

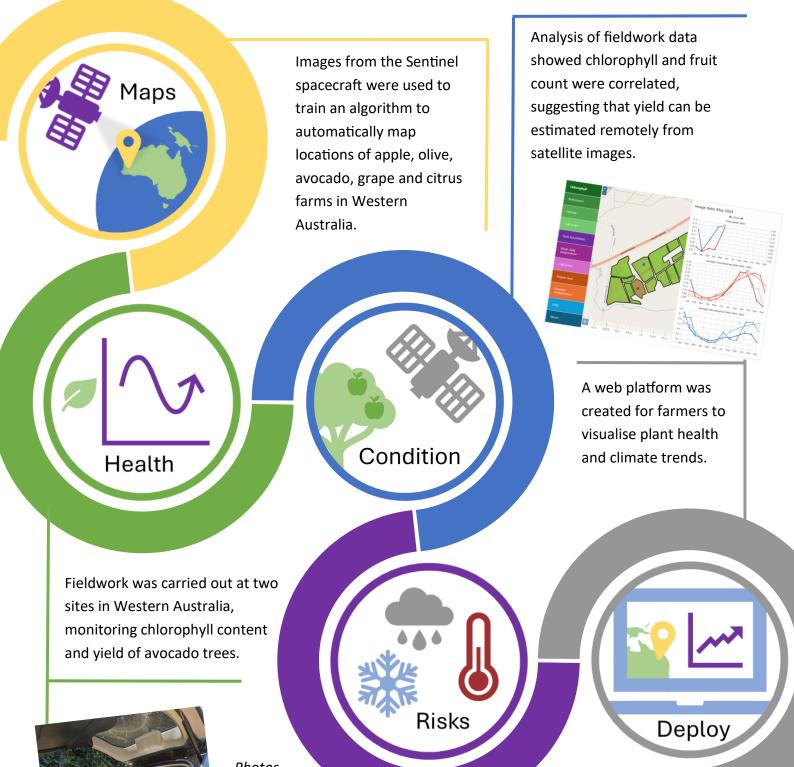
Monitoring tree crops through Earth Observation data





Fruit Sense has begun the groundwork to adapt existing tools and techniques used to remotely monitor grain crops to measure fruit tree crops. Data from Earth Observation satellites have the potential to allow remote monitoring of tree crop health at paddock scale and on a weekly basis through measurements of plant biophysical parameters.





Photos from the field trips



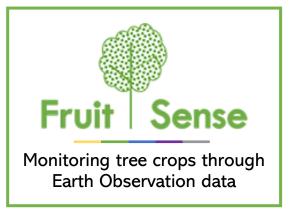
Analysis of climate data showed an increase in temperatures over recent decades. This has led to a decrease in winter chill hours in parts of southern Australia and Tasmania.

## **Future Work**

Fruit tree crops bring unique challenges, as their planting arrangements vary, which introduces spatial complexity in their analysis using satellite imagery.



Further fieldwork is needed to establish the relationships between field measurements and satellite observations of chlorophyll content and yield.



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