## Clearfield® technology 2023-24 Eastern Australia Product guide











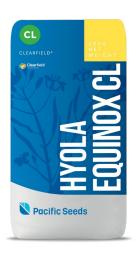




#### 2023-24 Product features





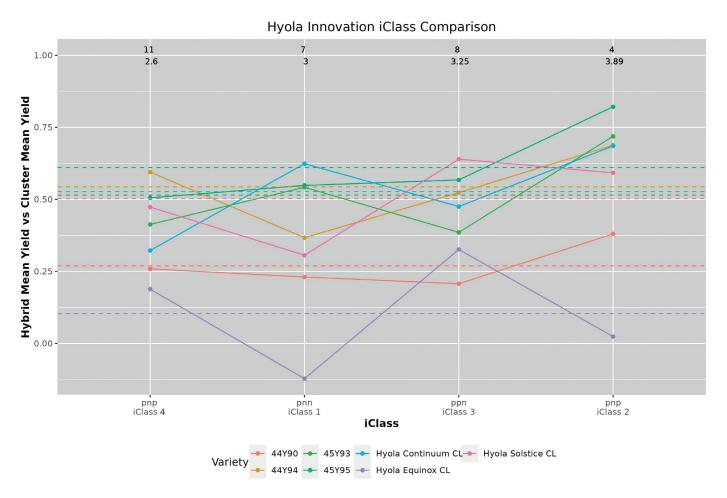


AGRONOMIC ATTRIBUTES	HYOLA® CONTINUUM CL	HYOLA SOLSTICE CL	HYOLA EQUINOX CL
Yield adaptability	1.5 - 5.5 t/ha	1.0 - 3.0 t/ha	1.0 - 2.5 t/ha
Blackleg rating	R (P)	R	R
Blackleg groups	ADF	ADFH	ADF
Oil potential	High	High - Very high	High
Herbicide tolerance	CL	CL	CL
Maturity	Early - Mid	Early - Mid	Early - 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



#### 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".



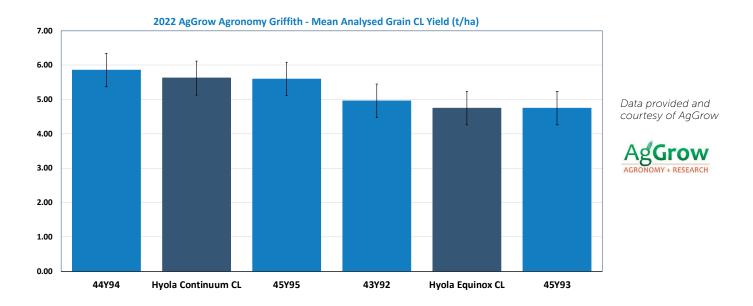


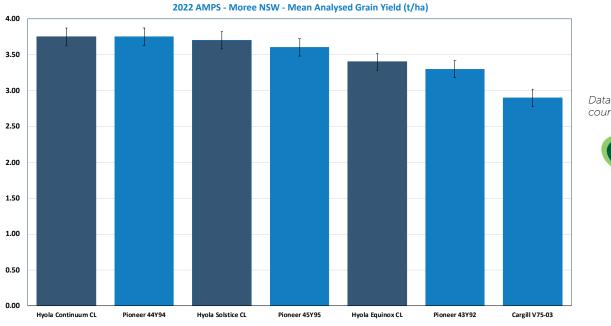
**INDUSTRY LEADING ANALYSED MET YIELD PERFORMANCE** 



