

BENDIGO  
VICTORIA  
TUESDAY 21ST AND  
WEDNESDAY 22ND  
FEBRUARY 2023

# GRAINS RESEARCH UPDATE



Ulumbarra Theatre,  
Bendigo

# Day 1 program

8.15 am registration for a 9.00 am start - 5.20 pm

## LIVESTREAM AVAILABLE

The main auditorium program will be available via a free livestream.

## PLENARY PRESENTATIONS

### Classification – a pathway to market success

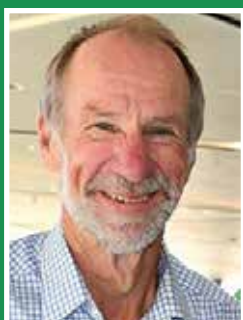
Grains Australia designs, maintains, and implements varietal classification methods to build value by aligning classification with market demands and opportunities. Megan will update on recent developments in malting barley, wheat quality and pulse classification projects.



**Megan Sheehy,**  
*Grains Australia*

### Revisiting the levers to maximise wheat yield – an international perspective

What advances in crop nutrition, weed control, seeding systems, crop varieties and other management practices have increased yields or efficiency of inputs? Allan reports on his recent interactions in the UK, Germany and New Zealand. Re-assessing practices and advances that could be used in Australia to improve grain yields in higher yielding environments.



**Allan Mayfield,**  
*Allan Mayfield Consulting*

### Maintaining a healthy mindset under pressure

Growers and advisors have felt relentlessly 'pummelled' over the last 12 months with constant, unexpected disruption. Numerous factors and conditions combined to trigger stress and anxiety about the ultimate performance and fate of crops and livelihoods. Kim will provide some practical tips about how we maintain a healthy mindset under pressure.



**Kim Huckerby,**  
*The Wellbeing Affect*

## CONCURRENT PRESENTATIONS

### Integrating new herbicides into the rotation

Piece together the herbicide puzzle by discovering where new herbicide formulations best fit within the rotation. Chris provides key insights on applying a strategic approach when managing new herbicide formulations. Chris Davey, *YP AG*

### Combatting Septoria, rust and other battles

Septoria and rust have proven to be a challenge this season. Grant explains how widespread use of flutriafol combined with strategic varietal selection can be the key to minimising significant losses. Grant Hollaway, *Agriculture Victoria*

### Emerging research on PGRs in high yielding environments and the photothermal quotient

Kenton identifies key strategies to unlock the potential of cereal crops within high rainfall environments. Discover how photo thermal quotient and plant growth regulators can be leveraged to maximise yield. Kenton Porker, *CSIRO*

### Emerging powdery mildew challenges

Powdery mildew is an ongoing challenge for wheat growers, particularly over the last two years. With fungicide resistance on the rise there is a need to ensure that you have the right management strategy in place. Join Sam to learn how to effectively manage powdery mildew resistance on farm. Sam Trengove, *Trengove Consulting*

### A seasonal update on the hyper yielding crops project

Unlock the potential of your cereal crops by capitalising on a great season. Darcy provides insights into the key agronomic levers that are shattering the glass ceiling of cereal yields in hyper yielding environments. Darcy Warren, *FAR Australia*

### Guidelines for batching and mixing new chemistry

It's time to troubleshoot common issues around batching, mixing and nozzle technology. Andrew provides key learnings from the GRDC batching and mixing guide while touching on the challenges being faced with new chemistry. Andrew Hewitt, *University of Queensland*

### The agronomics of pulses, implications of new varieties and herbicide tolerance traits

Close the yield gap for your pulse crops this season by exploring new varieties and herbicide tolerance traits on the horizon. Jason highlights the importance of herbicide selection in pulses and opportunities presented by new varietal traits. Jason Brand, *Agriculture Victoria*

### Canola disease management

Tackle canola disease management head on this season. Steve and Kurt provide an update on the current state of canola disease resistance and the role of an integrated disease management strategy in achieving effective control. Steve Marcroft, *Marcroft Grains Pathology* and Kurt Lindbeck, *NSW DPI*

### Testing the N bank theory across varying soil types

Discover how the N bank theory can be applied across a variety of soil types and its implications for nitrogen management this season. James provides key take home messages from local trials. James Hunt, *University of Melbourne*

### Tailoring subsoil amelioration to paddock zones

Soil amelioration is a substantial upfront investment for farm businesses. Daniel investigates cost efficient soil amelioration by utilising paddock spatial data. Daniel Hendrie, *Agriculture Victoria*

**Networking drinks and food in the trade display area courtesy of AGT 5.20 pm – 6.55 pm**

# Day 2 program

9.00 am to 3.10 pm

## PLENARY PRESENTATIONS

### Can we survive without glyphosate? Lessons learned from Europe, Canada and Argentina



Harm van Rees,  
*Cropfacts*

Glyphosate has been the backbone of minimum and no-till farming systems for over half a century. Harm's presentation explores the impacts of a scenario without glyphosate and how a looming possible ban in the EU will impact upon grain producing countries and the world.

