

GRDC SOUTHERN Grains Research Update Series

FEBRUARY 2022 LIVESTREAM PROGRAM

NB. All times are Australian Eastern Daylight Savings Time (AEDT).

Program Day 1 – Agronomy & management for a shifting climate

Tuesday 8 February, 9am AEDT

Start time	Finish time	Topic	Presented by
9:00	9:15	Welcome	<i>John Bennett, GRDC Chair of Southern Panel</i>
9:15	9:45	GRDC opening address	<i>John Woods, GRDC Board Chair</i>
9:45	10:15	Green-house gas emissions of Australian grain production	<i>Maartje Sevenster, CSIRO</i>
10:15	10:45	A realistic guide to soil carbon farming in Southern Australia	<i>Richard Eckard, University of Melbourne</i>
10:45	11:00	<i>Morning Tea Break</i>	
11:00	11:30	Adaptive plant establishment strategies for overcoming a shifting seasonal break	<i>Bonnie Flohr, CSIRO</i>
11:30	11:50	Farm level implications of the IPCC climate report	<i>Peter Hayman, SARDI</i>
11:50	12:10	Forewarned is forearmed	<i>Dale Grey, Agriculture Victoria</i>
12:10	12:40	Building carbon with regenerative farming - is it possible?	<i>Mark Farrell, CSIRO</i>
12:40	13:00	<i>Lunch Break</i>	
13:00	13:30	Long coleoptile wheats - new tool for drier sowings	<i>Greg Rebetzke, CSIRO</i>
13:30	14:00	New regenerating pasture for Low Rainfall Zone - feed your livestock and future crops	<i>Ross Ballard, SARDI</i>
14:00	14:30	Turning up the heat on wheat varietal selection - progress with heat tolerance breeding	<i>Daniel Tan, University of Sydney</i>
14:30	14:40	<i>Close and evaluation</i>	<i>GRDC Representative</i>

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Program Day 2 – Advances in break crops

Wednesday 9 February, 9am AEDT

Start time	Finish time	Topic	Presented by
9:00	9:05	Welcome/Introduction to day two	<i>GRDC Representative</i>
9:05	9:35	Legume update - what we need to know for 2022	<i>Jason Brand, Agriculture Victoria</i>
9:35	10:05	Increasing Nitrogen fixation - key factors impacting upon rhizobia health	<i>Liz Farquharson, SARDI</i>
10:05	10:35	Crop safety implications for new products in lentils	<i>Jordan Bruce, Tregove Consulting Navneet Aggarwal, SARDI</i>
10:35	10:50	<i>Morning Tea Break</i>	
10:50	11:20	Optimising canola establishment	<i>Matthew Nelson, CSIRO</i>
11:20	11:50	Best practice for high yielding canola crops	<i>Rohan Brill, Brill Ag</i>
11:50	12:20	Optimising canola phenology	<i>Chris Helliwell, CSIRO</i>
12:20	12:50	A review of GM canola's first year in South Australia	<i>Andrew Ware, EPAG Research Rebekah Allen, Hart Field Site</i>
12:50	13:00	<i>Close and evaluation</i>	<i>GRDC Representative</i>

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Program Day 3 – Latest in weed management

Thursday 10 February, 9am AEDT

Start time	Finish time	Topic	Presented by
9:00	9:05	Welcome/Introduction to day three	<i>GRDC Representative</i>
9:05	9:35	Herbicide residues - how do we know what's there?	<i>Mick Rose, NSW DPI</i>
9:35	10:05	Advances in weed recognition	<i>Michael Walsh, University of Sydney</i>
10:05	10:35	Tackling barley & brome grass head on	<i>Ben Fleet, University of Adelaide</i>
10:35	10:50	<i>Morning Tea Break</i>	
10:50	11:20	Herbicide tolerant traits for pulses and chemical regulation	<i>Gordon Cumming, GRDC</i>
11:20	11:50	Seed destruction when using a stripper front - does it work?	<i>Michael Walsh, University of Sydney</i>
11:50	12:20	Putting new pre-emergent formulations through their paces	<i>Chris Preston, University of Adelaide</i>
12:20	12:50	Random weed survey & glyphosate management	<i>Peter Boutsalis, Plant Science Consulting</i>
12:50	13:00	<i>Close and evaluation</i>	<i>GRDC Representative</i>