#### INDEPENDENT INDUSTRY TRIAL RESULTS

#### Highlighting high yield performance





Data provided and courtesy of AMPS



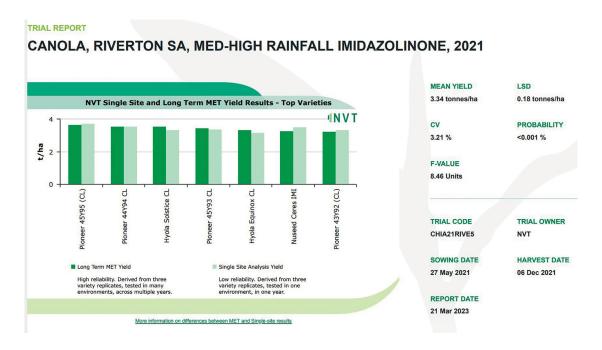
HIGHLY COMPETITIVE SINGLE TRIAL SITE ANALYSED YIELD PERFORMANCE



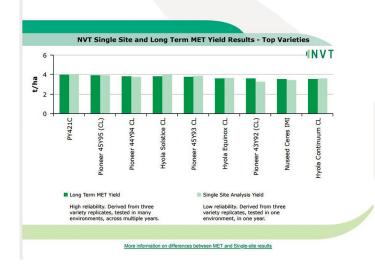














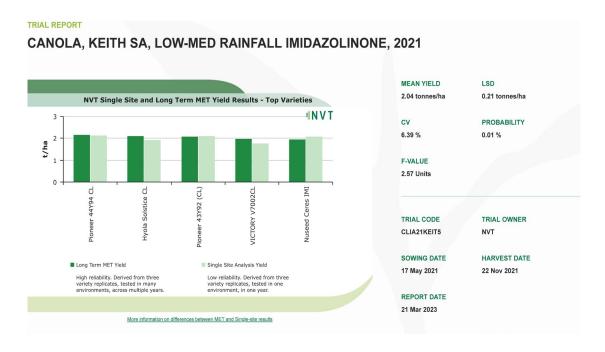
- 1. COMPETITIVE TRIAL YIELD PERFORMANCE
- 2. ADDED ROTATIONAL ADVANTAGE OF DIFFERENT BLACKLEG RESISTANCE GENES
- 3. HIGHER OIL % FOR INCREASED BONUSES





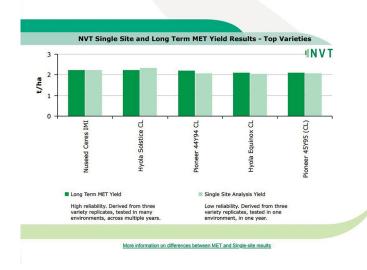
## NATIONAL VARIETY TRIALS

## Hyola Solstice Cl Yield performance



#### TRIAL REPORT

#### CANOLA, YEELANNA SA, MED-HIGH RAINFALL IMIDAZOLINONE, 2021



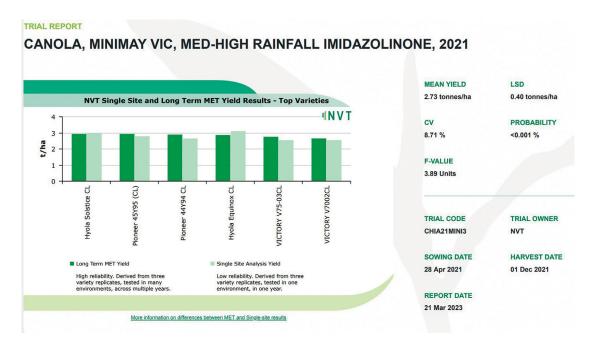


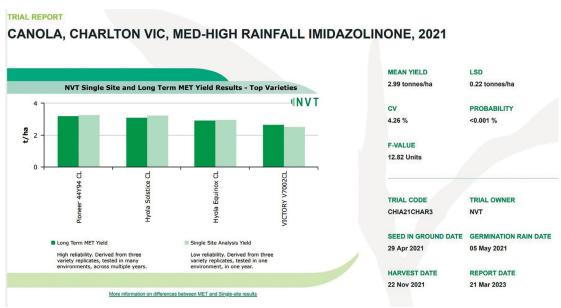
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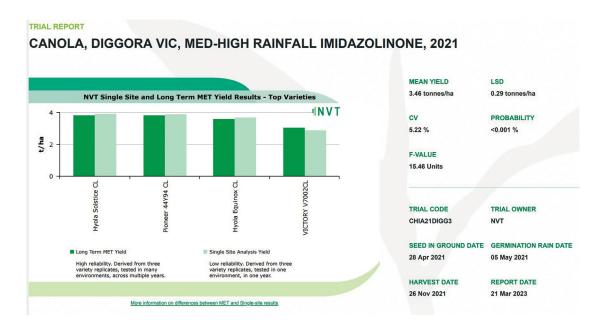


