



HYOLA REGIMENT XC

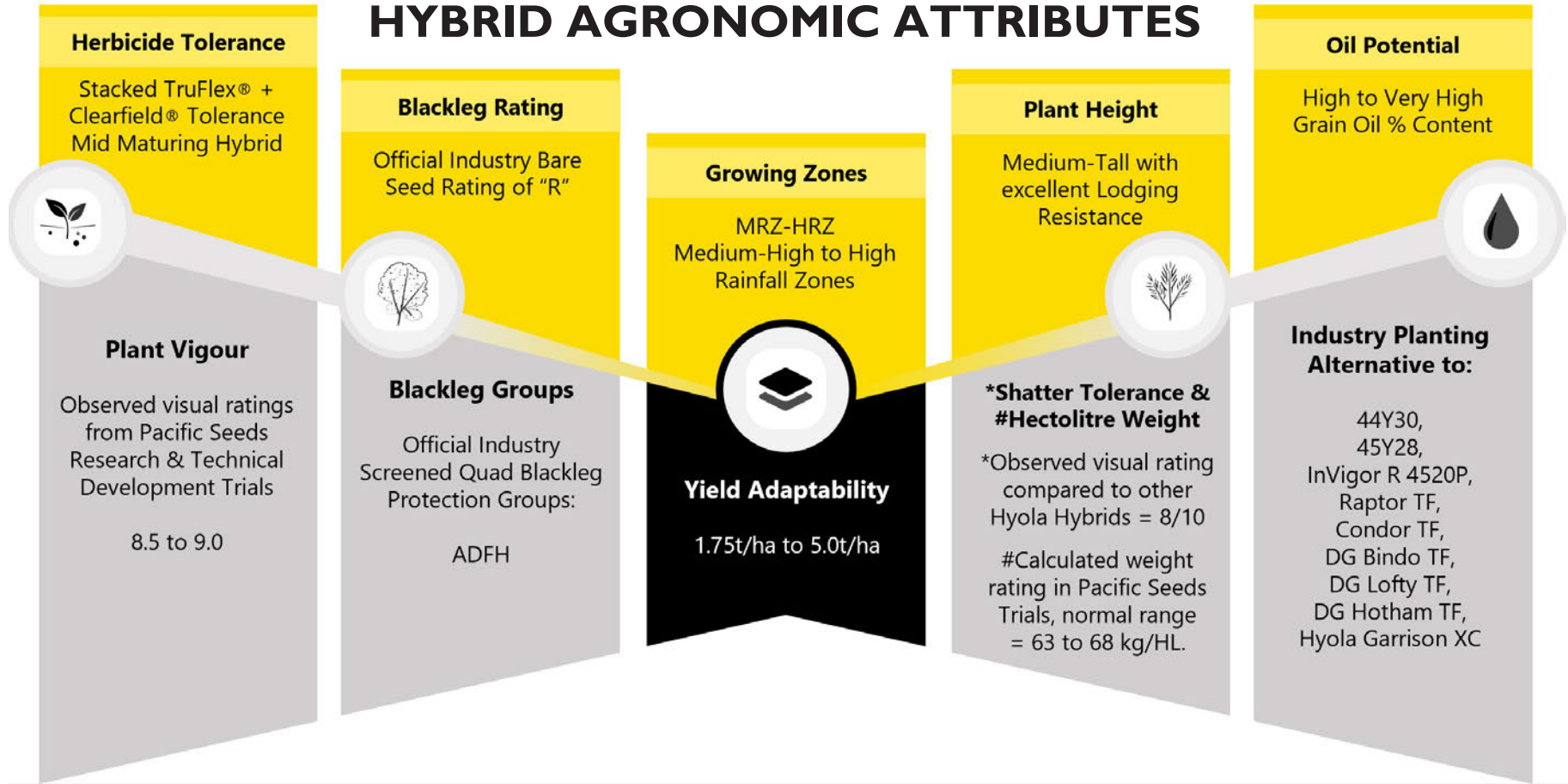
TruFlex® + Clearfield® Stacked Technology Protecting Growers' Investment & Return



NEW

CANOLA

HYBRID AGRONOMIC ATTRIBUTES





HYOLA REGIMENT XC



Delivering Flexible Solution Driven Profits to Canola Growers

CANOLA

XC Technology

IMI Soil Carryover Crop Protection benefits

Over Single Trait TruFlex Technology**.
Increased Grain Yield 300kg/ha - 2590kg/ha
Increased Gross Returns \$129/ha - \$1553/ha

