

## Program DAY 1 — Monday 24th February 2020

8.00 am	<b>REGISTRATION &amp; COFFEE</b>			
9.00 am	<b>PLENARY 1 – Crown Ballroom 1</b>			
9.00 am	Welcome and opening of Updates — Darrin Lee, Chairman, Western Panel			
	<b>GRDC INVESTMENT DIRECTIONS</b>			
9.10 am	Opening and future directions for GRDC investments in grains RD&E — John Woods, Chairman GRDC			
	'Seed of Light' presentation — John Woods and Darrin Lee			
	<b>GRAINS RD&amp;E IN THE UNITED KINGDOM</b>			
9.30 am	The Grains RD&E landscape in the United Kingdom			
	Tina Barsby, NIAB Crop Science, UK			
10.10 am	Cereal production in the UK with regulation, resistance and climate change			
	Keith Norman, UK Farm Management Specialist			
11.00 am	<b>MORNING TEA</b>			
11.30 am	<b>SESSION 1 — The big picture</b>	<b>SESSION 2 — Management of soil constraints</b>	<b>SESSION 3 — Agronomy</b>	<b>SESSION 4 — Crop protection – Weeds</b>
	Farming in the digital age Andrew Slade, grower from Kendenup, Western Australia	West to South: a regional comparison of sandy soil constraints and yield responses to amelioration Stephen Davies, DPIRD	2019 canola NVT results and variety choices for 2020 Jackie Bucat, DPIRD	Update on herbicide resistance in the WA grainbelt and future management challenges Hugh Beckie and Mechelle Owen, AHRI
12.05 pm	<b>5 Min Moving</b>			
12.10 pm	Improving soil health using animal manure and/or cover cropping Grant Pontifex, grower from Paskeville, South Australia	Re-engineering subsoils of pale deep sands Tom Edwards, DPIRD	Exploring the effects of seed size and target plant densities on the yield of hybrid canola across Australia Justin Kudnig, Pacific Seeds	The continuing evolution of Harvest Weed Seed and Chaff systems Peter Newman, AHRI
12.40 pm	<b>LUNCH</b>			

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## Program DAY 1 – Monday 24th February 2020 (continued)

<b>1.40 pm</b>	<b>SESSION 5 – The big picture for wheat</b>	<b>SESSION 6 – Nutrition management</b>	<b>SESSION 7 – Agronomy</b>	<b>SESSION 8 – Crop protection – Weeds</b>
	A glimpse into the future for the Western Australian wheat industry Richard Simonaitis, CEO, AEGIC	Soil sampling and variability – what does this mean for your nutrient decision? Yvette Oliver, CSIRO	Barley varieties and agronomy tips for 2020 Jeremy Curry, DPIRD	Pre-emergent herbicide: a review of what we know and need to know Roger Mandel, BASF
<b>2.10 pm</b>	<b>5 Min Moving</b>			
<b>2.15 pm</b>	Gains in grains – is Australia producing the most profitable quality of wheat? Luke Mathews, GGL	Near-infrared spectroscopy for real-time in-field nutrient analysis of fresh plant material Doug Hamilton, CSBP Fertilisers	Pulse agronomy and breeding update Mark Seymour and Stacey Hansch, DPIRD	What do we know of new herbicides for annual ryegrass and wild radish control? Roberto Busi, AHRI
<b>2.45 pm</b>	<b>5 Min Moving</b>			
<b>2.50 pm</b>	Market differentiation opportunities for the WA wheat industry – a series of case studies Tress Walmsley, InterGrain	Can crop sensors help make a nitrogen management decision? Jonathan Richetti, CSIRO	Can double break crop rotations be effective AND profitable across the wheatbelt? Nathan Craig, West Midlands Group  Sowing flexibility of chickpea and lentil in the WA farming system Sarah Rich, CSIRO	Pre-emergence herbicides and crop competition for effective management of annual ryegrass Facundo Cortese and Roberto Lujan, AHRI
<b>3.20 pm</b>	<b>AFTERNOON TEA</b>			
<b>3.50 pm</b>	<b>SESSION 9 – The big picture</b>	<b>SESSION 10 – Crop protection</b>	<b>SESSION 11 – Agronomy</b>	<b>SESSION 12 – Crop protection – Weeds</b>
	Progress on GRDC projects from the Australia-China Joint Centre for Wheat Improvement Wujan Ma, Murdoch University	“Give me a break!” – Options for paddocks infested with both root lesion nematodes and <i>Rhizoctonia solani</i> AG8 Sarah Collins, DPIRD  Targeting improved partial resistance using yield loss response curves for foliar diseases of wheat Manisha Shankar, DPIRD	The National Paddock Survey – what causes the Yield Gap in Western Australia? Roger Lawes, CSIRO	The Weed Chipper – mechanical site-specific fallow weed control Andrew Guzzomi, UWA
<b>4.25 pm</b>	<b>5 Min Moving</b>			
<b>4.30 pm</b>	The future for plant protein Michelle Colgrave, CSIRO	Chemical residues/MRLs – impact, understanding and trade issues Gerard McMullen, National Working Party on Grain Protection	Maintaining wheat yield and quality at high temperatures Richard Trethowan, University of Sydney	Great brome grass and barley grass – understand the enemy Catherine Borger, DPIRD
<b>5.00 pm</b>	<b>Networking Event – Exhibition Space</b>			

