

MONASH INDUSTRY TEAM INITIATIVE (MITI)

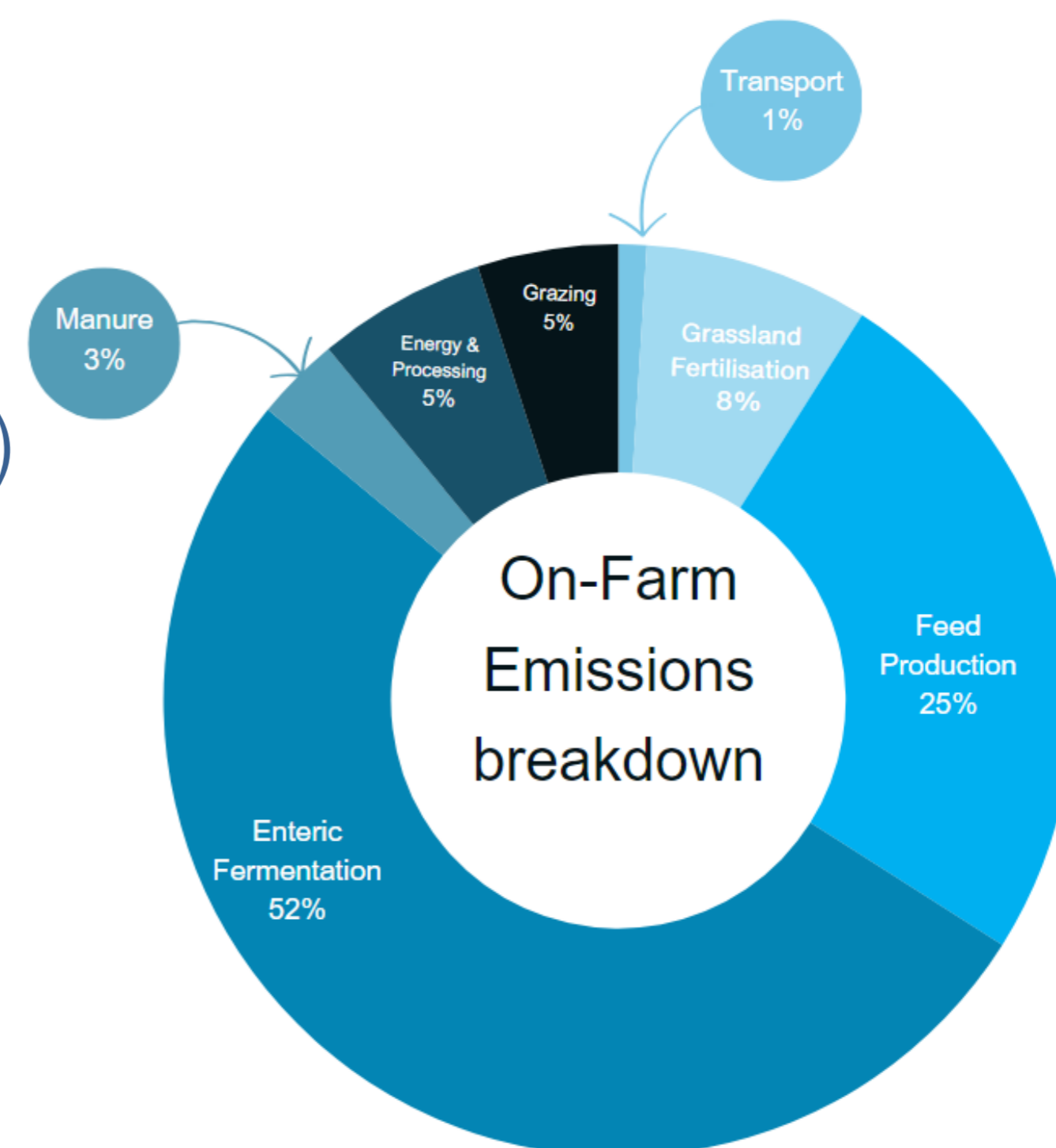
REDUCING ON FARM GHG EMISSIONS

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PROJECT BACKGROUND

Lactalis Australia is a leading dairy processor in Australia, with approximately 400 supplying farms, and brands including Pauls Milk, OAK, Lemnos, Vaalia and President. Lactalis Australia recognises that the dairy industry is responsible for approximately 3% of Australia's total emissions and has emissions reductions goals for Scope 1 and 2 emissions.

Scope 3 emissions make up approximately 95% of Lactalis Australia's total emissions. This makes it the area where there is the capacity for the most reduction. On-farm greenhouse gas emissions area the focus area for this project.



PROJECT SCOPE

To investigate and summarise current market options in the area of on-farm sustainability and GHG emissions reduction. To critically assess solutions and propose actionable options for implementation and shedding light on what these choices would mean from an emissions reduction perspective.

OUTCOMES

- A range of funding, grants and awards were identified to be available for farmers and Lactalis at state and national levels.
- Sustainability initiatives including potential incentives were investigated and analysed.
- Methods to reduce enteric methane emissions or to increase milk production in cows via feed additives and management techniques were investigated.
- On-farm projects were expanded upon, and criteria to select farms for projects were suggested.
- Communication materials to communicate with farmers were prepared and a roadmap for Lactalis Australia GHG emissions reduction projects was drafted.

FUTURE WORK/NEXT STEPS

Next steps to continue this project include:

- Working with farmers to set up projects on farm, and to collect data on measurable metrics to determine approximate change in GHG emissions.
- Further investigation into possible feed additives, to determine if solutions are feasible



OUR EXPERIENCE

Our time at Lactalis has been full of exciting experiences where we had the opportunity to explore many different parts of the company. We visited the Jalna farm, the Booth depot in Strathmerton, went on tanker runs, milked a cow and visited the Rowville and Longwarry factories. We had an amazing time and are excited about possible future opportunities in dairy!

ACKNOWLEDGEMENTS

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