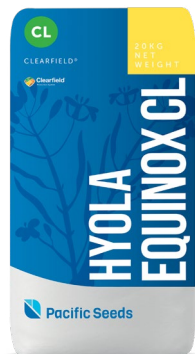
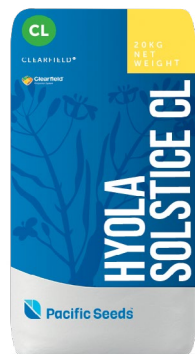
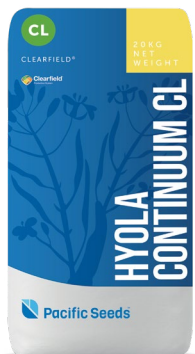


Clearfield® technology

2023-24 Western Australia

Product guide



Clearfield
Production System



Pacific Seeds™
Growing possibilities

2023-24 Product features

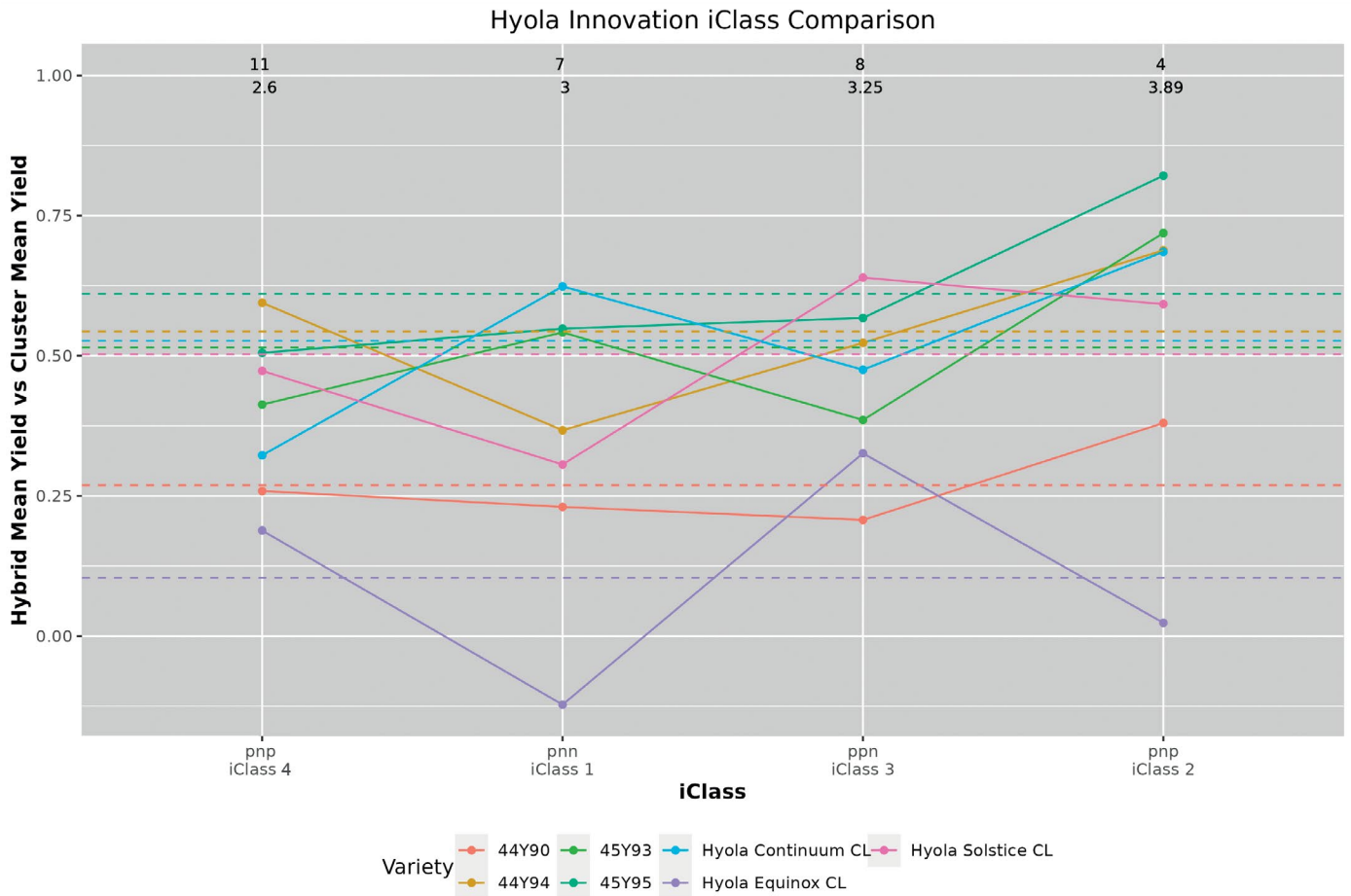


AGRONOMIC ATTRIBUTES	HYOLA® CONTINUUM CL	HYOLA SOLSTICE CL	HYOLA EQUINOX CL
Yield adaptability	1.5 - 5.5 t/ha	1.0 - 3.0 t/ha	1.0 - 2.5 t/ha
Blackleg rating	R (P)	R	R
Blackleg groups	ADF	ADFH	ADF
Oil potential	High	High - Very high	High
Herbicide tolerance	CL	CL	CL
Maturity	Early - Mid	Early - Mid	Early - Mid
# Plant vigour	8.5 - 9.0	8.5 - 9.0	7.5 - 8.0
# Plant height	Medium - Tall	Medium - Tall	Medium
Growing zones	MRZ - VHRZ	LRZ - MRZ	LRZ - MRZ

Visual ratings from Pacific Seeds replicated Research & Development trials
