



**AUSTRALIAN
PULSE
CONFERENCE**

Tuesday 15 October 2019				
8:00	Registration opens - onsite at Field Day			
8:30	<p style="text-align: center;">Southern Pulse Agronomy Field Day</p> <p style="text-align: center;">APC 2019 is teaming up with the established Southern Pulse Agronomy Field Day - held annually and well attended by growers and industry. 8:30am - 2:00pm</p>			
14:00	<p style="text-align: center;">Industry Tours 2:00pm - 4:00pm</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;"> <p style="text-align: center;">Pulse Processing Tour AGT Foods Australia Coordinated by Mitchell Elks and Kevin Scoullar, AGTFoods</p> <p style="text-align: center;"><i>Maximum 40 participants Bookings required</i></p> </td> <td style="width: 33%; padding: 5px;"> <p style="text-align: center;">Grains Innovation Park Tour Agriculture Victoria Coordinated by Fiona Carine and Sally Norton, AgVictoria</p> <p style="text-align: center;"><i>Maximum 60 participants Bookings required</i></p> </td> <td style="width: 33%; padding: 5px;"> <p style="text-align: center;">Local Pulse Farms and Farm Storage Tour Coordinated by Tim Pohlner, Agrivision</p> <p style="text-align: center;"><i>Maximum 55 participants Bookings required</i></p> </td> </tr> </table>	<p style="text-align: center;">Pulse Processing Tour AGT Foods Australia Coordinated by Mitchell Elks and Kevin Scoullar, AGTFoods</p> <p style="text-align: center;"><i>Maximum 40 participants Bookings required</i></p>	<p style="text-align: center;">Grains Innovation Park Tour Agriculture Victoria Coordinated by Fiona Carine and Sally Norton, AgVictoria</p> <p style="text-align: center;"><i>Maximum 60 participants Bookings required</i></p>	<p style="text-align: center;">Local Pulse Farms and Farm Storage Tour Coordinated by Tim Pohlner, Agrivision</p> <p style="text-align: center;"><i>Maximum 55 participants Bookings required</i></p>
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18:30	<p style="text-align: center;">Welcome Reception Barangaroo Winery 6:30pm - 8:30pm <i>Transfers available - see schedule</i></p>			



Wednesday 16 October 2019	
8:00	Registration
	Opening Ceremony
8:30	Opening Remarks Ron STOREY
8:35	Welcome to Country
	Accessing New Markets Chair: Nick Goddard
8:40	Keynote Session Australian and Canadian Pulses. Commonwealth Competitors or Scientific Collaborators? Nevin ROSAASEN
9:25	Pakistan Pulses Outlook Muhammad AHMED
9:40	Risk V Reward for pulse farmers Lachlan SEEARS
10:00	Morning Tea
	Expanding Pulse Production Chair: PB Seeds
10:30	90. Progress in Chemical Weed Control in Pulses in western Canada Eric JOHNSON
10:50	111. The Expanding Pulse - Adapting Pulses to Mallee environments Michael MOODIE
11:10	56. Using @RISK modelling to examine risk in Mallee cereal and legume rotations Richard SAUNDERS
11:30	5. Predictions of optimal chickpea flowering time for better yield Muhuddin ANWAR
11:50	57. Putting our finger on the pulse - improving mungbean productivity in the paddock Marisa COLLINS
12:10	110. Improving pulse nodulation in stressful environments Ross BALLARD, Elizabeth FARQUHARSON
12:30	92. Alternative legume crops for the southern region of Australia James NUTTALL
12:35	19. Developing pigeonpea as a new profitable and resilient summer pulse crop for Queensland Rex WILLIAMS
12:40	Rapid Fire Q&A
12:45	Lunch

