



## PROGRAM DAY 1 – 24 FEBRUARY

8.00 am	<b>REGISTRATION AND COFFEE</b>			
8.45 am	<b>PLENARY SESSION 1</b>			
8.45 am	<b>Welcome</b> – Peter Bird, Senior Regional Manager West, GRDC <b>Future directions for GRDC investments</b> – Sharon Starick, GRDC Chair			
9.10 am	<b>GRDC award presentations</b> – Gary Lang, Chair GRDC Western Panel			
9.25 am	<b>Market access for Australian grain exports in a changing world</b> , John Ackerman, Grains Australia			
10.05 am	<b>The future for automation of grain growing in Australia</b> , TBA, John Deere Limited			
10.50 am	<b>MORNING TEA</b>			
11.30 am	<b>SESSION 1</b> <b>Farming Systems</b> <b>Seasonal variability in the grain belt and what's in store in 2025</b> Meredith Guthrie and Ian Foster, DPIRD	<b>SESSION 2</b> <b>Markets</b> <b>Creating value at a commodity level</b> Ashley Wiese, Nuffield Scholar	<b>SESSION 3</b> <b>Weed Management</b> <b>Weed management systems in Canada (1)</b> Tom Wolf, Agrimetrix, Canada	<b>SESSION 4</b> <b>Technology</b> <b>Digital Agriculture: AI-based barley net blotches detection in data scarcity context</b> Ferdous Sohel, Murdoch University
12.00 pm	<b>5-minute moving</b>			
12.05 pm	<b>Stacking up the benefits of a Double Break crop rotation</b> Nathan Craig, West Midlands Group	<b>Identifying opportunities for oats, stepping through global trends to product innovation</b> Hemali Kanthilanka, AEGIC	<b>Weed management systems in Canada (2)</b> Tom Wolf, Agrimetrix, Canada	<b>Hyperspectral satellites can accurately detect nitrogen in crops</b> George Marangos-Gilks, Messium, UK
12.35 pm	<b>LUNCH</b>			
1.40 pm	<b>SESSION 5</b> <b>Farming Systems</b> <b>Key learnings from six years of farming systems trials in southern NSW applicable to WA</b> John Kirkegaard, CSIRO	<b>SESSION 6</b> <b>Cereals</b> <b>Benchmarking Australian wheat performance: challenges and opportunities</b> Larisa Cato, AEGIC	<b>SESSION 7</b> <b>Disease Management</b> <b>Outcomes from 5 years researching spot form net blotch (SFNB) management in low rainfall areas</b> Jason Bradley, DPIRD	<b>SESSION 8</b> <b>New Researchers</b> <b>Snapshots from new or early career researchers on grain projects they are involved in</b>
2.10 pm	<b>5-minute moving</b>			
2.15 pm	<b>WA Farming Systems project – results from initial rotation trials</b> Martin Harries, DPIRD	<b>Goldie, Minnie and Koala: are they different from Bannister?</b> Hamid Shirdelmoghanloo & Blakely Paynter, DPIRD	<b>Flag smut of wheat; how to respond to 2024</b> Geoff Thomas, DPIRD	
2.45 pm	<b>5-minute moving</b>			
2.50 pm	<b>New tools to predict crop flowering</b> Chris Helliwell, CSIRO	<b>Agronomy of oaten hay: exploring relationships between quality variables</b> Bronte Wackett, DPIRD	<b>Bioscout: new technology is helping aid prediction of disease incidence</b> Dror Dagan, Bioscout,	
3.20 pm	<b>AFTERNOON TEA</b>			
4.00 pm	<b>SESSION 9</b> <b>Grain Career Opportunities</b> <b>Career opportunities in the grains industry</b> Bob Nixon facilitating a panel of early to mid-career people showing the diversity of career opportunities.	<b>SESSION 10</b> <b>ESG</b> <b>Regenerative Agriculture: Understanding the intent, practices, benefits and disbenefits</b> Hanabeth Luke, Southern Cross University	<b>SESSION 11</b> <b>Disease Management</b> <b>Managing Lupin Sclerotinia: Know your risk and how to respond</b> Ciara Beard, DPIRD	<b>SESSION 12</b> <b>Water Management</b> <b>Now-casting of plant available water (PAW) at any point in time, within and across paddocks</b> Thomas Bishop, University of Sydney
4.30 pm	<b>5-minute moving</b>			
4.35 pm		<b>Increasing momentum behind on-farm sustainability accreditation and developing market signals</b> Rosemary Richards, Sustainable Grains Australia	<b>Breeding sclerotinia resistance in canola: progress so far and lessons from the Canadians</b> Mark Derbyshire, CCDM	<b>Drainage Dollars: Unearthing the ROI of sub-surface drainage in Albany port zone, WA</b> Phillip Honey, Stirlings to Coast Farmers
5.05 pm	<b>NETWORKING SUNDOWNER</b>			



