

BelleVue Ballroom 2

Meeting Room 2/3

River View 4

River View 5

Program DAY 1 — Monday 26 February 2024

8.00 am	REGISTRATION AND COFFEE				
8.45 am	PLENARY SESSION 1				
8.45 am	Welcome — Darrin Lee, GRDC Western Panel Future directions for GRDC investments — John Woods, Chair GRDC				
9.10 am	GRDC award presentations				
9.25 am	Global factors affecting grain markets for the rest of the decade — Dennis Richardson AC, Former Director General of ASIO, Ambassador to USA, Secretary DFAT and Secretary Defence				
10.05 am	Changing demographics and what it means for the demand for grains — Simon Kuestenmacher, The Demographics Group				
10.50 am	MORNING TEA				
11.30 am	SESSION 1 Wheat	SESSION 2 Markets	SESSION 3 Soils	SESSION 4 Technology	
11.30 am	Can wheat beat the heat? Rebecca Thistlethwaite, University of Sydney, and Dion Nicol, DPIRD	Looking ahead to the African opportunity? Chris Carter, AEGIC	To rip on or off the old rip line: a case study on deep ripping and topsoil inclusion in a dry season at a paddock scale Bindi Isbister, DPIRD	RiskWi\$e: practical paths to getting farm management decisions more right more often Rick Llewellyn, CSIRO, and James Dempster, Goldsand Farms	
12.00 noon	5-minute moving				
12.05 pm	Feast or famine – how the current wheat varieties perform in WA Dion Nicol and Brenda Shackley, DPIRD	Supporting markets for Australian malt barley Jack King, AEGIC	Strategies to maximise groundcover and crop productivity for different timings of strategic deep tillage Wayne Parker, DPIRD	Emerging opportunities and constraints in site-specific weed control Guy Coleman, University of Sydney	
12.35 pm	LUNCH				
1.40 pm	SESSION 5 Canola and Oats	SESSION 6 Emissions	SESSION 7 Soils	SESSION 8 New Researchers	
1.40 pm	Understanding canola seed bed conditions and the implications for establishment Andrew Fletcher, CSIRO	Emissions through the lens of productivity: how do nitrogen and lime affect both? Sud Kharel, DPIRD	Unearthing the financial and production impact of soil amelioration for farm businesses in WA Peter Newman, Planfarm	Snapshots from new or early career researchers on grain projects they are involved in	
2.10 pm	5-minute moving				
2.15 pm	Agronomic and financial outcomes associated with retaining seeds from both Spring and Winter canola hybrids Andrew Heinrich, Pacific Seeds	2035 greenhouse gas modelling projections for the WA grains industry Christophe d'Abbadie and Johnny Machon, DPIRD	Benchmarking the effect of deep soil mixing on crop yield and soil properties in the Great Southern Alice Butler, DPIRD		
2.45 pm	5-minute moving				
2.50 pm	Accessing Beta-glucan in our daily diets Jack King, AEGIC	Carbon neutral grain – reducing emissions for grain pre and post farmgate Jane Wardle, CBH Group	Managing ironstone gravel soils Fran Brailsford, SoilsWest		
3.20 pm	AFTERNOON TEA				
4.00 pm	SESSION 9 Grain Career Opportunities	SESSION 10 Barley	SESSION 11 Soils	SESSION 12 Climate and Weather	
4.00 pm	Career opportunities in the grains industry Bob Nixon, GRDC, facilitating a panel:	Rethinking flowering times in barley Felicity Harris, CSU	Strategies to reduce herbicide damage after strategic deep tillage Tom Edwards, DPIRD	Investigating the impact of ENSO and IOD on the South West Land Division Meredith Guthrie, DPIRD	
4.30 pm	5-minute moving				
4.35 pm	<ul style="list-style-type: none"> Hon. Jackie Jarvis MLC; Nigel Hart, GRDC; Simon Stead, CBH Group; Tress Walmsley, InterGrain; Peter Roberts, Mt Burdett Foundation 	Barley varieties and agronomic tips Blakely Paynter, DPIRD	Weed dynamics and herbicide efficacy in ameliorated soil Arslan Peerzada, DPIRD	Always take the weather with you: how to get the most out of computer models in your pocket Claire Yeo, BoM	
5.05 pm	NETWORKING SUNDOWNER				

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Program DAY 2 — Tuesday 27 February 2024