Delivering Competitive Hybrid Grain Yields

Compared to TruFlex or Roundup Ready Technology.
Often, no significant difference with some popular TruFlex or Roundup Ready hybrids in GRDC NVT trial sites

Delivering Higher Yields and Gross Returns

Over Single Trait OP TT Canola***.
Increased Grain Yield 150kg/ha - 1060kg/ha
Increased Gross Returns \$90/ha - \$636/ha

Stacked

Benefits

Increased Ryegrass Control Efficacy

Over Single Trait OP TT Technology***.
Increased Ryegrass Weed Control – up to 23%
Increased Ryegrass Spikelet Control – up to 92%

IWM Resistance Management

More flexible rotations
Increase growers pre-em efficacy through a mix and rotate strategy

IMI Boom Spray Contamination Benefits

Over Single Trait TruFlex Technology*.
Increased Grain Yield 140kg/ha - 350kg/ha
Increased Gross Returns \$76/ha - \$198/ha

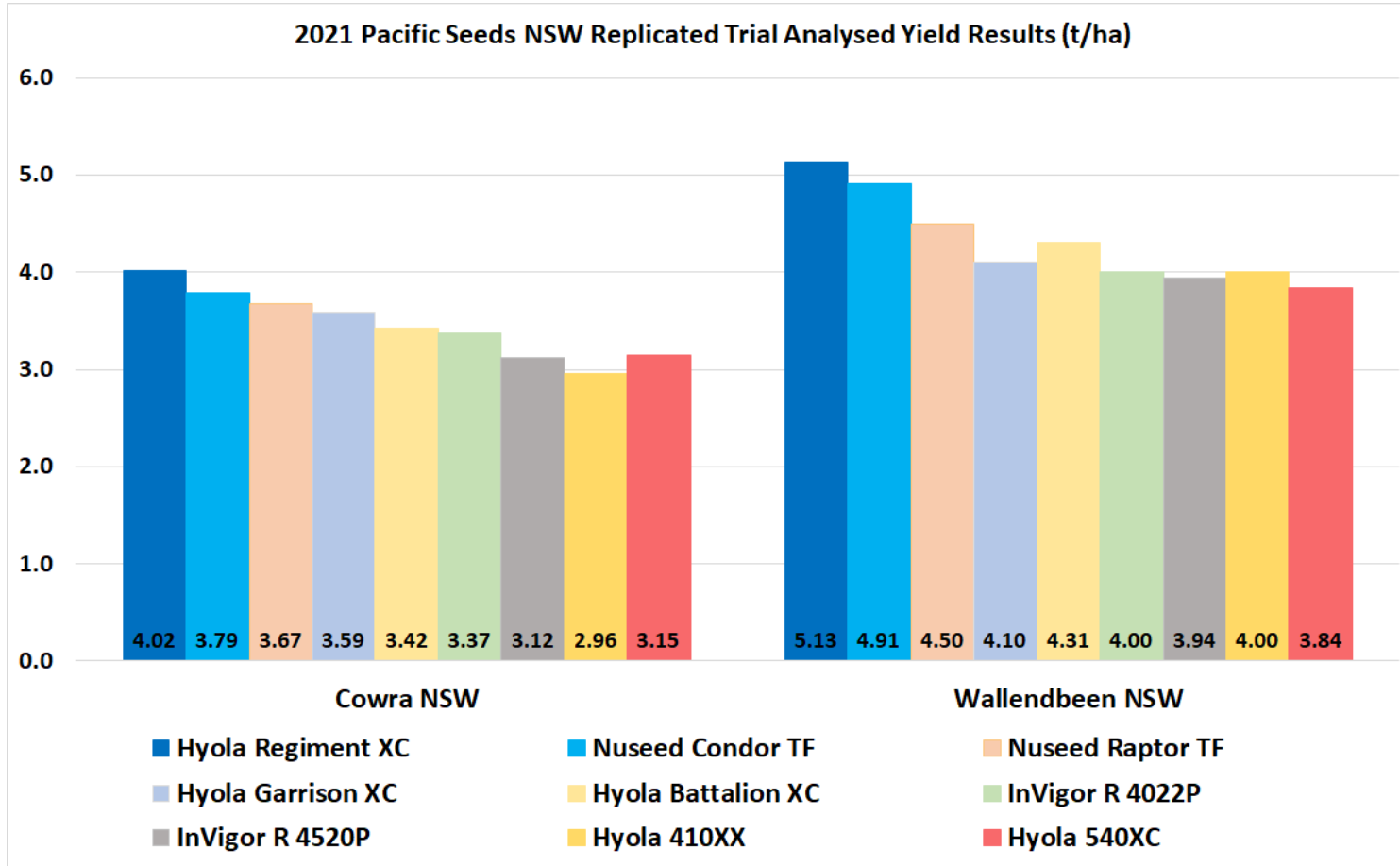


HYOLA REGIMENT XC



DELIVERING NEW BENCHMARK YIELD LEVELS TO NSW GROWERS

CANOLA



Wallendbeen NSW Analysis Summary	
CV:	6.875
LSD:	0.343
Mean:	4.009

Cowra NSW Analysis Summary	
CV:	4.970
LSD:	0.269
Mean:	3.356



HYOLA REGIMENT XC



**Hyola® Regiment XC - 2021 Cowra NSW
Trial Analysed Grain Yield of 4.02t/ha**



**Hyola® Regiment XC - 2021 Wallendbeen
NSW Trial Analysed Grain Yield of 5.13t/ha**



HYOLA REGIMENT XC



NSW LONG TERM 2017 - 2021 GRDC NVT MRZ - HRZ GLY RESULTS

Grain Yield Color Key:

		High to very High Yielding Performance = Consistent Light Green to Darker Green Colors across Locations and Years
		Moderate to High yielding Performance = Consistent Yellow to Light Green Colors across Locations and Years
		Lower to Moderate Yielding Performance = Consistent Dark Brown to Lighter Brown Colors across Locations and Years

