INTERGRAIN

NEOΦCL

Product Profile WA

Unrivalled performance in medium-high production environments

NEOΦ CL features

- Exceptionally high yielding malting barley providing a 11% yield improvement over RGT Planet$^{\Phi}$*.
- 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 Planet$^{\Phi}$.
- Ideally suited to medium-high rainfall environments.
- Good grain quality attributes including excellent grain plumpness, superior to RGT Planet$^{\Phi}$, and comparable test weight to RGT Planet$^{\Phi}$.

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

**based on 2021-25 WA NVT long-term main season % predicted yield performance, average of 2021-25 annual yield results.*

Mid spring maturity

Clearfield® barley

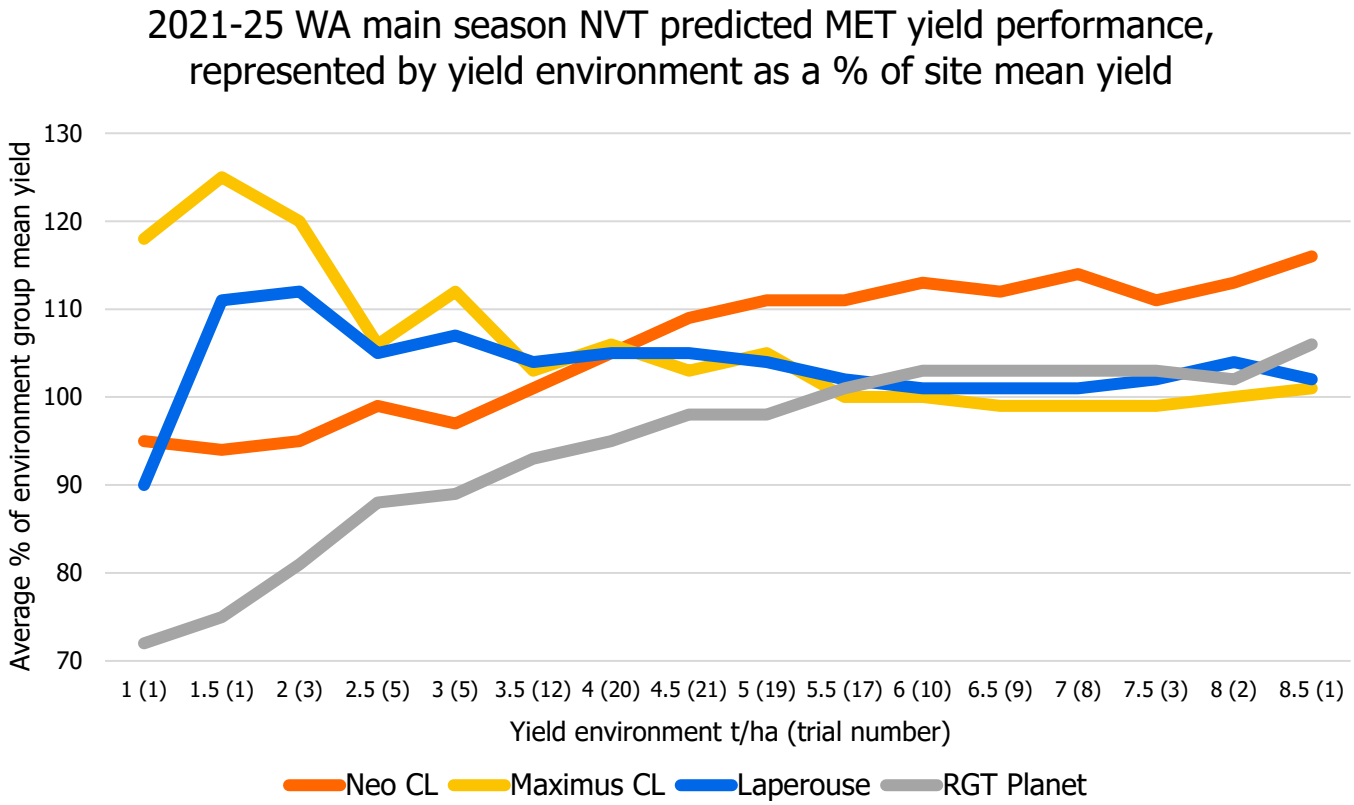
Malt accredited barley

Semi-prostrate growth habit

Good disease resistance profile

Strong lodging tolerance & low head loss risk

Western Australia NVT yield performance



Data accessed from GRDC NVT 30/03/2026

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Disease

	Neoᶲ CL	Maximusᶲ CL	Laperouseᶲ	RGT Planetᶲ
Leaf rust	MSS	S	S	MRMS
Powdery mildew	R	MSS	MSS	R
Spot form net blotch	MRMS	MSS	MSS	S
Net form net blotch	MRMS-MSS	MRMS-S	MRMS-S	MRMS-SVS
CCN	R	R	S	R
Barley yellow dwarf virus	MRMS-MS	MRMS-MS	MRMS	MRMS-MS
Scald	MRMS-S	R-S	SVS	RMR

