

Tomahawk CL Plus[®]



- 'Scepter[Ⓛ]' type Clearfield[®] variety with increased yields over Scepter[Ⓛ]
- The highest yielding Clearfield[®] wheat variety across SA/Vic
- Tolerant to Clearfield[®] Intervix[®] herbicide
- Similar disease resistance profile as Scepter[Ⓛ]
- Similar grain size and test weight as Scepter[Ⓛ]
- Mid-season maturity, similar to Scepter[Ⓛ]
- Good sprouting tolerance, similar to Scepter[Ⓛ]
- APW quality classification

Breeder's comments

Tomahawk CL Plus^ϕ (tested as RAC3261) is very closely related to popular variety Scepter^ϕ, and offers all the benefits of Scepter^ϕ along with Clearfield[®] tolerance.

Tomahawk CL Plus^ϕ has bridged the yield gap between conventional and Clearfield[®] wheat varieties, delivering yields slightly above Scepter^ϕ. Not only does Tomahawk CL Plus^ϕ offer higher yields, it has similar disease resistance, physical grain quality, adaptation and maturity as Scepter^ϕ.

This combination of traits make Tomahawk CL Plus^ϕ a great variety choice for growers who are looking to maximise their production, as well as giving them the option to use Clearfield[®] Intervix[®] technology to control certain grass and broadleaf weeds, or managing Clearfield[®] Intervix[®] soil residues from a previous crop.

Seed availability

Commercial quantities of Tomahawk CL Plus^ϕ may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Seed of Tomahawk CL Plus^ϕ can not be legally traded between growers. The sale or trade of seed of Tomahawk CL Plus^ϕ 'farmer to farmer' is an infringement of Australian Law under the Plant Breeders Rights ACT of 1994.

PBR and EPR

Tomahawk CL Plus^ϕ is protected by Plant Breeders Rights (PBR) (denoted by the ^ϕ symbol) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Tomahawk CL Plus^ϕ growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$4.15/tonne* + GST must be paid on all production other than seed saved for planting. (*\$3.60/tonne AGT breeder royalty, \$0.55/tonne BASF technical fee).

Clearfield® system

Tomahawk CL Plus[®] has been specifically developed to carry two genes for tolerance to Clearfield® Intervix® herbicide. Intervix® is a member of the imidazolinone chemical family with Group 2 (formerly Group B) mode of action, offering one-pass post-emergent knockdown and residual control of many major grass and broadleaf weeds. Intervix® herbicide is available via the Clearfield® Agricentre Agency system, administered by BASF.

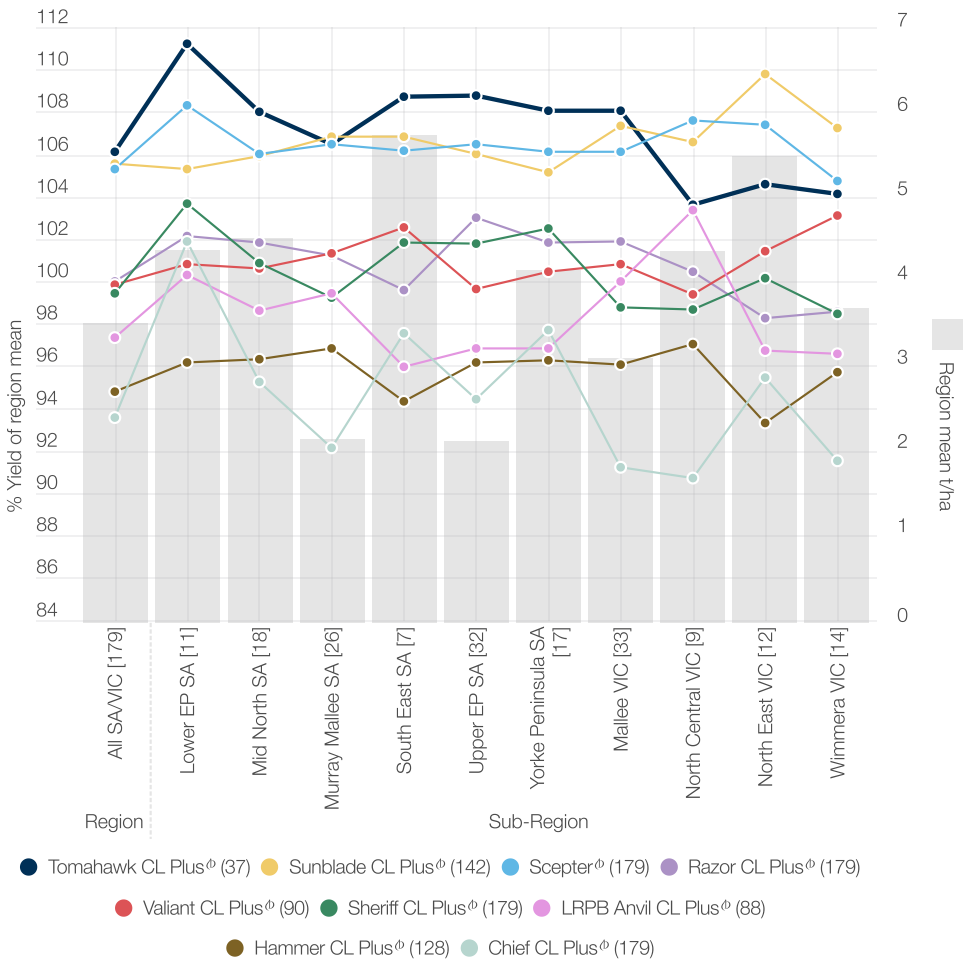
For more information visit www.agro.basf.com.au or Toll Free 1800 558 399.

