INTERGRAIN

NEOΦCL

Product Profile SA & VIC

Unrivalled performance in medium-high production environments

NEOΦ CL features

- Exceptionally high yielding malting barley, providing a yield improvement over RGT PlanetΦ* (10% in Victoria and 11% in South Australia).
- 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 PlanetΦ.
- Ideally suited to medium-high rainfall environments.
- Good grain quality attributes including excellent grain plumpness, superior to RGT PlanetΦ, and comparable test weight to RGT PlanetΦ.

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 (in SA and VIC).*

Mid spring maturity

Clearfield® barley

Malt accredited barley

Semi-prostrate growth habit

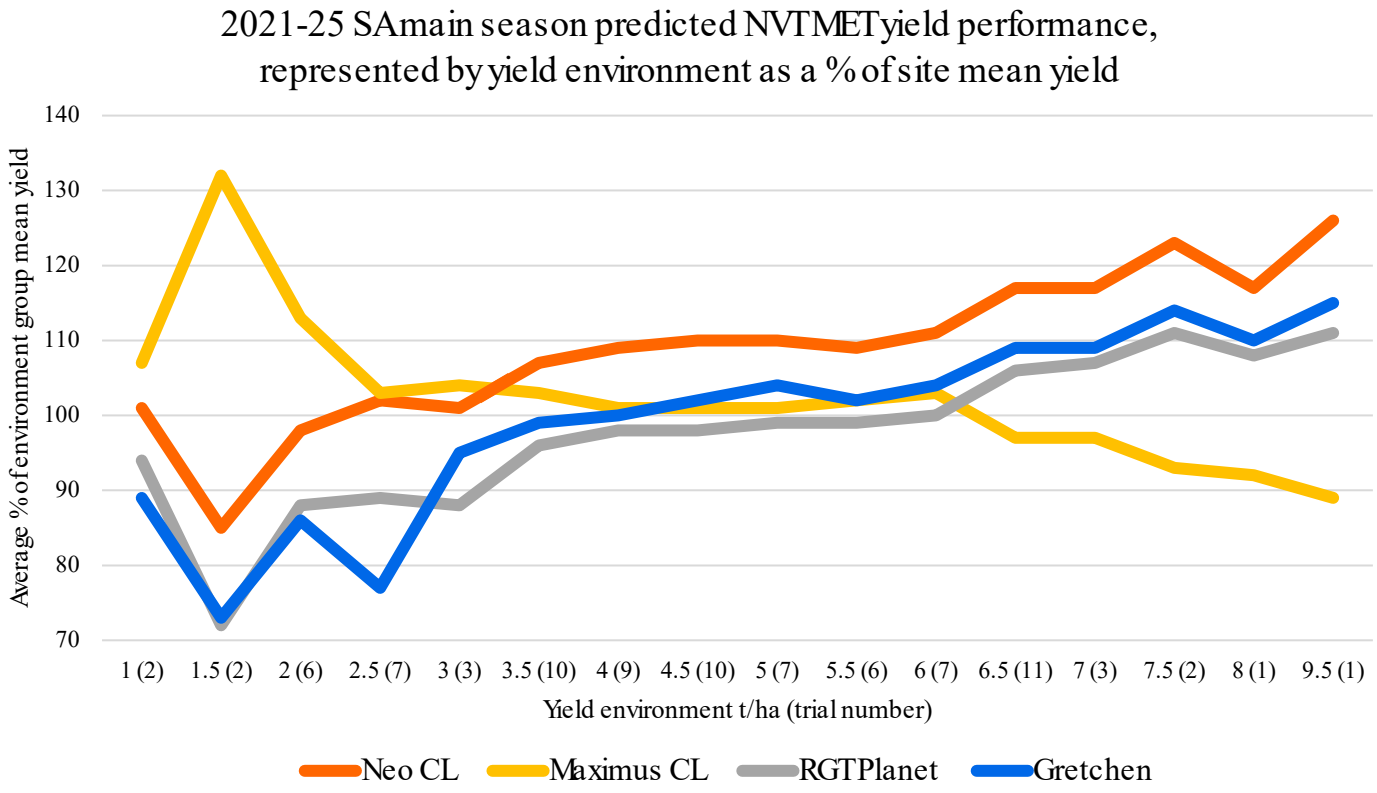
Good disease resistance profile

Strong lodging tolerance & low head loss risk

Plant features	NeoΦ CL	MaximusΦ CL	RGT PlanetΦ	GretchenΦ
Classification	Malt	Malt	Malt	Feed
Maturity	Mid	Quick-mid	Mid	Mid-slow
Early growth habit	Semi-prostrate	Erect	Semi-prostrate	Semi-prostrate
Coleoptile length	Medium	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	Fair	Good
Rachilla hair length	Short	Long	Short	-

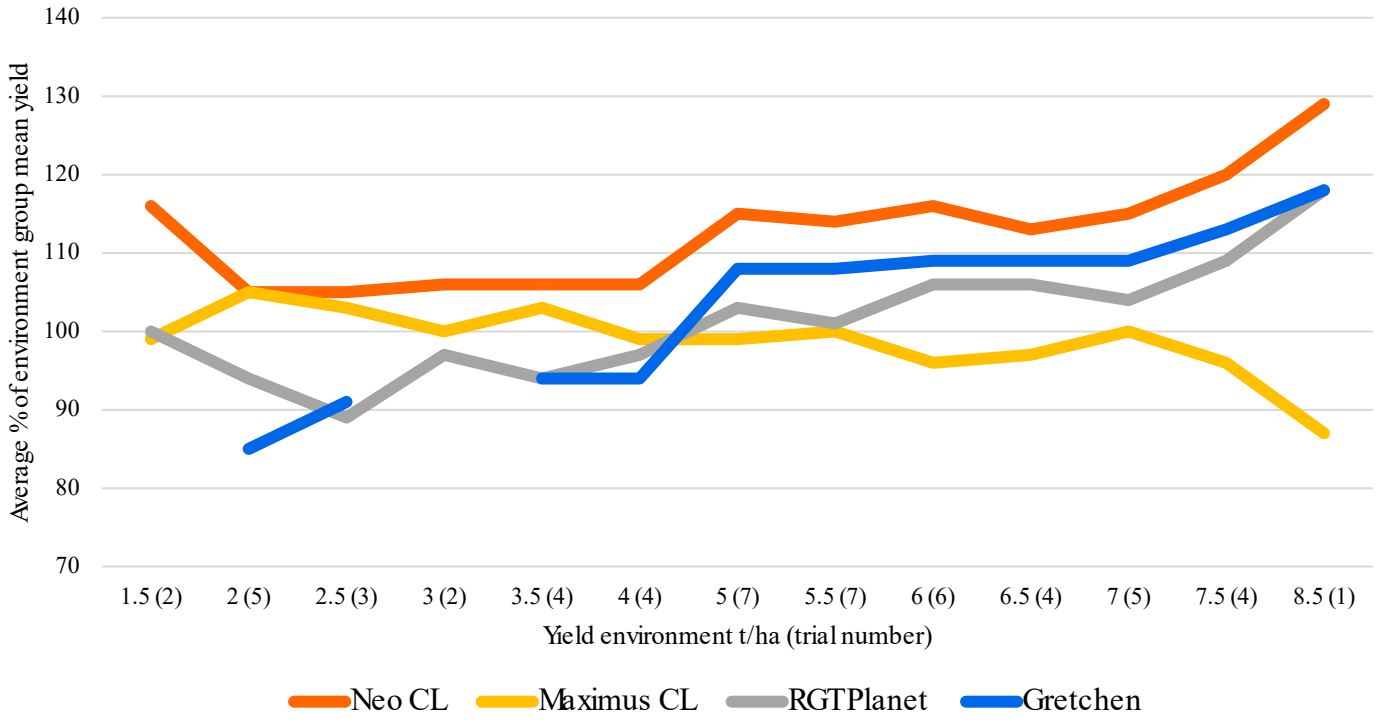
Plant features source: 2025 SA/Vic Crop Sowing Guides and InterGrain barley breeding

