



Wine GB Carbon Calculator Guide

Quick Start Guide



How to use the Wine GB Carbon Calculator to calculate your winery or vineyard's carbon footprint. Completing this process can take between 1 - 3 hours depending on the complexity of your business - make use of all the homepage resources and FAQ's!

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1 → Create an account or login

It's quick and easy to create an account.

On the [Wine GB Carbon Calculator](#) click **Register** for a free account, or **Login** with your username if you already have one.

Once logged in you can secure your account by setting up two-factor authentication with an authenticator app on your phone. We recommend you take this simple step.

Register

Login



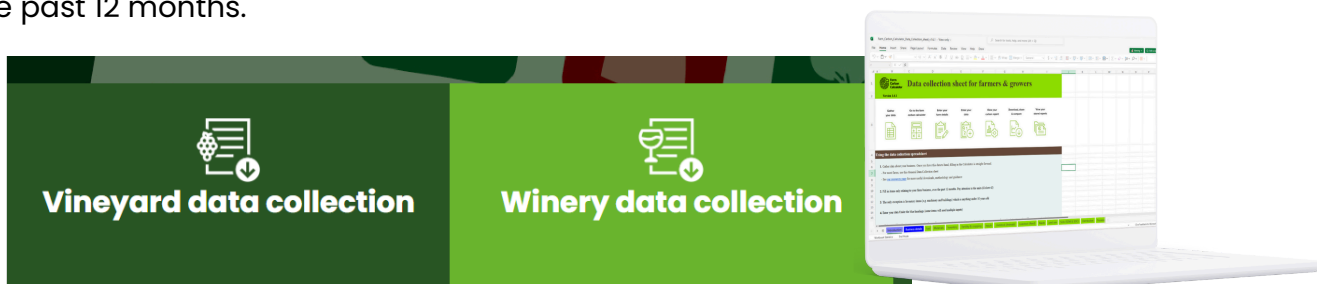
Complete your setup

- Protect your account
- Sign up to newsletter
- Tell us what you think

2 → Gather your data

Gather or collate information about your winery or vineyard together so you can enter this into the calculator. We have resources available that will get you thinking and show you what information you need at hand to complete a carbon footprint report. or you can skip to step 3. Use one of our **data collection spreadsheets** if you want to record your information offline first.

You'll be asked about the activities, purchases and processes in your business over the past 12 months.



Once you know where to get your data, and the formats required, it's a lot quicker to collate the next time you do a carbon report.

Gathering your data together can be hard or just time consuming. **If you don't know some information or can't find it all, move on to the next step.** Don't let this stop you from receiving your carbon footprint report. If you have questions contact → calculator@farmcarbontoolkit.org.uk



3 → Create a report

Once logged in you will reach your **Dashboard** where all your carbon reports are held.

› Click **Add New Report** which begins a new report and opens the report details page

Add New Report

› Enter some details about your report, and about your farm to start with. Some fields are mandatory - give your report a name, enter a reporting period, select some report options, and if you want to you can enter some farm information which allows us to build a better report and benchmarking for you.

Your report is created when you click **Save**.

› At any time you can return back to your **Dashboard** to continue, edit or view any of your reports.

Dashboard

4 → Enter your data

You will enter your information on the Data Entry pages as shown below.

Categories

Fuels Materials Inventory Crops Inputs Livestock Waste Distribution Sequestration Processing

Fuels ⓘ + Add New Live results

Emissions Totals

Type	t CO ₂ e
Total:	0.00

Click on any **category** from Fuels through to Processing in any order to add your information or just explore what is available. You can start by adding your data directly here, or refer back to our data collection guide or spreadsheet for your information to begin entering it. Both resources mirror the categories in the calculator.

Click on **+ Add New** and follow the drop down options available to enter your information under each category. Add all data that is applicable to your farm business. Follow the helpful hints throughout wherever you see this symbol: ⓘ

+ Add New

Your entries are **automatically saved**.

