

UNFS UPDATE



Upper North Farming Systems Newsletter

September 2019

Roll Up Roll Up Roll Up....

Ruth Sommerville, Executive Officer

What a start to the 2019 events season in the Upper North we've had! The Mixed Farming Master Class held as our Members Expo on the 1st of August at Booleroo Centre was the biggest Expo we've had yet with over 120 people attending on the day. The feedback from the day has been great and we hope that you all got some inspiration to take back to your enterprises and talk over with your team. As we are all well aware Agriculture is a continually evolving system and we need the best information at our fingertips to stay on top of it. I hope the Expo did that for you! Thank you to GRDC for the funding to make the event what it was.

Welcome to the 2019/2020 Strategic Board James Heaslip. James has stepped up from the Operations Committee into the Strategic Board and into the role of Vice Chairman. We look forward to the passion and insight he will bring to the team. There are also a number of new members on the Operations Committee as well. Welcome Bethany Sleep and Emma McInerney as Industry Representatives, Tom Moten as Pekina/Black Rock Hub Rep, Paul Rodgers as Quorn Rep and Kyle Bottrall and Tom Porter join Matt Dennis as the New Farmer Representatives. Nathan Crouch has moved roles within the Operations Committee as well from New Farmer Rep to Nelshaby Hub Representative. All Hub representatives are listed at the back of the newsletter and on the website. Make sure you take the time to chat to them and give them ideas for what events or projects you would like to see happen in your region or demographic. Feel your patch is missing a representative...then let us know. UNFS is continually evolving and we are open to new suggestions.

We would like to thank Patrick Redden for his service to the Strategic Board over the last few years. He has been a great source of knowledge and brought enthusiasm to all that he has been part of. Thank you for your time and efforts. Thank you also to Leighton Johns for his time as the Nelshaby Hub Rep. His knowledge of the region and the current issues were a great asset to the Operations Committee.

We have had some great events since the Expo in August with Pulse Check meetings and Hub events and there are more to come in the next 4 weeks. Full details in the following pages. Remember all events are open to the general public and we encourage you to come along and bring a friend. Adopting new ideas and technology is easier if you have someone to discuss the ideas with after the event!

Also in this issue:

- Welcome to the team Jamie Wilson
- Eastern Crop Walk & Weather Station Network Launch
- Nelshaby Sticky Beak/ Western Crop Walk
- Pulse Check Event
- Crop Science Meeting
- Hart Field Site Field Day Program
- Barley Grass Resistance Testing
- Shearing Shed Design
- Barley Glyphosate Permit
- Ryegrass Seed Set Control in Canola
- Pasture Series Workshop
- Viterra Harvest Info
- Orroroo Weeds Event
- Factsheets, publications, websites and podcasts to check out
- Calendar of Events and Contact Details

Upper North Farming Systems 2019 Eastern Spring Crop Walk

Wednesday September 11th

2PM—5.30PM

Booleroo Morchard Region

2PM—Dryland Pasture Legume Trial—Morchard Complex Paddock

3PM—Barley Grass Management Trial—Whim Road, Melrose

4PM— Pre Emergent Herbicide Trial—Booleroo Centre

4.40PM—Barley Time of Sowing, Fodder Options, UNFS Weather Station
Network Launch—Appila Road, Booleroo Centre

Event will be followed by a networking session supported
by Grain Growers. For more details contact: Jamie
Wilson, UNFS Project Manager. 0407 796 202 or
projects@unfs.com.au



Welcome Jamie Wilson

Jamie has joined UNFS as the new Project Manager. He will be working approximately one day per week ensuring that trial work and project activities are undertaken effectively and efficiently. He comes with experience across research and agri-business and will be a great asset to the team.

Jamie lives in Adelaide with his wife Meagan. His family is from the Balaklava Region and he's worked in the Mid and Upper North through-out his career.

Get in touch about one of the upcoming events or any ideas you have for future activities.



Photo: Jamie Wilson with Matt Nottle at the Cover Crop Trial Site at Booleroo Centre.

2019 Nelshaby Sticky Beak Day & UNFS Western Spring Crop Walk

Friday September 13th

Bus Tour. Tag alongs welcome.