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## Program DAY 2 – Tuesday 25th February 2020

8.30 am	<b>WELCOME COFFEE</b>			
9.00 am	<b>SESSION 13 – Agronomy</b>	<b>SESSION 14 – Crop protection – Pests</b>	<b>SESSION 15 – Farming systems</b>	<b>SESSION 16 – Disease management</b>
	Wheat variety performance and insights from the 2019 season Dion Nicol, DPIRD	Where to now with redlegged earth mite resistance Svetlana Micic, DPIRD <hr/> Snail management – slowing the snail menace Sarah Belli and Svetlana Micic, DPIRD	Regen Agriculture – a grower’s perspective Stuart McAlpine, grower from Buntine	A tale of two wheat diseases – new research could change our understanding of the impact of Yellow Spot and Septoria Nodorum Blotch in WA Ayalsew Zerihun and Mark Gibberd, Centre for Crop and Disease Management
9.30 am	<b>5 Min Moving</b>			
9.35 am	What are the optimal flowering periods for wheat across WA and how will they change with potential climate change? Andrew Fletcher, CSIRO	Consultant experience implementing IPM programs with growers Iain Macpherson, Macpherson Agricultural Consultants	Can we double water use efficiency with ‘Strip and Disc’ farming? Peter Newman, Planfarm	Azole Resistance in spot form of net blotch in Western Australia <hr/> Battling net blotch in barley – when co-innovation goes to work in WA’s south – resistance detection and in-field solutions Fran Lopez-Ruiz, Centre for Crop and Disease Management
10.10 am	<b>MORNING TEA</b>			
10.45 am	<b>SESSION 17 – Farming systems</b>	<b>SESSION 18 – Research snapshots</b>	<b>SESSION 19 – Management of soil constraints</b>	<b>SESSION 20 – Crop Protection – Disease management</b>
	Crop type, sowing date, nitrogen and seeding rate which is the biggest frost risk management lever? Ben Biddulph, DPIRD	Impacts of liming and pasture rotations on wheat yield in the low rainfall zone Daniel Kidd, University of Western Australia <hr/> What trials are telling us about the nutrition piece of the optimum returns puzzle after soil amelioration? Mark Gherardi, Summit	WA standing on subsoil compaction management: outcomes of five years of research Wayne Parker, DPIRD	<b>National Blackleg Report</b> Angela van de Wouw, University of Melbourne
11.15 am	<b>5 Min Moving</b>			
11.20 am	The potential role of companion and intercropping in Australian grain farming systems. Should we be considering them? Andrew Fletcher, CSIRO	Faba beans on south-coast sandplain after soil amelioration Carla Milazzo, DPIRD <hr/> Pulse performance in a poor season King Yin Lui, DPIRD <hr/> The impact of dry sowing on the nodulation and N <sub>2</sub> fixation of chickpea George Mwenda, DPIRD	Lessons learnt from soil amelioration bloopers Bindi Isbister, DPIRD	Fungicide strategies for oats to maximise profit Trent Butcher, ConsultAg <hr/> Strobilurin fungicides protect oaten hay from weather damage – myth or fact? Kylie Chambers, DPIRD
12.00 pm	<b>LUNCH</b>			

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# Program DAY 2 — Tuesday 25th February 2020 *(continued)*

12.40 pm FOCUS SESSIONS				
	Research snapshots	Focus Session 1	Focus Session 2	Focus Session 3
12.40 pm	A new approach to managing loose smut on barley Kith Jayasena, DPIRD	Whacky weather for wheat – growing crops in WA under today's and tomorrow's climate Convenor: David Bowran	External crop protection challenges Convenor: Stephen Powles	Taking back control of pest management Convenor: Iain Macpherson
1.10 pm	Managing Spot Type Net Blotch in the medium rainfall zone Trent Butcher, ConsultAg			
1.45 pm	Taking on the toxins – how we're working to better understand the mechanisms of yellow (tan) spot on wheat Catherine Rawlinson, CCDM			
2.00 pm	Hydroxyphenylpyruvate dioxygenase (HPPD) resistance in wild radish Huan Lu, UWA			
2.15 pm	Longevity of deep ripping on deep white sands Emma Pearse, DPIRD			
2.30 pm	Understanding the scenarios where on-farm lime sources are more cost effective than coastal lime sand in the Kwinana East Port zone Ashleigh Donnison, DPIRD			
2.45 pm	PLENARY 2			
	<b>TECHNOLOGY INNOVATIONS TO IMPROVE CROP RESEARCH AND GRAIN ENTERPRISE MANAGEMENT</b> <ul style="list-style-type: none"> <li>Experiences using a complete annual workflow and farming system — Brad Jones, Bungulla Farms</li> <li>BioScout — Lewis Collins, BioScout</li> <li>Plant sniffer — Jean Ristaino, North Carolina State University</li> </ul>			
4.30 pm	Close			
4.30 – 5.30pm	Sponsors and speakers thank you refreshments			

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