

WAGGA WAGGA
NEW SOUTH WALES
TUESDAY 13TH AND
WEDNESDAY 14TH FEBRUARY 2018

GRAINS RESEARCH UPDATE

STRATEGIC STEPS – ENDURING PROFIT



Charles Sturt University,
Joyes Hall,
Pine Gully Road

grdc.com.au

Day 1 program

8.30 am registration for a
9.00 am start - 5.30 pm

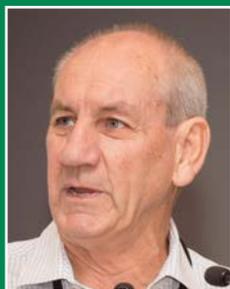
PLENARY PRESENTATIONS

The pulsating pulse – expansion of high value pulse crops

The quantity of pulses being produced is rapidly expanding. Is demand and price sustainable; will the bubble burst? This session will give an insight into the markets, new opportunities and key messages from recent global forums.

Ron has over 30 years' experience in the Australian grains and agribusiness sector, primarily in grain marketing. He knows the value chain from pre-farm gate to end consumers, both locally and internationally. Ron has run Storey Marketing Services since 2000 and developed Australian Crop Forecasters (ACF). Ron retains a consulting role to both ACF and Profarmer.

Ron is currently Chairman of Pulse Australia, and a Director of Australian Export Grains Innovation Centre (AEGIC) and Mallee Sustainable Farming Inc.



Ron Storey,
Pulse Australia

Implications of robotics and autonomous vehicles for the grains industry

Mark will outline how robotic technology currently in action could be applied to agriculture, from the farm level through to advisers.

Mark is a computer scientist and systems engineer with over 10 years' experience in developing robotic ground vehicles. Mark joined the Australian Centre for Field Robotics (ACFR) at The University of Sydney in early 2008. His role at ACFR has spanned industries including mining, defence and social robotics. Since 2012, he has focussed on developing agricultural robots and has co-designed several robotic systems.



Mark Calleija,
Australian Centre for Field Robotics

The future of the grains industry - a shared responsibility

Rohan will address key stewardship issues facing the grains industry including the management of pesticide residues, grain contamination and particularly the challenges around late glyphosate use in barley. Rohan will also share his thoughts on the importance of quality assured products for domestic and export use.

Rohan is the Director of Crop Protection Australia and has over 25 years experience in crop protection agronomy and farming systems including seven years leading the crop protection program for the Australian grains industry.



Rohan Rainbow,
Crop Protection Australia

CONCURRENT PRESENTATIONS

Boosting productivity - closing the gap between potential grain yield and the soil's plant available water capacity

Hear an overview of the research and outcomes from John's global studies into the ways to close the gap between potential grain yield and the soil's plant available water capacity (PAWC).

John Stevenson, *Nuffield Scholar*

Driving increased competitiveness in cereals

Greg will cover GRDC's investment into weed management research including crop competitiveness, crop management and new technologies. He will also outline some of the new traits he is working on in the breeding of competitive wheats.

Greg Rebetzke, *CSIRO*

Critical agronomy management points for optimal canola growth

Rohan will refine some key agronomic management strategies pertinent to optimal canola growth, such as timing of water use, N requirements by variety and frost management data.

Rohan Brill, *NSW DPI*

Nitrogen dynamics in modern cropping systems

Advanced nitrogen update – how availability and mineralisation impacts on fertiliser recommendations. Jeff will include an overview of what we know about nitrogen and current research areas.

Jeff Baldock, *CSIRO*

Getting the best from barley - agronomy update

An update on yield gains through time of sowing, manipulating canopy structure, alternative phenology patterns, N and irrigation timing and grass weed competitiveness. Are new introduced lines here to stay and do they require different management to Australian bred varieties?

Felicity Harris and David Burch, *NSW DPI*

Canola - blackleg management update

Is upper canopy blackleg infection worsening? Does it vary with variety? Are we walking a tightrope with an over-reliance on OPTTs? Also an introduction to the new blackleg app developed by the national canola pathology team.

Susie Sprague, *CSIRO*

Crown rot reduction through crop rotation and crop sequence

Best-practice management of crown rot including the latest PredictaB data.

Brad Baxter, *NSW DPI*

Inoculant survival on acid soils - latest knowledge

Ross will discuss inoculant types, their impact on legume performance, best options for dry sowing, compatibility with additives and new inoculant strains.

Ross Ballard, *SARDI*

Weather and seasonal forecasting - science or fiction?

This talk will look at previous autumn periods and how models have and haven't coped. It will also give indicators as to when autumn forecasts might be relied upon.

Dale Grey, *Agriculture Victoria*

Herbicide and weed management - latest research

John will update on herbicide resistance in NSW, highlighting differences between regions and what that means to advisers.

John Broster, *Charles Sturt University*

Mice - learning from 2017. Looking to 2018

Steve will reflect on breeding dynamics and potential carryover to 2018, bait types, effectiveness of combining with other pest baits, new research on spring baiting and potential new actives.

Steve Henry, *CSIRO*

Profitable pulses for southern NSW

You can't grow profitable pulses in southern NSW, or can you? Hear what the experts think.

