



20 21

HART TRIAL
RESULTS



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The board of the Hart Field-Site Group Inc would like to acknowledge the significant financial contribution of our committed sponsors, supporters, collaborators and partners.

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Sponsors



Research supporters



We also receive project funding support provided by the Australian Government

Collaborators



Hart 2022 calendar

HART FIELD DAY

September 20

Our main Field Day attracts over 600 visitors from all over South Australia and interstate.

Every half hour a block of eight sessions are run simultaneously with highly regarded specialists speaking at each trial. A comprehensive take-home Field Day Book is included in the entry fee.

This is Hart's main event of the year.



Hart AGM

October 2022

Getting The Crop In

March 9

8am – 12:30pm

At this annual seminar, industry guest speakers from across the county cover a wide range of topics, all relevant to broadacre cropping.

Winter Walk

July 19

9am – 12pm

An informal guided walk around the trial site; the first opportunity to inspect the site post seeding, with guest speakers presenting their observations on current trials.

They are on hand to answer questions and will also share their knowledge on all the latest cropping systems and agronomic updates.

Spring Twilight Walk

October 18

5pm followed by BBQ

Another informal opportunity to inspect the trial site, this time just prior to harvest, again with industry researchers & representatives presenting in the field.

This event is followed by drinks and a BBQ in the shed - a great opportunity to network.

Acknowledgements

The success of our research program could not be achieved without the contribution of a large number of people and organisations.

Supporters

We thank the numerous growers and consultants who provide various contributions, from knowledge and experience through to land and equipment for conducting trials.

Peter Baker	Damien Hooper	Rural Solutions, Nuriootpa
Andrew Cootes	Michael Jaeschke	Andre Sabeeney
Rob & Dennis Dall	Roger Kimber	Stefan Schmitt
Matt Dare	Larn McMurray	Stuart Sherriff
Trevor Day	Tim Murphy	Damien & Ben Sommerville
Jack Desbiolles	Daniel Neill	Kelvin Tiller
Ben Fleet	Sarah Noack	Rob & Glenn Wandel
Leigh Fuller	Anthony Pfitzner	Reinhold Wehrmann
Gurjeet Gill	Ashley Pilkington	Glen Wilkinson
Simon Honner	Chris Preston	Justin, Bradley & Dennis
Peter Hooper	Tom & Ashley Robinson	Wundke

We would also like to thank various organisations for the provision of seed and/or products that were trialed in the 2021 research program.

ADAMA	InterGrain	SARDI Vetch Breeding
Advanta Seeds	LongReach Plant Breeders	Program
Australian Grain	Nufarm	SARDI Agronomy & Crop
Technologies	Nuseed	Sciences
Barenbrug	PGG Wrightson Seeds	Seednet
BASF	Australia	Seed Force
Bayer Crop Science	Pioneer Seeds	Sumitomo
Corteva Agriscience	Plant Science Consulting	Syngenta
FMC	Pulse Breeding Australia	University of Adelaide
Global Grain Genetics	S & W Seeds	UPL
Imtrade	SARDI Clare	

Thank you also to the following people who volunteer on Hart's Research Committee.

Rob Dall	Simon McCormack	Scott Weckert
Matt Dare	Sarah Noack	Glen Wilkinson
Ash Hentschke	Rob Price	
Simon Honner	Stuart Sherriff	

And finally, thank you to those who have volunteered their time to support Hart's 'BEEN FARMING LONG?' workshop series for early career farmers.

Jim & Katherine Maitland	Deb Purvis	Ben Wundersitz
Andrew Mitchell	Scott & Jeff Weckert	Ben Marshman
Rob Pratt		

Our guiding principles

OUR PURPOSE

To deliver value to growers and make agriculture better
(in productivity, sustainability & community)

OUR VISION

To be Australia's premier cropping field site, providing independent information and enhancing the skills of the agricultural industry

OUR VALUES

Independence

in order to provide unbiased results

Relevance

to issues facing farmers

Integrity

in all dealings

Credibility

through providing reliable, quality information

Professionalism

in the management of the site and presentation of trials

Value for money

low cost of information to farmers

Hart management

Hart Field-Site Group board

Andre Sabeeney (Clare)	Chairman
Ryan Wood (Clare)	Vice-chairman, sponsorship
Sandy Kimber (Clare)	Executive officer
Deb Purvis (Wallaroo)	Finance officer
Matt Dare (Marola)	Commercial crop manager, sponsorship
Simon Honner (Blyth)	Board member
Rob Dall (Kybunga)	Board member
Glen Wilkinson (Snowtown)	Sponsorship
Stuart Sherriff (Clare)	Board member
Scott Weckert (Blyth)	Sponsorship, community engagement
Josh Reichstein (Blackwood)	Board member
James Venning (Barunga Gap)	Board member
Rebekah Allen	Research & extension manager
Declan Anderson	Regional intern
Gabrielle Hall	Media

