

Denison[®]



- Unique 'slow-very slow' spring maturity
- Best suited to mid to late April sowings in most regions
- Highly competitive yield when sown early
- Wide adaptation
- APW quality classification

Breeder's comments

We have had great success working with a germplasm pool that heavily features the famous variety Wyalkatchem^ϕ, delivering Mace^ϕ, and then Scepter^ϕ to growers. Through the success of these landmark varieties, we have been able to increase our investment into breeding, with the intention to round out our portfolio of varieties to provide an offering for all unique wheat growing regions and use patterns in Australia.

Denison^ϕ (tested as WAGT734) has emerged out of a Mace^ϕ cross, and caught our attention with its very unique maturity relative to other commonly grown varieties. Up until now, there has been a gap in suitable wheat varieties for the sowing opportunity between early April (winter wheats) and late April/early May (mid-slow spring wheats) in most regions of SA and Victoria.

Denison^ϕ is a slow-very slow spring wheat, a maturity that is very uncommon, but fits the sowing window of mid to late April that traditionally has been uncatered for. Although the mid to late April planting opportunity may only account for a small percentage of the total sowing program, we are very proud to offer a well-adapted and suitable variety for this purpose.

Denison^ϕ also offers good physical grain quality and has an APW quality classification in SA/Victoria.

Seed availability

Commercial quantities of Denison^ϕ may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Denison^ϕ can be traded between growers upon the completion of a License Agreement as part of AGT's Seed Sharing™ initiative.

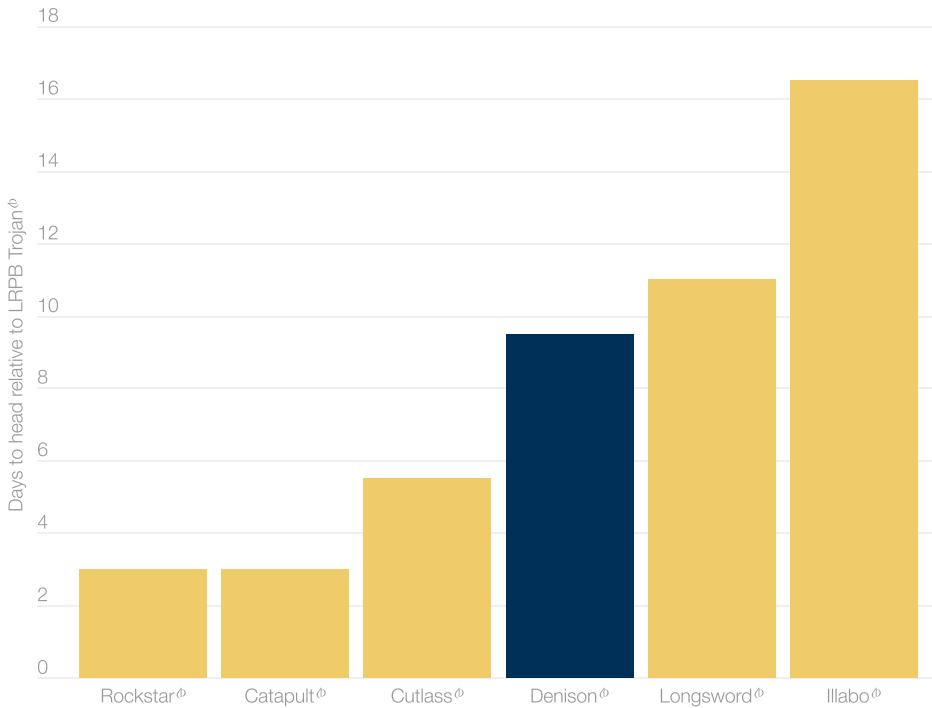
PBR and EPR

Denison^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. Denison^ϕ growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.40/tonne + GST must be paid on all production other than seed saved for planting.

