

Tomahawk CL Plus[®]



Variety snapshot

- 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, very similar to Scepter[Ⓟ]
- APW quality classification

Breeder's comments

Tomahawk CL Plus[®] is very closely related to popular variety Scepter[®], and offers all the benefits of Scepter[®] along with Clearfield[®] tolerance.

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

This combination of traits make Tomahawk CL Plus[®] 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.

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 crop-solutions.basf.com.au/products/intervix or Toll Free 1800 558 399.

Tomahawk CL Plus[Ⓟ]

Table 1. Specifications

Background

Tested as	RAC3261
Released	2023
EPR rate	\$4.15/tonne + GST

Disease

Stem Rust resistance*	MR
Stripe Rust resistance*	MSS
Leaf Rust resistance*	S
Yellow Leaf Spot resistance*	MRMS
Powdery Mildew resistance*	SVS
Septoria Tritici Blotch resistance*	S (P)
CCN resistance*	MRMS (P)
Pratylenchus Neglectus resistance*	S
Pratylenchus Neglectus tolerance*	NA
Pratylenchus Thornei resistance*	MS
Pratylenchus Thornei tolerance*	TMT
Eyespot resistance*	S (P)
Crown Rot resistance*	S

Plant Characteristics

Maturity [^]	Mid
Maturity habit [^]	Spring
Sowing window [^]	Main & Late
Novel herbicide tolerance [^]	Clearfield® Plus (Intervix® herbicide)
Head type [^]	Awned

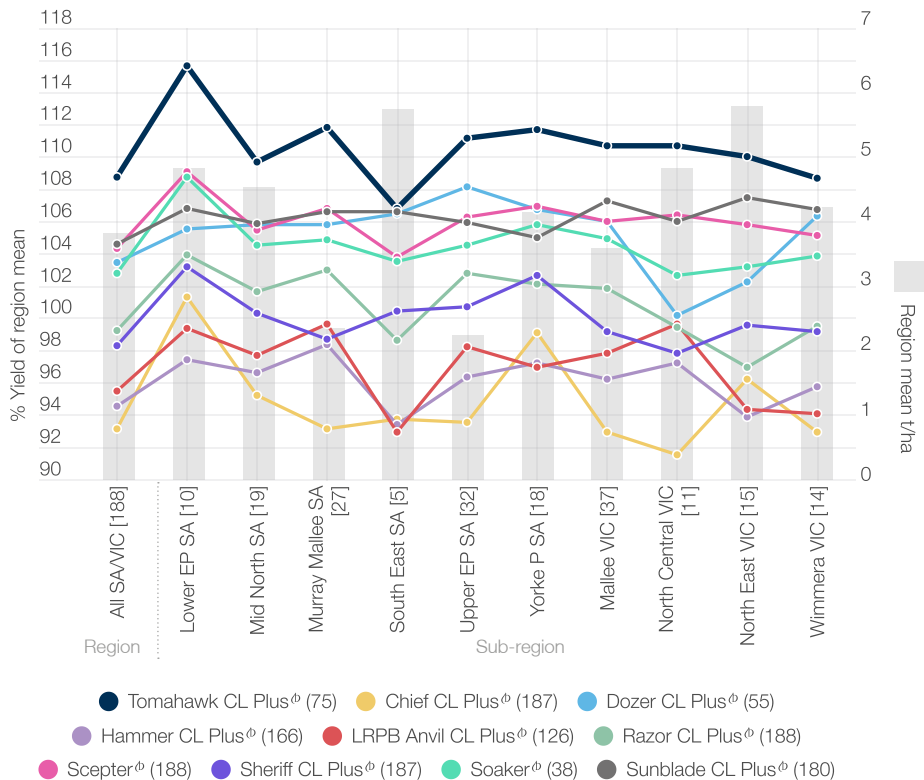
Grain Quality

Quality classification	APW
Grain colour [^]	White
Black Point resistance*	S (P)

Grain yield

Tomahawk CL Plus[®] has been the highest yielding Clearfield[®] wheat variety across all regions of SA and Victoria in the NVT main season trials (Figure 1).

