TECHNOTE

Spring 2022
Autumn 2023

CANOLA

HYOLA REGIMENT XC

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

NEW

HYBRID AGRONOMIC ATTRIBUTES

Herbicide Tolerance

Stacked TruFlex® + Clearfield® Tolerance Mid Maturing Hybrid

Plant Vigour

Observed visual ratings from Pacific Seeds Research & Technical Development Trials

8.5 to 9.0

Blackleg Rating

Official Industry Bare Seed Rating of "R"

Blackleg Groups

Official Industry Screened Quad Blackleg Protection Groups:

ADFH

Growing Zones

MRZ-HRZ
Medium-High to High Rainfall Zones

Yield Adaptability

1.75t/ha to 5.0t/ha

Plant Height

Medium-Tall with excellent Lodging Resistance

***Shatter Tolerance & #Hectolitre Weight**

*Observed visual rating compared to other Hyola Hybrids = 8/10

#Calculated weight rating in Pacific Seeds Trials, normal range = 63 to 68 kg/HL.

Oil Potential

High to Very High Grain Oil % Content

Industry Planting Alternative to:

44Y30,
45Y28,
InVigor R 4520P,
Raptor TF,
Condor TF,
DG Bindo TF,
DG Lofty TF,
DG Hotham TF,
Hyola Garrison XC

Pacific Seeds
Growing possibilities

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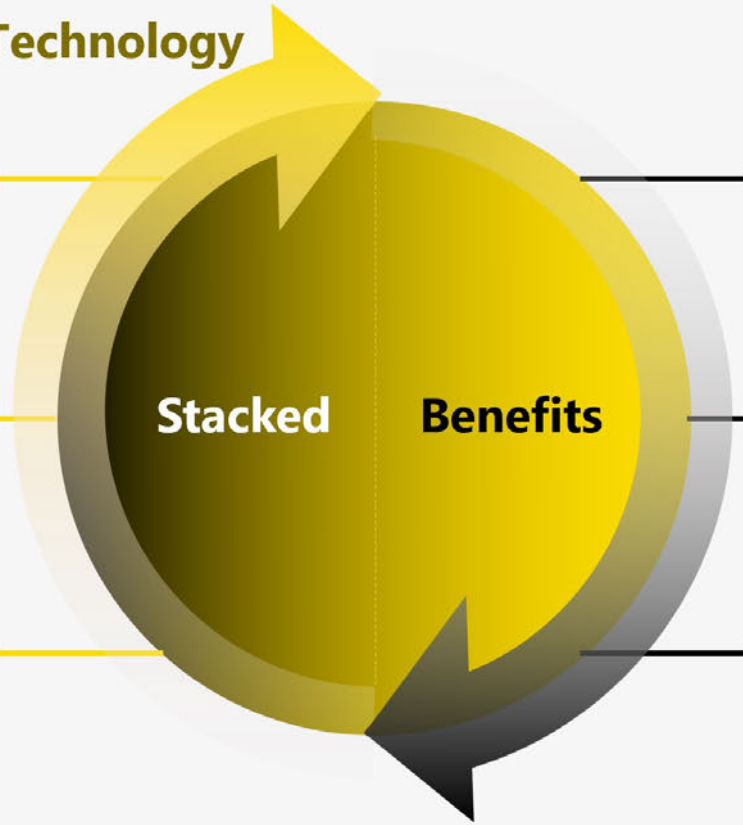
HYOLA REGIMENT XC

