

# UNFS UPDATE



Upper North Farming Systems Newsletter

October/November 2014

## Primary Producers SA Road Transport Survey

Transport costs are a major factor for SA's primary producers. This project is a collaboration between Primary Producers SA, PIRSA and the Department of Planning, Transport and Infrastructure (DIPTI) to look at regulatory and minor infrastructure projects which can improve the viability of primary producers without compromising community safety,

The survey asks some general questions to help guide future decisions, and then gives you the opportunity to raise specific issues in 3 categories which are the focus of this project:

- A) Extension of existing routes for various trailer combinations
- B) First and last mile access (e.g. the section of road between a commodity route and a silo or sale yard)
- C) Movement of machinery on public roads

The focus of this survey is on Class 1,2 and 3 vehicles (which includes agricultural vehicles), not on general access vehicles.

When answering the questions please be as concise as possible to assist the project team to accurately identify the problem, the impact and the possible solutions.

There are 34 questions in the survey. To complete the survey go to this webpage:

<http://surveys.ppsa.org.au/lime/limesurvey/index.php/795872/lang-en>



### In This Issue

- Road Transport Survey
- UNFS Membership List
- Australian Herbicide Resistance Initiative Herbicide Susceptibility Testing
- AEGIC Crop Prospects Report
- Calendar of Events
- Log Book Update
- AWI and Woolmark News
- Wheat Variety Masterlist



Have a safe & incident free Harvest. We look forward to seeing you all after the grain's all in the silo & the headers are back in the shed. Photo Joe Koch.

## 2014/2015 MEMBERSHIP LIST

At the 2014 AGM of the Upper North Farming Systems it was moved that the membership list would be published to encourage networking between group members and to facilitate shared travel. It may also prompt you to ask your neighbour...why aren't you a member? If any of your details are incorrect or missing, please contact us.

Title	First Name	Last Name	UNFS Region
Mr	Garry	Arbon	Booleroo/Appila
Mr	Peter	Baker	
Mr	Peter	Barrie	Orroroo/Pekina/Black Rock
Mr	Andy	Bates	Other
Mr	Braden	Battersby	Booleroo/Appila
Mr	Michael	Battersby	Booleroo/Appila
Mr	Colin	Becker	Booleroo/Appila
Mr	William	Bennett	Booleroo/Appila
Mr	Dustin	Berryman	Booleroo/Appila, Morchard
Mr	Shaun	Borgas	Booleroo/Appila
Mr	Don	Bottrall	Booleroo/Appila
Mr	Gerard	Burt	Quorn
Mr	Andrew	Byerlee	Morchard
Mrs	Emily	Byerlee	Morchard
Mr	Malcolm	Byerlee	Morchard
Mr	Neil	Byerlee	Morchard
Mr	John	Carey	Booleroo/Appila
Mr	Todd	Carey	Booleroo/Appila
Mr	Gilmore	Catford	Morchard
Mr	Grant	Chapman	Morchard
Mrs	Margaret	Chapman	Morchard
Mr	Tyson	Christophersen	Booleroo/Appila
Mr	Barry	Clapp	Peterborough
Mr	Scott	Clark	Booleroo/Appila
Mr	David	Clarke	Booleroo/Appila
Mr	Ian	Clarke	Booleroo/Appila
Mr	Peter	Cockburn	
Mr	Ben	Crawford	Booleroo/Appila
Mr	Bruce	Crawford	Booleroo/Appila
Mr	Trevor	Crawford	Jamestown
Mr	Graeme	Crouch	Nelshaby
Mr	Damien	Ellery	Morchard
Mr	Ian	Ellery	Morchard
Mr	Toby	Fisher	Booleroo/Appila
Mr	Ben	Foulis	Morchard
Mr	Bentley	Foulis	Morchard
Mr	Dion	Foulis	Morchard
Mr	Matt	Foulis	Booleroo/Appila, Morchard

