



# PUBLIC DISCLOSURE STATEMENT

JOE BENDOTTI & CO  
PRODUCT CERTIFICATION  
FY2021-22 (PROJECTED)

Australian Government

# Climate Active

## Public Disclosure Statement



NAME OF CERTIFIED ENTITY: Joe Bendotti &amp; Co - Trading as Bendotti Avocado

REPORTING PERIOD: 1 July 2021 – 30 June 2022 (projected)

**Declaration**

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.

Signature

Date 27-09-2021

Name of Signatory

Trevor Bendotti

Position of Signatory

Manager

**Australian Government**


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**Department of Industry, Science,  
Energy and Resources**

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## 1. CARBON NEUTRAL INFORMATION

### Description of certification

This Public Disclosure Statement provides details of the carbon neutral product certification for Joe Bendotti & Co trading as Bendotti Avocado (ABN 13 571 989 872) avocados produced, packed and distributed from the farm until point of retail within the financial year (1 July 2021 – 30 June 2022). This includes the Scope 1, 2 and 3 emissions associated with the life cycle of the avocado fruit, including the upstream emissions, organisation emissions, and downstream emissions until point of retail.

The carbon inventory for this first year of certification has been forecasted for FY22 using a combination of prior year actual data and some forecasted estimates, as well as forecasted production and distribution volumes. A true-up calculation will be performed at the end of FY22, with additional offsets to be purchased and retired should actual emissions exceed forecasted emissions.

The functional unit for this certification is one kilogram (kg) of Joe Bendotti & Co avocados produced, packed, and distributed until point of retail for the period 1 July 2021 – 30 June 2022 (FY22). The functional unit has been used to determine the emissions per functional unit i.e. the CO2-e emissions intensity of one kg of avocados produced, packed, and distributed from the farm to the retailer.

The emissions boundary has been established until point of retail due to the data gap that exists relating to the volumes of avocado waste and method of disposal by retailers and the consumer. We will continue to investigate opportunities to capture representative data and seek to broaden the boundary to include end of life consumption and disposal in the future.

### The Eco Avo

Our certified product will be sold & marketed under the EcoAvo Brand. The EcoAvo trademark is to ensure all produce sold using this brand is Carbon Neutral certified. All emissions relating to the packaging process of EcoAvo has been captured and included within the Joe Bendotti & CO Emission scope.

*“Being a family owned & operated business, it is embedded in our core values to strive for a more environmentally sustainable future, not only for ourselves but for our children and future generations to come. As temporary custodians of our planet we owe it to future generations to leave it in a better state than how it was passed to us. Our Climate Active certification demonstrates our commitment and contribution towards positive change.”*

