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# New variety to be King of the hard wheats

INTERGRAIN has taken all the desirable qualities of widely grown Australian hard wheat variety EGA Bonnie Rock to a new level with the release of King Rock.

Developed by Robyn McLean and the InterGrain team, King Rock has been launched as an official EGA Bonnie Rock replacement.

Through a backcrossing strategy and utilising EGA Bonnie Rock's distinguishing attributes, Dr McLean and her team have bred superior disease resistance and quality into the new variety.

InterGrain commercial manager Tess Walmsley said King Rock has maintained the excellent high yielding, high grain quality characteristics of WA's premium AH variety, while adding a superior rust package.

King Rock has triple rust resistance in WA. It has fully effective resistance to known WA strains of leaf rust, stem rust and stripe rust.

King Rock has moderate (MR) resistance to yellow spot, is moderately susceptible to susceptible (MS-S) to septoria nodorum blotch and is susceptible to very susceptible to septoria tritici blotch.

"For years EGA Bonnie Rock has set the quality benchmark as the best WA AH variety," Ms Walmsley said.

"King Rock will increase the reputation of WA wheat. Samples of this line have been supplied to the

marketers for end product promotion."

Growers may already have seen King Rock in InterGrain trials tested as IGW2975 or WAWHT2975.

King Rock is a white-chaffed, bearded, mid-season and semi-dwarf wheat with strong straw.

Growers will find its growth habit and maturity are almost identical to EGA Bonnie Rock.

It has similar grain receival characteristics to EGA Bonnie Rock - including susceptibility to pre-harvest sprouting.

"King Rock has recently been classified as AH by the Variety Classification Panel," Ms Walmsley said.

In the 2008 NVT trials, King Rock yields are similar to or better than EGA Bonnie Rock in Agzones 1, 2 and 4.

InterGrain field trials also indicate King Rock would match Bonnie Rock yields in Agzone 3, however King Rock was not included in last year's NVT for Agzone 3.

NuSeed WA sales and production agronomist Glenn Lendon said King Rock seed production had been under the stringent Sureseed QA system.

To avoid contamination, seed grown for 2010 release had been sown into paddocks that had been pasture the previous three years.

Independent in-field crop inspections had been conducted by

AgWest inspectors.

Grain samples collected at harvest had been submitted for germination and purity tests.

Protein profiling would also be conducted after harvest to ensure buyers of this new variety received varietal purity.

He said harvest and transport equipment would be cleaned before use and King Rock seed would be made available to growers and seed retailers via:

- EDSCO on phone 9045 4036, or
- InterGrain/NuSeed's online trading site located at [www.seedpool.com.au](http://www.seedpool.com.au)

King Rock is protected by Plant Breeders Rights and attracts an end point royalty (EPR) of \$3/tonne, GST exclusive.

## AT A GLANCE

- King Rock is a new AH wheat variety developed and released by InterGrain and NuSeed.
- Growers can think of King Rock as a "Stripe Rust resistant Bonnie Rock".
- King Rock has triple rust resistance.
- King Rock also has moderate resistance to yellow spot.
- King Rock final classification is Australian Hard.
- King Rock yield is similar to EGA Bonnie Rock.



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**King Rock (IGW2975) – Resistance Ratings**

Stripe Rust	Leaf Rust	Stem Rust	Yellow Spot	Septoria Nodorum	Septoria Tritici
2009	2009	2009	2009	2009	2008
R*	R	R-MR	MR	MS-S	S-VS

R = Resistant  
 R-MR = Resistant - moderately resistant  
 MR = Moderately resistant  
 MS-S = Moderately susceptible - susceptible  
 S-VS = Susceptible - very susceptible  
 \* = Some races in eastern States can attack these varieties.



**2008 Western Australian NVT Data:**  
 Yield and yield as a % of EGA Bonnie Rock

	Agzone 1	Agzone 2	Agzone 4	Overall
King Rock	102%	102%	100%	101%
EGA Bonnie Rock	100%	100%	100%	100%
No. Of Sites	5	14	8	27
Mean Yield of King Rock	3.56	2.64	2.66	2.82

All sites King Rock was represented in, in 2008  
 Trials have shown King Rock yields are at least equal to EGA Bonnie Rock



□ Ian Doncon (left), of EDSCO with Phillip and Eric Innes, Winchatopping, Doodlakine. Phillip and Eric have grown the seed production of King Rock. They have been authorised by InterGrain to sell the variety. Seed will be available to growers and distributors through EDSCO or via the SeedPool.