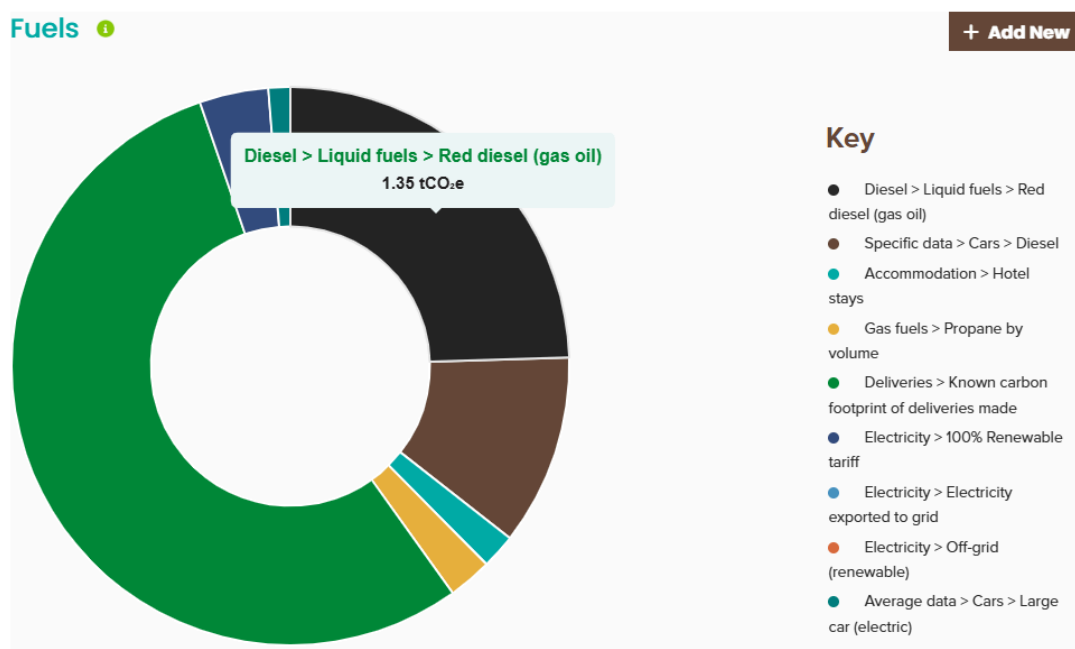
Check each category, and when you're done you can check mark as complete to record your progress.

Mark as complete



5 → View live results

Your emissions results in tonnes of Carbon Dioxide equivalent (tCO₂e) per year will update in real time as you enter your information as shown below – as an example.



Hover over the graph to see detailed information or look below for a table showing the emissions you have entered in each category. Here is where you can edit or delete items on the list – so don't worry about making a mistake.

Type	Quantity	Emissions (t CO ₂ e)	Offset (t CO ₂ e)	Edit	Delete
Liquid fuels > Diesel > Red diesel (gas oil)	397 l	1.35	0.00		
Cars > Specific data > Diesel	1,500 miles	0.61	0.00		
Accommodation > Hotel stays	4 nights	0.11	0.00		
Gas fuels > Propane by volume	60 l	0.14	0.00		
Deliveries > Known carbon footprint of deliveries made	3,000 kgCO ₂ e	3.00	0.00		
Electricity > 100% Renewable tariff	1,000 kWh	0.22	0.00		
Electricity > Electricity exported to grid	50 kWh	0.00	-0.01		
Electricity > Off-grid (renewable)	300 kWh	0.00	0.00		
Deliveries > Known carbon footprint of deliveries made	10 kgCO ₂ e	0.01	0.00		
Cars > Average data > Large car (electric)	elec car 500 miles	0.07	0.00		
Total:		5.51	-0.01		

Type	t CO ₂ e
Fuels	228.17
Inventory	128.40



On the right of the page is a chart running total of all the emissions data you have entered across all categories – a preview of your final report.

You'll be able to see how your carbon footprint is stacking up as you go. Use it as a decision making tool if you like – see the effect of changes to your overall emissions as you make changes to the data entered.

You could, for example, start or copy a report and tweak the figures to compare the impact of different practices: planting some new woodland; switching from plastic to paper bags in your packaging; using a new electric vehicle; or building your soil organic matter – try entering these ideas and instantly see the results.

