

**DUBBO
NSW**

**THURSDAY 29
FEBRUARY &
FRIDAY 1 MARCH 2024**

GRAINS RESEARCH UPDATE

DRIVING PROFIT THROUGH RESEARCH



Dubbo RSL, Cnr Brisbane & Wingewarra St, Dubbo, NSW 2830

The 2-day GRDC Grains Research Update at Dubbo is a 'don't miss event' for the grains industry in central NSW. Come to hear about and discuss the latest grains research information, share ideas and have a wonderful time with colleagues and friends.

grdc.com.au

Day 1 Program: Thursday 29 February 2024

9am registration for a 10am start, finish at 5:05pm

Time	Topic	Speaker(s)
9:00 am	Registration, morning tea & trade displays	
10:00 am	Welcome	GRDC
10:30 am	The science under pinning farm gate greenhouse gas (GHG) footprint	Warwick Badgery (NSW DPI)
11:05 am	GHG calculators for your grain farming business	Ben White (Kondinin Group)
11:30 am	Securing access to nitrogen for food production, a GHG perspective	Rob Norton (Norton Agronomic)
12:05 pm	Lunch	
1:05 pm	Concurrent session 1 – See concurrent sessions for details	
2:50 pm	Afternoon tea	
3:20 pm	Concurrent session 2 – See concurrent sessions for details	
5:05 pm	Close	
7:00 pm	Networking dinner & drinks at the at the Devil's Hollow Brewery 10 Commercial Ave, Blueridge Business Park Bus pick up for travel to Devils Hollow Brewery departs RSL at 6.30pm & 6.45pm, see route details in the proceedings. Supported by AGT & Sumitomo Chemical Australia	

Day 2 Program: Friday 1 March 2024

7:30–8:20am early risers session. Day sessions 8:30am start, finish by 3:05pm

Time	Topic	Speaker(s)
7:30 am	EARLY RISERS DISCUSSION SESSION The risk and reward of running a higher N budget (N banking)	Jon Baird (NSW DPI), Matt Shephard (IMAG) & Rob Norton (Norton Agronomic)
8:30 am	Concurrent session 3 – See concurrent sessions for details	
10:15 am	Morning tea	
10:45 am	Concurrent session 4 – See concurrent sessions for details	
12:30 pm	Lunch	
1:30 pm	Being certain of uncertainty: getting the most from weather and climate forecasts. How different computer models work, resources available, why they may tell different stories, and interpreting forecasts for more effective decisions.	Jonathan How (BoM)
2:05 pm	Novel weed control technologies under development in the US	Mike Walsh (University of WA)
2:35 pm	Where AI adds value to agronomic and crop decision-making now, and where might this technology be in 5 years?	Liam Ryan (GRDC)
3:05 pm	Close	

Location & Timing of Concurrent Sessions

	Theatrette	Starlite 1 & 2	Starlite 3
Day 1 – Session 1	Farming systems and aphids	Weeds	Barley net blotch, cereal rusts and sclerotinia in canola
Day 1 – Session 2	Farming systems and aphids	Weeds	Barley net blotch, cereal rusts and sclerotinia in canola
Day 2 – Session 3	Crown rot	Soils and technology	New tech and start-ups
Day 2 – Session 4	Crown rot	Soils and technology	New tech and start-ups

(Agenda subject to change)

Concurrent Sessions – DAY 1

Farming systems and aphids (Sessions 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
1:05 pm	3:20 pm	Emerging aphid management issues - Russian wheat aphid distribution and management of faba bean aphid <i>Zorica Duric (NSW DPI)</i>
1:35 pm	3:50 pm	Farming systems impact on soil borne disease inoculum load and risks posed <i>Steven Simpfendorfer (NSW DPI)</i>
2:05 pm	4:20 pm	Farming system profit over time and risk - legumes & N & the risk/reward of high N strategies <i>Jon Baird (NSW DPI)</i>

Weeds (Sessions 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
1:05 pm	3:20 pm	The residual efficacy of pre-em herbicides over time on problem weeds. An analysis of rainfall & efficacy on pre-em trials <i>Richard Daniel (Northern Grower Alliance)</i>
1:35 pm	3:50 pm	Resistance management strategies for glyphosate resistant weeds <i>Chris Preston (Uni of Adelaide)</i>
2:20 pm	4:35 pm	Consultant led discussion on integrated strategies for managing annual ryegrass in central western NSW. <i>Richard Daniel (NGA), Chris Preston (Uni of Adelaide), Greg Condon (WeedSmart), Mick Harris (AGnVET), Glenn Shepherd (IMAG)</i>

Barley net blotch, cereal rusts and sclerotinia in canola (Sessions 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
1:05 pm	3:20 pm	Efficiently limiting yield loss from net-blotch in barley - a meta-analysis and an overview of decision support tools guiding the economics of fungicide use in cereals and canola <i>Paul Melloy (Uni of Qld)</i>
1:35 pm	3:50 pm	Rust management issues in 2024 <i>Mumta Chhetri (Uni of Sydney PBI)</i>
2:05 pm	4:20 pm	Sclerotinia in canola - its epidemiology and predicting when fungicide interventions are likely to be economic <i>Kurt Lindbeck (NSW DPI)</i>
2:20 pm	4:35 pm	Sclerotinia in canola - How well did the Sclerotinia CM App predict fungicide responses in central western NSW trials in recent wet seasons and were there common reasons for outliers? <i>Maurie Street (Grain Orana Alliance)</i>
2:35 pm	4:50 pm	Canola disease discussion

