

GRAINS RESEARCH UPDATE

2025



PROGRAM DAY 1 – FEBRUARY 25

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

CONCURRENT SESSIONS

LOCATION	AUDITORIUM	DANCE STUDIO	STRATEGEM STUDIO	MULTI PURPOSE ROOM
11.00am	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 Parker, CSIRO</i>
11.40am	Digging Deeper: enhanced efficiency fertilisers <i>Helen Suter, 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>	A 2025 update on pulse diseases <i>Josh Fanning and Chloe Findlay, Agriculture Victoria</i>
12.20pm	Digging Deeper: valuing plant and soil testing information for agronomic decisions <i>Rick Llewellyn, CSIRO</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>	The performance of residual phosphorus, results from 3 years of trials <i>Sam Trengove, Trengove Consulting</i>
12.55pm	Lunch			
1.55pm	A 2025 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>
2.35pm	Unlocking yield potential in challenging seasons: maximising rainfall conversion to grain <i>Kenton Parker, 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>
3.15pm	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>	Redefining flowering times of wheat and barley for future climates <i>Felicity Harris, Charles Sturt University</i>	Cereal disease resistance update <i>Hari Dadu, Agriculture Victoria</i>
3.50pm	Afternoon tea			
4.20pm	Fungicide resistance in Blackleg disease in canola		<i>Alec McCallum, University of Melbourne</i>	
4.30pm	Molecular dissection of barley head loss		<i>Nirmal Rajendran, University of Melbourne</i>	
4.40pm	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
9.00am	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>	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>
9.40am	Persistence of residual herbicides and impact on crops <i>Michael Rose, Southern Cross University</i>	Pulse physiology, phenology and productivity <i>Lachlan Lake, SARDI</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>
10.20am	Morning tea with barista made coffee sponsored by ADAMA			
10.50am	Oat agronomic fundamentals <i>Garren Knell, ConsultAg</i>	Nutrition management for high rainfall crops at risk of waterlogging <i>Malcolm McCaskill, Agriculture Victoria</i>	Pulse physiology, phenology and productivity <i>Lachlan Lake, SARDI</i>	Nozzle selection and key learnings from Canadian farms <i>Tom Wolf, Agrimetrix Research and Training</i>
11.30am	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>	Digital strategies for nitrogen management in grain production systems <i>Jonathan Richetti, CSIRO</i>	Slug communities: response to environment and management across southern Australia. <i>Michael Nash, What Bugs You</i>
12.10pm	Crop flowering calculator, an online tool to optimise sowing date for wheat, barley and canola <i>Jeremy Whish, CSIRO</i>	Mapping of retrospective frost damage to pinpoint frost impact <i>Si Yang Han, University of Sydney</i>	Oat agronomic fundamentals <i>Garren Knell, ConsultAg</i>	Persistence of residual herbicides and impact on crops <i>Michael Rose, Southern Cross University</i>
12.50pm	Lunch			
	PLENARY SESSION:			
1.30pm	Is artificial intelligence helping grow more grain? A perspective on AI applied to agriculture.		<i>Jonathan Richetti, CSIRO</i>	
2.10pm	Advances in spray technology and management in North American farming systems		<i>Tom Wolf, Agrimetrix Research and Training</i>	
2.50pm	Close			