INTERGRAIN

NEOΦCL

Product Profile northern NSW & QLD

Unrivalled performance in medium-high production environments

NEOΦ CL features

- Exceptionally high yielding malting barley providing a 6% yield improvement over RGT Planetᶲ*.
- A mid-spring maturing Clearfield® barley with a semi-prostrate plant type.
- Excellent disease resistance package including improved spot form and net form net blotch resistance compared to RGT Planetᶲ.
- Ideally suited to medium-high rainfall environments.
- Good grain quality attributes including excellent grain plumpness, superior to RGT Planetᶲ, and comparable test weight to RGT Planetᶲ.

NEOΦ CL is available for planting from Seedclub Members, resellers and via farmer to farmer trade.

**based on 2020-25 NVT long-term main season % predicted yield performance, average of 2020-25 annual yield results (northern NSW and QLD).*

Mid spring maturity

Clearfield® barley

Malt accredited barley

Semi-prostrate growth habit

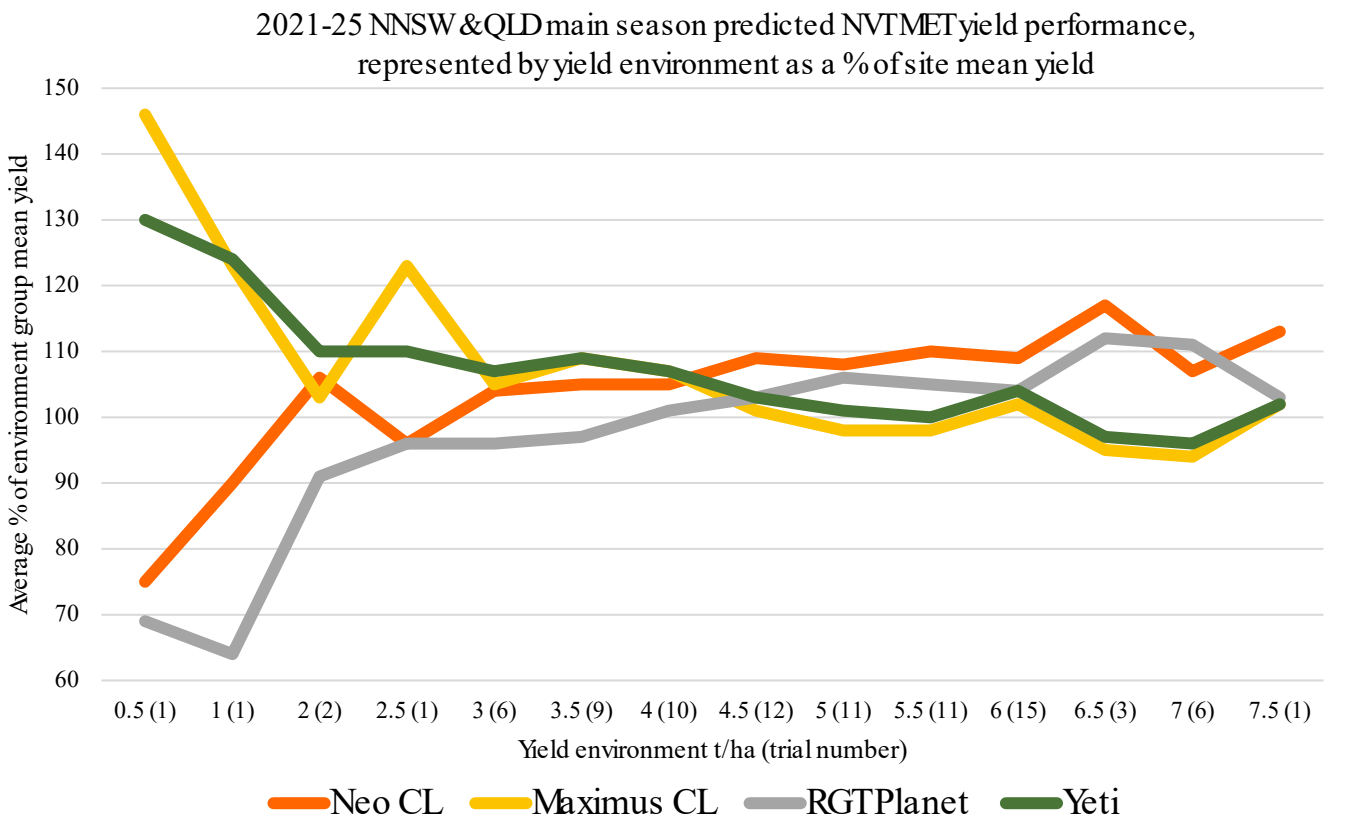
