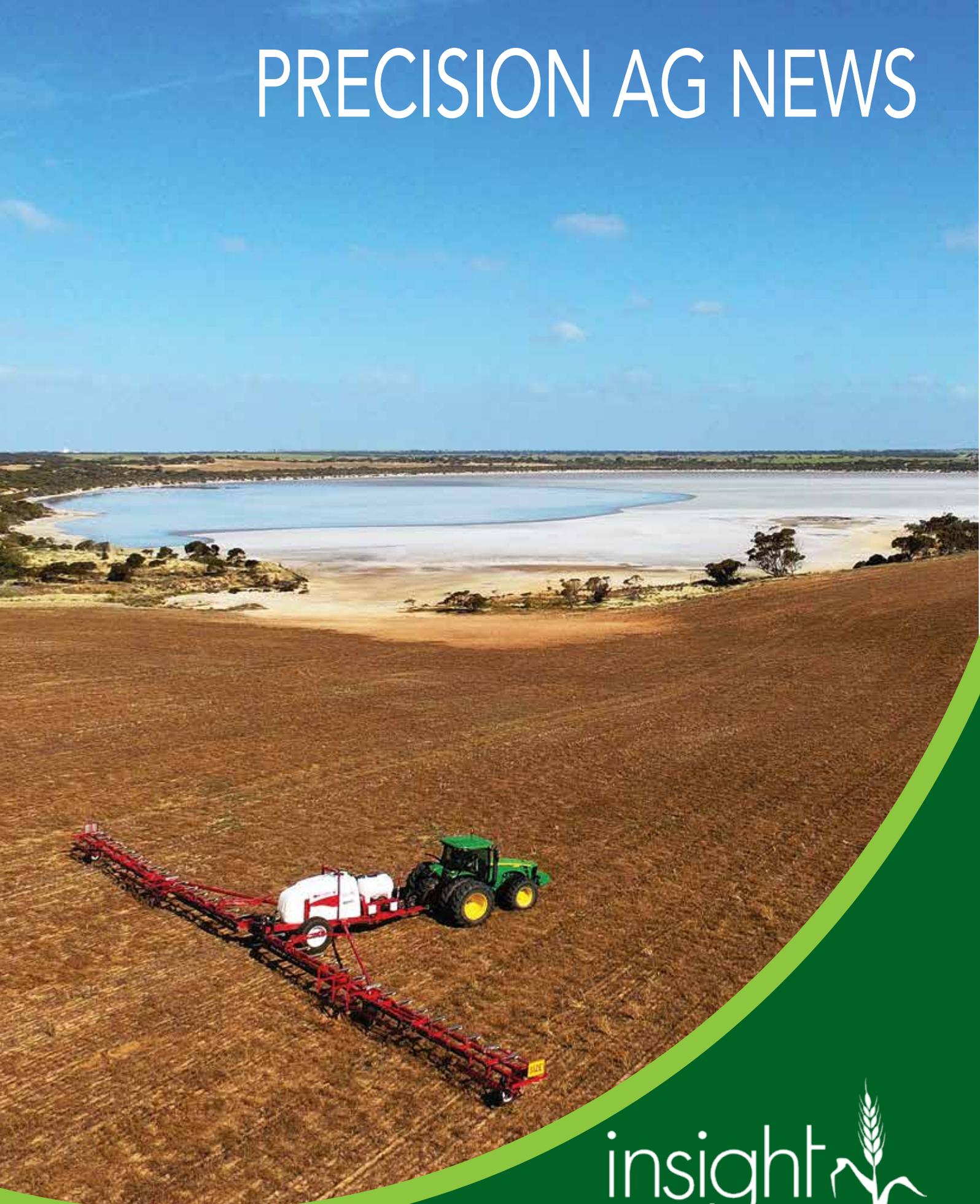


# PRECISION AG NEWS



MAY 2018

insight   
**AG** SOLUTIONS

*Your partner in Precision Ag, driving productivity and profitability,  
and making technology easy...*

# PRECISION PAYS



Photo courtesy Stock Journal

A group of farmers from throughout Australia were invited by John Deere to meet. Together they were able to discuss the challenges and benefits of Precision Ag technology in their varied locations. They were also given hands-on experience with the latest innovations from John Deere Precision Ag. A series of videos have been created from the project where the participating farmers have shared their thoughts and experiences of the technologies on display. Scott Clark of Jamestown was invited to participate. The Clark's are open to new ideas and technologies and continuously push the boundaries and set new standards in farming.