9AM - Pulse Check at the Warnertown Pulse Trial Site

11AM to 5PMish - Roaming Regional Tour:

- Herbicide on lentils
- Deep Ripping Sands
- ADM (new grain receival) site at Port Pirie (Lunch here)
- Vetch Agronomy Trials
- Demo Seeder Crop Inspection
- Other sites as the season dictates

Registration required for Bus and Catering:
Steven Johns 0427341975



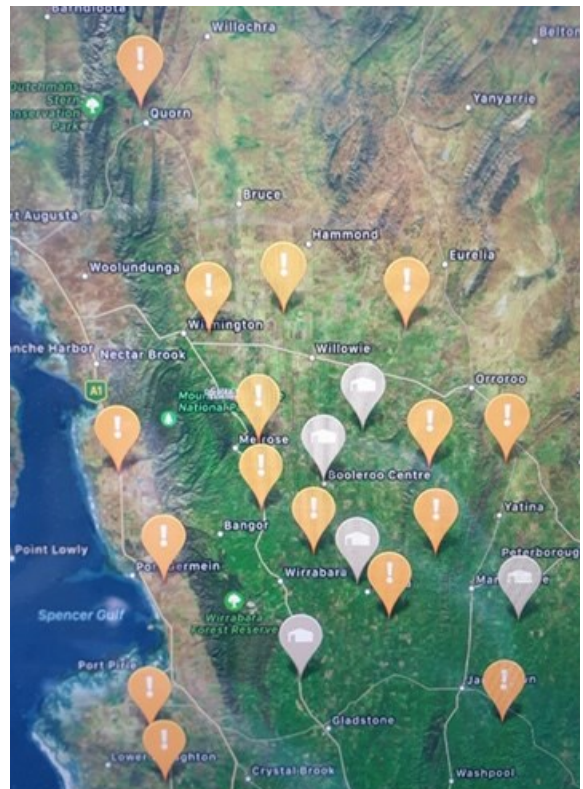
Weather Station Network Launch

Come Along to the Eastern Crop Walk on the 11th of September to learn more about our new weather station network!

There are 16 SafeCom funded stations going in this year with plans to build more in the future.

These will improve harvest danger index management through out summer and improve the quality of spray and frost management information available.

AgByte has partnered with UNFS to install and manage these sites.



UNFS Pulse Check Group



Date: Friday 13 September 2019

Time: 9 am

Location: Warnertown SARDI Trial Site

Morning tea provided

With guest presenters:

Stuart Shreff, Trengove consulting

- Inoculating legumes trial: including observing nodulation differences
- SAGIT funded lentil agronomy project: covering topics around herbicide tolerance and weed control and responses to soil amelioration and nutrition on sandy soils.

Sarah Day, Research Officer, SARDI

- Low rainfall break crop variety selection
- Pulse intercropping
- Pulse nutrition trials.

For enquiries for the Pulse Check Meeting please contact Rachel Trengove
0438 452 003

Nelshaby Sticky Beak day will commence from the trial site straight after the Pulse Check Meeting with a bus trip returning at the end of the day.

This will include visits to:

- A vetch agronomy trial
- A ripping trial
- ADM grain receival site at Port Pirie



For Nelshaby Sticky Beak Day enquiries and registration please contact Steven Johns (Secretary, Nelshaby Ag Bureau) on 0427 341 975

\$15 for the day with lunch, drinks and dinner provided.

Everyone is welcome! Please RSVP by Monday September 9th for catering.



The GRDC Southern Pulse Extension project, delivered by a consortium of organisations involved in the pulse industry across GRDC's Southern region, provides a collaborative opportunity to increase the knowledge of growers and advisors on sustainable pulse production, improving the Southern Region's capacity to maximise future growth and profitability.

Attendees do not need to have attended previous meetings or have any prior knowledge of pulse production. This event is free and all are welcome.



The Crop Science Society of SA
P.M.B. No.1
GLEN OSMOND SA 5064, AUSTRALIA



The Crop Science Society of SA is combining with the Upper North Farming Systems Group *for a regional meeting*

Wednesday September 18th 7.30pm at Spalding Hall, Main St, SPALDING.

Leet Wilkch (AgByte) on new technology in weather stations, telemetry & weather modelling.

Pat Guerin (Balco Australia) to discuss all things export hay – quality, MRL's, what to avoid.

Mick Faulkner (Agrilink Consulting) to provide a summary on the MESONET weather station project and its usefulness for planning spraying, harvesting & burning.

Light supper will be available at the venue after the meeting.

RSVP to cropssa@gmail.com or on 0447 541 654.

All visitors welcome!

The Best of 2018—Crop Nutrition

Published 30 July 2019

GRDC's Crop Nutrition Community of Practice continues to be an important extension initiative for industry, providing reliable information sourced from key research scientists across Australia.

Throughout 2018, we published 46 articles (that's a lot!). So, we collected our most popular articles from this period – those that best reflect the year's seasonal conditions and emerging issues. The twelve feature articles cover topics such as planning, soil testing, fertiliser, nutrition and drought, and stubble management.

<https://communities.grdc.com.au/crop-nutrition/the-best-of-2018/>



Barley Grass Resistance Testing

The UNFS Barley Grass Management Project has been offered a dozen barley grass seed resistance tests. Do you have a patch of Barley Grass that didn't die after you sprayed it? Or has been hard to manage in the past? Contact Matt McCallum to organise to get your seed to the laboratory for testing.