Good disease resistance profile

Strong lodging tolerance & low head loss risk

Plant features	Neoᶲ CL	Maximusᶲ CL	RGT Planetᶲ	Yetiᶲ
Classification	Malt	Malt	Malt	Feed
Maturity	Mid	Quick-Mid	Mid	Quick
Early growth habit	Semi-prostrate	Erect	Semi-prostrate	Semi-erect
Coleoptile length	Medium	Short	Medium	Medium-long
Plant height	Short	Short	Medium	Medium
Lodging tolerance	Strong	Strong	Medium	Medium
Head loss risk	Low	Low	Low	Low
Grain plumpness	Good	Good/Excellent	Fair	-
Rachilla hair length	Short	Long	Short	Long

Plant features source: 2025 NSW and QLD Crop Sowing Guide's and InterGrain barley breeding

Yield performance



Data accessed from GRDC NVT 02/07/2026

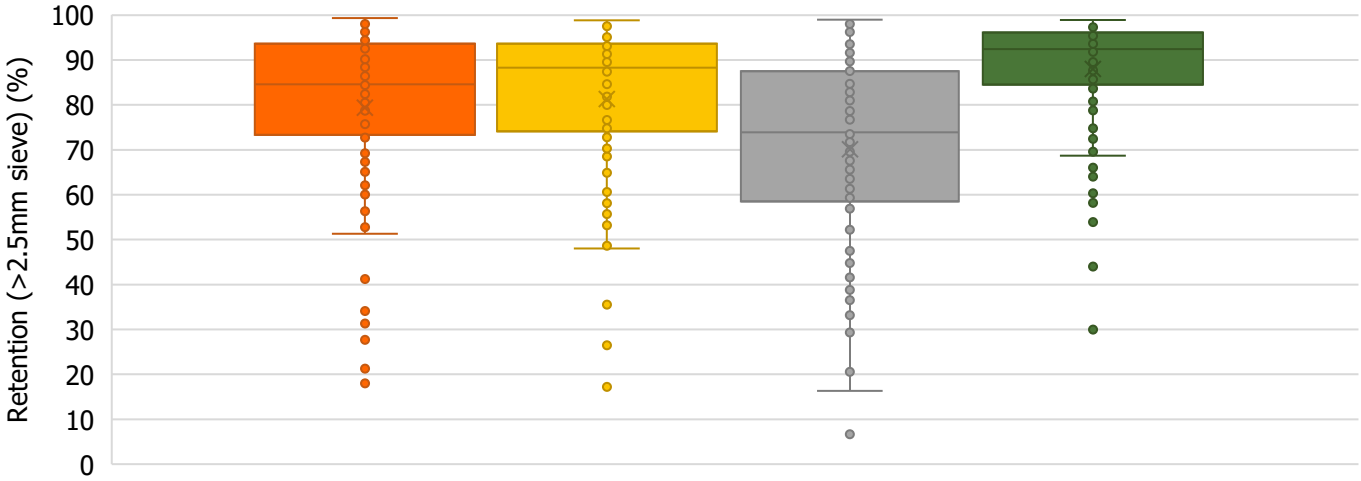
Disease

		Neo Φ CL	Maximus Φ CL	RGT Planet Φ	Yeti Φ
Leaf rust	QLD	S	MSS	MS	SVS
	NSW	SVS	MS	MR	SVS
Powdery mildew		RMR	S	RMR	MSS
Spot form net blotch	QLD	MRMS	MSS	S	MRMS
	NSW	MR	MS	SVS	MRMS
Net form net blotch	QLD	MRMS	MRMS	S	MS
	NSW	MSS	MS	SVS	MS
CCN		R	R	R	RMR
Scald		S	MSS	MSS	VS