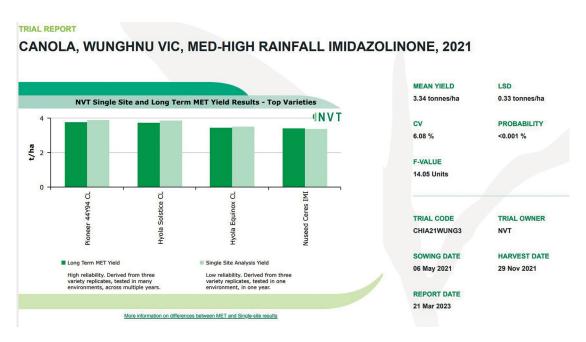
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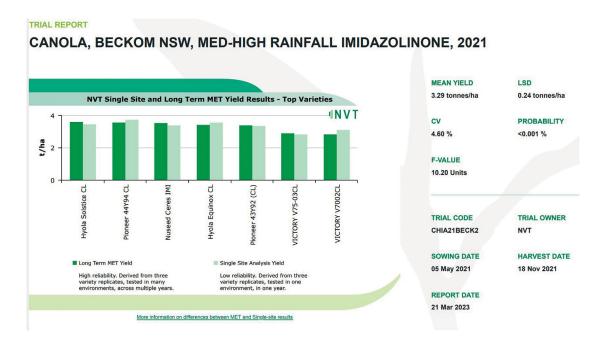


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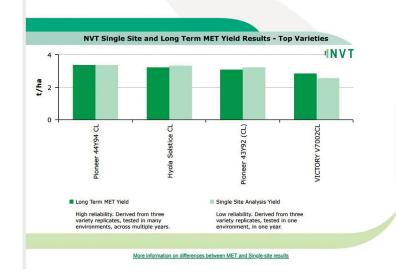












MEAN YIELD
3.05 tonnes/ha

CV
PROBABILITY
2.86 %

F-VALUE
47.38 Units

TRIAL CODE
CLIA21CONA2

NVT

SOWING DATE
07 May 2021

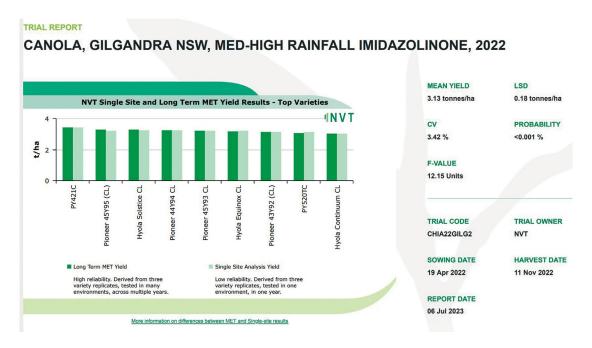
REPORT DATE
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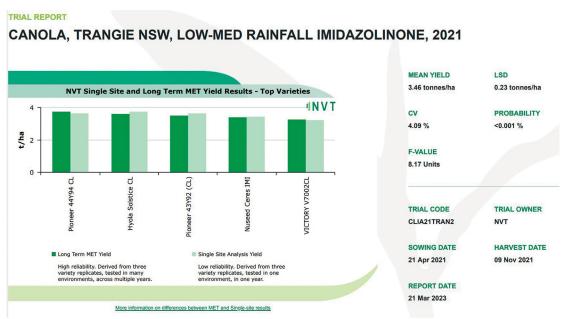
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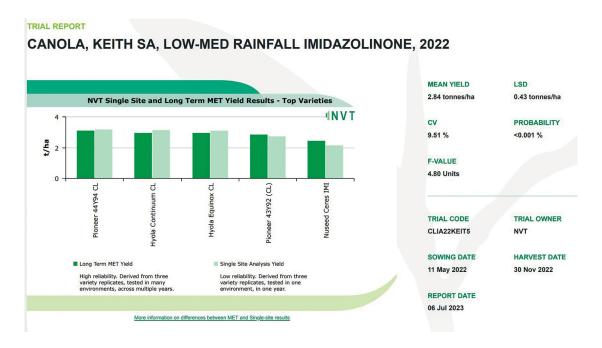


