DALEΦ AH Baker - boy it yields

Tech Note - SA

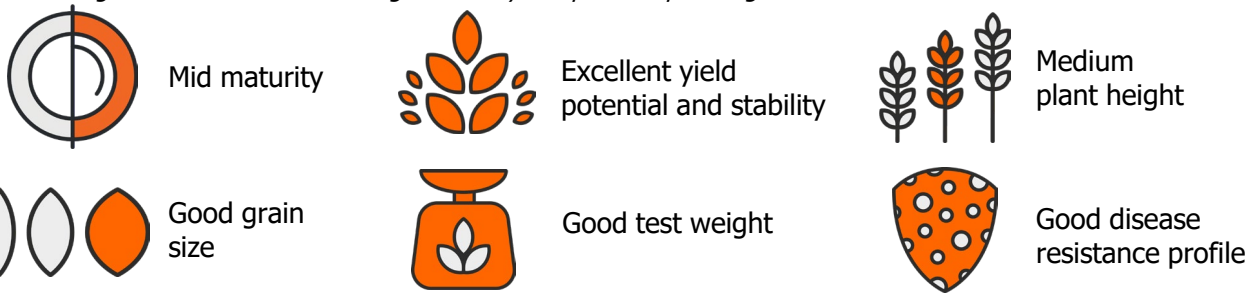
DALEΦ is a new high yielding, adaptable main season AH wheat with excellent yield potential and stability across a range of environments. DALEΦ provides a significant yield advantage over ScepterΦ *(InterGrain 2018-2025 MET national long-term and 2020-25 NVT long-term main season % predicted yield performance, average of 2020-25 annual yield results (Vic and SA).*

DALEΦ offers:

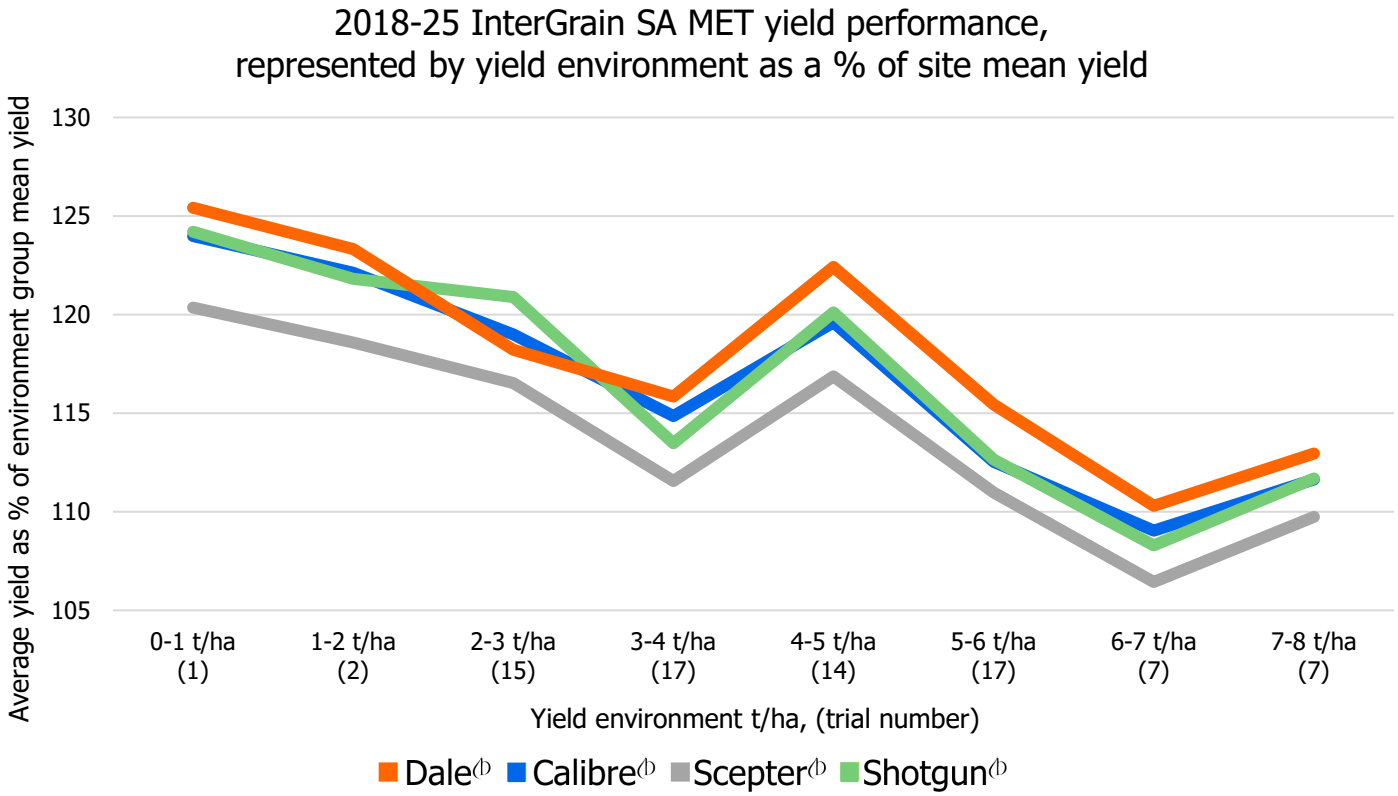
- Mid maturity, similar to ScepterΦ, ideally suited to May sowings.
- Good disease profile including yellow spot (MRMSp), leaf rust (MSp) and stem rust (MSp) resistance. DALEΦ has good resistance to *P. thornei* (MRMSp^) and *P. neglectus* (MSp^), useful in environments where root lesion nematodes are present.
- Strong physical grain characteristics, including good grain size and excellent test weight.
- Medium plant height, similar to ScepterΦ.