To view the videos and learn more about the integration of precision technology into the current range of John Deere equipment head to <https://www.deere.com.au/en/campaigns/precisionpays/>

## DID YOU KNOW?



John Deere Active Yield (available on MY18 S700 series harvesters) can also be retrofitted to S600 series harvesters. These load cells mean no more weight yield calibrations to the chaser as the machine will do it for you!

## OUR COVER PHOTO

**John Deere 8295R & Croplands WEEDit**

Photographed at Wudinna using a DJI Phantom drone, this photograph also features on the cover of the current Croplands WEEDit Buyers guide.



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# SPAA EXPO UPDATE



*Cutting edge farmers answering questions from the crowd about their experiences implementing precision ag.*

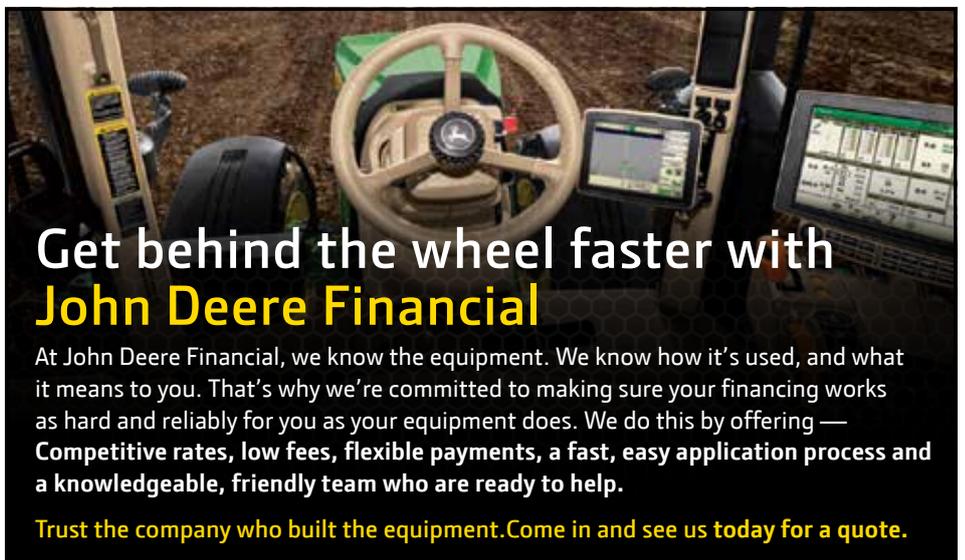
On March 21 the Society of Precision Agriculture Australia (SPAA), held its major expo in Crystal Brook. John Deere are long term gold sponsors of the not for profit organisation, and Deere, along with Insight Ag Solutions had trade exhibits at the event. Insight Ag Solutions precision ag consultant, and President of SPAA Jessica Koch said 'it was fantastic to have a great role up of over 100 local farmers and industry professionals. The presentations this year were fantastic – from soil amelioration, to tips and tricks to implement controlled traffic farming and overcoming hurdles with data layers, I have no doubt everyone took home some ideas to implement in their farming enterprise'. The Insight Ag Solutions crew of Jess and Clint, along with Lance Dickeson from John Deere had plenty of interest in the new 4640 display and extended monitor, and the DJI Phantom 4 Pro on show.



Jess Koch, Clint Powell of Pringles Crouch and Lance Dickeson of John Deere.



The Pringles Crouch SPAA display



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**Trust the company who built the equipment. Come in and see us today for a quote.**

# THE 4640 DISPLAY

## WHAT'S NEW

John Deere have recently released the new 4640 display and Extended Monitor. The 4640 is an AEF ISOBUS display and provides a simple plug and play option for viewing ISO implement controllers.

## IN THE FIELD

Our precision ag team and our precision ag customers are excited by the new functionality on the new 4640 and Extended Monitor.

