

Technote 2024

Wheat

LongReach

SOAKER



APW

Description

Soaker is a NEW approach to IMI systems management in the wheat phase.

Soaker is a “Scepter type” with the addition of one IMI tolerance gene to shield the crop from IMI residual carry over after IMI break crops such as Lentils, Beans and Canola in the previous year.

Soaker has shown slightly higher yield than Scepter and shows the same yield stability as Scepter, with similar mid maturity, disease and growth habit .

Soaker is available to be farmer to farmer traded to allow ease of access in seasons with higher IMI carryover risk years. LongReach Soaker has an APW classification in the Southern Zone (SA/Vic).

Variety Background

Grains Innovation Australia (GIA) have combined forces with LongReach in an “Innovative Wheat Program” to develop NEW IMI products for growers. GIA have derived Soaker from Scepter with 1xIMI tolerance gene being selected in field herbicide screens without crossing to existing varieties. LongReach have tested Soaker widely since 2019 and have entered it into NVT in 2023.

An erect plant type, good tillering and medium-tall plant height, Soaker looks very similar to Scepter throughout the growing season. Mid maturity that is slightly later (1-2 days) than Scepter and has a Boron Tolerance and Aluminium tolerance genes. Soaker has been confirmed to have 1xIMI tolerance gene in LongReach field screens. Disease profile is comparable to Scepter with a base level of Leaf rust (MSS), Stripe rust (MSS) and good level of Stem rust (MRMS) resistance. Good resistance to Yellow Spot (MRMS), but like Scepter is Susceptible to Septoria tritici (S) and Powdery Mildew (SVS). CCN resistance (MSp) is at the intermediate level and based on the same Cre5 gene that Scepter has. Grain traits are robust like Scepter.

South Australia

Attributes

Stem Rust	MRMS
Leaf Rust	MSS
Stripe Rust	MSS
Yellow Spot	MRMS
Septoria Tritici	S
Powdery Mildew	SVS
CCN Resistance	MSp
Black Point	MSp
EPR rate	\$3.50 (GST exc.)
Farmer to Farmer Trade	Allowed
Classification	APW (SA/Vic)

Ratings based on LongReach disease data 14th March 2024.
p= Preliminary.



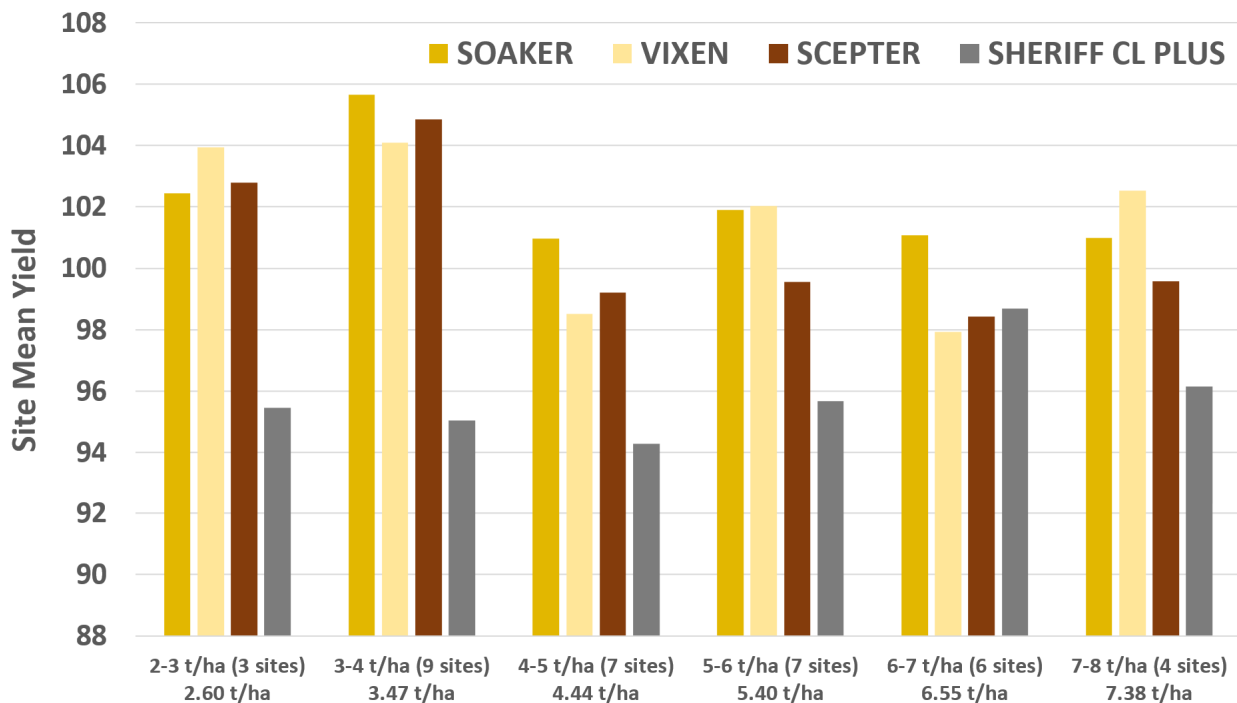
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Yield Performance and Residual IMI Management

Soaker stands out with high yield slightly above Scepter (2%) in long term LongReach trials with its mid maturity being suited to a range of rainfall zones and seasons. Soaker tracks Scepter yield adaptation and is significantly higher yielding than Sherriff CL Plus. Soaker should be strategically targeted as the rotation product to reduce the risk of IMI residues in the wheat phase with its high yield and added security of 1xIMI gene. With the rapid expansion of Lentils in particular, a residual specialist helps preserve IMI chemistry for the pulse phase while protecting wheat yield. Soaker is not recommended to be sprayed with IMI herbicides as “CL Plus” varieties like Anvil CL Plus have better tolerance to in crop application.

LongReach SA/Vic MET Predicted Yield for 36 sites as Yield Ranges (2020-23)



For 2024 seed availability contact AG Schilling & Co, the exclusive LongReach Seed Grower for Soaker and for more information download the Soaker AgroPack: <https://www.longreachpb.com.au/products/>



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