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AgNav Farmer User Manual

Dairy and Beef Enterprises

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1. Signing up and Logging on to AgNav

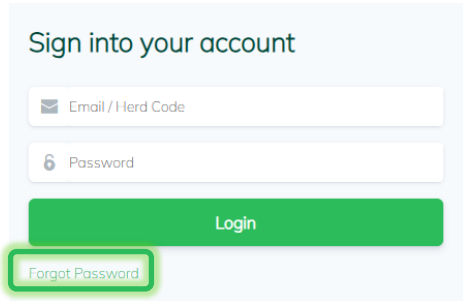
Currently, AgNav Dairy and Beef is only available to farmers that are registered with the Irish Cattle Breeding Federation (ICBF) and have completed at least one Bord Bia Sustainability Survey. You do not need to sign up directly to AgNav.

Log-in through AgNav website

Log in to AgNav from the main website page (www.agnav.ie) by clicking the log in button on the top righthand side of the screen, which will bring you to the log in page (www.agnav.ie/login). To log in for AgNav Dairy and Beef, your default log in information will be your ICBF log in (email/herd code and password).

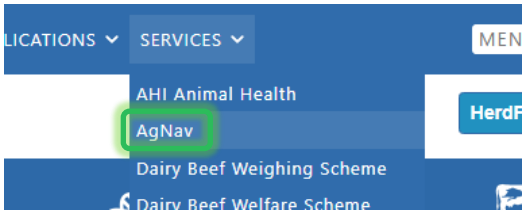
If you have forgotten your password, click 'Forgot Password' and follow the instructions to create a new password.

If you have updated your ICBF password after 1 September 2025, your AgNav password will not have been updated along with your ICBF password. In this case, either enter your old password or select 'Forgot Password' and follow the instructions to create a new password.

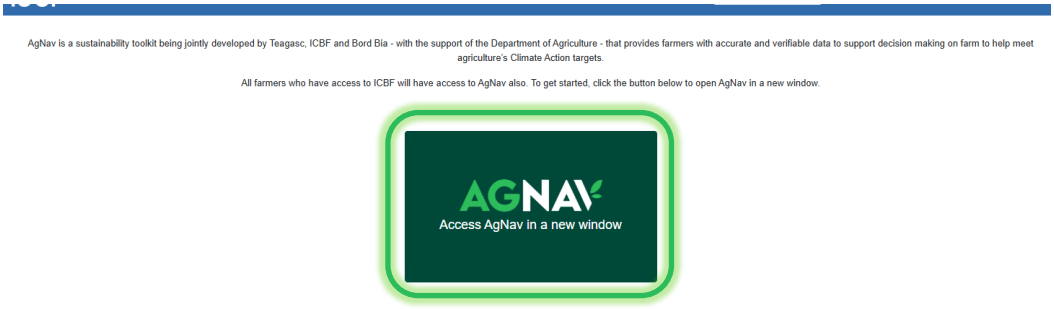


AgNav Single-Sign On from ICBF

You can also access AgNav.ie through the ICBF website. If you are logged into ICBF, under the 'Services' menu, you can select 'AgNav'.



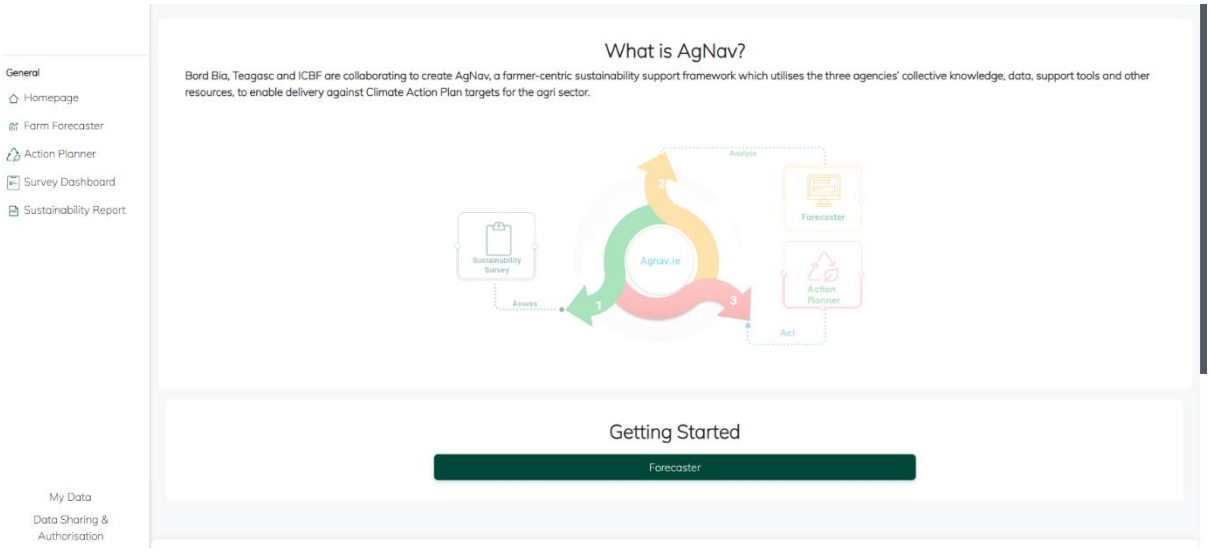
This will bring you through to the screen shown below. To access AgNav, click on the green button in the centre of the screen. This will bring you to AgNav's farmer home page.



