

# 2023 ADELAIDE GRAINS RESEARCH UPDATE



## PROGRAM DAY 1 - FEBRUARY 7th

- 8:15 am **Registrations**
- 9:00 am **Welcome to country**
- 9:10 am **GRDC opening address**
- 9:20 am **Can our farming systems meet the global challenges of climate change, food security and sustainability?** *Andrew Barr, Grain grower, Pinery SA*
- 9:50 am **Revisiting the levers to maximise wheat yield - an international perspective** *Allan Mayfield, Allan Mayfield Consulting*
- 10:20 am **GRDC Awards Presentation**
- 10:30 am **Morning tea**

### CONCURRENT SESSIONS (40 minutes including time for room change)

	Hall C	Room E1	Room E2	Room E3
11:00 am	<b>Powdery mildew management update</b> <i>Sam Trengove, Trengove Consulting and Tara Garrard, SARDI</i>	<b>Novel seed traits – An update on recent R &amp; D</b> <i>Greg Rebetzke, CSIRO</i>	<b>Soil Water Now – Useful tools for measuring soil water</b> <i>Tom Bishop, University of Sydney</i>	<b>Deep P placement, nutrition on calcareous soils and potassium response</b> <i>Nigel Wilhelm, SARDI</i>
11:35 am	<b>Optimising canola in diverse environments with phenology</b> <i>Chris Helliwell, CSIRO</i>	<b>Amelioration of sandy soils – the key profit levers</b> <i>Therese McBeath, CSIRO</i>	<b>Implications of the new cultivar phenology classification</b> <i>Corinne Celestina, University of Melbourne</i>	<b>Integrating new herbicides into the rotation.</b> <i>Chris Davey WeedSmart, YPAG Agriservices</i>
12:15 pm	<b>Deep P placement, nutrition on calcareous soils and potassium response</b> <i>Nigel Wilhelm, SARDI</i>	<b>Effective management of Septoria &amp; stripe rust</b> <i>Tara Garrard, SARDI</i>	<b>Benchmarking attitudes to pest management and results of IPM demos on RLEM control</b> <i>Lizzy Lowe, CESAR</i>	<b>Broadleaf weed control and crop safety in lentils</b> <i>Jordan Bruce, Trengove Consulting &amp; Navneet Aggarwal, SARDI</i>
12:55 pm	<b>LUNCH</b>			
1:55 pm	<b>A resistance update on broadleaf weeds</b> <i>Peter Boutsalis, Plant Science Consulting</i>	<b>Novel seed traits – An update on recent R &amp; D</b> <i>Greg Rebetzke, CSIRO</i>	<b>Effective management of Septoria &amp; stripe rust</b> <i>Tara Garrard, SARDI</i>	<b>Broadleaf weed control and crop safety in lentils</b> <i>Jordan Bruce, Trengove Consulting &amp; Navneet Aggarwal SARDI</i>
2:35 pm	<b>Amelioration of sandy soils – the key profit levers</b> <i>Therese McBeath, CSIRO</i>	<b>Optimising canola in diverse environments with phenology</b> <i>Chris Helliwell, CSIRO</i>	<b>Powdery mildew management update</b> <i>Sam Trengove, Trengove Consulting and Tara Garrard, SARDI</i>	<b>Integrating new herbicides into the rotation.</b> <i>Chris Davey WeedSmart, YPAG Agriservices</i>
3:15 pm	<b>Disease Panel Q&amp;A session,</b> <i>Sam Trengove, Robert Park, Fran Lopez, Sara Blake and Darren Pech</i>	<b>Benchmarking attitudes to pest management and results of IPM demos on RLEM control</b> <i>Lizzy Lowe, CESAR</i>	<b>A resistance update on broadleaf weeds</b> <i>Peter Boutsalis, Plant Science Consulting</i>	<b>Soil Water Now – Useful tools for measuring soil water</b> <i>Tom Bishop, University of Sydney</i>

## Day 1 continued ...

### 3:55 pm AFTERNOON TEA

4:25 pm **Developing a ecotoxicologically based index for fertiliser toxicity**

*Jacinta Dockerill, PHD Candidate*

4:35 pm **New era of agtech: Bringing open source solutions to farmers**

*Andrew Sargent, Nuffield Scholar*

4:45 pm **Progress with market driven grain classification systems**

*Megan Sheehy, Grains Australia*

5:10 pm **Wrap, Close introduce networking session**

5:15 pm **DRINKS & FINGER FOOD IN TRADE DISPLAY AREA**

## PROGRAM DAY 2 - FEBRUARY 8th

### 8:15 am REGISTRATIONS

	Hall C	Room E1	Room E2	Room E3
9:00 am	<b>Emerging research on PGRs in high yielding environments and the photo thermal quotient.</b> <i>Kenton Porker, CSIRO</i>	<b>Fungicide resistance update in cereals</b> <i>Fran Lopez, Centre for Crop Disease Management (CCDM)</i>	<b>Frost mitigation in pulses and early sowing opportunities for lentils and faba beans</b> <i>Penny Roberts, SARDI</i>	<b>Key messages &amp; outputs from the frost learning centre</b> <i>Mick Faulkner, Agrilink Agricultural Consultants</i>
9:40 am	<b>Soil amelioration – where will it pay dividends?</b> <i>Roger Armstrong, Agriculture Victoria</i>	<b>An update on the current rust situation in cereals</b> <i>Robert Park, University of Sydney</i>	<b>Pulse disease wrap</b> <i>Sara Blake, SARDI</i>	<b>Reducing reliance on artificial fertilisers</b> <i>Bonnie Flohr, CSIRO</i>

### 10:20 am MORNING TEA

10:50 am	<b>Pulse disease wrap</b> <i>Sara Blake, SARDI</i>	<b>Northern insights for the control of feather top rhodes grass.</b> <i>Mark Congreve, ICAN</i>	<b>The effects of Zinc phosphide on mouse control</b> <i>Steve Henry, CSIRO</i>	<b>Frost mitigation in pulses and early sowing opportunities for lentils and faba beans</b> <i>Penny Roberts, SARDI</i>
11:30 pm	<b>An update on the current rust situation in cereals</b> <i>Robert Park, University of Sydney</i>	<b>Soil amelioration – where will it pay dividends?</b> <i>Roger Armstrong, Agriculture Victoria</i>	<b>Fungicide resistance update in cereals</b> <i>Fran Lopez, Centre for Crop Disease Management (CCDM)</i>	<b>Reducing reliance on artificial fertilisers</b> <i>Bonnie Flohr, CSIRO</i>
12:10 pm	<b>The effects of Zinc phosphide on mouse control</b> <i>Steve Henry, CSIRO</i>	<b>Emerging research on PGRs in high yielding environments and the photo thermal quotient.</b> <i>Kenton Porker, CSIRO</i>	<b>Key messages &amp; outputs from the frost learning centre</b> <i>Mick Faulkner, Agrilink Agricultural Consultants</i>	<b>The mechanics of high – performance inclusion ripping</b> <i>Chris Saunders, University of South Australia</i>

### 12:50 pm LUNCH

#### PLENARY SESSION :

1:30 pm **Could we survive without glyphosate? Lessons learned from Europe, Canada and Argentina** *Harm van Rees, Cropfacts*

2:10 pm **The impact of soil characteristics and environmental factors on Reflex and Overwatch efficacy** *Mark Congreve, ICAN*

### 2:50 pm CLOSE