Delivering Flexible Solution Driven Profits to Canola Growers

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

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

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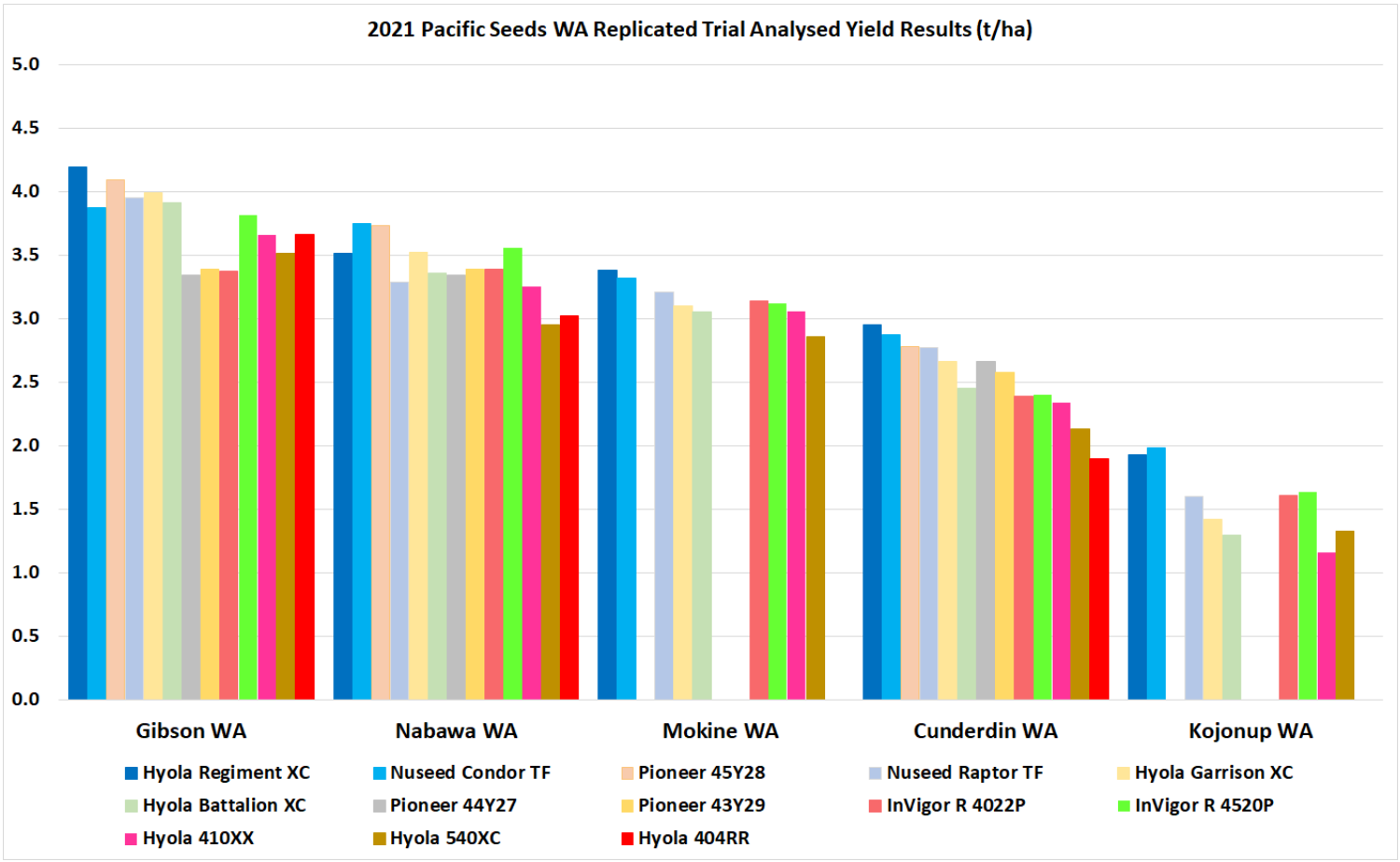
DELIVERING NEW BENCHMARK YIELD LEVELS TO WA GROWERS



Gibson WA Analysis Summary
CV: 6.86
LSD: 0.426
Mean: 3.848

Nabawa WA Analysis Summary
CV: 8.017
LSD: 0.340
Mean: 3.404

Mokine WA Analysis Summary
CV: 13.279
LSD: 0.336
Mean: 3.011

Cunderdin WA Analysis Summary
CV: 13.124
LSD: 0.398
Mean: 2.357

Kojonup WA Analysis Summary
CV: 20.515
LSD: 0.552
Mean: 1.363

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TruFlex CANOLA

Clearfield Production System

HYOLA REGIMENT XC

Hyola® Regiment XC - 2021 Gibson WA
Trial Analysed Grain Yield of 4.19t/ha

Hyola® Regiment XC - 2021 Nabawa WA
Trial Analysed Grain Yield of 3.51t/ha

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TruFlex CANOLA with Roundup Ready® Technology