Matt—0438895167 or
matthewmcag@bigpond.com

Membership Details

Have you paid your membership renewals and received your 2018 Annual Compendium? Know someone who should be a member but isn't (membership list at the back of the compendium)? Get in touch with Kristina to ensure you don't miss out!

admin@unfs.com.au
unfs.com.au

Optimised Canola Profitability Roadshows

Experienced researchers delivering outcomes from five years of canola research across eastern Australia

When should my canola flower?

How do I match sowing date and variety to flower on time?

What is the critical growth period of canola? How do I optimise growth?

How do I assess windrow timing to get full \$ value?

What agronomic tactics will improve my canola production?



- | | |
|-----------------------------------|-----------------------------------|
| • Moree, NSW – 2 September | • Longerenong, Vic – 17 September |
| • Forbes, NSW – 4 September | • Ouyen, Vic – 18 September |
| • Wagga Wagga, NSW – 11 September | • Cummins, SA – 28 October |
| • Mulwala, NSW – 12 September | • Adelaide, SA – 29 October |

CLICK HERE for more info and free registration



Late-season glyphosate permit on feed barley approved

Grain Producers Australia have advised industry that the APVMA has issued a permit for 'Pre-Harvest Dessication and Spray Topping of Weeds in Specified Barley (Except Malting Barley)' with a permit expiry of 30 April 2020.

The permit extends the practice of late-season barley application on barley (feed only) from the original permit issued on 2 November 2016. The permit will allow grain producers and traders to put appropriate plans in place for the 19/20 harvest.

Producers are reminded of the importance of stewardship of pesticide products, including glyphosate. The conditions of use, directions and restraints of the permit must be followed. Declarations of use may also be required and complied with as directed by buyers and traders.

Grain Producers Australia would like to thank the APVMA for the timely review and approval of this permit.

More information is available from [Grain Producers Australia](http://GrainProducersAustralia.com.au).



PASTURE SERIES WORKSHOPS

Bridging the gap between Agronomy and Animal
Nutrition to get the most from your non-arable land.

Cox Rural in partnership with Upper North Farming Systems presents Pasture Workshop 3

WORKSHOP 3

— SEPT —

12

1PM - 4:30PM

**Free Workshop
All Welcome**



AGENDA

- 12:30 - 1:00 Lunch at Cox Rural**
- 1:00 - 1:30 Panel session** discussing all aspects of mixed species cropping with Emma McInerney (NRM), Penny Roberts (SARDI), Dan Hammat & Tom Robinson
- 1:30 - 1:45 UNFS Pasture** Suitability Trial Intro
- 1:45 - 2:15 Travel out** to trial site by bus
- 2:15 - 2:45 Species overviews** by Rehn, Pasture Genetics
- 2:45 - 3:15 Summary of key findings** from previous 3yr trial work looking at soil biology and spray activity with Jay Iwaski, UofA
- 3:15 - 4:00 Soil pit analysis** and discussion around mycorrhizal fungi



**COX RURAL JAMESTOWN BRANCH
Lot 2 Mannanarie Road, Jamestown**

Presented by

Cox Rural

RSVP to Beth:

bsleep@coxrural.com.au

Upper North Farming Systems

www.unfs.com.au

Check out our website for up to date trial sites and project details for 2019.

All coming events will be on the calendar and there are some great resources
up there for you to explore too!

INNOVATIVE SHEARING SHED FOR ALL

Shearing contractor and woolgrower Hilton Barrett, with support from AWI, has designed a shearing shed which addresses worker safety and animal welfare concerns, while also achieving improved shed efficiency and wool quality. The designs of the shed are available free to all woolgrowers.

FAST FACTS

- With AWI support during the past 18 months, Hilton Barrett has designed a shearing shed which improves the efficiency of workers and the flow of livestock – while optimising worker safety, animal welfare and the quality of wool preparation.
- The design was developed following extensive industry consultation with shearers, wool handlers, classers and woolgrowers, plus reviews of existing working sheds. Multiple trials led to refinements and a final design.
- The blueprints of the shed's design are available free on the AWI website. The internal fit-out, incorporating the stands and yards, has been designed to have its own structural integrity so it can be built within any suitable pre-existing shell.
- In July, 400 people attended an open day at Hilton's shed that was built based on his designs.

Former world record shearer and shearing contractor Hilton Barrett from Dubbo in Central West NSW has more than 30 years of wool harvesting experience. Hilton also operates a mixed farming and grazing operation near Dubbo where he shears between 2,000 to 7,000 head of sheep and lambs each year.

With this breadth of experience and having shorn in a vast range of sheds, Hilton was keen to develop a world-class design to address common issues that arise in traditionally designed sheds.

OPTIMISING THE SHEARING SHED

Over time, some of these issues have become more apparent, limiting Hilton's ability to optimise the efficiency and health of his staff and sheep.