Site Management

SARDI, Agronomy Clare:

Patrick Thomas, John Nairn, Sarah Day, Navneet Aggarwal, Penny Roberts, Dylan Bruce, Greg Walkley, Amber Spronk, Dili Mao and Jacob Nickolai

Hart Field-Site Group:

Rebekah Allen and Declan Anderson

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Or find out more about us...





Hart Field Day

September 20, 2022



www.hartfieldsite.org.au

The Hart site

The Hart field site (40 ha owned by the group) is managed as four quarters that are rotated each year. In 2021, Quarter 3 hosted our trials.

Quarter 4 was sown with Mulgara oats and was cut for hay to tidy the site in preparation for 2022 trials.

Quarters 1 and 2 were sown with canola as our commercial crop.

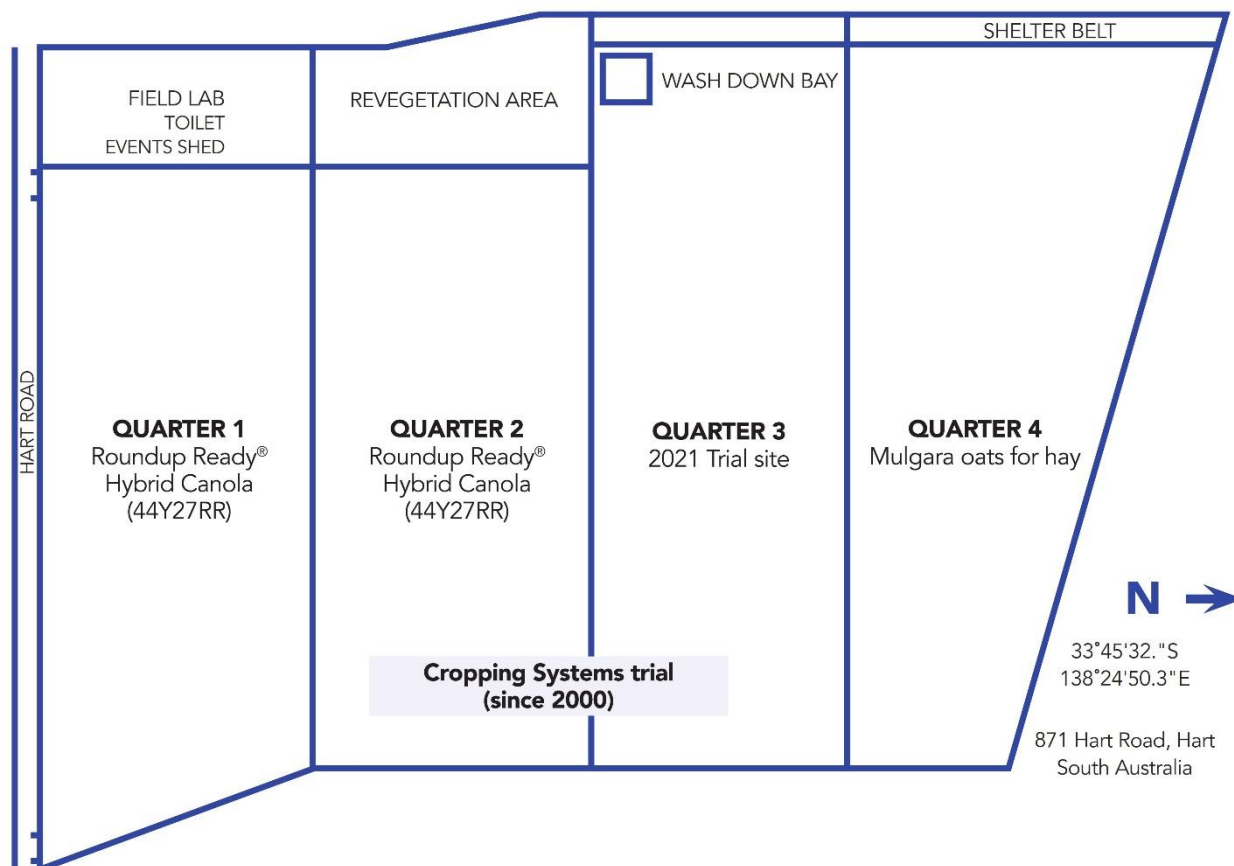


Photo. Hart field site, 2021 harvest.

