

GRAINS RESEARCH UPDATE 2025



Goondiwindi, QLD
Tuesday 4 & Wednesday 5 March



GRAINS RESEARCH UPDATE

2025



Goondiwindi Community Centre
Cnr Russell & Short Sts, Goondiwindi QLD 4390

PROGRAM DAY 1 – TUESDAY 4 MARCH

- 9.00am** Registration, morning tea & trade displays
- 10.00am** Welcome GRDC
- 10.30am** Precision decisions in a tight economic climate – manage inputs, maximise productivity/environmental efficiencies and build economic resilience in high input-cost seasons *Tim Neale (Data Farming)*
- 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** Paraquat regulatory review – what's happening & what other products are up for APVMA review – implications for industry stewardship *Gordon Cumming (GRDC)*
- 12.05pm** Lunch
- 1.05pm** Concurrent session 1 – *see concurrent sessions for details*
- 2.50pm** Afternoon tea
- 3.20pm** Concurrent session 2 – *See concurrent sessions for details*
- 5.05pm** Close
- 7:00pm** Networking dinner & drinks at O'Shea's Royal Hotel– *supported by AGT*

PROGRAM DAY 2 – WEDNESDAY 5 MARCH

- 7:30am** EARLY RISERS DISCUSSION *Chair: Peter Birch*
Key strategies for problem weeds and the role/fit of glufosinate and group 14 herbicides *Panel: Bhagirath Chauhan, Drew Penberthy, Chris Maunder, Pete McKenzie, Paul McIntosh & Maurie Street*
- 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** What's stripe rust really costing us? *Maurie Street (GOA)*
- 1:55pm** Regional fungicide resistance and disease management update *Steve Simpfendorfer (NSW DPIRD)*
- 2:30pm** Do multi-purpose biofuel crops have a place in Australian farming systems? *Anthony van Herwaarden (CSIRO)*
- 3:00pm** Close

Concurrent sessions location

Location	Main auditorium (live streamed)	River Room	Training Centre
Day 1 – Session 1	Grain Automate	Spray Application with Tom Wolf	Pot Pouri
Day 1 – Session 2	Spray Application with Tom Wolf	Grain Automate	Pot Pouri
Day 2 – Session 3	Farming Systems	Chickpeas	Phosphorus
Day 2 – Session 4	Chickpeas	Farming Systems	Phosphorus

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

CONCURRENT SESSIONS – Day 1

GRAIN AUTOMATE (SESSIONS 1 & 2)		
Session Time		Topic and Speaker(s)
1	2	
Live Stream		
1.05pm	3.20pm	On farm autonomy – connectivity, robots and machinery <i>Tom Andrews (Connected Farms)</i>
1.35pm	3.50pm	The autonomous agronomist – automating data collection tasks for agros <i>Tim Neale (Data Farming)</i>
2.05pm	4.20pm	Technology to enable site-specific herbicide application or prescriptions <i>Lara Vallejo-Roosdorp (Syngenta)</i>
2.35pm	4.50pm	Panel discussion

SPRAY APPLICATION WITH TOM WOLF (AGRIMETRIX, CANADA), (SESSIONS 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
Live Stream		
1.05pm	3.20pm	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 – where are most issues occurring?

POT POURI (SESSIONS 1 & 2)

Session Time		Topic and Speaker(s)
1	2	
1.05pm	3.20pm	Biology and management of wild oats <i>Gulshan Mahajan (Uni of Qld)</i>
1.35pm	3.50pm	Management strategies for Phalaris <i>Bhagirath Chauhan (Uni of Qld)</i>
2.05pm	4.20pm	Heat stress during grain-filling in wheat <i>Mitch Clifton (NSW DPIRD)</i>
2.25pm	4.40pm	Reflections on 5 years of subsoil constraint economics <i>Richard Flavel (UNE)</i>

(Agenda subject to change)

Live stream of the events

In addition to being run as a face-to-face Update, the main auditorium sessions at the Goondiwindi update will be live streamed for online viewing.