We provide advice

Our farm advisors at Farm Carbon Toolkit are well placed to offer you advice on your farm. Read about what they do, download resources with further advice and contact them via the Farm Carbon Toolkit website. *Click this box to find out more.*

6 → Your report

Click **View Results** at any point to see your report.

 **View Results**

You will see a **Summary** report with graphs and tables displaying your farm's carbon footprint. Click **Full Results** to see all information entered. You can also see your farm's **Nitrogen balance**, and **Benchmark** your results against your peers and industry averages.

Summary

Full Results

Nitrogen

Benchmarking

There are lots of actions you can take from this page:

- > Return and **Edit Data**
- > **Download** a PDF, CSV or JSON export of your Report information
- > **Compare** your reports
- > Create farm **Scenarios** to explore the effect of changes
- > **Share** the report with another logged-in

 **Edit Data**

 **Download...** 

 **Compare**

 **Share Report**

 **Recalculate**

 **Lock report**

 **Scenarios**



user via a link

- > **Lock** a report so it can't be edited further
- > **Recalculate** results in a report if you had a problem during the process or we ask you to do this.



[Edit Farm Details](#)

You can also edit the details of your report by clicking **Edit Farm Details** on the report page.

You will now have completed the process of creating your carbon footprint for your farm.

To repeat the process in another year you can simply **copy** the report you created using the button your dashboard, change the reporting period, and then begin editing or deleting your data. If you are careful to change the information to reflect the new year then this speeds up the process.

You can even complete your data monthly or whenever you have a spare moment throughout the year – it does not have to be all at once.



7 → Make changes

The Farm Carbon Calculator helps farmers make positive changes to reduce their carbon footprint every year. There are lots of opportunities to cut emissions in all sectors, and to increase carbon sequestration in the soils and biomass on your farm.

A carbon footprint report will show you carbon hotspots on your farm - where the most emissions are generated. Whilst cutting emissions from all parts of your business is important, don't shy away from tackling the big ones.

In your Full Results table you'll see links to relevant sections of our Farm Carbon Toolkit - where you will find detailed advice, information and resources for farmers and growers to reduce their emissions or increase sequestration in specific areas

→ [See the toolkit](#)

Extra → Comparing reports

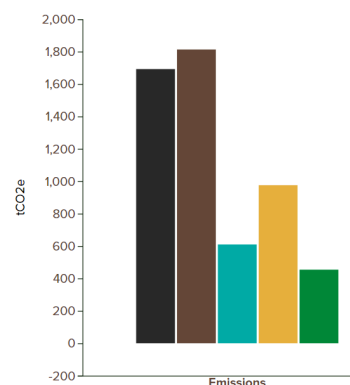
If you have two years' reports or information from different farms or scenarios you might want to see how they compare. To begin, click **Compare** on your results page from any report and select up to 5 reports you want to compare from your list.

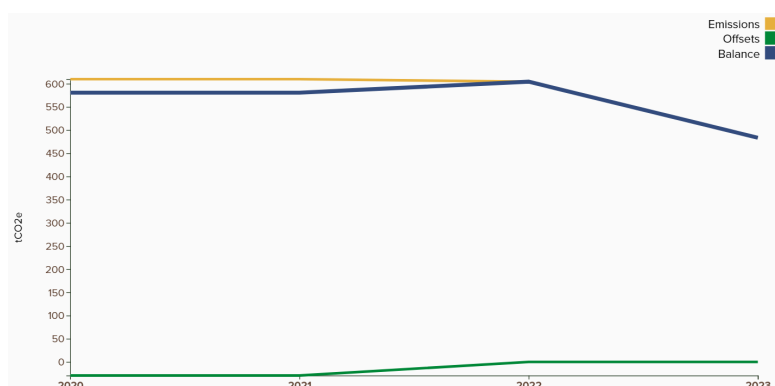
Compare	Timeline
Title	
Farm 1 September 22-23 01 Sep 2023	<input checked="" type="checkbox"/>
Farm 1 September 21-22 01 Sep 2022	<input checked="" type="checkbox"/>
Farm 1 September 20-21 01 Sep 2021	<input checked="" type="checkbox"/>
Farm 1 September 19-20 01 Sep 2020	<input type="checkbox"/>

Selecting **Compare** will compare your selected reports on key headline figures, such as emissions or sequestration, or key KPIs such as fuel per hectare.