Hart commercial crop report

Matt Dare; Hart Field-Site Group

The 2021 commercial crop was Round Up Ready Hybrid Canola (Pioneer 44Y27 RR), dry sown in Quarters 1 and 2 and the south carpark of the site on April 26. Seeding rate was 2.35 kg/ha plus 80 kg DAP with flutriafol at label rates.

Conditions at Hart were relatively dry until May 25, with a few minor rainfall events on May 9, 11 and 15 resulting in very patchy emergence of canola and generally a thin crop. A relatively small amount of mouse activity was also present on parts of the site. 1.0 L/ha of Crucial (600 g/L glyphosate) + 70 ml Archer (750 g/L clopyralid) was applied on June 28 when the crop was at 2 – 5 leaf stage. No more applications of glyphosate were applied as Pioneer 44Y27 RR is not tolerant of glyphosate after 6 leaf stage.

Thanks to Jamie Wilson of Pioneer Seeds for organising seed, and Andre Sabeeney of Nufarm for supplying the Crucial herbicide.

Nitrogen was applied to the commercial canola crop as 100 kg/ha urea on July 1 and another application of 75 kg/ha of urea was made on August 18.

Rob Wandel windrowed the canola October 24 and applied 2.35 L/Ha of Crucial (600 g/L Glyphosate) under the windrow to control later germinating ryegrass and other weeds. Thanks to Andre Sabeeney and Nufarm for supplying the Crucial herbicide.

The site was hit with a strong wind event on October 29, resulting in canola windrows blowing across the site..

The commercial crop was harvested by Rob Wandel on November 19 and delivered to Owen by Angus Dare.

Despite the patchy emergence, lack of spring rain and severe wind post-windrowing and pre-harvest the commercial canola crop yielded 16.3 t (0.96 t/ha) with 41% oil content. GM Canola was sold to Viterra for \$830/t.

Quarter 4 of the site was sown to Mulgara oats for hay on May 28 in preparation for the 2022 trial site.

The oats were cut just after the field day by Rob Wandel and was baled on October 12.

Quarters 1, 2 and 4 were sprayed for summer weeds by Scott Weckert on December 13. Quarter 3 was sprayed late January (post trials harvest) for summer weeds by SARDI.

I would like to thank all who helped out with the commercial crop this past year, in particular Rob Wandel who windrowed and harvested in amongst his own busy cropping program.





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* VALIANT^{CL} PLUS is classified as an AH (Australian Hard) in the Southern and Western classification zones.

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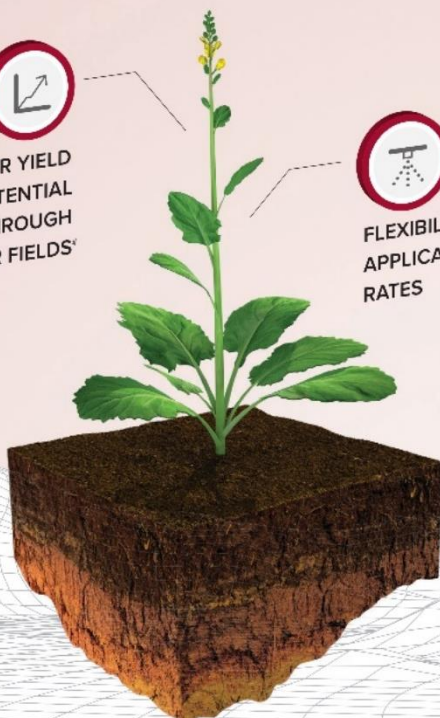
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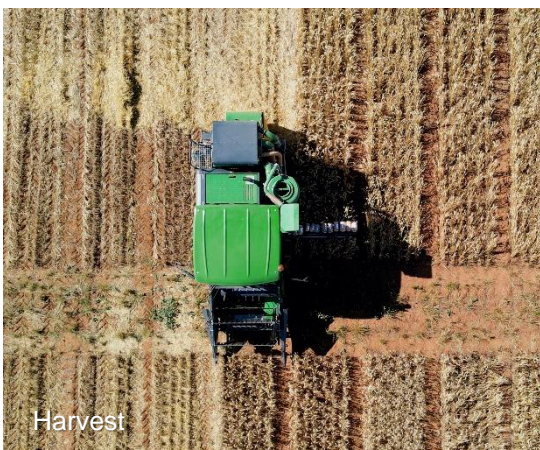
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Hart 2021



Getting The Crop In seminar



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The Hart team



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