

# 2019 ADELAIDE GRAINS RESEARCH UPDATE



## PROGRAM DAY 1 - FEBRUARY 12th

8.55 am	<b>Announcements</b>	<i>ORM</i>
9.00 am	<b>Welcome and GRDC update</b>	<i>GRDC representative</i>
9.20 am	<b>National yield gap analysis - what is it telling us?</b>	<i>Harm van Rees, Cropfacts Pty Ltd</i>
9.55 am	<b>Social licence - building trust in agricultural science in the community</b>	<i>Deanna Lush, AgCommunicators</i>
10.30 am	<b>Morning tea</b>	

### CONCURRENT SESSIONS (40 minutes including time for room change) (R = session to be repeated)

	Hall L	Room L1	Room L2	Room L3
11.05 am	<b>Taking on our International grain competitors - what can we do at the farm and industry level? (R)</b> <i>Ross Kingwell, AEGIC</i>	<b>Disease and weed responses to intensive cropping systems (R)</b> <i>Sara Blake, SARDI and Navneet Aggarwal, SARDI</i>	<b>Bridging the yield gap</b> <i>On the couch with Harm</i>	<b>Pulse agronomy insights (R)</b> <i>Penny Roberts, SARDI</i>
11.45 am	<b>Latest strategies for treatment of soil acidification (R)</b> <i>Brian Hughes, PIRSA and Sam Trengove, Trengove Consulting</i>	<b>Towards prediction of diamondback moth risk in canola - new insights into ecology and resistance management (R)</b> <i>Kym Perry, SARDI</i>	<b>Cost effective outcomes for ameliorating sandy soils (R)</b> <i>Lynne Macdonald, CSIRO</i>	<b>Factors that drive N availability in wheat; including soil microbiology (R)</b> <i>Gupta Vadakkatu, CSIRO</i>
12.25 pm	<b>Implications of robotics for the grains industry (R)</b> <i>Salah Sukkarieh, The University of Sydney</i>	<b>Sustaining our herbicides into the future (R)</b> <i>Chris Preston, The University of Adelaide</i>	<b>Emerging management tips for early sown winter wheats (R)</b> <i>Kenton Porker, SARDI</i>	<b>Pulse agronomy insights</b> <i>Penny Roberts, SARDI</i>
1.00 pm	<b>LUNCH</b>			
2.00 pm	<b>SA cereal variety review (R)</b> <i>Rob Wheeler, GRDC</i>	<b>Disease and weed responses to intensive cropping systems</b> <i>Sara Blake, SARDI and Navneet Aggarwal, SARDI</i>	<b>Implications of robotics for the grains industry</b> <i>Salah Sukkarieh, The University of Sydney</i>	<b>Mice - status, baiting and forecast threat</b> <i>Steve Henry, CSIRO</i>
2.40 pm	<b>Sustaining our herbicides into the future</b> <i>Chris Preston, The University of Adelaide</i>	<b>Towards prediction of diamondback moth risk in canola - new insights into ecology and resistance management</b> <i>Kym Perry, SARDI</i>	<b>Factors that drive N availability in wheat; including soil microbiology</b> <i>Gupta Vadakkatu, CSIRO</i>	<b>Latest strategies for treatment of soil acidification</b> <i>Brian Hughes, PIRSA and Sam Trengove, Trengove Consulting</i>
3.20 pm	<b>Cost effective outcomes for ameliorating sandy soils</b> <i>Lynne Macdonald, CSIRO</i>	<b>SA cereal variety review</b> <i>Rob Wheeler, GRDC</i>	<b>Taking on our International grain competitors - what can we do at the farm and industry level?</b> <i>Ross Kingwell, AEGIC</i>	<b>Emerging management tips for early sown winter wheats</b> <i>Kenton Porker, SARDI</i>

Day 1 continued . . .

3.55 pm **AFTERNOON TEA**

4.25 pm **Evolution and management of Group J and K resistance in annual ryegrass** *David Brunton, PhD candidate*

4.35 pm **Using DNA markers to improve wheat breeding** *Adam Norman, PhD candidate*

4.45 pm **Pesticides and regulatory impacts - the road ahead** *Gordon Cumming, GRDC*

5.25 pm **COMPLIMENTARY DRINKS IN TRADE DISPLAY AREA**

## PROGRAM DAY 2 - FEBRUARY 13th

8.15 am **Early risers session - GRDC Communities panel session on crop nutrition**

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	Hall L	Room L1	Room L2	Room L3
9.00 am	<b>Fungicide strategies in canola - achieving yield responses to foliar applications (R)</b> <i>Steve Marcroft, Marcroft Grains Pathology</i>	<b>HRZ forum - hyper yielding cereals, pulse update and HRZ weed control strategies</b> <i>Nick Poole, FAR Australia; Penny Roberts, SARDI and Gurjeet Gill, The University of Adelaide</i>	<b>Herbicide residues in soil - what is the scale and significance? (R)</b> <i>Lukas Van Zwieten, NSW DPI</i>	<b>The root health report - pulse root diseases and root lesion nematode (R)</b> <i>Tara Garrard, SARDI and Katherine Linsell, SARDI</i>
9.40 am	<b>The 10 key lessons from the 'Stubble Initiative' every agronomist should know (R)</b> <i>John Kirkegaard, CSIRO</i>		<b>Rapid assessment of crop N and stress status - in field assessment of a hand held NIR tool (R)</b> <i>Michael Zerner, Landmark Pfitzner &amp; Kleinig</i>	<b>Canola - optimal management strategies (R)</b> <i>Andrew Ware, SARDI</i>
10.20 am	<b>MORNING TEA</b>			
10.50 am	<b>Seedbank life of emerging problem weeds - management impact</b> <i>Gurjeet Gill, The University of Adelaide</i>	<b>Validating integrated weed management practices</b> <i>Chris Davey, YP AG</i>	<b>Canola - optimal management strategies</b> <i>Andrew Ware, SARDI</i>	<b>The root health report - pulse root diseases and root lesion nematode</b> <i>Tara Garrard, SARDI and Katherine Linsell, SARDI</i>
11.30 am	<b>Impact of chaff lining on the seed persistence and emergence of weeds</b> <i>Annie Ruttledge, QLD Dept Ag &amp; Fisheries</i>	<b>The role of N as a possible mitigating tool to heat stress impact in wheat</b> <i>Mariano Cossani, SARDI</i>	<b>The 10 key lessons from the 'Stubble Initiative' every agronomist should know</b> <i>John Kirkegaard, CSIRO</i>	<b>Herbicide residues in soil - what is the scale and significance?</b> <i>Lukas Van Zwieten, NSW DPI</i>
12.10 pm	<b>Getting the best from barley in the South</b> <i>Kenton Parker, SARDI</i>	<b>Fungicide strategies in canola - achieving yield responses to foliar applications</b> <i>Steve Marcroft, Marcroft Grains Pathology</i>	<b>Minimising risk of extreme temperatures in critical pulse development windows through management decisions</b> <i>Lachlan Lake, SARDI</i>	<b>Rapid assessment of crop N and stress status - in field assessment of a hand held NIR tool</b> <i>Michael Zerner, Landmark Pfitzner &amp; Kleinig</i>
12.50 pm	<b>LUNCH</b>			
1.30 pm	<b>Changing food trends affecting the grains industry</b>		<i>Sara Grafenauer, Grains &amp; Legumes Nutrition Council</i>	
2.10 pm	<b>Nitrogen and soil organic matter decline - what is needed to fix it?</b>		<i>Jeff Baldock, CSIRO</i>	
2.50 pm	<b>CLOSE AND EVALUATION</b>			



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