

PRESENTING THE 3RD ANNUAL

AgTech Summit

Exploring technological innovation and opportunities for agriculture in Australia

17-18 March 2020 | Rydges World Square, Sydney

Featuring:



Tony Mahar
National Farmers'
Federation (NFF)



Claire McFarland
The University of Sydney



J Matthew Pryor
Australian Agriculture
4.0 Task Force



Chris Mendes
The Yield



Jacqueline Gabb
NTT Data



Ben Kelly
John Deere



Arianna Sippel
Austrade



Dr. Mike Briers
Food Agility



Dr Andrew Moore
CSIRO



Carolynne James
NSW Department of
Primary Industries



John Tindall
Withnell Dairy
Company



Dr. Barry
McGookin
Food Innovation
Australia Limited
(FIAL)



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DAY 1

08:50 Opening remarks

AGRICULTURAL OUTLOOK

09:00 Ministerial Keynote: Agri Regulation and Compliance

Invitation extended to the Minister of Agriculture

09:30 Keynote: Mega Trends and the Roadmap to 2030

- Farm data governance
 - Predictions towards 2030
 - Australian Farm Data Code of Practice
- Tony Mahar, CEO, National Farmers Federation

10:00 NSW Agtech Initiatives – Beyond The GATE

- Update on current projects
 - GATE initiatives
 - Innovation in ag commercialisation of research
 - Opportunities for investment in NSW ag tech
- Carolynne James, Ag Leader and Manager, Investment and Business, NSW Department of Primary Industries

10:30 Networking and refreshment break

SMART FARMING

11:00 The Future is Digital – Innovation in Smart Farming

- Graincast smartphone
 - Soilmapp • Smarteartags
 - Farm Decision Platform
- Dr. Andrew Moore, Digscape Technology Leader, CSIRO

11:30 Case Study: Australia' First Fully Automated Vertical Farm

- Vertical farming is climate independent with maximum water efficiency and productivity per m² of ground area.

- Highest levels of automation are fundamental to the commercial viability of vertical farms.
 - Currently planting, growing and harvesting 400kgs of crop with a total input of 10 hours of semi-skilled labour.
 - Well-designed vertical farms reliably deliver chemical-free, organically based crops of the highest quality possible
- John Leslie, Executive Director, Vertical Farm Systems

12:00 How AI Drones are Revolutionising Smart Farming

- Crop Health Analysis
- Irrigation Monitoring

12:30 Lunch & Refreshments

IoT , Sensors and Robotics

13:30 Robotics in Agriculture – Where are we now and where are we headed?

- Robotics solutions
 - Initiatives and innovations
- Professor Salah Sukkareih, CEO, Agerris and Professor of Robotics and Intelligent Systems, University of Sydney

14:00 Work Smarter not Harder: Artificial Intelligence (Ai) in Agriculture

- Improve efficiency and productivity; harness the power of Artificial Intelligence and Machine Learning
- Let bots become your virtual farm assistants
- Real life use cases for
 - o Weed Detection and Eradication
 - o Condition Monitoring for Farm Equipment and Livestock

Jacqueline Gabb, Head of Agriculture, National Innovation Lead , NTT Data

14:30 PANEL: IoT and Sensors – Innovation in Precision agriculture



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DAY 1

- Innovation in soil management
 - How does farm data get managed, stored and used?
 - What are the latest trends being adopted for precision agriculture
- Dr. Mike Briers AO, CEO, Food Agility
Ben Kelly, Precision AG Manager, John Deere

15:20 Refreshments and Networking

FARMERS' INSIGHT

15:50 **FARMERS PANEL: Where does the true AgTech value lie for farmers?**

- What works, what doesn't and what is needed?
 - Understanding the impact of AgTech on traditional farming
 - Benefits of innovation in farming technology
- John Tindall, Managing Director, Withnell Dairy Company
David Brownhill, Owner and Director, Merrilong Pastoral Company
Richard Heath, Executive Director, Australian Farm Institute

Moderator: Brooke Sauer, CEO and Principal, IntellectAG

This panel is an opportunity to hear directly from farmers on which technologies provide value and their experience with using various technologies. This is an opportunity to have your questions answered directly from the end-users of agtech.