Key areas of concern for Hilton included:

- significant injuries caused to staff due to shed layout and design, particularly shearers dragging heavy sheep around corners from catching pens to the board
- inefficiencies during penning up, which can considerably slow down shearing
- the long distances walked by some of the shearing team each day (for example from the board to the wool table carrying fleeces), many kilometres in some cases.

Factors contributing to these issues include:

- larger sheep, particularly relatively new composite meat breeds
- a growing number of ageing sheds, many that may not have been well maintained in the past 20-30 years
- an ageing workforce
- a general shortage of experienced workers and issues retaining staff
- more rigorous quality targets to improve woolgrower returns through less wastage, contamination of wool and animal stress

- an increased awareness of animal welfare issues.

Hilton recognised that solutions were needed to provide:

- more efficient and safer working environments that minimise injuries, prolong professional careers and improve worker retention
- improved efficiency to minimise wool harvesting costs and make flexible and affordable state-of-the-art shed designs readily available
- a high standard of animal welfare, including reduced stress
- less contamination and improved wool quality
- greater efficiency and through-put (higher daily shearing tallies which benefits the shearer and woolgrower).

THE DESIGN PROCESS

After sharing his vision with AWI and local project management consultants Schuster Consulting Group, 13 wool harvesting experts including shearers, wool handlers, woolgrowers and classers, were invited to tour six shearing sheds in Central West NSW. The objective of the tour was to identify the key design features of each shed which influenced sheep flow, efficiency, wool quality and the welfare of both sheep and workers. Each expert provided an independent assessment of the sheds from their own professional perspective.

"We went to multiple sheds and picked out the best parts out of them."

Hilton Barrett

An online survey of shearers, wool classers, wool handlers and woolgrowers was also conducted. Respondents were asked to rate specific features of sheds in terms of the impact they have on the shearing process, worker safety, animal welfare and wool quality.

Critical design features consistently raised by respondents included:

- optimising lighting and ventilation
- minimising noise
- eliminating sharp edges and catch points
- reducing the length of drag and number of turns between the catch point and the workstation
- improving the flow of sheep (during filling, catching, drag and let-go)
- enhancing wool room design.

The outcomes of the shed review and survey



More than 400 woolgrowers, brokers, shearers and wool handlers turned up at the 'Arrow Park' open day in July to see the shed in action.





The design of **Hilton Barret's** woolshed aims to improve efficiency, worker safety, animal welfare and wool quality.

were used to develop a prototype shearing stand complete with catching pen and let-go chute. This was trialled and refined several times before the draft plan was made available for public comment.

"It's interesting how small changes in measurement make a huge difference to your comfort as a shearer or even the area you have to work in."

Jason Wingfield
Australian shearing team

Further feedback was incorporated and once again trialled before being incorporated in a six-stand design which Hilton then built on his 'Arrow Park' property. The experts who were involved in the initial tour and who were consulted throughout the design and build process were invited back to observe and participate in the first trial shearing using all six stands. Further modifications were made as a result of this final trial before the shed was completed.

THE FINALISED DESIGN

The resulting design not only achieves many positive worker safety and animal welfare outcomes, but it also provides greater efficiency and improved wool quality.

"This design works well for all of the team, making the whole wool harvesting process run more smoothly and safely," said Hilton.

Key features of the shed design that address the issues identified through the research include:

- a sloped, front-fill catching pen which encourages sheep flow and presents sheep to the shearer
- an almost straight drag to the workstation through catching pen doors designed to minimise impact on the shearer
- smooth surfaces and recessed chutes that do not protrude into catching pens
- wide chutes (80cm wide) with a 30cm drop

off which ensures sheep are released with minimal effort

- minimal travel distance from the point of shearing to the wool table and then from the wool table to the wool press
- minimal light pollution from under the shed and floor grating, but with bright, diffracted overhead lighting
- good ventilation with windows designed to naturally encourage airflow
- timber components to minimise noise
- ample room for wool storage
- amenities to ensure a comfortable and safe work environment.

The greater workflow efficiency achieved by the design reduces shearing time and the cost to the woolgrower. It also means sheep spend less time yarded and are turned out more quickly after shearing.

"Sheep aren't penned up for as long as they are in some traditionally designed sheds which improves animal welfare. The aim is to move them through as efficiently as possible," said Hilton.

"It's going to be a winner for the farmer and the shearer. There's going to be less injuries and shearers are going to last longer."

Cartwright Terry
Former world shearing record holder

THE DESIGN IS AVAILABLE TO ALL

The internal fit-out, incorporating the stands and yards, has been designed to have its own structural integrity meaning it does not rely upon the shed's superstructure and can be built within any suitable pre-existing shell. This means woolgrowers can install or repurpose an off-the-shelf or existing shed, allowing them to achieve the most cost-effective solution for their own particular circumstances.

