



PUBLIC DISCLOSURE STATEMENT

YALLAMUNDI FARMS PTY LTD

**PRODUCT CERTIFICATION
FY2021–22 (BASE YEAR RECALCULATION)**


Australian Government

Climate Active Public Disclosure Statement



An Australian Government Initiative



NAME OF CERTIFIED ENTITY	Yallamundi Farms Pty Ltd, ABN 49 635 480 269
REPORTING PERIOD	1 July 2021 – 30 June 2022 Arrears report
DECLARATION	<p><i>To the best of my knowledge, the information provided in this public disclosure statement is true and correct and meets the requirements of the Climate Active Carbon Neutral Standard.</i></p>  <p>Adam Birch Chief Operating Officer Date: 02/02/23</p>



Australian Government
Department of Climate Change, Energy,
the Environment and Water

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Version March 2022.

1.CERTIFICATION SUMMARY

TOTAL EMISSIONS OFFSET	1039 tCO ₂ -e
THE OFFSETS BOUGHT	100% ACCUs
RENEWABLE ELECTRICITY	N/A
TECHNICAL ASSESSMENT	31/10/2022 Dr Stephen Wiedemann Integrity Ag and Environment Next technical assessment due: FY2025
THIRD PARTY VALIDATION	Type 3 09/12/2022 Tim Grant Life Cycle Strategies Pty Ltd

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2. CARBON NEUTRAL INFORMATION

Description of certification

This carbon neutral product certification is for eggs produced and processed, including grading and packaging, by Yallamundi Farms Pty Ltd and includes all processes by third parties up to and including retailing.

Product description

Yallamundi Farm is a family-owned egg producer on the Darling Downs, Queensland. Yallamundi Farm operates both organic and pasture raised egg production (layer) systems.

Yallamundi Farm supplies eggs from a locally integrated supply chain that includes pullet rearing, feed milling, egg production and egg grading. Eggs are transported, distributed and sold at retail.

Yallamundi eggs are sold in Woolworths Supermarkets under the Macro Wholefoods Market brand, and this certification covers the full supply chain for packaged eggs up to the retail shelf.

Yallamundi Farms Pty Ltd (ABN 49 635 480 269) has now developed a carbon neutral product for the eggs produced by Yallamundi Farm.

The reference/functional unit for this certification is t CO₂-e per one dozen package ("carton") of eggs from Yallamundi Farms Pty Ltd to the retail shelf.

"At Yallamundi Farm, we're very aware of the legacy we'll leave for future generations – and that's why we're creating a new standard for sustainable egg farming."

"We value our role as caretakers of the land, and we're passionate about regenerating the land on which we tread – leaving it better than when we found it, for this lifetime and many more."

3.EMISSIONS BOUNDARY

Inside the emissions boundary

All emission sources listed in the emissions boundary are part of the carbon neutral claim.

Quantified emissions have been assessed as 'attributable processes' that become the product, make the product and carry the product through its life cycle. These have been quantified in the carbon inventory.

Non-quantified emissions have been assessed as attributable and are captured within the emissions boundary, but are not measured (quantified) in the carbon inventory. All material emissions are accounted for through an uplift factor. Further detail is available at Appendix C.

Outside the emissions boundary

Non-attributable emissions have been assessed as not attributable to a product or service. They can be **optionally included** in the emissions boundary and therefore have been offset, or they can be listed as outside of the emissions boundary (and are therefore not part of the carbon neutral claim).

This product certification implements the following emissions boundary, per **Error! Reference source not found.** below.