## PROGRAM DAY 2 – 25 FEBRUARY

8.30 am	<b>WELCOME COFFEE</b>			
9.00 am	Welcome Back – Peter Bird, GRDC			
9.10 am	<b>PLENARY SESSION 2</b>			
	Harnessing AI for the future of precision agriculture, Raj Khosla, Kansas State University, USA			
9.55 am	10-minute moving			
10.05 am	<b>SESSION 13</b> <b>Wheat</b> Review of new wheat varieties, Dion Nicol, DPIRD	<b>SESSION 14</b> <b>Canola</b> Canola emergence – understanding the fundamentals and management approaches to improve establishment. Andrew Fletcher and Matthew Nelson, CSIRO	<b>SESSION 15</b> <b>Farming Systems</b> Predicting nitrogen cycling and losses in Australia cropping systems: augmenting measurements to enhance modelling. Louise Barton, UWA	<b>SESSION 16</b> <b>Weed Management</b> Are we facing a glyphosate resistance crisis? Roberto Busi, UWA
10.35 am	5-minute moving			
10.40 am	An update on the national GRDC/CSIRO funded long coleoptile wheat project, and latest trial results from Western Australia. Michael Lamond, SLR Agriculture	Opportunities for improved canola establishment in the low rainfall zones of WA. Chloe Rout, Living Farm	On-farm Operations Optimisation – Stage 1: Understanding the challenges of Australian growers. Alice Butler, Farmanco and Bindi Isbister, Agrarian	Barley grass and brome grass control in barley. Harmohinder Dhammu, DPIRD
11.10 am	<b>MORNING TEA</b>			
11.45 am	<b>SESSION 17</b> <b>Barley Weed Management</b> Maximising barley productivity: variety choice and management influences. Blakely Paynter, DPIRD	<b>SESSION 18</b> <b>Pest Management</b> Update on hard to kill pests: snails, resistant red legged earth mite and Desiantha weevil. Svetlana Micic, DPIRD	<b>SESSION 19</b> <b>Nutrition</b> Growing summer active legumes for winter nitrogen in the high rainfall zone of WA. Dan Fay, Stirlings to Coast Farmers	<b>SESSION 20</b> <b>Crop Protection</b> Geospatial mapping of resistance to fungicides; informing disease management practice. Leon Hodgson, CCDM
12.15 pm	5-minute moving			
12.20 pm	Persistence of residual herbicides and impact on crops. Tom Edwards, DPIRD	Building capacity and capability of mouse surveillance and management in WA. Blake O’Meagher, Farmanco	Effectiveness of foliar applied phosphorus in wheat is influenced by soil phosphorus buffering. Raj Malik, DPIRD	Growing canola without pest spray applications. Andrew Phillips and Svetlana Micic, DPIRD
12.50 pm	<b>LUNCH</b>			
1.40 pm	<b>FOCUS SESSION 1</b> CROP MANAGEMENT UNDER TIGHTER CHEMICAL CONTROLS	<b>FOCUS SESSION 2</b> PLANT NUTRITION	<b>FOCUS SESSION 3</b> GRAIN AUTOMATE	
3.10 pm	15-minute moving			
3.25 pm	<b>PLENARY SESSION 3</b>			
	AI, big data analytics and machine learning to reduce and mitigate grain crop risks and automate daily activities, Chad Jennings, Almanac			
4.10 pm	GRDC closing comments. Peter Bird, GRDC			
4.15 pm	<b>SPONSORS AND SPEAKERS’ SUNDOWNER – All attendees welcome</b>			