



Australian Beef
Sustainability
Framework

Annual Update Indicator Summary 2023



Highlights



Working with industry and government departments, we have ensured **strong barriers** are maintained at biosecurity borders.



The A-UK FTA entered into force, delivering **significant increase in tariff-free beef** access to a key market.



In 2020, the Australian beef industry has **reduced its net CO₂e emissions by 64.1%** since 2005.



Provision of support to Indonesia for management of Foot and Mouth Disease (FMD), including **\$5.9 million** for vaccinations, in addition to extensive industry contribution.

Challenges



Australia was subjected to fires, floods, and areas of drought, requiring urgent changes in grazing schedules and creating challenges for rebuilding.



Record high prices for cattle as the herd continued to rebuild proved a challenge for processors, leading to lower than average throughput and reduced efficiency.



43.7% of grazing land is being actively managed for biodiversity, including weed and pest management, prescribed burning, revegetation, soil remedy works, and fencing riparian areas.



The total mortality rate of cattle exported on sea voyages has more than halved in two years, reaching a **record low of 0.05%** in 2022.



Carbon sequestered in vegetation on red meat properties reached its highest recorded amount since 2015, **sequestering 28.42 Mt CO₂e.**



400 litres of water is used per kilogram of liveweight gain, down **18%** over the most recent five years, and **73%** lower than 1985.



With unemployment at historical lows of **3.5%**, sourcing labour in the agricultural sector - specifically processors - has been difficult.



Energy prices are expected to increase by **20-30%** in 2023 putting considerable strain on the red meat supply chain, especially the processing sector.



The discontinuation of the ABS agricultural census will reduce visibility of data, impacting transparency, trust, and decision making.

About the ABSF

Australian Beef Sustainability Framework

The Australian Beef Sustainability Framework (ABSF) reduces risks and leverages opportunities by managing what is most important to stakeholders, as identified in the materiality assessment undertaken in 2020. It shows our intent to be accountable and to accurately tell the Australian beef story.

It aims to:

- » Promote industry transparency and progress to customers and the community
- » Inform industry investment for continuous improvement in areas most important to our industry and stakeholders
- » Help protect and grow access to financial capital
- » Foster constructive relationships with external stakeholders to work collaboratively with the industry.

The ABSF does not:

- » Establish or endorse measurement systems at an individual business level
- » Provide an accreditation or certification system
- » Endorse prescriptive management practices
- » Create additional work for individual businesses.

Sustainability

Sustainability is the production of beef in a manner that is socially, environmentally, and economically responsible. We do this through the care of natural resources, people and the community, the health and welfare of animals, and the drive for continuous improvement.

Vision

A thriving Australian beef industry that strives to continuously improve the wellbeing of people, animals and the environment.

For further information regarding the data sources, explanations, and updates of industry activities, please refer to the Australian Beef Sustainability Framework 2023 Annual Update - available at:

www.sustainableaustralianbeef.com.au

ABSF 2023 Report Card

Each indicator's historical data has been analysed to determine if it is significantly trending between the first available data point and the most recently available data. A 75% confidence interval has been applied to determine if there is an improvement or decline, or if the data has remained steady. Each indicator has a data source, and more information on the source can be found on the back cover.

● = Improvement, or maximum limit reached

● = Decline

● = Steady

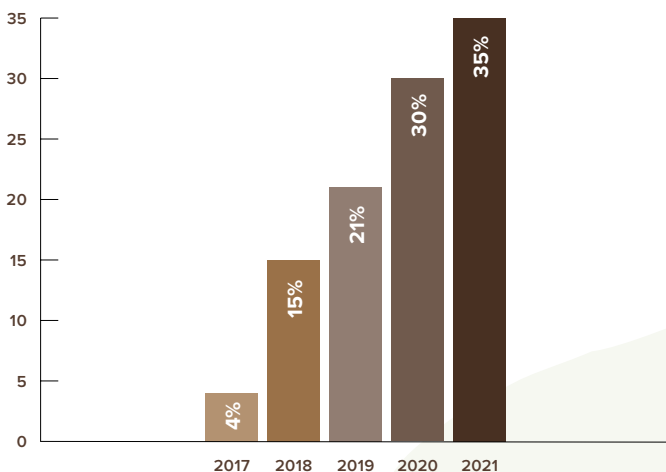
N/A = Data is unable to be trended, or is a new indicator

Best Animal Care

Animal Husbandry

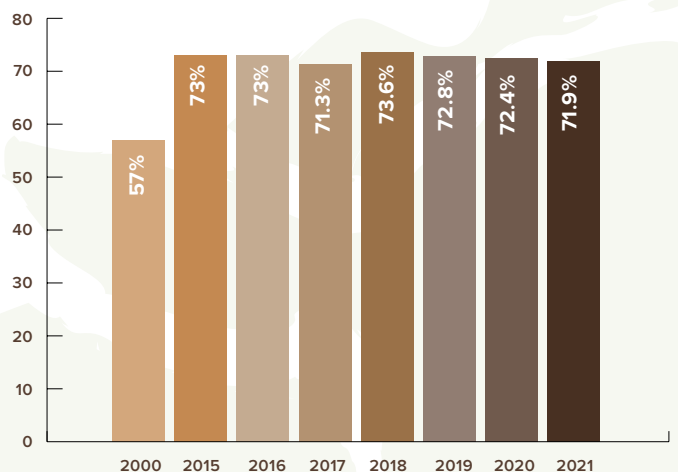
1.1 Percentage of industry using pain relief for invasive husbandry practices

TREND ●



1.2 Percentage of polled calves born in seedstock herds

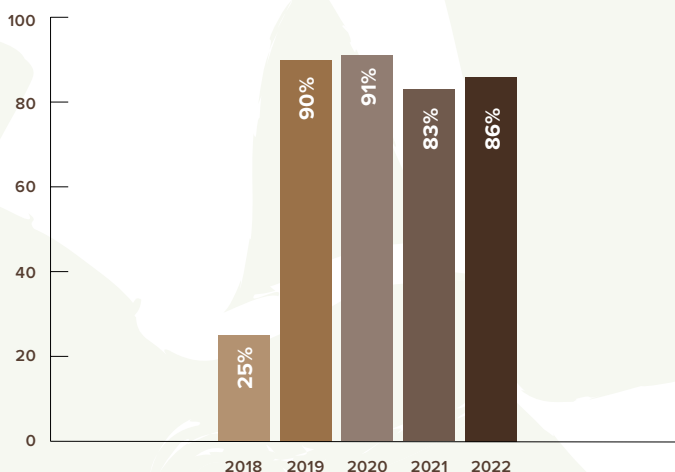
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Biosecurity

2.1 Percentage of cattle properties covered by a documented biosecurity plan

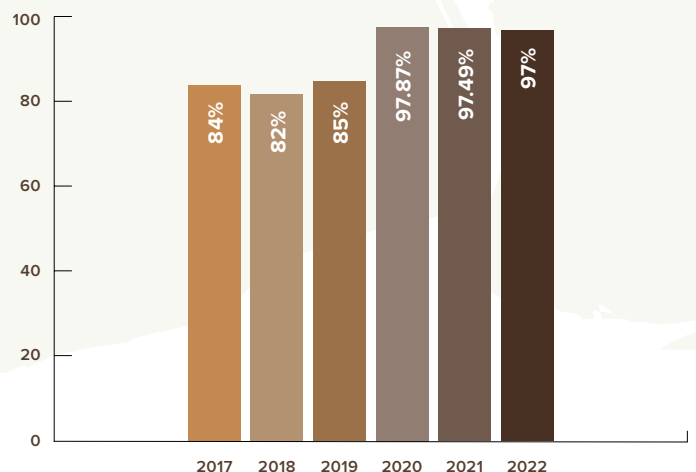
TREND ●



Processing Practices

3.1 Percentage of cattle processed through an establishment accredited under the Australian Livestock Processing Industry Animal Welfare Certification System (AAWCS)

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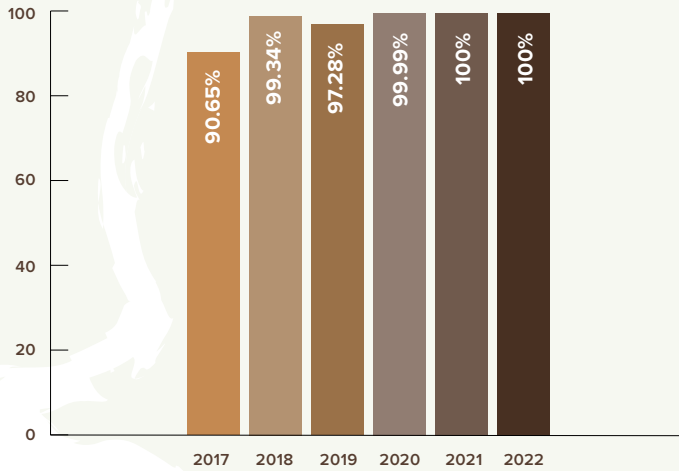