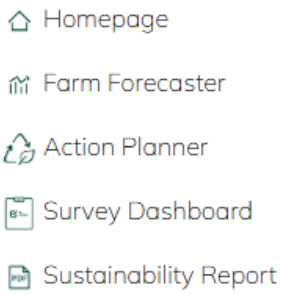
2. Navigating AgNav

Farmer Homepage

When you first log into AgNav, you will be directed to your homepage (see below). This page provides more information on what AgNav does and links you to the 3 main areas of AgNav: the Survey, the Forecaster, and the Action Planner.

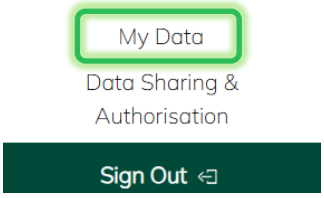


You can navigate to the Survey Dashboard, the Forecaster, and the Action Planner from the menu on the lefthand side of the screen.



My Data

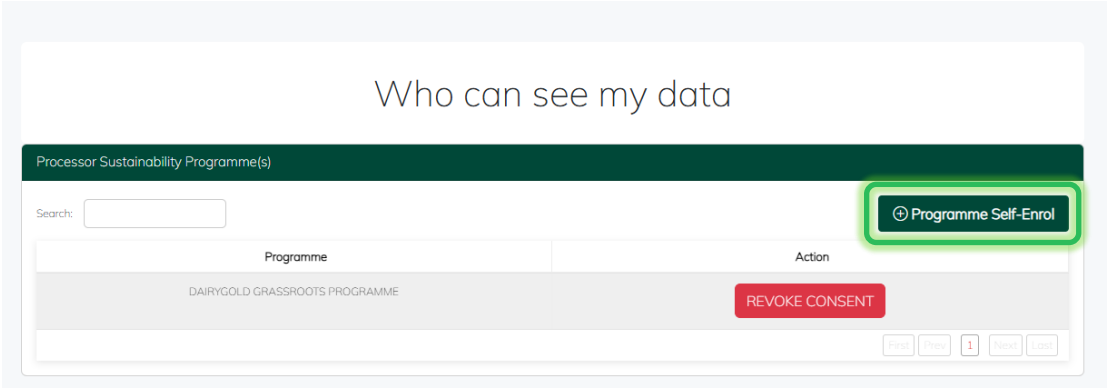
Selecting this button takes you to a page detailing who has access your data, such as the AgNav partners (Bord Bia, Teagasc, and ICBF) or any third-party organisation (i.e., a processor).



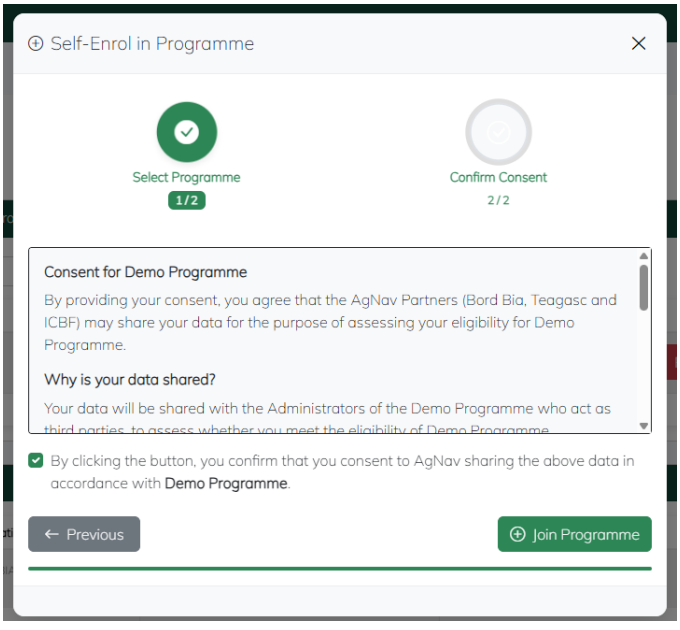
Providing Data Access to Third-Party Organisations

On the My Data page, you can now provide data access to third-party organisations directly on AgNav. The purpose of data access will differ depending on the third-party organisation. Please carefully read what you are consenting to share with the third-party organisation before joining the programme.