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WA 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 2.01 t/ha 8	2018 2.20 t/ha 6	2019 2.11 t/ha 10	2020 2.64 t/ha 8	2021 2.90 t/ha 11
Nuseed Condor TF	27			114	115	120
Pioneer 45Y28 RR	25	113	113		113	119
Hyola Regiment XC	11					118
InVigor R 4520P	29			117	116	118
Nuseed Raptor TF	30	111		109	112	117
Pioneer 44Y30 RR	17				114	116
Nuseed GT-53	36	108	112	108	111	116
Pioneer 44Y27 (RR)	36	109	113	109	112	114
InVigor R 4022P	29			111	111	110
DG Bindo TF	11					108
DG Hotham TF	10					108
Hyola Garrison XC	29			103	104	106
InVigor R 5520P	41	107	101	106	104	105
VICTORY V55-04TF	5					104
Hyola 410XX	23	102		101	102	102
DG Lofty TF	4					102
Hyola Battalion XC	11				102	101
Pioneer 43Y29 RR	18	114		113	112	
DG 408RR	15	109	111	110	112	
Nuseed Emu TF	2			101	105	
Hyola 540XC	18	96		96	95	

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: Agzones 2, 3, 5 & 6 Growing Environments of WA.
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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GRDC National Variety Trials

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

Grain Yield Color Key:

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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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HYOLA REGIMENT XC