DALEΦ is available for planting from local resellers and Seedclub Members or through farmer-to-farmer trade.

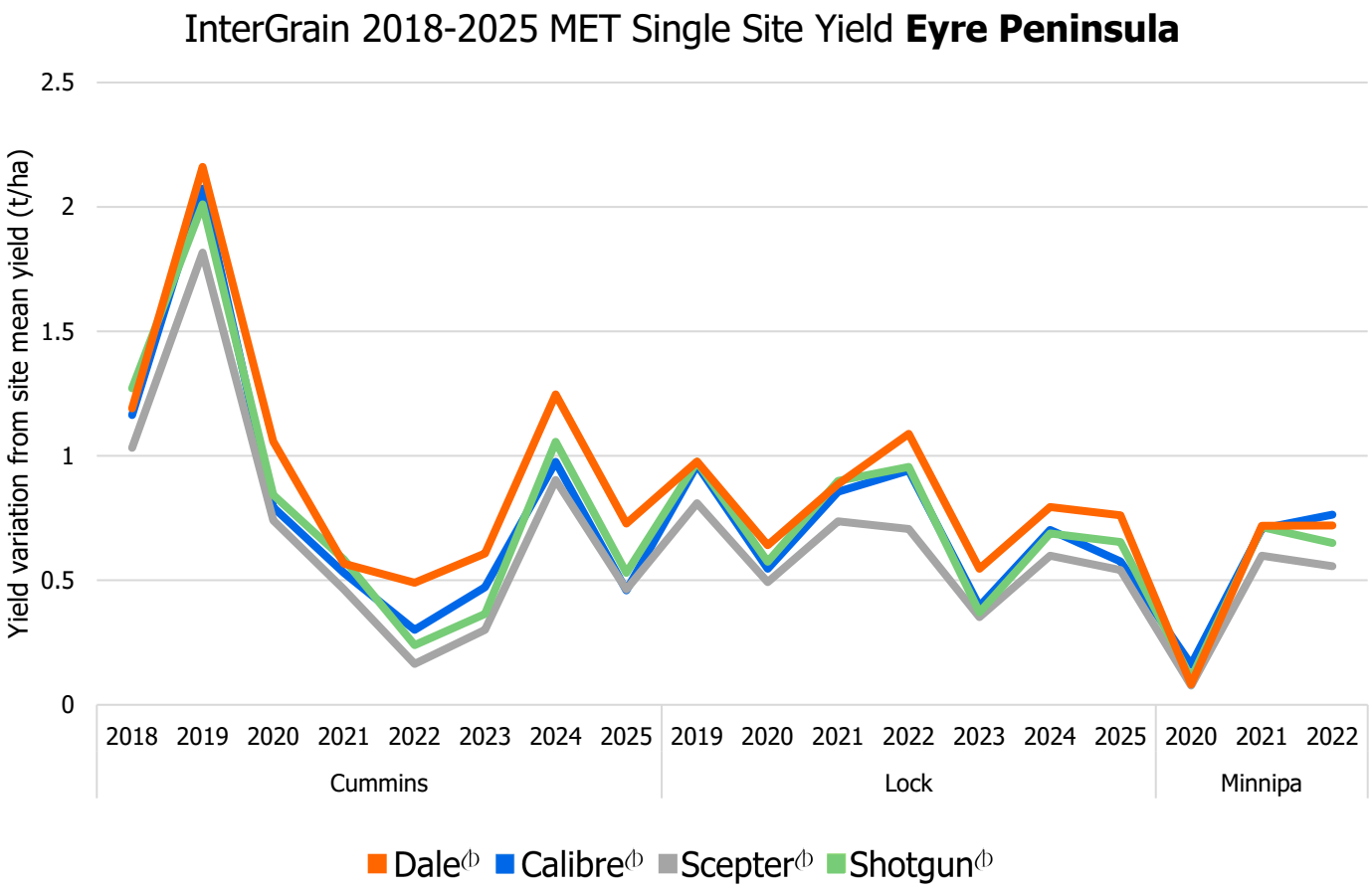
^DaleΦ ratings are internal disease ratings tested by independent pathologists.