## Organisation Description

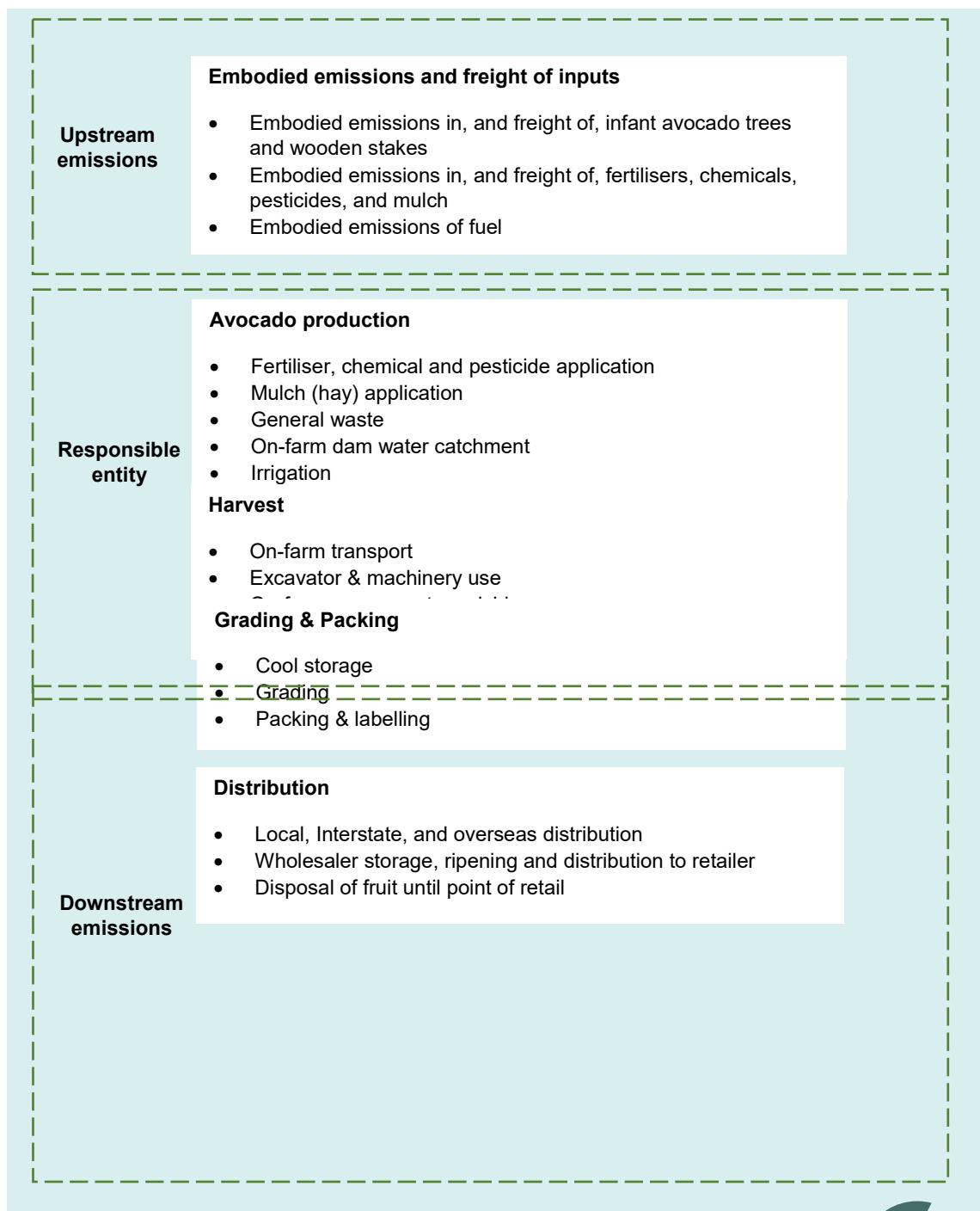
Joe Bendotti & Co is a family owned & Operated partnership consisting of three members: Joseph Bendotti, the founder of the partnership, and his two sons, Shane & Trevor Bendotti. Our family-owned property has four generations of farming which started back in the 1920's with potatoes. Our first orchards were planted in 1999 by Joe Bendotti bringing 20 years' experience in the commodity. The business continues to be operated by both sons Shane and Trevor Bendotti.

Our family run avocado property consists of our own 100 hectares of orchard of which 50 hectares are in full production, the remainder between the ages of 1-5 years old, as well as a packaging/marketing business on behalf of more than 30 growers in the south west area of Pemberton/Manjimup.

## Product/service process diagram

The following diagram provides an overview of the life cycle of Joe Bendotti & Co's avocado product, including upstream emissions generated from the production and transport of inputs, organizational emissions from onsite production processes, and downstream emissions from distribution, storage and disposal until point of retail.