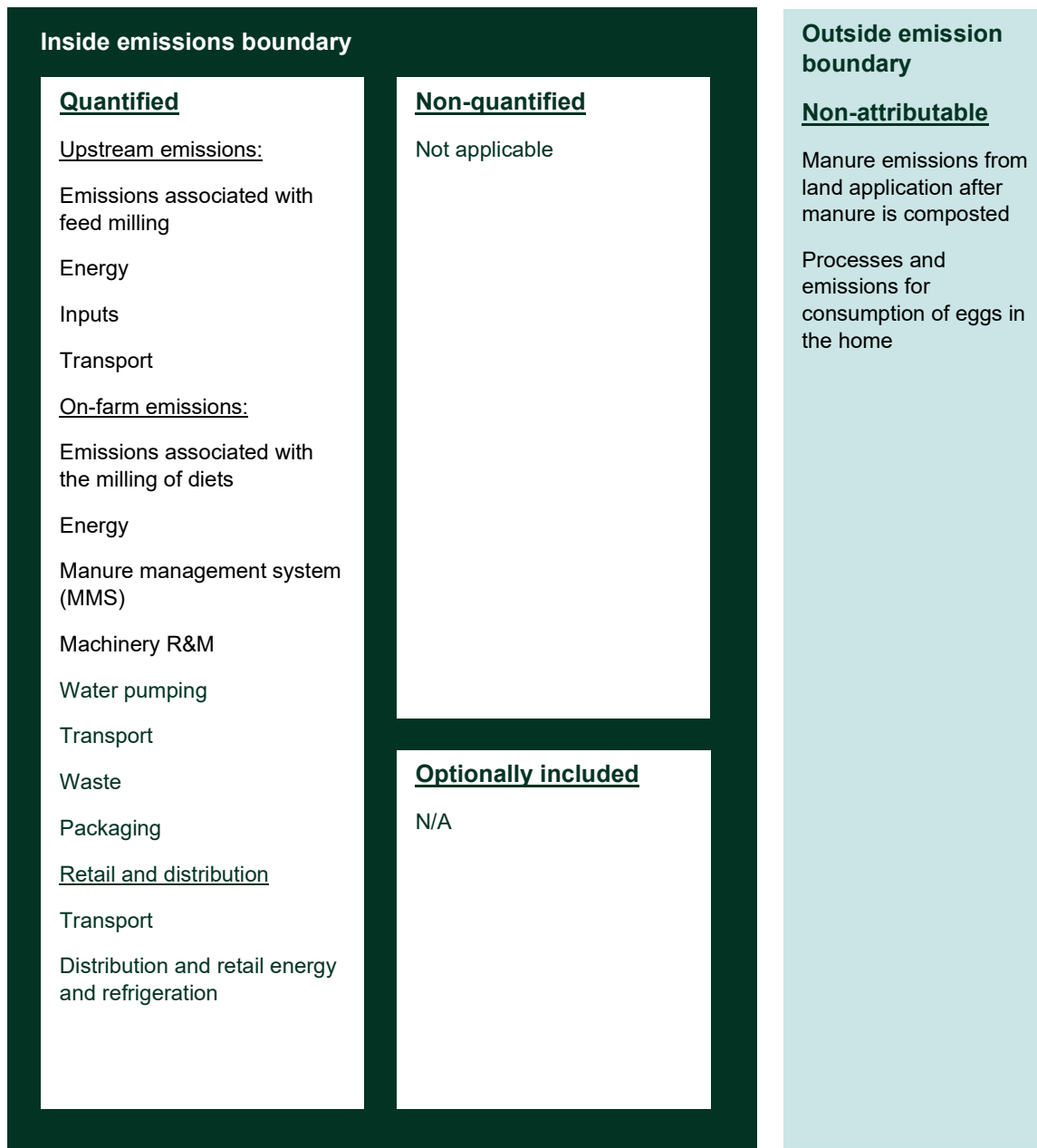
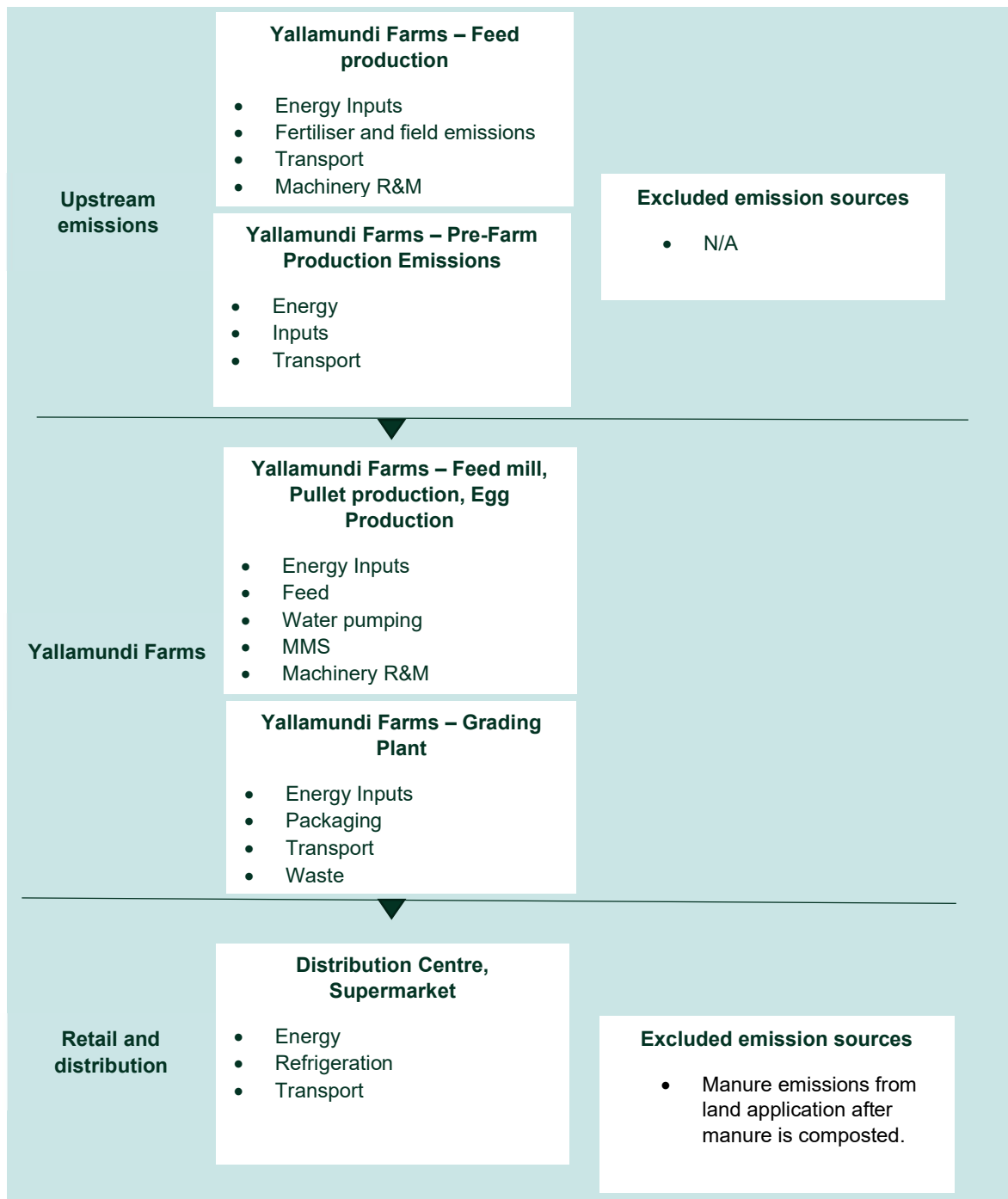


