

Program DAY 1 — Monday 26th February 2018

8.00 am	Registration & Coffee			
9.00 am	PLENARY 1 — Crown Ballroom 1			
9.00 am	Welcome — Peter Roberts, Chairman, GRDC Western Panel			
	GRDC INVESTMENT DIRECTIONS			
9.10 am	Future directions for GRDC investments in grains RD&E — John Woods, Chair, GRDC			
	'Seed of Light' Presentation — Peter Roberts, Chairman, GRDC Western Panel			
	INNOVATION			
9.30 am	Practical implementation of controlled traffic grain farming — Brady Green, Yuna			
9.55 am	Application of variable rate technology in the livestock sector and impacts on cropping enterprises Jack England, Kingston, South Australia			
10.20 am	Closing the yield gap — John Stevenson, Warakirri Cropping, NSW			
10.45 am	Morning Tea			
11.15 am	PLENARY 2 — Crown Ballroom 1			
	THE IMPACT OF NEW ENABLING GRAIN BREEDING TECHNOLOGIES FOR AUSTRALIAN GRAIN GROWERS			
11.15 am	Outlook on current and future biotechnology for wheat breeding — Todd Gaines, Colorado State University, USA			
11.40 am	The state of grain breeding activity in Australia — are we at the leading edge? — Dr Haydn Kuchel, AGT Breeding			
12.00 pm	GRDC's investment in the area of enabling technologies — Dr Nicole Jensen, GRDC			
12.15 pm	Q&A with all three presenters			
12.40 pm	Lunch			
1.40 pm	SESSION 1 — Wheat varieties and agronomy	SESSION 2 — Weather management strategies	SESSION 3 — Soil management	SESSION 4 — Weeds – managing herbicide resistance
	Is April the best sowing opportunity for wheat or are there other opportunities with barley and oats? Raj Malik and Jeremy Curry, DPIRD	An overview of crop performance in Western Australia in the 21st century — opportunities and constraints David Stephens, Agrometeorology Australia	Understanding the impact of a comprehensive range of strategic deep tillage practices on crop performance and soil properties for two repellent soil types Stephen Davies, DPIRD and Tim Boyes, AgVivo	Current levels of herbicide resistance in key weed species Mechelle Owen, AHRI
2.10 pm	10 Min Moving			
2.20 pm	Driving increased competitiveness in cereals Greg Rebetzke, CSIRO	Can seasonal forecasting improve grower profitability? Meredith Guthrie, DPIRD	Longer-term effects of spading, mouldboard ploughing and claying on the south coast of WA David Hall, DPIRD	Can we detect resistance in real time? Roberto Busi, AHRI
2.50 pm	10 Min Moving			
3.00 pm	Wheat variety performance across WA in the 2017 National Variety Trials Dion Nicol, DPIRD	The next generation of crop monitoring and forecasting products for Australian agriculture Roger Lawes, CSIRO	How often does subsoil amelioration pay the bills? Phil Ward, CSIRO	Management strategies for herbicide resistance Peter Boutsalis, University of Adelaide
3.30 pm	Afternoon Tea			
4.00 pm	SESSION 5 — Break crops and rotations	SESSION 6 — Linking agronomy to the market	SESSION 7 — Nutrition management	SESSION 8 — Disease management
	What causes the yield gap and what are the potential gains that can be made? Roger Lawes, CSIRO	Malting barley quality preferences in China Mary Raynes, AEGIC	Just how much are nutrients redistributed unevenly across the paddock when canola and wheat is windrowed? Wayne Pluske, Equi	Fungicide resistance – discoveries in barley net blotches pave the way to better understanding of the resistance Fran Lopez-Ruiz, CCDM
4.30 pm	10 Min Moving			
4.40 pm	Break crop yields benchmarked against wheat in WA Andrew Fletcher, CSIRO	Wheat quality preferences in Vietnam and Thailand (incl. protein focus) Larisa Cato, AEGIC	Economic perspectives on nitrogen in farming systems David Pannell, UWA	Factors that influence sclerotinia infection Sarita Bennett, CCDM
5.10 pm	10 Min Moving			
5.20 pm	Still loving those legumes — more adventures with lentils, beans, chickpeas, lupin and field peas Mark Seymour, DPIRD	Are Australia's grain supply chain costs getting cheaper? Peter White, AEGIC	Realtime soil tests in the field? Science fiction or just over the horizon? Sean Mason, APAL	What's new in controlling sclerotinia and blackleg in canola Ciara Beard and Art Diggle, DPIRD
6.00 to 7.30 pm	Networking Sundowner sponsored by the CBH Group			