## FITZGERALD

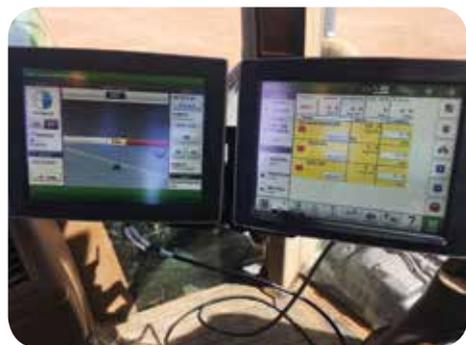
One customer at Buckleboo has improved his seeding set up on his 9RT by adding an extended monitor to the 4600 on the armrest. Leigh Fitzgerald says 'we weren't really using the 4600 in the 9RT but were running two 2630's to control all our seeding functions. We have traded the 2630's in and now run our 1910 aircart, liquid cart, prescriptions and Autotrac through the 4600 and Extended Monitor. We have unlocked these functions on the 4600 and there is now so much less clutter in the cab'. Leigh has also unlocked the new End Turn Automation Activation which he says 'makes end turns just about idiot proof, I am really impressed how well it works with the big 9RT. I have done some chaining with it and am about to set it up for seeding'.

## KITSCHKE

Peter Kitschke has purchased a 4640 to run his new Hardi Saritor. The 4640 uses the ISO system on the Hardi machine to run the Section Control, Height Control, Rate Control and Autosteer. It makes for an uncluttered cab and means that Pete can use his RTK subscription across his whole fleet.

## BARRIE

Peter Barrie has recently purchased a 4640 to run his TopCon Apollo System on his Bourgault Seeder, he says 'I like the simplicity of the system and how I can view Autotrac on one display and my TopCon system on the other, it's just the right fit for our seeding system.'



Set up in Peter and daughter Susan Barrie's seeder set up, reaping the benefits of the dual display viewing mode provided by the extended monitor

## DEMO AVAILABLE

Insight Ag Solutions currently have four 4640 display and extended monitor kits on demo through the Mid North and Eyre Peninsula. Clint Powell, Kimba says 'the 4640 gives customers the ability to process all their functions through one display, yet view them across two screens. The 4640 is the processing display and the Extended Monitor is a viewing display. With more and more functions being run through ISO and JD controllers, customers need the ability to view multiple tasks at the same time'.

## FINANCE



Conditions apply. John Deere Financial Limited. Approved commercial applicants only. Based on 25% deposit, and 36 month term. Fees and charges apply. Expires on 30/5/2018. Other terms and rates are available.

## RTK SHOWS VALUE

Ryan Simpson has recently upgraded from a SF3000-SF6000 RTK Receiver. He liked the idea of two weeks RTK Extend. 'We have a property over at Hallett with no RTK coverage and it will be handy to have the two weeks RTK Extend feature when we head over there for seeding, it will mean that we don't have to worry about a repeater

...it will be handy to have the extend feature.... we don't have to worry about a repeater

# RTK WITH STARFIRE 6000

Have you heard about the advantages of the John Deere SF6000 Receiver?

The StarFire 6000 Receiver is capable of simultaneously tracking correction signals from up to three StarFire correction satellites. The receiver tracks and uses correction signals from all StarFire satellites in view and intelligently chooses one that will deliver the best performance. When the receiver moves into an area where the primary StarFire signal is blocked such as near a tree line, the receiver will automatically switch to an alternate StarFire signal (if visible) to help maintain accuracy and performance. Compare this to the previous StarFire 3000 Receiver that was only capable of tracking one StarFire signal at a time and could wait up to four minutes to initiate the switch to the next available signal.

RTK operators have experienced the value that RTK Extend provides when operating in areas where communication with the RTK base station or mobile RTK network is challenging, such as in hilly terrain, areas with many trees, or areas with poor cellular connection (mobile RTK). The StarFire 6000 makes another step change in RTK Extend performance compared to its predecessor, delivering RTK Extend for up to 14 days.



Starfire 6000 from John Deere

A possible scenario to understand this enhanced RTK Extend feature:

1. Machine receiver (rover) is communicating with the RTK base station or network and is running in RTK mode
2. Time zero – machine receiver loses communication with RTK base station or network due to an obstruction blocking line of site or due to the machine moving outside of base station or network coverage:
  - StarFire 3000 – automatically switches to RTK Extend (RTK-like accuracy and repeatability)
  - StarFire 6000 – automatically switches to RTK Extend (RTK-like accuracy and repeatability)
3. Time - 15 minutes:
  - StarFire 3000 – automatically switches to SF2 fallback (+/- 5-cm [2-in.] accuracy with no repeatability)
  - StarFire 6000 – remains in RTK Extend (RTK-like accuracy and repeatability)
4. Time - 14 days:
  - StarFire 3000 – SF2 fallback ends and operator can switch to SF1 if desired
  - StarFire 6000 – RTK Extend ends and operator can switch to SF1 if desired.