Processing Practices

3.2 Percentage of cattle processed in compliance with the Exporter Supply Chain Assurance System (ESCAS)

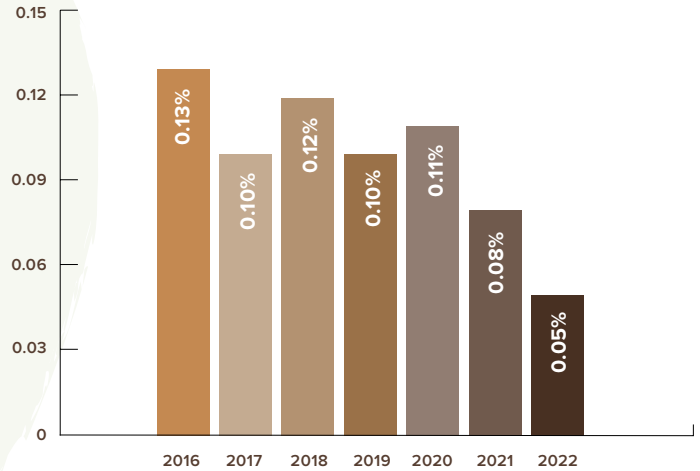
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Livestock Transport

4.1 The total mortality rate of cattle exported on sea voyages

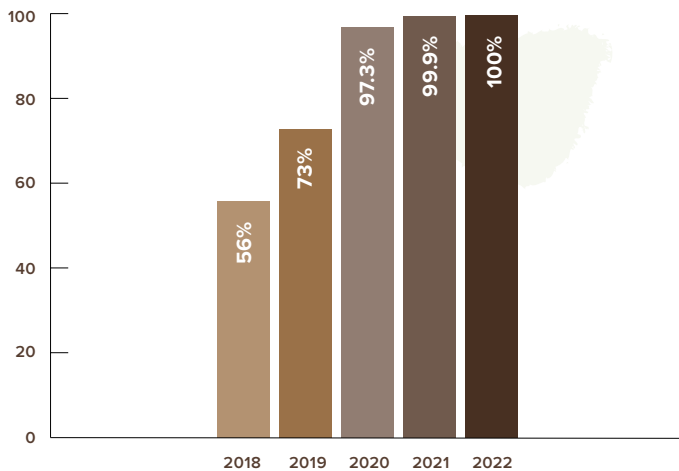
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Health & Welfare

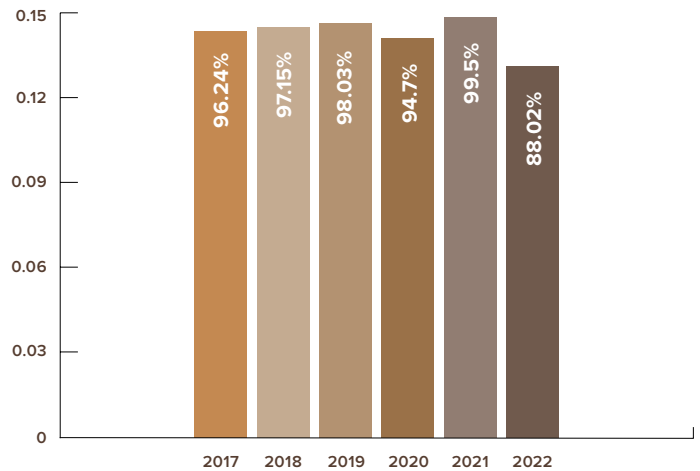
5.1 Percentage producer awareness of the Australian Animal Welfare Standards for Cattle

TREND ●



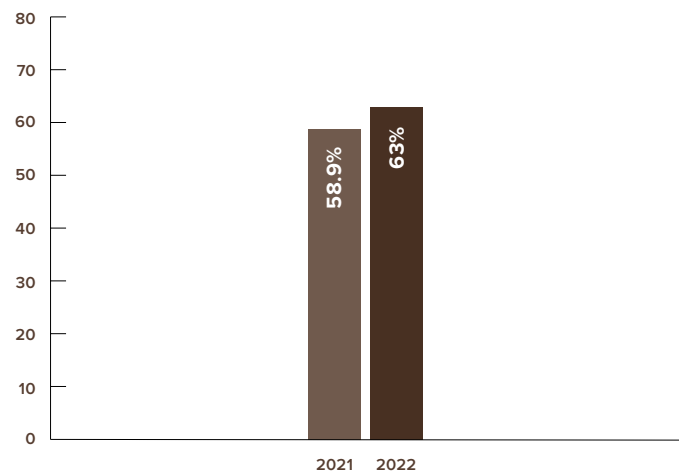
5.2 Percentage compliance with National Feedlot Accreditation Scheme (NFAS) Animal Welfare requirements

TREND ●



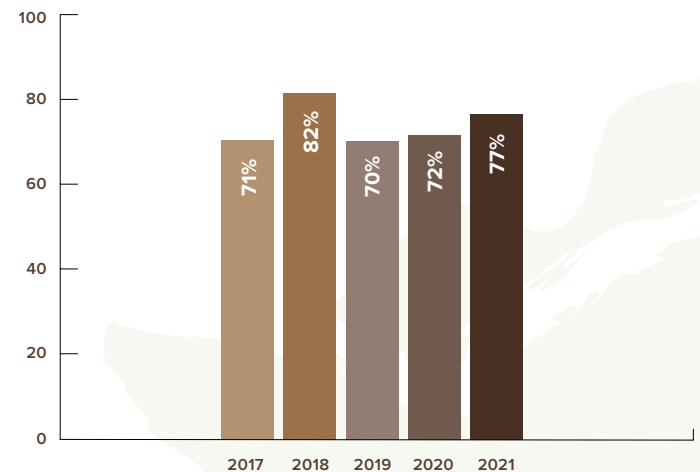
5.3 Percentage of feedlot capacity with access to shade

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5.4 Vaccination rates for clostridial diseases

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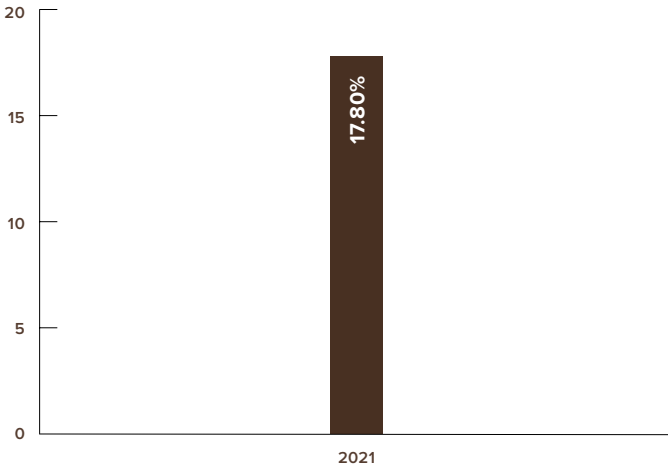




Health & Welfare

5.5 Percentage of producers undertaking low stress stock handling

TREND N/A



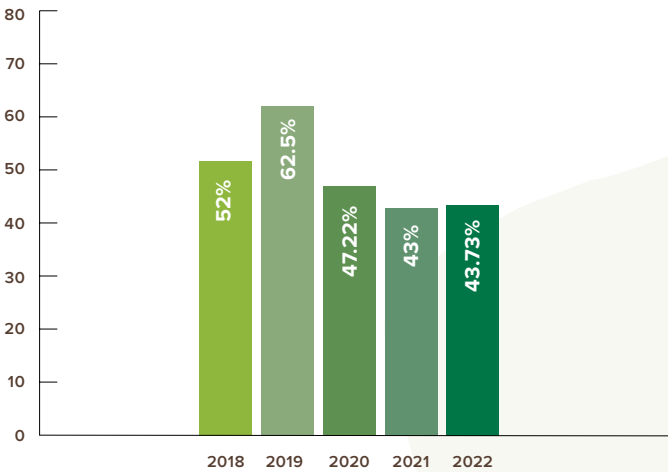
Environmental Stewardship



Biodiversity

6.1 Percentage cattle-producing land managed for biodiversity outcomes through active management

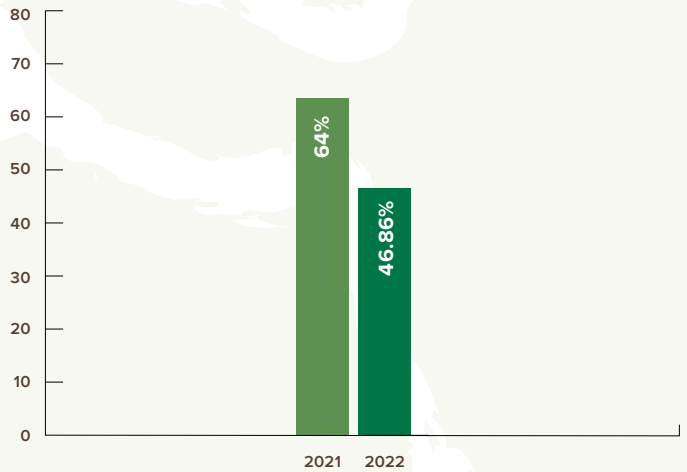
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Soil Health

