



25/26 May 2016, Havelock North Function Centre, 30 Te Mata Road, Havelock North 4157 New Zealand

Day 1 Wednesday 25 May

08:00 – 09:00 REGISTRATION

9:00 – 10:30 Session 1: Smart Farming in Queensland

- 9:00 1. Introductions
- 9:10 2. Platinum Sponsor – Hawke's Bay Regional Council
- 9:20 3. Smart Farming in Queensland – Julie O'Halloran (Queensland DAF)
- 9:40 4. Adoption, investment, where to from here – Ian Layden (Queensland DAF)
- 10:00 5. Farmer case studies Robbie Tole and Ben Moore – Where we are getting value

10:30 – 11:00 Ballance Agri-Nutrients Morning Tea

11:00 – 12:30 Session 2: Smart Farming Examples

- 11:00 6. Smart Farming in Tasmania – John McPhee (UTAS)
- 11:20 7. Investigating variability in potatoes – Sarah Sinton (Plant and Food)
- 11:40 8. How NZ farmers are getting value from soil EM maps – Chris Smith (AgriOptics)
- 12:00 9. Measuring nutrient losses from cropping Paul Johnstone (Plant & Food)
- 12:20 10. Fertiliser Calibration with FertSpread – Dan Bloomer (LandWISE)

12:30 – 13:30 Foundation for Arable Research Lunch

13:30 – 15:00 Session 3: Other Smarts

- 13:30 11. Platinum Sponsor – BASF Crop Protection
- 13:40 12. Smart Biology – Charles Merfield (Future Farming Centre)
- 14:10 13. Sprout – accelerating new technologies (Stu Bradbury, Tom Rivett, Julian McCurdy)
- 14:30 14. LandWISE AGM

15:00 – 15:30 Apatu Farms Afternoon Tea

15:30 – 17:00 Session 4: Enhancing the profitability and value of onions

- 15:30 15. Onions NZ Research Project – Jane Adams (Onions NZ)
- 15:50 16. Getting to a profit and loss map – Justin Pishief (Centre for Land and Water)
- 16:10 17. Plant and crop modelling – Bruce Searle (Plant & Food)
- 16:30 18. Mapping soil and canopy development – Dan Bloomer (LandWISE)

18:30 – 19:00 Pre-Dinner Drinks

19:00 – 21:30 Conference Dinner – Trans-Tasman Quiz Night





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Day 2 Thursday 26 May

08:30 – 09:00 REGISTRATION

9:00 – 10:30 Session 5: Value from Data

- 9:00 19. Introductions
- 9:05 20. Platinum Sponsor – John Deere
- 9:15 21. Horticultural value chains – Alistair Mowat
- 9:35 22. Turning big data into informed action – James Beech (BNZ)
- 9:55 23. Discovering the value of hyperspectral data – Megan Cushnahan (NZCPA)
- 10:15 24. A digital horticulture research strategy – Roger Williams (Plant & Food)

10:30 – 11:00 Netafim Morning Tea

11:00 – 12:30 Session 6: The value of robots

- 11:00 25. Weeding robots: a global review – Armin Werner (Lincoln AgriTech)
- 11:20 26. Digital Agriculture and Its Associated Challenges and Risks – Tristan Perez (Queensland University of Technology)
- 11:40 27. Vision systems for onion crops – Kit Wong (Callaghan Innovation)
- 12:00 28. Value from UAVs in forestry – David Herries (Interpine)
- 12:20 29. UAV regulations to know – Simon Morris (Altus UAS)
- 12:40 30. Wrap up - Field event preparations – Dan Bloomer (LandWISE)

12:45 – 13:30 Eagle Technologies Lunch

14:00 – 16:30 Session 7: Field Demonstrations

Yamaha helicopter, UAVs, Fertiliser Spreader Calibration
 Bio-stimulants, Sensors (EM and NDVI)
 Permanent beds for onions, Crop orienteering exercise

Day 3 Associated Event: Trans-Tasman Vegetable Growers Networking

9:00 – 12:30 Part 1: Sharing stories, swapping ideas

Crops: Onions, Potatoes
 Technologies, opportunities for joint activities/research

13:00 – 17:00 Part 2: Field Visits

Bus to local vegetable farm and factory