To provide access to your data to third-party organisations, select 'Programme Self-Enrol'.

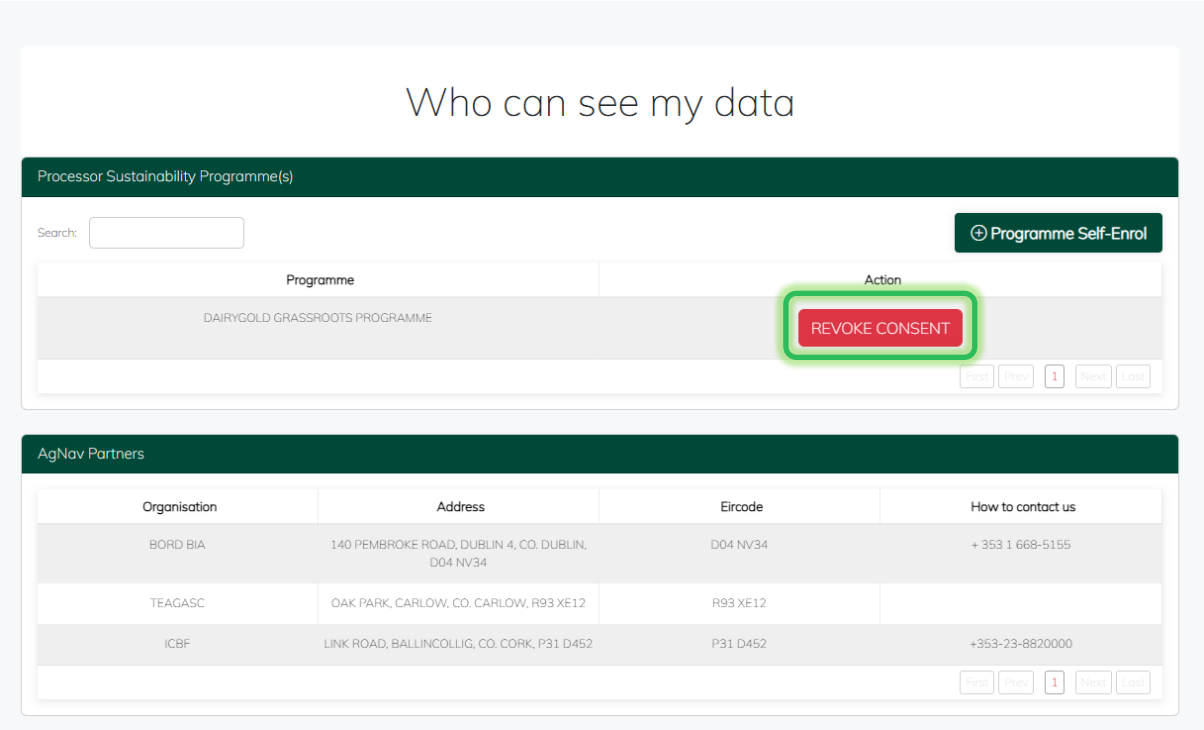


Clicking this button will open a window (see below), where you can select a third-party organisation programme from a list (the one detailed in the image is solely for demonstrative purposes). Once you have selected the programme you want to provide data access to, read what you are consenting to share. If you consent to share your data, click the box underneath the description. Then click 'Join Programme' at the bottom of the window.



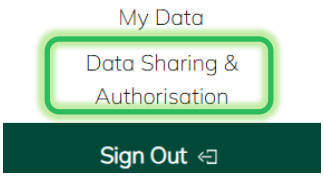
Revoking Data Access

On the My Data page, you can revoke a third-party organisation's access to your data on AgNav by selecting the 'Revoke' button (see below). Please note that if you remove yourself from a Processor Sustainability Scheme here, this will only remove you from the Processor Sustainability Scheme within AgNav. You will need to contact the third-party organisation to fully remove yourself from their programme.



Data Sharing & Authorisation

Selecting this button will open a pop-up window containing information on AgNav's data sharing and authorisation policies. This includes how AgNav uses your data, which data AgNav uses, and how your data is stored.