WA AGZONES 4 & 5 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
Moderate to High yielding Performance = Consistent Yellow to Light Green Colors across Locations and Years
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State Region Locality Crop Type Trial ID Variety Name	WA Agzone5 Scaddan Canola CHGA20SCAD6 tonnes/ha	WA Agzone5 Scaddan Canola CHGA21SCAD6 tonnes/ha	WA Agzone5 Hyden Canola CLGA20HYDE6 tonnes/ha	WA Agzone5 Hyden Canola CLGA21HYDE6 tonnes/ha	WA Agzone5 Jerramungup Canola CLGA20JERR6 tonnes/ha	WA Agzone5 Jerramungup Canola CLGA21JERR6 tonnes/ha	WA Agzone4 Merredin Canola CLGA19MERR6 tonnes/ha	WA Agzone4 Merredin Canola CLGA20MERR6 tonnes/ha	WA Agzone4 Merredin Canola CLGA21MERR6 tonnes/ha	WA Agzone4 Kellerberrin Canola CLGA20KELL6 tonnes/ha	WA Agzone4 Kellerberrin Canola CLGA21KELL6 tonnes/ha	WA Agzone4 Yuna Canola CLGA19YUNA6 tonnes/ha	WA Agzone4 Yuna Canola CLGA21YUNA6 tonnes/ha	WA Agzone4 Bencubbin Canola CLGA20BENC6 tonnes/ha	WA Agzone4 Bencubbin Canola CLGA21BENC6 tonnes/ha
Hyola Regiment XC	-	2.86	-	3.27	-	3.47	-	-	1.23	-	2.52	-	3.78	-	2.17
DG Bindo TF	-	2.70	-	-	-	2.99	-	-	-	-	2.28	-	-	-	-
DG Hotham TF	-	2.75	-	-	-	-	-	-	-	-	-	-	-	-	-
DG Lofty TF	-	-	-	2.80	-	2.99	-	-	1.30	-	2.37	-	3.67	-	2.38
DG 408RR	2.40	-	1.61	-	1.37	-	-	1.07	-	1.51	-	-	-	1.80	-
Hyola 404RR	-	-	-	-	-	-	0.62	-	-	-	-	1.07	-	-	-
Hyola 410XX	2.59	-	1.67	2.80	1.54	3.15	0.61	1.10	1.22	1.36	2.15	1.25	2.90	1.89	1.91
Hyola 540XC	2.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hyola Garrison XC	2.55	2.71	1.50	-	1.29	-	0.54	0.85	-	1.12	-	1.31	-	1.69	-
Hyola Battalion XC	2.59	2.59	1.49	3.03	1.51	2.77	-	1.09	1.37	1.33	2.45	-	3.83	1.76	2.17
InVigor R 3520	-	-	1.40	2.86	1.35	2.97	0.63	1.07	1.50	1.51	2.50	0.91	3.59	1.73	2.34
InVigor R 4022P	2.74	2.91	1.62	3.03	1.38	3.31	0.63	0.99	1.46	1.32	2.42	1.20	4.09	1.73	2.26
InVigor R 4520P	2.75	2.92	1.63	3.06	1.42	3.25	0.67	0.87	1.53	1.24	2.48	1.21	4.32	1.72	2.10
InVigor R 5520P	2.30	2.76	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuseed Condor TF	-	-	-	-	-	-	0.60	-	-	-	-	1.66	-	-	-
Nuseed Emu TF	-	-	1.86	-	1.72	-	-	1.32	1.78	1.76	2.81	-	4.31	2.23	2.57
Nuseed GT-53	2.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nuseed Raptor TF	2.81	3.08	1.39	-	1.18	-	0.63	-	-	-	-	1.24	-	-	-
Pioneer 43Y29 RR	2.83	-	1.41	-	1.46	-	0.54	0.78	-	1.28	-	1.33	-	1.52	-
Pioneer 44Y27 (RR)	2.68	2.98	1.77	3.04	1.61	3.25	0.56	1.17	1.34	1.73	2.60	1.04	3.73	2.01	2.48
Pioneer 44Y30 RR	-	3.04	-	3.19	-	3.56	-	-	1.30	-	2.56	-	3.60	-	2.27
Pioneer 45Y28 RR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VICTORY V5003RR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VICTORY V55-04TF	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Site Mean (t/ha)	2.61	2.85	1.59	2.99	1.47	3.25	0.61	1.06	1.36	1.47	2.49	1.20	3.72	1.81	2.24
CV (%)	3.22	2.53	6.19	4.53	5.11	5.15	5.44	8.56	8.29	6.62	3.18	8.16	4.23	9.20	4.87
Probability	<0.001	<0.001	<0.001	0.003751768	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.14	0.12	0.16	0.22	0.13	0.27	0.05	0.15	0.19	0.16	0.13	0.15	0.27	0.27	0.18
AnalysisDate	30-Oct-2020	05-Nov-2021	04-Nov-2020	15-Nov-2021	25-Nov-2020	15-Nov-2021	08-Nov-2019	04-Nov-2020	09-Nov-2021	20-Nov-2020	09-Nov-2021	13-Nov-2019	05-Nov-2021	04-Nov-2020	21-Oct-2021
Sowing Date	23-Apr-2020	26-Apr-2021	25-May-2020	22-Apr-2021	05-May-2020	28-Apr-2021	07-Jun-2019	06-May-2020	08-May-2021	25-May-2020	10-May-2021	06-May-2022	05-May-2021	08-May-2020	04-May-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 signifciant differences between them

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HYOLA REGIMENT XC

WA AGZONE 3 SINGLE SITE GRDC NVT GLY ANALYSED YIELD RESULTS

Grain Yield Color Key:

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State Region Locality Crop Type Trial ID Variety Name	WA Agzone3 Kojonup Canola CHGA19KOJO6 tonnes/ha	WA Agzone3 Kojonup Canola CHGA20KOJO6 tonnes/ha	WA Agzone3 Kojonup Canola CHGA21KOJO6 tonnes/ha	WA Agzone3 Williams Canola CHGA19WILL6 tonnes/ha	WA Agzone3 Williams Canola CHGA20WILL6 tonnes/ha	WA Agzone3 Kendenup Canola CHGA20KEND6 tonnes/ha	WA Agzone3 Kendenup Canola CHGA21KEND6 tonnes/ha	WA Agzone3 Gnowangerup Canola CHGA21GNOW6 tonnes/ha	WA Agzone3 York Canola CHGA21YORK6 tonnes/ha
Hyola Regiment XC	-	-	4.75	-	-	-	3.50	3.42	2.96
DG Bindo TF	-	-	3.77	-	-	-	3.07	3.09	2.43
DG Hotham TF	-	-	4.11	-	-	-	3.35	2.53	2.84
DG Lofty TF	-	-	-	-	-	-	-	-	-
DG 408RR	-	3.98	-	-	4.03	3.36	-	-	-
Hyola 404RR	2.67	-	-	1.98	-	-	-	-	-
Hyola 410XX	3.08	3.76	-	2.09	3.43	3.02	-	-	-
Hyola 540XC	2.66	3.40	-	1.91	3.10	2.71	-	-	-
Hyola Garrison XC	2.89	3.66	3.88	2.14	3.52	2.96	3.08	3.11	2.72
Hyola Battalion XC	-	-	-	-	-	-	-	-	-
InVigor R 3520	-	-	-	-	-	-	-	-	-
InVigor R 4022P	2.74	4.04	3.64	2.20	3.66	3.14	3.12	3.36	2.87
InVigor R 4520P	3.22	4.17	4.51	2.62	3.81	3.15	3.47	3.47	3.04
InVigor R 5520P	2.84	3.57	3.63	2.31	3.21	2.93	3.18	3.16	2.60
Nuseed Condor TF	2.99	3.76	4.77	2.49	3.64	2.98	3.76	3.83	2.69
Nuseed Emu TF	-	-	-	-	-	-	-	-	-
Nuseed GT-53	2.99	4.00	4.43	2.20	3.61	3.36	3.24	3.17	2.71
Nuseed Raptor TF	3.03	4.04	4.53	2.14	3.84	3.17	3.39	3.63	3.08
Pioneer 43Y29 RR	3.04	3.62	-	2.41	3.78	3.31	-	-	-
Pioneer 44Y27 (RR)	2.89	3.89	4.01	2.20	3.76	2.93	3.51	3.45	3.05
Pioneer 44Y30 RR	-	4.28	3.82	-	4.04	3.34	3.27	3.84	2.98
Pioneer 45Y28 RR	-	3.98	4.46	-	3.80	3.25	3.41	3.58	2.71
VICTORY V5003RR	2.85	3.28	-	1.72	3.18	2.79	-	-	-
VICTORY V55-04TF	-	-	3.52	-	-	-	2.99	-	-
Site Mean (t/ha)	2.94	3.77	4.18	2.17	3.64	3.08	3.33	3.31	2.83
CV (%)	7.25	4.82	7.08	7.11	2.87	5.12	4.14	4.33	8.99
Probability	0.075934963	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.015509603
LSD (t/ha)	0.35	0.30	0.48	0.26	0.17	0.26	0.24	0.38	0.42
AnalysisDate	08-Nov-2019	04-Dec-2020	08-Dec-2021	26-Nov-2019	04-Dec-2020	04-Dec-2020	20-Dec-2021	10-Dec-2021	08-Nov-2021
Sowing Date	23-Apr-2019	06-May-2020	23-Apr-2021	16-May-2019	06-May-2020	06-May-2020	20-Apr-2021	30-Apr-2021	04-May-2021