Figure 1. Predicted grain yield of Tomahawk CL Plus[®] versus comparators across SA/Vic regions



Source: NVT long term MET analysis, main season trial series 2019-2023

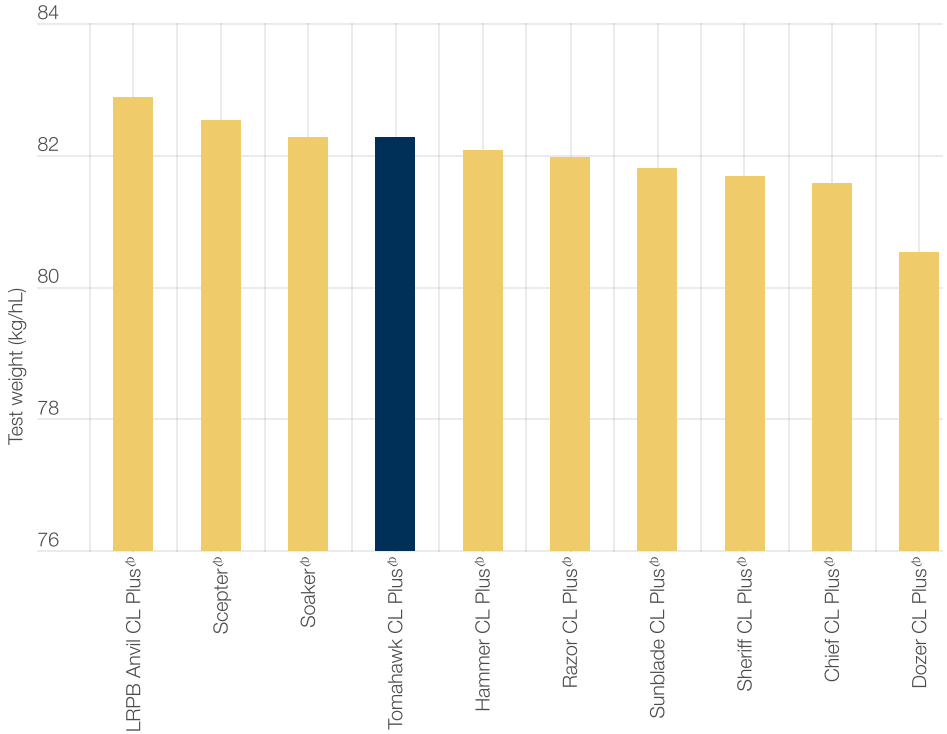
[]: Total number of trials per region

(): Number of trials that each variety was present in across the dataset

Grain quality

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

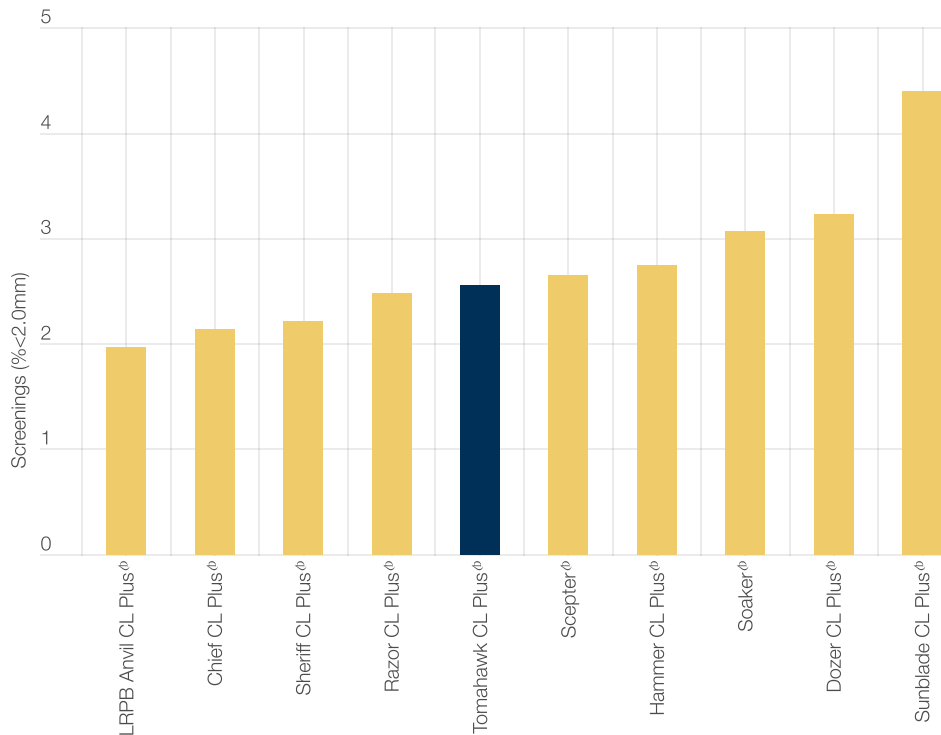
Figure 2. Test weight of Tomahawk CL Plus[®] versus comparators



