

TECHNOTE

Spring 2022
Autumn 2023

CANOLA



HYOLA SOLSTICE CL

Clearfield® Technology Protecting Growers' Investment with Unique Quad Blackleg Resistance



NEW

HYBRID AGRONOMIC ATTRIBUTES

Herbicide Tolerance

Clearfield® Tolerant
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:

44Y94,
45Y93,
45Y95

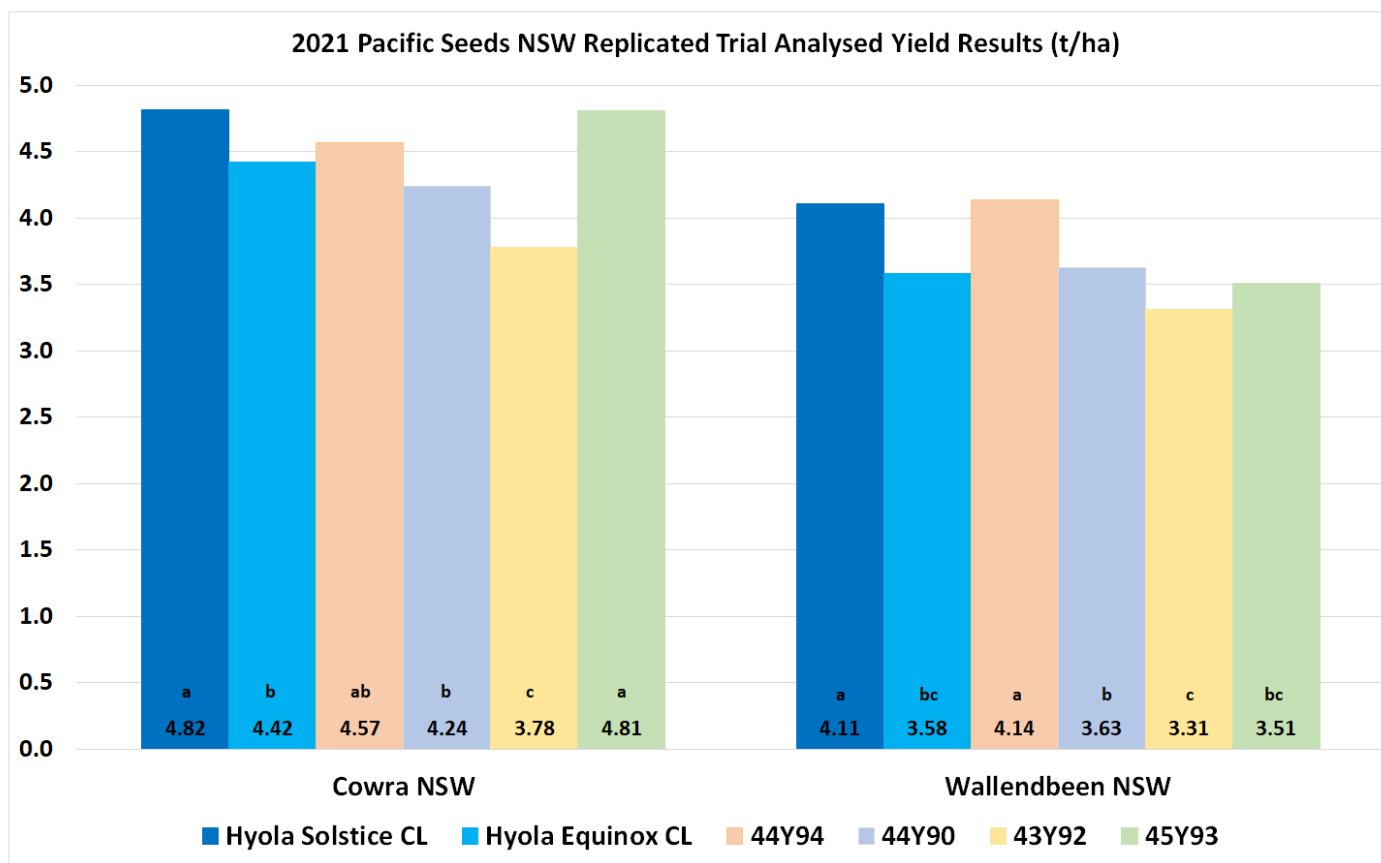


HYOLA SOLSTICE CL



DELIVERING HIGHLY COMPETITIVE 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 SOLSTICE CL



Hyola® Solstice CL - 2021 Cowra NSW Trial
Analysed Grain Yield of 4.82t/ha



Hyola® Solstice CL - 2021 Wallendbeen NSW Trial - Analysed Grain Yield of 4.11t/ha



HYOLA SOLSTICE CL



NSW LONG TERM 2017 - 2021 GRDC NVT MRZ - HRZ CL 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 CL 2017-2021 Variety	Year Mean Yield # Trials	2017 1.39 t/ha 11	2018 1.19 t/ha 8	2019 1.01 t/ha 8	2020 3.18 t/ha 11	2021 3.19 t/ha 10
Pioneer 45Y95 (CL)	17		115	121		115
Pioneer 44Y94 CL	25			118	110	114
Hyola Solstice CL	4					112
Pioneer 45Y93 CL	31	104	105	105	112	109
Hyola Equinox CL	21				100	106
Pioneer 43Y92 (CL)	27	109	111	119	101	104
VICTORY V75-03CL	33		90	84	92	93
VICTORY V7002CL	37	86	87	85	89	90
Saintly CL	25	108	107	118		
Pioneer 44Y90 (CL)	37	102	105	108	105	
PHI-1906	5			110		
Banker CL	19	102	98	104		
Pioneer 45Y91 (CL)	27	101	98	98	105	

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

Long Term Mid CL 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.





