



# 2025 Australian Summer Grains Conference



## DRAFT PROGRAM

SUNDAY 6 <sup>TH</sup> JULY 2025	
1200-1700	<b>Golf</b>
MONDAY 7 <sup>TH</sup> JULY 2025	
0830-1800	<b>Registration</b>
0900-1300	Young Leaders Forum Norfolk Hall Sponsored by Elders
1300-1330	<b>Lunch</b>
1330-1510	<b>Opening Plenary</b> Monarch & Marquis Sponsored by Elders
1330-1340	Opening Maree Crawford
1340-1410	Megatrends affecting Australian Farmers Mark Allison
1410-1440	Overcoming challenges of farming in 21 <sup>ST</sup> Century Grower Panel
1440-1500	AgCarE: Leveraging Emerging Technology to Enhance Farm Sustainability and Resilience Michael Guerin
1500-1510	Mort & Co Product Launch
1510-1540	<b>Afternoon Tea</b>
1540 - 1800	<b>Plenary 2</b> Monarch & Marquis Sponsored by GRDC
1540-1550	Corteva Product Launch
1550-1610	Ag in 2030
1610-1650	Industry Panel
1650-1710	Future of chemistry in Ag
1710-1740	Generational Women in Agriculture Sarah & Emma Coggan
1740-1800	GRDC Update Rebecca Raymond
1800-2000	<b>Welcome Reception</b>

## TUESDAY 8<sup>th</sup> July 2025

0730	<b>Registration</b>			
0830 - 1040	<b>Plenary 3</b>			<b>Marquis &amp; Monarch Room</b>
0830-0840	Welcome by Hon Tony Perrett MP, QLD Minister DPI			
0840-0925	Future Outlook: Geopolitics, AI and demographics impacting Australian Summer Grains			Simon Kuestenmacher
0925-1010	Enhancing Agribusiness through AI" a live demo			Julian Moore
1010-1040	Global drivers of the Grain and Oilseed Trade: Navigation geopolitical shifts			Andrew Whitelaw
1040-1110	<b>Morning Tea</b>			<b>Sponsored by</b>
Concurrent	<i>Room: Marquis Room</i> <i>Stream: Mungbean</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Room: Monarch</i> <i>Stream: Maize</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Room: Prince Room</i> <i>Stream: Carbon &amp; Economics</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	
1110-1130	Flying high with new Australian mungbean varieties Brolga and Kookaburra <b>Merrill Ryan</b>	South Korean maize grain export market <b>UnHwan Yum</b>	Carbon Insetting for Grains: A Practical Approach to Sustainable Profitability <b>Will Onus</b>	
1130-1150	Soil diseases in mungbeans and where we go from there <b>Prue Bottomley &amp; Paul McIntosh</b>	The Maize Industry in Australia: Current Landscape and Future Opportunities <b>Andrew Whitelaw</b>	Impact of mung bean residue management methods and rainfall pulses on greenhouse gas emissions in no-till agriculture <b>Biswaranjan Behera</b>	
1150-1210	Demystifying Chemical residues and MRLs <b>Jenna Garwood</b>	Panel Discussion: Opportunities and marketing challengers for the Australian Maize Industry <b>Mr Yum (uh Yum), from Dongil Grain, South Korea</b> <b>Andrew Cogswell, Lachlan Commodities</b> <b>Ian Hamono, Grower, Northern Victoria</b> <b>Anthony Furse, Robinson Grain</b>	Scaling up anaerobic digestion for biomethane and the potential role of maize and other crops <b>Michael V Davis</b>	
1210-1230	Nitrogen and Mungbean success with better Inoculation. <b>Paul McIntosh</b>	Panel Discussion: How do Maize Growers across Australia address issues that affect the industry to achieve the greatest return <b>Ian Hamono, Grower, Northern Victoria</b> <b>Paul Lavis, Highest maize crop yield 2024</b>	Navigating the emerging natural capital landscape: considerations for Australian grain growers <b>Rebecca Hurst</b>	
1230-1330	<b>Lunch</b>			<b>Sponsored by</b>
Concurrent	<i>Stream: Soy</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Stream: Biosecurity</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Stream: Enhanced Agriculture</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Stream: Sunflower &amp; Alternate Crop</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>
1330-1350	Soy Australia - Strategic Plan 2025 <b>Simon Crane</b>	Advances in Biological Control used to suppress damaging pests in Canola and Corn <b>Steve Madden</b>	The Cool Soil Initiative - Solving supply chain reporting through a farmer-focused framework <b>Cassandra Scheffe</b>	Damage potential of major stored products pests for postharvest sesame and possible management options <b>Manoj Nayak</b>