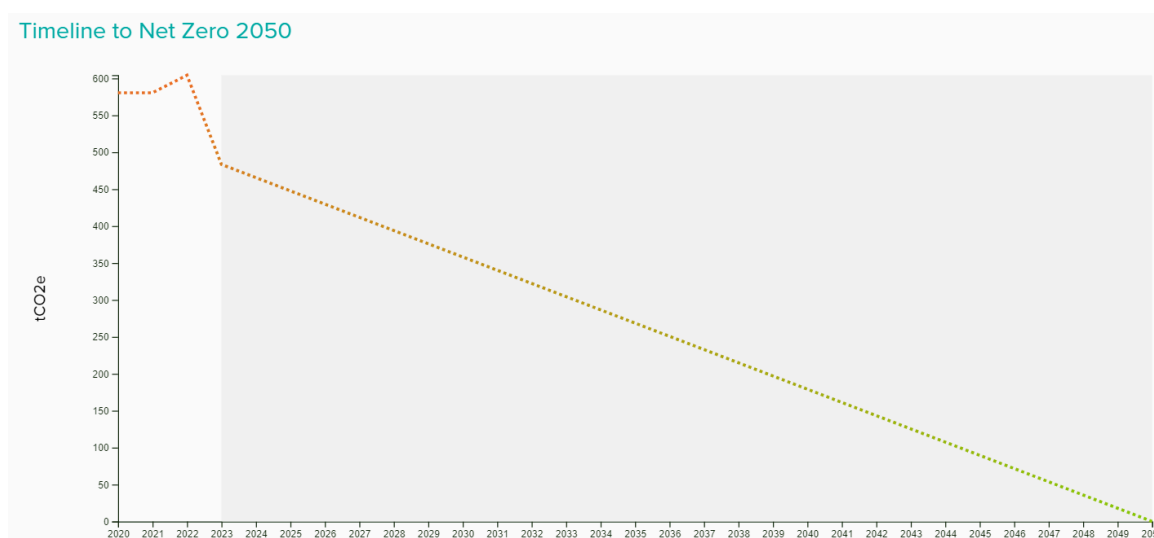
You might want to track several different farms across the same year on some key data for example.

Selecting **Timeline** allows you to see changes to emissions, sequestration and carbon balance, and compare these over time.





You can also track your progress toward net zero from the Timeline comparison – it may look something like below:



Extra → Investigate scenarios

If you want to see the effects of changes and compare these with the present on your farm you can create a scenario report. From your report page, click **Scenarios**

You can then create a scenario copy of the report you are viewing. Check the boxes to make preset changes and see the difference, though you can later edit the scenario report any way you would like. Use this to imagine different decisions that can be taken on farm and investigate the associated footprint.

When you are ready to compare the scenarios you can click **Scenarios** > **Scenario comparisons** or **Scenario timeline** to see the differences.

Remember you can edit or delete all reports at any time.

You can use this report as the base to create a new scenario - either starting from a duplicate of this report or choosing one or more of the presets below.

Don't forget to change the reporting period for the scenario report. You will then be able to compare it against the base report and other scenarios on a timeline.

- Reduce red diesel by 10%
- Switch to 100% renewable tariff
- Reduce fertiliser usage by 10%

Create Scenario

Scenario comparisons

Scenario timeline



Where to go for more support

[Read the FAQ's](#) available on the calculator website

Click on the green help icons throughout the tool

You can [contact us](mailto:calculator@farmcarbontoolkit.org.uk) for help at any time calculator@farmcarbontoolkit.org.uk

The Farm Carbon Calculator is part of The Farm Carbon Toolkit. Created by farmers for farmers, for over a decade we've worked to further the understanding of greenhouse gas emissions in agriculture. We provide tools and services to measure impact and run projects with farmers that inspire action on the ground. [Find out more](#)