7.1 Percentage of cattle producers adopting practices to improve soil water retention

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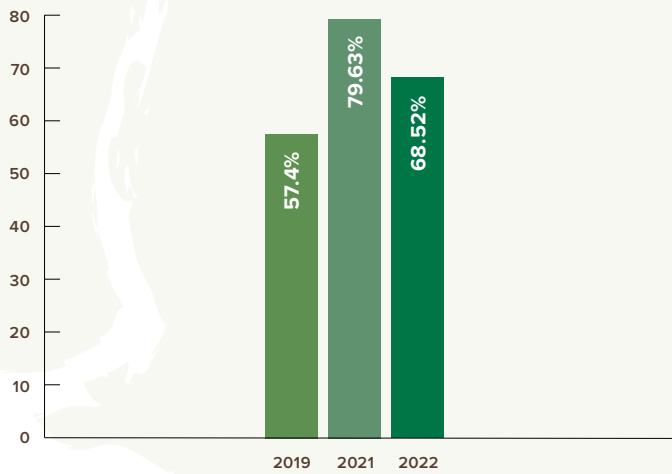




Groundcover

8.1 Percentage of NRM regions achieving healthy groundcover thresholds

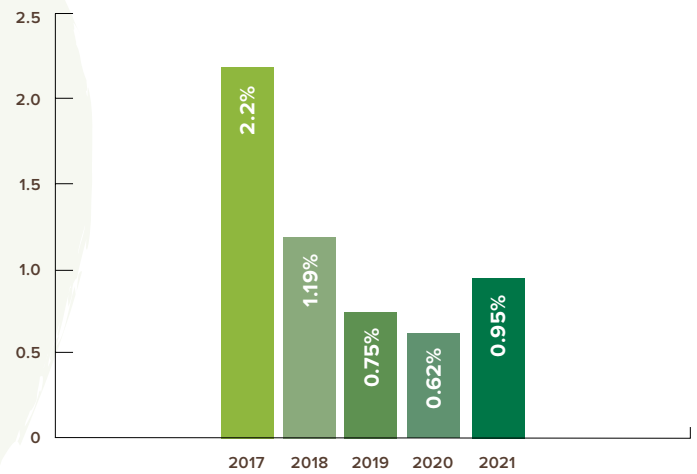
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Balance of Tree & Grass Cover

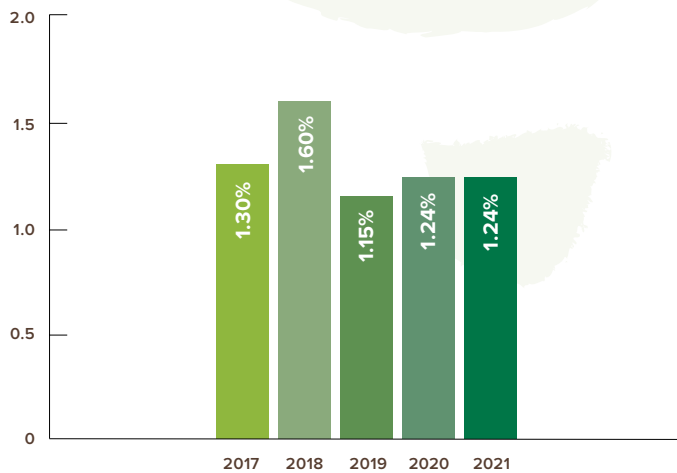
9.1 Percentage of national forest cover gain

TREND N/A



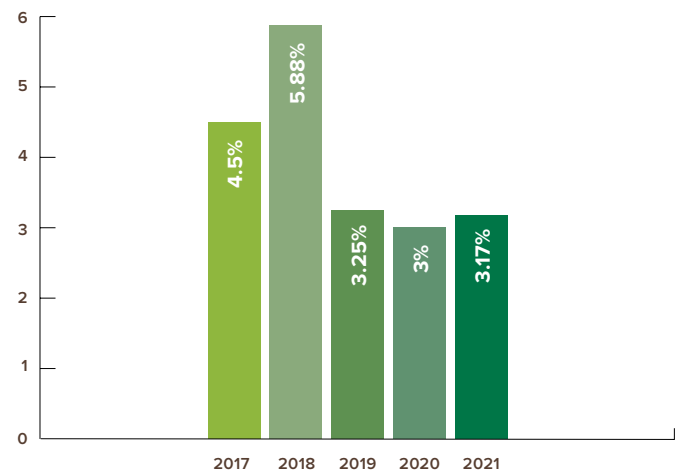
9.2 Percentage of national forest cover loss

TREND N/A



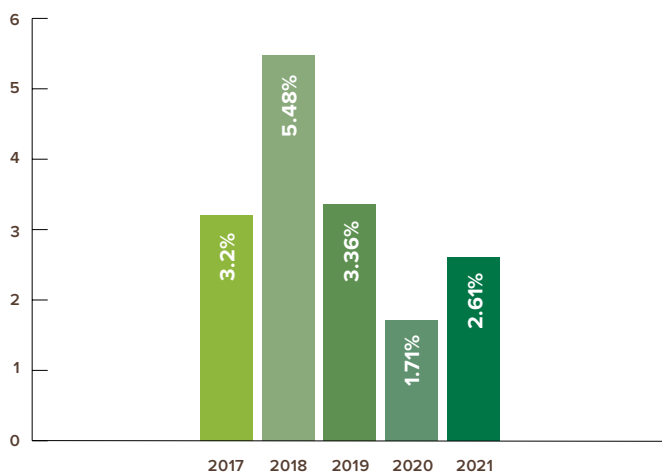
9.3 Percentage of national woodland cover gain