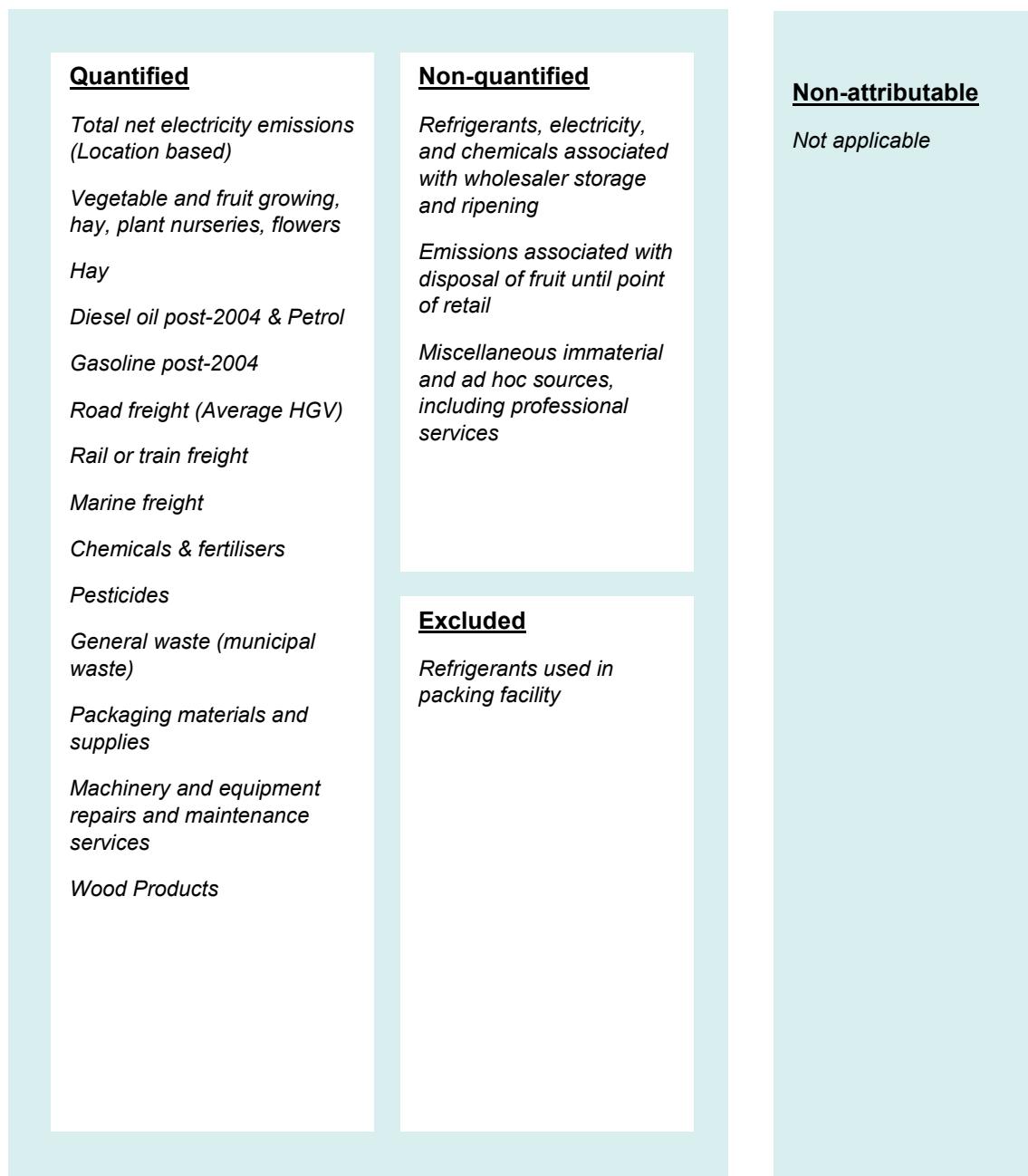
The below Diagram describes a Cradle to point of retail certification period. Cradle to grave certification was not used due to the data gap that exists relating to the volumes of avocado waste and method of disposal by retailers and the consumer.



## 2. EMISSION BOUNDARY

### Diagram of the certification boundary

The following diagram shows the certification boundary of avocado products and the emission sources considered.



## Attributable non-quantified sources

Joe Bendotti & Co have applied uplift factors to the following attributable non-quantified emission sources:

- **Downstream storage, ripening and retail of avocados:** We are unable to obtain accurate data relating to the cool storage and ripening of Joe Bendotti & Co fruit at the downstream distribution center. Given Joe Bendotti & Co fruit is only stored in the distribution center (which also stores other growers' fruit) for approximately five days before being distributed to retail stores, the emissions associated with the electricity, ethylene gas (used for ripening) and refrigerants (for cooling) is likely to be immaterial. However, Joe Bendotti & Co have taken a conservative approach and applied a 1% uplift factor to account for the non-quantified emissions.
- **Miscellaneous sources:** To account for immaterial emission sources such as professional services, and sources where there is a data gap, such as waste of avocados up until point of retail, we have applied a 5% uplift factor to the inventory.

*"Being a family owned & operated business, it is embedded in our core values to strive for a more environmentally sustainable future, not only for ourselves but for our children and future generations to come. As temporary custodians of our planet we owe it to future generations to leave it in a better state than how it was passed to us. Our Climate Active certification demonstrates our commitment and contribution towards positive change."*

## Data management plan

**Downstream storage, ripening and retail of avocados:** Activity data associated with the downstream storage and ripening at the distribution center is difficult to obtain. The attributable portion of the emissions from the distribution center is not available due to the lack of specific data, the ratio of Joe Bendotti & Co fruit compared to total fruit in the distribution center not being constant, and the time period the fruit is in the distribution center being dependent on retailers' needs. Given the challenge to obtain specific data, the use of an uplift factor will be maintained to account for the emissions associated with the storage and ripening at the downstream distribution centers.

