

2016 GRDC Grains Research Update, Perth

29th February - 1st March, 2016

Western Australia's Premier Annual Grains Industry Event

A two day program showcasing the latest research, technology, market development and management innovations to improve the productivity and profitability of the WA grains industry.

Add value to your business and your clients

- Get the latest from local, national and international researcher and industry experts
- Network with your peers
- See what the future holds for the industry
- Build and extend your technology knowledge



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2016 GRDC Grains Research Update, Perth

Keynote Speakers



Dr J. André de Barros Teixeira

Dr Teixeira knows the world of innovation and has authored many articles on the subject.

Dr André Teixeira is an Entrepreneur in Residence with the Food and Nutrition Flagship at CSIRO, North Ryde, Australia, and was recently Chief R&D and Quality Officer of Goodman Fielder Ltd. Dr Andre is the creator of ideation techniques, used by many companies and organisations and is renowned as a guest speaker at Innovation related conferences world-wide. Dr Teixeira holds graduate and postgraduate degrees in Philosophy, Industrial Chemistry, Food Science and Business from Cambridge, Reading and Oxford universities. He holds Belgian nationality and, having lived in seventeen countries in six continents, speaks ten languages and now resides in Sydney.

Dr Teixeira will share his knowledge with you by presenting 'Innovation and why we need it' and explain how innovation is one of the most significant driving forces of growth in all industries. He will provide an overview of new approaches, together with key challenges affecting the food industry.

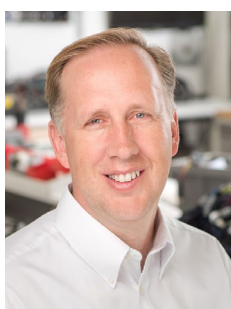


Mr Rob Saik, CEO Agri-Trend Group, Alberta, Canada

Mr Rob Saik is a passionate keynote speaker, a professional Agrologist and Certified Agricultural Consultant.

Mr Saik is the founder of Agri-Trend, a large consulting company based in Canada using on-line farm data management and a unique mentoring approach to assist farm businesses. He has been involved in the development of many new business processes and spearheaded several advancements in technology integration in agriculture including the development of The Agri-Data@ Solution, winner of Alberta's 2002 E-business of the Year for on-line farm data management. Mr Saik is creator of The Agri-Prize contest series, a skills based incentive competition for agriculture and launched The Canola 100 Agri-Prize in July 2015, a collaboration with Agri-Trend, John Deere and Glacier FarmMedia. In 2014, Mr Saik was awarded 'Canadian Agri-Marketer of the Year' by the Canadian Association of Agricultural Marketers.

Rob has travelled extensively working on technology integration and agriculture advancements and will be sharing his knowledge on the future of farming.



Mr Mel Torrie, Chief Executive Officer of Autonomous Solutions, Utah, USA

Mr Torrie has a Master's degree in Electrical Engineering from Utah State University and is founder and CEO of Autonomous Solutions Inc. (ASI) in Logan Utah. ASI develops and sells systems of robots in mining, military, agriculture, material handling, automotive proving grounds and industrial cleaning. Prior to founding ASI 15 years ago, Mr Torrie worked at Utah State University where he managed two NASA Space Shuttle Payloads. Mel is a sought after speaker in the robotics community and has delivered a number of addresses at conference events. For over 15 years, Autonomous Solutions has been the leader in providing vehicle automation solutions and has systems operating around the world in widely varied markets.

Mr Torrie will share with you, ASI's experiences in these endeavors and focus on the current state of technology in farming automation and where the future lies.

