Kiwifruit dashboard tools

- A single web-based software platform but three dashboard tools i.e.
 - Orchard
 - Postharvest (packhouse/coolstore)
 - Zespri (for industry-level reporting and based on data provided by the orchard and postharvest tools)
- All following Screenshots are from the Demo site, using only dummy data.





Orchard dashboard

Home page

Consists of 3 main sections i.e. Home page, Data Entry and Reports

Home

Data Entry

Reports



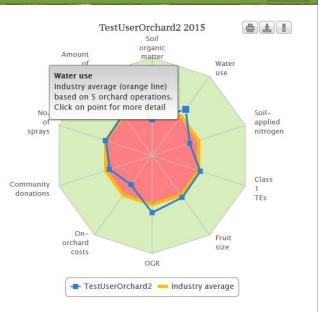
Welcome to the Kiwifruit Sustainability Dashboard

This tool will allow you to monitor, report and benchmark key performance indicators relating to sustainability.

It is being developed as part of the <u>New Zealand Sustainability Dashboard project</u>, funded by MBIE and supported by a number of kiwifruit partners (shown below).

Click here for notes on entering data in the data entry section.

The home page describes the tool and presents a snapshot of the results for the user in the form of a spider chart (see page 7 for how to interpret this)



Feedback

available

button





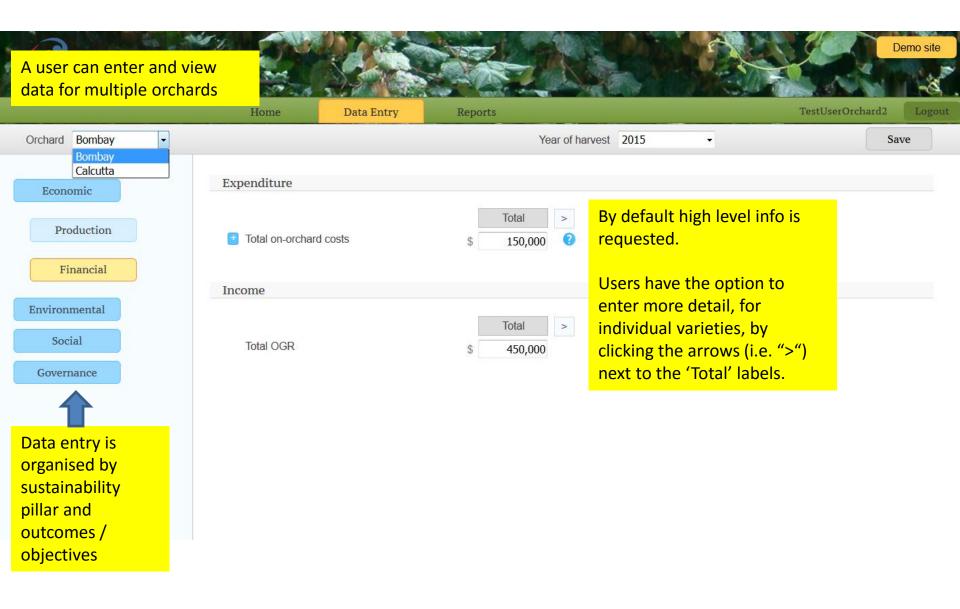


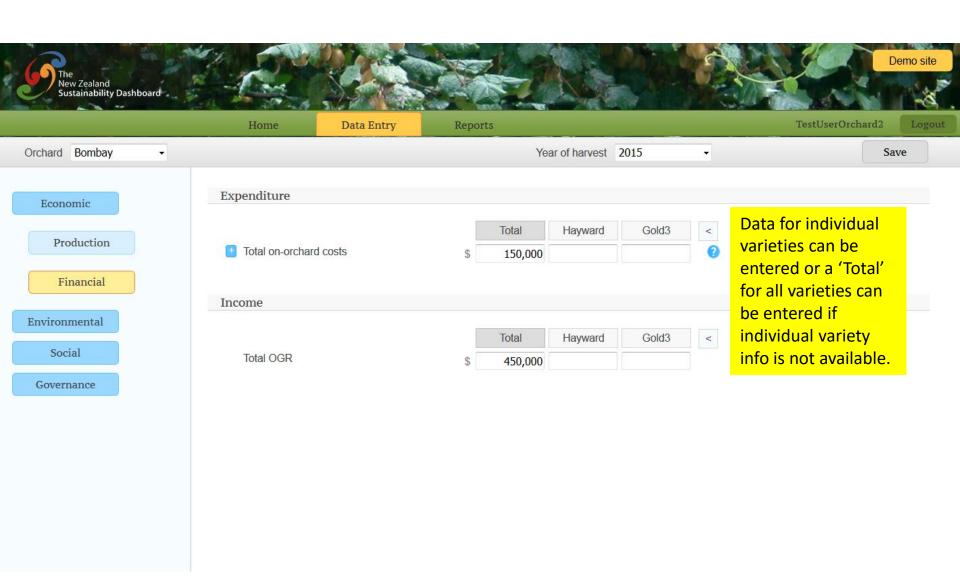


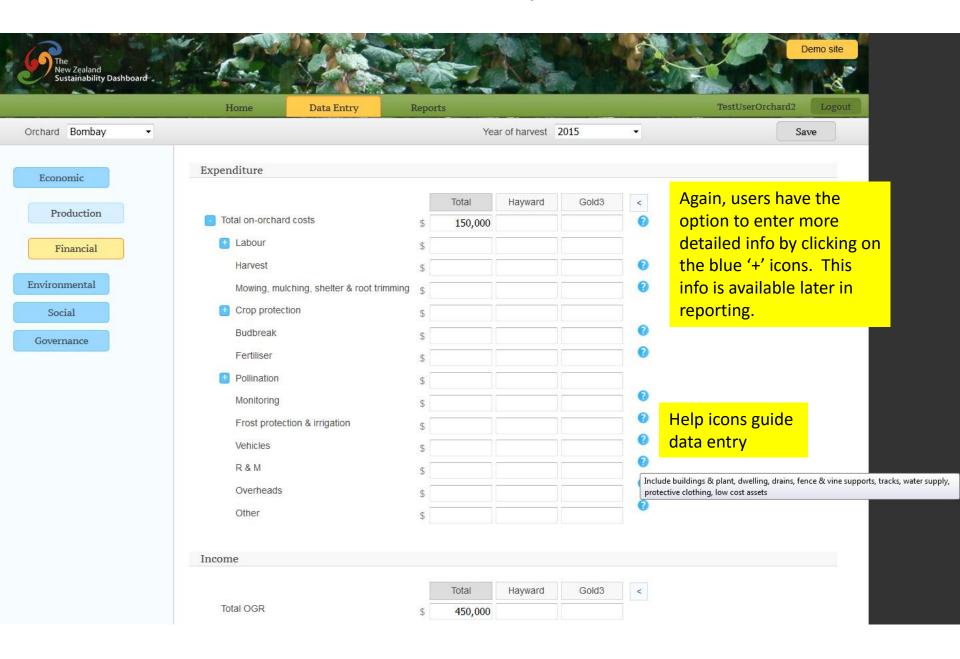


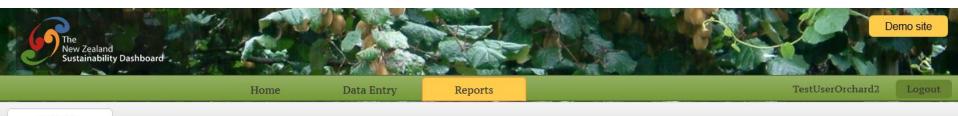


Industry partners





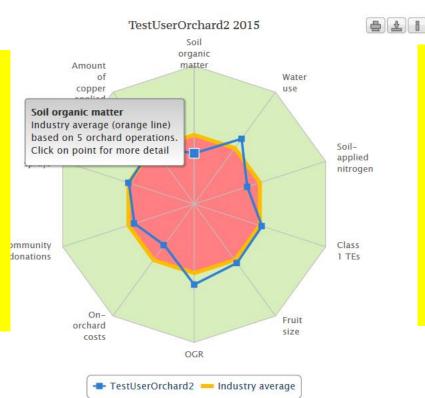




Reports

Chart interpretation

Orange line in the middle is average of all orchards (that data has been entered for). Blue points are the average values for the orchards associated with the user that is logged in. If these points are outside the orange line in the green zone then their result is better than average; vice versa if inside the orange line in the red zone



Clicking on the blue points leads to more detailed results including for individual orchards and varieties (see example on next page).

Hovering over the blue points reveals additional context i.e. the number of orchard operations that the average is based on.

