

Stacked XC® technology

2023-24 Western Australia

Product guide



6 Big reasons

Why Australian farmers are growing XC stacked technology



XX TECHNOLOGY WITH HIGH IMI SOIL CARRYOVER

01

IMI herbicide soil carryover crop protection benefits

Over single trait TruFlex® technology^
Increased grain yield 300 kg/ha – 2590 kg/ha
Increased gross returns \$129 /ha – \$1553 /ha

02

Delivering competitive grain yields compared to GLY hybrids

Often, no significant difference with some popular TruFlex® hybrids in GRDC NVT trial sites

03

Delivering higher yields & gross returns over single trait OP TT

Increased grain yield 150 kg/ha – 1060 kg/ha^
Increased gross returns \$90 /ha – \$636 /ha^

XC TECHNOLOGY WITH HIGH IMI SOIL CARRYOVER

04

Increased ryegrass weed control efficacy

Over single trait Clearfield® technology^
Increased ryegrass weed control – up to 23%
Increased ryegrass spikelet control – up to 92%

05

IWM resistance management with increased flexible rotations

Use as either or both spray strategy; XX or CL or combined XC to implement a “mix and rotate” strategy assisted by HWSC methods.

06

IWM boom spray contamination benefits and crop protection

Increased Grain Yield 140 kg/ha – 350 kg/ha^
Increased Gross Returns \$76 /ha – \$198 /ha^

^2019 and 2020 Pacific Seeds IWM and IMI Residue replicated trials. Available on <https://www.pacificseeds.com.au/agronomy-hub/>

2023-24 product features



HYOLA REGIMENT XC	HYOLA GARRISON XC	HYOLA BATTALION XC	AGRONOMIC ATTRIBUTES
1.0 - 4.5 t/ha	1.25 - 2.5 t/ha	0.75 - 2.0 t/ha	Yield adaptability
R	R	R	Blackleg rating
ADFH	ADF	ADF	Blackleg groups
High - Very high	High - Very high	Moderate - high	Oil potential
XX + CL	XX + CL	XX + CL	Herbicide tolerance
Early - Mid	Early - Mid	Early	Maturity
8.5 - 9.0	8.0 - 8.5	7.5 - 8.0	# Plant vigour
Medium - Tall	Medium - Tall	Medium	# Plant height
LRZ - HRZ	MRZ - MHRZ	LRZ - MRZ	Growing zones

Visual ratings from Pacific Seeds replicated Research & Development trials

Early trials yield performance

Western Australia (yield groups)



GRDC NVT GLY TRIALS WESTERN AUSTRALIA CANOLA VARIETY	Group Mean Yield Trials	1 0.74 t/ha 3	1.5 1.21 t/ha 7	2 1.66 t/ha 8	2.5 2.33 t/ha 11	3 2.72 t/ha 7	3.5 3.16 t/ha 4	4 3.64 t/ha 1
Nuseed Hunter TF	18			111	111	110	109	
InVigor LR 4540P	11			109	109	107	107	
Nuseed Emu TF	28	119	115	118	109	101	99	114
Pioneer 44Y27 (RR)	41	107	110	109	108	106	106	110
Pioneer 44Y30 RR	22		97	101	103	106	105	100
Hyola Regiment XC	11		103		103	103	104	101
InVigor R 4022P	37	99	102	98	103	103	102	105
InVigor R 4520P	37	91	101	92	102	105	105	105
Hyola Battalion XC	30		98	103	100	99	98	100
DG Lofty TF	22		91	92	97	99	96	97
Hyola Garrison XC	26	99	91	96	96	99	98	
Hyola 410XX	37	98	92	97	93	94	95	90
DG Bindo TF	16			83	91	94	93	

Selected varieties have been used for specific grain yield performance comparisons above.

Visit the GRDC NVT website, <https://app.nvt.grdc.com.au/lty/table/canola/> for full sets of results.