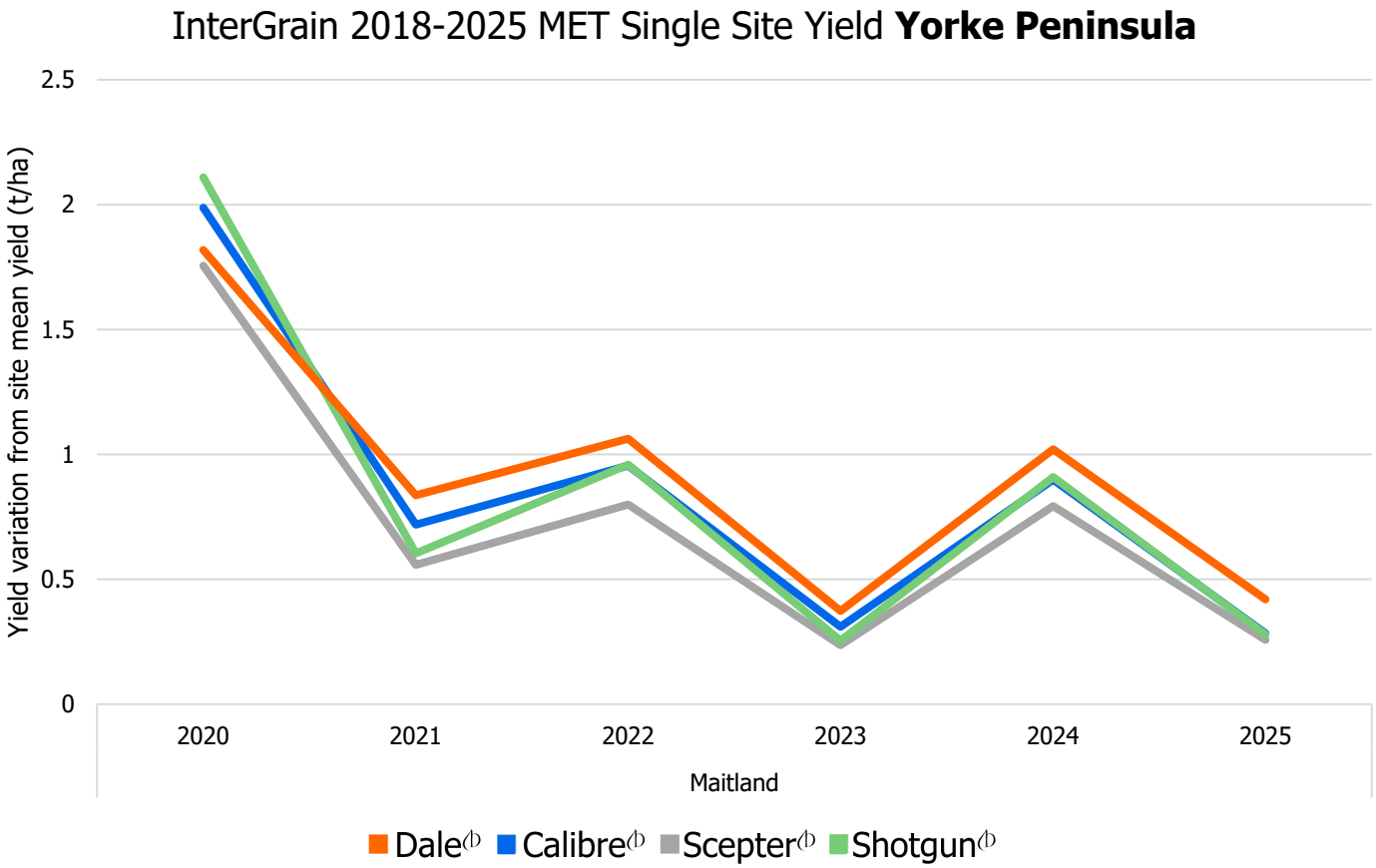


Yield performance

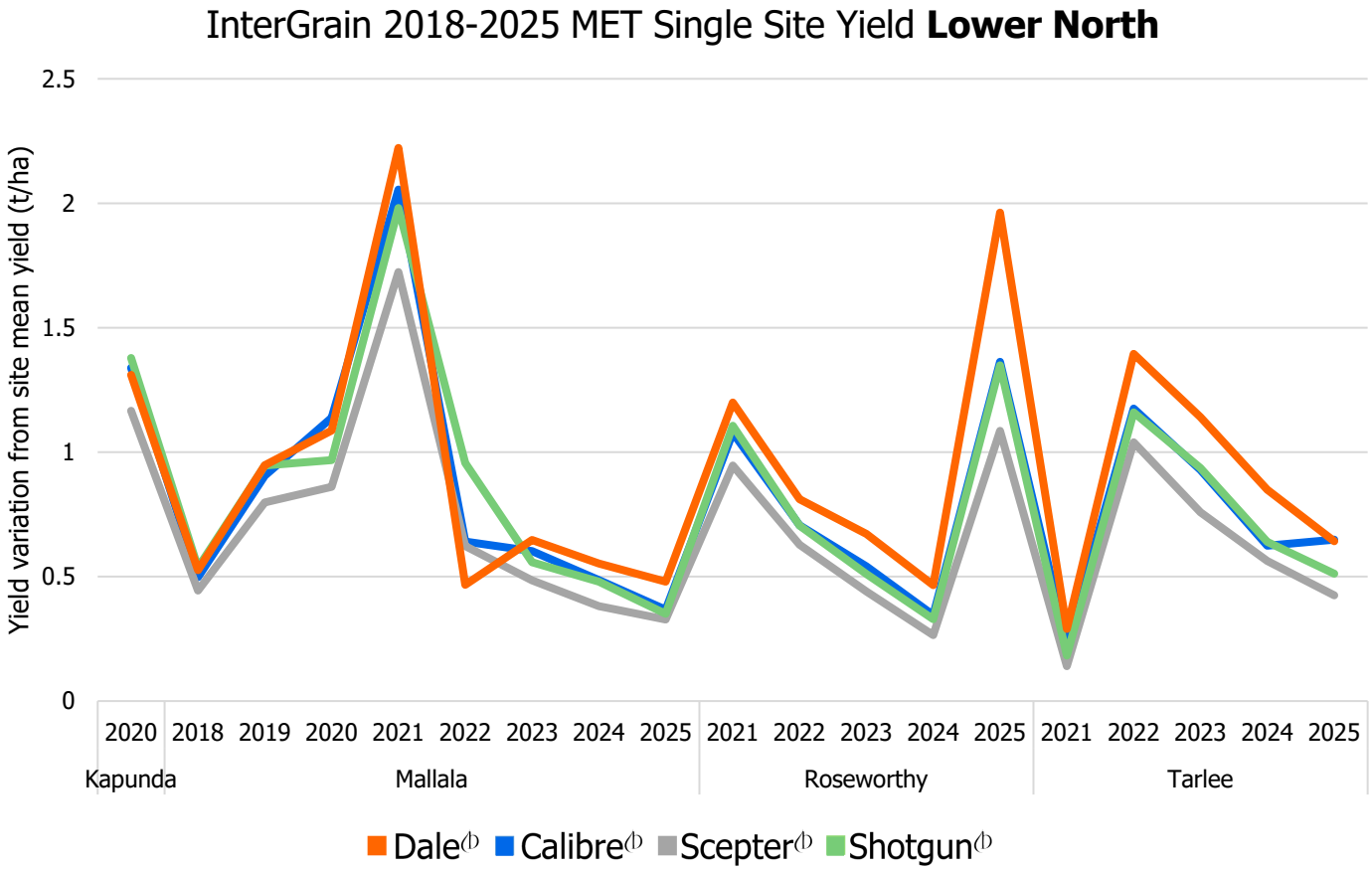


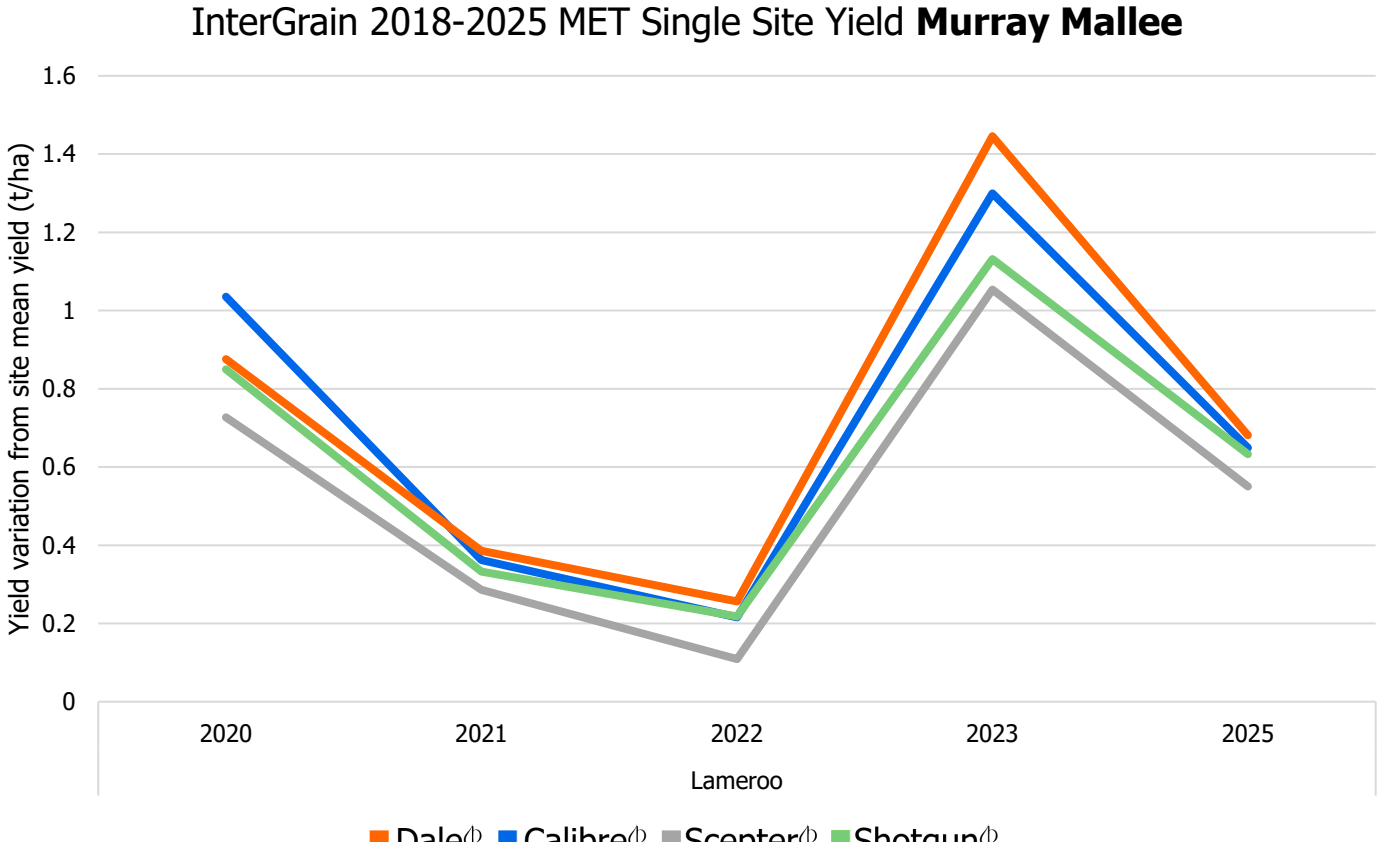