Mark Richards and Kurt Lindbeck, *NSW DPI*, Peter Watt, *Elders* and Nigel Clarke, *Riverina Co-Op*

On the couch

Heard the plenary but still not satisfied? This 'on the couch' informal Q&A session provides the opportunity to go one-on-one with Ron Storey and Rohan Rainbow to flesh out their topics a little more.

Emerging research from students

Stephen Cork and Hayden Petty

COMPLIMENTARY NETWORKING DRINKS AND DINNER

Day 2 program

9.00 am to 3.15 pm

PLENARY PRESENTATIONS

How to keep yourself at peak performance

Decisions, decisions, decisions – it's a constant in every adviser's life. Some don't think twice about their recommendations whereas others will overthink and worry about an adverse result. How do you best manage this to avoid being overwhelmed and ensure you stay on top of your game? Mark will talk strategies to stay in a high performing, positive and proactive mindset while remaining empathetic to your clients' situations.



Mark McKeon
MMA TEAM Pty Ltd

Mark is the designer of the innovative and widely practiced 'Every Day Counts' and 'Go Zone' training programs. Mark's background includes 18 years in the AFL as a player and high performance coach, including five years with the Victorian State of Origin team. He is now a Director of MMA TEAM Pty Ltd, specialising in leadership development, resilience and workplace effectiveness. Mark's quality information and entertaining style have been acknowledged with numerous national and international presentations to a variety of sectors and audiences.

Herbicide resistance - where we are, where we are going and what can we do about it

There's always something new to learn in the management of weeds and Chris never fails to deliver. Hear the latest on herbicide resistance research and options for the management of the new 'problem weeds', particularly broadleaf weeds in broadleaf crops.



Chris Preston,
The University
of Adelaide

Chris is an Associate Professor of weed management at the University of Adelaide working on understanding and management of herbicide resistant weeds.

He also chairs the Australian Glyphosate Sustainability Working Group and is a former winner of GRDC's Seed of Light Award.

CONCURRENT PRESENTATIONS

Understanding the basis behind the yield gap - national paddock data

Why is there a yield gap between what growers could theoretically produce and what they actually produce? Find out what this extensive national survey has uncovered in its three years to-date.
Roger Lawes, *CSIRO*

The effects of stubble on nitrogen tie up and supply

Managing nitrogen in stubble retained systems is the balance between the initial tie-up and the ultimate release. Is this affected by the way in which stubble is managed and can it be manipulated by applying N under certain conditions. John Kirkegaard, *CSIRO*

Optimising grain yield potential of wheats - agronomy update

Hear the latest learnings on wheat agronomy including time of sowing and phenology differences of frost affected wheats.
Felicity Harris, *NSW DPI*

The status of cereal fungicide effectiveness

Management advice given the latest discoveries of fungicide resistance in Australia. Nick Poole, *FAR Australia*

Insects, resistance and control

Hear the latest on mite and aphid resistance, Russian wheat aphid population dynamics and balancing the scales on choice of insecticide.
Paul Umina, *cesar*

Refining nitrogen placement and timing for cereals

Latest data and information on where and when to best add N.
Graeme Sandra, *NSW DPI*

Detection and monitoring of cabbage aphids in dryland canola

Dustin will bring his extensive background in agricultural entomology for broad-scale grain and pasture production to this discussion on cabbage aphids, particularly how to determine the population thresholds that warrant treatment.

Dustin Severtson, *WA Department of Primary Industries and Regional Development*

Improving wheat yield in hostile soils - how soil management and improved varieties can increase productivity

Tolerance of various commercial varieties to sodic soils and strategies to manage subsoil constraints to improve productivity.
Ehsan Tavakkoli, *NSW DPI*

Improving productivity on low fertility (sandy) soils

Barry will provide an overview of the results to-date from his quite diverse research into managing sandy soils.
Barry Haskin, *Ag Grow Agronomy*

Labels and plantbacks - what you need to know going into 2018

For many NSW farmers 2017 produced lower than average rainfall until mid-spring. What plant-back issues should advisers and growers be aware of going into the 2018 cropping season?
Richard Holzknicht, *GRDC*

EVENT DETAILS



GRDC[™]
GRAINS RESEARCH
& DEVELOPMENT
CORPORATION

IMPORTANT INFORMATION

Registration options

Cost:	\$200 one-day inc. GST		\$300 two-days inc. GST
Student:	\$80 student one-day inc. GST		\$180 student two-days inc. GST
Extra proceedings:	\$60 for pick up inc. GST		\$80 posted inc. GST
Networking dinner:	\$40 inc. GST		

REGISTER HERE

Early bird registration

Early bird registration closes **12 January 2018**. Register early to go into the draw to win a free registration for the 2019 GRDC Grains Research Update in southern NSW.

Cancellation

If cancellation of your registration is necessary, please contact ORM with details. Cancellations prior to **COB 8 February 2018** will receive a full refund. **There will be no refunds for cancellations received on or after COB 8 February 2018**. Registration is transferable at any time.

Car parking

Free parking is available in Pugsley Place and along Pine Gully Road.

Catering

Food and beverages are provided throughout the day.

Accommodation

A link to accommodation options is available via the ORM website.

Program

Topics and speakers are subject to change.

The final program will be provided to registered attendees and made available via the GRDC website in January.

Industry supporters

Opportunities for industry supporters are available.
For details contact ORM.

Contact details

For enquiries, contact ORM on **03 5441 6176** or email admin@orm.com.au