Long Term Results Mid GLY 2017-2021 Variety	Year Mean Yield # Trials	2017 1.34 t/ha 6	2018 1.07 t/ha 5	2019 0.98 t/ha 5	2020 2.99 t/ha 7	2021 3.05 t/ha 7
Hyola Regiment XC	7					118
Nuseed Condor TF	17			128	118	118
InVigor R 4520P	19			137	120	116
Nuseed Raptor TF	18	119		120	113	115
Pioneer 45Y28 RR	16	112	113		116	114
Pioneer 44Y30 RR	10				116	112
Pioneer 44Y27 (RR)	22	111	118	121	108	111
InVigor R 4022P	19			128	112	109
Hyola Garrison XC	19			117	108	109
Nuseed Emu TF	7				99	107
Hyola Battalion XC	6				105	107
InVigor R 5520P	28	106	104	109	109	104
DG Bindo TF	2					104
DG Lofty TF	2					99
Pioneer 43Y29 RR	14	106		116	115	
Nuseed GT-53	22	107	111	108	109	
ADV-Mastermind	5			121		
Hyola 540XC	13	93		86	97	

Data Source: 2022 Grains Research and Development Corporation – Please refer to the NVT website for further information.

Long Term Mid GLY NVT 2017 - 2021 Trial Results: N/E, N/W, S/E & S/W NSW Growing Environments

The Multi Environment Trial (MET) analysis produces the most accurate and reliable indicator of future variety performance.

MET analysis results are presented at an individual trial level but combine the robustness of a much larger dataset than the SSA.

The MET analysis is conducted on a five-year dataset that includes trials from a wide range of seasonal and environmental conditions.

The analysis can be conducted on more than 660 plots per variety (as opposed to 3 plots/variety in the SSA) to gain an accurate and reliable result.

This enables growers to select consistently high performing varieties.

The MET analysis cannot be conducted until all trials in a trial series have been harvested. The MET results are published 30 days following harvest of the final trial.