Program DAY 2 — Tuesday 27th February 2018

7.15 am	Breakfast Registration			
7.30 am	GIWA Breakfast sponsored by the Australian Export Grains Innovation Centre Changes in the world wheat market over the last decade and implications for U.S. Wheat Associates Vince Peterson, President, U.S. Wheat Associates			
8.45 am	15 Min Moving			
9.00 am	SESSION 9 — Crop varieties and agronomy	SESSION 10 — Nutrition	SESSION 11 — Weed management	SESSION 12 — Diseases
	Barley varieties update — RGT Planet and Spartacus CL — what do we know about these barley varieties? Blakely Paynter, DPIRD	Fertiliser decisions after dry and low yielding years Mark Gherardi, Summit Fertilizers	Understanding interactions between pre-emergent herbicides and inversion tillage Tom Edwards, DPIRD	PREDICTA® B update and characterising soil borne disease risk in the eastern wheatbelt Alan McKay, SARDI and Kylie Chambers, DPIRD
9.30 am	10 Min Moving			
9.40 am	Yardstick trial: A grower group's solution to reducing wheat and barley variety selection risk for their low rainfall farming system Jenni Clausen, DPIRD	Evaluating novel materials for ameliorating aluminium toxicity in acidic soils Paul Damon, UWA	Drones and weeds — the real story Peter Newman, Planfarm	Oats, pastures and other legumes — are rotations offering breaks for root lesion nematodes or crown rot? Sarah Collins and Daniel Huberli, DPIRD
10.10 am	Morning Tea			
10.40 am	SESSION 13 — Crop varieties and agronomy	SESSION 14 — Soil management	SESSION 15 — Pest management	SESSION 16 — General
	Oat agronomy — tips and tricks for 2018 Georgie Troup, DPIRD	Implications of managing soil water repellence Stephen Davies and Giacomo Betti, DPIRD	Apps, traps and LAMP's: 'Smart' improvements to pest and disease management Dustin Severtson, Christiaan Valentine and Ben Congdon, DPIRD	Herbicide tolerance of canola and oat varieties Harmohinder Dhammu, DPIRD
11.10 am	10 Min Moving			
11.20 am	Optimising grain yield of canola in Western Australia, accounting for frost and heat stress risk Imma Farre, DPIRD	A decision tool to estimate the economic benefits from soil amelioration at a paddock and industry scale Elizabeth Petersen, DPIRD	Solutions for snail control Svetlana Micic, DPIRD and Scott Smith, Grower	Sustainability of continuous wheat sequences in relation to root diseases in low rainfall eastern wheatbelt Bob French, DPIRD
11.50 am	Lunch			
1.00 pm	PLENARY 3			
	1.00 pm	Hands free grain farming Martin Abell, Precision Agriculture, UK		
		An Australian perspective on the prospects for robotic farming Ben White, Kondinin Group		
	2.00 pm	Closing comments Peter Roberts, Chairman, GRDC Western Panel		
2.15 pm	15 Min Moving			
2.30 pm	FOCUS SESSIONS			
	Focus Session 1	Focus Session 2	Focus Session 3	Focus Session 4
	GRDC Directions — Convenor: Charlie Thorn	Industry good activities for the grains industry — Convenor: Richard Hudson	Making digital ag technologies work for WA grain growers — Convenor: Simon Cook	Grower experiences in soil renovation — Convenor: Geoff Fosbery
				Focus Session 5
				Crop nutrition research priorities — Convenor: Phil Ward
4.30 pm	Close			
4.30 – 5.30pm	Speakers and sponsors thank you refreshments			