Signing Out

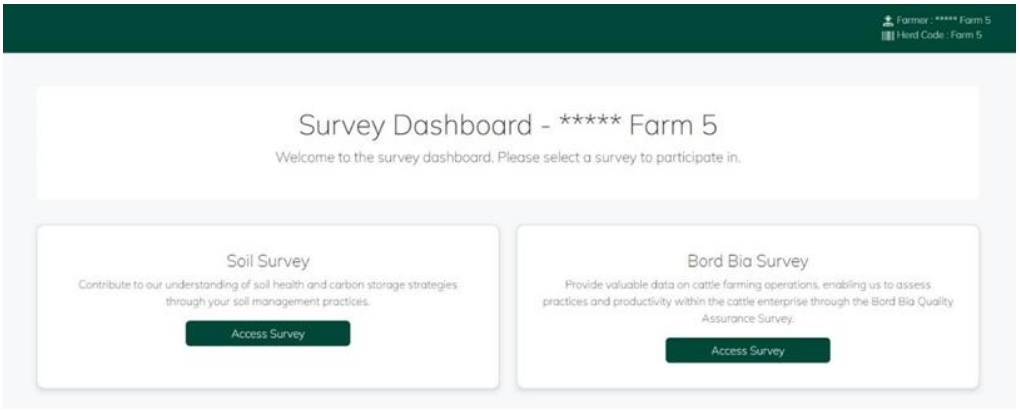
To sign out of AgNav, click the 'Sign Out' button on the lower lefthand side of the screen.

3. Accessing and Modifying Surveys

Survey Home Screen

Your farm's soil survey and Bord Bia Survey can both be accessed from the survey home screen.

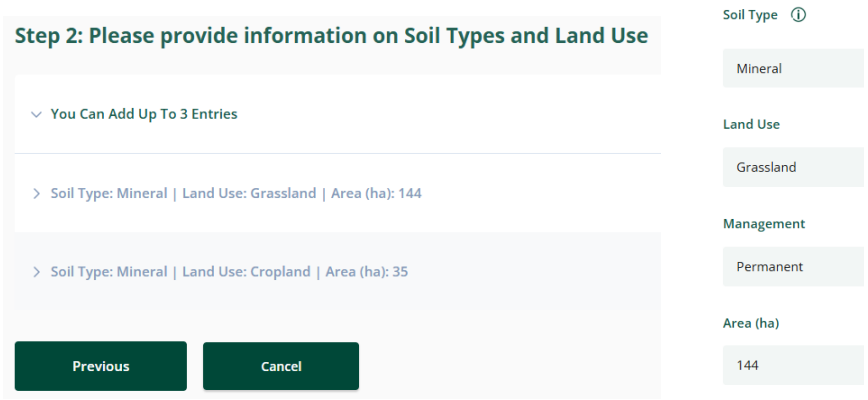
The soil survey needs to be filled out for AgNav to calculate your farm's soil carbon. This is optional. The information required to complete this soil survey includes the production year and information on soil types, area with that soil type, and land-use (i.e., crops or grassland).



Soil Survey

To complete your soil survey, navigate through the survey using the dropdown menus and text boxes to fill in your farm's information. On the first page, you enter the production year.

On the second page, you can add information on up to three soil types. The survey requires information regarding soil type, land use, management type, and area.



4. AgNav Analyse: Using the Forecaster

Finding your Farm's Numbers in the Forecaster

The top part of the forecaster screen shows your farm's environmental indicators for the displayed production year (this defaults to the year of your most recent Bord Bia audit). You can click on the different tabs to view the different indicator's data. The numbers provided for each environmental indicator are described in Table 1.