The designs (technical drawings for a six-stand shearing shed, plus the floor plan for Hilton's 'Arrow Park' shearing shed) are available free on the AWI website.

"It does improve everything that's really a drama. It's a good sloping pen, it's a good drag, the pens are a good size, and you don't really have to push the sheep down the chute, they sort of just fall down the chute."

Bill Hutchinson
Former Australian shearing team member

Woolgrowers can take the free design to specialist wool shed builders or any number of general builders to ensure a competitive tendering process for shed construction. The builder or contractor will be able to build as designed or extract certain elements of the design to suit specific on-site requirements.

"The sheep are all facing away from you so you can go straight in, just grab the head and straight back out. Your handpiece is there, pick it straight up and you're right to go. I'd just love to see this design more, throughout NSW and all over Australia."

Billy McDougall, shearer

By working with all parties involved in the wool harvesting process and striking a balance between worker safety, efficiency, wool quality and animal welfare, sustainable wool harvesting now has a bright future.

"The benefits are available to all of the wool industry – shearers and producers," said Hilton.

MORE INFORMATION

Technical drawings of the shed, plus a video about its design, are available at www.wool.com/sheddesign



HART FIELD DAY

September 17



Group bookings
welcome

Admission:

\$30 online
\$35 at the gate

Program highlights

**Red legged earth mite and green peach aphid
management & resistance update**

Jess Lye, CESAR

**Canola varieties
considering your GM options**

Andrew Ware, EPAG Research | Simon Mock, Clovercrest Consulting

**New hay options
awnless wheats & herbicide tolerant oats**

*Mick Faulkner, Agrilink Agricultural Consultants | Pat Guerin, Balco
Larn McMurray, Grains Innovation Australia*

Cereal and pulse root diseases

Tara Garrard & Blake Gontar, SARDI

**PA mapping update – what's out there and how
you can capitalise on using map layers**

Jess Koch, Breezy Hill Ag

**Pest and disease surveillance
including launch of mobile pest monitoring trailer**

Rohan Kimber, SARDI

Legume and oilseed herbicide tolerance
Andre Sabeeney, Nufarm | Tony Craddock, Rural Directions

Plus variety updates, agronomy & more
22 sessions in total

For more information and ticket sales visit:

www.hartfieldsite.org.au



There are some receival changes to be aware of prior to the 2019/20 harvest as it may affect how you deliver your grain. These are in response to industry changes, end use customers' needs, and to ensure South Australian growers maintain market access.

The changes relate to wheat and barley:

Changes to wheat variety classification – From the 2019/20 harvest onwards, we will be removing wheat varieties to be in line with Wheat Quality Australia's (WQA) Wheat Variety Master List. The varieties [removed for the 2019/20 harvest](#) have not been received into our network for a year or more, if they are delivered this year, the highest grade they can achieve is feed. If you have any concerns about these varieties, please contact your local [Operations Manager](#). There are some varieties that have been removed from the Master List which may be delivered this harvest. To help growers prepare, we will continue to receive these varieties in their current grade classification for this harvest, and they will be [removed for the 2020/21 harvest](#) along with additional varieties WQA plan to remove from their Master List next year.

Imidazolinone (IMI) tolerant barley varieties – Due to potential market access restrictions in some importing countries for Spartacus and Scope malt barley varieties with IMI chemicals applied, Viterra will be implementing a declaration process for the 2019/20 harvest. Spartacus and Scope varieties that have had IMI applied will still be received as a malting barley grade provided the load meets all other quality requirements.

Feed barley grade name change – Feed barley F1 and F2 grades will be received under Grain Trade Australia's (GTA) new grade name, Barley1 and Barley2 with new grade codes BAR1 and BAR2 respectively, to align with the industry's use of the grades for human and animal consumption.

Glyphosate use on barley – Use of glyphosate on barley is no longer a permitted or registered treatment, after the permit for glyphosate use on barley expired on 31 July 2019. Grain Producers Australia has applied for an extension of the permit. It is unknown if the application will be successful, or when a decision will be announced. Growers need to ensure that a permit is reinstated prior to applying glyphosate to barley.

Glyphosate use on durum – Last year, Viterra notified growers that we would no longer accept durum wheat with glyphosate applied after the 2018/19 harvest, following increasing feedback from end users that they do not wish to buy durum with glyphosate applied. From the 2019/20 harvest, if a load of durum has had glyphosate applied, the highest grade it can achieve is feed.

If you have questions regarding any of these topics, please do not hesitate to contact your local [Operations Manager](#).

“Something to Read”

An Excerpt From: Farming To Profit - Focusing On The Drivers Of Profit In Local Farming Systems. Do We Need To Concentrate On Cost Of Production?



