

Sunlamb[®]



- ✓ Late maturing spring wheat, suits early April planting
- ✓ Suitable for grazing and grain production
- ✓ Awnless
- ✓ Excellent leaf and stem rust resistance
- ✓ Very good yellow leaf spot resistance
- ✓ Excellent *Septoria tritici* blotch resistance
- ASW quality classification

Breeders comments

Dual purpose crops offer growers an opportunity to increase the profitability of their farm by achieving returns from both grazing and grain. By sowing earlier, with longer maturity varieties, the growing season is extended, making better use of soil moisture and helping to fill the 'feed gap' that is often experienced in late autumn/early winter.

Sunlamb is an awnless, long season spring wheat, differing from most other dual purpose varieties currently used like Wedgetail, Naparoo and Marombi, which are winter wheats (cold/vernalisation responsive). Sunlamb's slow maturity is achieved through a unique combination of photoperiod sensitivity and cold responsiveness. When sown in its optimum planting window (early to mid-April), Sunlamb has generally flowered at much the same time as Wedgetail, and a few days earlier than Naparoo.

The slow maturity of Sunlamb suits dual purpose grazing and grain production systems throughout central and southern NSW. Sunlamb produces similar total dry matter to Naparoo, whilst achieving similar grain recovery after grazing to Wedgetail. When grazing any wheat variety, care needs to be taken to ensure that stock are withdrawn from the crop before GS31 (first node) so that the developing heads are not damaged.

Seed Availability

Commercial quantities of Sunlamb may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details.

Sunlamb is able to be traded between growers upon the completion of a License Agreement as part of AGTs Seed Sharing™ initiative.

PBR and EPR

Sunlamb 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. Sunlamb growers will be subject to a Growers License Agreement that acknowledges that an EPR of \$2.75/tonne + GST has to be paid on all production other than seed saved for planting.



Predicted yield of Sunlamb versus control varieties: Long season NVT series

Grain yield as % of region average (NVT long term MET analysis 2012-2016)

	North East New South Wales	South East New South Wales
Sunlamb	98	98
EGA Wedgetail	93	100
Kittyhawk	103	98
Naparoo	87	96
RGT Accroc	93	114
SQP Revenue	84	102
<i>Trial mean (t/ha)</i>	3.85	4.51

Predicted yield of Sunlamb versus control varieties: Early sown NVT series

Grain yield as % of region average (NVT long term MET analysis 2012-2016)

	North East New South Wales	North West New South Wales	South East New South Wales	South West New South Wales
Sunlamb	91	91	96	95
EGA Wedgetail	89	90	97	96
Kittyhawk	90	90	95	95
Naparoo	73	76	89	85
RGT Accroc	95	92	109	106
SQP Revenue	82	78	99	93
<i>Trial mean (t/ha)</i>	3.94	3.57	4.68	4.01

Disease, agronomic and grain quality ratings for Sunlamb and control varieties

	Sunlamb	EGA Wedgetail	Kittyhawk	Naparoo	SQP Revenue	RGT Accroc
Stem rust	R	MRMS	MRMS	RMR	RMR	R & S
Stripe rust	S	MS	RMR	R	R	R
Leaf rust	MRMS	MS	MRMS	S	VS	S
Yellow leaf spot	MRMS	MSS	MRMS	MS	MS	MRMS
RLN (<i>P. thornei</i>) resistance	MS	S	S	SVS	MSS	MS
RLN (<i>P. thornei</i>) tolerance	MI	MII	I	-	-	-
RLN (<i>P. neglectus</i>) resistance	MS	S	MSS	SVS	MSS	MSS
RLN (<i>P. neglectus</i>) tolerance	I	MII	TMT	-	-	-
Septoria tritici blotch	MRMS	MSS	MSS	MS	S	MR & S
Crown rot	S	S	SVS	S	S	SVS
Acid soil tolerance	MI	TMT	-	-	-	-
Maturity	Late	Late	Late	Very Late	Very Late	Very Late
Plant height	Medium	Medium	Medium	Medium	Medium	Medium
Lodging resistance	MRMS	MR	MR	MR	-	RMR
Northern Zone quality classification	ASW	AH	APH	FEED	FEED	FEED
South Eastern quality classification	ASW	APH	APH	FEED	FEED	FEED
Sprouting tolerance	-	S	S	-	-	-
Black point resistance	MR	MS	MRMS	-	MS	-
Screenings risk	Moderate	Moderate	-	-	-	-
Test weight	High	Moderate	-	High	-	-

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

Source: NSW DPI Winter Crop Variety Sowing Guide 2017, NVT and AGT data.



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