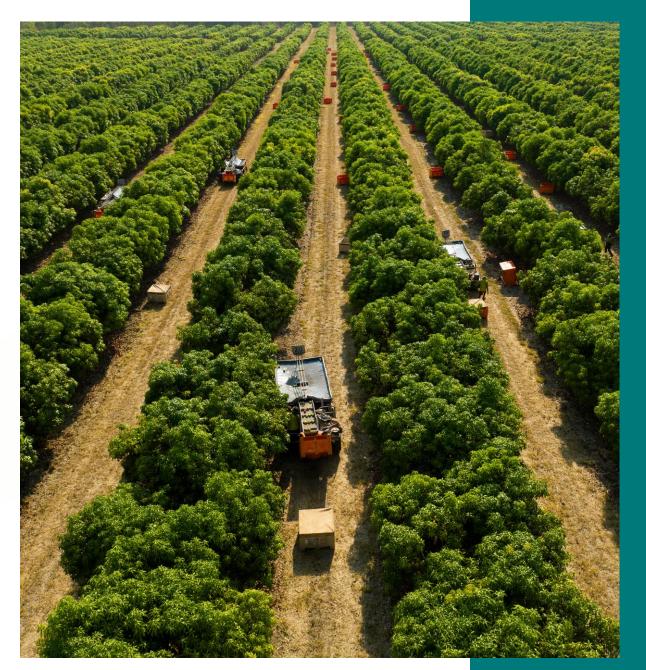
Hort Innovatíon

Australian Horticulture Tree Crop Mapping

Lucy Noble, Head of Industry Insights

22 08 2024





Section 01

Crop Mapping

Crop Mapping at a glance

>160,000

Approximate hectares of horticulture mapped on the Australian Tree Crop Map in August 2024.

\$2.6 billion

Total production value of Australian horticulture mapped.

16 per cent

of the horticulture sector (by value) is mapped using satellite imagery.



What are we talking about?

Accurate horticulture category mapping, from the individual block to the national level





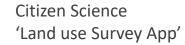
Industry and government data





Aerial photography

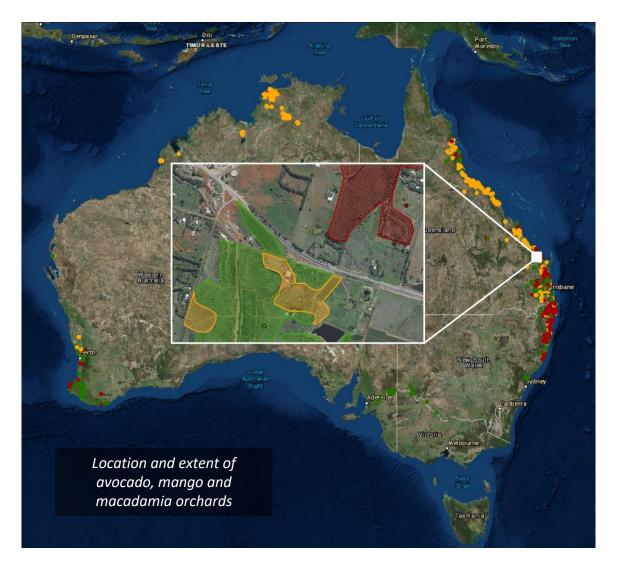








Expert knowledge & industry engagement



Biosecurity

Regional biosecurity preparedness and response

Natural Disaster

Natural disaster planning, response and policy

Production Area Data

Foundational data layer for further application of current and emerging technology

Minard Southerstein Minarden

Industry Planning

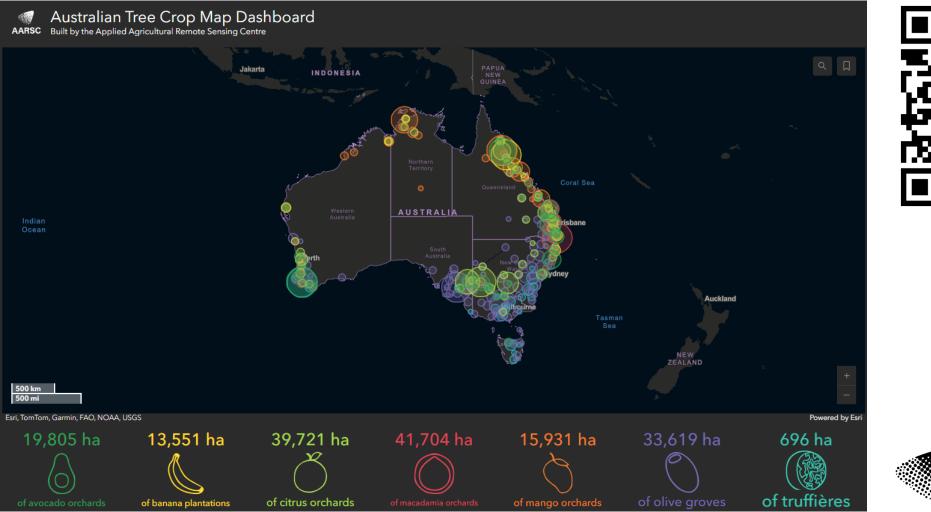
Data to support industry decision-making, planning and monitor industry trends & forecasts



