

Beef + Lamb New Zealand

Greenhouse Gas Calculator

The B+LNZ Greenhouse Gas (GHG) Calculator is a free tool for sheep, beef and deer farmers to easily measure and report on-farm GHG emissions and sequestration.

Knowing your numbers will give you extra data to base your business decisions on. It will help you build a resilient, future-proofed business and it will give our customers, and the public, confidence that we're taking responsible action on climate change.

The calculator, along with B+LNZ's farm planning approach, helps farmers show they are contributing to meeting New Zealand's greenhouse gas emission reduction targets and meeting the He Waka Eke Noa milestones.






How the GHG Calculator works

The calculator takes information about your farm and your stock and applies science and data about average emissions at national, regional and farm system level to calculate your on-farm emissions.

You can do a simple calculation using your existing farm and stock number information. This will give you 'emissions numbers' to get you started.

You are able to add further summary information about livestock purchases, sales and grazing, fertiliser use and woody vegetation cover to give you a more complete picture of your farm.

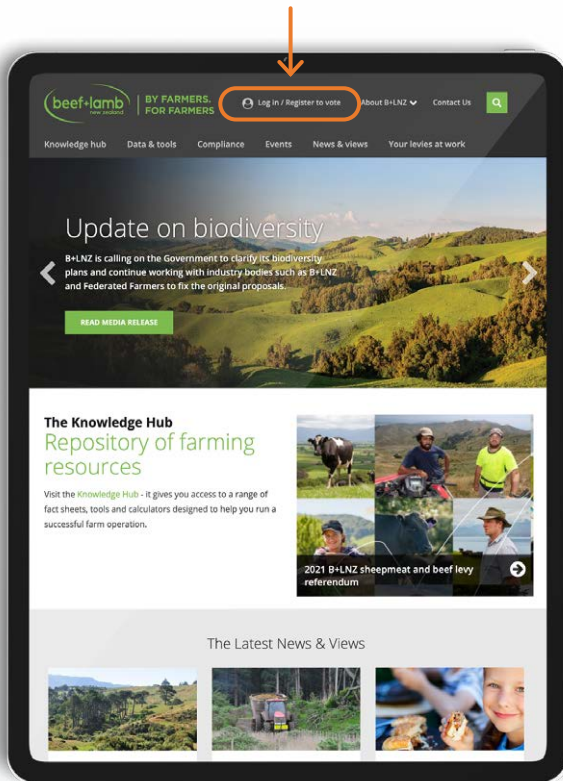
This information includes:

-  **Stock movements** throughout the year including births, sales and purchases and stock that are grazed on or off. This information helps get a more complete picture of stock that are on your farm and their associated emissions.
-  **Fertiliser use** (you can get these figures from your fertiliser company). This information contributes to a more complete picture of your inputs.
-  **Woody vegetation cover.** This information helps identify where sequestration is happening on your farm and adds to a more complete picture of your emissions.

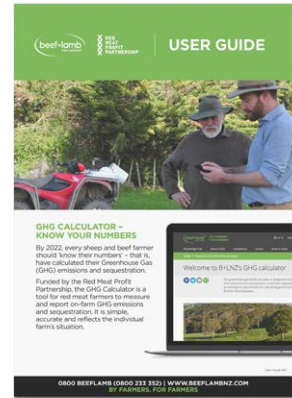
Log in and get started

The GHG Calculator is accessed by logging in to the 'Dashboard' on the B+LNZ website. Logging in means data is securely saved for farmers so you can go back and add further information as it comes to hand and access your data in future.

You will need an online account for the B+LNZ website. It's quick and easy to set this up - go to www.beeflambnz.com, click on 'Log in/Register to vote' at the top of the homepage and fill in the 'Please create online account' section.



B+LNZ have developed a User Guide, to take you through the tool step-by-step - find it on the Knowledge Hub. And there are videos on B+LNZ's YouTube channel demonstrating its use as well.



Security

B+LNZ will not share your individual data with anyone without your explicit permission.

B+LNZ will report on the number of farmers using the calculator; but will not report on any individual farm's GHG emissions total.

Why should I calculate emissions?

New Zealand's agricultural sector has a role to play in contributing to meeting specific greenhouse gas emission reduction targets, as part of international commitments on climate change and in the Climate Change Response (Zero Carbon) Act.

The He Waka Eke Noa partnership, which the red meat sector is part of, puts management and mitigation of greenhouse gas emissions in farmers' hands, instead of a tax at processor level being imposed by the Government.

By the end of next year (2022) we have to show that all farms¹ know their greenhouse gas emissions numbers, and by the end of 2025 all farms have to have a written plan to measure and manage their emissions.



¹ A farming enterprise larger than 80 hectares; a dairy herd with a milk supply number; or a feedlot. This covers about 97% of agricultural greenhouse gas emissions and 25,000 farms.