Grain yield

NVT long term yield predictions show that Tomahawk CL Plus[®] is the highest yielding Clearfield[®] wheat variety on average across South Australia and Victoria, outyielding all other Clearfield[®] varieties in most regions (Figure 1).

In long term AGT testing across southern and western Australia, Tomahawk CL Plus[®] has outyielded Scepter[®] by 1.5% on average (Figure 2).

Figure 1. Predicted grain yield of Tomahawk CL Plus[®] versus comparators – NVT data

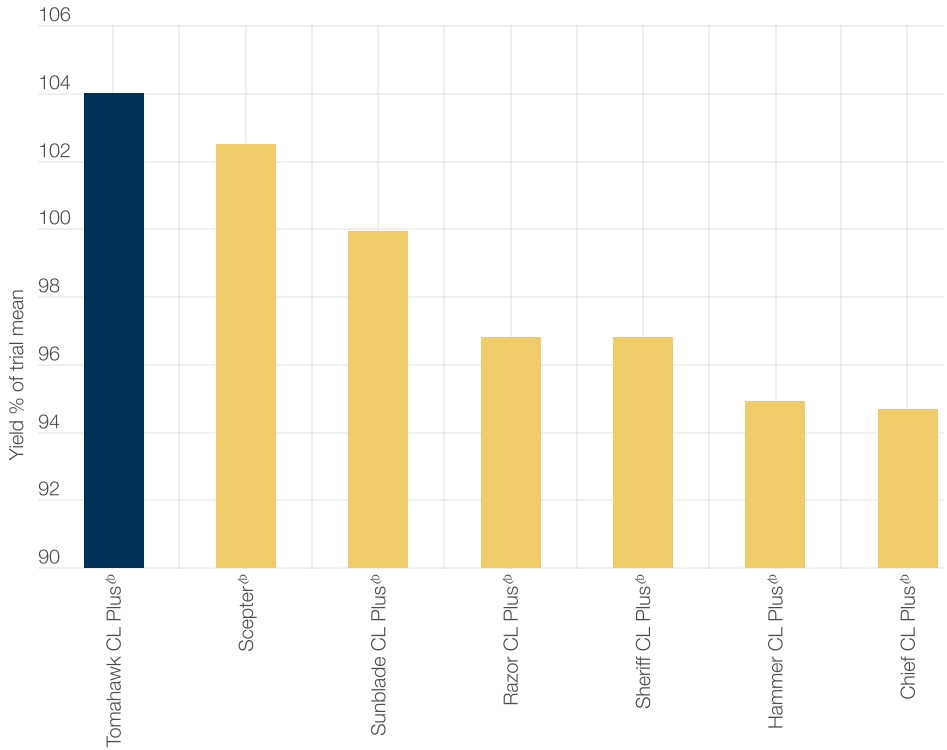


Source: NVT long term MET analysis, main season trial series 2018-2022

[] Total number of trials per region

() Number of trials that each variety was present in across the SA/VIC dataset [179]