InterGrain Single Site Yield



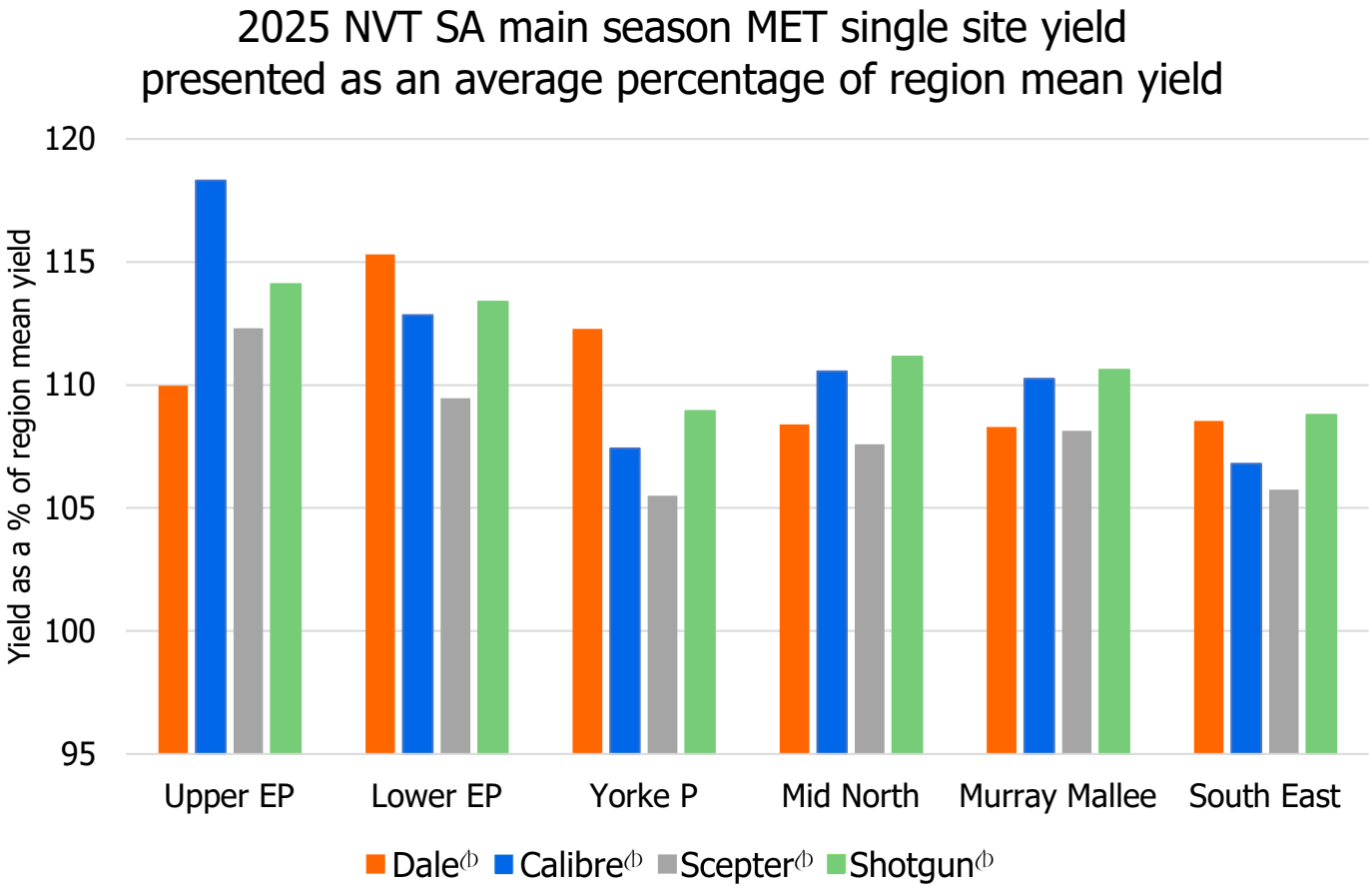


InterGrain Single Site Yield





