



Breeders WEEK / 2025

3RD - 6TH MARCH, 2025
MARRIOTT DOCKLANDS, MELBOURNE

AGENDA

Monday 3 March 2025

12:00pm - 12:30pm	LUNCH	
12:30pm - 3:00pm	CAIGE Annual General Meeting ○ <i>Refer to separate agenda</i>	PROMENADE <i>Chair: Julie Nichol (USyd)</i>
3:00pm - 3:30pm	AFTERNOON TEA	
3:30pm - 5:30pm	NVT Cereal Pathology ○ <i>Refer to separate agenda</i>	PROMENADE <i>Chair: Hari Dadu (AVR)</i>

Tuesday 4 March 2025

9:00am - 1:00pm*	NVT & Variety Assessment ○ <i>Refer to separate agenda</i>	PROMENADE I & II <i>Chair: Amanda Box (Secobra)</i>
	*INCLUDES MORNING TEA	
1:00pm - 2:00pm	LUNCH	

Wheat Research ○

2:00pm - 5:00pm (concurrent)		PROMENADE II
	<i>Chair: Bertus Jacobs & Scott Sydenham (LongReach Plant Breeders)</i>	
2:00pm - 2:30pm	An update on the the GRDC Frost Investments	Chris Helliwell (CSIRO)
2:30pm - 3:00pm	Intrinsic heat tolerance	Scott Boden (UA)
3:00pm - 3:30pm	AFTERNOON TEA	
3:30pm - 4:00pm	Towards improving nitrogen use efficiency in wheat	Rajeev Varshney (Murdoch)
4:00pm - 4:30pm	Using crop modelling to improve crop adaptation in wheat	Karine Chenu (UQ)
4:30pm - 4:45pm	An overview; grain protein & quality under heat stress	Harvey Millar - Hui Cao (UWA)
4:45pm - 5:00pm	GRDC Update	Jess Hyles (GRDC)

Barley/Oat Research ○

2:00pm - 5:00pm (concurrent)		PROMENADE I
	<i>Chair: David Moody (InterGrain)</i>	
2:00pm - 2:30pm	Barley Phenology	James Hunt (Uni Melb), Felicity Harris (CSU) & Corinne Celestina (Uni Melb)
2:30pm - 3:00pm	Barley Phenology	James Hunt (Uni Melb), Felicity Harris (CSU) & Corinne Celestina (Uni Melb)
3:00pm - 3:30pm	AFTERNOON TEA	
3:30pm - 4:00pm	Barley Phenology	James Hunt (Uni Melb), Felicity Harris (CSU) & Corinne Celestina (Uni Melb)
4:00pm - 4:30pm	Oat Pan Genome - resources for prebreeding & breeding	Chengdao Li (Murdoch)
4:30pm - 5:00pm	Barley Heat Tolerance - an update on historical & current research	Chengdao Li (Murdoch)

Pulses Research ○

2:00pm - 5:00pm (concurrent)		PROMENADE III
	<i>Chair: Maqbool Ahmad (RAGT)</i>	
2:00pm - 2:30pm	Genetics and genes for low alkaloid content in narrow-leaved lupin	Gaofeng Zhou (Murdoch)
2:30pm - 3:00pm	Genetic initiative to transform symbiotic nitrogen fixation in Australian pulse crops	Michael Udvardi (UQ)
3:00pm - 3:30pm	AFTERNOON TEA	
3:30pm - 4:00pm	Enhancing lupin's value through seed coat reduction	Lingling Gao (CSIRO)
4:00pm - 4:30pm	Accelerating genetic gain for yield in pulses through genetic diversity and AI approaches	Rajeev Varshney (Murdoch)
4:30pm - 5:00pm	Enhancing chickpea acidic soil tolerance: QTL and haplotype discovery, functional analysis of AI-tolerance genes	Yong Jia (Murdoch) and Zibei Lin (AgriBio)



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Canola Research ○

2:00pm – 5:00pm (concurrent)