Mid trials yield performance

Western Australia (yield groups)



GRDC NVT GLY TRIALS WESTERN AUSTRALIA CANOLA VARIETY	Group Mean Yield Trials	1 0.84 t/ha 2	1.5 1.23 t/ha 1	2 1.73 t/ha 3	2.5 2.31 t/ha 6	3 2.77 t/ha 13	3.5 3.23 t/ha 13	4 3.72 t/ha 4
Hyola Regiment XC	16				113	106	107	109
Nuseed Hunter TF	14			114	112	109	109	110
InVigor LR 4540P	10			113	109	109	106	
Nuseed Eagle TF	15			106	108	106	110	109
InVigor R 4520P	39	110	112	110	107	109	107	108
Pioneer 44Y27 (RR)	39	116	108	108	107	103	104	105
Pioneer 44Y30 RR	27			108	106	107	107	107
Pioneer 45Y28 RR	31	96		102	105	105	108	107
Hyola Garrison XC	35	107	95	104	104	98	96	98
InVigor R 4022P	39	113	109	107	102	103	99	101
Hyola 410XX	27	106	95	101	100	96	93	95

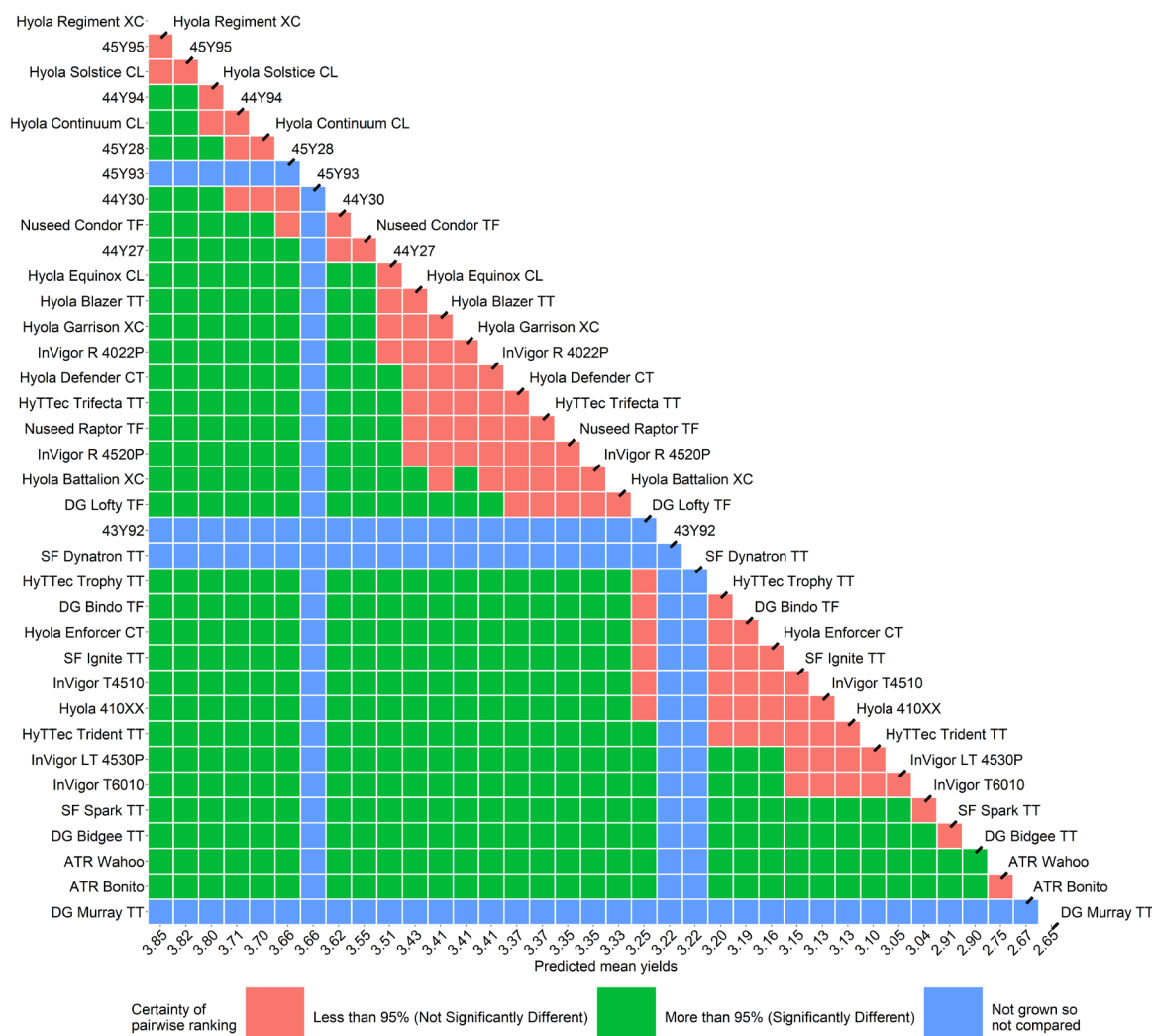
Selected varieties have been used for specific grain yield performance comparisons above.

