

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

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 (2019-2022)						
Variety	Maturity	2019	2020	2021	2022	All Trials
LRPB Tracer	Mid	107%	105%	115%	111%	110%
LRPB Mustang	Quick	111%	107%	101%	98%	102%
Coolah	Mid - Slow	92%	107%	107%	91%	101%
Suntop	Quick - Mid	108%	101%	98%	100%	100%
LRPB Reliant	Mid	103%	103%	85%	96%	95%
LRPB Hellfire	Quick - Mid	108%	100%	90%	93%	95%
LRPB Flanker	Mid	84%	98%	85%	87%	90%
LRPB Spitfire	Quick	105%	89%	87%	89%	89%
Mean Predicted Yield (t/ha)		3.05	3.93	4.62	5.04	4.41
Trials in Analysis		2	12	10	10	34



DISEASE RESISTANCE	
Stem Rust	MRp
Leaf Rust	MSSp
Stripe Rust East	MRMSP
Yellow Leaf Spot	Sp
RLN (<i>p.thornei</i>)	TMTp
Crown Rot	MSSp
Powdery Mildew	MRMSP

Resistance ratings: VS=Very Susceptible, S=Susceptible MS=Moderately Susceptible, MR=Moderately Resistant R =Resistant. Tol Rating - T=Tolerant, MT=Moderately Tolerant, MI=Moderately Intolerant, I=Intolerant, VI=Very Intolerant. Data sourced Longreach Plant Breeders trials, Results Feb 2023.
p=Preliminary Data Based on limited data set



AGRONOMIC BACKGROUND

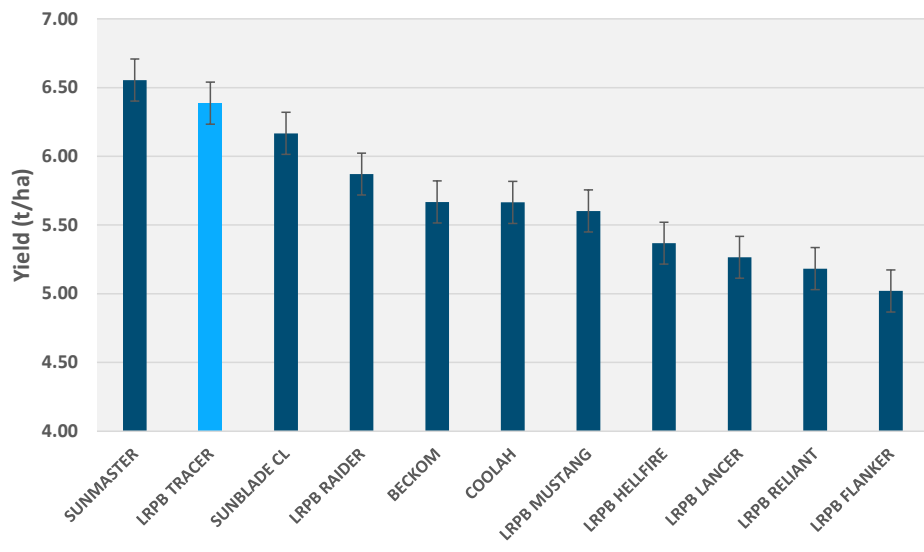
LRPB Tracer is a LRPB Mustang cross made with the aim of producing a compact main season variety with strong acid and sodic soil tolerances for NSW and QLD. It first entered field trials in 2018.

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.

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



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