Title	First Name	Last Name	UNFS Region
Mr	Noel	Foulis	Morchard
Mr	Kym	Fromm	Orroroo/Pekina/Black Rock
Mr	Caleb	Girdham	Booleroo/Appila
Mr	Phil	Green	Booleroo/Appila, Morchard
Mr	Brendan	Groves	Booleroo/Appila
Mr	Rebecca	Gum	Morchard
Mr	Trevor	Gum	Morchard
Mr	Daniel	Henderson	Booleroo/Appila
Mr	David	Henderson	Booleroo/Appila
Mr	Joy	Henderson	Booleroo/Appila
Mr	David	Hombsch	Booleroo/Appila
Mr	Darren	Hughes	Morchard
Mr	Niel	Innes	Booleroo/Appila
Mr	Tony	Jarvis	Booleroo/Appila
Mr	Ben	Jefferson	Booleroo/Appila
Mr	Brendon	Johns	Nelshaby
Mr	Leighton	Johns	Nelshaby
Mr	Philip	Johns	Nelshaby
Mr	Steven	Johns	Nelshaby
Mrs	Jacqui	Jones	Booleroo/Appila
Mr	Paul	Jones	Booleroo/Appila
Mr	Bart	Joyce	
Mr	Mick	Kerin	
Mr	Andrew	Kitto	Booleroo/Appila
Mr	Jamie	Koch	Booleroo/Appila
Mr	Jess	Koch	Booleroo/Appila
Mr	Joe	Koch	Booleroo/Appila
Mr	Robert	Koch	Booleroo/Appila
Mr	Jim	Kuerschner	Orroroo/Pekina/Black Rock
Mr	David	Kumnick	Booleroo/Appila
Mr	Robert	Lang	
Mr	Neil	Lange	Booleroo/Appila
Mr	Brian	Leue	Nelshaby
Mr	Kevin	Lock	Orroroo/Pekina/Black Rock
Mr	Mark	Ludgate	Peterborough
Mr	Martin	Luke	Morchard
Mr	Nathan	May	Booleroo/Appila
Mr	Andrew	McCallum	Booleroo/Appila
Mr	Ian	McCallum	
Mr	Matt	McCallum	Booleroo/Appila
Mr	Richard	McCallum	
Mr	Allan	Michael	Quorn
Mr	Robert	Mills	Booleroo/Appila

## 2014/2015 Members List Cont...

Title	First Name	Last Name	UNFS Region
Mr	Tony	Moten	Orroroo/Pekina/Black Rock
Mr	Barry	Mudge	Nelshaby
Mr	Ian	Mudge	Nelshaby
Mr	Ben	Noll	Wilmington
Mr	Leela	Noll	Wilmington
Mr	Trevor	Noll	Wilmington
Mr	Matthew	Nottle	Booleroo/Appila
Mr	Len	Nutt	Orroroo/Pekina/Black Rock
Mr	Morgan	Nutt	Orroroo/Pekina/Black Rock
Mr	Brodie	O'Dea	Orroroo/Pekina/Black Rock
Mr	Kevin	O'Dea	Orroroo/Pekina/Black Rock
Mr	Todd	Orrock	Booleroo/Appila
Mr	Nicholas	Piggott	Morchard
Mr	Tom	Reddaway	Morchard
Mr	Michael	Redden	Orroroo/Pekina/Black Rock
Mr	Patrick	Redden	
Mr	Mark	Reichstein	Booleroo/Appila
Mr	Steve	Richmond	
Mr	Ben	Ritchie	Booleroo/Appila
Mrs	Bronwyn	Ritchie	Booleroo/Appila
Mr	Kevin	Ritchie	Booleroo/Appila
Mr	Ian	Rodgers	Quorn
Mr	Paul	Rodgers	Quorn
Mr	Wayne	Roocke	Booleroo/Appila
Mr	Andrew	Sargent	Nelshaby
Mr	Malcolm	Sargent	Nelshaby
Mr	Alex	Schwark	Orroroo/Pekina/Black Rock
Mr	Gavin	Schwark	Orroroo/Pekina/Black Rock
Mr	Graham	Stokes	Quorn
Mr	Brian	Tiller	Nelshaby
Mrs	Diane	Tiller	Nelshaby
Mr	Heath	Tiller	Nelshaby
Mr	Ken	Walter	Booleroo/Appila
Mr	Lachlan	Williams	Booleroo/Appila
Mr	Jamie	Wilson	
Mr	Andrew	Zanker	Booleroo/Appila
Mr	Eric	Zanker	Booleroo/Appila
Mr	Graham	Zanker	Booleroo/Appila
Mr	Michael	Zwar	Nelshaby, Booleroo/Appila

## Time to update log books

DRIVERS of heavy vehicles who have been using log books must have updated to the new National Driver Work Diaries.

