



PROGRAM DAY 1 – 24 FEBRUARY

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



PROGRAM DAY 2 – 25 FEBRUARY

8.30 am	WELCOME COFFEE			
9.00 am	Welcome Back – Peter Bird, GRDC			
9.10 am	PLENARY SESSION 2			
	Harnessing AI for the future of precision agriculture, Raj Khosal, Kansas State University, USA			
9.55 am	10-minute moving			
10.05 am	SESSION 13 Wheat	SESSION 14 Canola	SESSION 15 Farming systems	SESSION 16 Weed Management
	Review of new wheat varieties, Dion Nicol, DPIRD	Canola emergence – understanding the fundamentals and management approaches to improve establishment. Andrew Fletcher and Matthew Nelson, CSIRO	Predicting Nitrogen Cycling and Losses in Australia Cropping Systems Louise Barton, UWA	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,	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	MORNING TEA			
11.45 am	SESSION 17 Barley Weed Mgmt	SESSION 18 Pest Management	SESSION 19 Nutrition	SESSION 20 Crop Protection
	Maximising barley productivity: variety choice and management influences Blakely Paynter, DPIRD	Update on hard to kill pests: snails, resistant red legged earth mite and Desiantha weevil Svetlana Micic, DPIRD	Growing Summer Active Legumes for Winter Nitrogen in the High Rainfall Zone of WA Dan Fay, Stirlings to Coast Farmers	Fungicide resistance mapped at the regional scale – How close is resistance to your farm? Leon Hodgson, CCDM
12.15 pm	5-minute moving			
12.20 pm	Persistence of residual herbicides and impact on crops TBA	Building capacity and capability of mouse surveillance and management in WA Blake O’Meagher, Farmanco	Wheat response to foliar applied phosphorus is determined by soil phosphorus buffering Raj Malik, DPIRD	Growing canola without pest spray applications Andrew Phillips and Svetlana Micic, DPIRD
12.50 pm	LUNCH			
1.40 pm	FOCUS SESSION 1	FOCUS SESSION 2	FOCUS SESSION 3	
	PEST MANAGEMENT UNDER TIGHTER CHEMICAL CONTROLS	PLANT NUTRITION	GRAIN AUTOMATE	
3.10 pm	15-minute moving			
3.25 pm	PLENARY SESSION 3			
	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	SPONSORS AND SPEAKERS’ SUNDOWNER – All attendees welcome			