

**BENDIGO
VICTORIA**

TUESDAY 27TH AND
WEDNESDAY 28TH FEBRUARY 2018

GRAINS RESEARCH UPDATE

STRATEGIC STEPS – ENDURING PROFIT



GRDC™

GRAINS RESEARCH
& DEVELOPMENT
CORPORATION

Ulumbarra Theatre,
Gaul 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

Collating and analysing small data to make big decisions. Can this improve farm productivity and profitability?

From little things big things grow - getting the small data right to generate big data. Practical uses and what we can learn from the US experience.

Terry Griffin is an Assistant Professor at the Department of Agricultural Economics, Kansas State University. His research and extension programs focus on the economics of cropping systems in general, and specifically precision agricultural technologies, big data and the automation of economic decision making tools. Current projects include farm management decision making while considering weather uncertainty, profitable automated variable rate irrigation applications, valuation of precision agriculture data and farmland values.



Terry Griffin,
Kansas State University

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 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.



Mark McKeon,
MMA TEAM Pty Ltd

CONCURRENT PRESENTATIONS

Septoria tritici update and latest developments in powdery mildew management

Get the latest facts on managing these diseases in the face of increased fungicide resistance. Nick Poole, *FAR Australia*

Pulses - technical research supporting the expansion of pulses

All the latest pulse management tips you need to know heading into a new season. Jason Brand, *Agriculture Victoria*

High rainfall wheat and barley review

Latest research on HRZ cereal agronomy including nitrogen management, sowing rate/date, late harvest head loss and plant growth regulators (PGRs). Jon Midwood and Claudia Gebert, *Southern Farming Systems*

Cereal disease update

Review of disease issues coming out of the 2017 season and strategies going into 2018; including updates on important changes to varietal resistance ratings and fungicide management strategies. Grant Hollaway, *Agriculture Victoria*

Are the Russian forces building – what are our spies telling us?

Maarten has been pursuing this pest since it was first reported in Australia during the 2016 cropping season. He will provide an overview of the last two years of field experiments; including new data on population dynamics and insecticide seed treatments. Maarten van Helden, *SARDI*

NVT Online

Tips to optimising its value. Rob Wheeler, *GRDC*

Best options for optimal performance from inoculants

Matt will discuss inoculant types, their impact on legume performance, best options for dry sowing, compatibility with additives and new inoculant strains. Matt Denton, *The University of Adelaide*

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*

Fungicide resistance - recent discoveries pave the way to better understanding of resistance mechanisms

Management advice given the latest discoveries of fungicide resistance in Australia. Katherine Zulak, *Centre for Crop and Disease Management, Curtin University*

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. Gupta Vadakattu, *CSIRO*

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. Steve Marcroft, *Marcroft Grains Pathology*

Weed warriors - update on brome grass and other emerging problem weeds

Latest research on brome grass and other emerging problem weeds plus suitability of different weed species for seed capture at harvest. Sam Kleemann, *The University of Adelaide*

Improving barley performance in the low rainfall zone

An update on yield gains through time of sowing, manipulating canopy structure and alternative phenology patterns. Linda Walters, *BCG*

Emerging research from University students:

David Cann and Sajitja Biju

COMPLIMENTARY NETWORKING DRINKS AND FINGER FOOD

Day 2 program

9.00 am to 3.00 pm

PLENARY PRESENTATIONS

The art of communicating science and recognising the 'snake oil'

Jenni is the owner/director of Econnect Communication, a science communication agency. She also lectures in science communication at the University of Rhine-Waal in Germany. Jenni's vision is to bring science to life so people can make more informed decisions about science and its role in their lives.



Jennifer Metcalfe,
*Econnect
Communication*

Whether you're a researcher or an agronomic adviser you're charged with the role of communicating science. How well you do may impact the motivation of growers to engage in practice change. Jenni will explain the art of good science communication, based on 28 years working as a science communication practitioner and researcher.

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. Get the latest survey results and discuss 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

Canola diseases - sclerotinia in the spotlight

Kurt will aim to answer why known 'hotspots' exist, sometimes in less obvious areas? Are certain climatic variables as big or bigger drivers than just rainfall? Is there or isn't there varietal differences?
Kurt Lindbeck, *NSW DPI*

Refining nitrogen placement in cereals - mid row banding

Latest data and info on where and when to best add N.
Ash Wallace, *Agriculture Victoria*

Insects, resistance and control

Hear the latest on mite and aphid resistance, and balancing the scales on choice of insecticide.
James Maino, *cesar*

Glyphosate update

If 'Oils aint Oils', does similar variation exist in glyphosate formulations? Does this impact efficacy on certain weeds? What impact does temperature have on glyphosate effectiveness?
Peter Boutsalis, *The University of Adelaide*

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*

Agricultural machine technology – practical uses now and into the future

How long before drones and autonomous machines do something useful? What is deep-learning and where is that technology heading?
Steven Rees, *The University of Southern Queensland*

Mice - learning from 2017. Looking to 2018

What have we learnt from our 2017 experience? Peter 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.
Peter Brown, *CSIRO*

Canola harvest management - new data busts myths

Direct heading and windrowing – catch up on the latest thinking, including Podguard™ trait technology trials and changes to windrow timing.
Maurie Street, *Grain Orana Alliance*

Filling the yield gap - optimising yield and economic potential of high input cropping systems in the high rainfall zone

Why are wheat and canola yields only 30% – 50% of their estimated potential? How do we reduce the yield gap?
Malcolm McCaskill, *Agriculture Victoria*

Achieving the best blend of HWSC methods for your situation

It's time to take stock - as windrow burning loses favour how do chaff-lines and chaff-decks stack-up? What are the pros and cons that advisers need to be aware of? What impact will stripper fronts have on harvest weed seed control (HWSC)?
Greg Condon, *Grassroots Agronomy, AHRI*

EVENT DETAILS



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IMPORTANT INFORMATION

Registration options

Cost:	\$245 one-day inc. GST		\$345 two-days inc. GST
Student:	\$80 student one-day inc. GST		\$150 student two-days inc. GST
Extra proceedings:	\$60 for pick up inc. GST		\$80 posted inc. GST

REGISTER HERE

Early bird registration

Early bird registration closes **25 January 2018**. Register early to go into the draw to win a free registration for the 2019 GRDC Grains Research Update in Victoria.

Cancellation

If cancellation of your registration is necessary, please contact ORM with details. Cancellations prior to **21 February 2018** will receive a full refund. **There will be no refunds for cancellations received on or after 21 February 2018**. Registration is transferable at any time.

Car parking

All day parking vouchers for designated car parks will be available to registered attendees.

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