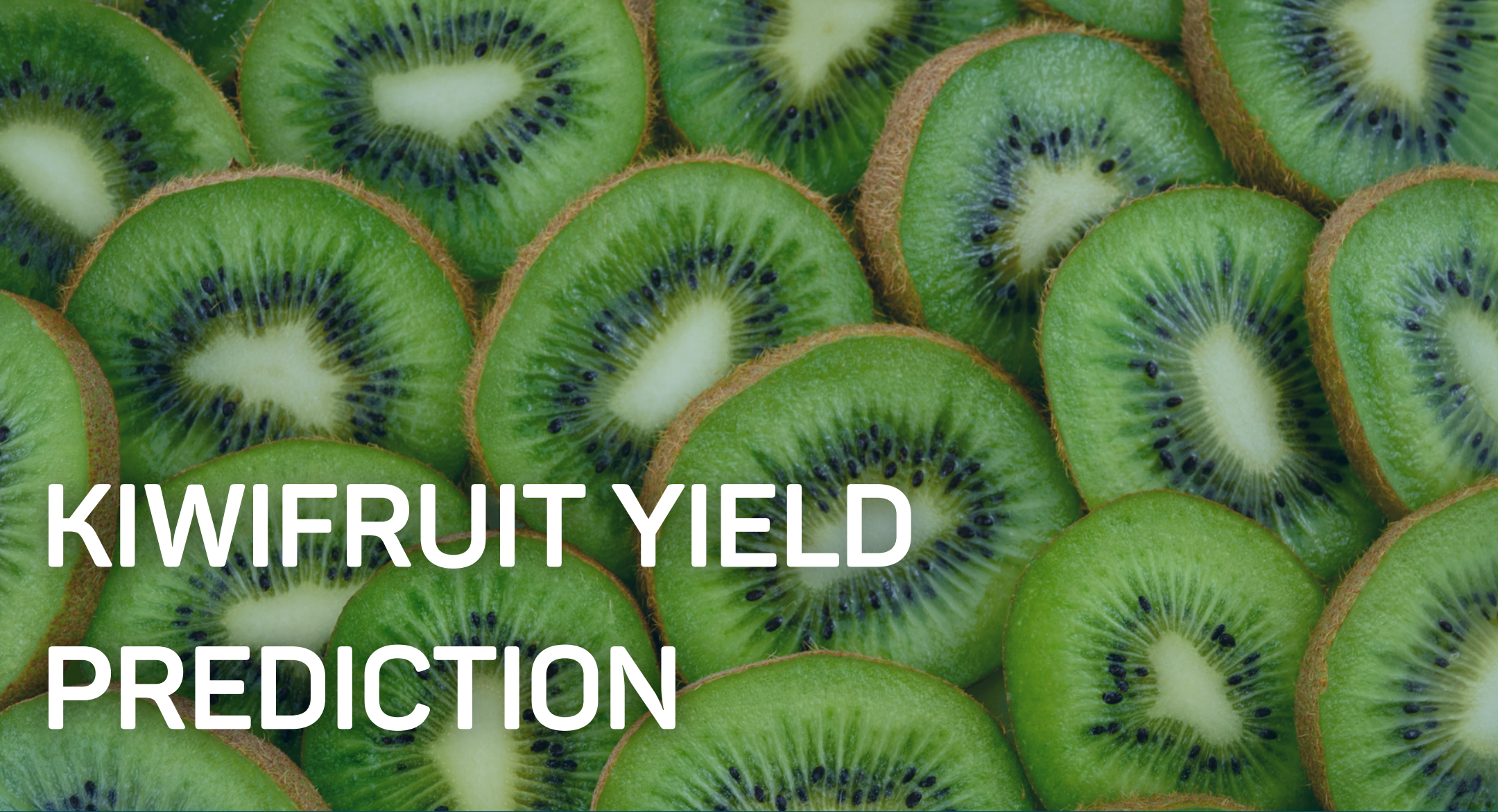




KIWIFRUIT YIELD PREDICTION

PARTNERS



IN SHORT

This Food Agility CRC enabled Zespri to accurately forecast the size and volume of fruit produced, leading to a reduction in waste from over-production, costs from under-production, and improved supply and demand alignment.

“This project has further broadened UTS DSI research capabilities in agriculture especially in crop yield predictions. It has extended our potential to reach research excellence in agriculture for making an impact in the sector.”

Dist Prof Fang Chen, UTS

THE CHALLENGE

In horticulture, uncertainty around yields and crop sizing has a significant impact on market price. Yields and crop sizing are affected by weather, but in complex ways that are not well known. In kiwifruit crops, these complex interactions between the environment and plants cause uncertainty and variability in yield, fruit quality, sizing, and maturity. Uncertainty in kiwifruit yield and fruit sizing is a significant financial cost to Zespri, the world’s largest marketer of kiwifruit.

OUR APPROACH

This project achieved accurate POC models which will enable Zespri to improve its forward contracting of fruit supply, better optimise supply logistics and reduce cost of yield forecasting activities. These models were fully integrated into The Yield’s Digital Playbook solution to further enhance accuracy and operational performance.

LEARN MORE



Note: The Yield was acquired by Yamaha Agriculture in 2025.



Australian Government
Department of Industry,
Science and Resources

Cooperative Research
Centres Program