

# AusCanola 2018 Program - 4<sup>th</sup> to 6<sup>th</sup> September 2018

## Field Tour: Tuesday, 4<sup>th</sup> September 2018

7.15am Registration	Participants meet at Rendezvous Hotel Scarborough at 7.15am for Field Tour
7.30am bus departs	Participants meet at Rendezvous Hotel Scarborough at 7.15am for Field Tour
	Field Tour to Cunderdin WANTFA Trial Site
6.00pm	Arrive back to Perth (Ocean sunset estimated around 5.55pm)
6.30 - 8.00pm	Welcome Reception (light canapes and beverages) at Rendezvous Hotel Scarborough

#### Day 1: Wednesday 5<sup>th</sup> September 2018

8.00 - 8.30 am	Registration and coffee
8.30 - 8.55am	Welcome and housekeeping
	Wallace Cowling, Chairman, AusCanola 2018 Steering Committee
	Opening
	Mark Sweetingham, Department of Primary Industries and Regional Development
8.55 - 9.15am	Where is canola genomics heading in the future?
	Jacqui Batley, University of Western Australia and Chairman, AusCanola 2018 Program Committee
Session 1: New Ge	rmplasm
Chairman: Martin Barb	etti
9.15 - 9.30am	An overview of the Australia India China Project
	Dr Phil Salisbury, University of Melbourne
9.30 - 10.00am	Mobilising alternative sources of genetic diversity for germplasm enhancement in Brassica oilseeds
	Surinder Banga - Punjab Agricultural University
10.00 - 10.15am	Evaluation of heat and drought tolerance at anthesis in novel canola germplasm from India and China
	Sheng Chen, University of Western Australia
10.15 - 10.30am	Review of the benefits of the India-China Exchange Project with particular reference to the identification of genomic regions and candidate genes for resistance to pod shatter in Brassica
	Harsh Raman, NSW Department of Primary Industries
10.30 - 10.45am	Brassica carinata: Coming to a farm near you
	Anthony van Herqaarden, University of Queensland

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Web: www.australianoilseeds.com/conferences\_workshops/ARAB/AusCanola\_2018





10.45 - 10.50am	New traits for Australian canola via TILLING and gene editing	
Poster 3 min	Chris Helliwell, CSIRO	
10.50 - 10.55am	Estimation of linkage disequilibrium and population structure among <i>Brassica Napus</i>	
Poster 3 min	genotypes for association mapping	
11.00 11.20-	Huma Qamar, Ayub Agriculture Research Institute, Faislabad	
11.00 - 11.30am	Morning Tea	
Session 2: Impact of Climate Change		
Chairman: Trent Potter		
11.30 - 12.00pm	Crop modelling: Physiological context for improved canola agronomy	
	Julianne Lilley, CSIRO	
12.00 - 12.15pm	A model for pre-breeding canola for heat and drought tolerance during global climate change	
	Wallace Cowling, University of Western Australia	
12.15 - 12.30pm	Effect of water stress on transpiration efficiency in canola	
	Rajneet Uppal, NSW Department of Primary Industries	
12.30 - 12.45 pm	Predicting canola phenology in warm environments	
	Jeremy Whish, CSIRO	
12.45 - 12.50pm	Phi thickenings in Brassica roots - an adaptation to water stress?	
Poster 3 min	David Collings, University of Newcastle	
12.50 - 2.00pm	Lunch	
Session 3: Pests an	d Diseases	
Chairman: Lars Kamph	uis	
2.00 - 2.30pm	Sclerotinia Stem Rot in canola: tales from the executioner's handbook	
	Dwayne Hegedus, Agriculture and Agri-Food Canada	
2.30 - 2.40pm	Effective management of Sclerotinia stem rot ( <i>Sclerotinia sclerotiorum</i> ) in canola ( <i>Brassica Napus</i> ) through exploring host resistance	
	Muhammad Azam, University of Western Australia	
2.40 - 2.50pm	New avenues for breeding resistance to Sclerotinia stem rot into Australian canola	
	Mark Derbyshire, Centre for Crop and Disease Management, Curtin University	
2.50 - 3.00pm	Reasessing aphid thresholds in canola	
	Svetlana Micic, WA Department of Primary Industries and Regional Development	
3.00 - 3.05pm	Decision Apps for managing blackleg and Sclerotinia in canola	
Poster 3 mins	Art Diggle, WA Department of Primary Industries and Regional Development	
3.05 - 3.10pm	Survey of Sclerotinia stem rot sclerotia post harvest	
Poster 3 mins	Andrea Hills, WA Department of Primary Industries and Regional Development	
3.10 - 3.15pm Poster 3 mins	Environmental drivers of white leaf spot disease ( <i>Pseudocercosporella capsellae</i> ) on canola	
	Tamsal Murtza, University of Western Australia	
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3.15 - 3.20pm	Alternaria spp. Leaf Spot Incidence associated with canola in Australia
Poster 3 mins	Hebba Al-Lami, University of Western Australia
3.20 - 3.25pm	Pathotypes of <i>Hyaloperonospora brassicae</i> on canola and other Brassicaceae
Poster 3 mins	
	Akeel Mohammed, University of Western Australia
3.30 - 4.00pm	Afternoon Tea
Session 4: Breeding	
Chairman: Wallace Cow	ling
4.00 - 4.15pm	GRDC Investment in Pre-breeding
	Francis Ogbonnaya, Grains Research and Development Corporation
4.15 - 4.30pm	National Variety Trials PV-Plus App
	Lauren Borg, University of Wollongong
4.30 - 4.45pm	Overview, the risk analysis framework used and public attitudes to GMOs
	Alison Wardrop, Office of Gene Technology Regulator
4.45 - 5.00pm	Hybrid vs. OP canola: which one wins where?
	Heping Zhang, CSIRO
5.00 - 5.15pm	Towards functional characterization of pod shatter resistant genes in Brassica Napus
	Qiong Hu, Chinese Academy of Agricultural Sciences
5.15 - 5.30pm	Establishing a diverse multi-year genomic selection reference population for key traits
	to underpin canola pre-breeding
	Hans Daetwyler, Victorian Department of Economic Development, Jobs, Transport and Resources
6.30 - 9.30pm	Conference Dinner