**Disposal of fruit until point of retail:** Specific data relating to the volumes of fruit waste and the disposal methods from farm until point of retail is not available. Given this cannot be obtained, Joe Bendotti & Co will continue to apply an uplift factor to account for disposal by retailer.

## Excluded sources (within certification boundary)

**Refrigerants used in the packing facility:** Refrigerants in the cooling shed have been excluded on the basis that the refrigerant has not been required to be topped up since the equipment was installed approximately 13 years ago. Joe Bendotti and Co will engage a technician to check refrigerant levels within the FY22 and any change in this source will be included as part of the true-up at the end of the year.

**Onsite Dam water catchment:** Water is captured from rainfall surface runoff from pastured paddocks, into large catchment reservoirs (dams). While water usage is attributable to the production process, given this is captured onsite, there are no upstream (scope 3) emissions and therefore water emissions are nil. Note, the electricity used for irrigation has been captured within the electricity data.

**Organic waste:** Organic waste from harvest is mulched onsite and used in the mid row in the orchard and therefore emissions associated with offsite waste treatment are considered nil. Emissions associated with the use of the machinery has been captured in the diesel and petrol data and included in the inventory.

## Non attributable sources (outside certification boundary)

Not applicable.

### 3. EMISSIONS SUMMARY

#### Emissions reduction strategy

Our commitment to reduce our carbon footprint and become a more sustainable business will be best demonstrated by our actions over the next 5 to 10 years. Our aim is to reduce the carbon footprint of our avocado products per functional unit year on year through Scope 1, 2 and 3 emissions reductions.

We are committed to taking industry leading steps in horticulture to be a leading example in an industry that is typically not well recognized for its environmental awareness and strive to inspire a movement that our future generations can be proud of.

To achieve emissions reductions overtime, we will implement strategies over the immediate (now – 5 years) and long term (5 – 10 years).

We understand the challenges ahead of us and know that thorough planning will be required to achieve ongoing emissions reduction.

##### Immediate Term Strategy

1. Consider the adoption of world leading water saving technology (developed in Israel) to monitor trees directly to apply the exact amount of water the tree requires based on environmental and phenological conditions. This will reduce pumping volumes of water and thus reduce our electricity consumptions.
2. Continue to use regenerative techniques, including, cover cropping & multispecies midrow pastures, to develop a healthy soil by stimulating good microbial culture, as well as reducing our fertilizer and chemical consumption. We will also explore the available mechanisms under which we can sequester carbon through soil carbon projects.
3. Source our electricity from renewable energy providers.
4. Optimize work schedules and programs to throughout the growing season.
5. Be proactive in waste recycling and segregation.
6. Consider switching our packaging materials to entirely recyclable materials
7. Be proactive in sourcing as many of our consumables from Climate Active carbon neutral certified sources.

##### Long Term Strategy

1. Uplifting current solar panel amount from 40kw to 250kw system
2. Implementing battery storage to totally optimize solar energy generation across all sites.
3. Investigate opportunities to produce our own biodiesel using onsite crops.
4. Investigate opportunities to utilize the biodiesel crops to produce mulch (hay) for trees

## Functional units

The functional unit for this certification is one kilogram (kg) of avocados produced, packed, and distributed from Joe Bendotti & Co within FY22.

**Table 2**

	Number of functional units
a) <i>Number of functional units sold this period (forecasted)</i> <b>Avocados</b>	1,256,000 kg
b) <i>Number of functional units to be forward offset demonstrating commitment to carbon neutrality (true-up to be conducted at the end of the reporting period)</i> <b>Avocados</b>	1,256,000 kg

## Emissions summary (inventory)

**Table 3**

Emission source category	tonnes CO <sub>2</sub> e
Total net electricity emissions (Location based)	145.39
Hay	48.65
Chemicals & fertilisers	33.64
Pesticide	11.21
Vegetable and fruit growing, hay, plant nurseries, flowers	10.12
Diesel oil post-2004	178.98
Petrol / Gasoline post-2004	14.59
Wood Products	0.62
Machinery and equipment repairs and maintenance services	7.67
Road freight	72.36
Rail or train freight	120.81
Marine freight (\$)	36.46
Road freight (\$)	68.64
Packaging materials and supplies	18.36
General waste (municipal waste)	8.64

1. <i>Total inventory emissions</i>	776.14
2. <i>Emissions per functional unit (based on the number of functional units represented by the inventory)</i> <i>Total tCO2-e divided by the number of functional units in table 1.</i>	0.00061 t CO <sub>2</sub> -e (0.6180 kg CO <sub>2</sub> -e)
3. <i>Carbon footprint</i> <i>(Emissions per functional unit (2)* number of functional units (a or b from table 2))</i>	776.14 t CO <sub>2</sub> -e

## Uplift factors

Table 4

Reason for uplift factor	tonnes CO <sub>2</sub> -e
Downstream storage, ripening and retail of avocados (1%)	7.76
Miscellaneous sources (5%)	38.81
<i>Total uplift factors</i>	46.57
<b><i>Total to offset (Carbon footprint + total uplift factors)</i></b>	<b>823 t CO<sub>2</sub>-e</b>

## Carbon neutral products

There were no carbon neutral products used for this certification.