Author: [Rod Grieve \(Agricultural Consultant\)](#) | Date: 12 Feb 2019

TAKE HOME MESSAGES

- Operating costs per hectare have risen over time substantially, increasing the financial risk to your business.
- Cost of production analysis is difficult to achieve in a mixed enterprise farming business due to interactions between enterprises and ‘known unknowns’.
- When applying inputs, in particular N, maximum expected profit is reached before maximum expected yield.
- There is generally a very wide range of input rates over which financial returns are similar.
- Once the precision of your decision is high enough to ensure a high probability of targeting an input rate within the payoff plateau, further precision has very limited scope to improve the payoff.
- Managing a farm business is as much about minimising losses as maximising profits.
- Benchmark your business - measure your operating costs as a percentage of income – this will tell you if your expenses are too high and you are placing your business at risk.
- Time management and organisation are the key profit drivers.

DO WE NEED TO CONCENTRATE ON COST OF PRODUCTION? IS IT IMPORTANT? WHAT CAN WE DO ABOUT IT?

Enterprise cost of production analysis within a mixed enterprise farming business is an ongoing challenge. As with any biological system different farm enterprises are interdependent on each other and removal of one or several enterprises from a business can have a dramatic effect not only on the cost of doing business but more importantly on the financial returns. Trying to sort out the value and contribution of these interdependencies between enterprises in any meaningful way is a complex task and can sometimes lead to misleading conclusions. Most importantly, analysis is impacted by what I term the ‘known unknown’; i.e. the final cost of production for an enterprise is unknown until production is known; which in farming is something that happens a long way into the future!

As a manager of a farm business is cost of production just a concept or something of practical significance that can be used in everyday decision making? What exactly are you dealing with? To address these questions let’s firstly look at costs over time.

Full Article Here: <https://grdc.com.au/resources-and-publications/grdc-update-papers/tab-content/grdc-update-papers/2019/02/farming-to-profit-focusing-on-the-drivers-of-profit-in-local-farming-systems.-do-we-need-to-concentrate-on-cost-of-production>



COMBATTING PEST WEEDS
FOR INCREASED PRODUCTIVITY

CHEMICAL SUBSIDY AVAILABLE

for successful weed control



are you a primary producer? a DCOC ratepayer?
are you keen to contain weed infestations?

Topics:

SA Weed Control Handbook
Weed Control (Kevin Smith & Tom Moten)
Revegetation
Subsidy Program

September, 18th | 4 pm - 5pm
Orroroo Golf Club, followed by light refreshments

YOU **MUST ATTEND** TO BE ELIGIBLE FOR SUBSIDY PROGRAM

Alternative registration session 'October 2nd 10 - 11am'

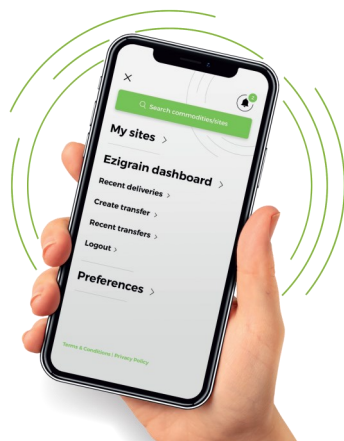
Registrations: Eventbrite or District Council of Carrieton 8658 1260

Subsidy Eligibility is subject to program terms & conditions



Photos Left and Above: UNFS Members Expo—Mixed
Farming Masterclass. Funded through GRDC





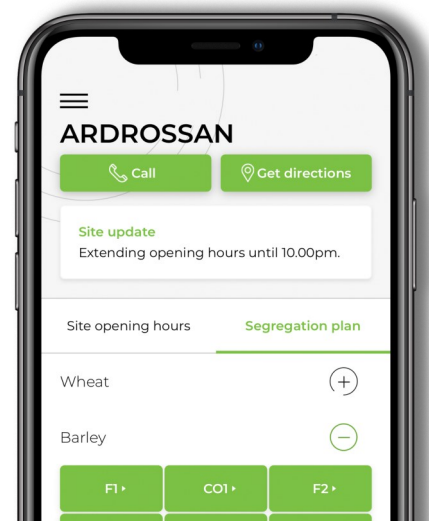
The all new Viterra app



Making it easier for growers to do business

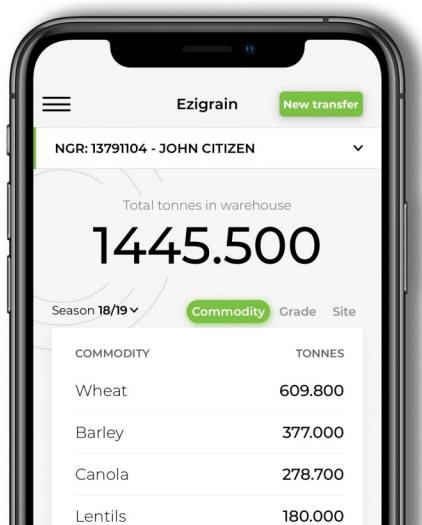
1 SITE SPECIFIC INFORMATION

Quickly access information about preferred sites to help plan your deliveries during harvest. Site information will include site updates, opening hours, segregations and cash pricing.