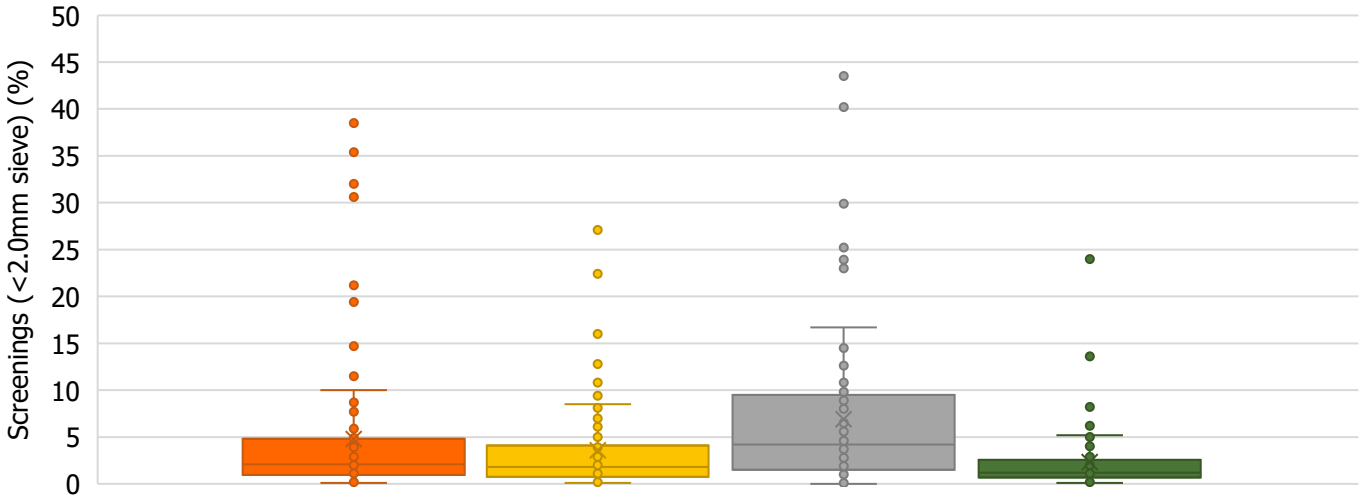
Source: 2026 NVT Pathology consensus disease ratings. p = Provisional ratings, - = show a range of reaction responses
R = Resistant, RMR = Resistant to Moderately Resistant, MR = Moderately Resistant, MRMS = Moderately Resistant to Moderately Susceptible, MS = Moderately Susceptible, MSS = Moderately Susceptible to Susceptible, S = Susceptible, SVS = Susceptible to Very Susceptible, VS = Very Susceptible