Visit the GRDC NVT website, <https://app.nvt.grdc.com.au/lty/table/canola/> for full sets of results.

INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE

Hyola Regiment XC

Gibson WA yield results



The x-axis shows the yield (t/ha) ranked from high to low, left to right for each variety listed in the column.

To compare two varieties:

Find the row with the variety you're interested in and compare it to a column with another variety.

The colour of the square where the row and column intersect tells you if there is a significant difference in yield.

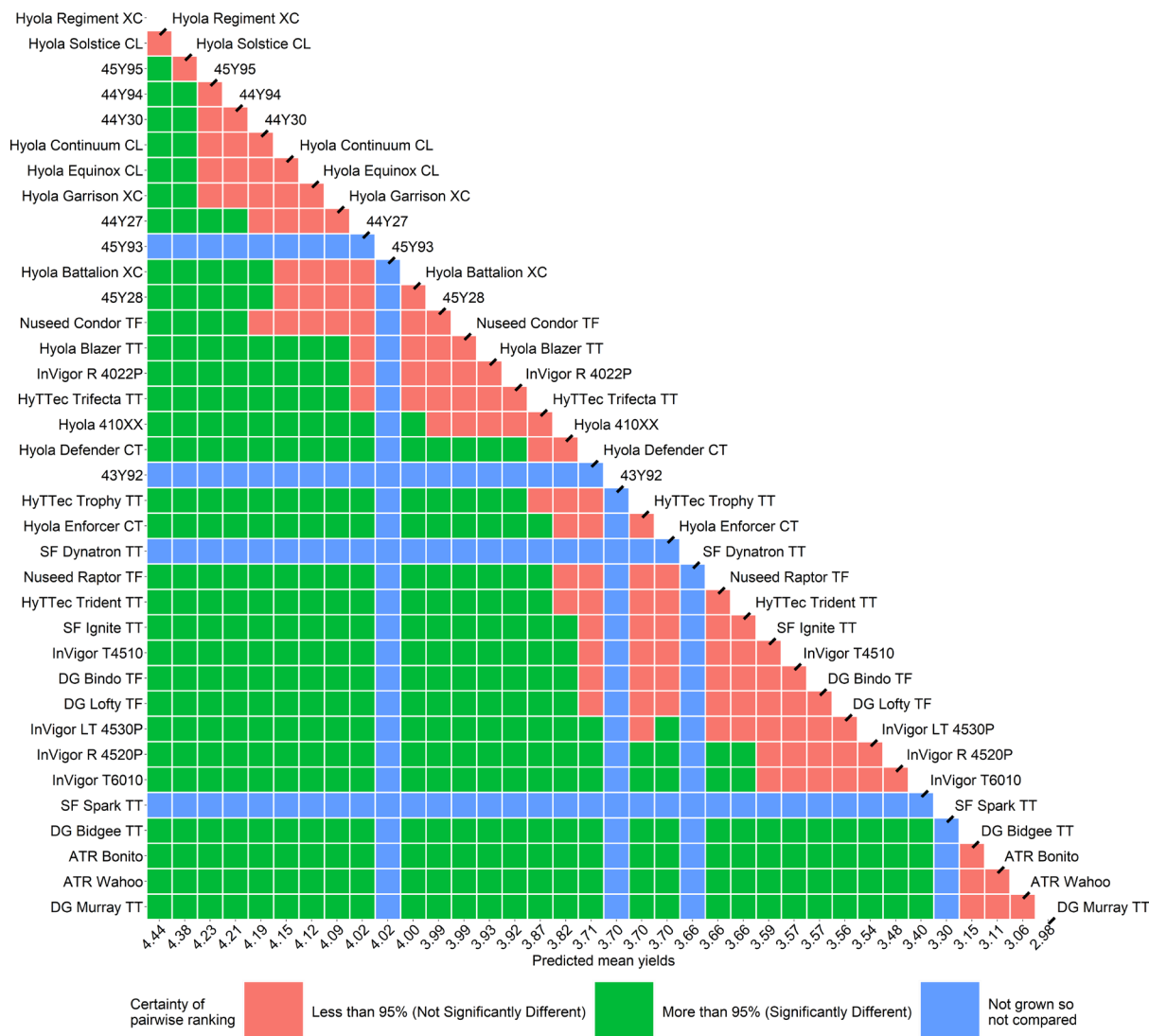
- A red square means there's no significant difference
- A green square means there is a significant difference
- A blue square means that the variety wasn't grown at the trial site, so only predicted yields are available

INDUSTRY LEADING ANALYSED SINGLE SITE YIELD PERFORMANCE



Hyola Regiment XC

Buntine WA yield results



The x-axis shows the yield (t/ha) ranked from high to low, left to right for each variety listed in the column.

