

LONGREACH MATADOR

LPB18-4160

Southern New South Wales



LRPB Matador canopy structure, Diggora 2022



VARIETY ATTRIBUTES

Mid maturity AH (SE Zone) with market leading yield performance that has consistently outperformed Vixen and Scepter.

Improved shorter canopy compared to Scepter for increased harvest efficiency.

Improved Powdery Mildew (MS) and Stripe rust resistance (MS) over Scepter adding some minor genes for both diseases.

AGRONOMIC BACKGROUND

LRPB Matador is a Double Haploid variety that has been produced from a cross between Scepter and a breeding line by LongReach Plant Breeders. It has a Mid Spring maturity that is very similar to Scepter and is well suited to main season plantings.

LRPB Matador has shown similar broad adaptation as its Scepter parent to suit a large area of Southern NSW. LRPB Matador shows average vigour with good tillering and steadily builds bulk over the season.

DISEASE RESISTANCE	
Stem Rust	MS
Leaf Rust	MSS
Stripe Rust East	MS
Yellow Leaf Spot	MRMS
Septoria Tritici Blotch	Sp
Blackpoint	MRMSp
CCN	MSp
Powdery Mildew	MS

With a more erect and shorter plant type than Scepter it can handle both tough conditions and high production. LRPB Matador has tolerance genes for both Boron and Aluminium.

Stripe Rust for LRPB Matador has been rated (MS) with a consistently better disease rating than Scepter (MSS) or Vixen (SVS).

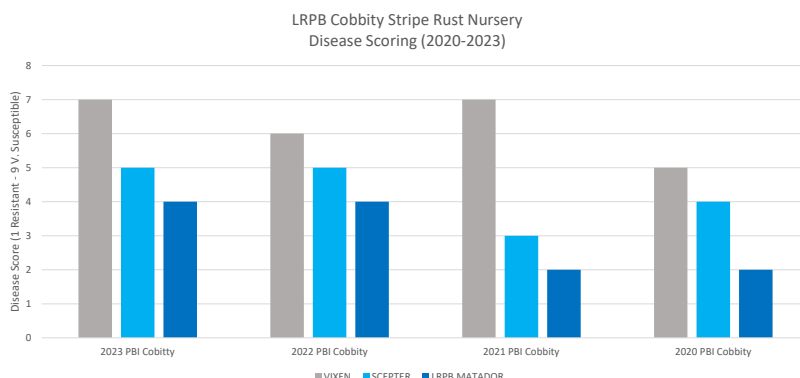
NVT Powdery rating for LRPB Matador (MS) shows a similar level of partial resistance that have been effective in reducing the pressure in the lower canopy that support fungicide treatments to contain the disease being an improvement on Scepter (SVS).

Longreach disease ratings have been compiled from LongReach Disease Screening data and from NVT Disease Ratings May 2024. Resistance ratings: VS=Very Susceptible, S=Susceptible, MS=Moderately Susceptible, MR=Moderately Resistant, R=Resistant. Tolerance ratings: T=Tolerant, MT=Moderately Tolerant, MI=Moderately Intolerant, I=Intolerant, VI=Very Intolerant. p=preliminary data based on limited data set. #=may be more susceptible to alternative pathotypes.

LONGREACH MATADOR

Improved Stripe Rust Resistance over Scepter.

Results of screening nurseries conducted by Sydney University Plant Breeding Institute on behalf of LRPB, has consistently shown MS resistance against all major east coast stripe rust pathotypes over a number of years. Indicating extra APR genes on top of the Scepter reaction type that support fungicides in the paddock.



GRAIN QUALITY

LRPB Matador has a final AH Classification in the Southern/South East Zone (SA/Vic/SNSW) with medium grain size, acceptable screenings and good test weight. Solid Blackpoint tolerance (MRMSp) and has shown good falling number tolerance at sites with rain prior to harvest.

YIELD PERFORMANCE

Matador has consistently shown a significant yield increase over Scepter in LRPB Breeding trials in Sth NSW. This performance is reflected LRPB Matador’s yield performance in NVT trials since it first entered NSW trials in 2022.

NVT Eastern Main Season MET Analysis 2019-2023					
Variety	All Trials	S/E NSW	S/W NSW	North Central Vic	North East Vic
LRPB Matador	107%	105%	107%	108%	108%
Calibre	106%	106%	106%	108%	106%
Scepter	106%	106%	106%	106%	106%
Vixen	106%	105%	106%	105%	106%
Beckom	105%	106%	105%	106%	106%
LRPB Major	101%	101%	101%	101%	103%
Catapult	100%	98%	101%	102%	102%
SMY	5.03	4.89	4.90	4.82	5.80
Trials in Analysis	97	29	42	11	15

Note - Matador first entered into NSW NVT trials in 2022

LRPB Matador is available through our Associate Network For Contact Information please go to www.pacificseeds.com.au

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