 (P) = Provisional industry rating

1. COMPETITIVE TRIAL YIELD PERFORMANCE
2. ADDED ROTATIONAL ADVANTAGE OF DIFFERENT BLACKLEG RESISTANCE GENES
3. HIGHER OIL % FOR INCREASED BONUSES

Highlighting high yield performance



Industry leading trial design and analysis across all technologies shows Hyola Continuum CL and Hyola Solstice CL hybrid performance as very competitive with leading CL 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.

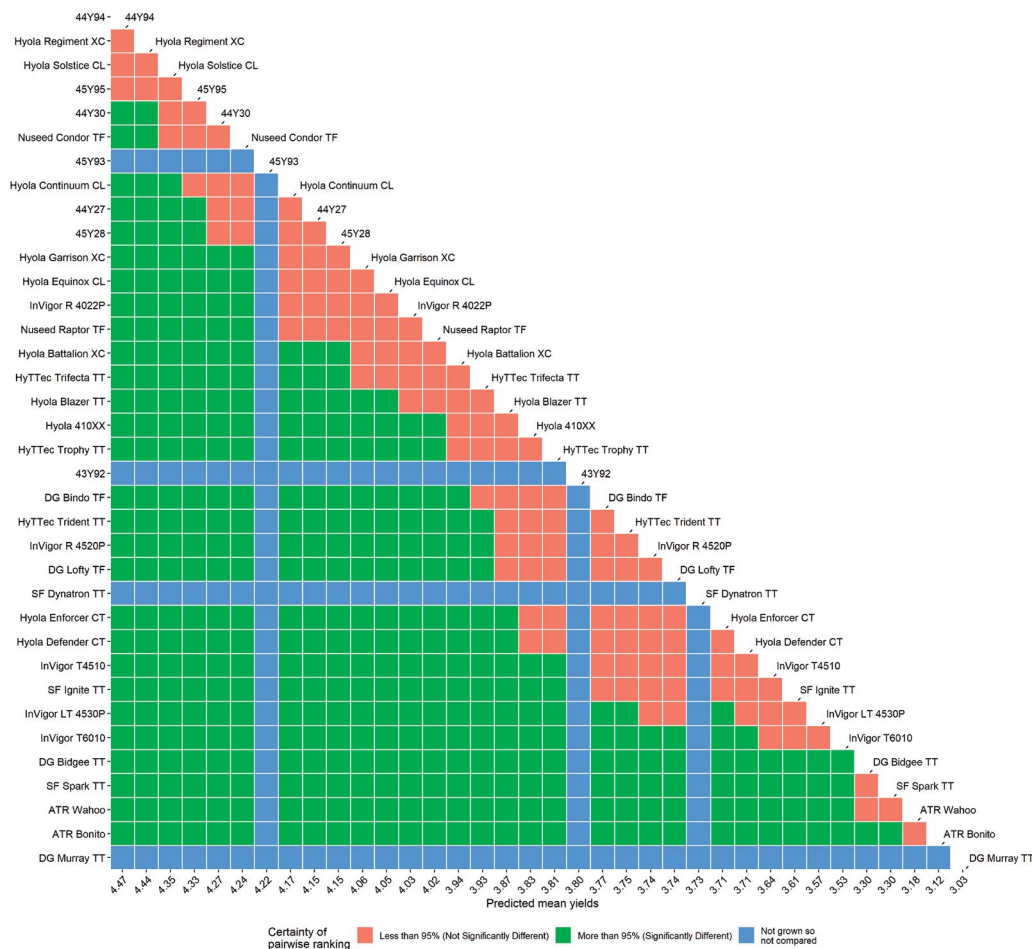
Trial data across 2 years and 30 trial sites for Hyola Continuum CL and Hyola Solstice CL, demonstrates their wide adaptation to a range of growing environments across Australia, providing Australian growers with a high level of confidence in their performance. Both hybrids also exhibit very high oil and a multi-gene blackleg resistance rating of "R".



INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE

PACIFIC SEEDS HYOLA TRIAL RESULTS

Highlighting high yield performance 2022 innovation systems - Yealering WA



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

02 To compare two varieties

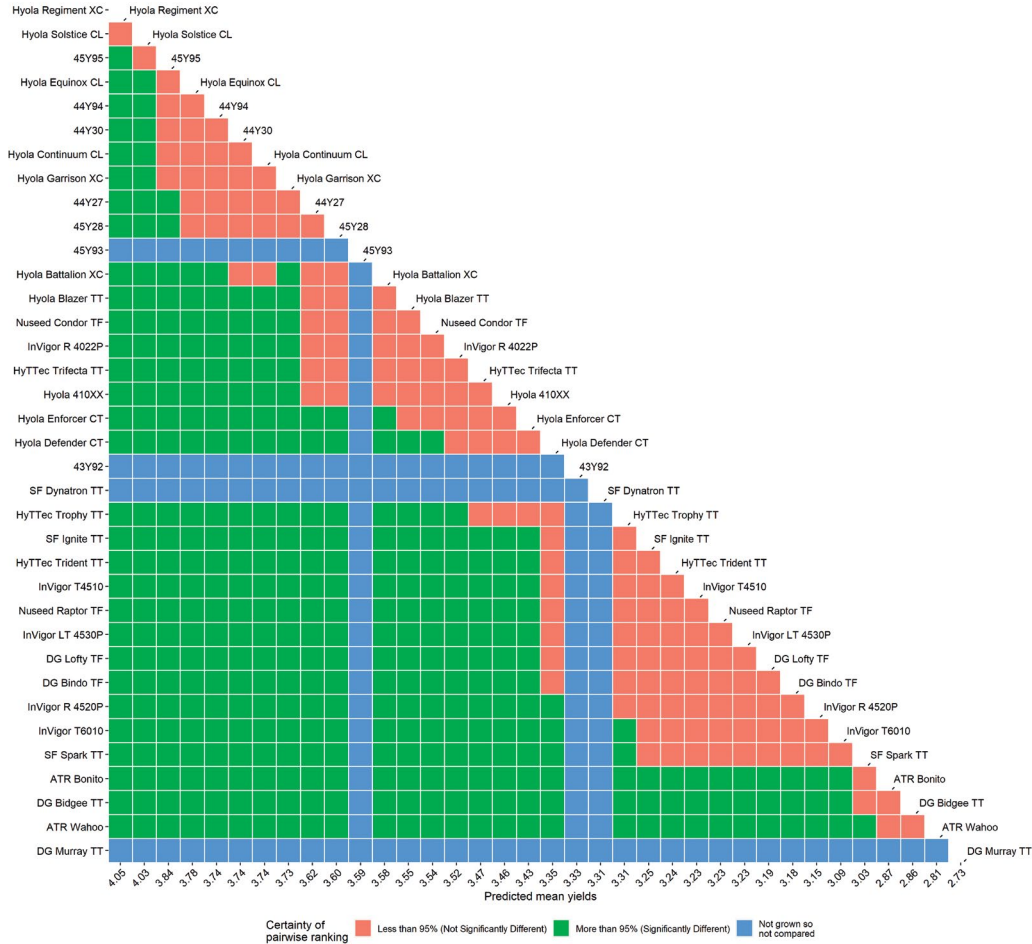
- Find the row with the variety you're interested in and compare it to a column with another variety
- The colour of the square where the row and column intersect tells you if there is a significant difference in yield
 - A red square means there's no significant difference
 - A green square means there is a significant difference
 - A blue square means that the variety wasn't grown at the trial site, so only predicted* yields are available.