The National Heavy Vehicle Regulator (NHVR) had a six-month grace period to move to the new diary system but this has now expired.

NHVR is the independent regulator for heavy vehicles over 4.5 tonnes gross vehicle mass. Its new diaries explain national fatigue laws, includes examples outlining how to account for driving time, and requires less information to complete.

Work diaries cost \$20 and are available from all service centres selling the current diary.

More information ... [NHVR Work Diary](#)

## Wheat Variety Masterlist 2014-15

Wheat Quality Australia has released the 2014-15 Wheat Variety Master list. The classification given indicates the highest possible receivals grade available for each variety. Eleven new varieties have been included in the list. Follow the link - [Wheat Quality Master List](#) or go to [wheatquality.com.au](http://wheatquality.com.au)



**aw** Australian Wool  
Innovation Limited

## Grazing cereals

Grazing cereals is being practiced successfully by some sheep producers across Australia but to expand, failsafe grazing strategies are required. We would like your help in establishing these by taking a short survey... [Read More >>](#)

## The Economic Value of Fleece Wool Attributes - Phase 2

This month we publish a comprehensive report into the Economic Value of Wool Attributes, commissioned by AWI, written by Dr Elizabeth Nolan of the University of Sydney. This report analyses the relationship between clean prices of individual lots of wool sold at auction and a range of characteristics of the raw wool... [Read More >>](#)



**THE  
WOOLMARK  
COMPANY**

**Disclaimer:** The UNFS Update has been prepared in good faith on the basis of information available at the date of publication without any independent verification. Upper North Farming Systems (UNFS) does not guarantee or warrant the accuracy, reliability, completeness or currency of the information in this publication nor its usefulness in achieving any purpose. Readers are responsible for assessing the relevance and accuracy of the content of this publication. UNFS will not be liable for any loss, damage, cost or expense incurred or arising by reason of any person using or relying on information in this publication.

---

# Australian Herbicide Resistance Initiative (AHRI) Susceptibility Testing

Excerpt from AHRI Insight #35

Who uses cloth nappies (diapers) these days? Almost nobody. So how is it that the premium cloth nappy soaker, NapiSan, is still a successful product? The answer is that the company who make NapiSan cleverly repositioned their product as the premium laundry stain remover.

We at AHRI are tired of being the bearers of bad news so we have decided it is time to reposition herbicide resistance testing services.

Enter the new and improved “Susceptibility Testing” – it will tell us which herbicides will work next year rather than those that won’t, and shows us where to focus our efforts to keep the weeds susceptible. In other words, is the cup half full or half empty?



John Broster, Charles Sturt University, runs one of Australia’s two commercial herbicide resistance testing services. His 2014 report shows a long list of resistant weeds, but it also shows a long list of susceptible weeds as well.

This harvest, put an A4 envelope or two in the cab of the harvester, and plan to do a susceptibility test to give you the peace of mind that the herbicide that you choose next year is going to work, and make a plan to keep it working.

What should I test?

The summary of John Broster’s 2014 report below gives us a really good indication of what we should test for. Keep in mind that this is not a random survey, rather it is a summary of test results where growers and agronomist have suspected resistance and have paid for a resistance test.