Yield performance – South Australia



Data accessed from GRDC NVT 01/04/2026

Yield performance – Victoria



Data accessed from GRDC NVT 01/04/2026

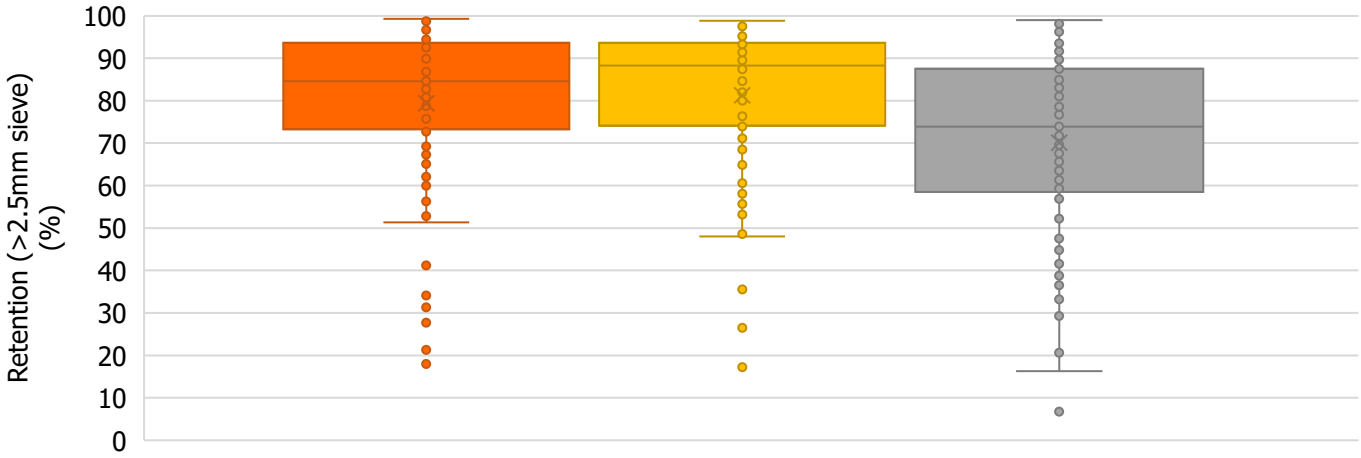
Disease

		Neo CL	Maximus CL	RGT Planet	Gretchen
Leaf rust	SA	MSS	S	MS	S
	Vic	SVS	S	MRMS	S
Powdery mildew		RMR	S	RMR	RMR
Spot form net blotch	SA	MR	MS	SVS	S
	Vic	MR	MS	SVS	S
Net form net blotch	SA	MSS	MS	SVS	SVS
	Vic	MSS	MRMS	SVS	MS
CCN		R	R	R	R
Scald	SA	S	S	MSS	MSS
	Vic	S	SVS	SVS	MRMS

