

LONGREACH  
TRACER

LPB18-7186

STATE: QLD & NSW



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.

# LONGREACH TRACER

## 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.

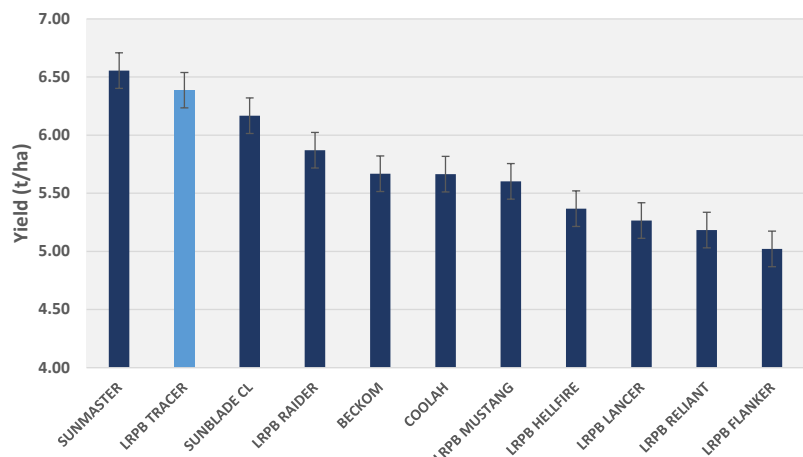
| LRPB Nth NSW/QLD main season MET analysis (2020-2023) |             |        |        |        |        |            |
|-------------------------------------------------------|-------------|--------|--------|--------|--------|------------|
| Variety                                               | Maturity    | 2020   | 2021   | 2022   | 2023   | All Trials |
| SUNMASTER                                             | Quick -mid  | 112.2% | 115.8% | 117.4% | 119.9% | 117.2%     |
| LRPB TRACER                                           | Mid         | 124.0% | 114.2% | 114.8% | 106.7% | 113.4%     |
| 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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