Ryegrass		
Herbicide	Reasoning	Recommendation
Group A (fop) & Group B	If you think it may be resistant it probably is	Don’t bother
Atrazine Group C	99% chance it is susceptible despite how much we have used	Only test if resistance suspected
Other herbicides	It is possible to have resistance to a herbicide that you have never used due to cross resistance	Test what you plan to use over next few years
Glyphosate	The world’s best and most important herbicide. Ryegrass is the world champion of resistance	Always test

---



Wild Radish		
Herbicide	Reasoning	Recommendation
<b>Group B</b>	If you think it may be resistant it probably is	Don't bother
<b>Atrazine Group C</b>	Atrazine resistance is starting to show up	Test if you plan to use in next 3 years
<b>Other herbicides</b>	It is possible to have resistance to a herbicide that you have never used due to cross resistance	Test what you plan to use over next few years
<b>Velocity / Precept</b>	No confirmed resistance to pyrasulfatole in Australia yet	Test only if resistance is suspected
<b>Glyphosate</b>	Glyphosate resistance in Wild Radish is currently rare but is an emerging problem	Test if resistance is suspected

Wild Oats		
Herbicide	Reasoning	Recommendation
<b>Group A (fop)</b>	If you think it may be resistant it probably is	Don't bother
<b>Atrazine Group C</b>	99% chance it is susceptible	Only test if resistance strongly suspected
<b>Axial / Achieve</b>	50 : 50 chance of resistance	Test if you plan to use over next few years
<b>Other herbicides</b>	It is possible to have resistance to a herbicide that you have never used due to cross resistance	Test what you plan to use over next few years
<b>Glyphosate</b>	There is no known Glyphosate resistance in Wild Oats	You could be the first! Test if resistance is suspected

Yep, I thought so!

If you think a weed is resistant to a herbicide, it probably is. Is it really worth paying for a Group A (fop) or Group B ryegrass test when we know that the vast majority of it is resistant?

**Table 2:** Results of herbicide resistance testing of annual ryegrass to Group A and B herbicides at Charles Sturt University over the past five years.

Ryegrass - % of samples resistant					
Group	2010	2011	2012	2013	2014
<b>A (fops)</b>	90	83	96	90	84
<b>B</b>	93	74	85	93	70

#### Susceptible Wild Radish

There has been no resistance in Wild Radish confirmed to pyrasulfatole (the active in Precept / Velocity), or Paraquat in

Australia. The high levels of phenoxy and diflufenican resistance in Australia means that resistance to herbicides such as Jaguar, Tigrex and Flight is possible, however, we have limited data from resistance testing services.

The bad news for wild radish is that there are high levels of resistance to many common herbicides.

**Table 3:** High levels of herbicide resistance in wild radish to commonly used herbicides.

Wild Radish 2014			
Herbicide	Herbicide Group	No of samples in 2014	% of samples resistant
Glean / Logran	B	130	88
Atrazine	C	158	11
Diflufenican	F	128	46
2,4-D ester 680	I	114	17
Glyphosate	M	122	1 **

\*\* This sample is being re-tested to confirm.

#### Wild Oats

No resistance was found to Select (47 samples), Avadex (35 samples) or glyphosate (9 samples).

Finding susceptible herbicides for wild oats is getting harder each year for many growers as resistance to Group A and B herbicides increases. There are some pre-emergent options such as Avadex that offer good solutions. Wild Oats generally take a long time to evolve resistance to herbicides because they are a mostly self-pollinating, hexaploid species. [See previous edition of AHRI insight here.](#)

**Table 4:** High levels of herbicide resistance in wild oats to commonly used herbicides

Wild Oats 2014			
Herbicide	Herbicide Group	No of samples in 2014	% of samples resistant
Fops (Wildcat, Verdict, Topic)	Group A (fops)	53	78
Atlantis	B	49	22
Achieve	Group A (dims)	11	54
Axial	Group A (dens)	30	47
Mataven	Z	9	11

#### Keeping them susceptible

So you get your test results back and discover that you have a range of herbicide options available to use. Hurrah! Susceptible herbicides are a precious resource and should be treated as such. The key to maintaining this susceptibility is to make a plan to keep them that way. That plan should be obsessed with a low weed seed bank through using a diverse range of weed control measures, including non-herbicide weed control.

