

## FACTSHEET

07 July 2021

### Equipping farmers and growers to know their GHG numbers, and have a written plan.

**By the end of 2022, all of our farms need to know their greenhouse gas numbers.**

Information from *He Waka Eke Noa: The Primary Sector Climate Action Partnership* can help industry bodies and farmers understand the options available to estimate their agricultural greenhouse gas emissions.

1. [Greenhouse Gases: Farm Planning Guidance](#)
2. Reports from AgFirst on tools and calculators that meet requirements for calculating greenhouse gases:
  - a. First report, March 2021: [GHG Model Assessment Report 25 March](#)
  - b. Second report, June 2021: [Review of Models Calculating Farm Level GHG Emissions 2 June 2021](#)

#### *About the Farm Planning Guidance*

**This is a guide for farmers and growers to help measure, manage and reduce greenhouse gas emissions.**

- Industry bodies are incorporating guidance into their farm environment plans.
- Many farms already have a farm plan, often as part of their industry assurance programme.
- The guidance is to help farmers, growers and their advisors incorporate the management of greenhouse gases into farm planning, by understanding their emissions profile and what contributes to it, exploring opportunities to reduce it, and keeping good farm records.
- This guidance sets out basic principles to guide farmers and growers, backed by practical information on opportunities to reduce greenhouse gas emissions and capture carbon.

#### *About the Greenhouse Gases Model Assessment Reports*

The tools and calculators listed below have been assessed as meeting the minimum requirements for estimating a farm's greenhouse gas emissions. This list will be added to as other tools are assessed.

A total of ten tools and calculators can now be used by farmers and growers to get an understanding of their current agricultural greenhouse gas emissions.

The full list and the industries they cover:

	Dairy	Sheep & Beef	Deer	Horticulture	Arable
Alltech	✓	✓			
E2M	✓	✓			
Farmax	✓	✓	✓		
Fonterra	✓				
Hort NZ				✓	
MfE	✓	✓	✓	✓	✓
Overseer	✓	✓	✓	✓	✓
ProductionWise (FAR)					✓
B+LNZ GHG Calculator		✓	✓		
Farm emanage (Toitū + Overseer)	✓	✓	✓		✓

## **What happens next?**

Farms need to know their numbers by the end of 2022 if they are 80ha or more, or have a dairy supply number, or are a cattle feedlot as defined in freshwater policy. Around 11,000 farmers already have a GHG number for their farm.

The partnership recognises that not all farms have the same opportunity to reduce emissions. However, the choices each farmer makes will have a collective impact on Aotearoa's agricultural greenhouse gas emissions, and the first step is knowing your numbers.

The Partnership is working to develop the farm-level emissions pricing system for 2025, including recognising on-farm sequestration. The Review of Models highlights that different tools can give different outputs at this stage, due to a combination of differing assumptions around drymatter and energy utilisation, nitrogen content of forages, and assumptions made by the model operator on the farm system. This is one of the complexities being resolved in the process of developing the pricing system.

Preliminary recommendations for the pricing system, including recognising on-farm sequestration, will be shared more broadly with farmers and growers by industry partners in November. In March 2022 He Waka Eke Noa will present recommendations to Ministers.

## **Want to know your numbers?**

Farmers wanting advice can talk to their industry representative, supply company, or other trusted advisors, about knowing their numbers and incorporating GHG into Farm Environment Plans.

To find out more about agricultural greenhouse gas emissions and how they work at the farm level, have a look at [www.agmatters.nz](http://www.agmatters.nz)

To talk to the Partnership, contact [yourfeedback@hewakaekenoa.nz](mailto:yourfeedback@hewakaekenoa.nz).

## **About He Waka Eke Noa – the Primary Sector Climate Action Partnership**

He Waka Eke Noa – the Primary Sector Climate Action Partnership – is the primary sector, Māori and Government working together on climate change and agricultural greenhouse gas emissions. Instead of a tax on emissions at the processor point, we agreed to work together, along with farmers and growers, to design a better system that recognises the good work our farmers and growers do.

The partnership is committed to achieving a solution that is practical for the primary sector, rewards efforts to reduce emissions and increase sequestration, and supports the sector's future success.

By 2025 the partnership will develop and implement a framework to empower farmers and growers to measure, manage and reduce on-farm emissions; recognise, maintain or increase integrated sequestration on farms; and adapt to a changing climate. This will include an appropriate on-farm pricing system recognising on-farm emissions and carbon sequestration.

### **This year He Waka Eke Noa is also working on:**

1. Recommendations for an appropriate farm level emissions pricing system from 2025 as an alternative to the Emissions Trading Scheme
2. Recognition and measurement of on-farm sequestration that will be a part of the pricing system. Farmers and growers are involved in this ongoing work.

**Partners:**

- Beef + Lamb New Zealand
- Dairy NZ
- Federated Farmers of New Zealand
- Horticulture NZ
- Federation of Māori Authorities (FOMA)
- Ministry for the Environment (MfE)
- Ministry for Primary Industries (MPI)
  - Foundation for Arable Research (FAR)
- Dairy Companies Association (DCANZ)
- Deer Industry New Zealand (DINZ)
- Meat Industry New Zealand (MIA)
- Irrigation New Zealand
- Apiculture NZ

**Supporting organisations include:**

- NZAGRC
- PGgRc
- AgResearch
- Department of Conservation
- Fertiliser Association of New Zealand
- Manaaki Whenua
- Scion