NVT MET Single Site Yield



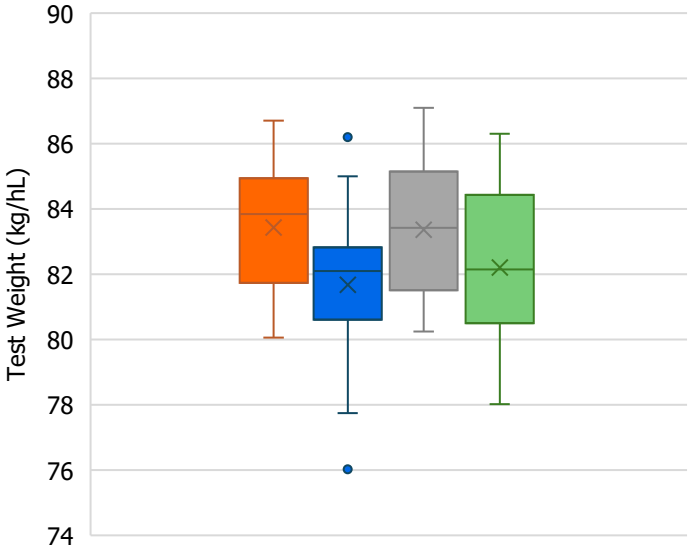
2025 NVT MET Single Site Yield presented as a % of the site mean yield

