required for specific activity



Indicates an error in the data provided



Indicates data has been correctly entered

Remember to **SAVE** frequently to avoid losing data

Make sure you are using the **CORRECT UNITS**



Data Requirements

This page provides guidelines to the type of data requirements necessary to complete the CCC carbon calculator for fruit and wine. All information requested is for a 12 month period. Further detail and guidelines are available from the following link: <http://www.climatefruitandwine.co.za/Support.aspx>.

Farm Level

	Tonnage produced per commodity		Fuel – annual fuel usage for each fuel type (total litres of diesel/petrol etc.)
	Total bearing hectares and non-bearing hectares per commodity		Fertilizers and agrochemicals – usage for the year (total kg of active ingredient)
	Total bearing hectares and non-bearing hectares per commodity		Land use change – total hectares of non-agricultural land converted to orchards/vineyards in the year of the audit

Packhouse Level

	Total tonnes IN and total tonnes OUT		Fuel – annual fuel usage for each fuel type (total litres of diesel/petrol etc.)
	Packaging material – annual quantity of packaging material used (total kg per product, % recycled)		Total waste generated – waste tonnages by type (i.e. organic waste and non-organic waste such as tins etc.)
	Electricity - annual grid (Eskom) electricity and renewable electricity (solar etc.) usage in kWh		Waste disposal – tonnes of waste landfilled/composted etc.

Winery Level

	Raw materials – tonnes of own grapes, tonnes of brought in fruit and kL of bulk wine		Fuel – annual fuel usage for each fuel type (total litres of diesel/petrol etc.)
	Total kL wine bottled and packed (own facility and offsite) and total kL wine sales (local and export)		Carbon dioxide – total tonnes of CO2 used in cooling (i.e. dry ice) or fermentation (sparkling wine or tank flushing)
	Electricity - annual grid (Eskom) electricity and renewable electricity (solar etc.) usage in kWh		Packaging material – annual quantity of packaging material used (total kg per product, % recycled)
	Waste water treatment – annual kL of waste water treated aerobically or anaerobically (kL of water treated and COD figures)		Total waste generated – waste tonnages by type (i.e. organic waste and non-organic waste such as tins etc.)
	Coolant – total kg refrigerant type and “top-up” or leakage amount per year		Waste disposal – tonnes of waste landfilled/composted etc.

CA/Cold Store Level

	Total tonnage stored and average number of days per commodity
	Coolant – total kg refrigerant type and “top-up” or leakage amount per year

Distribution Level

	Road, sea, rail and air freight - tonnage travelled and total km (one day distance per trip)
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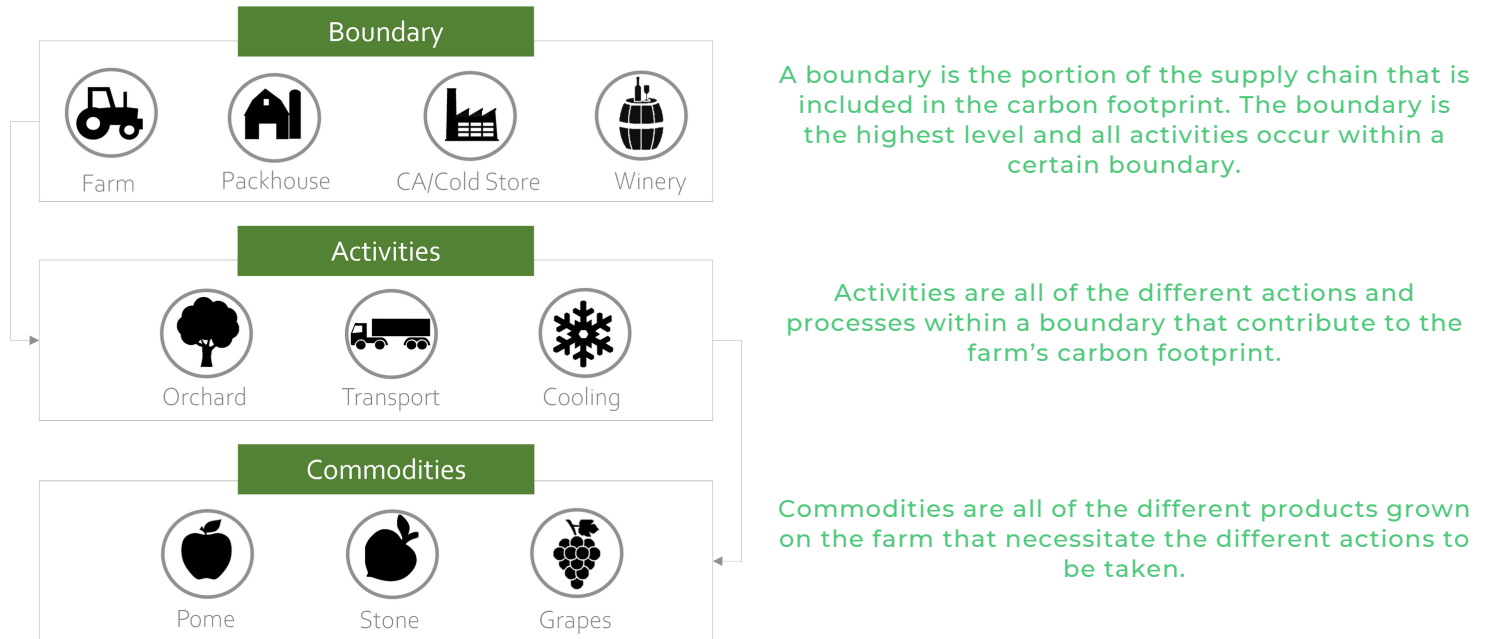


Allocation

Allocation is defined as the partitioning of input and/or output flows in a process to the product system under study. This is necessary in order to assign the correct proportion of CO₂ emissions to the different activities undertaken and products produced.