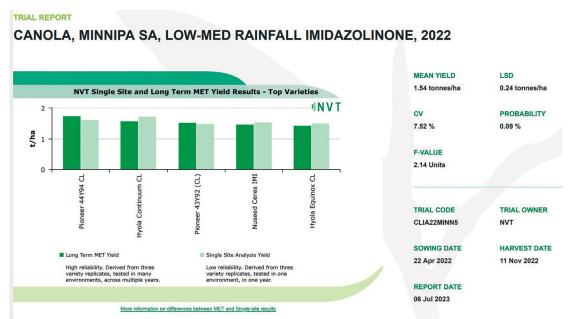
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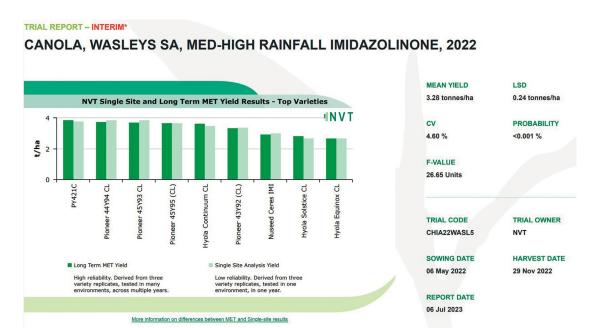


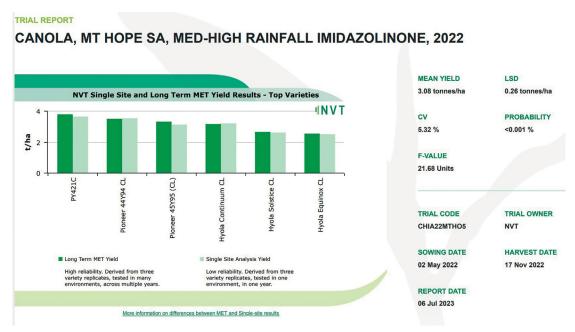
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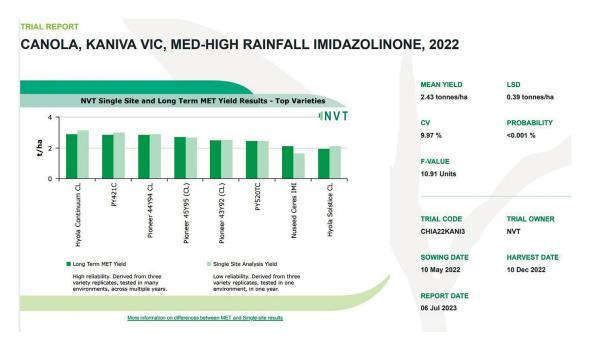


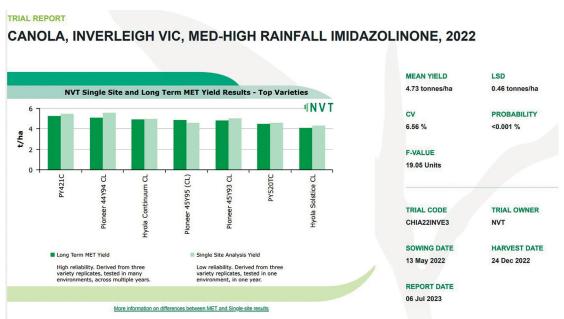
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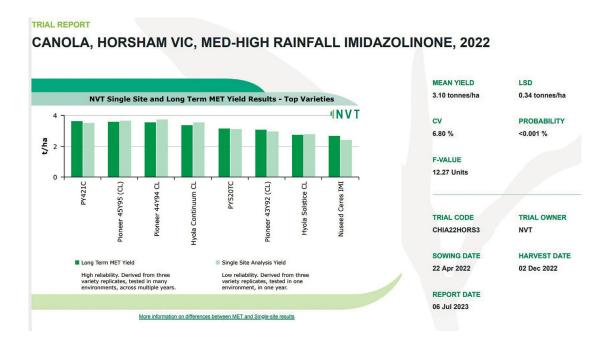