TREND N/A



9.4 Percentage of national woodland cover loss

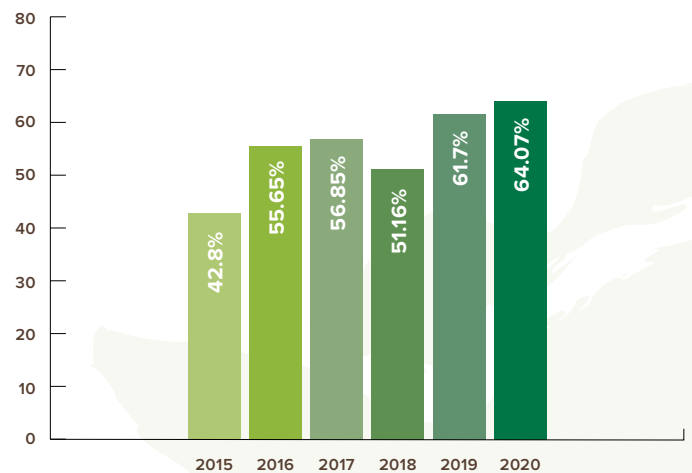
TREND N/A



GHG Emissions & Carbon Capture

10.1 Percentage total CO₂e reduced by beef industry from a 2005 baseline

TREND ●

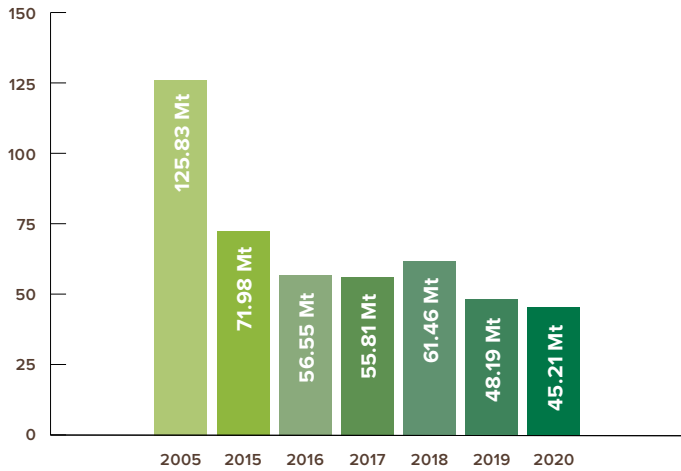




GHG Emissions & Carbon Capture

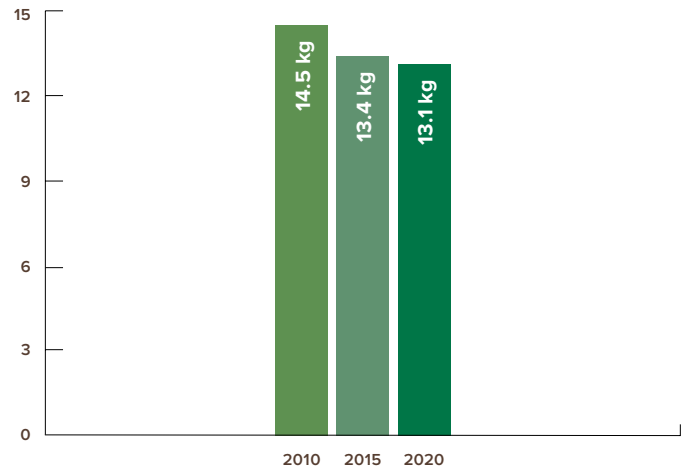
10.2 Net emissions: Mt of CO₂e emitted by the beef industry

TREND ●



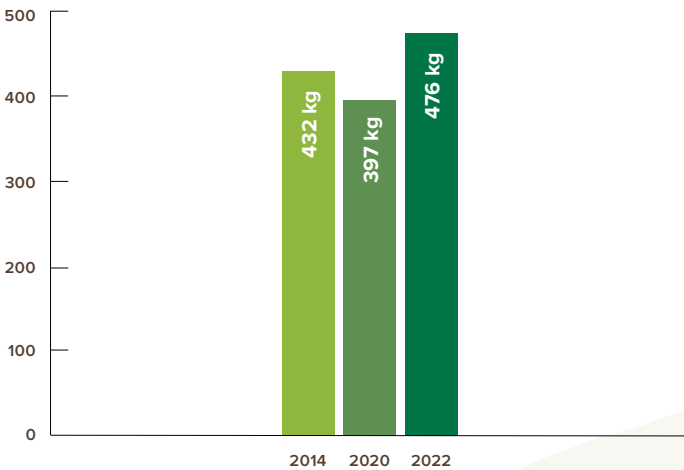
10.3 kg CO₂e emitted per kg liveweight when raising beef

TREND N/A



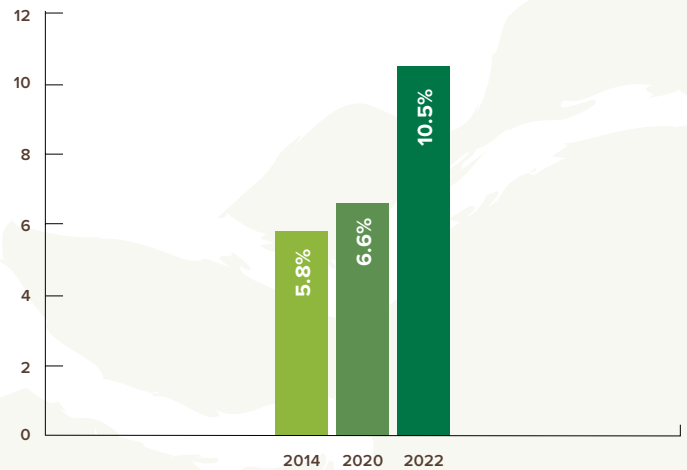
10.4 kg CO₂e emitted per tonne HSCW when processing beef

TREND ●



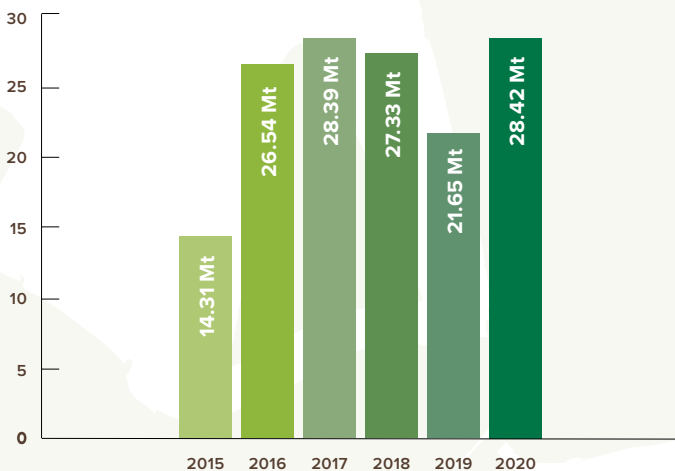
10.5 Percentage CO₂e captured and reused in processing

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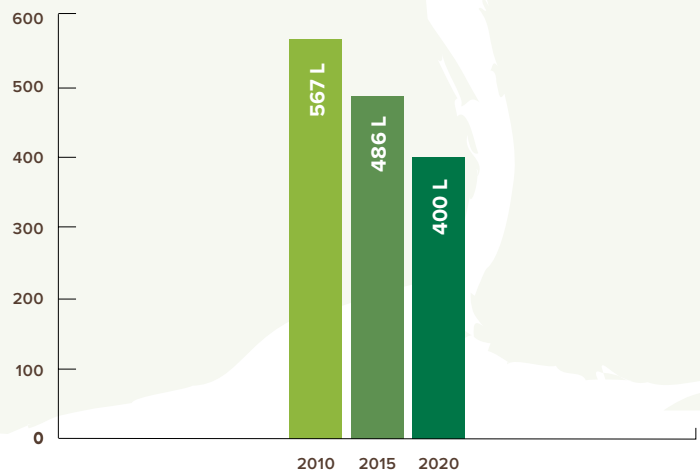
10.6 Carbon sequestered in on-farm vegetation (MT CO₂e)

TREND ●



11.1 Litres of water used per kilogram of liveweight for raising cattle

TREND ●

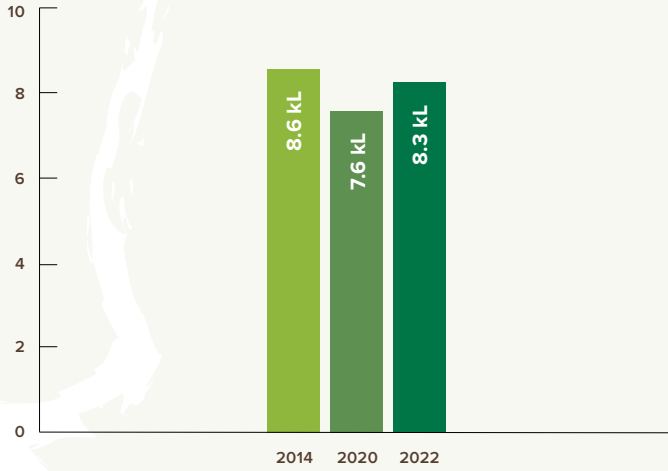


Water

Water

11.2 Kilolitres of water use per tonne HSCW when processing beef

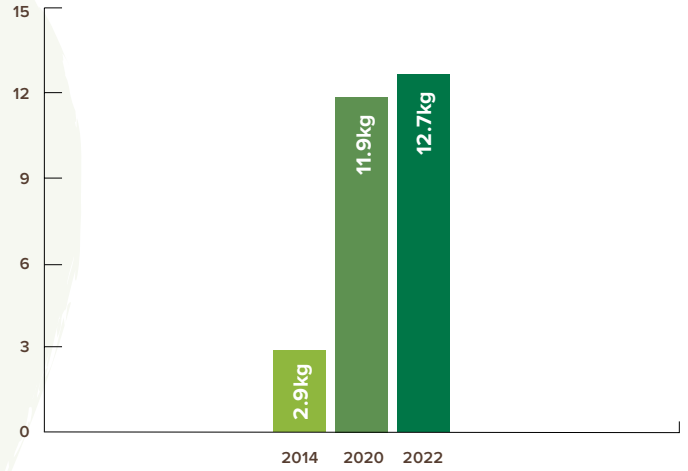
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Waste