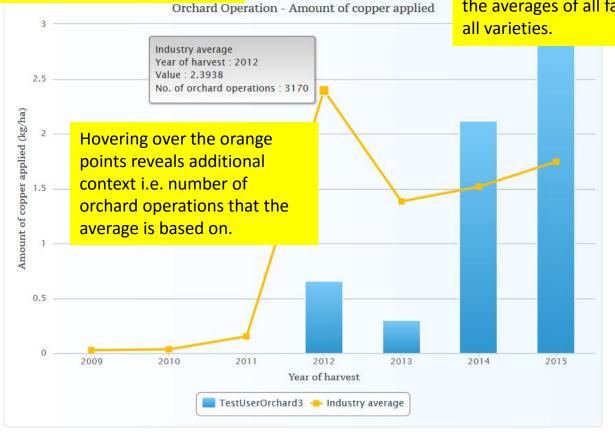
A major objective of the dashboard tools is to use existing industry data to minimise data entry burden.

Reports

Here, the results shown are based on Zespri spray diary data that has been automatically imported – this data was previously entered by users as part of their normal orchard management requirements.

Reporting menu allows benchmarking to be customised e.g. for a particular orchard, variety, region etc. By default, the results reported initially are the averages of all factors e.g. all varieties





Postharvest dashboard

Home page

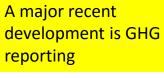


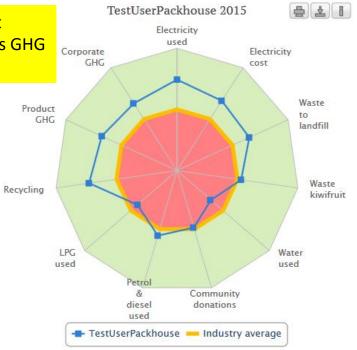
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Design & functionality similar to orchard dashboard however content differs reflecting the inherently different systems.









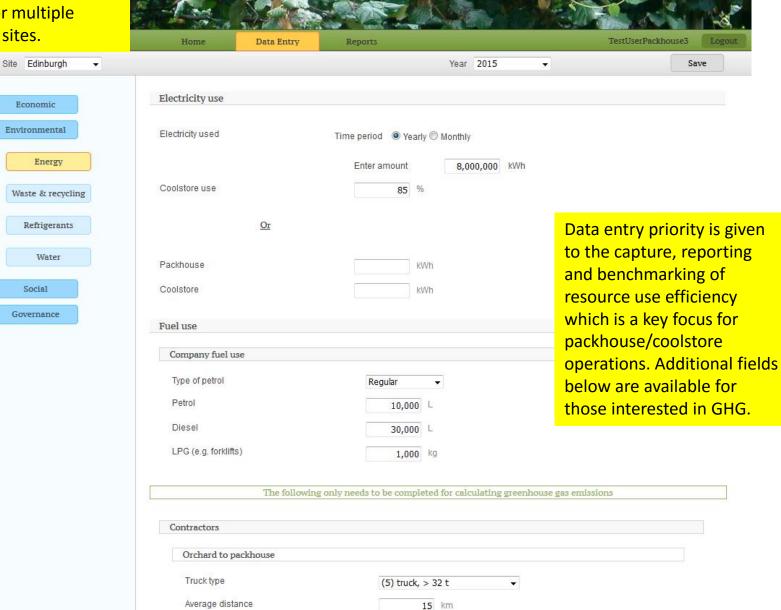








As with the orchard version, a user can enter or view data for multiple postharvest sites.