	Value Adding Pulses Chair: Chris Blanchard
13:30	107. Keynote Session New products and Market opportunities Phil MCFARLANE
14:00	81. Silicon supplementation improved the nutritional potential and sensory properties of drought-stressed lentil seeds as revealed by a novel sensory analysis using non-invasive biometrics from consumers Sajitha BIJU
14:20	35. Influence of processing conditions on pulse flake quality Stephen CORK
14:25	97. Beyond visual classification: The nutritional value of frost-damaged lentil flour in baked and extruded products Drew PORTMAN
14:30	61. Exploring genetic variation to improve salinity tolerance in faba bean Ahsan ASIF
14:35	58. Survey of emerging pulse root diseases in South Australia Tara GARRARD
14:40	Rapid Fire Q&A
	Expanding Pulse Production
14:45	51. Driving research discovery in pulse legumes - current outcomes from the ARC ITRH - Legumes for Sustainable Agriculture Brent KAISER
15:05	Afternoon tea & Poster Sessions
	Pushing Yield Boundaries Chair: Mark Richards
15:40	87. The Internet of Things Mark GOULD
16:00	24. Expanding pulse production through extension - Pulse Check discussion groups Prudence COOK
16:05	20. High throughput aluminium toxicity tolerance screening in lentil to expand production area Vani KULKARNI
16:10	6. Waterlogging tolerance in lentil Lachlan LAKE
16:15	49. Exploiting wild germplasm to expand the genetic diversity and enhance the adaptive potential of domesticated chickpea Lars KAMPHUIS
16:20	Rapid Fire Q&A
	Expert Panel Discussion Facilitator: Kate Burke
16:25	The future of the Australian Pulse Production Industry Nevin ROSAASEN, Phil MCFARLANE, Kristy HOBSON, Ben CORDES, Neil WANDEL
17:30	End of Day 1
18:30	APC Conference Dinner Horsham Town Hall 7:00pm - 10:00pm <i>Transfers available - see schedule</i>



Thursday 17 October 2019	
8:00	Registration
Smart Farms and Remote Sensing Chair: Francis Ogbonnaya	
Keynote Session	
8:30	108. Retrieval of physiological plant traits using airborne imaging spectroscopy and thermal data: physical vs. data driven methods Pablo J. ZARCO-TEJADA
9:15	96. High-throughput field phenotyping for important crop breeding traits Surya KANT
9:35	86. Lentil sensitivity to frost and rapid detection in field using proximal sensors Audrey DELAHUNTY, Eileen PERRY
9:55	103. Application of machine-vision to assess admixture and discoloration in lentil and field pea Linda MCDONALD, Jason BRAND, Joe PANOZZO
10:15	47. High throughput phenotyping for assessment of bacterial blight in field pea Babu PENDEY
10:20	79. Do sensors explain the advantage of navy bean intercropped with maize under limited water and N environments? Abeya TEMESGEN TEFERA
10:25	Rapid Fire Q&A
10:30	Morning Tea
Pushing Yield Boundaries Chair: Matt Hayden	
Keynote Session	
11:00	109. Pea genomics for advanced breeding strategies Dr Judith BURSTIN
11:45	55. Genomic Selection in pulses Sukhjiwan KAUR
12:05	99. Transforming Genetic Gain in Pulses Janine CROSER
12:25	Lunch

	Pushing Yield Boundaries Chair: Tim Sutton
13:10	GRDC Update Narelle Moore
13:20	39. Heterosis and hybrid mimics in lentil Jiafu TAN
13:40	50. GWAS and QTL analyses identify genomic regions associated with resistance to Ascochyta blight in chickpea Rosy RAMAN
14:00	54. Genetic characterisation of synthetic auxin herbicide tolerance in pulse crops Simon MICHELMORE
14:20	27. Identification and characterisation of a genetic marker for <i>Ascochyta lentis</i> virulence in lentils Bernadette HENARES
14:40	26. Identification and characterization of heterotic genotypes in lentils for enhanced crop productivity Gurpreet KAUR SURI
14:45	76. Identification and characterisation of potential novel sources of resistance to ascochyta blight within the exotic germplasm of lentil Rama HARINATH REDDY DADU
14:50	82. Growth of pea (<i>Pisum sativum</i>) under conditions for accelerated maturity shifts the expression pattern of key hormones related to embryo physiological maturity Federico RIBALTA
14:55	Rapid Fire Q&A
15:00	Afternoon tea & Poster Sessions
	Pushing Yield Boundaries Chair: Rex Williams
15:40	63. Identification of resistance to multiple viruses in lentil germplasm Joop VAN LEUR
16:00	75. Walking on the wild side: widening the phenological responsiveness of domestic chickpea Jens BERGER
16:20	34. Establishment and validation of high-throughput screening protocol for salinity tolerance in lentil Hossein VALIPOUR KAHROOD
16:40	93. Are we describing the phenological development of Chickpea and Lentil correctly? Jeremy WHISH
17:00	105. Plant Breeding in the 21st century Arun S.K SHUNMUGAM
	Closing Ceremony
17:20	Conference Close Garry ROSEWARNE
17:30	End of Day 2