

*Your invitation to*

**2012**   
*update*

**Goondiwindi**

**Tuesday 6th and Wednesday 7th, March 2012**

Goondiwindi Community Centre, Goondiwindi



***Knowledge for sustainable and profitable farming systems***



**GRDC**  
Grains  
Research &  
Development  
Corporation

## PROGRAM Day 1 – Tuesday 6th March 2012

Time	Topic	Speaker (s)
10:00 AM	Welcome & GRDC regional investment overview	<b>James Clark</b> (Chair Northern Panel GRDC)
10:10 AM	Grains RD&E strategy - what's changing?	TBA
10:30 AM	<b>Understanding soil, plant and microbe interactions in cropping soils</b> – the next plateau?	<b>Iain Young</b> (Dean of Faculty, UNE)
11:10 AM	<b>Carbon sequestration</b> - how much carbon can northern cropping systems store?	<b>Jeff Baldock</b> (CSIRO Land & Water)
12:00 PM	Lunch	
1:00 PM	<b>Concurrent session 1</b> (See concurrent sessions for details)	
2:45 PM	Afternoon tea	
3:15 PM	<b>Concurrent session 2</b> (See concurrent sessions for details)	
5:00 PM	Close	
6:40 PM	Pre-dinner drinks Royal Hotel Marshall St.	
7:25 PM	<b>Dinner, Royal Hotel Marshall St.</b>	

## PROGRAM Day 2 – Wednesday 7th March 2012

Time	Topic	Speaker (s)
8:30 AM	<b>Concurrent session 3</b> (See concurrent sessions for details)	
10:15 AM	Morning tea	
10:45 AM	<b>Concurrent session 4</b> (See concurrent sessions for details)	
12:30 PM	Lunch	
1:30 PM	<b>Nitrogen volatilisation losses</b> - How much is lost when different formulations are applied at different times? Nitrous oxide - an indicator of N loss	<b>Graeme Schwenke</b> (NSW DPI)
2:05 PM	<b>Searching the globe for new cereal germplasm</b>	<b>Ken Street</b> 'The Seed Hunter' (ICARDA Syria)
2:45 PM	Close	

## Location and Timing of Concurrent Sessions

	Main auditorium	River room	Goondiwindi Training Centre
<b>DAY 1</b>			
<b>Session 1</b>	Disease	Nutrition	Mixed bag 1
<b>Session 2</b>	Disease	Nutrition	Mixed bag 1
<b>DAY 2</b>			
<b>Session 3</b>	Nematodes	Weeds	Mixed bag 2
<b>Session 4</b>	Nematodes	Weeds	Mixed bag 2

# CONCURRENT SESSIONS

## Disease

(Sessions 1 & 2 on day 1)

- **Stripe rust** – The economics of at sowing treatments. Is poor seed purity leading to bad decision making? APR? **Spot Form Net Blotch** - spray timing and product comparison trials. (*Steve Simpfendorfer, NSW DPI*)
- **Cereal disease research** - The economics and risks of early sprays for yellow leaf spot. New data on barley leaf rust and spot form net blotch. (*Richard Daniel, NGA*)
- **Integrated management strategies for crown-rot** - Stubble management, crop sequence, inter-row sowing, variety and potentially fungicides. (*Steve Simpfendorfer, NSW DPI*)

## Nutrition P,K & S – unfolding multi nutrient deficiency management

(Sessions 1 & 2 on day 1)

- **Recent findings in field trials** from across the Northern region. (*Mike Bell, QAAFI*)
- **How much of the soil P is available** for plant uptake? (*Phil Moody, DERM*)
- **Sampling and interpreting soil tests for P** Plant availability, multiple depth sampling for P, K and S, multiple deficiencies, new tests for P, testing in no-till. (*Chris Guppy, UNE*)
- **P response of faba beans and cotton** to various placement strategies under a range of BSES values. (*Tim McLaren, UNE*)
- **Critical K levels for grains** as affected by Na and Mg status of the soil. (*Craig Birchall, UNE*)

## Mixed bag 1

(Sessions 1 & 2 on day 1)

- **Chickpeas** - New varieties, seed treatments, ascochyta, botrytis grey mould and phytophthora. (*Kevin Moore, NSW DPI*)
- **Canola harvest management** - Direct heading vs windrowing; timing of harvest; PodCeal. (*Maurie Street, GOA*)
- **Changes to APH wheat classification** - APH regions outside NNSW and Qld. Splitting APH classes to noodle and milling. Re-classification of older varieties (*Cindy Mills, Wheat Classification Council*)

## Nematodes

(Sessions 3 & 4 on day 2)

- Time of sowing, variety, Pythium and P nutritional impacts on **nematode responses**. Can we extract more from NVT trials by testing for nematodes? (*Steve Simpfendorfer, NSW DPI*)
- **Nematodes** - Distribution, interactions with crown-rot, agronomy and crop sequence impacts, mycorrhizae, crop yield and profit and breeding directions. (*Kirsty Owen, DEEDI, Richard Daniel, NGA & John Thompson, DEEDI*)

## Weeds

(Sessions 3 & 4 on day 2)

- **Herbicide tolerance in new crop cultivars**. (*Steve Walker, QAAFI*)
- **Weed seed capture – what's possible?** How much weed seed can be captured and removed from northern cropping systems at harvest? (*Michael Widderick, DEEDI*)
- Weed seed collection at harvest the **Harrington seed destructor**. (*Michael Walsh, AHRI WA*)
- **Spray adjuvants**, water quality and antagonism. (*Andrew Somerville, Jubilee Consulting*)

## Mixed bag 2

(Sessions 3 & 4 on day 2)

- **On-farm research** - Stats, plot size, trial design and analysis. Big plots and error! (*Alison Kelly, DEEDI*)
- **Liquid vs. solid fertilisers** – comparing performance in field trials. (*Col McMaster, NSW DPI*)
- **Agronomy for high yielding cereal environments** - Growing better high yield wheat: varieties, agronomic strategies and case studies. (*Allan Peake, CSIRO Sustainable Ecosystems*)

### Further information

Contact **John Cameron** or **Erica McKay**  
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Or register on-line at  
<http://www.icanrural.com.au>



**Dr Ken Street**  
The Australian  
Seed Hunter  
ICARDA Syria