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NSW LONG TERM 2017 - 2021 GRDC NVT LRZ - MRZ GLY RESULTS

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Long Term Results Early GLY 2017-2021 Variety	Year Mean Yield # Trials	2017 0.44 t/ha 2	2018 0.56 t/ha 1	2019 1.36 t/ha 1	2020 2.71 t/ha 3	2021 3.13 t/ha 3
Nuseed Raptor TF	6				110	108
Hyola Regiment XC	3					107
InVigor R 4520P	7			97	108	105
Hyola Garrison XC	4			97	108	
InVigor R 4022P	7			99	104	103
Pioneer 44Y27 (RR)	9	121		105	101	104
Hyola 410XX	7			98	101	98
Hyola Battalion XC	6				97	98
InVigor R 3520	10	110	97	94	92	96
Nuseed Emu TF	6				88	99
Pioneer 44Y30 RR	3					106
DG 408RR	4	113	110	104		
DG Lofty TF	3					96

Long Term Results Early GLY 2017-2021 Variety	Yield Group Mean Yield # Trials	0.5 0.14 t/ha 1	1 0.66 t/ha 2	1.5 1.36 t/ha 1	2.5 2.16 t/ha 1	3 2.92 t/ha 3	3.5 3.20 t/ha 1	4 3.57 t/ha 1
Nuseed Raptor TF	6				121	110	100	107
Hyola Regiment XC	3					109		106
Hyola Garrison XC	4			97	105	108	100	
Pioneer 44Y30 RR	3					106		107
InVigor R 4520P	7			97	126	104	100	108
Hyola 410XX	7			98	91	102	100	95
InVigor R 4022P	7			99	113	101	100	104
Pioneer 44Y27 (RR)	9	119	118	105	107	100	102	105
Hyola Battalion XC	6				98	98	97	98
DG Lofty TF	3					93		97
InVigor R 3520	10	105	105	94	103	91	94	98
Nuseed Emu TF	6				92	89	100	101
DG 408RR	4	111	112	104				

Data Source: 2022 Grains Research and Development Corporation – Please refer to the NVT website for further information.
Long Term Early GLY NVT 2017 - 2021 Trial Results: N/W, & S/W NSW Growing Environments
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 The analysis can be conducted on more than 660 plots per variety (as opposed to 3 plots/variety in the SSA) to gain an accurate and reliable result.
 This enables growers to select consistently high performing varieties.
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HYOLA REGIMENT XC



CANOLA

S/E NSW SINGLE SITE GRDC NVT GLY ANALYSED YIELD RESULTS

Grain Yield Color Key:

	High to very High Yielding Performance = Consistent Light Green to Darker Green Colors across Locations and Years
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State Region Locality Crop Type Trial ID Variety Name	NSW S/E Cootamundra Canola CHGA19COOT2 tonnes/ha	NSW S/E Cootamundra Canola CHGA20COOT2 tonnes/ha	NSW S/E Cootamundra Canola CHGA21COOT2 tonnes/ha	NSW S/E Wagga Wagga Canola CHGA20WARI2 tonnes/ha	NSW S/E Wagga Wagga Canola CHGA21WARI2 tonnes/ha	NSW S/E Grenfell Canola CHGA20GREN2 tonnes/ha	NSW S/E Grenfell Canola CHGA21GREN2 tonnes/ha
Hyola Regiment CL	-	-	4.12	-	4.43	-	2.87
Hyola 410XX	1.44	3.84	-	2.83	-	2.94	-
Hyola 540XC	1.30	3.29	-	2.95	-	2.52	-
Hyola Garrison XC	1.51	4.04	3.48	3.24	4.05	3.04	2.66
Hyola Battalion XC	-	-	-	3.18	-	-	-
InVigor R 4022P	1.58	3.76	3.44	3.07	4.29	3.26	3.07
InVigor R 4520P	1.74	4.46	3.90	3.43	4.50	3.52	3.32
InVigor R 5520P	1.38	3.93	3.44	3.17	4.01	2.99	2.90
Nuseed Condor TF	1.71	4.25	3.92	3.24	4.72	3.66	3.31
Nuseed Emu TF	-	-	-	2.54	-	3.28	-
Nuseed GT-53	1.46	4.20	-	3.20	-	3.47	-
Nuseed Raptor TF	1.77	-	4.21	3.24	4.54	3.55	3.02
Pioneer 43Y29 RR	-	3.84	-	3.24	-	3.52	-
Pioneer 44Y27 (RR)	1.49	-	-	2.66	-	3.45	-
Pioneer 44Y30 RR	-	4.07	3.72	3.09	4.10	-	3.10
Pioneer 45Y28 RR	-	4.30	3.64	3.42	4.29	-	3.19
VICTORY V5003RR	1.07	3.47	2.71	2.84	3.10	2.81	2.52
VICTORY V55-04TF	-	-	3.15	-	3.90	-	2.84
Site Mean (t/ha)	1.51	3.86	3.61	3.02	4.23	3.21	2.96
CV (%)	4.95	3.80	7.28	5.24	5.20	6.15	5.78
Probability	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.12	0.24	0.42	0.27	0.35	0.32	0.28
AnalysisDate	28-Nov-2019	24-Nov-2020	08-Dec-2021	25-Nov-2020	08-Dec-2021	17-Nov-2020	08-Dec-2021
Sowing Date	29-Apr-2019	17-Apr-2020	23-Apr-2021	17-Apr-2020	21-Apr-2021	21-Apr-2020	20-Apr-2021