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Program Day 4 – Disease and pest update

Tuesday 22 February, 9am AEDT

Start time	Finish time	Topic	Presented by
9:00	9:05	Welcome/Introduction to day four	<i>GRDC Representative</i>
9:05	9:35	Powdery mildew in wheat - how to best manage	<i>Sam Trengove, Trengove Consulting</i>
9:35	10:05	Keeping fungicide resistance in check	<i>Tara Garrard, SARDI</i>
10:05	10:35	Canola diseases - key considerations for this season	<i>Steve Marcroft, Marcroft Grains Pathology</i>
10:35	11:05	Rust resistance - new pathotypes to be aware of	<i>Robert Park, University of Sydney</i>
11:05	11:20	<i>Morning Tea Break</i>	
11:20	11:50	Regionally based control measures for Septoria	<i>Grant Hollaway, Agriculture Victoria</i>
11:50	12:20	Is your blue green aphid strategy on target?	<i>Paul Umina, CESAR</i>
12:20	12:50	Minding the 'good guys' - impact of insecticides on key beneficial organisms	<i>Robert McDougall, CESAR</i>
12:50	13:20	Managing what is bugging you this season	<i>Lizzy Lowe, CESAR</i>
13:20	13:30	<i>Close and evaluation</i>	<i>GRDC Representative</i>

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Program Day 5 – Improved nutrition and soil management

Wednesday 23 February, 9am AEDT

Start time	Finish time	Topic	Presented by
9:00	9:05	Welcome/Introduction to day five	<i>GRDC Representative</i>
9:05	9:35	Protein mapping – getting more bang for your buck	<i>Edward Scott, Field Systems</i>
9:35	10:05	Long term Nitrogen management strategies: implications for productivity, profit and sustainability	<i>James Murray, Birchip Cropping Group</i>
10:05	10:35	An informed approach to phosphorus management	<i>Sean Mason, Agronomy Solutions</i>
10:35	10:50	<i>Morning Tea Break</i>	
10:50	11:20	Clearing your headspace and the lockdown blues	<i>Don Elgin, Australian athlete</i>
11:20	11:50	Liming & acidity - the economics of ‘rule of thumb’ applications	<i>Lisa Miller, Southern Farming Systems</i>
11:50	12:00	New knowledge & practices to address subsoil acidity	<i>Ruby Hume, University of Adelaide (PhD Candidate)</i>
12:00	12:30	Amelioration strategies for sandy soils - picking the best tool for your situation	<i>Therese McBeath, CSIRO</i>
12:30	12:40	<i>Close and evaluation</i>	<i>GRDC Representative</i>

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Program Day 6 – New technology & high rainfall zone agronomy

Thursday 24 February, 9am AEDT

Start time	Finish time	Topic	Presented by
9:00	9:05	Welcome/Introduction to day six	<i>GRDC Representative</i>
9:05	9:35	Canopy management for better yields	<i>Kenton Porker, FAR Australia</i>
9:35	10:05	Reducing the effects of waterlogging on yield	<i>Malcolm McCaskill, Agriculture Victoria</i>
10:05	10:15	Emerging research on water logging tolerance in barley varieties	<i>S M Nuruzzaman Manik, University of Tasmania (PhD candidate)</i>
10:15	10:45	An integrated approach to ryegrass control in higher rainfall environments	<i>Chris Preston, University of Adelaide</i>
10:45	11:00	<i>Morning Tea Break</i>	
11:00	11:10	Hyperspectral remote sensing & rapid assessing for wheat crops	<i>Andrew Longmire, University of Melbourne (PhD Candidate)</i>
11:10	11:40	Precision to decision – have we explored all the options? Lessons learned from the future farm project	<i>Brett Whelan, University of Sydney</i>
11:40	11:50	Use of remote and proximal sensing to guide yield predictions	<i>Ian Marang, University of Sydney (PhD Candidate)</i>
11:50	12:20	New technology and automation – what's on the horizon?	<i>Jacob Humpal, University of Southern Queensland</i>
12:20	12:30	<i>Close and evaluation</i>	<i>GRDC Representative</i>