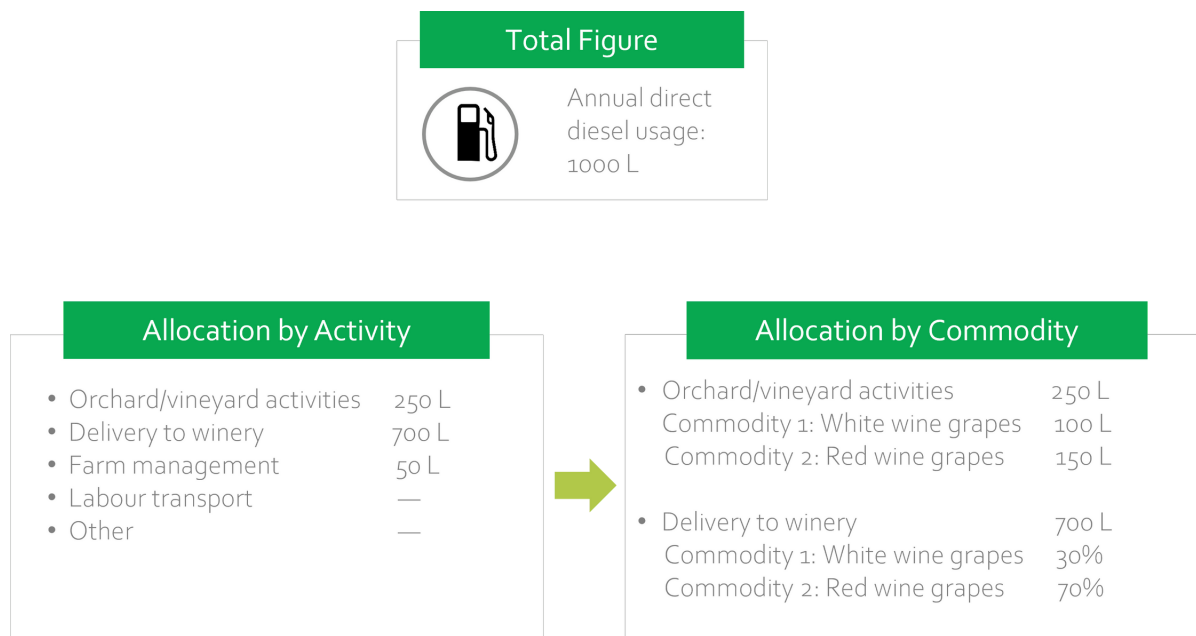
How Does Allocation Work?

Data at your business is usually available at a high level (i.e. total electricity used). To calculate the carbon footprint of a particular product, it is therefore necessary to break this data down into boundaries and then activities and finally, commodities. Correctly allocating data is an important part of the CCC tool and is necessary to get an accurate measure of your farm's carbon footprint.



Allocation Example:

Data at your business is usually available at a high level (i.e. total electricity used). To calculate the carbon footprint of a particular product, it is therefore necessary to break this data down into boundaries and then activities and finally, commodities. Correctly allocating data is an important part of the CCC tool and is necessary to get an accurate measure of your farm's carbon footprint.





Licenses and Next Steps

What is included in my license fee?

- A 2-hour online training workshop to equip you to successfully complete your carbon footprint.
- Remote support desk Mon-Fri to answer all your queries as you are collecting and inputting your data into the online CCC tool
- The sense-checking and grading of your data - a team of experts will review your data to identify gaps or errors and to help you get to an accurate and highly credible result
- A Full Carbon Footprint Report with detailed results and input benchmarks
- A Carbon Footprint Certificate that demonstrates your commitment to measuring and managing your carbon emissions
- Carbon Heroes programme - we give recognition to all our users that have completed their carbon footprint and had their data graded – please take a look at: www.carbonheroes.co.za

1 To purchase a license?

The 2022 license fee is R2 530 inclusive of VAT. You can purchase a license directly from the website's online store or complete a Google form in order to receive an invoice. Click here <https://www.climatefruitandwine.co.za/Products.aspx>

2 To request a sense check and grading of your dataset

Complete your data input and generate your report on the "Reports" tab.
Let us know via the "sense check" button on the "Reports" tab that you are ready to have your data checked and graded.

3 To attend a workshop:

View the workshop schedule at this link: <https://www.climatefruitandwine.co.za/Workshops.aspx>
Complete the Google form at the following link to book a workshop: <https://forms.gle/AEBTCyvdaCv6fs838>

4 I need help!

support@bluenorth.co.za

063 688 5596

Find us online at www.climatefruitandwine.co.za

Subscribe to our newsletters on the website:

www.climatefruitandwine.co.za

Find our videoclips on:

<https://www.climatefruitandwine.co.za/Support.aspx>