

# GRAINS RESEARCH UPDATE

# 2025



## PROGRAM DAY 1 – FEBRUARY 25

<b>8.55am</b>	Welcome to Country	
<b>9.05am</b>	GRDC Opening	<i>Stephen Loss, GRDC</i>
<b>9.25am</b>	Community trust in food production	<i>Courtney Bailey, Voconiq</i>
<b>9.55am</b>	On-farm greenhouse gas emissions, why advisors should know about them	<i>Cam Nicholson, Nicon Rural Services and Tim McClelland, Grower</i>
<b>10.25am</b>	GRDC Awards Presentation	
<b>10:30am</b>	Morning tea with barista made coffee sponsored by ADAMA	

### CONCURRENT SESSIONS

LOCATION	AUDITORIUM	DANCE STUDIO	STRATEGEM STUDIO	MULTI PURPOSE ROOM
<b>11.00am</b>	An update on nitrogen banking in a dry season <i>James Hunt, University of Melbourne</i>	Developing recommendations for controlling mice at varying crop stages <i>Steve Henry, CSIRO</i>	Strategies for managing Feathertop Rhodes Grass <i>Hanwen Wu, NSW DPI</i>	Unlocking yield potential in challenging seasons: maximising rainfall conversion to grain <i>Kenton Porker, CSIRO</i>
<b>11.40am</b>	Metribuzin and imi tolerance in lentils <i>Jason Brand, Frontier Farming Systems</i>	Maximising the uptake of phosphorus by crops to optimise profit in central and southern NSW, Victoria and South Australia <i>Katherine Dunsford, Agriculture Victoria</i>	A 2024 update on pulse diseases <i>Josh Fanning and Chloe Findlay, Agriculture Victoria</i>	Digging Deeper: enhanced efficiency fertilisers <i>Helen Suter, University of Melbourne</i>
<b>12.20pm</b>	The performance of residual phosphorus, results from 3 years of trials <i>Sam Trengove, Trengove Consulting</i>	Redefining flowering times of wheat and barley for future climates <i>Felicity Harris, Charles Sturt University</i>	Developing recommendations for controlling mice at varying crop stages <i>Steve Henry, CSIRO</i>	Digging Deeper: valuing plant and soil testing information for agronomic decisions <i>Rick Llewellyn, CSIRO</i>
<b>12.55pm</b>	Lunch			
<b>1.55pm</b>	A 2024 update on pulse diseases <i>Josh Fanning and Chloe Findlay, Agriculture Victoria</i>	Can agronomic management improve soil carbon and nitrogen stocks? <i>Roger Armstrong, Agriculture Victoria</i>	Cereal disease resistance update <i>Hari Dadu, Agriculture Victoria</i>	Strategies for managing Feathertop Rhodes Grass <i>Hanwen Wu, NSW DPI</i>
<b>2.35pm</b>	Unlocking yield potential in challenging seasons: maximising rainfall conversion to grain <i>Kenton Porker, CSIRO</i>	An update on nitrogen banking in a dry season <i>James Hunt, University of Melbourne</i>	Maximising the uptake of phosphorus by crops to optimise profit in central and southern NSW, Victoria and South Australia <i>Katherine Dunsford, Agriculture Victoria</i>	Metribuzin and imi tolerance in lentils <i>Jason Brand, Frontier Farming Systems</i>
<b>3.15pm</b>	Can agronomic management improve soil carbon and nitrogen stocks in medium and low rainfall cropping systems? <i>Roger Armstrong, Agriculture Victoria</i>	The performance of residual phosphorus, results from 3 years of trials <i>Sam Trengove, Trengove Consulting</i>	Cereal disease resistance update <i>Hari Dadu, Agriculture Victoria</i>	Redefining flowering times of wheat and barley for future climates <i>Felicity Harris, Charles Sturt University</i>
<b>3.50pm</b>	Afternoon tea			
<b>4.20pm</b>	Fungicide resistance in Blackleg disease in canola		<i>Alec McCallum, University of Melbourne</i>	
<b>4.30pm</b>	Molecular dissection of barley head loss		<i>Nirmal Raj Rajendran, University of Melbourne</i>	
<b>4.40pm</b>	Deeper understanding of nitrogen cycling and losses		<i>Rob Norton, Norton Agronomic</i>	
	Drinks and finger food sponsored by AGT			

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## PROGRAM DAY 2 – FEBRUARY 26

### CONCURRENT SESSIONS

LOCATION	AUDITORIUM	DANCE STUDIO	STRATEGEM STUDIO	MULTI PURPOSE ROOM
<b>9.00am</b>	Nutrition management for high rainfall crops at risk of waterlogging <i>Malcolm McCaskill, Agriculture Victoria</i>	Oat agronomic fundamentals <i>Aidan McGrath, Dodshun Medlin</i>	Slug communities: response to environment and management across southern Australia. <i>Michael Nash, What Bugs You</i>	Crop flowering calculator, an online tool to optimise sowing date for wheat, barley and canola <i>Jeremy Whish, CSIRO</i>
<b>9.40am</b>	Persistence of residual herbicides and impact on crops <i>Michael Rose, Southern Cross University</i>	Digital strategies for nitrogen management in grain production systems <i>Jonathan Richetti, CSIRO</i>	Nozzle selection and key learnings from Canadian farms <i>Tom Wolf, Agrimetrix Research and Training</i>	Toxicity on beneficial insects and opportunities for parasitoid wasp control of aphids <i>Lilia Jenkins, CESAR</i>
<b>10.20am</b>	<b>Morning tea with barista made coffee sponsored by ADAMA</b>			
<b>10.50am</b>	Pulse physiology, phenology and productivity <i>Lachlan Lake, SARDI</i>	Nutrition management for high rainfall crops at risk of waterlogging <i>Malcolm McCaskill, Agriculture Victoria</i>	Digital strategies for nitrogen management in grain production systems <i>Jonathan Richetti, CSIRO</i>	Nozzle selection and key learnings from Canadian farms <i>Tom Wolf, Agrimetrix Research and Training</i>
<b>11.30am</b>	Toxicity on beneficial insects and opportunities for parasitoid wasp control of aphids <i>Lilia Jenkins, CESAR</i>	Constraint mapping and now-casting of plant available water (PAW) <i>Thomas Bishop and Jie Wang, University of Sydney</i>	Oat agronomic fundamentals <i>Aidan McGrath, Dodshun Medlin</i>	Slug communities: response to environment and management across southern Australia. <i>Michael Nash, What Bugs You</i>
<b>12.10pm</b>	Crop flowering calculator, an online tool to optimise sowing date for wheat, barley and canola <i>Jeremy Whish, CSIRO</i>	Pulse physiology, phenology and productivity <i>Lachlan Lake, SARDI</i>	Mapping of retrospective frost damage to pinpoint frost impact <i>Si Yang Han, University of Sydney</i>	Persistence of residual herbicides and impact on crops <i>Michael Rose, Southern Cross University</i>
<b>12.50pm</b>	<b>Lunch</b>			
	<b>PLENARY SESSION:</b>			
<b>1.30pm</b>	Is artificial intelligence helping grow more grain? A perspective on AI applied to agriculture.		<i>Jonathan Richetti, CSIRO</i>	
<b>2.10pm</b>	Advances in spray technology and management in North American farming systems		<i>Tom Wolf, Agrimetrix Research and Training</i>	
<b>2.50pm</b>	Close			