### The impact of soil characteristics and environmental factors on Reflex® and Overwatch® efficacy



Mark Congreve,  
*ICAN*

Delve into how new pre-emergent herbicide formulations are impacted by soil characteristics and the surrounding environment. Mark places Reflex® and Overwatch® under the microscope by tackling common challenges faced by growers.

Barista coffee cart courtesy of  
**ADAMA**

## CONCURRENT PRESENTATIONS

### Novel seed traits – an update on recent R & D

Add a few new varietal tools to the toolbox as Greg provides a showcase of varietal traits on the horizon. Discover the newfound opportunities for early sowing that are emerging from novel seed traits. **Greg Rebetzke, CSIRO**

### A resistance update on broadleaf weeds

Explore the current state of resistance for hard to control broadleaf weeds. Peter provides an update on the current state of broadleaf weed resistance and emerging problem weeds on the horizon. **Peter Boutsalis, Plant Science Consulting**

### Pulse disease wrap and fungicide resistance status

Pulse diseases have been a challenge for growers in the 2022 season. Hear Josh's review and outlook for pulse diseases, including an update on the status of resistance, based on recent work with the Australian Fungicide Resistance Extension Network (AFREN). **Josh Fanning, Agriculture Victoria**

### The development of a more effective zinc phosphide mouse bait

With mice resurfacing as an issue, many are wondering how to receive the best bang for their buck. Are the double strength baits worth the money? Steve provides practical information to maximise the impacts of bait. **Steve Henry, CSIRO**

### Key outputs from the frost learning centre

The impacts of frost are worsening for growers in the southern regions of Australia. Mick will provide insights into how phenology, dual purpose cereals, agronomics and ice nucleation impact upon the economic constraints faced by growers. **Mick Faulkner, Agrilink**

### Amelioration of sandy soils - the key profit levers

The levers for profit when ameliorating sandy soils are unveiled. Therese explains how to best tackle sandy soil amelioration by having a deeper understanding of the constraint being managed from a whole farm perspective. **Therese McBeath, CSIRO**

### Soil amelioration - where will it pay dividends?

A run of high yielding seasons combined with rising land prices has placed soil amelioration in the spotlight. Roger will provide a synthesis with over 5 years of data spanning across 70 long term monitoring trials. **Roger Armstrong, Agriculture Victoria**

### Benchmarking attitudes to pest management and results of IPM demonstrations on RLEM control

Current agronomist and grower attitudes to pest management are revealed for the industry. Paul explains how insights from IPM demonstrations can minimise unintended impacts of traditional chemical-based control strategies. **Paul Umuna, CESAR**

### Effectively mitigating yield losses following waterlogging

Don't let waterlogging sink your crop this season. Greta dives into the agronomic challenges of waterlogged crops and the potential impacts on soil health. **Greta Duff, Southern Farming Systems**

### Reducing reliance on artificial fertilisers

Farming systems are becoming increasingly dependent on artificial fertilisers. Therese quantifies the production, economic and environmental impacts of different fertiliser options to close the yield gap in Australia. **Therese McBeath, CSIRO**

# EVENT DETAILS



## IMPORTANT INFORMATION

### Registration options

<b>Cost:</b>	<b>\$130</b> one-day inc. GST	<b>\$200</b> two-days inc. GST
<b>Student:</b>	<b>\$80</b> one-day inc. GST	<b>\$120</b> two-days inc. GST
<b>Extra proceedings:</b>	<b>\$60</b> for pick up inc. GST	<b>\$80</b> posted inc. GST

**Main auditorium livestream - Free**

**Click here to register and pay online**

---

### Cancellation

Cancellations prior to **18 February 2023** will receive a full refund. **There will be no refunds for cancellations received on or after this date.** Registration is transferable at any time, contact ORM.

---

### Car parking

Parking is available nearby.

---

### Catering

Food and beverages are provided throughout the day.

---

### Accommodation

A list of accommodation options is available via the [www.orm.com.au](http://www.orm.com.au) 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 February 2023.

---

### Industry supporters

Opportunities for industry supporters are available. For details contact [bev@orm.com.au](mailto:bev@orm.com.au)

---

### Contact details

For enquiries, contact ORM Pty Ltd on **03 5441 6176** or email [admin@orm.com.au](mailto:admin@orm.com.au)