Figure 2. Grain yield of Tomahawk CL Plus[®] versus comparators – AGT data

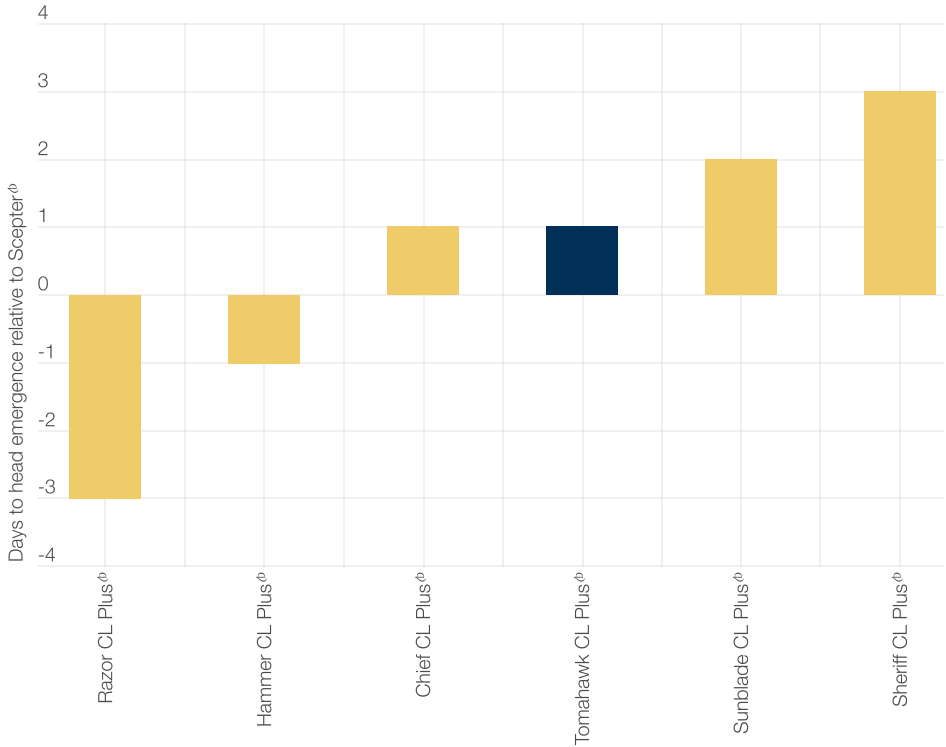


Source: AGT long term MET yield analysis 2018-2022 (88 trials across southern and Western Australia)

Maturity

Tomahawk CL Plus[®] is a mid-season maturing variety, being around one day slower to reach heading than widely adopted variety Scepter[®].

Figure 3. Days to head emergence of Tomahawk CL Plus[®] relative to comparators



Source: AGT trials, average of 5 sites, 2022

Physical grain quality

Tomahawk CL Plus[®] has an APW quality classification in SA/Vic, and produces grain with good size and test weight, similar to Scepter[®].