## Day 2: Thursday 6<sup>th</sup> September 2018

8.00 - 8.30am	Registration and coffee	
Session 5: Growing canola in low rainfall environments (the WA experience)		
Chairman: Michael Lamond		
8.30- 9.30am	Canola growing in WA	
	Michael Lamond to provide an overview then a panel of 3 growers will talk about their experiences growing canola in WA, where it fits in the rotation and issues they have growing canola	
9.30 - 9.40am	Retaining canola seed	
	Mark Seymour, WA Department of Primary Industries and Regional Development	
9.40 - 9.55am	Plant geometry and density for management of canola crops in low rainfall environments	
	Martin Harries, WA Department of Primary Industries and Regional Development	
9.55am - 10.05am	Canola sowing time to maximise yield in Western Australia	
	Imma Farre, WA Department of Primary Industries and Regional Development	



10.05 - 10.15am	Canola: Pathways -to profitability
	Elizabeth Meier, CSIRO
10.15 - 10.30am	Over twenty years of commercial canola crops show the place of canola in the southern Mallee of South Australia
	Trent Potter, Yeruga Research Station
10.30 - 11.00am	Morning Tea
Session 6: Agron	omy
Chairman: Peter Bos	stock
11.00 - 11.30am	Canola's rise to #1 on the Canadian Prairies – Innovation and "Out-o-vation"
	Murray Hartman, Alberta Agriculture and Forestry
11.30 - 11.45am	Determining the critical period for yield and quality in canola
	John Kirkegaard, CSIRO
11.45 - 12.00pm	Match varietal phenology with sowing date to drive canola productivity
	Rohan Brill, NSW Department of Primary Industries
12.00 - 12.10pm	How does the partitioning of yield, seed colour change and other determinants of windrow timing, influence seed yield and quality parameters in canola
	Rick Graham, NSW Department of Primary Industries
12.10 - 12.20pm	Canola establishment across central NSW -how to get it up
	Colin McMaster, NSW Department of Primary Industries
12.20 - 1.30pm	Lunch
Session 7: Pests	and diseases
Chairman: Jacqui Ba	
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Imputation to whole-genome sequence increases the power of genome wide
association studies for blackleg resistance in canola
Denise Barbulescu, Victorian Department of Economic Development, Jobs, Transport and Resources
Natural variation for interference traits against annual ryegrass in canola
Nawar Shamaya, NSW Department of Primary Industries
Afternoon Tea
ct Quality, Marketing and Processing
ard
Greenhouse gas values for canola
Sandra Eady
Development of an omega-3 long-chain fatty acid oil crop: Innovation in canola
Surinder Singh, CSIRO
Key canola quality attributes in the new millennium – what are the trends over the past 18 years?
Donna Seberry, NSW Department of Primary Industries
Computational and biological characterization of 2S albumin proteins from Brassica
rapa
Mahmudur Rahman, Southern Cross University
The use of canola oil for deep frying in the food industry
Luke Peet, Chef, and AUSTRALIA Manager of Oil2u
Closing Remarks
Nick Goddard, CEO, Australian Oilseeds Federation
Wallace Cowling, Chairman Steering Committee
Conference concludes

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