16:50 Close of Day 1

17:00 Networking Drinks

DAY 2

09:00 Opening remarks from the Chair

9:10 Keynote:

- **Tips & tricks for the journey ahead An honest account of what we learned over the last few years**
- **What challenges did we solve for our customers?**
- **How did we change their thinking and how did this impact their bottom line?**

Chris Mendes, Chief Technology Officer, The Yield

INVESTMENT & MARKET OPPORTUNITIES

09:40 **Growing a Culture of Innovation – How Start Ups can Position themselves to attract Funding**

J Matthew Pryor, Partner, AgThentic & Co-Founder, Tenacious Ventures

10:10 **PANEL: Exploring the opportunities for collaboration between start-ups and industry**

- Funding
- Getting the eco system right
- Collaboration & Growth Partnership
- How does Australia compare globally in terms of opportunities?

Arianna Sippel, Senior Investment Specialist in Agribusiness and Food, Austrade

J Matthew Pryor, Partner, AgThentic & Co-Founder, Tenacious ventures

Fernando Felquer, Business Development & Commercialisation Manager, Grain Research and Development Corporation

10:50 Networking & Refreshment break

EMBRACING NEW TALENT & START UPS

11:20 START UP SHOWCASE



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DAY 2

The Start Up Showcases provides the platform for emerging tech companies to showcase their product and pitch in front of our audience and a panel of advisers. It is an opportunity for them to hear feedback from both the audience and advisers and for you to learn more about emerging technology changing the face of agriculture in Australia.

Confirmed participants include:

David Davies, Founder & CEO, AgUnity

John Shannon, CEO, RipeTime

Nicolas Martelli – Business Development, ZoomAgri

12:50 Lunch & Networking

GLOBAL INSIGHTS

13:40 Building a Globally Recognised AgTech Eco in Australia – What can be learned from US Initiatives

- Funding lessons and US investment landscape
- What are the differences in eco-system establishment

Claire McFarland, Director, Innovation & Entrepreneurships, United States Studies Centre, The University of Sydney

SUPPLY CHAIN PROVENANCE

14:10 PANEL: Supply Chain Traceability and Provenance – What is the Journey from Paddock to Plate?

- How do we improve efficiency in the end-to-end supply chain
- Where are the value opportunities?
- What are the pain points in the supply chain and how can technology overcome them?

Justin Webb, Founder & CEO, AgriWebb

Mark Inglis, Farm Assurance and Supply Chain

Manager, JBS Australia

Barry McGookin, GM, Innovation, Food Innovation Australia Limited (FIAL)

David Indeiros, CEO, Fresh Supply Co

14:50 Afternoon tea

FUTURE OF FOOD – SECURITY & SUSTAINABILITY

15:10 Case Study: The Future of Plug Production and its Role in Food Security and Sustainability

Stephen Andrews, Founder, MicroHarvest

15:40 Alternative Proteins: Shaping the Future of Food

Please check back for speaker details

16:10 Innovation in Plant Generation and Sustainability

- New breeding techniques
- Genome editing technologies can accelerate trait development for more crops and offer more opportunities for farmers to manage their farm operations

Crop Protection:

- critically needed to safeguard food production and farm income
- The global shift towards more plant-based diets reinforce the need for innovation in crop protection that can meet requirements for sustainability (soil health, animal and human health)
- Innovation for weed control (herbicides) is an example of such need for the industry due to more stringent regulations and new expectations by consumers

Bruce Lee, Board Member, Nexgen Plants

16:40 Closing remarks from the Chair

16:45 Close of Conference