#### Put an A4 envelope in the harvester

You don't need a fancy testing kit to take a 'Susceptibility Test' sample. All you need is an A4 envelope. Record the location on the envelope and worry about postage later. The contact details for the testing services are below.



The amount of seed required for ryegrass is about a coffee cup full of clean seed or an A4 envelope full of seed heads. For wild oats or wild radish, a comfortably full A4 envelope of seed heads or pods is ample. Put this envelope in another envelope for mailing and do not use plastic bags as the seed can get mouldy if there is any moisture in it.

Make sure the sampling occurs across the area of interest, not just at one spot. If you are interested in the entire paddock you need to sample the entire paddock, if you are looking at the area around a blow-out sample throughout that area. Think soil sampling methodology.

The most expensive herbicide is one that doesn't work. Knowing that the herbicides that you plan to use are susceptible is great peace of mind. Susceptibility testing will not only help you sleep at night, it will also help run down those weed seed banks by ensuring that you are using effective herbicides.

Follow the links below for further information:

[CSU herbicide resistance annual report 2014](#) (PDF)

Testing services: [CSU](#) and [Plant Science Consulting](#)

[Why do wild oats develop resistance slowly?](#) (past edition of AHRI insight)

For further information contact:

Charles Sturt University  
Locked Bag 588  
Wagga Wagga NSW 2678

John Broster 02 6933 4001  
0427 296 641  
[jbroster@csu.edu.au](mailto:jbroster@csu.edu.au)

Testing forms and annual reports are available at: <http://www.csu.edu.au/research/grahamcentre/> and click on Herbicide Resistance in the Quicklinks box

## Upcoming Events Calendar

### November

- 13** GRDC Farm Business Update for Advisers, Adelaide [ORM Communications](#)  
03 5441 6176
- 28/29** eID for Sheep Management and Breeding workshop, Clare [Hamish Dickson](#)  
0427 446 499

### February 2015

- 10/11** GRDC Grains Research Update for Advisers, Adelaide
- 19** UNFS Precision Ag Field Day - Details TBC
- 23/24** UNFS Strategic Planning Workshop. Details TBC
- 27** SANTFA Annual Conference - Barossa -Leighton Pearce 0427 688 028,  
[leighton@santfa.com.au](mailto:leighton@santfa.com.au)

### March 2015

- 26** UNFS NRM Field Day - Details TBC

# CROP PROSPECTS REPORT

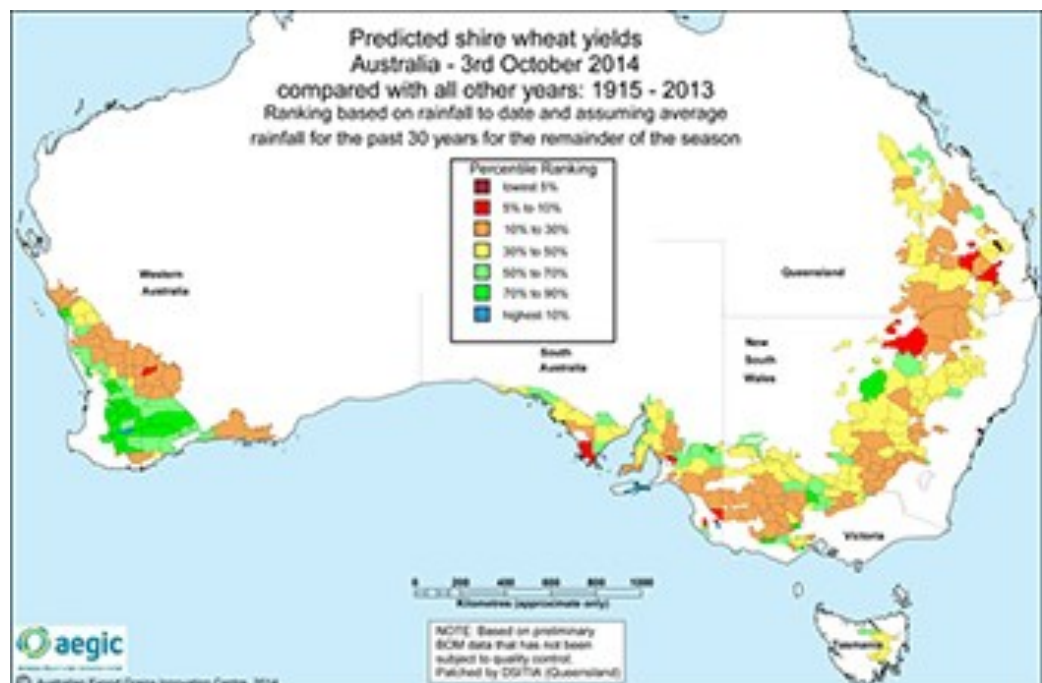
## Dry finish to winter crop season now most affecting south-eastern Australia