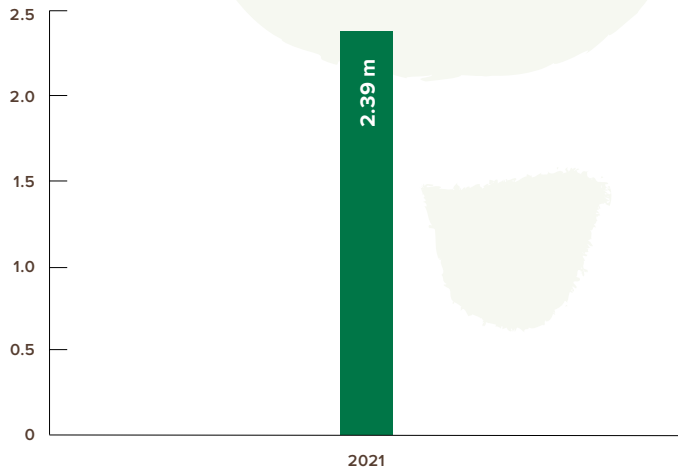
12.1 Kilograms of solid waste per tonne HSCW when processing beef

TREND ●



12.2 Tonnes of food waste recovered along the supply chain

TREND N/A

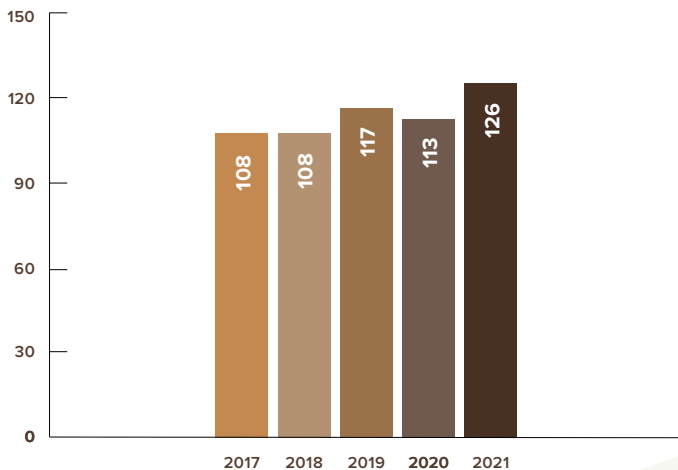


Economic Resilience

Climate Change Resilience

13.1 Climate-adjusted average annual growth rate in Total Factor Productivity - Baseline of 100 (1989)

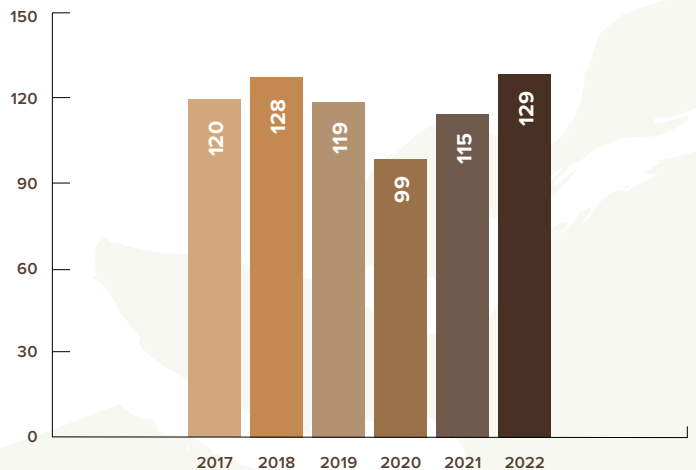
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Productivity

14.1 Total Farm Productivity - Baseline of 100 (1978)

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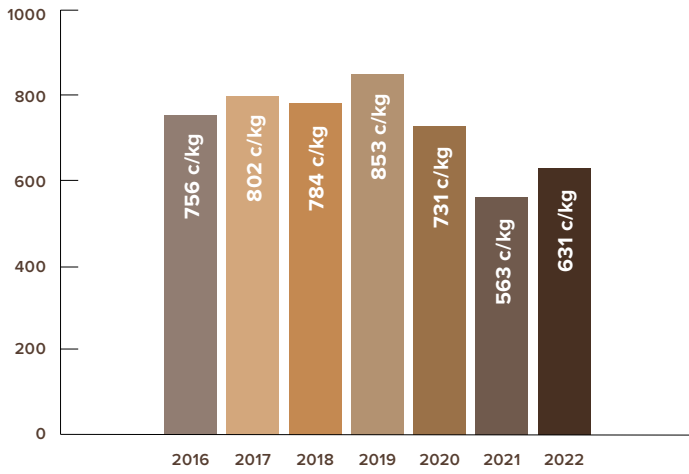




Productivity

14.2 Cost of beef produced on Australian farms (AUD)

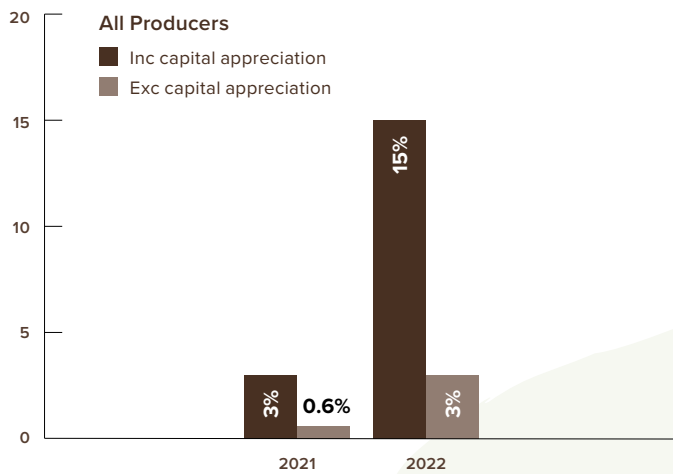
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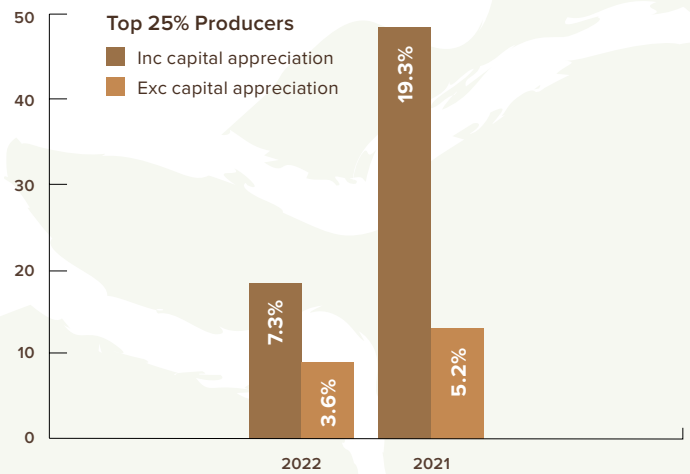
Profitability

15.1 Farm business profit at full equity (expressed as rate of return)

TREND ●



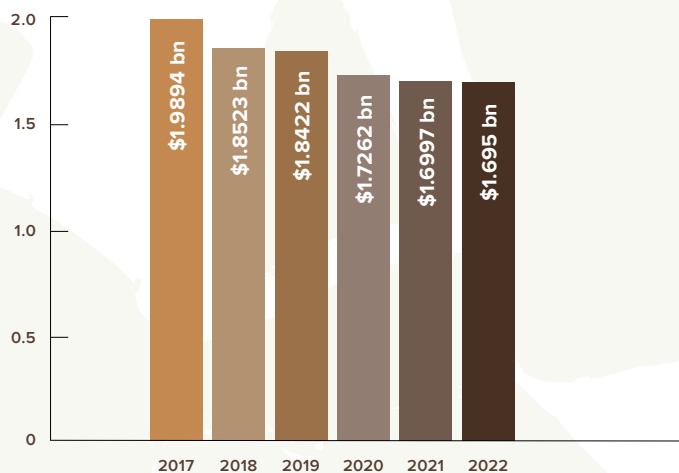
TREND ●



Market Access

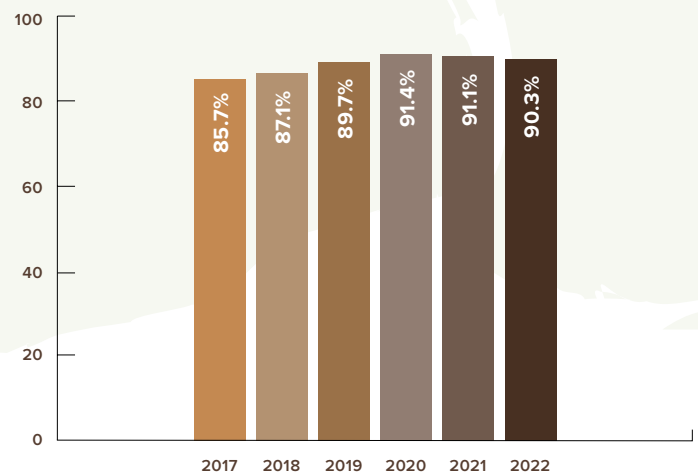
16.1 Costs of technical trade barriers

TREND ●



16.2 Percentage value share of Australian beef and live cattle exports covered by one or more preferential trade agreements