Single Site Trial Results: 2022 Grains Research and Development Corporation – 2019, 2020 & 2021 National Variety GLY Trials. Please refer to the NVT website for further information.
 The results of the Single Site Analyses (SSA) are available quickly after harvest (about 14 days) to provide growers a descriptive representation of what happened in the environmental conditions ONLY at that trial.
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 The weakness of the SSA is that it has a low reliability to be able to repeat its results. For example, if the environmental conditions changed so would the variety rankings.
 Analysed trial yields in tonnes/ha and expressed as % of Trial Mean Yield. Always use LSD values to compare selected varieties in Single sites to determine if any significant differences between them





HYOLA REGIMENT XC



S/E NSW SINGLE SITE GRDC NVT GLY ANALYSED YIELD RESULTS

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State Region Locality Crop Type Trial ID Variety Name	NSW S/E Gerogery Canola CHGA19GERO2 tonnes/ha	NSW S/E Gerogery Canola CHGA20GERO2 tonnes/ha	NSW S/E Gerogery Canola CHGA21GERO2 tonnes/ha	NSW S/E Temora Canola CHGA20TEMO2 tonnes/ha	NSW S/E Temora Canola CHGA21TEMO2 tonnes/ha
Hyola Regiment CL	-	-	3.89	-	3.40
Hyola 410XX	2.00	2.39	-	3.35	-
Hyola 540XC	1.43	2.47	-	3.00	-
Hyola Garrison XC	1.94	2.35	3.65	3.43	3.23
Hyola Battalion XC	-	-	-	3.53	-
InVigor R 4022P	2.22	3.73	3.41	3.28	2.93
InVigor R 4520P	2.38	3.79	3.41	3.24	3.15
InVigor R 5520P	2.01	3.65	3.33	3.28	2.96
Nuseed Condor TF	2.36	3.00	3.68	3.95	3.40
Nuseed Emu TF	-	-	-	2.48	-
Nuseed GT-53	1.79	2.54	-	3.26	-
Nuseed Raptor TF	1.96	-	3.71	3.91	3.08
Pioneer 43Y29 RR	-	3.40	-	3.29	-
Pioneer 44Y27 (RR)	2.12	-	-	2.78	-
Pioneer 44Y30 RR	-	3.59	3.58	-	3.11
Pioneer 45Y28 RR	-	3.16	3.35	-	3.29
VICTORY V5003RR	1.45	2.13	2.81	3.05	2.93
VICTORY V55-04TF	-	-	3.00	-	3.40
Site Mean (t/ha)	1.97	3.14	3.43	3.20	3.10
CV (%)	5.26	5.94	7.09	8.31	4.05
Probability	<0.001	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.17	0.30	0.39	0.43	0.21
AnalysisDate	29-Nov-2019	04-Dec-2020	08-Dec-2021	20-Nov-2020	08-Dec-2021
Sowing Date	04-May-2019	27-Apr-2020	30-Apr-2021	21-Apr-2020	07-May-2021

