



LongReach



Lincoln

Southern New South Wales

KEY FEATURES

- A high yielding variety suitable for a broad range of planting times
- Medium quick maturity, well suited to Southern New South Wales
- Australian Hard (AH) Classification in the South Eastern Zone
- Good resistance to all current pathotypes of Stem, Leaf and Stripe Rusts
- Good protection from Yellow leaf spot (MR-MS)
- Good stability in both high and low yielding environments

BREEDING Pedigree: 96WFHB5568/Octane//Rubric

Lincoln (LPB03-0545) was bred in the “Australian” stream of the Ausgrainz wheat breeding program. Since 2002 the variety has been developed and extensively evaluated by the LongReach Plant Breeders technical team led by Dr Bertus Jacobs.

PLANT CHARACTERISTICS AND DISEASE RESISTANCE

Lincoln is eligible for receipt into the Australian Hard Grade (AH) in Southern New South Wales. Lincoln is a main season variety with medium quick maturity similar to Ventura and Janz. Lincoln has a mid-season maturity which allows it to be planted across a wide planting window from early May to late June (depending on frost risk/probability). Lincoln is suited to both acid and alkaline soils. Lincoln has excellent standability with an open canopy, distinct and very broad leaf. Lincoln has a very good level of Yellow leaf spot resistance (MR-MS) for wheat on wheat plantings. Lincoln is rated very susceptible (VS) to Crown Rot and is susceptible to pre-harvest sprouting

Table 2. Disease and Pest Resistance Ratings: Lincoln and commercial varieties.

| Variety | Disease Ratings | | | | | | | | Pest Reaction | |
|----------------|-----------------|-----------|-------------|--------------|------------------|-----------|------------------|----------|----------------------|-------------------------|
| | Stem Rust | Leaf Rust | Stripe Rust | Stripe Rust | Septoria tritici | Crown Rot | Yellow Leaf Spot | CCN | RLN | |
| | | | Jackie pt | WA + Yr17 pt | | | | | (Pthornei) Tolerance | (P.neglectus) Tolerance |
| Correll | MR | MS-S | MR-MS | MR-MS | MS-S | S | S-VS | MR | I | MI |
| Janz | R-MR | MR-MS | MS | MS | MS | MS-S | S | S | I-VI | MI |
| Lincoln | MR | MR | R-MR | R-MR | MS-S | VS | MR-MS | S | VI | MI |
| Livingston | MR-MS | R | R | MR-MS | S | S-VS | MS | - | MT-MI | MI |
| Merinda | R-MR | R | R-MR | MR-MS | MS | S-VS | MS-S | - | MT-MI | MI |
| Sunguard | R | R-MR | MR | MR | MS-S | MR-MS* | MS-S | - | MT | MI |
| Ventura | R-MR | R | R | MS | MS | MS-S | S | - | MT-MI | MI |

Resistance rating: 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 NSW DPI 2013 Cereal Variety Disease Guide & LongReach Plant Breeders Disease Screens and Breeder Ratings. *Preliminary Data Based on limited data set



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Lincoln Yield in NVT LongTerm New South Wales Trials 2008-2012

| The table converted to percentage of Regional Mean Yield | South East NSW | South West NSW |
|--|----------------|----------------|
| Region Mean Yield (t/ha) | 3.48 | 2.82 |
| EGA GREGORY | 106.8 | 107.0 |
| ELLISON | 92.5 | 89.8 |
| ELMORE CL PLUS | 102.7 | 103.1 |
| GAUNTLET | 100.7 | 101.5 |
| JANZ | 94.2 | 95.4 |
| KENNEDY | 91.8 | 90.3 |
| LANG | 96.4 | 96.2 |
| LINCOLN | 109.0 | 106.1 |
| LIVINGSTON | 102.3 | 105.7 |
| MERINDA | 101.9 | 103.9 |
| MERLIN | 100.4 | 104.5 |
| SENTINEL | 105.8 | 98.6 |
| SPITFIRE | 101.9 | 103.4 |
| SUNGUARD | 104.7 | 106.1 |
| SUNTOP | 111.8 | 116.6 |
| SUNVALE | 98.7 | 99.3 |
| SUNVEX | 98.1 | 98.6 |
| VENTURA | 100.3 | 98.7 |
| WALLUP | 103.3 | 106.2 |

New South Wales

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