Those who register for the live stream (free), receive a link to the live stream close to the event and a link to the online proceedings. Not all concurrent sessions will be run in the main auditorium, so not all sessions will be live streamed. Please refer to above agenda.

To register for livestream sessions, please go to <https://icanrural.com.au/updates.html>

CONCURRENT SESSIONS – Day 2

FARMING SYSTEMS (SESSIONS 3 & 4)		
Session Time		Topic and Speaker(s)
3	4	
Live Stream		
8.30am	10.45am	Farming systems impact on soil biology, soil pathogens and system resilience <i>Gupta Vadakattu (CSIRO)</i>
9.00am	11.15am	How do regenerative practices such as ley pastures and manure compare to more conventional management systems in long term farming systems trials? <i>Lindsay Bell (CSIRO)</i>
9.25am	11.40am	Farming system impacts of running higher levels of crop competition with weeds <i>Andrew Erbacher (DPI Qld)</i>
9.50am	12.05pm	Does increasing wheat sowing rates to combat weeds lead to yield or quality instability & implications for crown-rot <i>Maurie Street (GOA)</i>

CHICKPEAS (SESSIONS 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
Live Stream		
8.30am	10.45am	Breeding & growing chickpeas for market quality & preparing for shifts in market demand. The influence of genetics & growing environment on grain composition & quality for target markets <i>Sally Buck (CSIRO)</i>
9.00am	11.15am	Water use and water use efficiency in chickpea during key stages for yield formation <i>Fernanda Dreccer (CSIRO)</i>
9.25am	11.40am	Understanding the nitrogen contribution of chickpeas – paddock survey of 25 crops across Queensland <i>Jordan Davis (DPI Qld)</i>
9.50am	12.05pm	Chickpea genetic gains for yield and Ascochyta. What's in the pipeline; yield, heat tolerance, protein & N fixation. <i>Nicole Dron (NSW DPIRD)</i>

PHOSPHORUS (SESSIONS 3 & 4)

Session Time		Topic and Speaker(s)
3	4	
8.30am	10.45am	Legacy impacts of deep P applied ~8-10 years ago & sampling to drive decisions <i>David Lester (DPI Qld)</i>
8.50am	11.05am	RiskWi\$: Deep P, N & K combinations <i>Jayne Gentry (DPI Qld)</i>
9.20am	11.35am	The nutritional value of manures & other organic P sources & uptake over time <i>Tim McLaren (Uni of Qld)</i>
9.40am	11.55am	P budgeting for grain production systems & improving P uptake using different P sources. (PhD Presentation) <i>Maryam Barati (Southern Cross Uni)</i>
9.55am	12.10pm	Panel discussion

GRAINS RESEARCH UPDATE

2025



Goondiwindi Registration Form

Register online at <http://www.icanrural.com.au> or complete & mail/email or fax the attached to ICAN (details below).
If registering to attend this event in person (i.e. not livestream), a tax invoice will be issued on receipt of payment.



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

	Number of participants attending face-to-face*				Amount
	Standard registration (received by COB Tue 25 Feb 2025)		Late registration (received after Tue 25 Feb 2025)		\$
	Non grower	Grower	Non grower	Grower	
Both days: Tue 4 & Wed 5 March 2025	Cost: \$200 pp —	Cost: \$100 pp —	Cost: \$220 pp —	Cost: \$110 pp —	\$ _____
Day 1: Tuesday 4 March 2025	Cost: \$130 pp —	Cost: \$65 pp —	Cost: \$140 pp —	Cost: \$70 pp —	\$ _____
Day 2: Wednesday 5 March 2025	Cost: \$130 pp —	Cost: \$65 pp —	Cost: \$140 pp —	Cost: \$70 pp —	\$ _____
Networking dinner*: Tue 4 March 2025	Cost: \$30 pp —	Cost: \$30 pp —	Cost: \$30 pp —	Cost: \$30 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)					\$

* Day registration covers lunch, morning/afternoon tea & proceedings. Day registrants are welcome to the networking event on Tuesday 4 March 2025 at O'Shea's Royal Hotel. This function is significantly subsidised courtesy AGT. 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

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