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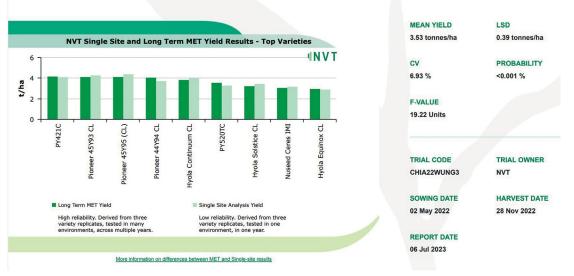








#### TRIAL REPORT CANOLA, WUNGHNU VIC, MED-HIGH RAINFALL IMIDAZOLINONE, 2022

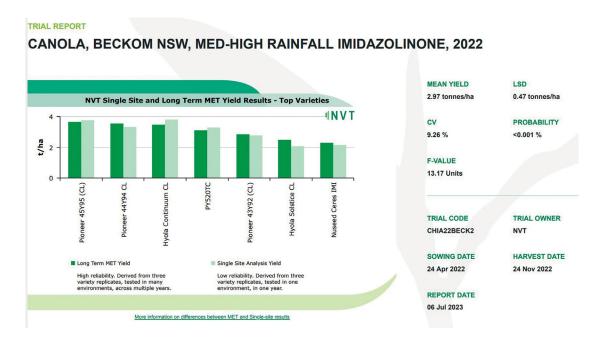


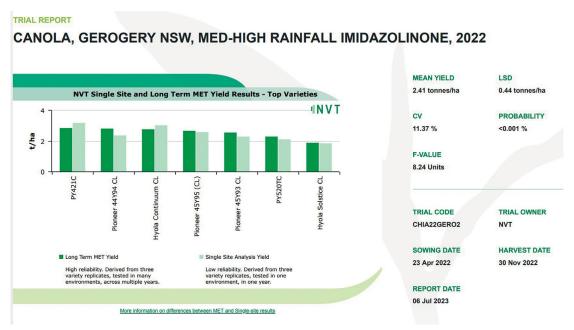
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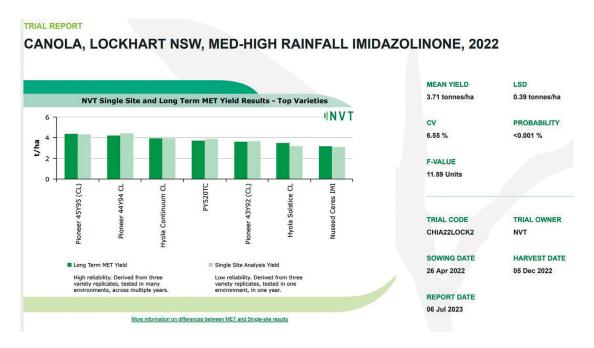


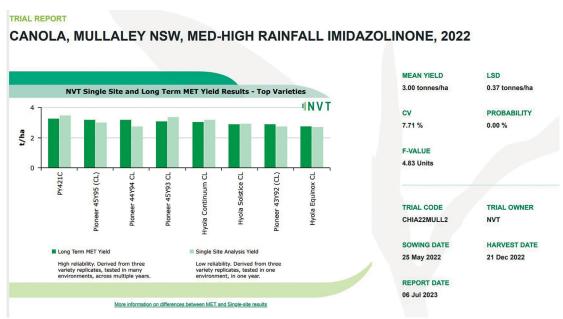
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# Early CL trials yield performance NSW, VIC & SA (yield groups)



GRDC NVT CL TRIALS NSW, VIC, SA	Group Mean Yield	2 1.62 t/ha	2.5 2.13 t/ha	3 2.67 t/ha	3.5 3.15 t/ha	4 3.75 t/ha	4.5 4.47 t/ha
CANOLA VARIETY	Trials	7	4	8	4	3	1
Pioneer 44Y94 CL	15	106	110	113	106	108	111
Hyola Continuum CL	10	97	100	103		100	98
Hyola Solstice CL	4		100		101	99	
Hyola Equinox CL	10	91	94	92		97	86
Nuseed Ceres IMI	11	92	96	92		96	100
VICTORY V7002CL	30	96	88	86	91	91	
PY421C	2	116		114			
Pioneer 45Y95 (CL)	7	109		109			
Pioneer 45Y93 CL	2	100					

