

Technote 2023

Wheat



MOWHAWK

Australian Hard (AH)

Description

LongReach Mowhawk, a NEW Quick Winter variety with similar growth habit and maturity to Longsword. Mowhawk has broad general adaption and is ideally suited to higher production areas and early-break scenarios. Mowhawk is quicker to heading and 10-15% higher yielding than the current benchmark winter variety, Illabo. It has a sowing window from late March through to late April (Optimal sowing date, before Anzac Day), in the Medium-High rainfall areas of WA. Mowhawk has an excellent all-round disease package, good diverse soil tolerances and an acceptable grain package. Mowhawk currently has a final AH classification in WA.

Variety Background

Mowhawk (Scepter/GX1438-04(DM02-25-SB02-167/2*Mace) was developed by Kevin Young, GXE Crop Research, and LongReach Plant Breeders. Mowhawk is well suited to WA with good abiotic stress tolerance to both Boron and Acid/Aluminium toxicity from this broadly adapted parental material. First entered into LongReach yield trials in 2019 and WA NVT trials in 2022.

Mowhawk (LPB19-14343) is a unique "Quick Winter" type that fits between Illabo and Longsword in maturity that has shown to be well suited to warmer environments like WA. Tends to move closer to Longsword maturity further South, and slower towards Illabo maturity in the more Northern areas of the wheat belt. Mowhawk shows potential to be used as dual-purpose variety with the option of being grazed earlier in the growing season, suiting the mixed farming practices of Central-South to South Western coast in particular. Mowhawk has an excellent overall disease package, with broad resistance to all 3 rusts as well as good resistance to Yellow Leaf Spot (MRMSp) and Powdery Mildew (RMRp).

Western Australia

Attributes

Stem Rust (Sr)	RMRp
Leaf Rust (Lr)	MRp
Stripe Rust (Yr)	RMRpWA
Yellow Spot (Yls)	MRMSp
Powdery Mildew (PM)	RMRpWA*
Boron	MT
Aluminium	MT
Acidity	MT-MI
EPR rate	\$4.00 (GST exc.)
Farmer to Farmer Trade	Allowed
Classification	AH

*Preliminary ratings based on NVT ratings and *Powdery Mildew rating from LongReach disease pathologist screens, 13th Feb 2023.*



Early NVT trial, Hyden 2022, Kinsei (Left), Mowhawk (Middle), Magenta (right), showing the maturity difference of a "Quick Winter" against other Mid-slow springs.