Grain quality

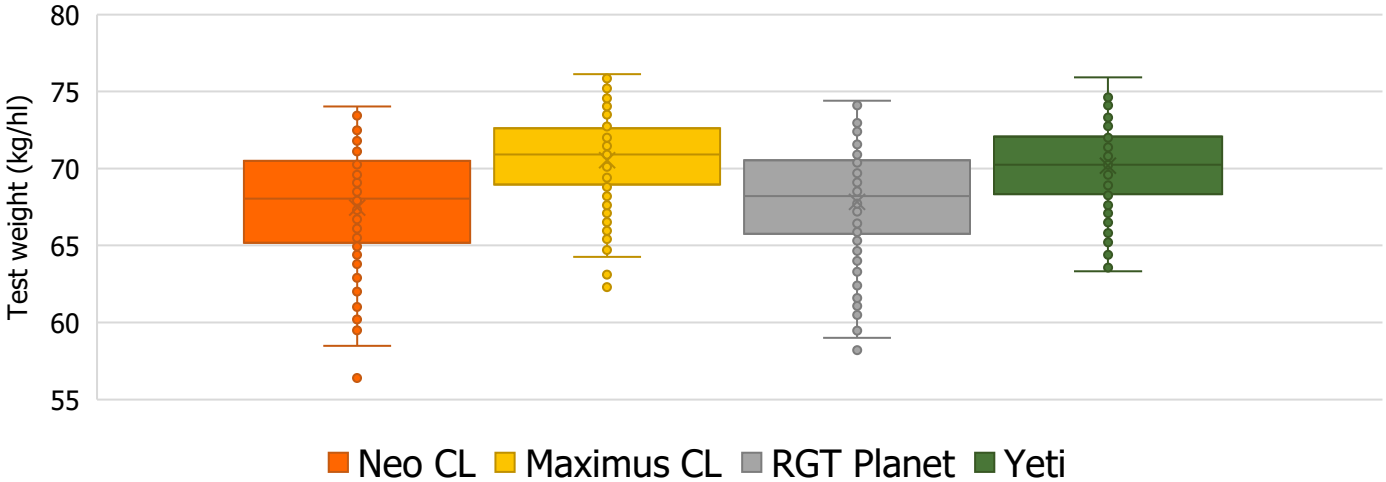
2023-2025 National NVT main season barley **retention** (%)
Data accessed 13/07/26 from 99 trials



2023-2025 National NVT main season barley **screenings** (%)
Data accessed 13/07/26 from 101 trials



2023-2025 National NVT main season barley **test weight** (kg/hl)
Data accessed 13/07/26 from 100 trials



Group B Imidazolinone Information:

InterGrain only supports use of Australian Pesticides and Veterinary Medicines Authority (APVMA) approved imidazolinone (IMI) products for NEO CL.

Growers using APVMA approved herbicides, must comply with all label recommendations and requirements for the specific herbicide used.

NEO CL possesses the gene conferring tolerance to label application rates of registered IMI products. IMI herbicides are Group 2 (formally known as Group B) herbicides, ALS inhibitors. Registered IMI herbicides provide control of many major grass and broadleaf weeds present in broadacre cropping systems. These weeds include brome grass, barley grass, wild oats, indian hedge mustard, muskweed, oats, wheat and barley (non-Clearfield®), wild radish, wild turnip and suppression of annual ryegrass. IMI herbicides are not effective in controlling Group 2 resistant weed species (particularly wild radish and annual ryegrass).

For registered product labels, plant back and application details please refer to the following:

Pre-Emergent Herbicide: Sentry®

Post-Emergent Herbicide Options: Intervix® | Intercept®

InterGrain strongly supports sustainable Clearfield® and IMI barley production systems and we recommend reviewing the stewardship guidelines suggested within the below guides to ensure longevity of APVMA approved IMI herbicides:

Nufarm IMIcrops
BASF Clearfield Stewardship

Clearfield® Production System

InterGrain contact

Matt Naumann
Northern NSW & Queensland Territory Manager
0460 292 620 | mnaumann@intergrain.com

PBR/EPR

NEO CL is protected by Plant Breeder's Rights and is subject to an end point royalty of $4.25/tonne GST exclusive.

Disclaimer

The material contained in this publication is considered true and correct as at the date of this publication. The publication is a general guide only prepared solely for the purpose of providing general information in connection with InterGrain, its business and, if applicable the services and products provided by InterGrain. InterGrain does not warrant or guarantee the accuracy, completeness or currency of the publication material and information. InterGrain strongly recommends the publication reader independently research or obtain independent professional advice in connection with the use of the publication material and information for any business decision.

Neither InterGrain, its officers, directors, affiliates or employees, are liable for any cost, expense, damage, liability or loss suffered or incurred by a publication reader or any other party related in any way to the publication reader as a result of the use of publication material and information.

Publication Date: September 2026 © Intergrain Pty Ltd 2026. All rights reserved.

Sources

Disease source: 2025 NVT Disease Consensus Ratings and InterGrain disease ratings independently tested by national pathologists. Agronomic characteristics source: InterGrain Breeding.
Yield sourcing: Yield performance has been sourced from NVT data.

GRDC NATIONAL VARIETY TRIALS™