Concurrent Sessions – DAY 2

Crown rot (Sessions 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
8:30 am	10:45 am	Strategies to reduce yield loss from crown rot – performance of Victrato®, strategies to reduce inoculum load and resistance and stewardship for Victrato <i>Steven Simpfendorfer (NSW DPI)</i>
9:00 am	11:15 am	Wheat yield and quality impacts of crown-rot with different sowing rates, nitrogen rates and varieties in a water limited year <i>Ben O'Brien (Grain Orana Alliance)</i>
9:30 am	11:45 am	A foe in the fallow: what happens with crown rot between seasons? <i>Toni Petronaitis (NSW DPI)</i>
10:00 am	12:15 pm	Consultant led panel session - managing inoculum load over time

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Soil and technology (Sessions 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
8:30 am	10:45 am	The economic response of long-term soil amelioration strategies. Testing for aggregate stability & diagnosis: creating an amelioration plan: the economics of amelioration <i>Chris Guppy (UNE)</i>
9:00 am	11:15 am	Mapping soil constraints in 3D for more informed decisions on crop inputs and soil amelioration – a new decision support tool <i>Ned Skehan (Optisoil)</i>
9:30 am	11:45 am	Sensors, automation, data and Ag Tech – setting the farm up for the future <i>Tim Neale (DataFarming)</i>
10:00 am	12:15 pm	Predicting, mapping and understanding the drivers of grain protein variability using John Deere's Harvestlab 3000 Grain Sensing System (PhD presentation) <i>Mikaela Tilse (University of Sydney)</i>

New tech and start-ups (Session 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
8:30 am	10:45 am	Integrating soil moisture sensors on sowing equipment to optimise seeding depth and establishment <i>David Finlay (MPT)</i>
8:45 am	11:00 am	Using guided work instructions for on-farm maintenance, operation, and repair <i>Nick Walker / Liam Scanlon (Hindsite Industries)</i>
9:00 am	11:15 am	A handheld lab for better infield decision making <i>Peter Johnston (Hone Ag)</i>
9:15 am	11:30 am	Robust remote area connectivity solutions <i>Rob Lansdown (Zetify)</i>
9:30 am	11:45 am	Automated agricultural disease detection <i>Karla Gartshore (BioScout)</i>
9:45 am	12:00 pm	Manage environmental data such as soil tests for fertiliser budgets, or developing carbon offset projects <i>Sam Duncan (Farmlab)</i>

Registration Form

Register online at <http://www.icanrural.com.au> or complete & mail/email or fax the attached to 02 9482 4931.
A tax invoice will be issued on receipt of payment.



I would like to register* _____ (number of people) for the following:

	Face-to-face* participation*	Face-to-face* participation*	Amount
	Standard registration (received by COB Tue 22 Feb 2024) No of participants	Late registration (received after 22 Feb 2024) No of participants	\$
Both days: Thu 29 Feb & Fri 1 Mar 2024	Cost: \$200 pp <input type="checkbox"/>	Cost: \$220 pp <input type="checkbox"/>	\$
Day 1: Thursday 29 February 2024	Cost: \$130 pp <input type="checkbox"/>	Cost: \$140 pp <input type="checkbox"/>	\$
Day 2: Friday 1 March 2024	Cost: \$130 pp <input type="checkbox"/>	Cost: \$140 pp <input type="checkbox"/>	\$
<input type="checkbox"/> I would like <input type="checkbox"/> extra copies of the proceedings (collect at conference) (\$40 each)			\$
<input type="checkbox"/> I am unable to attend but would like <input type="checkbox"/> copies of proceedings (includes postage) (\$55 each, posted after the event)			\$
Total			\$
			(GST inclusive)

Networking dinner – Thursday 29 February 2024

(Supported by AGT & Sumitomo Chemical Australia)

Free to update participants. No of participants: ☐

* Day registration covers catering & proceedings. Registrants are welcome to attend the networking event on Thursday 29 February 2024 at the Devil's Elbow Brewery. This free event is courtesy of AGT and Sumitomo Chemical Australia. You must be registered for one or both day sessions to attend.

Details for tax invoice and further correspondence:

Name:			
Organisation:			
Address:		Postcode:	
Phone:		Mobile:	
Email:			
<input type="checkbox"/> I am not a participant (i.e. the above is for tax invoice/receipt only) OR <input type="checkbox"/> I am a participant			

Participant details (fill in and tick)

Name	Email address	Mobile	Face to face		Network dinner*
			Day 1	Day 2	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Dietary requirements (include name):

Privacy

- ☐ I am happy to have my contact details retained by the Grains Research Development Corporation (GRDC) and Independent Consultants Australia Network Pty Ltd (ICAN) to communicate information regarding new developments in the grains industry. Your information will be handled in accordance with Australian Privacy Principles and the GRDC's privacy policy which can be accessed on the GRDC's website at www.grdc.com.au
- ☐ I wish my contact details to be removed from the database soon after this event.

Payment method (please tick): (Sorry Amex & Diners not accepted)

- ☐ Visa ☐ MasterCard ☐ Cheque (enclosed) – cheques should be made payable to 'ICAN Pty Ltd'

Card Number: Expiry date: / CCV Number:

Card Holder (as on card):

Signature of cardholder:

Cancellation policy

Registration fees will be refunded if you are unable to attend and we are advised two working days or more prior to the event.

Contact details

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