Maturity & sowing window

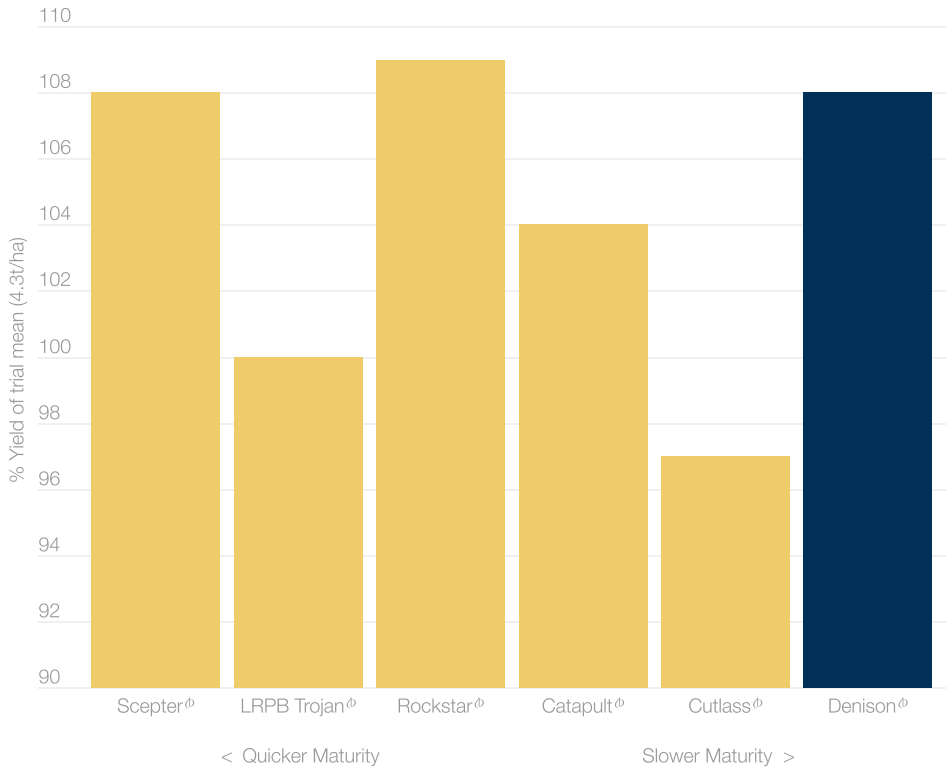
Denison[®] is slow-very slow variety, a maturity that is very uncommon amongst varieties adapted to most regions of SA and Victoria. While Denison[®] has a wide and flexible sowing window, it may be best suited to mid to late April sowing, filling the gap between the use of winter wheats (early April) and mid-slow maturing spring varieties (late April/early May) (Figure 1).

Figure 1. Head emergence of Denison[®] and comparator varieties relative to LRPB Trojan[®], when sown in AGT early trials



Source: AGT early sown trial 2020 & 2021, Roseworthy SA

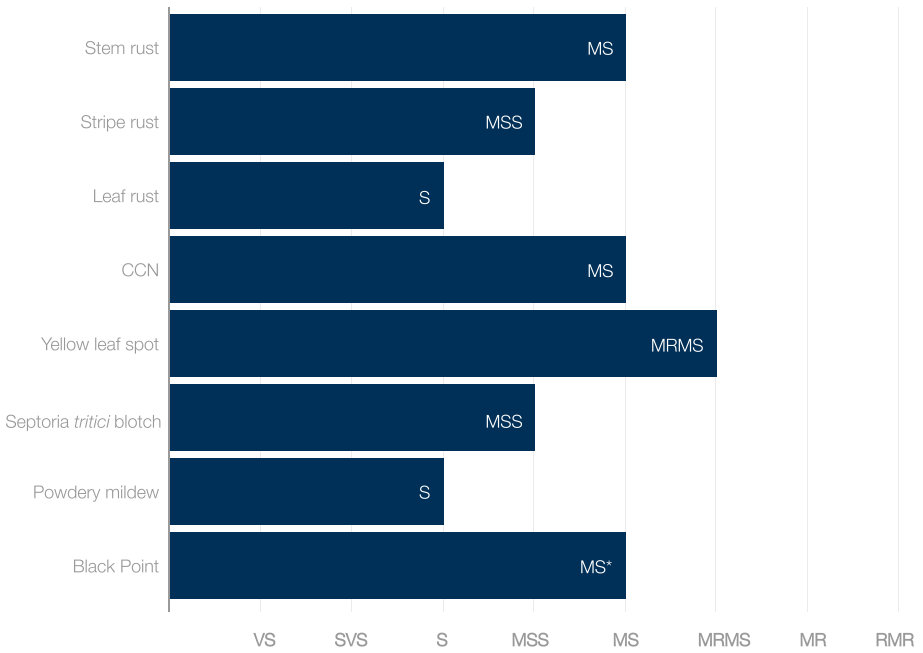
Figure 3. Grain yield of Denison^ϕ and comparator varieties – NVT main series data 2021



Source: NVT main trial series 2021 [10 trials across Mid North, Lower EP and Yorke Peninsula SA].

Disease resistance

Figure 4. Disease resistance ratings for Denison[®]



R Resistant
MR Moderately Resistant
MS Moderately Susceptible
S Susceptible

VS Very Susceptible

Source: NVT consensus ratings 2021 and AGT

*Provisional rating



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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.