

GRAINS RESEARCH UPDATE 2025



Dubbo, NSW
Thursday 27 & Friday 28 February



GRAINS RESEARCH UPDATE

2025



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

PROGRAM DAY 1 – THURSDAY 27 FEBRUARY

9.00am Registration, morning tea & trade displays

10.00am Welcome

GRDC

10.30am Breeding 'system resilience' and not 'crop resistance' for reliable crop production in future climates

Greg Rebetzke (CSIRO)

11:05am N cycling and loss pathways – what don't we know and insights and questions from preliminary data sets in a major new national project

Mike Bell (Uni of Qld)

11.40am How do regenerative practices such as ley pastures and manure compare to more conventional management systems in long term farming systems trials?

Lindsay Bell (CSIRO)

12.15pm Lunch

1.15pm Concurrent session 1 – see concurrent sessions for details

3.00pm Afternoon tea

3.30pm Concurrent session 2 – See concurrent sessions for details

5.15pm Close

7:00pm Networking dinner & drinks at the Devil's Hollow Brewery
10 Commercial Ave, Blueridge Business Park

Bus pick up for travel to Devil's Hollow Brewery – see route details in the proceedings.

Dinner & drinks courtesy of AGT & Sumitomo.

PROGRAM DAY 2 – FRIDAY 28 FEBRUARY

7:30 am EARLY RISERS PHD PRESENTATIONS

- 100 day wheats: traits, varieties and agronomy to optimise yield at later sowing timings. Varietal types for late sowing windows.
- Phosphorus budgeting for grain production systems and improving phosphorus acquisition using different phosphorus sources
- Heat stress during grain-filling in wheat

Timothy Green (CSU)

Maryam Barati (Sth Cross Uni)

Mitch Clifton (NSW DPIRD)

8:30am Concurrent session 3 – see concurrent sessions for details

10:15am Morning tea

10:45am Concurrent session 4 – see concurrent sessions for details

12:30pm Lunch

1:30pm Turnip yellows virus and green peach aphid in canola; yield losses and management options

Zorica Duric (NSW DPIRD)

1:55pm Rethinking flowering date in winter cereals – comparing flowering date risk in wheat & barley

Felicity Harris (CSU)

2:30pm Glufosinate & Group 14 herbicides in double knocks: where do they fit in the farming system and how do we optimise performance?

Greg Condon (Grassroots Agronomy), Barry Haskins (AgGrow) & Mitch Allen (Nufarm)

3:10pm Close

Dubbo's 2-day GRDC Grains Research Update is not one to miss for the Central NSW grains industry. Come along to hear and discuss the latest grains research topics, share ideas and network with colleagues and friends.

Concurrent sessions location

Location	Theatrette	Starlite 1 & 2	Starlite 3
Day 1 – Session 1 & 2	Nutrition	Pot pouri	Disease
Day 2 – Session 3 & 4	Grain Automate	Spray application with Tom Wolf	Farming systems, faba beans & canola

CONCURRENT SESSIONS – Day 1

NUTRITION (SESSIONS 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
1.15pm	3.30pm	Comparing risk & reward of different N budgeting approaches – insights from farming system and RiskWi\$e research <i>Lindsay Bell (CSIRO)</i>
1.50pm	4.05pm	N loss pathways - levers to mitigate loss <i>Mike Bell (Uni of Qld)</i>
2.20pm	4.35pm	The nutritional value of manures and other organic phosphorus sources and crop P uptake over time <i>Tim McLaren (Uni of Qld)</i>
2.45pm	5.00pm	Discussion panel <i>Lindsay Bell, Mike Bell & Tim McLaren</i>

POT POURI (SESSIONS 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
1.15pm	3.30pm	Does increasing wheat sowing rates to combat weeds lead to yield or quality instability? <i>Maurie Street (GOA)</i>
1.40pm	3.55pm	Lime incorporation cost and benefit from different approaches <i>Jason Condon (CSU)</i>
2.10pm	4.25pm	Lime response on acid, low rainfall, sandy soils of south-western NSW <i>Barry Haskins (AgGrow)</i>
2.30pm	4.45pm	Grower experience with variable rate (VR) lime application <i>Nathan Simpson (Binginbar Farms)</i>
2.40pm	4.55pm	Liming panel discussion <i>Jason Condon, Barry Haskins & Nathan Simpson</i>