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HYOLA REGIMENT XC



S/W NSW SINGLE SITE GRDC NVT GLY ANALYSED YIELD RESULTS

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State	NSW	NSW	NSW	NSW	NSW	NSW
Region	s/w	s/w	s/w	s/w	s/w	s/w
Locality	Oaklands	Oaklands	Beckom	Beckom	Lockhart	Lockhart
Crop Type	Canola	Canola	Canola	Canola	Canola	Canola
Trial ID	CLGA20OAKL2	CLGA21OAKL2	CHGA20BECK2	CHGA21BECK2	CHGA20LOCK2	CHGA21LOCK2
Variety Name	tonnes/ha	tonnes/ha	tonnes/ha	tonnes/ha	tonnes/ha	tonnes/ha
Hyola Regiment CL	-	3.70	-	3.47	-	3.11
DG Bindo TF	-	-	-	3.05	-	3.00
DG Lofty TF	-	3.39	-	3.22	-	2.51
Hyola 410XX	3.08	3.38	2.55	3.14	3.53	2.47
Hyola 540XC	-	-	2.59	-	3.37	-
Hyola Garrison XC	2.88	-	2.72	3.19	3.51	2.80
Hyola Battalion XC	2.96	3.40	2.85	3.39	3.48	3.00
InVigor R 3520	2.68	3.13	-	-	-	-
InVigor R 4022P	3.18	3.68	3.02	3.39	3.38	2.57
InVigor R 4520P	3.38	4.00	2.89	3.50	3.70	2.60
InVigor R 5520P	-	-	2.63	-	3.30	-
Nuseed Condor TF	-	-	2.95	-	3.50	-
Nuseed Emu TF	2.99	3.68	2.44	3.38	2.86	2.39
Nuseed GT-53	-	-	2.49	-	3.16	-
Nuseed Raptor TF	3.30	3.74	2.93	3.30	3.59	2.90
Pioneer 43Y29 RR	3.11	-	2.87	-	3.88	-
Pioneer 44Y27 (RR)	3.42	3.96	2.58	3.43	3.54	2.05
Pioneer 44Y30 RR	-	3.68	-	3.45	-	2.72
VICTORY V5003RR	-	-	2.48	2.80	3.04	3.16
VICTORY V55-04TF	-	-	-	2.93	-	3.12
Site Mean (t/ha)	3.18	3.67	2.75	3.27	3.43	2.72
CV (%)	3.48	4.29	6.91	4.55	4.74	5.85
Probability	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.184277049	0.256962976	0.31	0.24	0.26	0.27
AnalysisDate	20-Nov-2020	30-Nov-2021	13-Nov-2020	25-Nov-2021	17-Nov-2020	30-Nov-2021
Sowing Date	22-Apr-2020	27-Apr-2021	24-Apr-2020	05-May-2021	23-Apr-2020	12-May-2021

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State	NSW	NSW	NSW	NSW
Region	N/W	N/W	N/W	S/W
Locality	Parkes	Trangie	Trangie	Condobolin
Crop Type	Canola	Canola	Canola	Canola
Trial ID	CHGA20PARK2	CLGA20TRAN2	CLGA21TRAN2	CLGA20CONA2
Variety Name	tonnes/ha	tonnes/ha	tonnes/ha	tonnes/ha
Hyola Regiment CL	-	-	3.21	-
DG Bindo TF	-	-	-	-
DG Lofty TF	-	-	2.58	-
Hyola 410XX	2.41	1.91	2.69	3.26
Hyola 540XC	2.37	-	-	-
Hyola Garrison XC	2.59	2.02	-	3.33
Hyola Battalion XC	2.33	2.34	2.71	3.09
InVigor R 3520	-	1.98	2.69	1.91
InVigor R 4022P	2.83	2.69	2.91	3.08
InVigor R 4520P	3.15	2.71	3.19	3.21
InVigor R 5520P	-	-	-	-
Nuseed Condor TF	2.96	-	-	-
Nuseed Emu TF	2.22	2.12	3.08	2.04
Nuseed GT-53	2.94	-	-	-
Nuseed Raptor TF	2.71	2.53	3.04	3.41
Pioneer 43Y29 RR	2.92	2.37	-	3.38
Pioneer 44Y27 (RR)	2.89	2.34	3.00	2.97
Pioneer 44Y30 RR	-	-	2.83	-
VICTORY V5003RR	-	-	-	-
VICTORY V55-04TF	-	-	-	-
Site Mean (t/ha)	2.76	2.25	2.94	2.93
CV (%)	5.14	8.57	4.75	7.72
Probability	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.23	0.31	0.23	0.38
AnalysisDate	17-Nov-2020	13-Nov-2020	19-Nov-2021	05-Nov-2020
Sowing Date	17-Apr-2020	21-Apr-2020	21-Apr-2021	17-Apr-2020



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