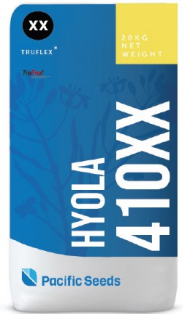




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CANOLA  
with Roundup Ready<sup>®</sup>  
Technology

# HYOLA 410 XX

TruFlex<sup>®</sup> Technology enabling the ultimate in Glyphosate-based Weed Control



## HYBRID AGRONOMIC ATTRIBUTES

### Herbicide Tolerance

TruFlex<sup>®</sup> 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 with good  
Lodging Resistance



### \*Shatter Tolerance & #Hectolitre Weight

\*Observed visual rating  
compared to other  
Hyola Hybrids = 7/10

#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,  
Raptor TF,  
DG Bindo TF,  
DG Lofty TF



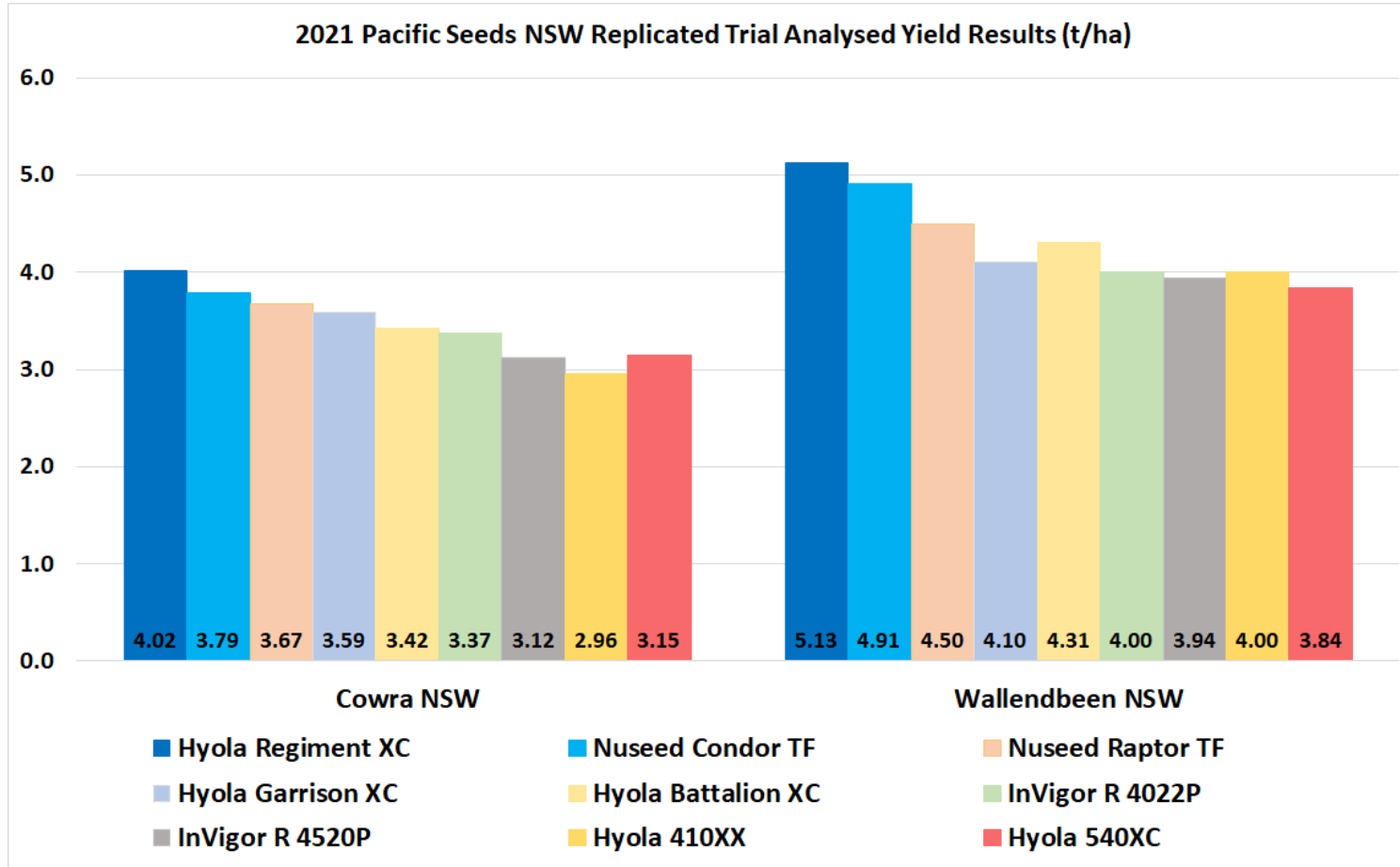
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## DELIVERING COMPETITIVE YIELDS IN LRZ-MRZ ZONES TO NSW GROWERS

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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



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## NSW 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 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

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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## S/E NSW 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
		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	NSW	NSW	NSW	NSW	NSW	NSW	NSW
Region	S/E	S/E	S/E	S/E	S/E	S/E	S/E
Locality	Cootamundra	Cootamundra	Cootamundra	Wagga Wagga	Wagga Wagga	Grenfell	Grenfell
Crop Type	Canola	Canola	Canola	Canola	Canola	Canola	Canola
Trial ID	CHGA19COOT2	CHGA20COOT2	CHGA21COOT2	CHGA20WARI2	CHGA21WARI2	CHGA20GREN2	CHGA21GREN2
Variety Name	tonnes/ha	tonnes/ha	tonnes/ha	tonnes/ha	tonnes/ha	tonnes/ha	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 Conдор 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.

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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



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## 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
	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	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

**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 significant differences between them



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

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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

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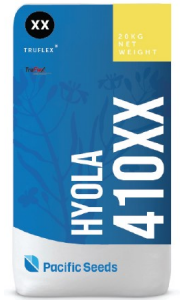
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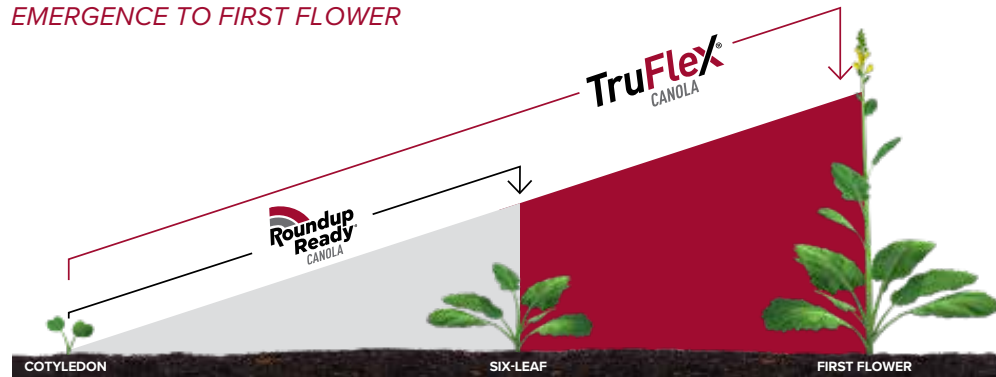
Delivering Flexible Solution Driven Profits to Canola Growers  
More Flexibility & Options than Roundup Ready (RR) Hybrids



## THE RATE FARMERS NEED FOR THEIR WEED CHALLENGES

PRODUCT	ACTIVE INGREDIENT			
	690 g/kg glyphosate (granule)	2 apps @ 0.9 kg/ha	2 apps @ 1.3 kg/ha	3 apps @ 0.9 kg/ha
	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.*