DISEASE (SESSIONS 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
1.15pm	3.30pm	Septoria management in wheat <i>Brad Baxter (NSW DPIRD)</i>
1.45pm	4.00pm	Regional fungicide resistance and disease management update <i>Steven Simpfendorfer (NSW DPIRD)</i>
2.15pm	4.30pm	What's stripe rust really costing us? <i>Maurie Street (GOA)</i>
2.40pm	4.55pm	Panel discussion <i>Steven Simpfendorfer, Brad Baxter, Mick Harris, Glenn Shepherd & Maurie Street</i>

CONCURRENT SESSIONS – Day 2

GRAIN AUTOMATE (SESSIONS 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
8.30am	10.45am	On farm autonomy – connectivity, robots and machinery <i>Tom Andrews (Connected Farms)</i>
9.00am	11.15am	The autonomous agronomist – automating data collection tasks for agros <i>Tim Neale (Data Farming)</i>
9.30am	11.45am	Technology to enable site-specific herbicide application or prescriptions <i>Lara Vallejo-Roosdorp & Alec Duffy (Syngenta)</i>
10.00am	12.15pm	Agronomist discussion

SPRAY APPLICATION WITH TOM WOLF (AGRIMETRIX, CANADA) (SESSIONS 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
8.30am	10.45am	Nozzle selection with pulse width modulation (PWM) and selecting the correct frequency to run these systems on Experiences with spot sprayers in Nth America – implications for resistance, economics, nozzles for systems Sprayer width & speed impacts on spray deposition of aerodynamic turbulence of wheels, tractor units & boom components. The observations are sobering. Drones: canopy deposition uniformity, roles, water volumes, droplet sizes and drift Sprayer cleanout issues

FARMING SYSTEMS, FABA BEANS & CANOLA (SESSIONS 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
8.30am	10.45am	Farming systems impact on soil biology, soil pathogens and system resilience <i>Gupta Vadakattu (CSIRO)</i>
9.00am	11.15am	Fabas - 4 years of trials; plant density, disease, sowing date, N fixation & variety choice <i>Rohan Brill (Brill Ag)</i>
9.25am	11.40am	Incidence and impact of sclerotinia in canola from double break strategies and in chickpeas <i>Kurt Lindbeck (NSW DPIRD)</i>
9.55am	12.10pm	Improving canola performance in late sowings by variety choice and sowing rate. <i>Ben O'Brien (GOA)</i>

(Agenda subject to change)

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Dubbo Registration Form

Register online at <http://www.icanrural.com.au> or complete & mail/email or fax the attached to ICAN (details below).
A tax invoice will be issued on receipt of payment to: ICAN Pty Ltd.



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

	Number of participants attending face-to-face*				Amount \$
	Standard registration (received by COB Thu 20 Feb 2025)		Late registration (received after Thu 20 Feb 2025)		
	Non grower	Grower	Non grower	Grower	
Both days: Thu 27 & Fri 28 Feb 2025	Cost: \$200 pp —	Cost: \$100 pp —	Cost: \$220 pp —	Cost: \$110 pp —	_____
Day 1: Thursday 27 February 2025	Cost: \$130 pp —	Cost: \$65 pp —	Cost: \$140 pp —	Cost: \$70 pp —	_____
Day 2: Friday 28 February 2025	Cost: \$130 pp —	Cost: \$65 pp —	Cost: \$140 pp —	Cost: \$70 pp —	_____
I would like _____ extra copies of the proceedings (collect at conference) (\$40 each)					\$ _____
I am unable to attend but would like _____ copies of proceedings (includes postage) (\$55 each, posted after the event)					\$ _____
Total (including GST)					\$ _____

Networking dinner – Thursday 27 February 2025 (Supported by AGT & Sumitomo) No of participants: _____

* Day registration covers lunch, morning/afternoon tea & proceedings. Day registrants are welcome to the networking event on Thursday 27 February 2025. This is a free event, courtesy of sponsorship from AGT & Sumitomo. You must be registered for the face-to-face event to attend the networking function.

Details for tax invoice and further correspondence

Name: _____ I am not a participant (i.e. the above is for tax invoice/receipt only)
 Organisation: _____ OR I am a participant
 Address: _____ Postcode: _____
 Phone: _____ Mobile: _____
 Email: _____

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

Independent Consultants Australia Network (ICAN) Pty. Ltd. ABN: 48 069 548 287
 PO Box 718, Hornsby NSW 1630, Fax: 02 9482 4931 Ph: 02 9482 4930 Email: andrea@icanrural.com.au