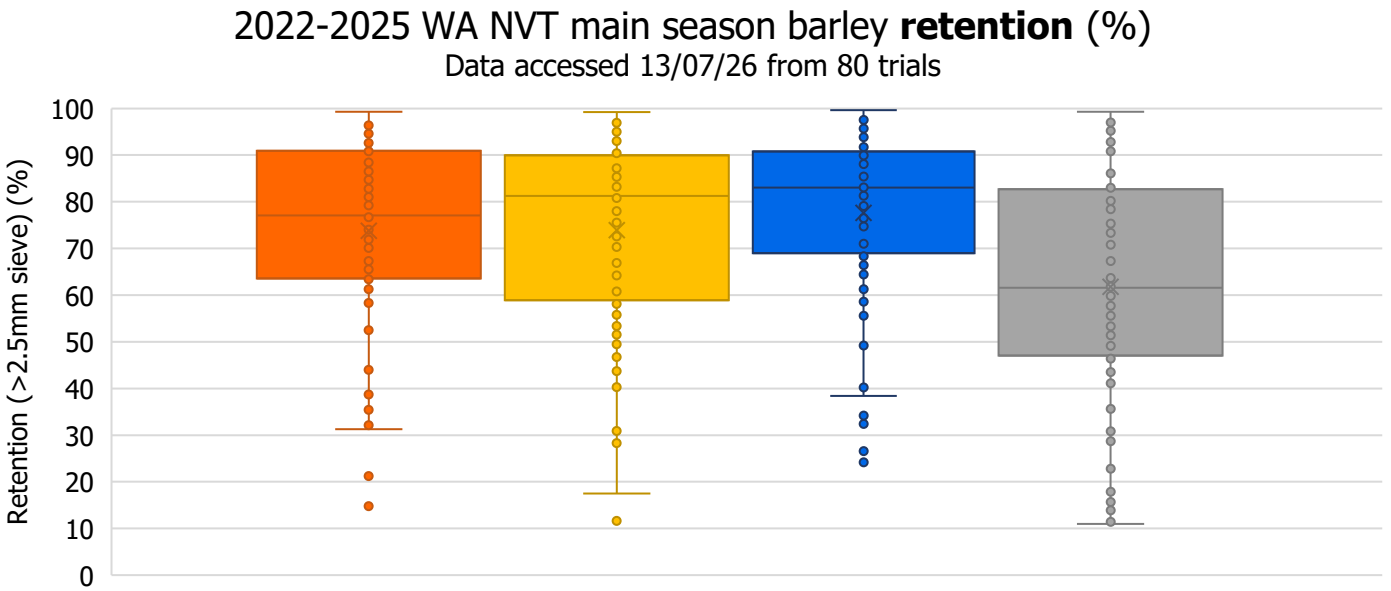
Source: 2026 NVT Pathology consensus disease ratings. p = Provisional ratings, - = show a range of reaction responses
R = Resistant, RMR = Resistant to Moderately Resistant, MR = Moderately Resistant, MRMS = Moderately Resistant to Moderately Susceptible, MS = Moderately Susceptible, MSS = Moderately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