To compare two varieties:

Find the row with the variety you're interested in and compare it to a column with another variety.

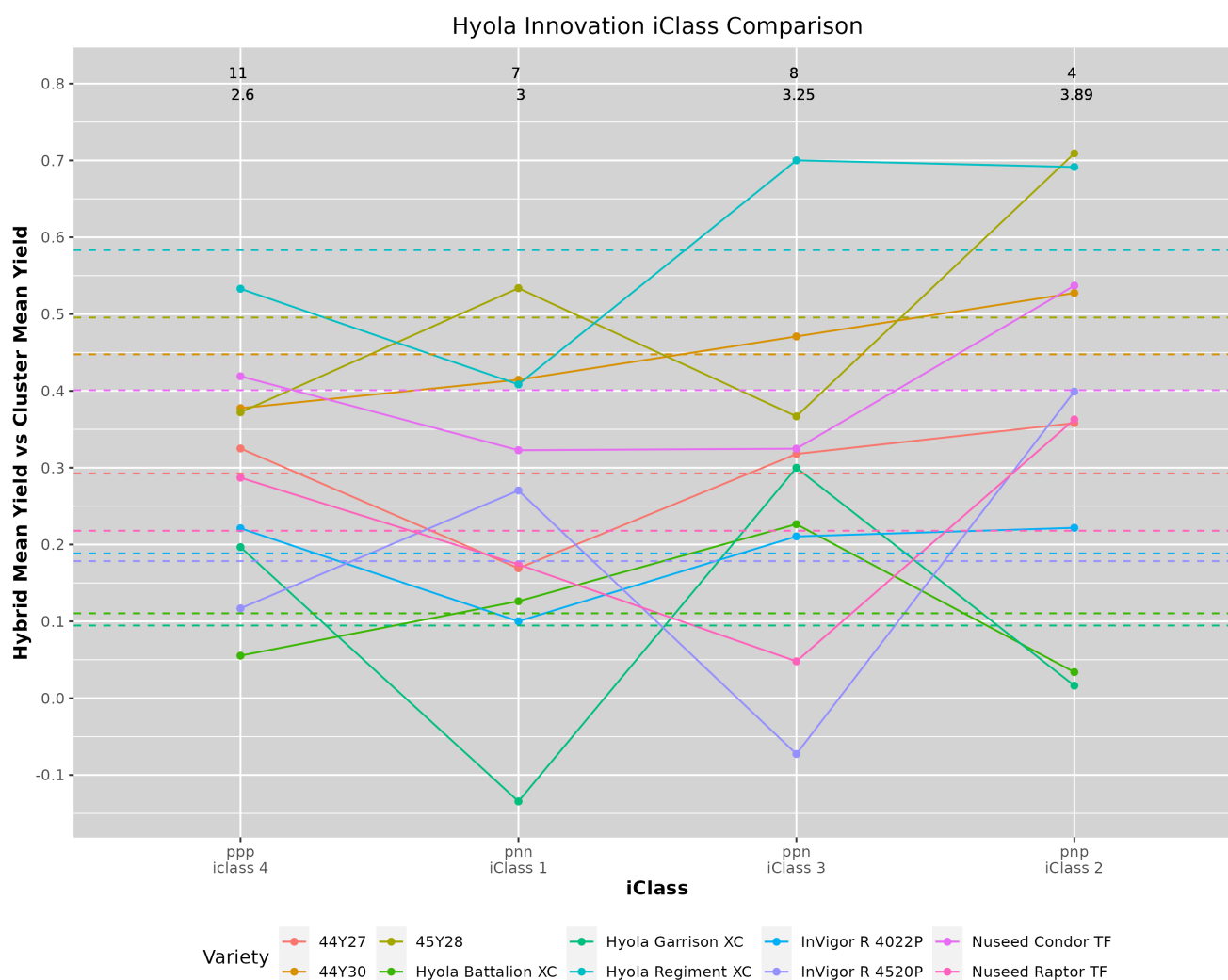
The colour of the square where the row and column intersect tells you if there is a significant difference in yield.

