

# Sunprime<sup>®</sup>



- APH quality classification
- Early-mid maturing, similar to Spitfire<sup>Ⓢ</sup>, Sunmate<sup>Ⓢ</sup> and Mustang<sup>Ⓢ</sup>
- Highest yielding APH variety in this maturity group
- Ability to maintain yield under tough conditions
- Good RLN tolerance (*P.thornei*)
- Medium plant height

## Breeder's comments

Sunprime<sup>®</sup> (tested as SUN803U) is a relatively fast maturing APH spring wheat that gives growers the opportunity to plant later in the main season sowing window. Late planting circumstances aren't always ideal and consequently having a variety that can consistently achieve high yields and maintain good grain quality when sown late is of great benefit.

We view Sunprime<sup>®</sup> as a great alternative to popular variety Spitfire<sup>®</sup>. Long term NVT yield data predicts that Sunprime<sup>®</sup> may outperform Spitfire<sup>®</sup> by 6-10% across NSW and Queensland regions, while also displaying broad adaption across a range of conditions.

The early maturity of Sunprime<sup>®</sup> means it is very well suited to short season environments or where sowing is delayed, and where increased risk of heat stress and below average spring rainfall may limit the yield potential of slower maturing varieties. We believe that growers will have most success out of Sunprime<sup>®</sup> when it is planted from mid-May onwards.

In tough years soil borne diseases such as crown rot and RLN can be exacerbated resulting in increased yield loss. Sunprime<sup>®</sup> exhibits excellent tolerance to RLN (*P.thornei*) and useful levels of resistance to crown rot which help to reduce yield loss from these constraints.

Sunprime<sup>®</sup> has been named in honour of the 60th anniversary of Grain Growers Limited, acknowledging their contribution to the creation of the Australian Prime Hard (APH) wheat classification grade.

## Seed Availability

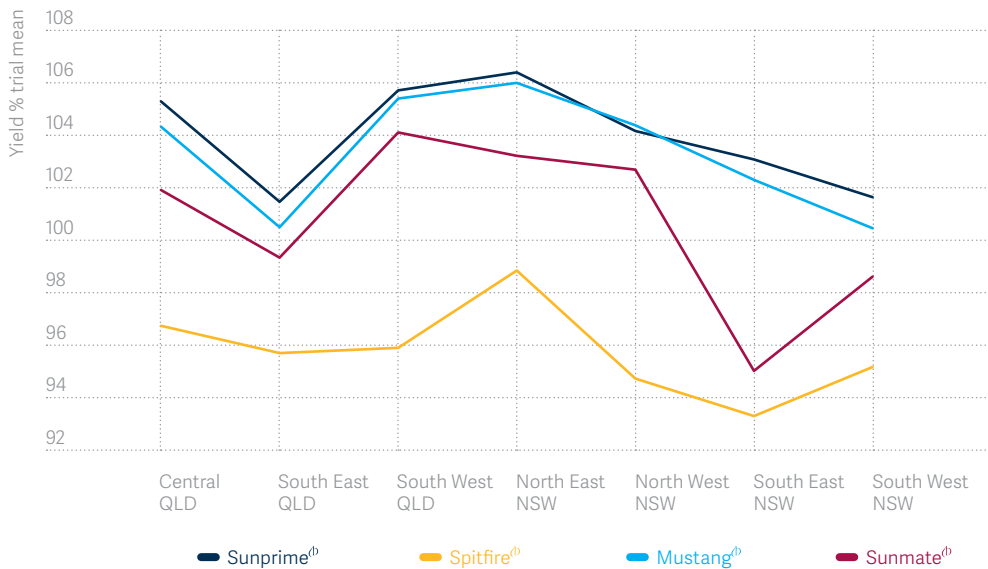
Commercial quantities of Sunprime<sup>®</sup> may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Sunprime<sup>®</sup> is able to be traded between growers upon the completion of a License Agreement as part of AGTs Seed Sharing™ initiative.