Figure 4. Test weight of Tomahawk CL Plus[®] versus comparators

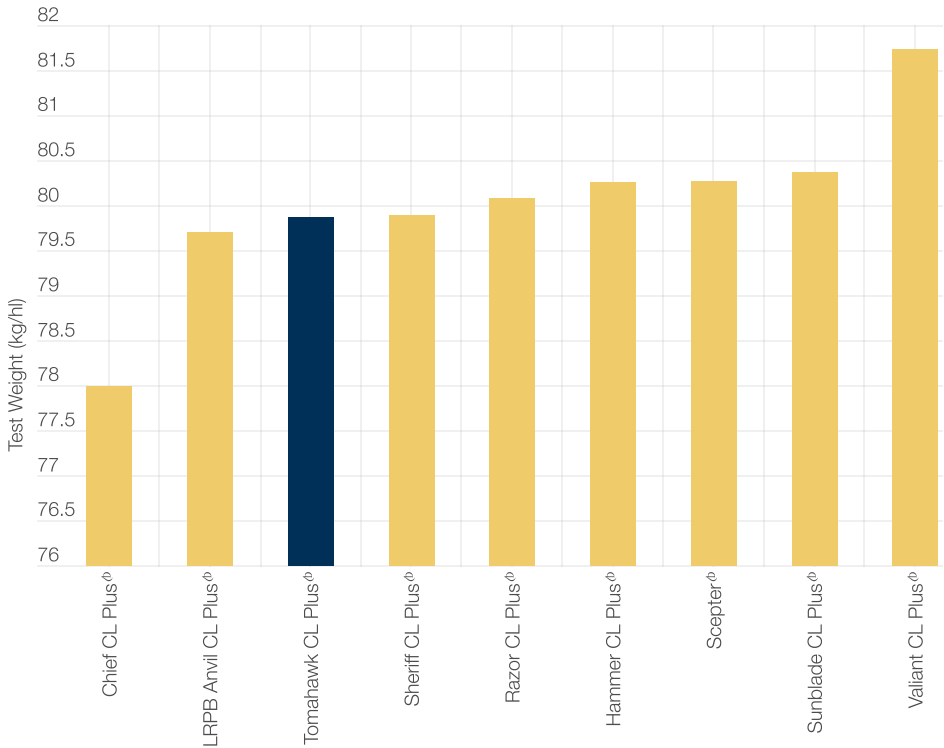
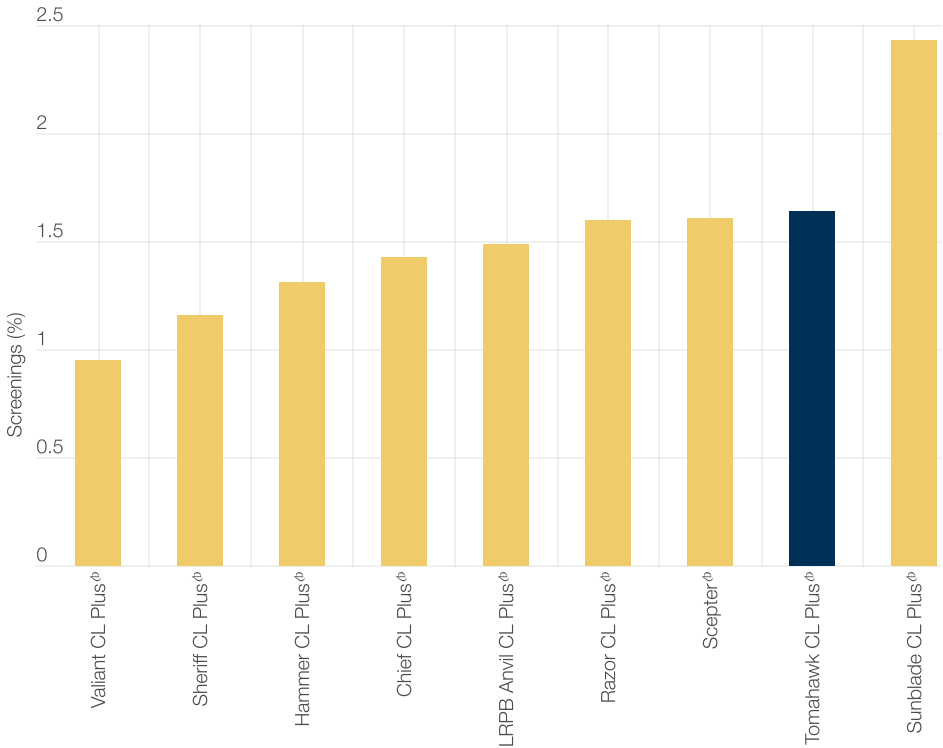


Figure 5. Screenings of Tomahawk CL Plus[®] versus comparators



Source: NVT main season trial series 2022 SA/VIC, average of 36 sites

Disease resistance and agronomics

Tomahawk CL Plus[®] offers a similar disease resistance package as Scepter[®], and with good CCN and yellow leaf spot resistance, lends itself to use in a wheat-on-wheat rotation.

Table 1. Variety comparisons

	Tomahawk CL Plus [®]	Chief CL Plus [®]	Hammer CL Plus [®]	LRBP Anvil CL Plus [®]	Razor CL Plus [®]	Scepter [®]	Sheriff CL Plus [®]	Sunblade CL Plus [®]	Valiant CL Plus [®]
Quality Classification	APW	APW	AH	AH	ASW	AH	APW	AH	AH
Stem Rust	MR*	MR	MR	MR	MRMS	MRMS	MS	MS	MR
Stripe Rust	MSS*	SVS	MS	S	MS	MSS	S	MRMS	MSS
Leaf Rust	S*	MR	S	SVS	S	MSS	SVS	MSS	S
CCN	MRMS*	MS	MRMS	MRMS	MR	MRMS	MS	MSS	MSS*
Yellow Leaf Spot	MRMS*	MRMS	MRMS	MSS	MSS	MRMS	MRMS	MSS	MRMS
Black Point	MS*	MS	MRMS	S*	MS	MS	MS	MRMS	MS*
Septoria tritici Blotch	S*	S	MSS	VS	SVS	S	S	S	MSS
Powdery Mildew	SVS	SVS	S	VS	S	SVS	SVS	SVS	VS
Sprouting Tolerance	MII	I	I	IVI	I	MII	I	IVI	IVI

R Resistant

MR Moderately Resistant

MS Moderately Susceptible

S Susceptible

VS Very Susceptible

T Tolerant

MT Moderately Tolerant

MI Moderately Intolerant

I Intolerant

VI Very Intolerant

* Provisional rating

Source: NVT consensus ratings 2022, DPIRD and AGT data



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Disclaimer: The information contained in this brochure is based on knowledge and understanding at the time of writing. Growers should be aware of the need to regularly consult with their advisors on local conditions and currency of information.