		Dale	Calibre	Shotgun	Scepter
Lower EP	Cummins	112.1	107.5	109.2	105.6
	Rudall	116.2	116.9	117.4	111.8
	Wanilla	119.8	114.2	116.5	111.1
	Wharminda	113.2	112.8	110.4	109.3
Yorke P	Maitland	113.8	106.7	111.4	104.9
	Minlaton	111.4	106.3	108.5	105.0
	Paskeville	110.6	105.0	103.8	102.0
	Wokurna	113.3	111.6	112.2	110.0

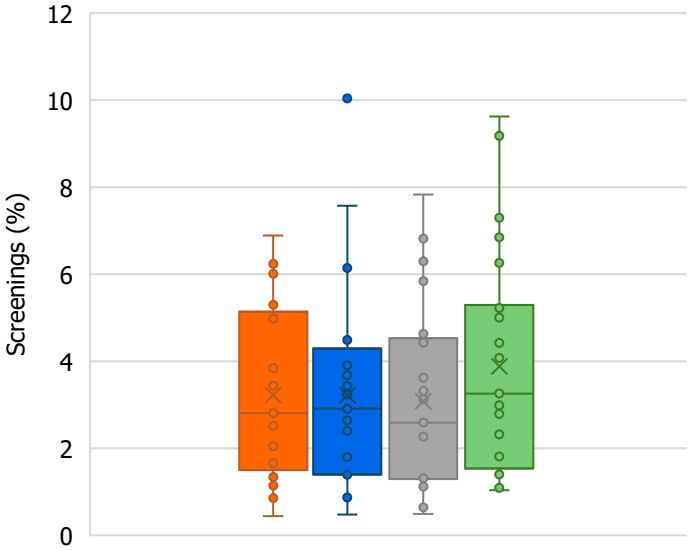
GRDC NATIONAL VARIETY TRIALS™ Date accessed from NVT Online 23/02/2026

Grain quality

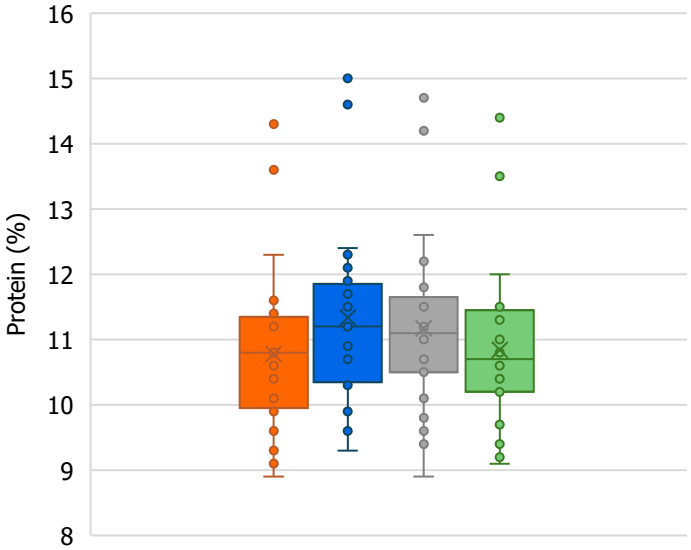
2025 SA NVT Main Season Wheat
Test Weight (25 sites)



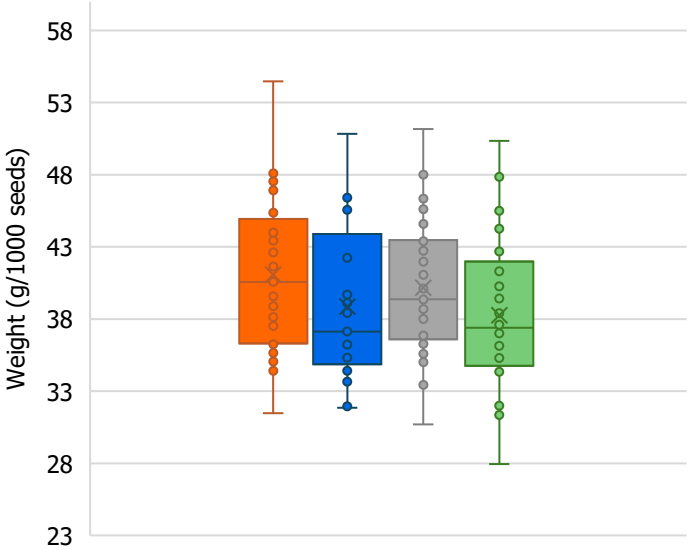
2025 SA NVT Main Season Wheat
Screenings (25 sites)