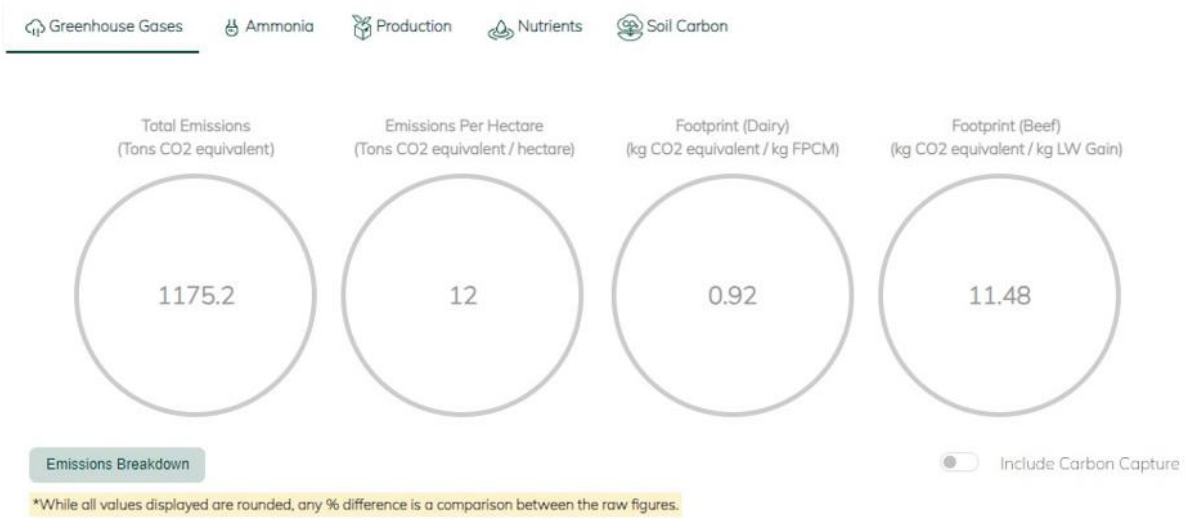


Table 1: Environmental indictors calculated in the Forecaster by AgNav for each farm.

Environmental Indicators	Sub-categories (unit)
Greenhouse Gases (CO_2)	Total Emissions (tons CO_2 equivalent) Emissions per Hectare (tons CO_2 equivalent/ha) Dairy Footprint (tons CO_2 equivalent/kg FPCM) Beef Footprint (tons CO_2 equivalent/kg LW gain)
Ammonia (NH_3)	Total Emissions (kg NH_3) Emissions per Hectare (kg NH_3/ha) Dairy Footprint (g NH_3/kg FPCM) Beef Footprint (g NH_3/kg LW gain)
Production	Stocking Rate (LU/ha) Milk Solids produced per cow (kg) Beef Produced per LU (kg LW/LU)
Nutrients (Nutrient Balance)	Nitrogen (kg N/ha) Phosphorus (kg P/ha)
Soil Carbon	Total Emissions (tons CO_2 equivalent) Emissions per Hectare (tons CO_2 equivalent/ha)

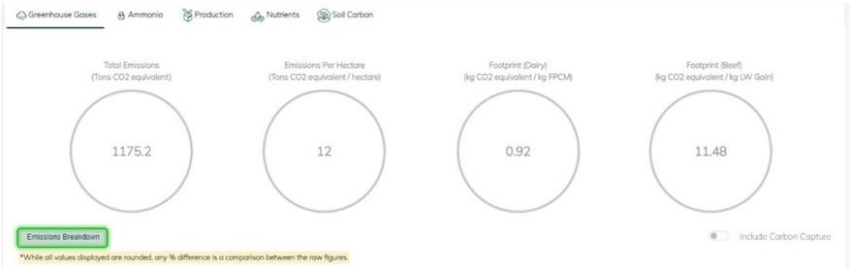
FPCM = fat protein corrected milk
LU = livestock unit
LW = live weight

Carbon Capture

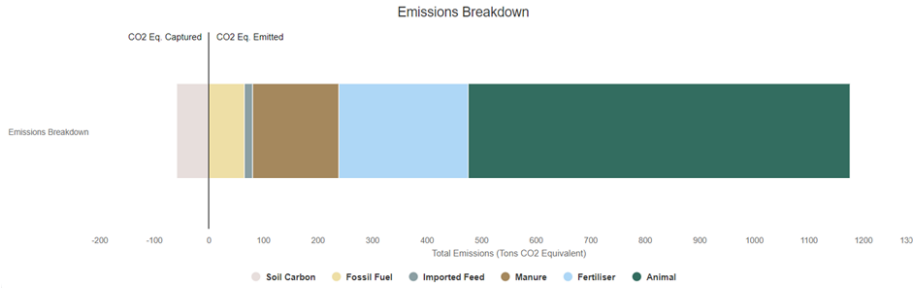
If you have filled out your soil carbon survey, you can toggle on 'Include Carbon Capture'. This feature will change your base figures to include the amount of carbon being captured by the soil on your farm.

Emissions/Nutrient Balance Breakdowns

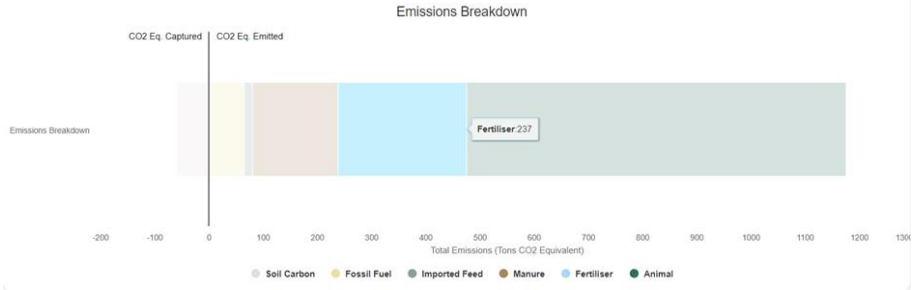
A breakdown is available for both Greenhouse Gases and Nutrients, and can be shown/hidden by clicking the 'Emissions Breakdown' or 'Nutrient Balance Breakdown' button at the bottom of the environmental indicators' box.



