TECHNOTE

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CANOLA

HYOLA 410 XX

TruFlex® Technology enabling the ultimate in Glyphosate-based Weed Control

HYBRID AGRONOMIC ATTRIBUTES

Herbicide Tolerance

TruFlex® Tolerant Early to Mid Maturing Hybrid

Plant Vigour

Observed visual ratings from Pacific Seeds Research & Technical Development Trials

8.0 to 8.5

Blackleg Rating

Official Industry Bare Seed Rating of "MR"

Blackleg Groups

Official Industry Screened Triple Blackleg Protection Groups:

ABD

Growing Zones

LRZ-MRZ
Low to Medium-High Rainfall Zones

Yield Adaptability

1.0t/ha to 2.5t/ha

Plant Height

Medium Height with Moderate Lodging Resistance

#Hectolitre Weight

#Calculated weight rating in Pacific Seeds Trials, normal range = 63 to 67 kg/HL.

Oil Potential

Very High Grain Oil % Content

Industry Planting Alternative to:

44Y30,
44Y27,
InVigor R 4022P,
InVigor R 4520P,
Emu TF,
Hunter TF,
DG Bindo TF,
DG Lofty TF

Pacific Seeds
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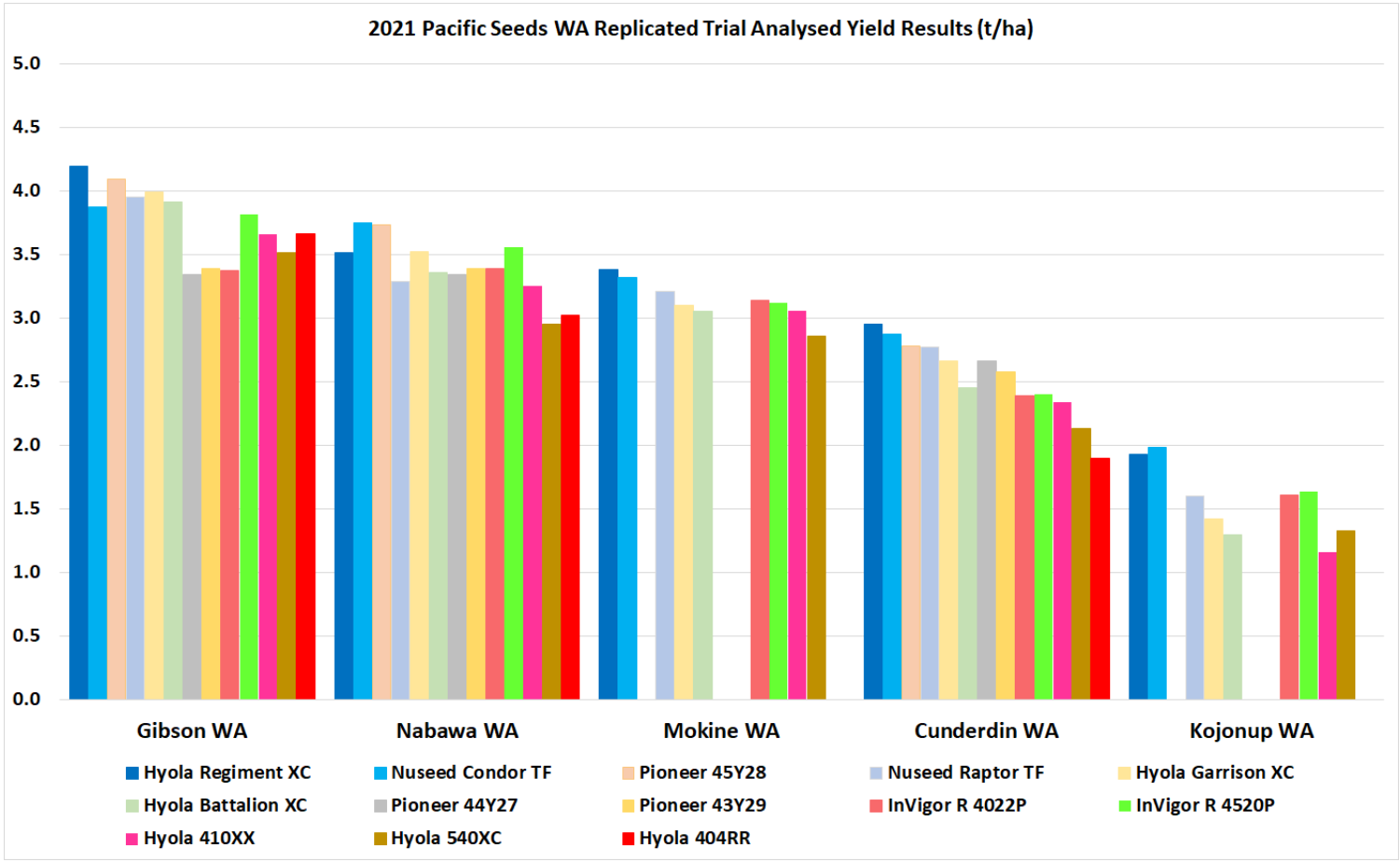
TruFlex CANOLA with Roundup Ready® Technology

DELIVERING COMPETITIVE YIELDS IN LRZ-MRZ ZONES 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 Technology