TREND ●



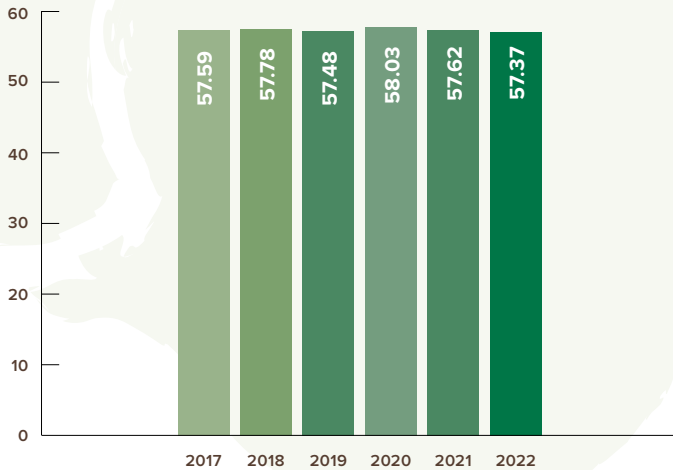
People & Community



Food Safety & Quality

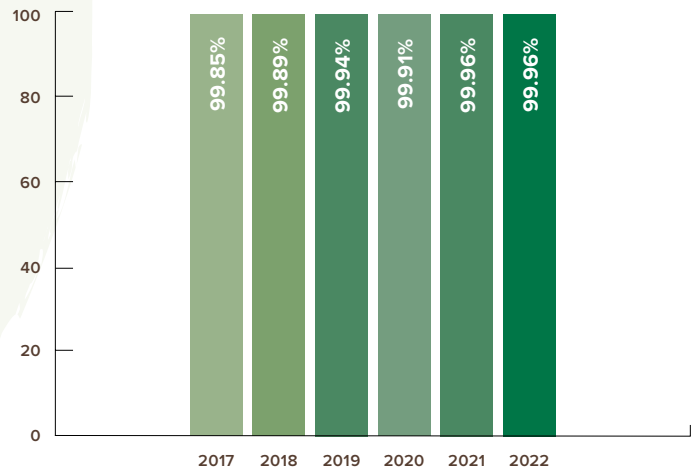
17.1 National Average MSA Index (30-80)

TREND ●



17.2 Overall compliance with the National Residue Survey Australian and International Standards for Cattle

TREND ●



Nutrition

Nutritional Profile

Nutrition Information*	per 150g serve*
Good Source[^]	
Protein	34.3g
Iron	3.1mg
Zinc	6.7mg
Vitamin B12	1.4µg
Source[^]	
Omega-3 fatty acids	48.2mg
Riboflavin (B2)	0.29mg
Niacin (B3)	7.5mg
Pantothenic acid (B5)	0.54mg
Vitamin B6	0.21mg
Magnesium	38mg
Phosphorus	328mg
Selenium	16µg

* Average nutrition information per 150g serve raw weight of four major beef cuts.

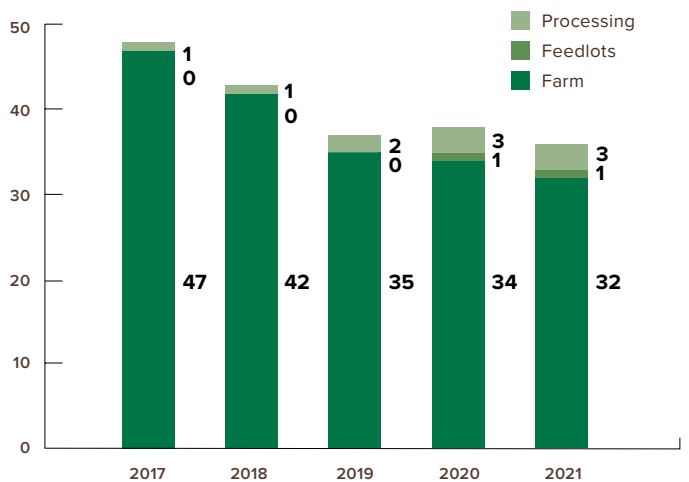
[^] Foods that are a 'good source of protein' have more than 10g per serve; 'good sources' of essential nutrients have 25% or more and 'sources', 10% or more of the recommended daily intake (RDI) as defined for labeling purposes in the Australian Food Standards (1.2.7).



Work Health & Safety

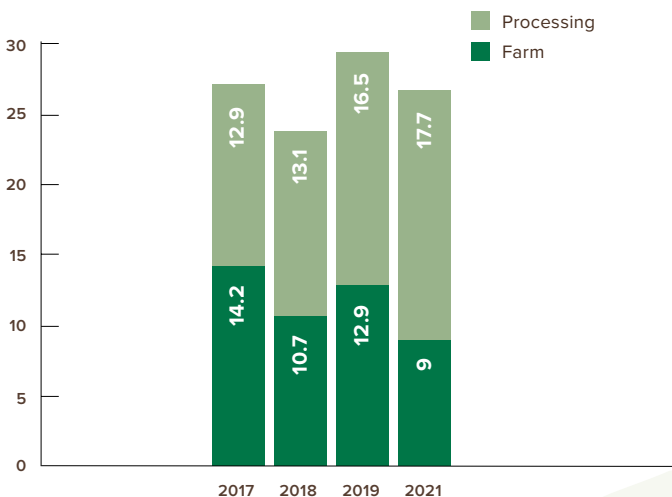
18.1 Notifiable fatalities (five-year totals)

TREND ●



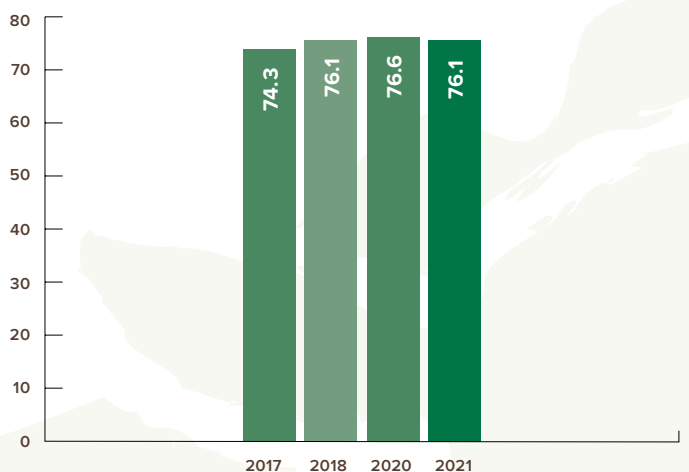
18.2 Lost time Injury Frequency Rate (number of claims per million hours worked)