Section 02

The Australian Tree Crop Map Dashboard

Australian Tree Crop Map Dashboard

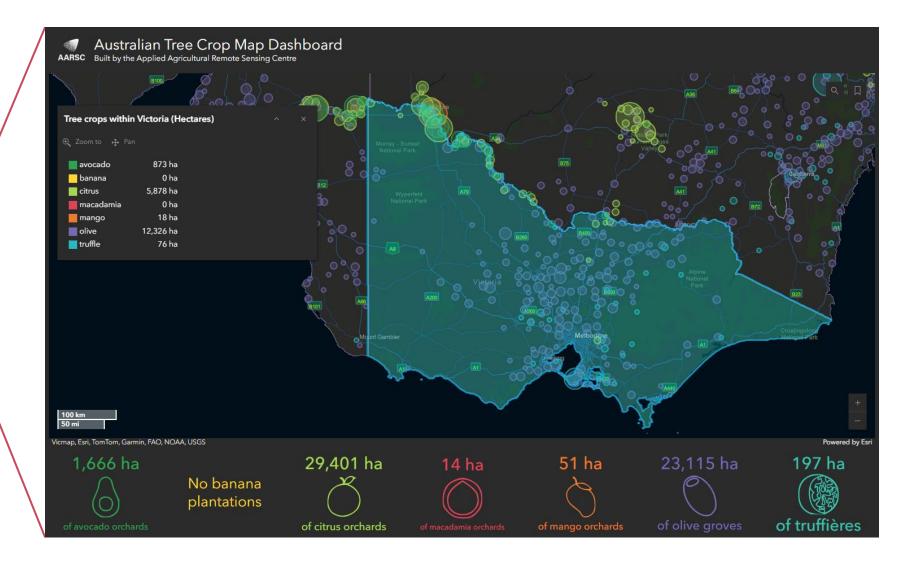




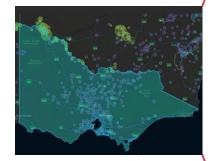


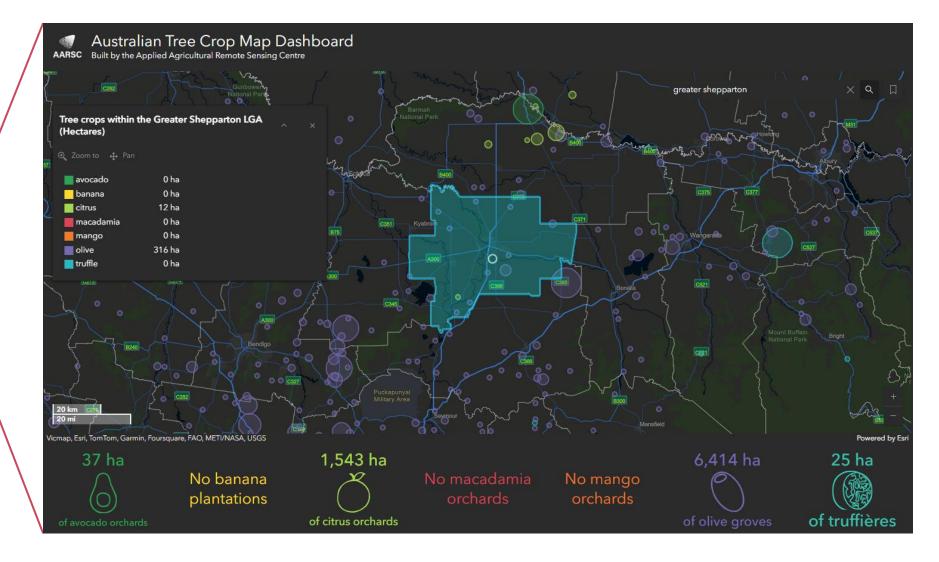
Tree Crop Map – State level





Tree Crop Map – LGA level





Tree Crop Map – Polygon level (>1ha)





National Map of Protected Cropping Systems

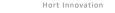
National map of all protected cropping systems in Australia

• Publicly accessible imagery.

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- Published PCS dashboard in July 2023.
- Deep learning model developed.
- Supported Varroa mite response in NSW.



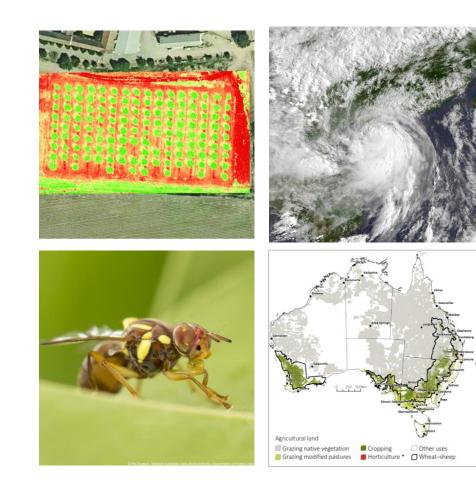


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Mapping applications

Applications:

- Rapid Response Map
 - Biosecurity response and recovery (e.g. Varroa).
 - Natural disaster management
- Analysis and metrics.
- Image analysis (e.g yield, vigour, productivity).
- Baseline for additional data.
- Industry planning and forecasting.



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Thank you



Hort Innovation website



Australian Tree Crop Map Dashboard