The box will then expand and show the breakdown of your farm's GHG emissions (Soil Carbon, Fossil Fuels, Imported Feed, Manure, Fertiliser, and Animal) or Nutrient Balance (Feed, Manure, Synthetic Fertiliser, Milk, and Livestock).



Specific values for each can be found by hovering your mouse over each section of the bar chart.

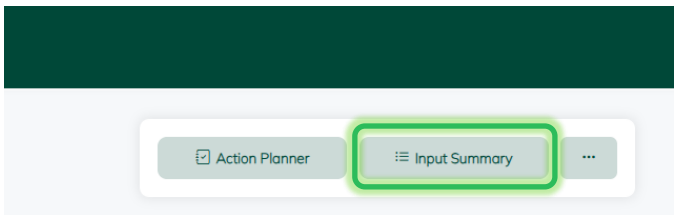


If modifications have been made and the forecaster recalculated, the breakdowns will detail both the current and predicted emissions for each category.

The breakdowns will remain visible until the button is clicked again.

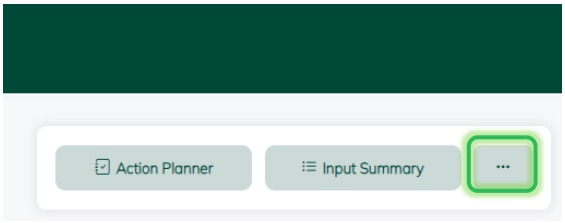
Forecaster Input Summary

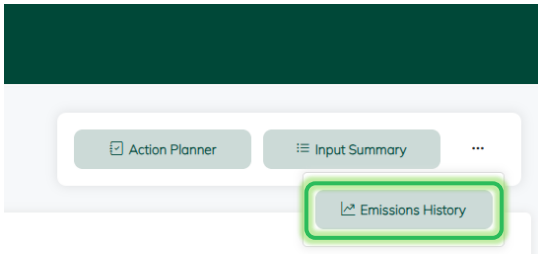
The data that the forecaster's calculations are based on can be viewed (and closed) by clicking on 'input summary', located in the top right hand side of the screen.



Emissions History

To view your farm's emissions history (where applicable), click on the '…' button at the top right-hand side of the page, which will expand and give the 'Emissions History' button. Click this button, and it will expand and provide your farm's emissions history for the years in which AgNav has information.





Forecaster Functions

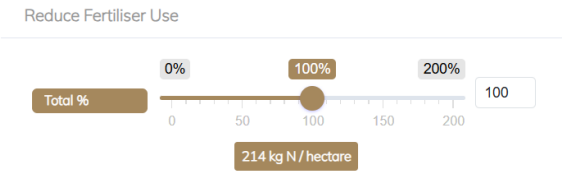
The second half of the forecaster screen shows the forecaster functions (Table 2), which allow for different areas of farm management to be digitally manipulated to see how those changes affect the farm's environmental indicators. There are currently six forecaster functions (as of July 2025), with more to be added in the future. Some of the forecaster functions are currently enterprise-specific (i.e., finishing age for beef).

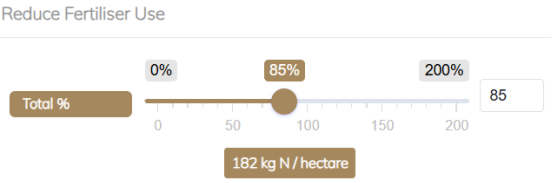
Table 2: Forecaster functions currently available in AgNav.

Forecaster Function	Modifiers to Environmental Indicators
Nitrogen Fertiliser	Amount of fertiliser used Type of fertiliser used
Slurry Spreading	Quantity (%) of slurry spread in the Spring, Summer, Autumn, and Winter (January only). Method of slurry spreading
Grazing Season	Turnout and housing dates for dairy cows, suckler cows, weanlings/yearlings/stores, and finishing cattle (steers and heifers)
Finishing Age (beef only)	Average finishing age for steers, heifers, and young bulls
EBI (dairy only)	Target EBI for the herd
Dairy Concentrates (dairy only)	Amount of concentrates Concentrate crude protein content (%) Sustainable sourced ingredients (yes/no)

Modifying Forecaster Functions

To modify forecaster functions, adjust the sliding bars or use the drop-down menus to select from the available options. If a value is listed to the righthand side of a slider, you can also modify the value there instead of using the slider.