OBSERVATORY

Chair: *Tristan Coram (AGT)*

2:00pm – 2:30pm	Towards an agreed set of industry standards for the long hypocotyl trait in canola	Matt Nelson (CSIRO)
2:30pm – 3:00pm	Genomics supported optimisation of flowering for maximised productivity in canola	Shannon Dillon (CSIRO)
3:00pm – 3:30pm	AFTERNOON TEA	
3:30pm – 4:00pm	Pre-breeding progress towards climate-resilient canola	Sheng Chen (UWA)
4:00pm – 4:30pm	Engineering traits in Brassica Napus and Brassica Carinata	Julian Greenwood (ANU)
4:30pm – 5:00pm	Canola pre-breeding research at NSW DPIRD	Harsh Raman (NSW DPIRD)
6:30pm – 10:30pm	DINNER	

Wednesday 5 March 2025

Chair: *Narelle Moore (ACB)*

PROMENADE I & II

9:00am – 9:15am	GRDC Presentation ○	<i>Camilla Hill</i>
9:15am – 1:00pm*	Australian Cereal ○ Rust Control Program Consultative Committee <i>Refer to separate agenda</i>	<i>Chair: Harpreet Gill (Longreach Plant Breeders)</i>
1:00pm – 2:00 pm	LUNCH	

*INCLUDES MORNING TEA

Wheat Pathology ○

2:00pm – 5:00pm (concurrent)

PROMENADE II

Chair: *Chris Proud (RBA)*

2:00pm – 2:30pm	Different approaches to Crown Rot phenotyping	Phil Davies (AGT)
2:30pm – 3:00pm	Multiple Disease Resistance – Germplasm, Screening, Genetic, and Genomic Investigations	Roopali Bhoite (DPIRD)
3:00pm – 3:30pm	AFTERNOON TEA	
3:30pm – 4:00pm	Identifying novel and optimal combinations of resistance genes to Septoria tritici blotch (STB)	Andrew Milgate (NSW DPIRD)
4:00pm – 4:30pm	Dissecting the Australian Wheat Powdery Mildew Pathotype	Ancy Tony (CCDM)
4:30pm – 5:00pm	Wheat blast: current status and threat to Australian cropping systems and learnings from Sth America	Brad Baxter (NSW DPIRD)

LEGEND

○ OPEN TO ALL ATTENDEES

● OPEN TO ACB MEMBERS AND NON-ACB MEMBERS BY INVITATION

Barley/Oat Pathology ○

2:00pm – 5:00pm (concurrent)

PROMENADE I

Chair: *Dini Ganesalingam (InterGrain)*

2:00pm – 2:30pm	Update on Ramularia Leaf Spot in Australia	Ben Ovenden (NSW DPIRD)
2:30pm – 3:00pm	Oat Septoria Consortium - Programs 1 & 3 an introduction	Chengdao Li (Murdoch) & Judith Atieno (SARDI)
3:00pm – 3:30pm	AFTERNOON TEA	
3:30pm – 4:00pm	New sources of effective, broad-spectrum resistance to oat Septoria blotch	Manisha Shankar/Hieu Tran (DPIRD)
4:00pm – 4:30pm	Program 2 of the Oat Septoria Consortium - Further discovery of new sources of Septoria resistance	Huyen Phan (CCDM)
4:30pm – 5:00pm	OzBarley Project Update	Matt Tucker (UA)

Pulse Pathology ○

2:00pm – 5:00pm (concurrent)

PROMENADE III

Chair: *Kristy Hobson & Ahsan Asif (NSW DPIRD)*

2:00pm – 2:30pm	Disease severity and the relationship with yield in pulses	Josh Fanning (AVR)
2:30pm – 3:00pm	Deepening our understanding of AB resistance in chickpea	Judith Atieno (SARDI) & Sukhjiwan Kaur (AVR)
3:00pm – 3:30pm	AFTERNOON TEA	
3:30pm – 3:45pm	CCDM pulse pathology update	Lars Kamphuis (CCDM)
3:45pm – 4:30pm	Emerging pulse soil borne diseases	Chloe Findlay (AVR)
4:30pm – 5:00pm	Discussion/Open	

Additional information

For information or queries during the event, please contact:

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Agenda correct at time of printing but may be subject to change. If you have notified us of dietary requirements when you registered, separate food options will be available during meal breaks.

Our social media tag is **#BreedersWeek25**
australiancropbreeders.com.au/events



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