

INTERGRAIN

breeding solutions

**Eastern States
Cereal Guide
2011**



Wheat Varieties

AVAILABLE NOW

Magenta^(b)

For the Mallee:

- **Yellow Leaf Spot (R-MR) - best option available**
- **Stem rust resistant (R-MR)**
- APW
- Solid rust profile (Stem Rust R, Stripe Rust MS, Leaf Rust R)
- Long coleoptile and good early vigour
- Maturity similar to Yitpi^(b)
- \$3.30/t EPR
- Available for purchase through Nuseed



Magenta in Victoria

	QUALITY	MATURITY	STEM RUST	STRIPE RUST	YELLOW LEAF SPOT	CCN	MALLEE %YITPI	NO. TRIALS	WIMMERA %YITPI	NO. TRIALS
MAGENTA	APW	MID	R-MR	MS	R-MR	S	100	41	99	15
Yitpi	AH	MID	S	MR-MS	S-VS	MR	100	58	100	25
Scout	APW	MID	MR	MS	MS-S	MR	109	17	109	8
Estoc	APW	MID	R-MR	MR-MS	S	MR	101	26	105	10
Correll	AH	MID	MR	MR-MS	S-VS	MR	102	50	103	20
Gladius	AH	MID	MR	MR-MS	MS	MS	103	50	105	20
Lincoln	AH	MID	MR	R-MR	MS-S	S	99	41	101	15
Wyalkatchem	APW	EARLY	MS	MS-S	MR	S	98	58	101	20

Yield Data: 2004-2010 NVT Long Term MET Data

POTENTIAL NEW VARIETIES 2011/12

IGW3167

- High yields, broadly adapted across Australia
- Classification pending – targeting AH
- Early maturity, similar to Young, suits shorter seasons
- Good rust and yellow spot resistance
- Some sprouting tolerance – similar to Janz



IGW3170

- Good yield performance
- Yitpi type
- Very good rust profile
- CCN resistance
- Potential AH classification
- Superior to Correll for hectolitre weight

Barley Varieties

POTENTIAL NEW VARIETIES 2011/12

WABAR2315

- Excellent quality
- Undergoing 2nd year malt accreditation
- Medium to Late maturity; medium to high rainfall
- Higher yielding than Baudin
- Superior grain plumpness
- Improved disease package; leaf rust resistant and improved powdery mildew resistance compare to Baudin
- Potential release 2012, past Year 1 of malt accreditation

WABAR2537

- Quality and agronomic improvement beyond Baudin
- Commence malt accreditation in 2012
- Medium to late maturity; medium to high rainfall
- Higher yielding than Baudin
- Improved disease package; resistant to powdery mildew, adult plant resistance to leaf rust
- Earliest potential release 2014



IGB1101

- Export malt quality profile similar or superior to Baudin and Buloke
- Early maturity
- Significantly higher yielding than Buloke and Baudin, similar to Hindmarsh
- Excellent agronomic characteristics for low – medium rainfall areas
- Good disease package
- Excellent grain plumpness
- Potential release 2014

VB0611

- Nationally amongst highest yielding varieties, equivalent to feed varieties Hindmarsh and Fleet.
- Quality profile suited to domestic market
- CCN, NFNB and leaf rust resistant



About InterGrain

InterGrain is a leading Australian crop breeding company with highly successful wheat and barley breeding programs that target the major cereal growing areas of Australia. InterGrain varieties occupy a significant proportion of the area sown to cereals in Australia.

The wheat and barley breeding programs service the major cereal growing areas in Australia-Western Australia, South Australia, Victoria and New South Wales. The barley program also services Queensland.

InterGrain has +30 staff and offices/facilities in Perth, Wongan Hills, Horsham and Melbourne.

The shareholders are the WA State Government, GRDC and Monsanto.



InterGrain operates 64 Breeding Sites across Australia and New Zealand

Wheat breeding program

Three regional breeding programs servicing WA, SA, Victoria and NSW. A specialist program provides support in fast tracking disease resistance and elimination of critical defects. A research and development program in collaboration with Monsanto to increase the use of genotypic technologies in the core breeding programs.

Region	Breeder	Priorities include	Quality	Key Varieties
West South East	Dan Mullan Chris Moore Robin Wilson	Yield improvements Agronomic suitability Abiotic stress tolerance Disease resistance (rust, Septoria, CCN)	Hard milling wheats with export focus (APH, AH, APWN and APW)	King Rock Magenta Wyalkatchem Zippy Endure Eagle Rock
Express	Robyn McLean	Improved and Novel disease resistance	Udon noodle (ANW)	Bonnie Rock Tamarin Rock
R&D	Iain Barclay	LMA, germplasm introductions, high throughput marker screening technologies	Feed types	Binnu Yandanooka Fortune Wedin Kunjin

Barley breeding program

Two regional programs focussed on developing broadly adapted varieties suited to WA, SA, Victoria, NSW and Queensland.

Region	Breeder	Priorities include	Quality	Key Varieties
Early maturity	David Moody	Yield improvements Agronomic suitability Abiotic stress tolerance	Premium malt Feed	Baudin Gairdner Hamelin, Roe
Late maturity	Reg Lance	Disease resistance Germplasm introductions	Premium malt Feed	Hannan Lockyer



For more information:

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