*The research study used a factor analytic linear mixed model to calculate predicted yields for blue squares. The factor analytic linear mixed model breaks down complex data sets into hidden variables called "factors" that reflect characteristics of the growing environments. This method reduces uncertainty and makes better predictions by borrowing information from a population model - Dr Alison Smith, Principal Research Fellow, University of Wollongong.

INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE



Highlighting high yield performance 2022 innovation systems - Binnu WA



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

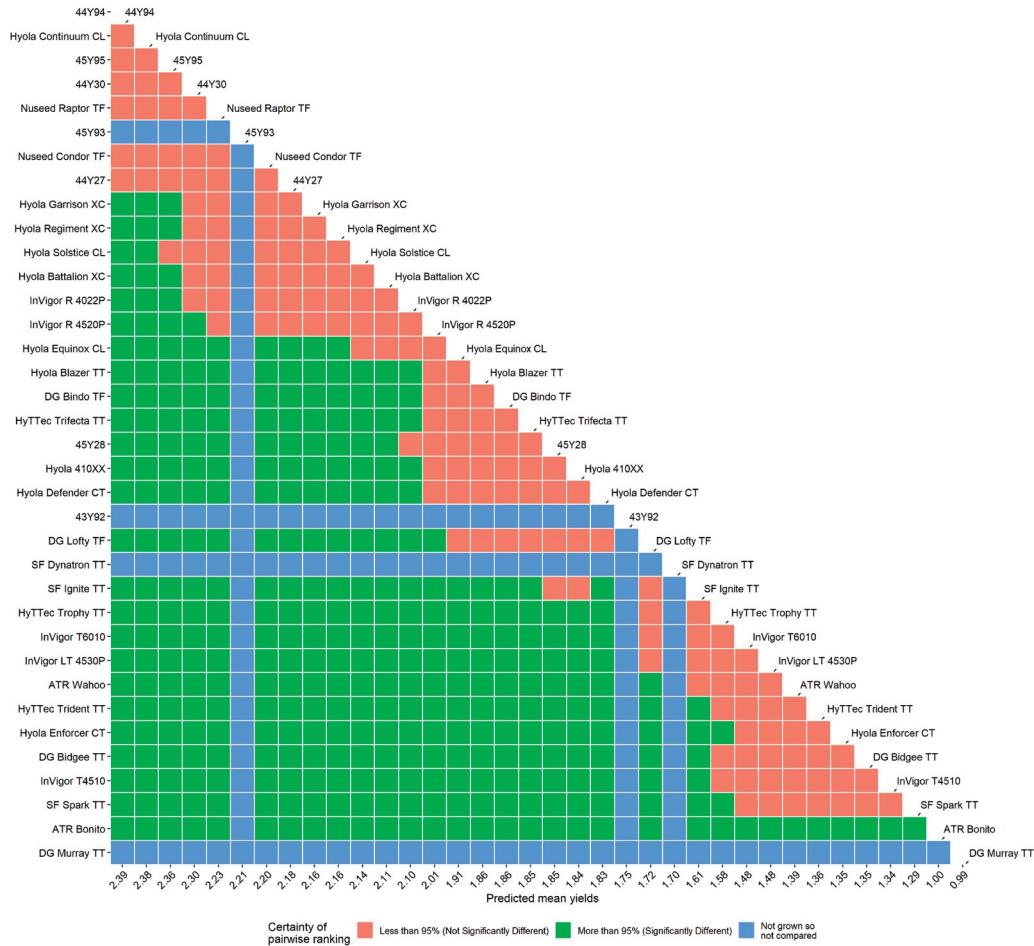
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INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE



Highlighting high yield performance 2022 innovation systems - Gnowangerup WA



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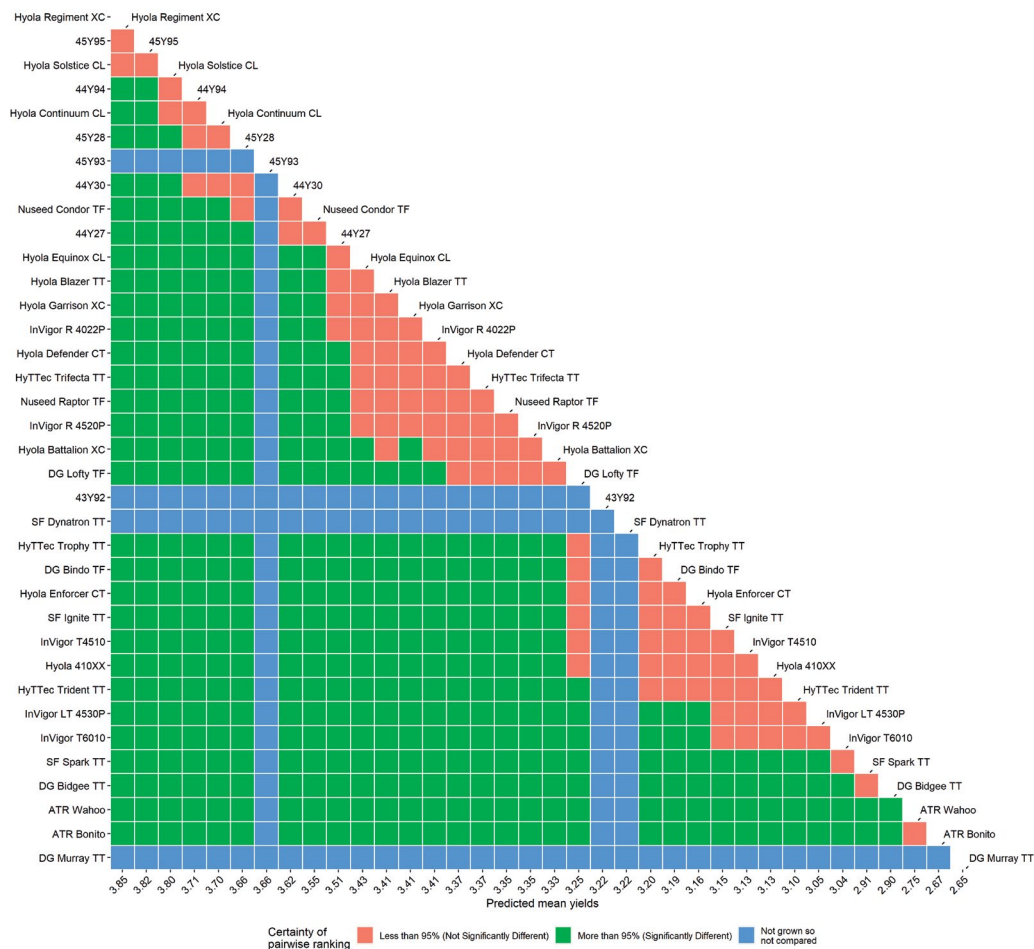
*The research study used a factor analytic linear mixed model to calculate predicted yields for blue squares. The factor analytic linear mixed model breaks down complex data sets into hidden variables called "factors" that reflect characteristics of the growing environments. This method reduces uncertainty and makes better predictions by borrowing information from a population model - Dr Alison Smith, Principal Research Fellow, University of Wollongong.

INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE



PACIFIC SEEDS HYOLA TRIAL RESULTS

Highlighting high yield performance 2022 innovation systems - Gibson WA



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INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE



Highlighting high yield performance 2022 innovation systems -Mingenew WA



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INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE



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