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WA AGZONE 2 SINGLE SITE GRDC NVT GLY ANALYSED YIELD RESULTS

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State Region Locality Crop Type Trial ID Variety Name	WA Agzone2 Bolgart Canola CHGA19BOLG6 tonnes/ha	WA Agzone2 Cunderdin Canola CHGA19CUND6 tonnes/ha	WA Agzone2 Cunderdin Canola CHGA20CUND6 tonnes/ha	WA Agzone2 Cunderdin Canola CHGA21CUND6 tonnes/ha	WA Agzone2 Dandaragan Canola CHGA19DAND6 tonnes/ha	WA Agzone2 Dandaragan Canola CHGA21DAND6 tonnes/ha	WA Agzone2 Tincurrin-N Canola CLGA19TI.N6 tonnes/ha	WA Agzone2 Wagin Canola CHGA21WAGI6 tonnes/ha	WA Agzone2 Katanning Canola CHGB19KATA6 tonnes/ha	WA Agzone2 Katanning Canola CHGA21KATA6 tonnes/ha	WA Agzone2 Yealering Canola CLGA20YEAL6 tonnes/ha	WA Agzone2 Nyabing Canola CLGA21NYAB6 tonnes/ha
Hyola Regiment XC	-	-	-	2.27	-	4.01	-	3.23	-	3.96	-	3.01
DG Bindo TF	-	-	-	2.07	-	3.35	-	3.02	-	2.97	-	-
DG Hotham TF	-	-	-	1.92	-	-	-	3.52	-	3.30	-	-
DG Lofty TF	-	-	-	2.33	-	3.19	-	3.41	-	2.75	-	2.82
DG 408RR	1.22	0.85	0.88	-	3.11	-	1.38	-	1.78	-	2.24	-
Hyola 404RR	-	-	-	-	-	-	1.00	-	-	-	-	-
Hyola 410XX	1.15	0.80	0.92	2.09	3.19	3.24	1.08	3.07	1.78	3.23	1.87	3.01
Hyola 540XC	1.08	0.79	-	-	2.53	-	-	-	1.83	-	-	-
Hyola Garrison XC	1.24	0.98	0.82	2.01	3.09	3.51	1.16	2.60	1.66	3.23	1.81	-
Hyola Battalion XC	-	-	1.00	2.01	-	2.99	-	2.48	-	3.20	1.88	2.71
InVigor R 3520	1.18	0.93	-	-	2.69	-	1.42	-	1.76	-	2.07	2.87
InVigor R 4022P	1.36	0.90	0.92	2.44	3.01	3.71	1.36	3.31	1.92	3.11	2.14	2.93
InVigor R 4520P	1.35	0.90	0.87	2.54	3.06	4.00	1.62	3.35	2.19	3.71	2.10	3.29
InVigor R 5520P	1.20	0.77	-	1.98	2.70	3.37	-	2.84	1.73	3.34	-	-
Nuseed Condor TF	1.14	0.87	0.95	2.36	3.04	3.66	1.13	3.62	2.11	3.92	-	-
Nuseed Emu TF	-	1.08	1.23	-	-	-	-	-	-	-	2.31	2.73
Nuseed GT-53	1.09	0.77	0.95	-	2.86	-	1.05	-	1.87	-	-	-
Nuseed Raptor TF	1.21	0.86	0.88	2.45	3.01	3.87	0.92	3.50	1.93	3.59	1.86	3.35
Pioneer 43Y29 RR	1.20	0.88	0.71	-	2.89	-	1.32	-	1.94	-	1.93	-
Pioneer 44Y27 (RR)	1.34	0.87	0.99	2.50	2.88	3.49	1.33	3.42	1.56	3.47	2.29	3.06
Pioneer 44Y30 RR	-	-	-	2.42	-	3.65	-	3.56	-	3.35	-	3.27
Pioneer 45Y28 RR	-	-	0.79	-	-	3.55	-	3.47	-	4.28	-	-
VICTORY V5003RR	1.09	0.73	-	-	2.54	-	-	-	1.73	-	-	-
VICTORY V55-04TF	-	-	-	-	-	-	-	-	-	3.19	-	-
Site Mean (t/ha)	1.21	0.87	0.91	2.25	2.92	3.54	1.22	3.25	1.82	3.43	2.08	3.03
CV (%)	9.20	8.09	12.95	3.85	2.57	5.78	10.52	6.78	7.29	5.16	4.07	3.31
Probability	0.007021857	<0.001	0.006181653	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.18	0.11	0.19	0.15	0.13	0.34	0.21	0.38	0.22	0.30	0.14	0.17
AnalysisDate	19-Nov-2019	12-Nov-2019	10-Nov-2020	09-Nov-2021	12-Nov-2019	08-Nov-2021	28-Nov-2019	19-Nov-2021	27-Dec-2019	22-Dec-2021	20-Nov-2020	15-Nov-2021
Sowing Date	07-Jun-2019	07-Jun-2019	25-May-2020	07-May-2021	24-May-2019	16-Apr-2021	24-May-2019	20-Apr-2021	24-May-2019	24-Apr-2021	05-May-2020	20-Apr-2021