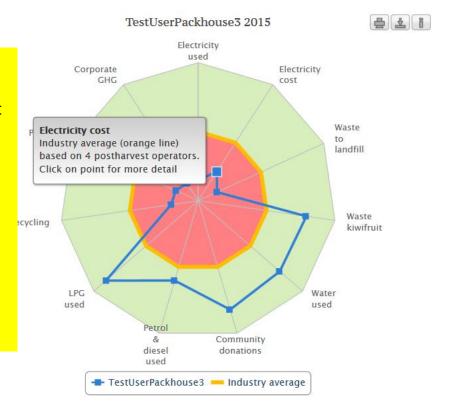




Reports

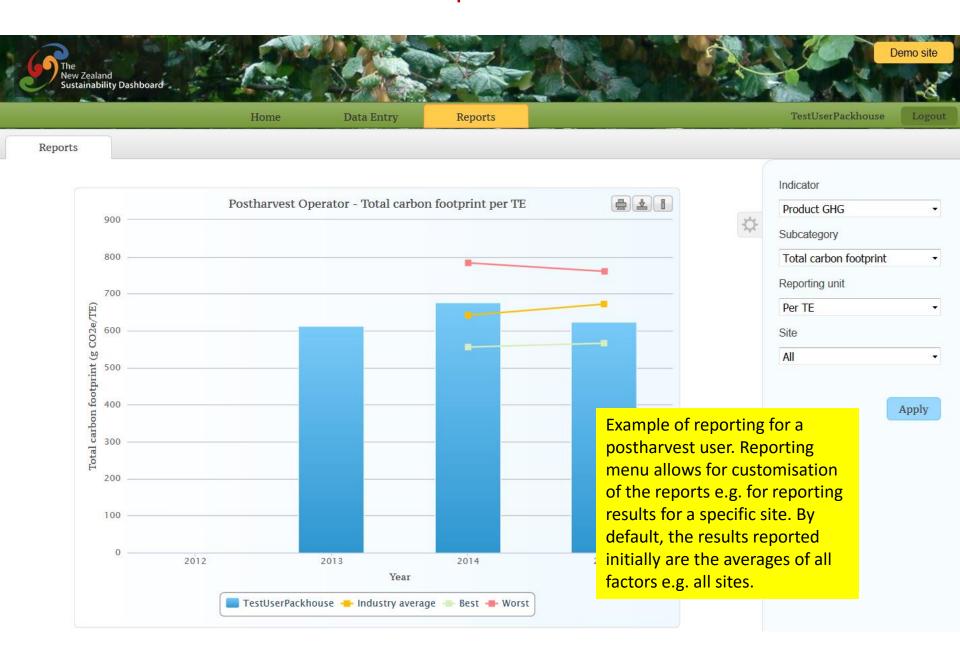
Chart interpretation

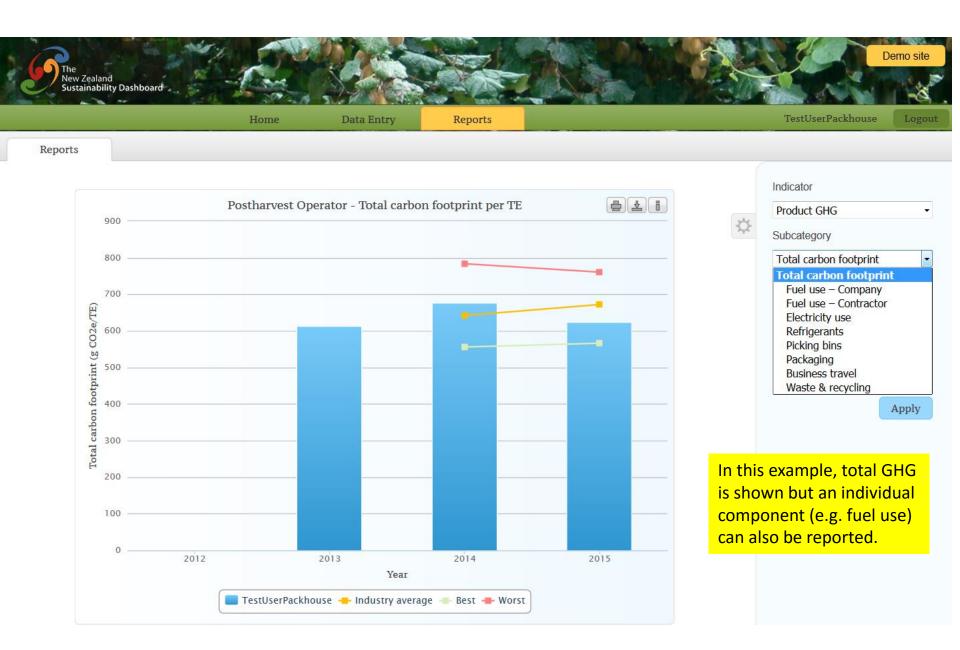
Orange line in the middle is average of all industry postharvest operations (that data has been entered for). Blue points are the average values for the sites associated with the user that is logged in. If these points are outside the orange line in the green zone then their result is better than average; vice versa if inside the orange line in the red zone



Clicking on the blue points leads to more detailed results including for individual sites (see example on next page).

Hovering over the blue points reveals additional context i.e. the number of operations that the average is based on.



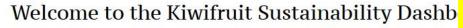


Zespri dashboard

Home page



A major difference between the Zespri dashboard and the others is there is no 'Data entry' section as reporting here is based on data provided by the orchard and postharvest dashboards which are linked.



This tool allows Zespri to generate reports on key performance indicators relating to sustainability.