8.30 am	WELCOME COFFEE			
9.10 am	Welcome back — Peter Bird, GRDC			
9.10 am	PLENARY SESSION 2			
9.10 am	New technology for accelerated plant breeding — Ponsi Trivisvavet, INARI, USA			
9.55 am	10-minute moving			
10.05 am	SESSION 13 Managing Abiotic Stresses	SESSION 14 Weed Management	SESSION 15 Diseases – Barley	SESSION 16 Nutrition
10.05 am	Managing frost and heat David Deery, CSIRO	How we best manage glyphosate and paraquat resistance in ryegrass Roberto Busi, AHRI	Barley cohort four-year project reveals true story of net blotch fungicide resistance in southern WA Linda Thomson, CCDM DMI and SDHI resistance in spot-form net blotch in WA: a guide for adjusting fungicide treatment programmes when resistance is developing Ayalsew Zerihun, CCDM	Investigating urease and nitrification inhibitors to improve nitrogen use efficiency in WA cropping Peter Rees, CSBP
10.35 am	5-minute moving			
10.40 am	Management of ice nucleating bacteria Amanuel Bekuma, DPIRD	Novel weed control technologies under development in the USA Michael Walsh, UWA	Response of barley varieties to disease and the 2022 season Andrea Hills, DPIRD	Managing potassium nutrition in cereals and canola for this season Andreas Neuhaus, CSBP
11.10 am	MORNING TEA			
11.45 am	SESSION 17 Agronomy	SESSION 18 Weed Management	SESSION 19 Diseases – Wheat and Canola	SESSION 20 General
11.45 am	Agronomic and economic benefits of fallow in the low rainfall zone of WA Darren Hughes, Laconik	Weed control and crop nutrition in high standing residue systems in the northern ag region of WA Grant Thompson and Chloe Paterson, Crop Circle Consulting and Research	Resistance to yellow spot in wheat bolstered by gene stacking and MAGIC Manisha Shankar, DPIRD	Agricultural machinery scale trials and their benefits in understanding new agricultural products Mary-Anne Lowe, AxisTech
12.15 pm	5-minute moving			
12.20 pm	Agronomic intervention to enhance the nutritional quality of Australian wheat: securing future market access Tona Sanchez-Palacios, Murdoch	Optimum GLY® herbicide technology Peter Bostock, Pioneer Seeds	Sclerotinia in canola update: current understanding, emerging opportunities, and knowledge gaps Pippa Michael, CCDM, Sarita Bennett, Curtin University, and Ciara Beard, DPIRD	Lessons learned from five years of monitoring diamondback moths and larvae across all port zones Dusty Severtson, DPIRD
12.50 pm	LUNCH			

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Program DAY 2 — Tuesday 27 February 2024 (continued)

1.40 pm	FOCUS SESSION 1 Sustainability	FOCUS SESSION 2 New Breeding Technology	FOCUS SESSION 3 Legumes	FOCUS SESSION 4 Reports on Major Industry Investments
1.40 pm	SUSTAINABILITY STOCKTAKE OF THE WA GRAINS INDUSTRY <ul style="list-style-type: none"> Introduction Stephen Loss, GRDC Interpreting climate risk for individual farms Stephanie Dickson, BoM What are our export customers for our grain thinking about sustainability Jane Wardle, CBH Group Government and business policies driving sustainability and reduced emissions to Net Zero targets Crawford Taylor, Rabobank Update on carbon calculators – which one should I use? Ben White, Kondinin Group A grower's perspective on sustainability and emissions reduction Dylan Hirsch, grower, Latham 	BREEDING TECHNOLOGY USED TO FAST-TRACK NEW VARIETIES <ul style="list-style-type: none"> Introduction Tress Walmsley, InterGrain Navigating the global regulatory landscape for gene technologies Carl Ramage, Rautaki Solutions New technology for accelerated plant breeding Ponsi Trivisvavet, INARI PANEL DISCUSSION – Are we fully utilising the latest plant breeding technology in Australia? <ul style="list-style-type: none"> Carl Ramage, Rautaki Solutions Camilla Hill, GRDC Yong Han, DPIRD Dion Bennett, AGT 	LEGUMES AND LUPINS IN THE SYSTEM <ul style="list-style-type: none"> Introduction Mark Sweetingham LEGUMES <ul style="list-style-type: none"> Aerial seeded pasture legumes to increase biologically fixed nitrogen in WA soils Rob Harrison, DPIRD Closing the economic yield gap of grain legumes Daniel Kidd, Grower Group Alliance, with growers Jason Batten, Yuna, and Ed Naisbitt, Lake Grace LUPINS <ul style="list-style-type: none"> New lupin varieties Matt Aubert, AGT Bringing lupins towards the global ingredient market Ben Cole, Wide Open Agriculture LUPIN PANEL DISCUSSION	GRAIN AUTOMATE <ul style="list-style-type: none"> Overview Tom Giles and Jake Humpal, GRDC On-farm operations optimisation: operational planning solutions Bindi Isbister, Agrarian Management Earth observation, analytics and AI Tim Neale, Data Farming DROUGHT HUB PROGRAM <ul style="list-style-type: none"> Introduction Mark Holland, Grower Group Alliance Digital Edge: Next generation agribusiness analytics Julia Easton, Curtin University, with Clint Della Bosca, grower, Southern Cross WaterSmart Dams: dry years, herbicide efficacy and water quality Bonny Stutsel and Roberto Lujan Rocha, UWA
3.40 pm	10-minute moving			
3.50 pm	PLENARY 3			
3.50 pm	Future innovations for farm machinery to improve productivity and sustainability of grain growing — Reflections on future machinery and technology improvements that will benefit WA grain growers, including innovations seen at Agritechnica 2023. Ben White and Josh Giumelli, Kondinin Group, will be joined by Rod Messina, Mullewa, and Jake Humpal, GRDC			
4.50 pm	GRDC closing comments — Peter Bird, GRDC			
5.00 pm	SPONSORS AND SPEAKERS' SUNDOWNER – All attendees welcome			

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