2025 SA NVT Main Season Wheat
Protein (25 sites)



2025 SA NVT Main Season Wheat
1000 Grain Weight (25 sites)



Dale Calibre Scepter Shotgun

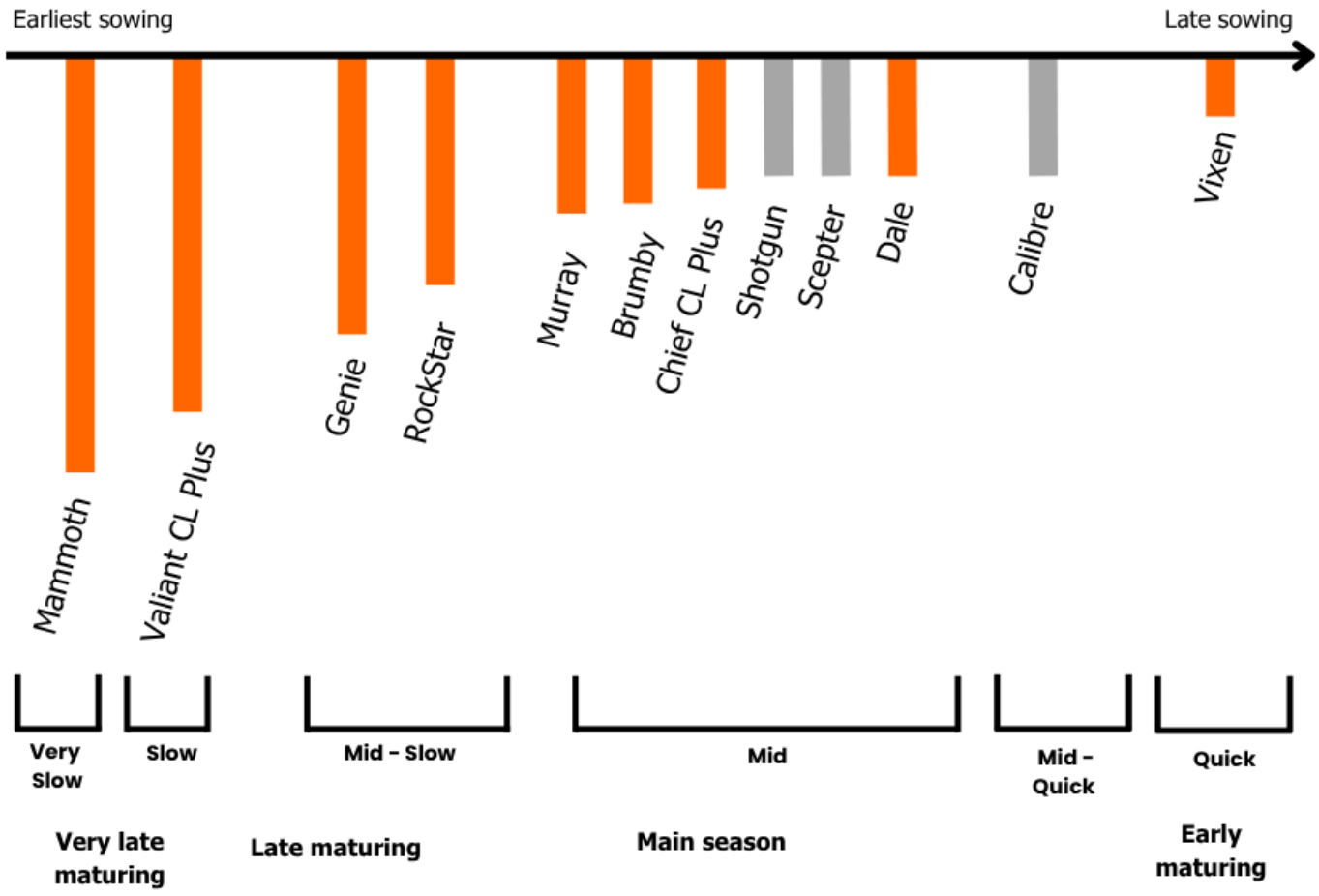
In the 2025 SA NVT main season wheat trials, Dale delivered high test weight, low screenings and high 1000 grain weight.

Dale had lower protein, averaging 10.8% across the 25 sites, where Calibre (11.3%), Scepter (11.2%) and Shotgun (10.8%) were slightly higher.