The Australian Export Grains Innovation Centre (AEGIC) has updated its August estimate of 2014 wheat yields based on the impact of soil moisture and seasonal indicators using its Stress Index (STIN) model. Based on AEGIC's modelling, median wheat yield predictions have declined rapidly in south-eastern Australia as part of a slowly developing El Niño-like weather pattern.

Crop yield rankings are now predominately below median with many shires ranked in the lowest 10–30% of years in 100 years. The southern half of the Western Australian wheatbelt and northern areas of South Australia are two regions that have predominately above median yields.

National wheat yield forecasts based on an average finish to the season indicate a 22.3 million metric tonne wheat crop, whereas yield projections that incorporate seasonal outlooks now indicate a 22mmt national crop.

In the southern mainland states expected yields are likely to be 20% to 32% lower than the favourable yields recorded in 2013.





# Upper North Farming Systems Contact List

Joe Koch **Chairman**

(Booleroo Centre)

kochy260@hotmail.com

0428 672 161

Barry Mudge **Vice Chairman**

(Nelshaby) theoaks5@bigpond.com

0417 826 790

Matt McCallum **Trials & Extension Chair**

(Booleroo/Willowie)

matthewmcag@bigpond.com

0438 895 167

Jim Kuerschner **Finance Officer**

(Orroroo/Black Rock)

jimkuerschner@bigpond.com

0427 516 038

Don Bottral **Sponsorship Officer**

(Appila) donbot@active8.net.au

0427 635 002

Kym Fromm **Public Officer**

(Orroroo) fromms@bigpond.com

0409 495 783

Ian Ellery **Equipment Officer**

(Morchard) elleryprops@hotmail.com

0400 272 206

Tony Jarvis **Field Day Coordinator**

(Booleroo/Pekina) jarvjane@active8.net.au

0427 586 035

Paul Rodgers (Quorn)

prodge81@gmail.com

0429 486 434

Ben Carn (Quorn)

carnomi@bigpond.com

0428 486 438

Matt Foulis (Willowie/Wilmington)

matt@northernag.com.au

0428 515 489

Todd Orrock (Booleroo/Murraytown)

tango001@bigpond.com

0428 672 223

Patrick Redden (Clare/Jamestown)

PRedden@ruraldirections.com

0400036568

## Contact Us

Email us at:  
unfs@outlook.com

**Upper North Farming Systems**

**PO Box 323**

**Jamestown, SA, 5491**

Visit us on the web at:  
[www.facebook.com/  
pages/Upper-North-  
Farming-  
Sys-  
tems/342964929066490](http://www.facebook.com/pages/Upper-North-Farming-Sys-tems/342964929066490)

### Project Manager and Executive Officer

Ruth Sommerville

Rufous and Co

PO Box 16, Spalding 5454

rufousandco@yahoo.com.au

M: 0401 042 223

### Treasurer

Samantha Quinn

PO Box 57, Hallett 5419

coolangatta25@bigpond.com

M: 0417 868 728

### Project Delivery Partners

#### Rural Solutions SA

PO Box 223, Jamestown 5491

P: 08 8664 1408 F: 08 8664 1405

Michael.Wurst@sa.gov.au

Mary-Anne.Young@sa.gov.au

#### Fenceline Consulting

Peter Baker

0408272282

peter@fencelineconsulting.com.au