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GRDC NATIONAL VARIETY TRIALS

Pacific Seeds
Growing possibilities

TECHNOTE

Spring 2022
Autumn 2023

CANOLA

XXCL

TruFlex CANOLA with Roundup Ready® Technology

Clearfield Production System

HYOLA REGIMENT XC

WA AGZONE 6 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

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

State Region Locality Crop Type Trial ID Variety Name	WA Agzone6 Gibson Canola CHGA19GIBS6 tonnes/ha	WA Agzone6 Gibson Canola CHGA20GIBS6 tonnes/ha	WA Agzone6 Gibson Canola CHGA21GIBS6 tonnes/ha	WA Agzone6 Munglinup Canola CHGA19MUNG6 tonnes/ha	WA Agzone6 Munglinup Canola CHGA20MUNG6 tonnes/ha	WA Agzone6 Munglinup Canola CHGA21MUNG6 tonnes/ha	WA Agzone6 Stirlings South Canola CHGA19ST.S6 tonnes/ha	WA Agzone6 Stirlings South Canola CHGA20ST.S6 tonnes/ha
Hyola Regiment XC	-	-	3.67	-	-	2.67	-	-
DG Bindo TF	-	-	3.45	-	-	2.74	-	-
DG Hotham TF	-	-	3.52	-	-	2.66	-	-
DG Lofty TF	-	-	-	-	-	-	-	-
DG 408RR	-	-	-	-	-	-	-	-
Hyola 404RR	-	-	-	-	-	-	-	-
Hyola 410XX	3.07	2.62	-	1.99	2.91	-	2.39	2.35
Hyola 540XC	2.98	2.70	-	1.72	2.88	-	2.61	2.26
Hyola Garrison XC	3.17	3.03	3.42	1.91	3.07	2.37	2.82	2.45
Hyola Battalion XC	-	3.00	3.10	-	2.89	2.52	-	-
InVigor R 3520	-	-	-	-	-	-	-	-
InVigor R 4022P	3.29	2.73	2.89	1.82	2.96	2.93	2.83	2.67
InVigor R 4520P	3.26	3.32	3.29	1.98	3.17	3.09	3.23	3.00
InVigor R 5520P	2.87	2.64	2.90	1.76	2.81	2.49	2.99	2.83
Nuseed Condor TF	3.31	2.85	3.44	2.03	3.27	2.95	3.27	2.70
Nuseed Emu TF	-	-	-	-	-	-	-	-
Nuseed GT-53	3.27	3.18	-	1.99	3.41	-	2.54	2.64
Nuseed Raptor TF	3.30	3.05	3.27	1.88	3.17	2.79	3.09	2.70
Pioneer 43Y29 RR	-	2.79	-	-	3.41	-	-	2.88
Pioneer 44Y27 (RR)	-	3.11	-	-	3.03	-	-	2.47
Pioneer 44Y30 RR	-	3.22	3.30	-	3.23	2.93	-	2.82
Pioneer 45Y28 RR	-	3.12	3.85	-	3.52	2.74	-	2.62
VICTORY V5003RR	2.82	-	-	1.85	-	-	2.79	-
VICTORY V55-04TF	-	-	3.04	-	-	2.59	-	-
Site Mean (t/ha)	3.17	2.92	3.36	1.87	3.08	2.77	2.92	2.64
CV (%)	4.50	5.08	5.41	4.98	2.99	3.88	8.12	4.25
Probability	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.23	0.25	0.29	0.15	0.15	0.17	0.39	0.18
AnalysisDate	08-Nov-2019	30-Oct-2020	15-Nov-2021	01-Nov-2019	23-Oct-2020	03-Nov-2021	15-Nov-2019	04-Dec-2020
Sowing Date	03-May-2019	22-Apr-2020	03-May-2021	29-Apr-2019	30-Apr-2020	23-Apr-2021	24-Apr-2019	06-May-2020