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WA LONG TERM 2017 - 2021 GRDC NVT LRZ - MRZ 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 Early GLY 2017-2021 Variety	Year Mean Yield # Trials	2017 1.85 t/ha 6	2018 1.85 t/ha 5	2019 1.05 t/ha 7	2020 1.95 t/ha 8	2021 2.64 t/ha 11
Nuseed Emu TF	17			107	114	108
Pioneer 44Y27 (RR)	36	112	110	104	103	107
Hyola Regiment XC	11					105
Hyola Battalion XC	19				99	99
Hyola 410XX	26			98	99	93
InVigor R 3520	37	102	103	97	97	101
InVigor R 4022P	26			100	96	104
Hyola Garrison XC	15			97	93	
Nuseed Raptor TF	17			98	91	106
InVigor R 4520P	26			98	90	106
Pioneer 44Y30 RR	11					107
DG Lofty TF	11					99
DG Bindo TF	5					96

Long Term Results Early GLY 2017-2021 Variety	Yield Group Mean Yield # Trials	1 0.86 t/ha 4	1.5 1.32 t/ha 9	2 1.72 t/ha 6	2.5 2.29 t/ha 11	3 2.79 t/ha 4	3.5 3.26 t/ha 2	4 3.57 t/ha 1
Nuseed Emu TF	17	119	115	114	111	102	98	120
Pioneer 44Y30 RR	11		107		106	107	109	107
InVigor R 4520P	26	95	102	100	105	107	109	106
Hyola Regiment XC	11		104		104	106	108	103
Hyola Battalion XC	19		99	103	102	99	93	101
Hyola Garrison XC	15	98	93	98	98	101		
Pioneer 44Y27 (RR)	36	108	107	107	107	106	105	110
InVigor R 4022P	26	97	102	100	103	104	105	104
Nuseed Raptor TF	17	114	100	111	111	110	99	
InVigor R 3520	37	97	102	100	101	97	97	106
DG Bindo TF	5				97		96	
Hyola 410XX	26	95	93	95	93	95	96	89
DG Lofty TF	11		100		99	97	95	102

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: Agzones 1, 2, 4, 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.

GRDC Grains Research & Development Corporation

GRDC National Variety Trials

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WA AGZONES 4 & 5 SINGLE SITE GRDC NVT TT 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	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.
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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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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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TruFlex with Roundup Ready CANOLA Technology

HYOLA 410 XX

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

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.
The SSA is conducted on a single trial at a single location in a single season. These results are derived from three variety replicates, tested in one environment, in one year.
The SSA is less accurate and less reliable than the Multi Environment Trial at predicting long term variety performance for a location and should only be considered in context of the season experienced.
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 signifcant differences between them

GRDC Grains Research & Development Corporation
GRDC National Variety Trials

Pacific Seeds
Growing possibilities

TECHNOTE

Spring 2022
Autumn 2023

CANOLA

HYOLA 410 XX

WA AGZONES 1 & 2 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 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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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 signifcant differences between them

GRDC NATIONAL VARIETY TRIALS

Pacific Seeds
Growing possibilities

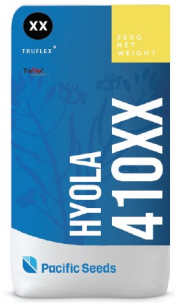
TECHNOTE

Spring 2022
Autumn 2023

CANOLA

HYOLA 410XX

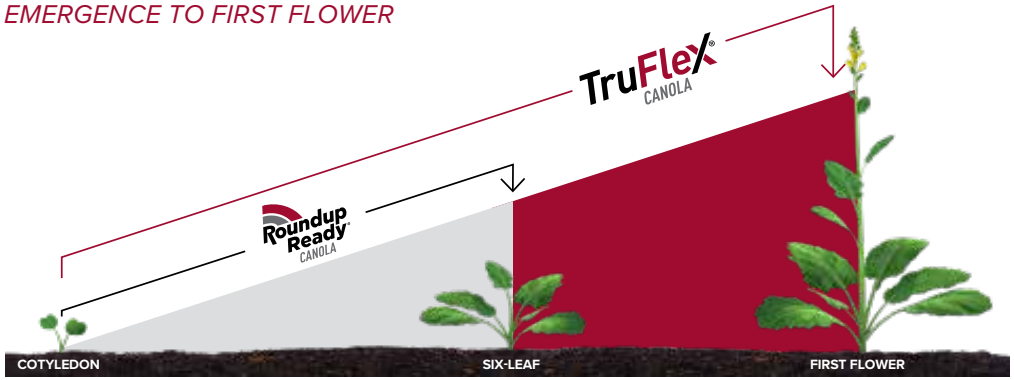
Delivering Flexible Solution Driven Profits to Canola Growers
More Flexibility & Options than Roundup Ready (RR) Hybrids



THE RATE FARMERS NEED FOR THEIR WEED CHALLENGES

PRODUCT	ACTIVE INGREDIENT	Roundup Ready CANOLA	TruFlex CANOLA	TruFlex CANOLA
Roundup READY HERBICIDE with PLANTSHIELD	690 g/kg glyphosate (granule)	2 apps @ 0.9 kg/ha	2 apps @ 1.3 kg/ha	3 apps @ 0.9 kg/ha
Roundup READY PL HERBICIDE with PLANTSHIELD	540 g/L glyphosate (liquid)	2 apps @ 1.15 L/ha	2 apps @ 1.67 L/ha	3 apps @ 1.15 L/ha

TRUFLEX CANOLA EXTENDED SPRAY WINDOW –
EMERGENCE TO FIRST FLOWER



When applying Roundup Ready Herbicides at registered rates

The window of application for Roundup Ready Herbicides extends past the six-leaf stage all the way to first flower.

Pacific Seeds
Growing possibilities