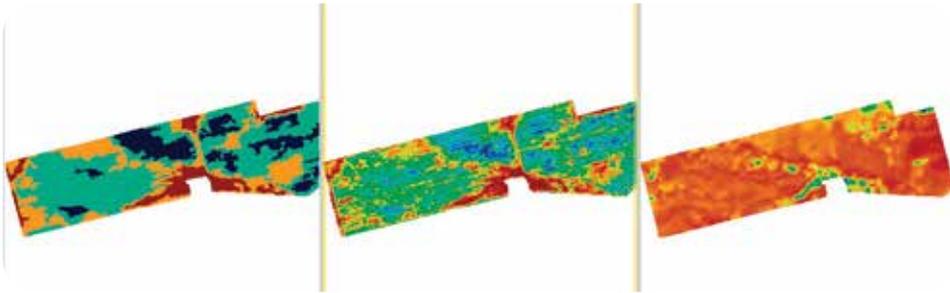
# QUALITY MAP LAYERS

The map processing service delivered by Insight Ag Solutions continues to grow every year. Precision Ag Manager Lindsay Crouch says 'our team have processed over 25,000ha of yield data for the 2017/2018 harvest'.

Insight Ag Solutions team with Precision Cropping Technologies to process customers yield data, which means any anomalies are taken out, if there are two harvesters in the same field their data can be joined together, and multiple calibrations can be corrected.

The yield data is then presented back in to a program called AgCloud, where customers can view their data on a home desktop or iPad and the Insight consultant can draw reports from it, make prescriptions or add in other map layers such as EM38 or pH to assist the customer to make decisions.

'Some of our data customers are in their fourth year of data services with us and continue to benefit from the mapping support from our consultants. Below is an example of a lime fertiliser trial designed by one of our consultants for a customer at Brinkworth, PCT AgCloud allowed the trial strips to be placed on the AB line of the machine so that they went out accurately, and could be analysed through the yield map at the end of the year as they lined up on the harvester run lines also.'



# AGWORLD INTEGRATION

The John Deere Operations Centre continues to collaborate with a number of different third party programmers and software providers. Our PA crew are particularly excited about the recent announcement of the ability for customers to link an Agworld account with the John Deere Operations Centre account.

Lindsay Crouch has met twice with industry reps, discussing and learning about what it possible with this new collaboration, he says 'wouldn't it be great if your farm records filled themselves? Agworld's integration with Operations Centre means that controller files can be sent directly to the machine's controller and once the job is done, the as applied data will be automatically imported and organized alongside the rest of the production data for the farm.'

Scott and Luke Clark, Jamestown, are retrofitting their 8R and 8RT with 4G MTG's so that they may benefit from the wireless data transfer and move recommendations between Agworld and their machines for spreading, seeding and spraying operations and then move the as applied data back from the machine to Agworld to keep accurate and easy records.

# USED PRECISION AG EQUIPMENT



**John Deere Displays** - Add another display to your setup. Wide variety available including 2600.



**John Deere Receivers** - Including Starfire ITC. Stock arriving all the time.



**TopCon** - Various items including an X20 with RTK & TopCon ECU.

**Lindsay:** 0407 717 845

**Clint:** 0427 695 641

**Jess:** 00419 982 125



## NEW PHANTOM 4 PRO OBSIDIAN



The Phantom 4 Pro Obsidian is the latest addition to DJI's signature Phantom series.

Retaining all the advanced flight and camera features of the Phantom 4 Pro, the P4P Obsidian also includes a new matte, dark grey shell, as well as a magnesium gimbal that has been electroplated and anti-fingerprint coated.

The dark grey shell gives added visibility on glary/sunny days. The aircraft is outfitted with sensors all over. The P4P Obsidian retains the whole obstacle avoidance system from P4P, sensing obstacles in five directions, and avoiding them in four.

Susan and Peter Barrie, Willowie have recently invested in a new Phantom4 Pro Obsidian and are excited by the opportunities it opens. Susan says, 'we are already using it to scout paddocks and suspect it will be very useful in the growing season for doing crop inspections. We are checking our tree plantations along creek lines and think it will have a use in sheep mustering as we have a lot of scrub'.