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 CL trials yield performance NSW, VIC & SA (yield groups)



GRDC NVT CL TRIALS NSW, VIC, SA CANOLA VARIETY	Group Mean Yield Trials	2 1.71 t/ha 9	2.5 2.19 t/ha 10	3 2.80 t/ha 25	3.5 3.24 t/ha 25	4 3.66 t/ha 11	4.5 4.22 t/ha 5	5 4.63 t/ha 1
PY421C	19	124	121	117	116	116	117	
Pioneer 45Y95 (CL)	73	113	114	114	114	114	116	119
Pioneer 44Y94 CL	91	112	114	112	112	113	114	121
Pioneer 45Y93 CL	78	103	110	112	110	111	114	117
Hyola Continuum CL	24	96	104	103	105	106	109	
Hyola Solstice CL	41	119	106	104	106	103	101	
Hyola Equinox CL	66	112	99	97	99	96	94	85
VICTORY V75-03CL	72	88	90	91	92	92	92	92
Pioneer 43Y92 (CL)	47	105	104	102	102	102		
Nuseed Ceres IMI	21	110	101	97	99	97		

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.



#### NSW, VIC & SA NVT MET RESULTS



GRDC NVT MID CL TRIALS NSW LONG TERM	Group Mean Yield	2 1.72 t/ha	2.5 2.16 t/ha	3 2.84 t/ha	3.5 3.24 t/ha	4 3.68 t/ha	4.5 4.23 t/ha
CANOLA VARIETY	Trials	5	2	12	10	4	1
PY421C	7	126	130	117	116		
Pioneer 44Y94 CL	34	114	120	112	111	113	114
Pioneer 45Y95 (CL)	26	115	119	115	114	116	116
Pioneer 45Y93 CL	28	105	112	114	109	111	110
Hyola Continuum CL	9	97	109	103	102	104	
Hyola Solstice CL	13	119	107	102	110	109	
Pioneer 43Y92 (CL)	25	106	107	101	101	102	
VICTORY V75-03CL	33	87	86	91	92	91	92
Hyola Equinox CL	24			95	103	101	101
Nuseed Ceres IMI	4			95	101	100	

GRDC NVT MID CL TRIALS VIC LONG TERM	Group Mean Yield	2.5 2.16 t/ha	3 2.77 t/ha	3.5 3.27 t/ha	4 3.69 t/ha	4.5 4.21 t/ha	5 4.63 t/ha
CANOLA VARIETY	Trials	4	9	10	4	4	1
PY421C	7	117	116	117		116	
Pioneer 45Y95 (CL)	26	112	115	114	112	116	119
Pioneer 44Y94 CL	33	111	112	113	113	114	121
Pioneer 45Y93 CL	28	108	112	111	113	115	117
Hyola Continuum CL	9	102	102	106		109	
Hyola Solstice CL	15	107	105	104		100	
Pioneer 43Y92 (CL)	10	103	101	102			
Nuseed Ceres IMI	9	101	97	98			
Hyola Equinox CL	23	101	99	97	90	93	85
VICTORY V75-03CL	25	92	91	92	92	92	92

GRDC NVT MID CL TRIALS SA LONG TERM CANOLA VARIETY	Group Mean Yield Trials	1.5 1.31 t/ha 3	2 1.71 t/ha 5	2.5 2.23 t/ha 5	3 2.80 t/ha 4	3.5 3.21 t/ha 5	4 3.61 t/ha 3
PY421C	5			122	119	117	113
Pioneer 45Y95 (CL)	21	112	112	115	111	114	113
Pioneer 44Y94 CL	24	115	110	115	112	113	111
Pioneer 45Y93 CL	22	102	102	111	107	111	109
Hyola Continuum CL	6			105	102	106	105
Hyola Solstice CL	13		118	104	105	102	106
Pioneer 43Y92 (CL)	12	107		104	104	102	101
Nuseed Ceres IMI	8		110		102	97	99
Hyola Equinox CL	19	108	112	98	100	96	99
VICTORY V75-03CL	14	89	89	89	91	92	94

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.



#### **Contact Us**

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



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