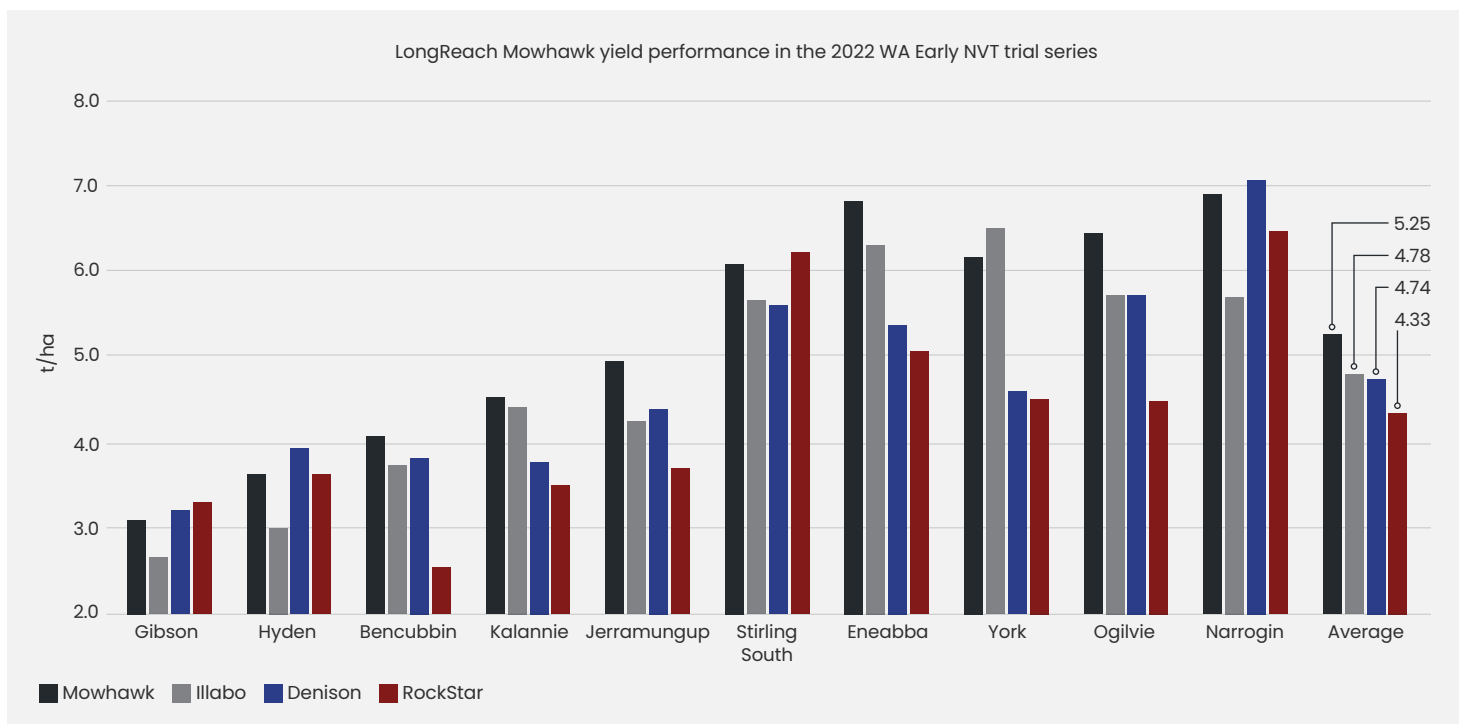
Technote 2023

Wheat

Yield Performance

In the 2022 Early NVT trials, Mowhawk was the highest yielding of the quick winter types showing stable yields across ten trials. On average Mowhawk outperformed Illabo (10%), Denison (11%) and Mid-slow RockStar (20%) (1 Year Early NVT data). While Mowhawk's yield sweet spot is in the 3.5 t/ha plus environments it has shown it can still finish well in tougher environments. Mowhawk has shown it delivers stable yields in these early break trials when compared to Illabo and more commonly grown mid to slow spring varieties.

A high yielding well adapted "Quick Winter" wheat available for 2023 planting



Contact: Seed Associates

Bill Sharp, Multiseed Productions, Email: multiseed@westnet.com.au, Mob: 0428 711 375

Shane Starling, EDSCO (Eastern Districts Seed Cleaning Co), Email: edsco@wn.com.au, Mob: 08 9045 4539

Chris Martin, Australian Seed and Grain P/L, Email: sales@austseedgrain.com.au, Tel: 08 9651 1069.

The information provided in this publication is intended as a guide only. LongReach Plant Breeders Management Pty Ltd (including its officers, employees, contractors and agents) ('LongReach') cannot guarantee that every statement is without flaw of any kind. While LongReach has taken all due care to ensure that the information provided is accurate at the time of publication, various factors, including planting times and environmental conditions may alter the characteristics and performance from plants. LongReach shall not be liable for any errors or omissions in the information or for any loss, injury, damage or other consequence whatsoever that you or any person might incur as a result of your use of or reliance upon the products (whether LongReach products or otherwise) and information which appear in this publication. To the maximum extent permitted by law, the liability of LongReach for any claim whatsoever arising out of the supply or use of or reliance upon the products and information in this publication (including liability for breach of any condition or warranty implied by the Trade Practices Act 1974 or any other law) is limited at its discretion, to the replacement of the products, the supply of equivalent products or the resupply of the publication. For application to specific conditions, seek further advice from a local professional. © LongReach 2023