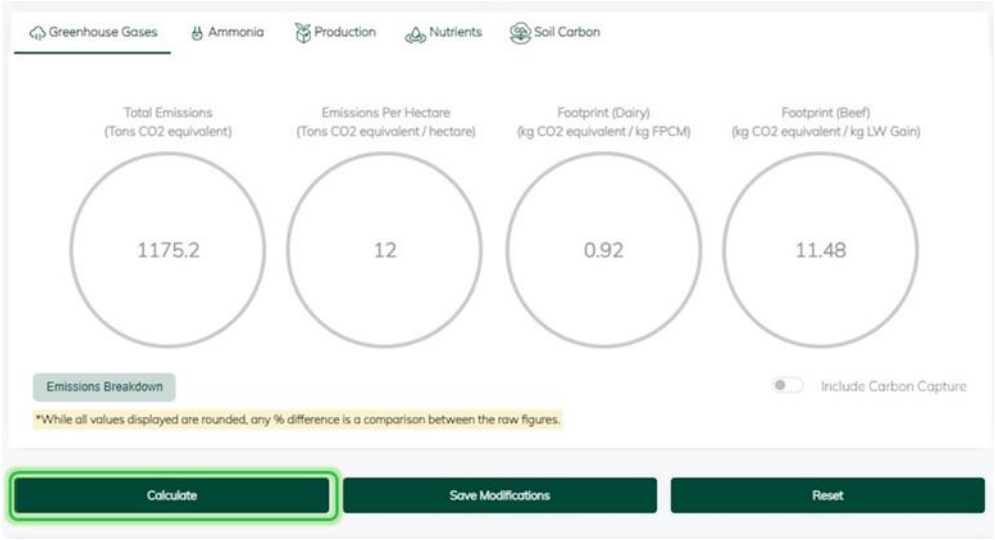




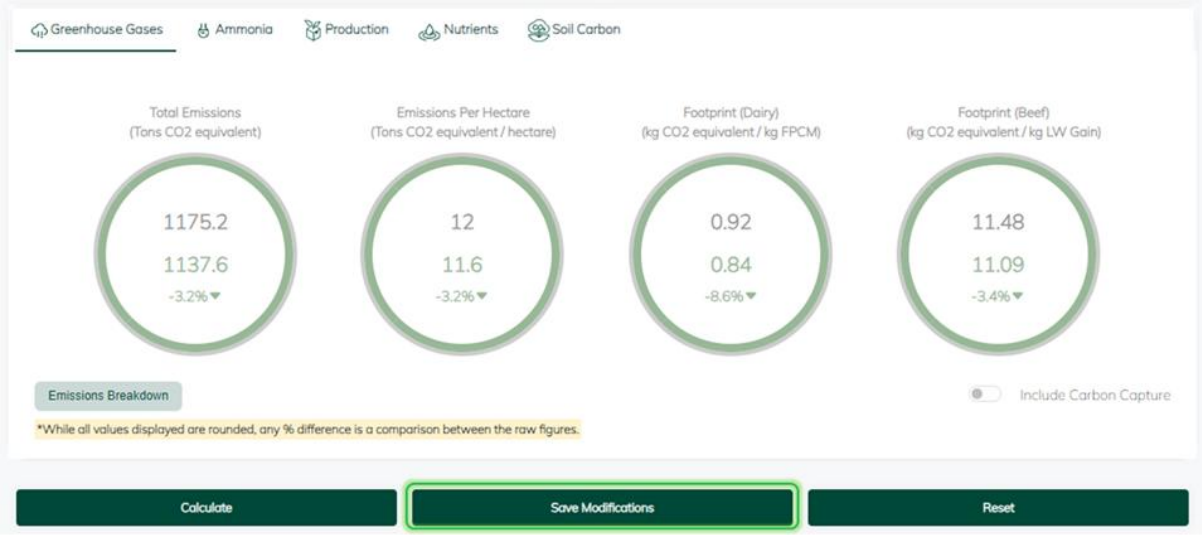
To modify dates, click on the date and select a new one.

Recalculating and Saving your Farm's Environmental Indicators

After modifications have been made in the forecaster functions, your farm's environmental indicators can be recalculated by pressing the 'Calculate' button.



Once you are happy with the modifications, they need to be saved by clicking the 'Save Modifications' button – this saves the modifications so that they will be included in the AgNav Sustainability Report.