Source: NVT main season trial series 2023, average of 39 sites in SA/Vic where all varieties were present

Grain quality

Figure 3. Screenings of Tomahawk CL Plus[®] versus comparators



Source: NVT main season trial series 2023, average of 39 sites in SA/Vic where all varieties were present

Disease

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 2. Variety comparisons

	Tomahawk CL Plus [®]	Chief CL Plus [®]	Dozer CL Plus [®]	Hammer CL Plus [®]	LRPB Anvil CL Plus [®]	Razor CL Plus [®]	Scepter [®]	Sheriff CL Plus [®]	Soaker [®]	Sunblade CL Plus [®]
Quality Classification	APW	APW	APW	AH	AH	ASW	AH	APW	APW	AH
Maturity [^]	Mid	Mid	Quick-mid	Quick-mid	Quick	Quick	Mid	Mid-slow	Mid	Mid
Stem Rust resistance*	MR	MR	MS	MR	MR	MRMS	MRMS	MS	MR (P)	MS
Stripe Rust resistance*	MSS	SVS	S	MS	S	MRMS	MSS	SVS	MS (P)	MRMS
Leaf Rust resistance*	S	MR	MSS	S	SVS	S	MSS	SVS	S (P)	MSS
Yellow Leaf Spot resistance*	MRMS	MRMS	MS	MRMS	MSS	MSS	MRMS	MRMS	MS (P)	MSS
Powdery Mildew resistance*	SVS	SVS	S	S	SVS	MSS	SVS	SVS	S (P)	S
Septoria Tritici Blotch resistance*	S (P)	S	S (P)	MSS	VS	SVS	S	S	S (P)	S
CCN resistance*	MRMS (P)	MS	MS (P)	MRMS	MS	MR	MRMS	MS	NA	MSS
Pratylenchus Neglectus resistance*	S	MRMS	MRMS	MSS	MSS	S	S	MRMS	NA	MSS
Pratylenchus Neglectus tolerance*	NA	MT	NA	MTMI	MII	MT	MTMI	MTMI	NA	MI
Crown Rot resistance*	S	MSS	S	MSS	MSS	S	MSS	S	NA	S
Black Point resistance*	S (P)	MS	MRMS (P)	MRMS	S	MS	MS	MS	NA	MRMS

Legend

R	Resistant	MI	Moderately Intolerant	,	Mixed phenotype
MR	Moderately Resistant	I	Intolerant	#	May be more susceptible to alternate pathotypes
MS	Moderately Susceptible	VI	Very Intolerant	*	NVT consensus ratings 2024
S	Susceptible	(P)	Provisional rating	^	AGT ratings/data interpretation
VS	Very Susceptible	NA	Not Available		
T	Tolerant	/	Pathotype differences		
MT	Moderately Tolerant	-	Range		



Seed Availability

Please contact an AGT Affiliate or your local retailer for seed. Consult the AGT website for AGT Affiliate contact details (agtbreeding.com.au/sourcing-seed/agt-affiliates).

PRB and EPR

Varieties denoted by the [®] symbol are protected by Plant Breeders Rights (PBR) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Growers of PBR protected varieties will be subject to a Grower License Agreement that acknowledges that an EPR must be paid on all production other than seed saved for planting.

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agtbreeding.com.au

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