## PBR and EPR

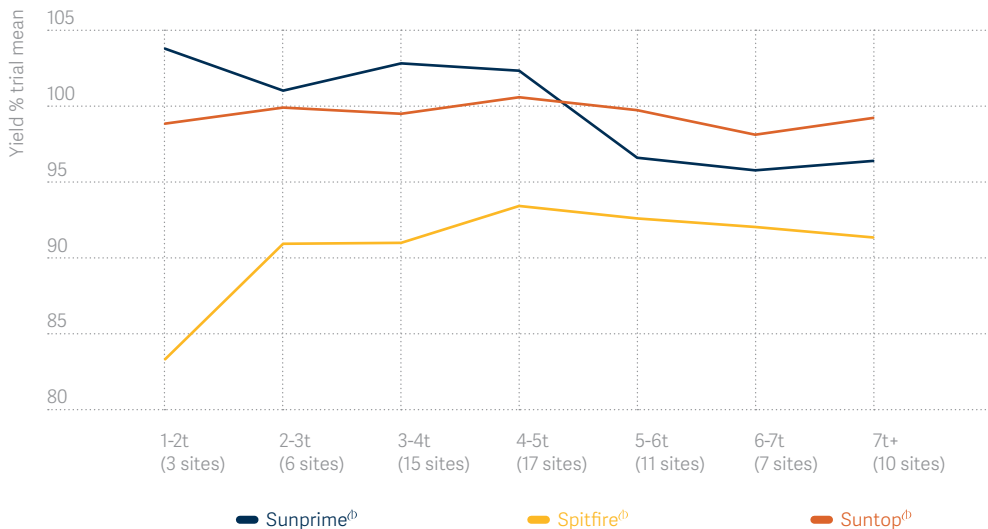
Sunprime<sup>®</sup> is protected by Plant Breeders Rights (PBR) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Sunprime<sup>®</sup> growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$3.50/tonne + GST has to be paid on all production other than seed saved for planting.



Predicted yield of Sunprime<sup>®</sup> versus control varieties: Main season NVT series  
 Grain yield as % of region average (NVT long term MET analysis 2013-2017)



Yield performance of Sunprime<sup>®</sup> versus control varieties across yield ranges: Main season AGT series  
 Grain yield as % of trial mean (AGT NSW/QLD sites 2015-2017)



## Disease and agronomic characteristics for Sunprime<sup>db</sup> and control varieties

	Sunprime <sup>db</sup>	Mustang <sup>db</sup>	Spitfire <sup>db</sup>	Sunmate <sup>db</sup>	Suntop <sup>db</sup>
Quality Northern Zone	APH	APH	APH	APH	APH
Quality South Eastern Zone	APH	APH	APH	AH	APH
Maturity	Early-mid	Early-mid	Early-mid	Early-mid	Mid
Crown Rot Resistance	MSS*	MSS*	MS	MSS	MSS
Leaf Rust	RMR*	MSS	MSS	MS	MRMS
Stem Rust	MRMS*	MRMS	MR	MRMS	MRMS
Stripe Rust	MR*	RMR	MR	MRMS	MRMS
Yellow Leaf Spot	MSS*	MSS	S	MSS	MSS
RLN <i>P. thornei</i> tolerance	MT*	MI*	MTMI	TMT	TMT
Black Point	MR*	MRMS	S	MR	MR
Lodging	MRMS	MR	MRMS	MR	MRMS
Acid Soils	MT*	-	MTMI	MTMI	MT

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 ratings,  
 to be used with caution

Source / NSW DPI Winter Crop  
 Variety Sowing Guide 2018,  
 NVT and AGT data.





Douglas Lush, Marketing Manager, northern NSW/QLD

0407 177 029

James Whiteley, Marketing Manager, southern NSW

0419 840 589

Meiqin Lu, Wheat Breeder

0428 856 612

End Point Royalty Office

(08) 7111 0201

[agtbreeding.com.au](http://agtbreeding.com.au)

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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.*