1350-1410	Soybean - Breeding Program Update <b>Anh Tung Pahm</b>	Automated monitoring of fall armyworm natural enemies in summer grain crops <b>Alison McCarthy</b>	Summer Grains and Carbon <b>Liz King</b>	Heavy metal uptake and translocation by <i>Helianthus annuus L.</i> during phytoextraction of HMs from different waste <b>Tania Rani</b>
1410-1430	Unveiling insights into drought-tolerant responses in soybean: a data-driven pipeline for feature engineering in biomarker discovery <b>Pei-Hsiu (Edward) Kao</b>	An Australian Endemic Fungus, <i>Metarhizium rileyi</i> as an effective biopesticide for managing Fall Armyworm ( <i>Spodoptera frugiperda</i> ). <b>Ian Newton</b>		Regenerative agriculture: Understanding the intent, practices, challenges and benefits of farming systems inclusive of Sunflowers <b>Kellie St John Sweeting</b>
1430-1450	Transforming Challenges into Sustainable Farm Profitability <b>Neil Halpin</b>		Improving personal cropping decisions with ARMonline and adult learning principles <b>Andrew Zull</b>	Sunflowers – what is the right row spacing and plant population? <b>Loretta Serafin</b>
1450-1530	<b>Afternoon Tea</b>			<b>Sponsored by:</b>
Concurrent	<i>Stream: Farming Systems</i> <b>Sponsor:</b> <b>Session Chair:</b> <b>Room Monitor:</b>	<i>Stream: Sorghum Physiology</i> <b>Sponsor:</b> <b>Session Chair:</b> <b>Room Monitor:</b>	<i>Stream: Economics &amp; Innovation</i> <b>Sponsor:</b> <b>Session Chair:</b> <b>Room Monitor:</b>	<i>Stream: Agronomy</i> <b>Sponsor:</b> <b>Session Chair:</b> <b>Room Monitor:</b>
1530-1550	Prospects of Integrating Peanut in Australian Summer Grains Farming Systems <b>Surya Bhattaria</b>	Pathways to Prosperity: Unlocking Plant Potential <b>Alex Wu</b>	A market landscape 101 on U.S. sorghum. <b>Sarah Sexton-Bowser</b>	Predicting the impact of residual herbicides on establishment and yield <b>Mark Congreve</b>
1550-1610	Quantifying economic impacts of feral pigs in Summer Grains <b>Tony Lockrey</b>	The plasticity of root traits and their effects on crop yield and yield stability <b>Dongxue Zhao</b>	Lessons in farming systems economic adaptability from a decade of trials <b>James Hagan</b>	Managing Moisture in Australian Summer Crops – Harvest to Processing <b>Andrew Kotzur</b>
1610-1630	Mechanised Grain Production of Pigeonpea in Australia <b>Yash Chauhan</b>	Understanding and modelling leaf gas-exchange traits for supporting drought adaptation in sorghum <b>Xia Jin</b>	Innovation on Farm <b>TBC</b>	“The latest information on Herbicide resistance issues and progress” <b>Paul McIntosh</b>
1630-1650	Field trials confirm the potential of pigeonpea as a new summer pulse crop <b>Bruce Winter</b>	Yield gap analysis for rainfed sorghum in the United States <b>Sarah Sexton-Bowser</b>	Circular Economy on Farm <b>Charlie Mort</b>	Advances in high-throughput functional root phenotyping in the field: Implications for breeding and agronomy <b>Dongxue Zhao</b>
1700	<b>Maize Association AGM</b>			<b>Prince Room</b>
1800-2000	<b>NETWORKING FUNCTION</b>			