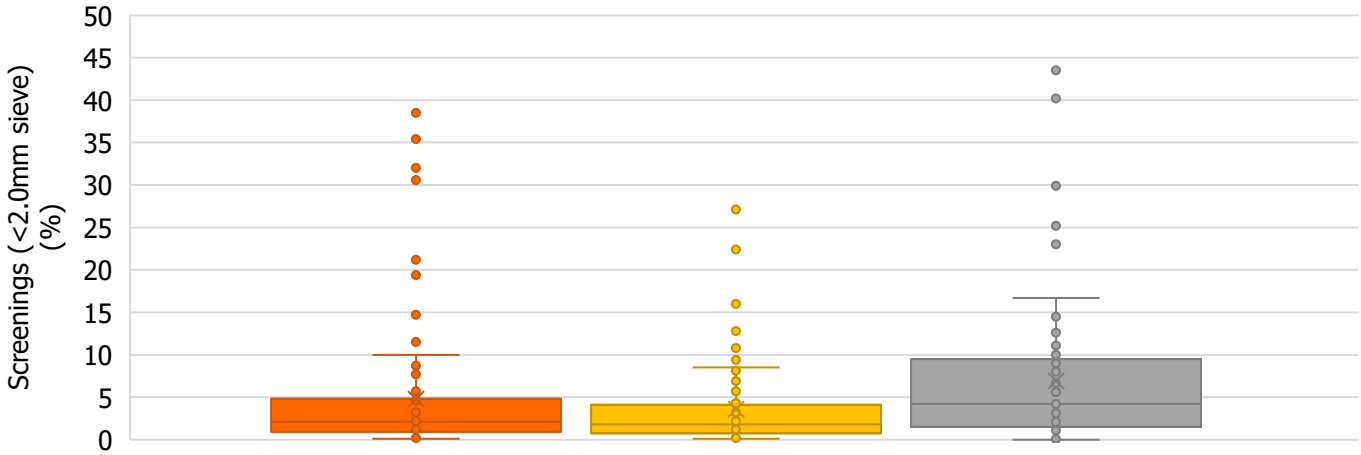
Source: 2025 NVT Pathology consensus disease ratings. p = Provisional ratings, - = show a range of reaction responses
R = Resistant, RMR = Resistant to Moderately Resistant, MR = Moderately Resistant, MRMS = Moderately Resistant to Moderately Susceptible, MS = Moderately Susceptible, MSS = Moderately Susceptible to Susceptible, S = Susceptible, SVS = Susceptible to Very Susceptible, VS = Very Susceptible

Grain quality

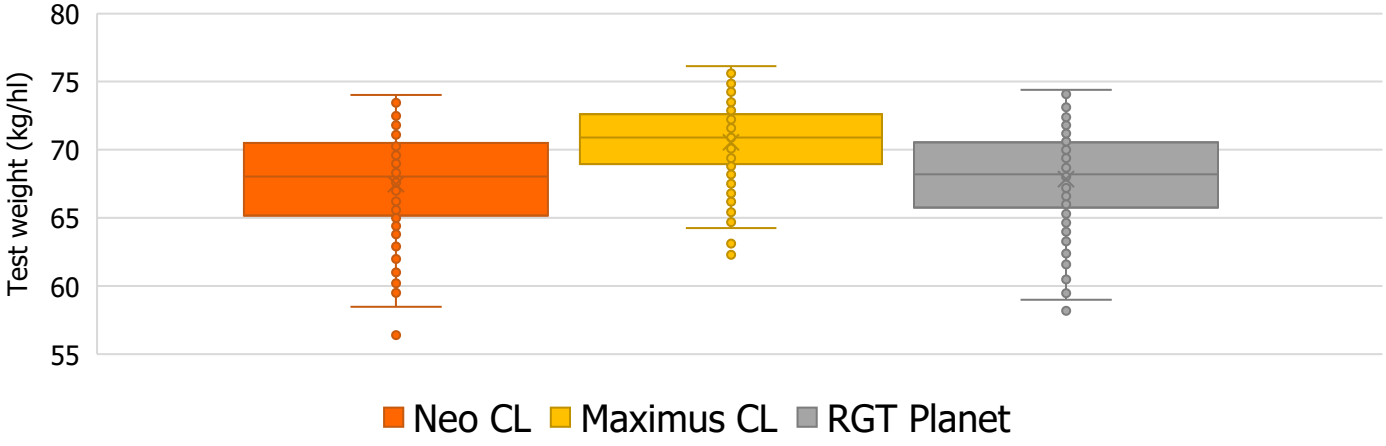
2023-2025 National NVT main season barley **retention** (%)
Data accessed 13/07/26 from 99 trials



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



Gretchen[ᵸ] was only included in 2025 trials, so it has been omitted from the grain quality data to allow comparisons across multiple seasons.

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: 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™