Industry averages, based on data directly entered by growers and postharvest operators, are currently available for the following:

- Orchards Financial (OGR, expenses), production, environmental (spray use, soil quality, water use, soil-applied N) and social (community support)
- Postharvest Financial (electricity cost), environmental (electricity use, waste and fuel consumption) and social (community support)

To start accessing this information, click on the 'Reports' tab above.

This is a prototype, underpinned by orchard and postharvest dashboard tools currently being developed. It will be developed further over the next 2 to 3 years, during which time the design, content and functionality is expected to change significantly based on industry feedback.

The NZ Sustainability Dashboard tools are being developed as part of the <u>New Zealand Sustainability Dashboard project</u>, funded by MBIE and supported by a number of kiwifruit partners (shown below).



Zespri







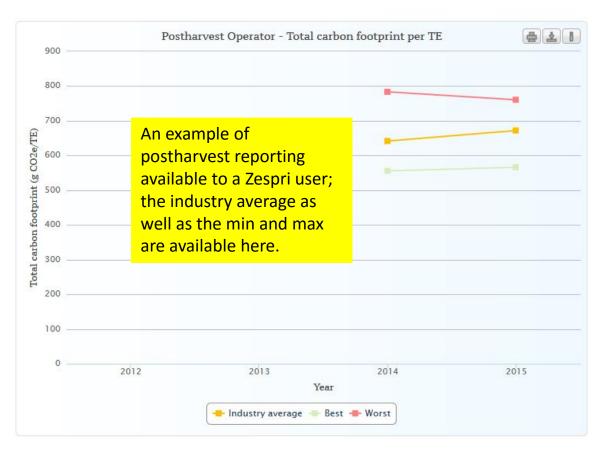












System

Postharvest

Indicator

Product GHG

Subcategory

Total carbon footprint

▼

Apply

The average, best and worse results are available only if 3 or more site results are available. These are calculated at the site level.