TREND ●



18.3 Global Life Satisfaction Index (0-100)

TREND ●

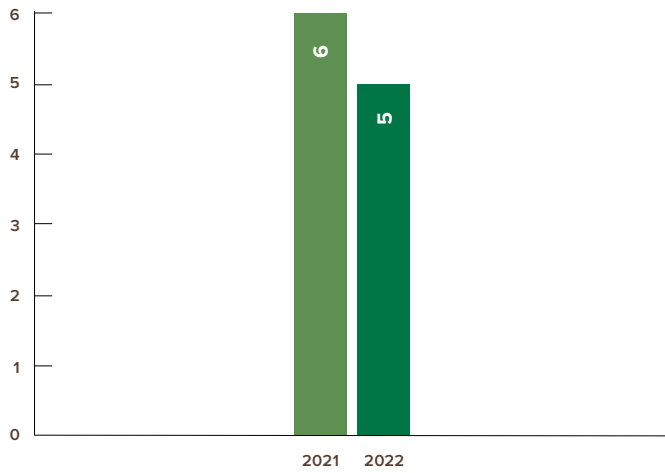




Labour Practices

19.1 Fair Work Ombudsman Compliance Notice Issued (Beef cattle farms)

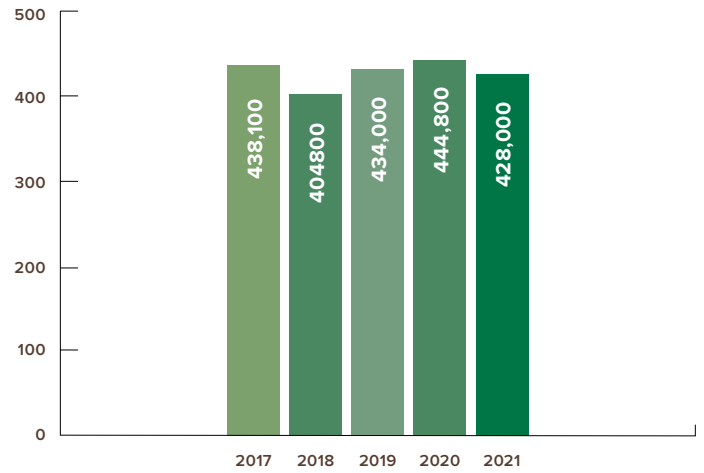
TREND ●



Community Contribution

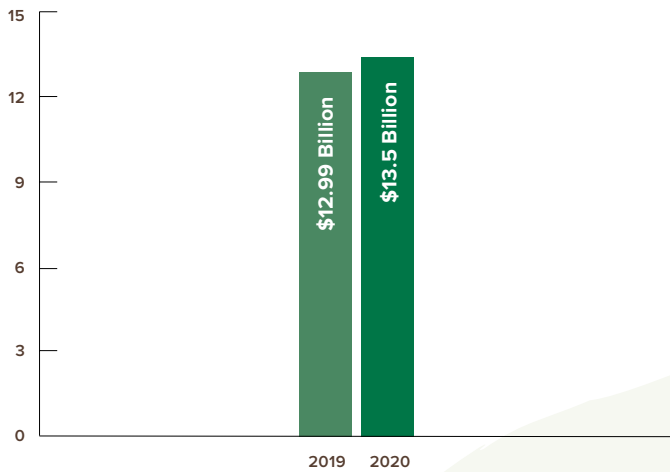
20.1 Total people employed directly or indirectly in the red meat and livestock industry

TREND ●



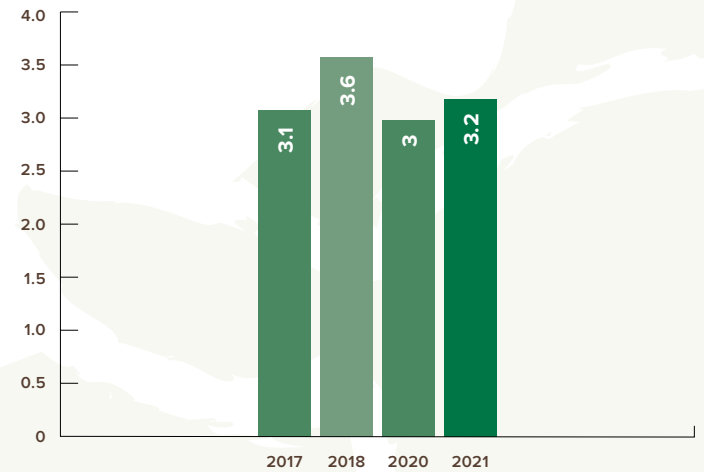
20.2 Beef farming, feedlot, and processing contribution to GDP

TREND ●



20.3 Getting involved in the community index (1-7)

TREND ●

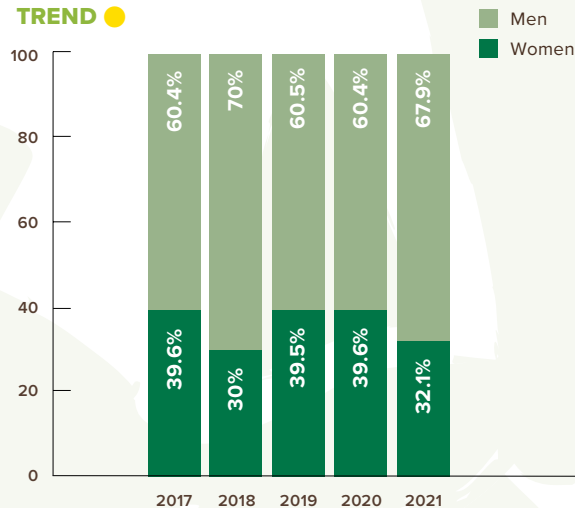


Diversity in the Workforce

21.1 Percentage of women and men in the workforce

Farms

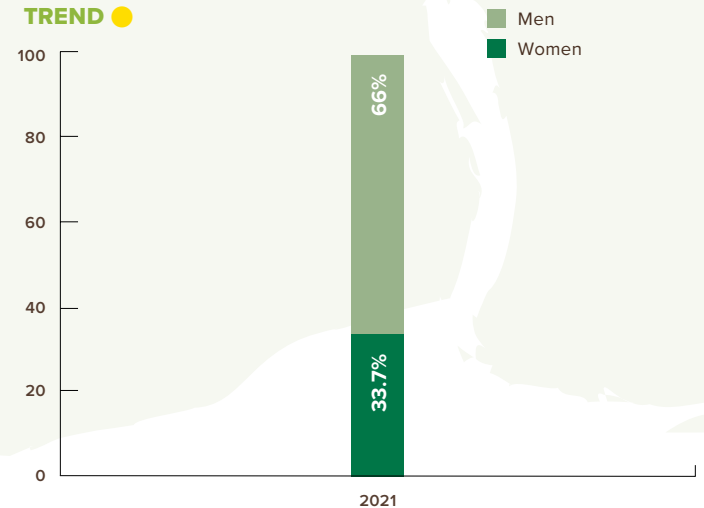
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21.1 Percentage of women and men in the workforce

