



National Agricultural Traceability Grants Program – Regulatory Technology Research and Insights Grant Round: Regsoft Pty Ltd grantee summary

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This project explored how Rules as Code (RaC) can simplify and automate regulatory compliance for Australian agriculture, with a focus on dairy exports. RaC is a way of turning legal rules into digital formats so they can be used by software. It ensures that businesses can meet government requirements more easily, with fewer errors and with real-time support. Regsoft would like to thank the Department of Agriculture, Fisheries and Forestry for their ongoing support for the project. We developed and demonstrated a working prototype that showed how traceability requirements can be automated. The system uses internationally accepted standards (like GS1) and verifiable credentials to track products from farm to export. When fully adopted, this would mean farmers and exporters could receive instant guidance on regulations, complete forms faster and reduce delays in approvals.

Key benefits identified:

- Easier compliance for producers, with fewer manual forms and faster approvals.
- More reliable data for regulators and better insights into emerging risks.
- Increased confidence for overseas markets in Australian food safety and quality.
- Improved transparency and accountability across the supply chain.

This approach is already showing strong return-on-investment potential. A pilot in the dairy sector suggests benefits to farmers and federal regulators outweigh the costs. Wider adoption across agriculture could deliver national economic and regulatory benefits, while simplifying export processes and reducing costs for industry.

The project involved stakeholder interviews, technology trials, and economic modelling. It has helped identify where existing systems and regulations need to be updated to support digital compliance. The next step is to work with regulators and industry to embed these tools into everyday use. We thank all participants and stakeholders for their input into this work. The findings provide a pathway for digitising regulation in ways that support growth, sustainability, and global competitiveness for Australian agriculture.

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Acknowledgement of Country

We acknowledge the continuous connection of First Nations Traditional Owners and Custodians to the lands, seas and waters of Australia. We recognise their care for and cultivation of Country. We pay respect to Elders past and present, and recognise their knowledge and contribution to the productivity, innovation and sustainability of Australia's agriculture, fisheries and forestry industries.

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