2 LOGIN TO EZIGRAIN

Access Ezigrain in a secure, mobile friendly format. Transact in an easy three step process, check delivery information and view tonnes in warehouse which can be filtered by season, commodity and grade.



3 RECEIVE PUSH NOTIFICATIONS

Receive push notifications with details of your loads once a delivery is complete so harvesting decisions can be made based on your recent deliveries.



Delivery information includes tonnes, grade, test weight, moisture, protein, site delivered to and vehicle registration.

Download or update now at the App Store or Google Play.

Want more information?

Visit our website: <http://viterra.com.au/index.php/viterra-app/>

Viterra Operations Pty Ltd ABN 88 007 556 256

GPO Box 1169 Adelaide 5001 South Australia

Telephone +61 8 8304 5000 • Facsimile +61 8 8304 5377 • www.viterra.com.au

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Ryegrass seed set control in canola – timing is everything #111

Written by: Peter Newman

Michael Whitney was an opportunist. He just happened to be playing county cricket in England when all of the Australian bowlers went down with an injury during the 1981 Ashes tour. He **got the call-up to fill in and play for Australia** and he grabbed that opportunity with both hands, turning it into an Australian **international cricket career**. Talk about timing!

Stopping ryegrass seed set pre-harvest in canola is all about timing. Sometimes the timing window lines up, other times it does not. **Glen Riethmuller, DPIRD Merredin** has a knack for choosing the most difficult, most labour intensive research trials to undertake. Between 2010 and 2013 he, along with Abul Hashem and Catherine Borger investigated ryegrass seed set control pre-harvest in canola.

They **investigated the practice of spraying under the swather as canola** is windrowed for harvest compared to crop topping (desiccation) spraying over the top of the canola. **At the time glyphosate was not registered for this practice** and this research contributed to this registration. For this reason, these research results were not made available until after the registration process was complete.

The researchers found that **glyphosate can be effective either as a spray swath or crop topping treatment** and that the other registered herbicide, diquat (**Reglone®**) is **sometimes effective** when the ryegrass is at the right stage but results were variable. Sometimes all of the ryegrass seed set control treatments work, sometimes none of them work. **Timing is everything.**

Read more here: <https://ahri.uwa.edu.au/ryegrass-seed-set-control-in-canola-timing-is-everything/>

GRDC Grain Storage Webinar Series 2019

Are you interested in learning more about grain storage?

Join the GRDC Grain Storage extension team for a series of 30 minute webinars to discuss the latest information and management advice to ensure your grain quality

The GRDC Grain Storage Extension Project provides information on grain storage and equips growers with the skills and knowledge to use best management practices of storing grain on-farm.



For more information or to register your interest please contact Amy Harwood at amy.harwood@bcg.org.au or 0456 979 561

8th October - 10am; Grain Bags and Bunkers

12th November - 10am; Grain Protectants

10th December at 10am; Aeration Cooling

<http://storedgrain.com.au/event/webinar-upgrades-existing-storage/>

Photos Below: UNFS 2019 Members Expo, August 1st, Booleroo Centre. Barley Time of Sowing and Fodder Options Trials



“Websites to explore”

Lentil Crop Agronomy; Sowing To Harvest

<https://grdc.com.au/resources-and-publications/grdc-update-papers/tab-content/grdc-update-papers/2019/08/lentil-crop-agronomy-sowing-to-harvest>

<https://grdc.com.au/resources-and-publications/all-publications/publications/2019/frost-identification-guide-for-canola-and-pulses> (a western resource, but has excellent images)

Frost Identification Guide For Canola And Pulses

Upcoming Events Calendar

September 2019

11	UNFS Eastern Spring Crop Walk	Jamie Wilson 0407 796 202
12	UNFS SAGIT Visit	Ruth Sommerville
12	Pasture Series Event, Jamestown	Beth Sleep, Cox Rural
13	Nelshaby Sticky Beak Day/ Western Crop Walk	Steven Johns 0427 341 975
13	Pulse Check Event, Warnertown	Rachel Trengove 0438452003
17	Hart Field Day, Hart	Sandy Kimber 0427 423 154
18	Crop Science Meeting in partnership with UNFS, Spalding	Craig Davies 0477 541 654
18	Combatting Pest Weeds Event, Orroroo	DC of Carrieton 8658 1260
18-19	Stepping into Leadership workshop WOTL	
19	Jamestown Livestock Market	
24 - 26	Yorke Peninsula Field Days, Paskeville	Elaine Bussenschutt 88272040
24 - 26	GRDC Grain storage demonstrations (Paskeville SA) -12.30PM	ben@storedgrain.com.au

