



Centre for Agricultural Engineering



Australian Government
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%)

2. Image and model analysis



3. Yield prediction (Z=Zone)

1. Image collection