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State Region Locality Crop Type Trial ID Variety Name	WA Agzone1 Greenough Canola CLGA19GREE6 tonnes/ha	WA Agzone1 Greenough Canola CLGA21GREE6 tonnes/ha	WA Agzone1 Mingenew Canola CLGA20MING6 tonnes/ha	WA Agzone1 Mingenew Canola CLGA21MING6 tonnes/ha	WA Agzone2 Coorow Canola CLGA21COOR6 tonnes/ha	WA Agzone2 Buntine Canola CLGA19BUNT6 tonnes/ha	WA Agzone2 Buntine Canola CLGA20BUNT6 tonnes/ha	WA Agzone2 Buntine Canola CLGA21BUNT6 tonnes/ha
Hyola Regiment XC	-	2.24	-	2.40	3.56	-	-	2.54
DG Bindo TF	-	2.59	-	2.31	3.20	-	-	-
DG Hotham TF	-	-	-	-	-	-	-	-
DG Lofty TF	-	2.62	-	2.53	3.23	-	-	2.42
DG 408RR	-	-	2.78	-	-	0.84	2.27	-
Hyola 404RR	1.77	-	-	-	-	0.86	-	-
Hyola 410XX	1.95	2.34	2.55	2.21	3.09	0.80	2.45	2.34
Hyola 540XC	1.75	-	-	-	-	-	-	-
Hyola Garrison XC	1.85	-	2.49	-	-	0.72	2.45	-
Hyola Battalion XC	-	2.56	2.63	2.49	3.24	-	2.53	2.46
InVigor R 3520	1.78	2.42	2.61	2.57	3.34	0.83	2.10	2.49
InVigor R 4022P	1.78	2.71	2.61	2.45	3.57	0.83	2.01	2.31
InVigor R 4520P	1.62	2.86	2.39	2.46	3.69	0.83	1.78	2.48
InVigor R 5520P	-	-	-	-	-	-	-	-
Nuseed Condor TF	1.94	-	-	-	-	0.78	-	-
Nuseed Emu TF	-	-	2.94	-	3.37	1.22	2.50	2.62
Nuseed GT-53	-	-	-	-	-	0.76	-	-
Nuseed Raptor TF	1.72	2.80	2.72	2.60	3.54	0.76	2.24	2.80
Pioneer 43Y29 RR	1.82	-	2.52	-	-	0.68	2.16	-
Pioneer 44Y27 (RR)	1.83	2.59	2.60	2.60	3.57	0.83	2.28	2.68
Pioneer 44Y30 RR	-	2.44	-	2.55	3.60	-	-	2.69
Pioneer 45Y28 RR	-	-	-	-	-	-	-	-
VICTORY V5003RR	-	-	-	-	-	-	-	-
VICTORY V55-04TF	-	-	-	-	-	-	-	-
Site Mean (t/ha)	1.81	2.52	2.63	2.44	3.42	0.84	2.26	2.51
CV (%)	5.62	7.98	4.42	4.40	3.49	5.34	5.96	7.19
Probability	<0.001	0.013965719	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
LSD (t/ha)	0.16	0.33	0.19	0.18	0.19	0.07	0.22	0.29
AnalysisDate	12-Nov-2019	21-Oct-2021	20-Nov-2020	19-Oct-2021	08-Nov-2021	12-Nov-2019	20-Nov-2020	01-Nov-2021
Sowing Date	07-Jun-2019	21-Apr-2021	05-May-2020	05-May-2021	08-May-2021	07-Jun-2019	06-May-2020	07-May-2021

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