2016 GRDC

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Concurrent sessions will cover recent R&D results and innovations including:

- Update on which crop varieties to grow in 2016 and the latest agronomic practices to maximise yields and returns from the new crop varieties
- New options for the management of crop diseases and how to cope with costly fungicide resistance
- Adaption to climate change and adjusting cropping programs to match future climate scenarios
- Effective weed management strategies
- Crop rotation strategies to manage risk and maximise profit
- Oat agronomy update - capturing yield increases and quality premiums
- Profitable management systems to address a range of soil constraints
- Practical tips to save money and be more effective in spraying operations
- New technology, products & services for WA grain producers

With extended sessions on:

- Summer weed management for moisture conservation
- Capacity building for early career agronomists and advisors
- GRDC Backchat - question and answer session with GRDC Board members, Western panel members and management to discuss issues with GRDC

Focus sessions will provide extended time to tackle the following key issues:

- **Frost** - this informative session will present and discuss the latest R&D and advice for frost management.
- **Capturing Opportunities to Sow Earlier** - with the ever increasing trend to sow early, this session will evaluate the factors that should be taken into account to maximise success.
- **New Age Machinery** - a look at the latest developments in the crop machinery world and future possibilities for using drones, robotics and autonomous vehicles problems in WA cropping programs.
- **Fungal Diseases and Fungal Management** - delve further into the complex world of fungal diseases and techniques to manage emerging fungicide resistance.
- **Pulse Workshop** - to examine the latest information on pulse crop and opportunities to rethink the place of pulse crops in crop rotations.

Networking opportunities include:

Networking Drinks

Hosted by the CBH Group from 5:40pm to 7:30pm on Monday, 29 February, 2016.

After a busy first day, relax with a drink and canapes while networking with colleagues and peers about future insights and hot topics in agriculture research and innovation.

Breakfast

Hosted by GIWA's Australian Grain Institute (AGI) Council from 7:15am to 8:45am on Tuesday, 1 March 2016.

**Book Now: Early bird registrations
close Friday, 29 January, 2016**

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Program DAY 1 - Monday 29th February 2016

8.00 am	Registration & Coffee			
9.00am	Plenary 1			
9.00 am	Peter Roberts, Chairman, GRDC Western Panel Welcome			
9.15 am	Richard Clark, Chairman of GRDC and Peter Roberts, Chairman of GRDC Western Panel Seed of Light presentations and future directions for GRDC investments in grains R, D & E			
9.30 am	Keynote Speaker - Professor Andre Teixeira Innovation and why we need it			
10.15 am	Morning Tea			
10.45 am	Plenary 2			
10.45 am	Keynote Speaker - Robert Saik, AgrITrend, Canada Ten trends to affect agriculture in the next decade			
11.30 am	Andrew Weidemann, Paul O'Meehan and Brad Jones Presentations from three grain farmers on innovations of value to grain farming in Western Australia			
12.30 pm	Lunch			
1.30 pm	Session 1 - Crop Varieties	Session 2 - Soil & Nutrition	Session 3 - Weeds	Session 4 - Grains industry
	Steven Tillbrook, Kalyx Australia & Anandini Ganesalinga, CCDM Wheat National Variety Trial Results 2015	Stephen Davies, DAFWA New soil wetter and tillage approaches shine on repellent gravels and sands	Prof. Stephen Powles, AHRI Global snapshot of herbicide resistance and comparison with Australia	Hannah Janson & Nathan Cattle, NZX Profarmer Putting a dollar value on best practice grain selling
2:00 pm	10 Min Moving			
2.10 pm	Blakely Paynter, DAFWA Western Australian barley update: varieties and their interaction with management	James Easton, CSBP Acid soils - is gypsum part of the solution?	Assoc Prof. Christopher Preston, Uni of Adelaide, Managing Clethodim resistant ryegrass	Richard Riddle & Darrin Lee Crop Manager - making sense of data to drive cropping programs in real time
2:40 pm	10 Min Moving			
2:50 pm	Matthew Davey, Kalyx Australia Canola National Variety Trial Results 2015	Dr Elizabeth Petersen, DAFWA Economic analysis of the impacts and management of subsoil constraints	Peter Newman, Planfarm/AHRI Mix and rotate herbicides – and if all else fails pull them by hand	Steve Jeffries, AGT How can plant breeding improve grower profitability
3:20 pm	Afternoon Tea			
3:50 pm	Session 5 - Farming Systems	Session 6 - Soils & Nutrition	Session 7 - Diseases	Session 8 - Grain industry
	Georgie Troup, DAFWA Oat agronomy update – achieving your yield and quality potential	Dr. Craig Scanlan, DAFWA Buried or blended? Effects of tillage implements on the redistribution of soil nutrients, clay and lime	Madeline Tucker, CCDM & Ciara Beard, DAFWA Foliar fungicide strategies for managing powdery mildew on wheat	Ben White & Josh Guimelli, Kondinin Group New machinery and equipment ideas from around the globe
4.20 pm	10 Min Moving			
4.30 pm	Dr. Michael Walsh, AHRI New developments in harvest weed seed control	Dr. Louise Barton, UWA Where does the nitrogen go: Sources and sinks in Western Australia cropping soils?	Andrea Hills, DAFWA Control options for STNB across WA farming systems	Prof. Ross Kingwell, AEGIC Is the Ukraine a steppe ahead?
5.00 pm	10 Min Moving			
5.10 pm	Bill Campbell, Farmanco Practical tips for spray operation	Dr. Paul Blackwell, DAFWA Deeper ripping and topsoil slotting for more profitable management of subsoil compaction and some other constraints; way to go?	Margaret Roper, CSIRO Broad spectrum suppression of wheat and canola fungal diseases by endophytic biocontrol agents	Peter Wilson, CEO Australian Milling Group The Australian Milling Group story and International Year of the Pulse
5.40 to 7.30 pm	Networking Event sponsored by the CBH Group			