October 2019

8	GRDC Grain Storage Webinar Series 2019—10am	amy.harwood@bcg.org.au
3	Jamestown Livestock Market	
15	Spring Twilight Walk Hart	Sandy Kimber 0427 423 154
17	Jamestown Livestock Market	
22-24	NSW Landcare Conference, Broken Hill	nswlandcareconference.com.au
26	GRDC Herbicide Behaviour Workshop (Murray Bridge)	erica@icanrural.com.au
27 - 30	SA Landcare Conference, Bordertown.	Janet Kuys 0477 017 325
28	GRDC Optimised Canola Profitability Roadshows	Cummins 0427 008 469
29	GRDC Optimised Canola Profitability Roadshows	Adelaide 0427 008 469
31	Jamestown Livestock Market	

November 2019

14	Jamestown Livestock Market
28	Jamestown Livestock Market

December 2019

12	Jamestown Livestock Market
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“Something to listen to”

GRDC PODCAST:



International Pulse Market Outlook: Peter Wilson, CEO, AGT Foods Australia

Pulse markets were thrown into disarray during last year's harvest when India imposed tariffs on imports of chickpeas and lentils. On this podcast Chief Executive Officer of AGT Foods Australia Peter Wilson tells us about the current state of play in the pulse market in Australia and overseas.

Grain storage bunkers: Philip Burrill

From time to time a grain grower might be in the position of needing temporary on-farm grain storage. One options for storing grain is a Bunker or grain pad. In this podcast Philip Burrill from Queensland's department of Agriculture & Fisheries' post harvest team and a member of GRDC's national grain storage extension team discusses what to consider if planning to construct a bunker or grain storage pad.

Upper North Farming Systems, PO Box 323, Jamestown, SA, 5491

Facebook: www.facebook.com/UpperNorthFarmingSystems

Twitter: @UnfsNorth

Email: unfs@outlook.com

www.unfs.com.au

Strategic Board Members

Matt Nottle—Chairman — Booleroo Centre
matt.nottle@hotmail.com
0428 810 811

James Heaslip—Vice Chairman and Booleroo Hub Rep
james.h.heaslip@gmail.com
0429 233 139

Joe Koch Financial Officer - Booleroo Centre
breezyhillag@outlook.com
0428 672 161

Matt McCallum Board Member - Booleroo/Willowie
matthewmcag@bigpond.com
0438 895 167

Barry Mudge Board Member - Baroota
theoaks5@bigpond.com
0417 826 790

Jim Kuerschner Board Member
jgkuerschner@gmail.com
0427 516 038

Chris Crouch Board Member
crouchaggroup@outlook.com
0438 848 311

Andrew Walter Board Member and Melrose Hub Rep
awalter@topcon.com
0428 356 511

Matt Foulis Project Development Officer
Willowie/Wilmington
matt@northernag.com.au
0428 515 489

Andrew Kitto Board Member and Gladstone Hub Rep
ajmkitto@bigpond.com
0409 866 223

Kym Fromm - Public Officer - Non-Committee Member
Orroroo
fromms@bigpond.com
0409 495 783

Operations Committee Members

Industry Representatives

Bethany Sleep
bsleep@coxrural.com.au
0448 602 743

Emma McInerney
emma@agex.org.au
0455 527 909

Jamestown
Luke Clark
clarkforestview@bigpond.com
0429 840 564

Ladies on the Land
Jess Koch
Jessica.breezyhill@outlook.com
0419 982 125

Morchard/Orroroo
Gilmore Catford
catclub8@bigpond.com
0400 865 994

Nelshaby Hub — Wandearah
Nathan Crouch
nathan.crouch@hotmail.com
0407 634 528

Pekina/Black Rock
Tom Moten
tom.moten@landmark.com.au
0408 802 629

Quorn
Paul Rodgers
prodge81@gmail.com
0429 486 434

Wilmington
John J Carey
maidavale1@bigpond.com
0428 675 210

New Farmer Representatives
Matt Dennis — Baroota
mattdennis96@outlook.com
0407 117 233

Kyle Bottrall - Jamestown
kbottrall@outlook.com
0438 896 096

Tom Porter
thomasporter9619@@gmail.com
0417 300 788

STAFF

Executive Officer

Ruth Sommerville
Spalding - Part-time
Tuesdays/Thursdays
E: unfs@outlook.com
M: 0401 042 223

Administration and

Finance Officer

Kristina Mudge
Baroota - Part-time
Tuesday/Thursday
E: admin@unfs.com.au
M: 0438 840 369

Project Officer

Jamie Wilson
Adelaide—Part-time
E: jamie@wilcol.com.au
M: 0407 796 202

Pulse Project Officer

Rachel Trengove
Spalding—Part-time
E: rachreid@hotmail.com
M: 0438 452 003