Figure 1 The certification boundary for eggs produced at Yallamundi Farms.

Product process diagram

The following diagram outlines the cradle to retail shelf system boundary and represents the production supply chain for Yallamundi Farm packaged eggs to the retail shelf, including packaging and transport.

The product is eggs from Yallamundi Farms, with the production process for this system including the following stages: pre-farm production (breeding & hatchery, feed inputs), on-farm feed milling (feed inputs to layer ration), on-farm egg production, on-farm grading (and packaging), post grading transport to the wholesale centre and downstream emissions of transport, distribution and retail. Please refer to



Excluded emission sources

- Processes and emissions for consumption of eggs in the home.

Figure 2 Climate Active Process Diagram, Yallamundi Farm.

Data management plan for non-quantified sources

There are no non-quantified sources in the emission boundary that require a data management plan.

4.EMISSIONS REDUCTIONS

Emissions reduction strategy

In egg production systems, Australian research has shown that there are three key processes and system attributes that impact emissions. These are feed production and use, energy use (on-farm and for grading) and emissions from the manure management system (MMS). Of these, analysis of the carbon inventory (account) for the Yallamundi Farm supply chain confirmed that feed production and the manure management system (MMS) were significant emissions hotspots.

As part of Yallamundi Farm's commitment to mitigating emissions, a five-year reduction strategy has been developed that will be implemented from 2022 onwards.

The strategy will include:

- Investigating lower emission feed inputs to reduce environmental impacts from the diet.
- Improve on-farm productivity via improved feed conversion to reduce feed requirements and manure emissions.
- Reducing energy use and increasing the use of renewable energy.
- Storing carbon in vegetation via tree planting to reduce net emissions, pending release of the Climate Active tree planting inseting guideline.

As FY22 is the first year with the expanded emission boundary, various emission reduction strategies are still being assessed for their feasibility and effectiveness. The results of these scoping studies and feasibility assessments will inform the quantified and time-bound emission reduction target and achievement date, which will be contained in the FY23 PDS.

Emissions reduction actions

Emission intensity was found to be similar to the baseline and true-up reports and total emissions increased in line with expanded sales volumes and improvements in data management. As the facility is expanding production volumes, this trend in total emissions may continue to increase, but actions to reduce the emission intensity will be pursued to lower emissions relative to product output.

Emission reduction strategies implemented in this reporting period:

- Implementing a centralised recording system to trace diesel and petrol use specific for egg production purposes.
- Increasing the use of renewable energy with solar panels installed at the farm bore, Yallamundi Farms main water source.