This program may be subject to change.

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Program DAY 2 - Tuesday 1st March 2016

7.15 am	Breakfast hosted by GIWA's Australian Grain Institute (AGI) Council				
8.45 am	15 Min Moving				
9.00 am	Session 9 - Farming Systems	Session 10 - Agronomy	Session 11 - Pests & Diseases	Session 12 - Climate Adaptation	Session 13
	Bindi Isbister, DAFWA The changing options for compaction management in the West Australian wheatbelt	Roger Lawes, CSIRO Taking a long term view of crop rotation pays off	Svetlana Micic, DAFWA Reassessing canola yield loss to aphids	Dr. David Stephens, AEGIC South-west Western Australia is losing its Mediterranean climate	GRDC Backchat
9.30 am	10 Min Moving				
9.40 am	Liam Ryan, DAFWA Leveraging Twitter® for better engagement with research outcomes	Ken Flower, UWA Long-term effect of rotation and rainfall on crop residue dynamics and wheat crop performance	Dr. Robert Park, Uni of Sydney New cereal rust and implications for management	James Fisher, Desiree Futures Economic analyses of cropping options in future climates	GRDC Backchat
10.10 am	Morning Tea				
10.40 am	Session 14 - Farming Systems	Session 15 - Weeds	Session 16 - Pests & Diseases	Session 17 - Agronomy	Session 18 - Tips for agronomists & grower groups
	Glenn McDonald, DAFWA Drought tolerance of wheat varieties	Convenor - Peter Newman, Planfarm/AHRI Summer weed management for moisture conservation	Rosalie McCauley, DAFWA The world's first Biosecurity Blitz (2015) - lessons learnt about reporting plant pests for the WA grains industry	Heping Zhang, CSIRO Canola hybrids vs OPs; which one wins and where?	Convenor - Bill Moore, Elders Capacity Building workshop for agronomists and advisors
11.10 am	10 Min Moving				
11.20 am	Andrew Fletcher, CSIRO Why are WA farmers sowing earlier / dry sowing?	Summer weed management for moisture conservation - continued	Svetlana Micic, DAFWA Stopping the menace - slugs, snails and resistant red legs!	Jackie Bucat, DAFWA Can yield penalties from retaining hybrid TT seed be overcome by agronomy in low rainfall areas?	Capacity Building workshop for agronomists and advisors -continued
11.50 am	Lunch				
1.00 pm	Plenary 3: New technology for the grains industry				
	1.00pm Andrew Bate, SwarmFarm Robotics Swarm Farming				
	1.10pm Mel Torrie, Autonomous Solutions, Utah, USA Autonomous farm machinery by 2020?				
	1.50 pm Closing comments, Peter Roberts, Chairman, GRDC Western Panel				
2.00 pm	10 Minutes Moving				
2.10 pm	Focus Sessions				
	Focus Session 1	Focus Session 2	Focus Session 3	Focus Session 4	Focus Session 5
	Convenor - Dr Michael Robertson, CSIRO Capturing opportunities to sow earlier	Convenors - Garren Knell, Consultag & Prof. Bob Belford, Curtin Uni Frost	Convenor - Mark Gibberd, Centre for Crop Disease Management Fungal Diseases and Fungicide Resistance	Convenor - Ben White, Kondinin Group New Age Machinery	Convenor - Alan Meldrum, Pulse Australia Pulse Workshop