## WEDNESDAY 9<sup>th</sup> July 2025

Plenary 4		Maquis & Monarch		
0830-0900	Implications of climate change for the Australian summer grains industries	<b>Mark Howden</b>		
0900-0930	Dynamic Constraints - Optimizing Productivity and Resilience in Water-limited Agricultural Systems	<b>Sarah Sexton-Bowser</b>		
0930-1000	The role of new technologies and innovation in reducing emissions from Australian agriculture	<b>Richard Heath</b>		
1000-1030	<b>Morning Tea</b>		<b>Sponsored by</b>	
<b>Concurrent Sessions</b>	<i>Room: Marquis Room</i> <i>Stream: Sorghum/Mungbean</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Room: Monarch Room</i> <i>Stream: Maize Agronomy</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Room: Prince Room</i> <i>Stream: Sorghum Breeding</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	
	1030-1050	Getting wild with bradys <b>Mandy Christopher</b>	Optimising nitrogen application for Maize production in a continuous maize silage - annual ryegrass cropping system <b>Rowland Tsimba</b>	
	1050-1110	Phenotyping tan spot across mungbean cultivars for disease severity and pathogen load <b>Noel L Knight</b>	Australian economic management thresholds for Fall Armyworm in maize (rainfed and irrigated): crop loss and dynamic threshold tool. <b>Joseph X Eyre</b>	
	1110-1130	New Genomic Resources in the Australian Grains Genebank: Delivering Transformative Impact to the Australian Grains Industry. <b>Sally Norton</b>	Exploring the effect of tillers on the water economy, plant growth and kernel set of low-density maize crops <b>Daniel Rodriguez</b>	
	1130-1150	Impact of nitrogen, antinutritional compounds and abiotic stresses on grain quality parameters in grain sorghum <b>Impa Somayanda</b>	Maize and soybean agronomic management and associated yield gaps in central Argentina. <b>Raul Gimenez</b>	
	1150-1210	Epigenetic Regulation in the Sorghum grain: Investigating Endosperm Demethylation Patterns and Their Implications <b>Kusumitha Shrinivasan</b>	Untangling genotype by management interactions in multi-environment on-farm maize experimentation <b>Daniel Rodriguez</b>	
	1210-1310	<b>Lunch</b>		<b>Sponsored by:</b>
		<i>Room: Marquis Room</i> <i>Stream: Soybean Agronomy</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Room: Monarch Room</i> <i>Stream: Technology &amp; Innovation</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>	<i>Room: Prince Room</i> <i>Stream: Sorghum Agronomy</i> <i>Sponsor:</i> <i>Session Chair:</i> <i>Room Monitor:</i>
1310-1330		The impact of in-crop nitrogen fertiliser additions on soybean productivity and protein yields <b>Neil Halpin</b>	Innovations in agricultural tyres and reducing costs – increasing yields and farm profitability. <b>Phil Littlejohn</b>	
			<b>Daniel Rodriguez</b>	

1330-1350	Investigating the effect of four different rates of sowing upon four varieties of soybean grown within a sugarcane summer fallow <b>Nick Hill</b>	John Deere's Innovative Planter Technology <b>Joel Gorman</b>	Is there value in PSK nutrition in sorghum? <b>Loretta Serafin</b>
1350-1410	The need for soybean foliar disease management Decision Support Tools <b>Neil Halpin</b>	Utilising the existing equipment available to improve your bottom line when Planting. <b>David McGavin</b>	The role of biological enhancers as a risk mitigation tool <b>Maree Crawford</b>
1410-1430	NSW soybean expansion project key findings <b>Sam Blanch</b>	weedSAT - detecting weeds in cropping using ultra high-resolution satellite imagery <b>Tim Neale</b>	Is nitrogen management in Sorghum the never-ending story? <b>Loretta Serafin</b>
1430-1450	Soybean Production Manual updates <b>Simon Crane</b>	On farm Automation, where are we at now <b>Andrew Bates</b>	Sorghum Grower Talk
1550-1520	<b>Afternoon Tea</b>		<b>Sponsored by:</b>
	<b>Closing Plenary</b>		<b>Sponsored by:</b> <b>Session Chair:</b>
1530-1615	On Farm Wellbeing		<b>Brad Hogg</b>
1615-1630	Conference Close		<b>Maree Crawford</b>
1830-2230	<b>Elders CONFERENCE GALA DINNER</b> <b>INDUSTRY AWARDS</b> <ul style="list-style-type: none"> <li>• Significant contribution to Summer Grain Sorghum, Maize, Sunflower, Mungbean, Soybean</li> <li>• Elders Innovation in Technology Farmer and Industry</li> <li>• Mort &amp; Co Women in Agriculture</li> <li>• Bayer Rising Star</li> <li>• AMA Zoe McInnes Memorial Award</li> <li>• Suncorp/ASGC Ben Coleman Memorial Award</li> </ul>		