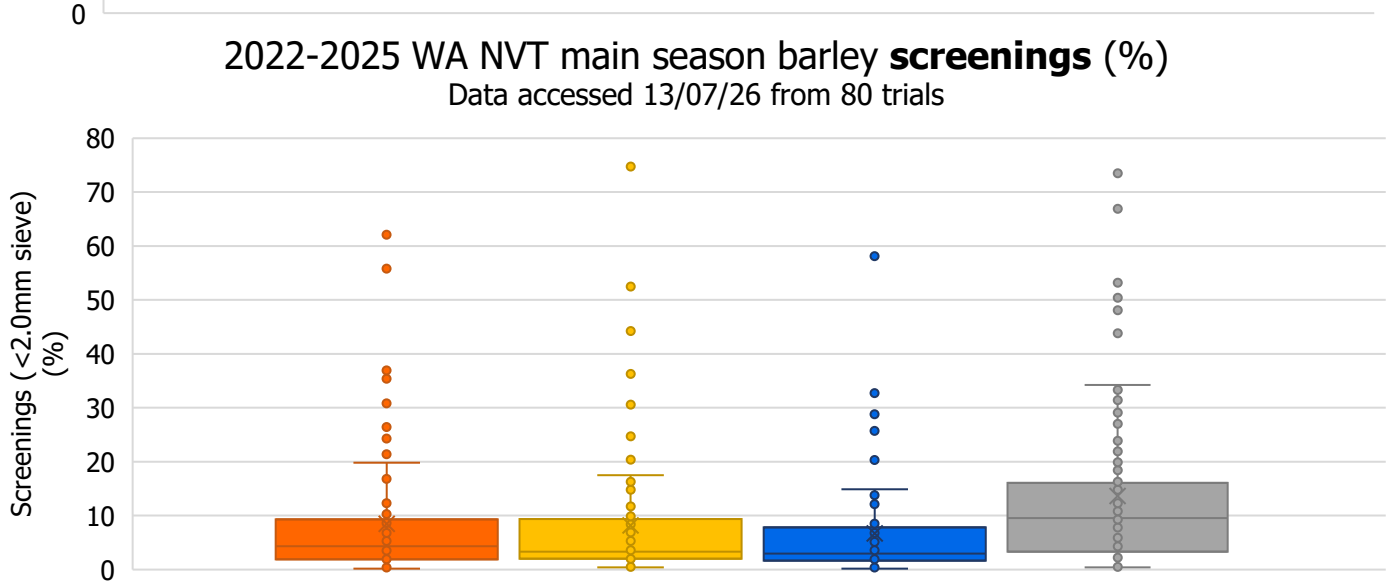
Plant features

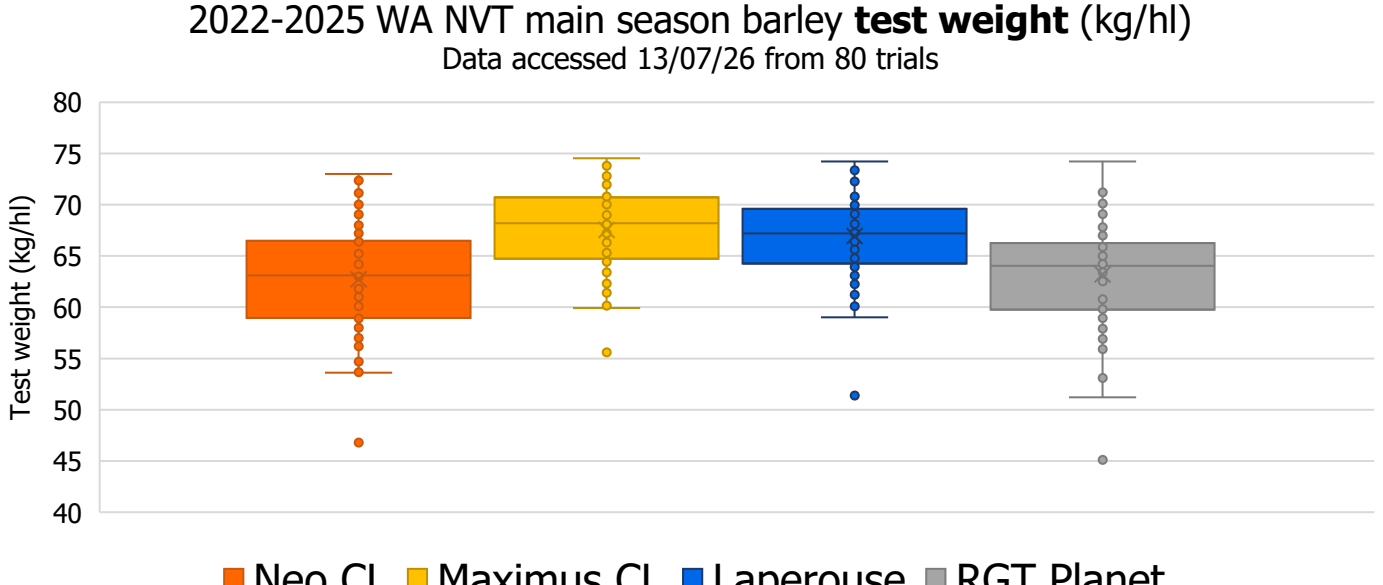
Variety	Neoᶲ CL	Maximusᶲ CL	Laperouseᶲ	RGT Planetᶲ
Classification	Malt	Malt	Malt	Malt
Maturity	Mid	Quick-mid	Mid	Mid
Early growth habit	Semi-prostrate	Erect	Semi-erect	Semi-prostrate
Coleoptile length	Medium	Short	Short	Medium
Plant height	Short	Short	Medium	Medium
Lodging tolerance	Strong	Strong	Medium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

Source: 2025 WA Crop Sowing Guide and InterGrain barley breeding

Grain quality







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

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PBR/EPR

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Sources

Disease source: 2026 NVT Disease Consensus Ratings. Agronomic characteristics source: InterGrain Breeding.
Yield sourcing: Yield performance has been sourced from NVT data and InterGrain long-term MET analysis.

GRDC NATIONAL VARIETY TRIALS