5.EMISSIONS SUMMARY

Significant changes in emissions

In FY20, Yallamundi Farm was in the start-up phase with increased business growth over the coming two years of reporting. In FY22 small changes were observed in the emissions summary reflective of the final stages of start-up and improved data management. There were significant increases in emissions from larger volumes of sales.

The system boundary was expanded in FY22 to include product distribution to retail shelf. This resulted in higher emissions. Distribution and retail operations represented 20.4% of the carbon footprint.

Emission source	Current year (tCO ₂ -e)	Previous year (tCO ₂ -e)	Detailed reason for change
Total emissions	1038.74	336.10	Expanded production and extended system boundary: distribution to retail shelf is now included

Use of Climate Active carbon neutral products and services

There were no carbon neutral products used for this certification.

Product emissions summary

Emissions reported over a full 12-month period are reported below.

Stage	tCO ₂ -e
All life cycle stages, upstream emissions, production, transport, distribution, and retail	1038.74
Net emissions	1038.74

Emissions intensity per functional unit	Confidential
Number of functional units to be offset	Confidential
Total emissions to be offset	1038.74

6. CARBON OFFSETS

Offsets retirement approach

Offset purchasing strategy: In arrears

1. Total number of eligible offsets banked from last year's report	665
2. Total emissions footprint to offset for this report (tCO ₂ -e)	1,039
3. Total eligible offsets required for this report	374
4. Total eligible offsets purchased and retired for this report	501
5. Total eligible offsets banked to use toward next year's report	127

Co-benefits

The project types stated here relate to 100 per cent of the total amount of offsets required for this report. The activities of the human-induced regeneration of a permanent, even-aged native forest aims to improve the quality of land and water supply, increased biodiversity, and shade and shelter for stock. The Bareeda Regeneration Project establishes permanent native forests through assisted regeneration from in-situ seed sources on land that was cleared of vegetation and where growth was suppressed for at least 10 years prior.

Eligible offsets retirement summary

Table 1 Proof of cancellation of offset units

Offsets cancelled for Climate Active Carbon Neutral Certification											
Project description	Type of offset units	Registry	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Stapled quantity	Eligible quantity (tCO ₂ -e)	Eligible quantity used for previous reporting periods	Eligible quantity banked for future reporting periods	Eligible quantity used for this reporting period	Percentage of total (%)
Boobera Carbon project	ACCU	ANREU	11.02.2021	3,792,968,753 - 3,792,969,753	2019-2020	-	1001	336	0	665	64%
Bareeda Regeneration Project	ACCU	ANREU	17.11.2022	8,337,061,125 – 8,337,061,625	2020-21	-	501	0	127	374	36%
Total offsets retired this report and used in this report										1,039	
Total offsets retired this report and banked for future reports									127		

Type of offset units	Quantity (used for this reporting period claim)	Percentage of total
Australian Carbon Credit Units (ACCU)	1,039	100%

7. RENEWABLE ENERGY CERTIFICATE (REC) SUMMARY

Renewable Energy Certificate (REC) Summary

N/A

APPENDIX A: ADDITIONAL INFORMATION

N/A

APPENDIX B: ELECTRICITY SUMMARY

N/A

APPENDIX C: INSIDE EMISSIONS BOUNDARY

Non-quantified emission sources

Table 2 Non-quantification test

Relevant-non-quantified emission sources	(1) Immaterial	(2) Cost effective (but uplift applied)	(3) Data unavailable (but uplift applied & data plan in place)	(4) Maintenance
Not applicable	n/a	n/a	n/a	n/a

Excluded emissions sources

Table 3 Excluded emissions

	No actual data	No projected data	Immaterial
Not applicable	n/a	n/a	n/a

APPENDIX D: OUTSIDE EMISSION BOUNDARY

Non-attributable emissions have been assessed as not attributable to a product (do not carry, make or become the product) and are therefore not part of the carbon neutral claim. To be deemed attributable, an emission must meet two of the five relevance criteria. Emissions which only meet one condition of the relevance test can be assessed as non-attributable and therefore are outside the carbon neutral claim. Non-attributable emissions are detailed below.

1. **Size** The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions
2. **Influence** The responsible entity has the potential to influence the reduction of emissions from a particular source.
3. **Risk** The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.
4. **Stakeholders** Key stakeholders deem the emissions from a particular source are relevant.
5. **Outsourcing** The emissions are from outsourced activities previously undertaken within the organisation's boundary, or from outsourced activities typically undertaken within the boundary for comparable organisations.

Emission sources tested for relevance	(1) Size	(2) Influence	(3) Risk	(4) Stakeholders	(5) Outsourcing
Manure emissions from land application after manure is composted	No	No	No	No	No
Processes and emissions for consumption of eggs in the home	No	No	No	No	No



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