S/W & N/W NSW SINGLE SITE GRDC NVT CL 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/W Lockhart Canola CHIA21LOCK2 tonnes/ha	NSW S/W Condobolin Canola CLIA21CONA2 tonnes/ha	NSW S/W Beckom Canola CHIA21BECK2 tonnes/ha	NSW S/W Oaklands Canola CLIA21OAKL2 tonnes/ha
Hyola Solstice CL	3.15	3.31	3.44	3.61
Hyola Equinox CL	2.70	-	3.54	-
Pioneer 43Y92 (CL)	2.89	3.19	3.34	3.78
Pioneer 44Y94 CL	2.69	3.35	3.71	4.34
Pioneer 45Y93 CL	-	-	-	-
Pioneer 45Y95 (CL)	2.92	-	-	-
VICTORY V7002CL	2.72	2.55	3.09	3.60
VICTORY V75-03CL	2.98	-	2.79	-
Site Mean (t/ha)	2.89	3.05	3.29	3.79
CV (%)	5.77	2.86	4.60	4.16
Probability	0.072444359	<0.001	<0.001	<0.001
LSD (t/ha)	0.28	0.14	0.24	0.25
AnalysisDate	09-Dec-2021	19-Nov-2021	25-Nov-2021	30-Nov-2021
Sowing Date	12-May-2021	07-May-2021	05-May-2021	27-Apr-2021

State Region Locality Crop Type Trial ID Variety Name	NSW N/W Gilgandra Canola CHIA21GILG2 tonnes/ha	NSW N/W Trangie Canola CLIA21TRAN2 tonnes/ha	NSW N/E Wellington Canola CHIA21WELL2 tonnes/ha
Hyola Solstice CL	3.23	3.71	2.96
Hyola Equinox CL	3.03	-	2.85
Pioneer 43Y92 (CL)	3.04	3.61	-
Pioneer 44Y94 CL	3.20	3.62	-
Pioneer 45Y93 CL	-	-	3.35
Pioneer 45Y95 (CL)	-	-	3.46
VICTORY V7002CL	2.52	3.21	-
VICTORY V75-03CL	-	-	3.19
Site Mean (t/ha)	2.94	3.46	3.19
CV (%)	6.33	4.09	5.26
Probability	<0.001	<0.001	<0.001
LSD (t/ha)	0.29	0.23	0.26
AnalysisDate	08-Nov-2021	19-Nov-2021	09-Dec-2021
Sowing Date	22-Apr-2021	21-Apr-2021	10-May-2021

Single Site Trial Results: 2022 Grains Research and Development Corporation – 2020 & 2021 National Variety CL 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 significant differences between them



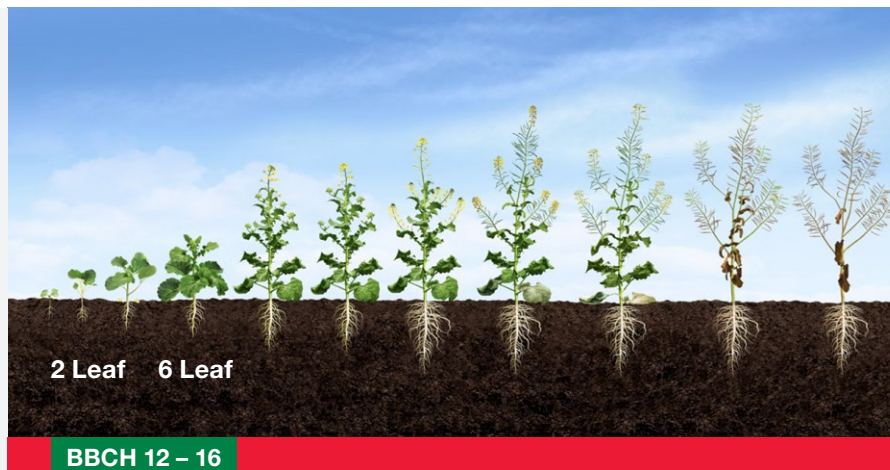


HYOLA SOLSTICE CL

Delivering High Yields and Unique Quad Group Blackleg Resistance

Clearfield Canola

Apply to canola crop at the 2 to 6 leaf stage. Apply to actively growing weeds in the 3-leaf to 2-tiller stage and broadleaf weeds in the 2 to 6 leaf stage. DO NOT apply **Clearfield®** canola after 6 leaf stage.



Resistance Management

To preserve the effectiveness of any herbicide a good resistance management approach is recommended. **Intervix®** herbicide is a Group B herbicide. Other group B (ALS inhibitors) include sulfonylureas, and triazolopyrimidines (sulphonamides). To assist with resistance management, rotate **Clearfield®** winter crops with spring crops to break the cycle of winter annual weeds and allow the use of alternate site of action herbicides. If winter cropping is rotated with a fallow season, control weeds before they set seed and use alternate mode of action herbicides. ALS-inhibiting herbicides should not be used more than 2 out of 4 years.