## 4. CARBON OFFSETS

### Offset purchasing strategy: Forward purchasing

Joe Bendotti & Co has forward purchased offsets for the first year of certification (FY22) using previous year actual data and forecasted production and distribution volumes of avocados. Joe Bendotti & Co has purchased, and retired carbon offsets based on the forecasted emissions outlined above in Section 3. A true-up calculation will be conducted at the end of the year and additional carbon offsets will be purchased should actual emissions exceed forecasted emissions. Where the forecasted emissions exceed actual emissions, then any surplus credits will be carried over to the next reporting period. The following table and summary include further information regarding offsets acquired and used.

**Table 5**

Forward purchasing summary	
1. Total offsets previously forward purchased for this reporting period	0 (First year certification)
2. Total offsets required for this reporting period	823
3. Net offset balance for this reporting period	823
4. Total offsets to be forward purchased for next reporting period	7
5. Total offsets required for this report	830

## Offsets summary

Table 6

1. Total offsets required for this report				823						
2. Offsets retired in previous reports and used in this report				0						
3. Net offsets required for this report				823						
Project description	Type of offset units	Registration	Date retired	Serial number (and hyperlink to registry transaction record)	Vintage	Quantity (tonnes CO2-e)	Quantity used in previous report	Quantity banked for future years	Quantity used in this report	
Hebei Yuxian Second Phase 49.5MW Wind Power Project China	VCU	VERRA	26/10/2021	8097-455242849-455243678-VCU-034-APX-CN-1-814-01012016-31122016-0	<a href="https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&amp;h=149596">https://registry.verra.org/myModule/rpt/myrpt.asp?r=206&amp;h=149596</a>	2016	830	0	7	823
				Total offsets retired this report and used in this report		823				
				Total offsets retired this report and banked for future reports		7				

## 5. USE OF TRADE MARK

**Table 7**

Description where trademark used	Logo type
Public Disclosure Statement (PDS)	Certified carbon neutral product
	Certified carbon neutral product
Product packaging	Eco Avo – tray Good for you and good for our future. – slogan
	ecoavo.com.au
	eco-avo.com.au
Joe Bendotti & Co website and marketing	carbonneutralavocados.com.au

## 6. ADDITIONAL INFORMATION

Not applicable for this certification

## APPENDIX 1

### Non-attributable emissions for products and services

To be deemed attributable an emission must meet two of the five relevance criteria. Non-attributable emissions are detailed below against each of the five criteria. Joe Bendotti & Co do not have any non-attributable emissions and therefore the below table is not applicable.

**Table 8**

<b>Relevance test</b>					
Non-attributable emission	<i>The emissions from a particular source are likely to be large relative to the organisation's electricity, stationary energy and fuel emissions</i>	<i>The emissions from a particular source contribute to the organisation's greenhouse gas risk exposure.</i>	<i>Key stakeholders deem the emissions from a particular source are relevant.</i>	<i>The responsible entity has the potential to influence the reduction of emissions from a particular source.</i>	<i>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.</i>
<b>Not applicable</b>	N/A	N/A	N/A	N/A	N/A

## APPENDIX 2

### Non-quantified emissions for products/services

Please advise which of the reasons applies to each of your non-quantified emissions. You may add rows if required.

**Table 9**

<b>Non-quantification test</b>				
Relevant-non-quantified emission sources	<i>Immaterial &lt;1% for individual items and no more than 5% collectively</i>	<i>Quantification is not cost effective relative to the size of the emission but uplift applied.</i>	<i>Data unavailable but uplift applied. A data management plan must be put in place to provide data within 5 years.</i>	<i>Initial emissions non-quantified but repairs and replacements quantified</i>
Downstream storage, ripening and retail of avocados	Yes	Yes	Yes	No
Miscellaneous sources such as professional services and avocado disposal until point of retail	No	Yes	Yes	No