

## WHEAT A.SOFT

# Kunjin

- Excellent yield
- Improved rust resistance
- EGA 2248 replacement

**Area suited:** Agzones 2,3 & 5

**Disease:** Resistance to stem, leaf and stripe rusts. Improvements in leaf and stripe rusts compared with EGA 2248.

**Characteristics:** Kunjin is a white chaffed, bearded, non-club, early maturing semi-dwarf wheat. Plant type and maturity are very similar to EGA 2248, but a few days later maturing and marginally taller. Kunjin is very high yielding, outyielding EGA 2248, Bullaring and Wyalkatchem. Short coleoptiles. For herbicide tolerance information go to [www.intergrain.com](http://www.intergrain.com).

**Quality:** Suitable for both export and domestic markets. Kunjin is a very large grained non-club variety with grain size akin to good sized hard grained varieties. As expected this variety has low screenings especially for an Australian Soft variety. Kunjin has low black point and low fungal staining. Wheat protein levels are higher than ideal being marginally higher than Datatine and similar to Jitarning but the introduction of Australian Soft 2 (ASF2) segregation with a maximum protein of

### Agronomic Data Kunjin <sup>(b)</sup>

|                       |                                  |
|-----------------------|----------------------------------|
| <b>PRODUCT CODE</b>   | IGW3001                          |
| <b>MATURITY</b>       | Early                            |
| <b>CLASSIFICATION</b> | A. Soft                          |
| <b>STEM RUST</b>      | MR-MS                            |
| <b>STRIPE RUST</b>    | MR-MS                            |
| <b>LEAF RUST</b>      | MR-MS                            |
| <b>TYPE</b>           | Non club, bearded, white chaffed |
| <b>HEIGHT</b>         | Semi Dwarf                       |
| <b>YIELD</b>          | Higher than EGA 2248             |

10.5% reduces the risks. Current data, 14 trials, suggests that Kunjin has an advantage over other Australian Soft varieties with higher Falling Numbers.

**Breeding:** Developed through a backcrossing strategy to improve the leaf and stripe rust resistance of EGA 2248, whilst maintaining its excellent grain size and improving on its yield.

**PBR/EPR:** The variety is protected by Plant Breeder's Rights and attracts an end point royalty of \$3.50/tonne GST Exclusive.

**Developed by:** Dr Robyn McLean and the InterGrain team. InterGrain acknowledges the assistance of the Department of Agriculture and Food WA in the provision of some technical data.

| Variety                      | Disease Resistance |              |              |                   |             | Receival Traits # |            |            |                | Yield - % Site Index* |            |            |            |
|------------------------------|--------------------|--------------|--------------|-------------------|-------------|-------------------|------------|------------|----------------|-----------------------|------------|------------|------------|
|                              | Leaf Rust          | Stem Rust    | Stripe Rust  | S. Nodorum Blotch | Yellow Spot | HLW               | Siev%      | Grain Wt.  | Wheat Protein% | Agzone 2              | Agzone 3   | Agzone 5   | Overall    |
| <b>KUNJIN <sup>(b)</sup></b> | <b>MR-MS</b>       | <b>MR-MS</b> | <b>MR-MS</b> | <b>MS</b>         | <b>S-VS</b> | <b>104</b>        | <b>103</b> | <b>130</b> | <b>109</b>     | <b>113</b>            | <b>103</b> | <b>106</b> | <b>109</b> |
| WEDIN <sup>(b)</sup>         | R                  | R-MR         | MR-MS        | MR-MS             | S           | 101               | 102        | 115        | 109            | 108                   | 108        | 105        | 107        |
| EGA 2248 <sup>(b)</sup>      | MS                 | MR-MS        | MS-S         | MS-S              | VS          | 103               | 102        | 125        | 107            | 105                   | 104        | 104        | 105        |
| BULLARING <sup>(b)</sup>     | R                  | R-MR         | MR-MS        | MS-S              | S-VS        | 101               | 101        | 104        | 103            | 104                   | 116        | 105        | 106        |
| DATATINE                     | R                  | R-MR         | MS-S         | MS                | S-VS        | 101               | 100        | 97         | 103            | -                     | -          | -          | -          |
| EGA JITARNING <sup>(b)</sup> | R                  | R-MR         | MS-S         | -                 | VS          | 102               | 102        | 113        | 106            | 101                   | 104        | 102        | 101        |
| WYALKATCHEM <sup>(b)</sup>   | R-MR               | MR-S         | MS           | MS-S              | MR          | 104               | 101        | 123        | 119            | 97                    | 97         | 99         | 98         |

\* 2007-09 InterGrain Stage 3&4 trials  
# % of Tincurru

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Web: [www.nuseed.com.au](http://www.nuseed.com.au)



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