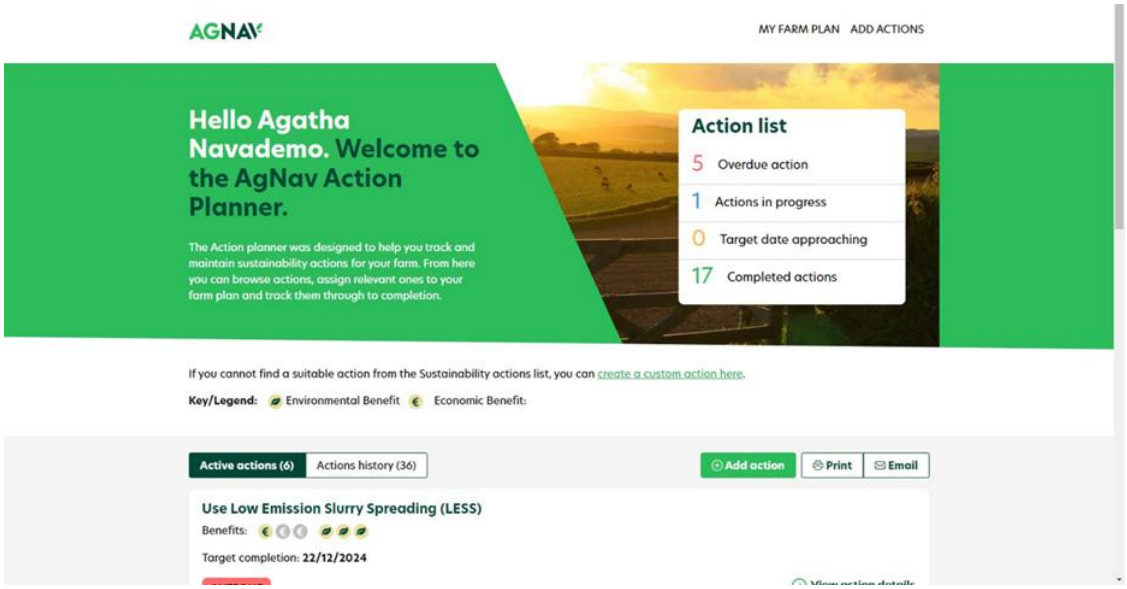
Accessing the Action Planner from the Forecaster

Once your modifications have been saved, the action planner can be accessed from the forecaster by pressing the ‘Action Planner’ button at the top right-hand side of the page.

5. AgNav Act: the Action Planner

Action Planner Home Screen

Clicking the ‘Action Planner’ button on the Forecaster will bring you to the Action Planner home screen for your farm.



On this page, you can search for and select actions that you would like to add to your farm’s sustainability action plan. Often, these coincide with changes that were made on the forecaster (i.e., reduce the amount of chemical fertiliser used).

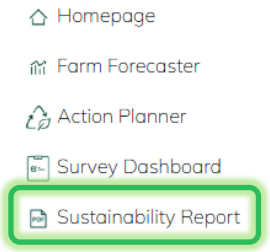
If you joined AgNav through the Signpost Advisory Programme or a processor scheme, you will be able to view the actions that you selected with your advisor. Clicking on an action will take you to the action’s own page, where you can view more specific details on the action.

Adding Actions

Click the ‘Add action’ button at the top of the page. You will be taken to a page where you can choose actions by selecting a theme and area from drop-down menus, or by scrolling through the list of actions. For each action, you can view further details by clicking on the ‘view action details’ button (this will take you to a separate page). From here, you can select sub-actions and save those to the plan. Actions may also be added to the plan by clicking on the ‘quick add’ button while on the main list.

6. Downloading your AgNav Sustainability Report

To download your AgNav Sustainability Report on AgNav, click the 'Sustainability Report' button on the left side menu. This will start the download of the PDF version of your report.



The AgNav Sustainability Report will have two sections: a report detailing your farm's past, present, and potential emissions figures (based on the modifications you made and saved in the Forecaster) and a list of sustainability actions that you selected in the Action Planner.

7. General Information

Who to contact if you have a general question about AgNav?

If you have a general question about AgNav, you can ring the Bord Bia Helpdesk on (01) 524 0410, Monday to Friday, 9am to 8pm.

Who to contact if you want to update your Bord Bia Sustainability Survey?

If you want to update information in your Bord Bia Sustainability Survey, you can ring the Bord Bia Helpdesk on (01) 524 0410, Monday to Friday, 9am to 8pm.

Who to contact if you have a query regarding the technical content of AgNav?

If you have a technical or scientific question about the contents of AgNav, we suggest you sign up to Teagasc's free Signpost Advisory Programme (SAP). If you sign up to SAP, you will be contacted by your local SAP Climate Advisor, who will visit you to help you create your AgNav Sustainability Action Plan.

For more information on SAP: https://teagasc.ie/environment/climate-change-air-quality/signpost-programme/signpost-advisory-programme/what-is-the-signpost-advisory-programme/

To sign up for SAP: https://teagasc.ie/environment/climate-change--air-quality/signpost-programme/signpost-advisory-programme/sign-up/