





Calingiri type with superior yield and improved disease resistance

CLASSIFICATION	ANW				
MATURITY	Mid-long – similar to Calingiri				
YIELD	High				
YELLOW SPOT	MR-MS				
STRIPE RUST	MR				
STEM RUST	MS-S				
LEAF RUST	R-MR*				
GRAIN SIZE	Good – similar to Calingiri				
ALTERNATIVE TO	Calingiri, Fortune [@] and Mace [®]				

Key Features

- High yielding udon noodle variety
- Excellent yield performance across a broad range of environments
- Mid-long season maturity
- Robust disease resistance package
- Good yellow spot resistance
- Calingiri alternative with ANW classification
- Available for sowing in 2015

Pediaree

Zen[®] was formerly known by breeding code IGW6046 and is a Calingiri and Wyalkatchem[®] derivative.

Variety Overview

Zen[®] is a mid-long season alternative to Calingiri. This line offers yield improvements of approximately 5% over Calingiri. Zen[®] also provides an improved disease resistance profile over Calingiri, in particular yellow spot. Zen[®] possesses a good grain size, similar to Calingiri and has performed very well over a number of years within the InterGrain udon noodle program both in terms of yield and udon noodle quality. Zen has an improved udon noodle quality over Calingiri.

Plant Features

Zen[®] has a similar plant type to Calingiri and is slightly shorter in height than Calingiri.



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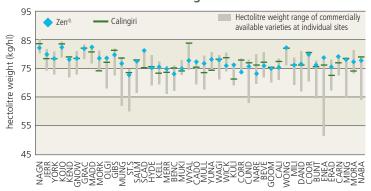




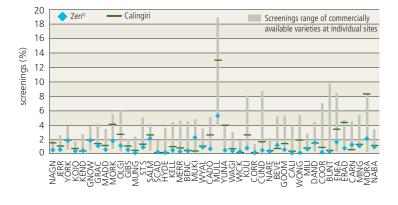


Grain Quality

2013 WA NVT Hectolitre weights from indivdual sites



2013 WA NVT Screenings from individual sites



Seed Availability

Seed is available from registered InterGrain Seedclub members or your local reseller. For more information please contact David Meharry on 0427 855 059 or dmeharry@intergrain.com

Plant Breeder's Rights (PBF

Zen[®] is protected by Plant Breeder's Rights and is subject to an end point royalty of \$3.85/tonne GST Exclusive.

Zen[®] is an InterGrain variety bred by Daniel Mullan, Ian Barclay (retired), Robyn McLean (retired) and the wheat breeding team.

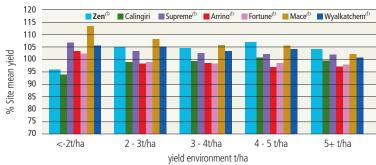
Disease

	CLASSIFICATION	LEAF RUST*	STEM RUST	STRIPE RUST	YELLOW LEAF SPOT	POWDERY MILDEW
Zen 🖟	ANW	R-MR	MS-S	MRp	MR-MS	-
Arrino	ANW	MS-S	S-VS	S	MS-S	MR
Calingiri	ANW	MS	S	S	MS-S	S
Fortune 🐎	ANW	MR-MS	MS	MS	MS	MR-MS
Mace (p	AH	MR	MR	R-MR	MR-MS	S
Wyalkatchem (b)	APW	R	MS	S	(MR)	S-VS

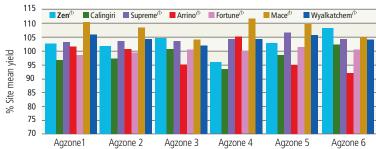
Source: DAFWA 2014 wheat variety guide. Disease data reference: R = Resistant, MR = Moderately Resistant, MS = Moderately Susceptible, S = Susceptible, VS = Very Susceptible. * Pathotype dependent, () = Higher disease at some sites, p= provisional rating.

Yield Performance

2010-14 WA NVT variety performance - represented in yield environments as a % of site mean yield



2010-14 WA NVT Variety performance - represented regionally as % of site mean yield



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