

# LONGREACH TRACER

LPB18-7186



## VARIETY ATTRIBUTES

High yielding mid maturity variety suitable for main season seeding opportunities across NSW and QLD.

Good disease package for Northern production systems with excellent RLN (*p.thornei*) tolerance, combined with a compact canopy to aid in stubble management.

Strong performance in sodic soil yield trials.

Genetic marker data has confirmed the presence of aluminum tolerance genes in the variety.

LRPB Tracer has received APH classification for NSW and QLD.

## AGRONOMIC BACKGROUND

LRPB Tracer is a LRPB Mustang cross made with the aim of producing a compact main season variety with strong acid and sodic soil tolerances for NSW and QLD. It first entered field trials in 2018.

Maturity data collected throughout the LongReach field program shows LRPB Tracer to be a genuine mid season alternative to varieties like LRPB Reliant and Suntop and is well suited to main season planting times across NSW and QLD.

This maturity, combined with LRPB Tracer's compact canopy (similar to Lancer) offers growers a new option to aid with stubble management across the entire wheat program in the Northern Zone.

### DISEASE RESISTANCE

Stem Rust	MSp
Leaf Rust	MR#p
Stripe Rust East	MRp
Yellow Leaf Spot	Sp
RLN ( <i>p.thornei</i> )	TMTp*
Crown Rot	MSSp*
Powdery Mildew	MSSp

Disease ratings have been compiled from NVT Disease Ratings (<https://nvt.grdc.com.au/nvt-disease-ratings>) and LongReach Disease Screening data March 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. # Indicates may be more susceptible to alternative pathotypes. \* Indicates LRPB Breeder Rating.

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## YIELD PERFORMANCE

LRPB Tracer has demonstrated high yields throughout its time within the LongReach Plant Breeders field trial program. It has consistently outyielded varieties with similar maturities across the main season sowing window.

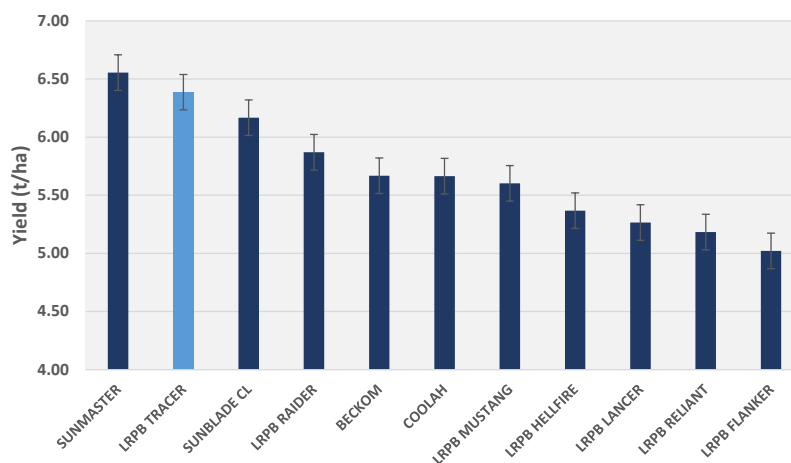
LRPB Nth NSW/QLD main season MET analysis (2020-2023)						
Variety	Maturity	2020	2021	2022	2023	All Trials
SUNMASTER	Quick -mid	112.2%	115.8%	117.4%	119.9%	117.2%
<b>LRPB TRACER</b>	<b>Mid</b>	<b>124.0%</b>	<b>114.2%</b>	<b>114.8%</b>	<b>106.7%</b>	<b>113.4%</b>
LRPB MUSTANG	Quick	115.2%	101.0%	101.3%	107.2%	103.6%
SUNTOP	Quick - mid	110.6%	96.5%	103.7%	106.6%	103.0%
LRPB MAJOR	Mid - slow	115.9%	95.0%	104.1%	103.9%	102.6%
COOLAH	Mid - slow	111.9%	107.2%	95.3%	95.3%	99.5%
LRPB RELIANT	Mid	110.4%	85.2%	102.3%	95.9%	97.1%
LRPB HELLFIRE	Quick - mid	112.0%	88.9%	95.6%	96.6%	95.3%
LRPB SPITFIRE	Quick	91.1%	86.8%	87.3%	95.7%	89.4%
Trial mean yield (t/ha)		3.86	4.59	4.8	3.18	4.18
Trials in analysis		2	6	10	8	26

## SODIC SOIL PERFORMANCE

In 2022 LongReach Plant Breeders conducted additional targeted field trials looking at yield performance of varieties under highly sodic conditions in Northern NSW.

LRPB Tracer was shown to be one of the highest yielding varieties. These results reinforce previous years field screening trials within the breeding program, along with multiple years of lab experiments.

LRPB Boomi Nth NSW sodic soil trial  
Sown - 21/6/22, mean yield - 5.70t/ha



LRPB Tracer is available through our Associate Network for contact information please go to [www.pacificseeds.com.au](http://www.pacificseeds.com.au)

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End Point Royalty (EPR) Each time a grower purchases seed of LongReach Tracer the grower agrees to comply with the Variety Licence and Royalty Agreement, including agreement to pay the EPR of \$4.25 per tonne (GST excl). EPR is payable on all grain production, except on seed retained by the grower for replanting by the grower. The majority of the EPR will be paid by Advanta Seeds to the Breeder (LongReach Plant Breeders) for investment in future wheat breeding programs.

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