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Centre for Agricultural Engineering

CRDC
COTTON RESEARCH AND DEVELOPMENT CORPORATION

Australian Government
Department of Agriculture and Water Resources

Aerial imagery for yield prediction

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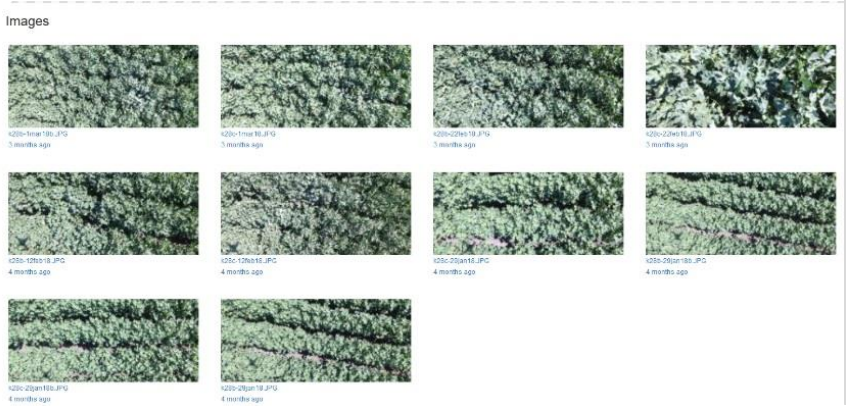
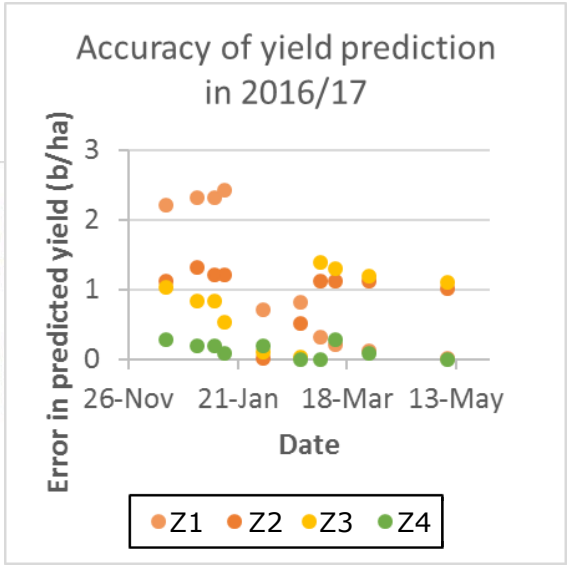
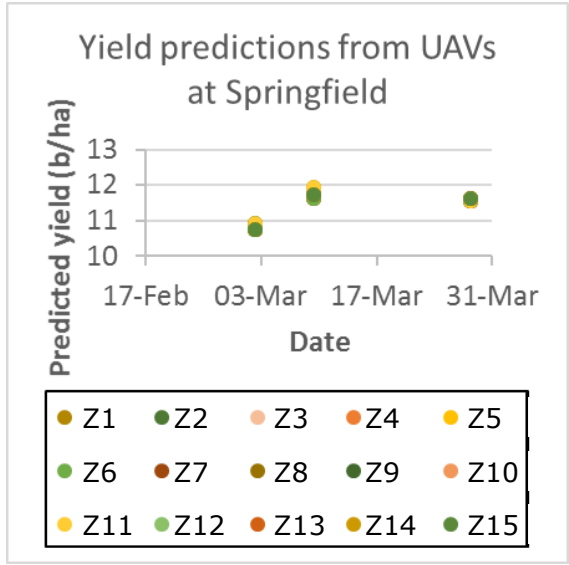
- Yield prediction improves management and contract planning
- Existing approaches are typically site and season specific
- UAV imagery and process-based crop models trialled for yield prediction with CottonInfo at 13 sites
- Average error in yield was 2.4 b/ha without images and 0.9 b/ha with images (1-15%)

1. Image collection



2. Image and model analysis

3. Yield prediction (Z=Zone)