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How to Register:

For secure, fast convenient online registration

Click here: [Register Now](#) 

For all other enquiries please contact Rachel Nash by email researchupdates@giwa.org.au or phone 08 6262 2128.

Accommodation

We are pleased to offer the following discounted accommodation to GRDC Grains Research Update attendees. Kindly book directly with your chosen hotel and note that rooms are subject to availability at the time of booking.

Adina Hotel Apartments Perth (next door to PCEC)

Guests attending an event at PCEC receive a 5% to 10% discount off Best Available Rate of the day.

To book visit the [Adina here](#) (Discount code TH6879495 applied on booking)

Parmelia Hilton (4 mins walk to PCEC)

Weekend rates from \$170 per night, weekday from \$265 (two guests, Queen room)

To book visit [Parmelia Hilton here](#) (Group Code GRDCA)

Best Western Premier Terrace Apartment Hotel (7 mins walk to PCEC)

10% off the Best Available rate of the day, to book email reservations@terraceperth.com.au

or call 08 9214 4444 (Group Code GIWA)

Holiday Inn Perth City Centre (10 mins walk to PCEC)

Double rooms from \$289 per night, To book visit [Holiday Inn here](#) (Group Code GIA)

Four Points by Sheraton Perth (15 mins walk to PCEC)

From \$290.50 per night, to book visit

[Four Points by Sheraton Perth here](#) or call 08 9327 7000

2016 GRDC Grains Research Update, Perth

Registration Form

29 February & 1 March, 2016 – Perth Convention Exhibition Centre

Delegate Details:

Organisation / Grower Business Name: _____

Delegate Name: _____

Address: _____

City: _____ State: _____ Postcode: _____

Position: _____ Telephone: _____

Mobile: _____ Facsimile: _____

Email: _____

Registration Fees

	No.	Grower*	Industry member
Full Package – EARLY BIRD RATE (up to 29 January 2016) (includes two day Crop Updates program, networking drinks and AGI/GIWA breakfast)		\$350	\$450
Full Package (after 29 January 2016) (includes two day Crop Updates program, networking drinks and AGI/GIWA breakfast)		\$400	\$500
Standard Package – EARLY BIRD RATE (up to 29 January 2016) (includes two day Crop Updates program and networking drinks)		\$300	\$400
Standard Package (after 29 January 2016) (includes two day Crop Updates program and networking drinks)		\$350	\$450
Day 1 Package (includes attendance on 29 February, 2016 and networking drinks)		\$250	\$300
Day 2 Package (includes attendance on 1 March, 2016 and GIWA/AGI breakfast)		\$200	\$250
*Grower rate applies for GRDC levy payers			
GIWA/AGI breakfast only (morning of 1 March, 2016)		\$70	\$70

Additional breakfast guest/s and name/s: _____

Please note any dietary requirements: _____

TOTAL

Payment Options

Credit Card Payment:

I authorise you to debit \$ _____ from my credit card

Mastercard VISA

□□□□ □□□□ □□□□ □□□□

Date of Expiry: _____ / _____ CCV: _____

Cardholder Name: _____

Signed: _____

I enclose a cheque payable to 'GIWA'

Direct deposit – please state business or surname as reference

Grain Industry Association of WA
Commonwealth Bank of Australia
BSB: 066-153 Account: 1049-2494

To assist with networking a list of delegates will be supplied upon registration
(details to include Name, Company, Phone and Email)

Please tick if you do not want your details included on a delegate list.

Please return completed form to:

Attention: Rachel Nash
GIWA, PO Box 1081, BENTLEY DC WA 6983
researchupdates@giwa.org.au
Phone: 08 6262 2128