- A red square means there's no significant difference
- A green square means there is a significant difference
- A blue square means that the variety wasn't grown at the trial site, so only predicted yields are available

INDUSTRY LEADING ANALYSED SINGLE SITE YIELD PERFORMANCE



Highlighting high yield performance



Industry leading trial design and analysis across all technologies shows Hyola Regiment XC performance as up the top with leading GLY hybrids

Pacific Seeds runs a Factor Analytic (FA) linear mixed model for MET analysis using ASREML with iClasses, where iClasses are groups of trials that capture patterns of variety by environment interaction. The iClasses are an extension of a normal MET analysis where you normally cluster trials based on a dendrogram of trial relatedness.

Trial data across two years and 30 trial sites for Hyola Regiment XC demonstrates its wide adaptation to a range of growing environments across Australia, providing Australian growers with a high level of confidence in Hyola Regiment XC's performance. Hyola Regiment XC exhibits very high oil and a quad-gene blackleg resistance rating of "R".

Contact Us

Territory Managers

Ask us about how our products can add value to your business and customers.



Craig Wade

Central Highlands,
Callide, Far North Qld

cqcommodities@bigpond.com
+61 417 820 388



Chris Gillam

Western Downs, Maranoa, Burnett,
Wide Bay, Goondiwindi and Nth Star.

chris.gillam@advantaseeds.com
+61 428 156 571



Angus Somes

Lockyer & Fassifern Valley,
Nth Rivers NSW

angus.somes@advantaseeds.com
+61 408 452 322



Bill Smith

Inner Darling Downs

bill.smith@advantaseeds.com
+61 428 718 021



Rob McCarron

Hunter Valley, South Coast,
Central West NSW, NT

rob.mccarron@advantaseeds.com
+61 427 748 458



Tony McCumstie

Liverpool Plains, Mid North Coast,
Nth NSW, North West NSW

tony.mccumstie@advantaseeds.com
+61 428 717 738



Karl Schilg

MIA, East Riverina,
South West Slopes

karl.schilg@advantaseeds.com
+61 488 049 160



Dan Rolls

Central, East & Western
Districts Victoria

daniel.rolls@advantaseeds.com
+61 417 756 151



Tim Wilmhurst

SA, Western Victoria and
Tasmania

tim.wilmhurst@advantaseeds.com
+61 448 413 440



Ella McDonald

Central WA

ella.mcdonald@advantaseeds.com
+61 448 014 892



Steve Lamb

Northern WA

steve.lamb@advantaseeds.com
+61 429 619 103

Technical Specialists

Talk to us about technical and agronomic advice to maximise product performance.



Justin Kudnig

National Canola
Technical Manager

justin.kudnig@advantaseeds.com
+61 408 408 616



Andrew Heinrich

Canola Technical Specialist

andrew.heinrich@advantaseeds.com
+61 473 520 818

**For current information on Pacific Seeds varieties,
contact Toowoomba head office on (07) 4690
2666 or visit us online at pacificseeds.com.au**

The information provided in this publication is intended as a guide only. Advanta Seeds Pty Ltd ('Advanta Seeds') (including its officers, employees, contractors and agents) can not guarantee that every statement is without flaw of any kind. While Advanta Seeds has taken all due care to ensure that the information provided is accurate at the time of publication, various factors, including planting times and environmental conditions may alter the characteristics and performance from plants. Advanta Seeds shall not be liable for any errors or omissions in the information or for any loss, injury, damage or other consequence whatsoever that you or any person might incur as a result of your use of or reliance upon the products (whether Advanta Seeds products or otherwise) and information which appear in this publication. To the maximum extent permitted by law, the liability of Advanta Seeds for any claim whatsoever arising out of the supply or use of or reliance upon the products and information in this publication (including liability for breach of any condition or warranty implied by the Trade Practices Act 1974 or any other law) is limited at its discretion, to the replacement of the products, the supply of equivalent products or the resupply of the publication. For application to specific conditions, seek further advice from a local professional. © Advanta Seeds 2023.

Hyola®, Pacific Seeds®, XC® and Growing Possibilities® are registered trademarks of the Advanta Group. Truflex® is a registered trademark of the Bayer group. National Variety Trials a GRDC Initiative® is a registered trademark of the Grains Research & Development Corporation. HyTtec® is a registered trademark of Nuseed Pty Ltd. Clearfield® and InVigor® are registered trademarks of the BASF group.



Pacific Seeds

Growing possibilities