



# Bundaberg Fruit & Vegetable Growers

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# Horticulture in the Bundaberg Region



➤ over 30 major commodities

- fruits
- vegetables
- tree crops
- nuts
- herbs

➤ Farm gate value

> \$500 million



# Project commitments ~ 2017

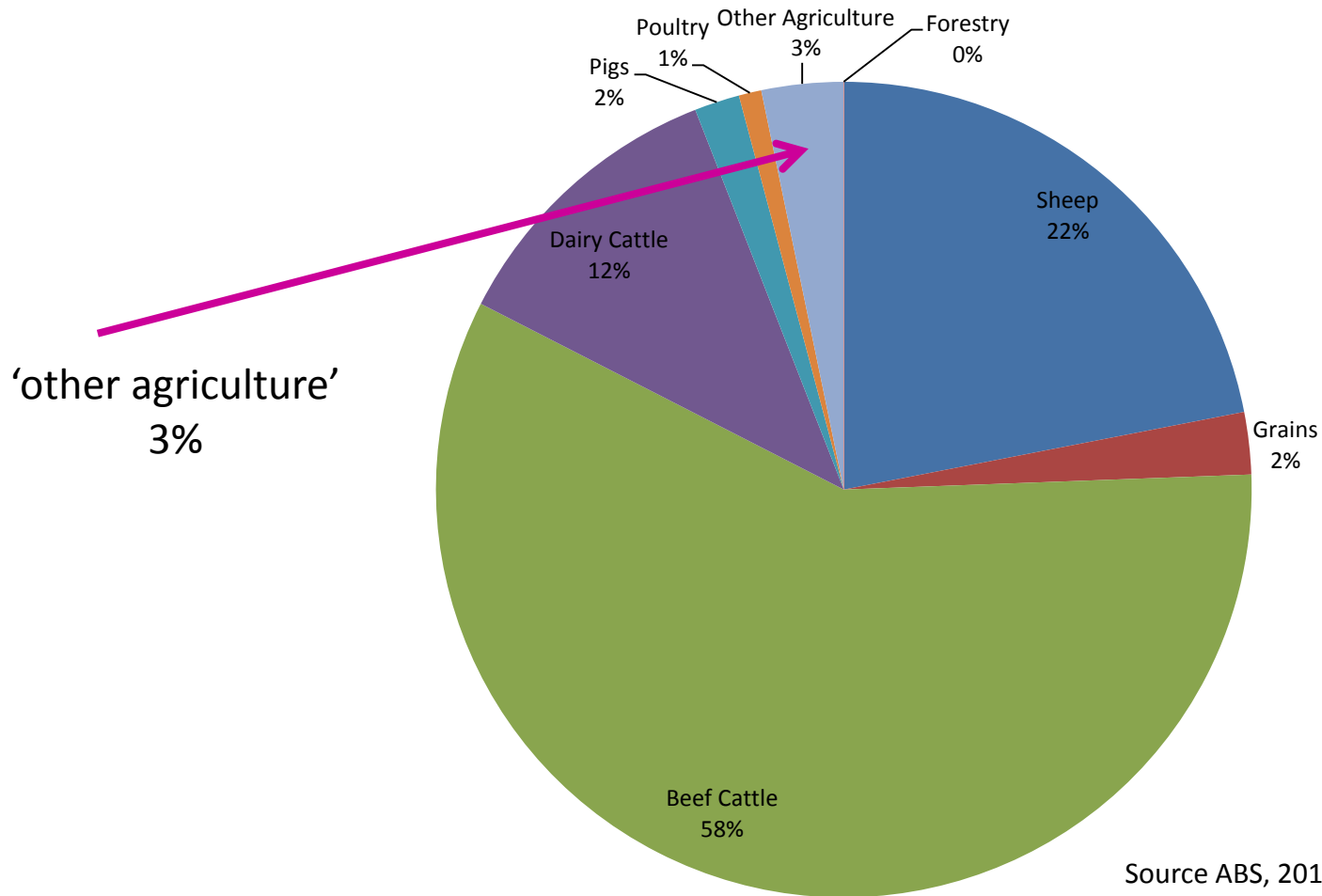
- 70 x one-on-ones with growers
- 8 x workshops / field days
- 2 x case studies
- attendance at major horticultural events each year
- extension activities (webinars, publications, social media etc.)



Bundaberg workshop 18/06/14 source B.Grima



# Agricultural emissions (Mt) by each sector, 2012





# Current methodologies that may be suitable for horticultural growers



<b>Sequestration</b>	<b>Emissions avoidance</b>
<p data-bbox="280 445 890 544"><b>Sequestering carbon in soils in grazing systems</b></p> <p data-bbox="372 558 801 601">Must be NEW activity</p> <p data-bbox="318 615 855 714">E.g. converting cropland to permanent pasture</p> <p data-bbox="340 786 832 829"><b>Environmental Plantings</b></p> <p data-bbox="255 843 917 942">Planting or seeding native species on cleared land</p> <p data-bbox="268 1015 900 1170"><i>All methodologies are subject to permanence arrangements &amp; strict guidelines</i></p>	<p data-bbox="1052 615 1522 658">Future methodologies ?</p>



# Why are horticultural growers interested in carbon?



- To provide a benchmark for individuals / industry
- Measure current and future performance against competitors
- Assist in business and production decisions
- To meet future demands

**REPORT** their level of GHG emissions to a third party

**REDUCE** the level of GHG emissions



# Current tools to assist growers understand their Carbon footprint

## Vegetable Carbon Calculator

Helps growers identify their on-farm C footprint in relation to specific commodities or crop categories. Uses emissions associated with:

- Fertiliser use
- Electricity
  - Fuel
- Waste
- Refrigerant gases
- Land use change

[www.vegiecarbontool.com](http://www.vegiecarbontool.com)

Horticulture Australia Limited  
[www.horticulture.com.au](http://www.horticulture.com.au)

## Horticulture Carbon Info

Used to estimate Greenhouse Gas (GHG) emissions from Horticulture growing operations. Assist in understanding of GHG emissions and how they may be reduced.

### Banana Carbon Info

Used to estimate GHG emissions from banana growing operations

[www.horticulture.com.au](http://www.horticulture.com.au)

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For more information on the horticultural component of *The Carbon Project* please contact me:

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*healthy soils, healthy plants, healthy profits*