Feedlots

TREND ●

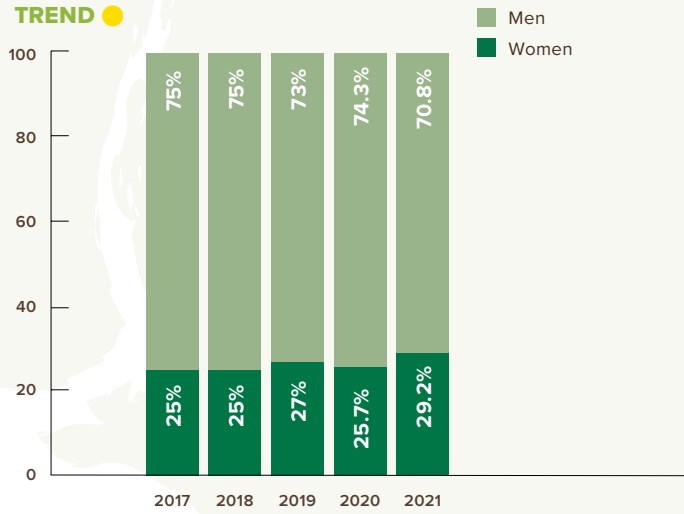


Diversity in the Workforce

21.1 Percentage of women and men in the workforce

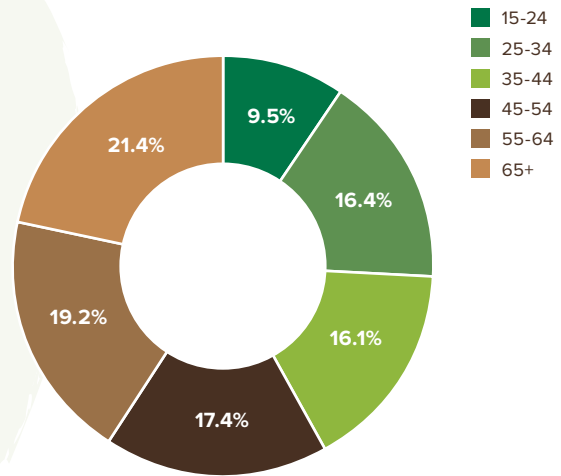
Processors

TREND ●



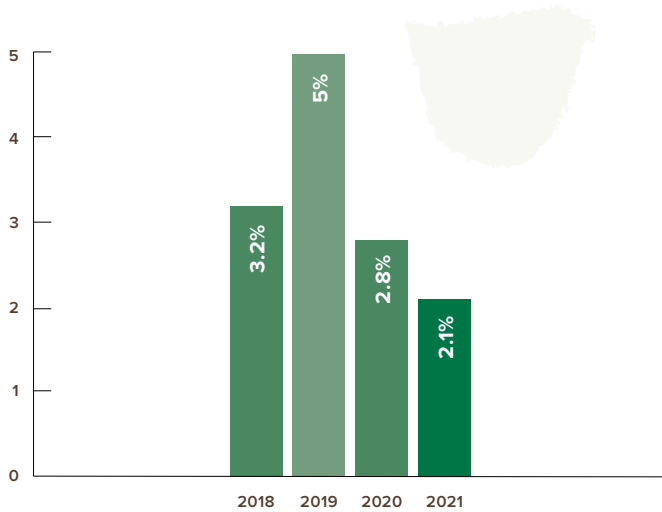
21.2 Age breakdown of the workforce

TREND N/A



21.3 Percentage of Indigenous employment in the workforce

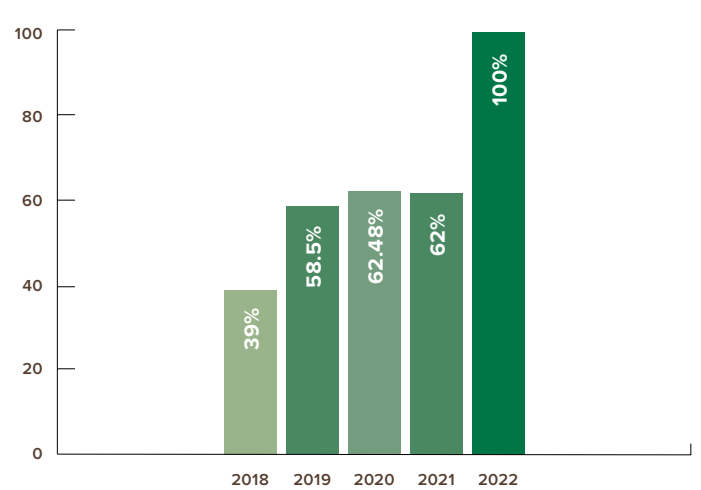
TREND ●



Antimicrobial Stewardship

22.1 The percentage of feedlots covered by an antimicrobial stewardship plan

TREND ●

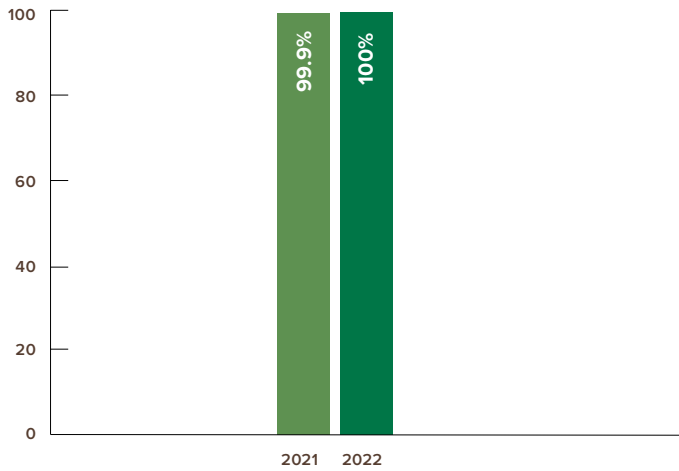




Antimicrobial Stewardship

22.2 Percentage of compliance with antibiotic Maximum Residue Limits

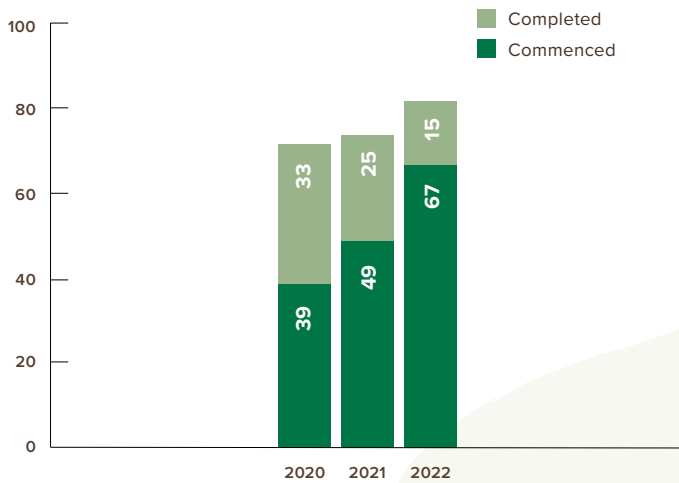
TREND ●



23.1 Number of traineeships and apprenticeships enrolled and completed

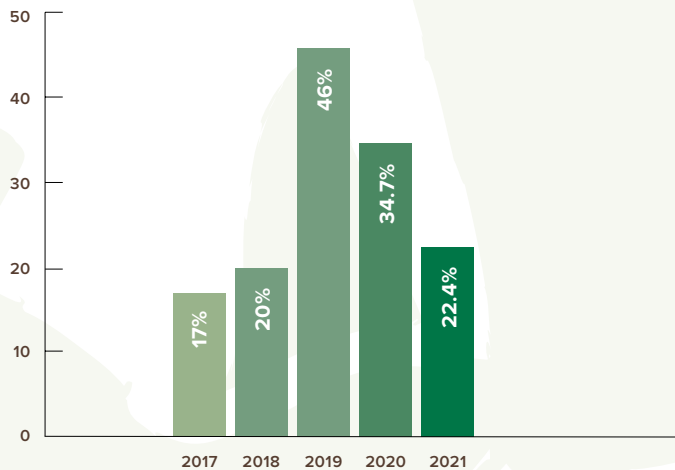
Feedlots

TREND ●



23.2 Percentage of industry workforce with a higher education qualification

TREND ●

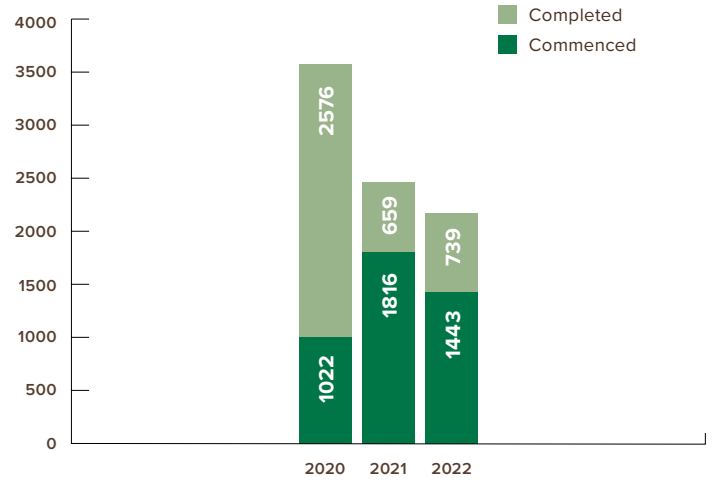


Capacity Building

23.1 Number of traineeships and apprenticeships enrolled and completed

Farms

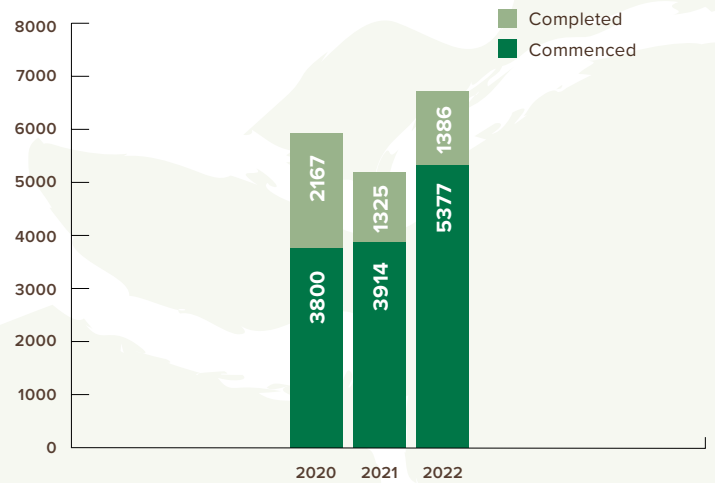
TREND ●



23.1 Number of traineeships and apprenticeships enrolled and completed

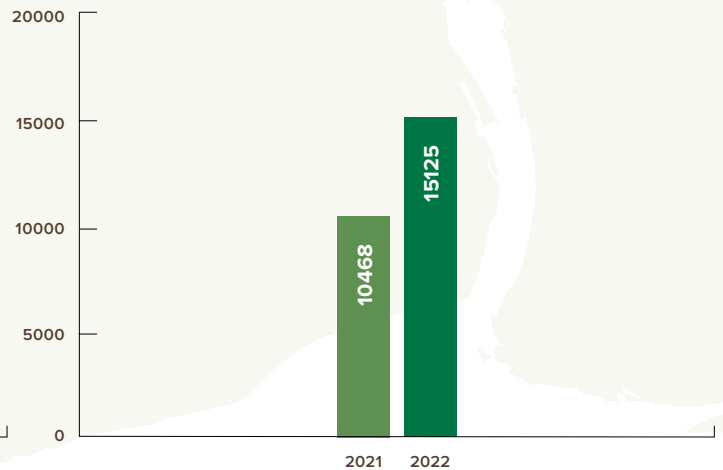
Processing

TREND ●



23.3 Number of participants undertaking MLA, LiveCorp, AMPC, or Peak Industry Council training

TREND ●



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