GRDC NATIONAL VARIETY TRIALS

Date accessed from NVT Online 05/02/2026

Maturity



Dale$^{\Phi}$, 25 September 2025
Cummins, SA

Dale$^{\Phi}$ vs Shotgun$^{\Phi}$, 28 July 2026
Rudall, SA

Pre harvest sprouting risk

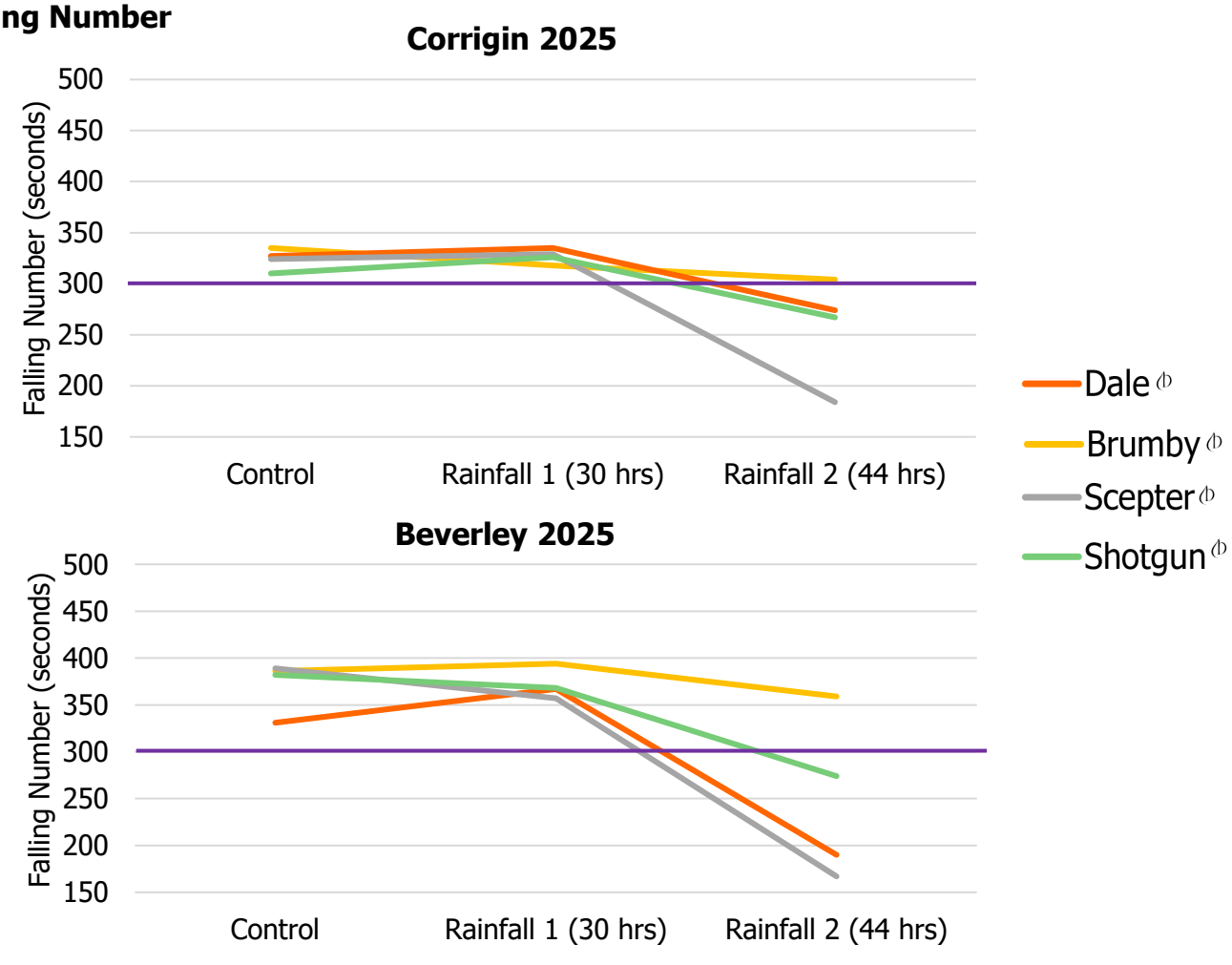
InterGrain undertook a pre-harvest sprouting evaluation in 2024 and 2025, using methodology developed by DPIRD, to determine variety susceptibility.

A selection of lines were exposed to 0, 30 and 44 hours of continuous rainfall. These samples were then tested for falling number. Controlled rainfall simulation is the optimal method for evaluating pre-harvest sprouting susceptibility in wheat varieties, as dormancy alone is not a reliable indicator.

Variety	DPIRD Falling Number Index*	InterGrain Pre-Harvest Sprouting Risk Rating
Brumby Ⓟ	6	Low
Calibre Ⓟ	6p	Low
Shotgun Ⓟ	-	Medium-Low
Dale Ⓟ	-	Medium
Scepter Ⓟ	5	Medium

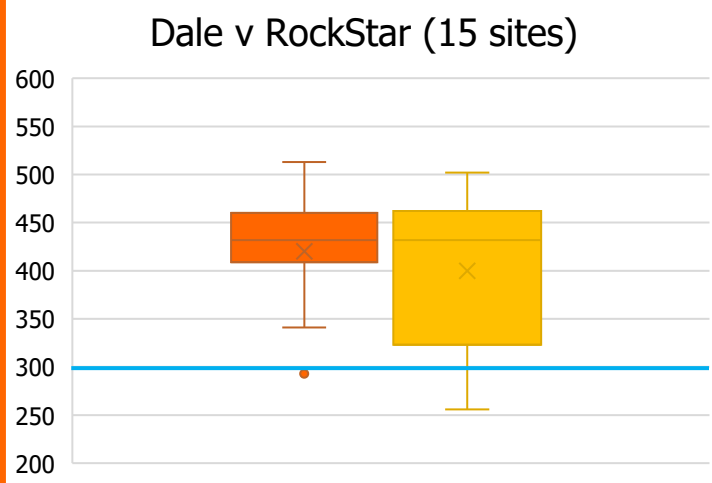
**DPIRD Falling Number Index is no longer updated by DPIRD, as such, breeding companies are providing data to support pre-harvest sprouting risk ratings for new varieties*

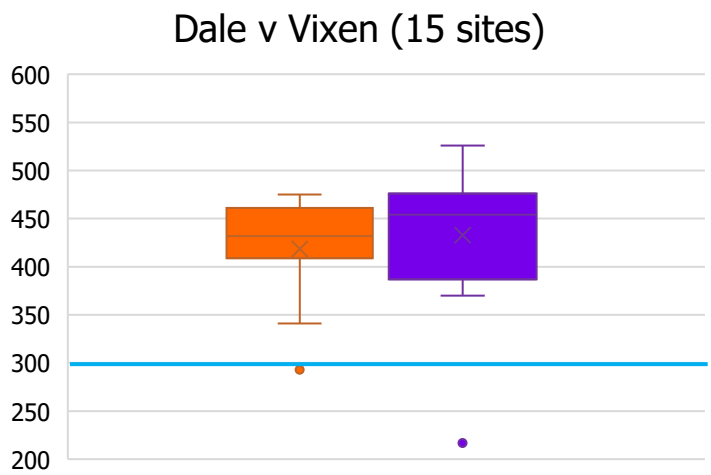
Falling Number

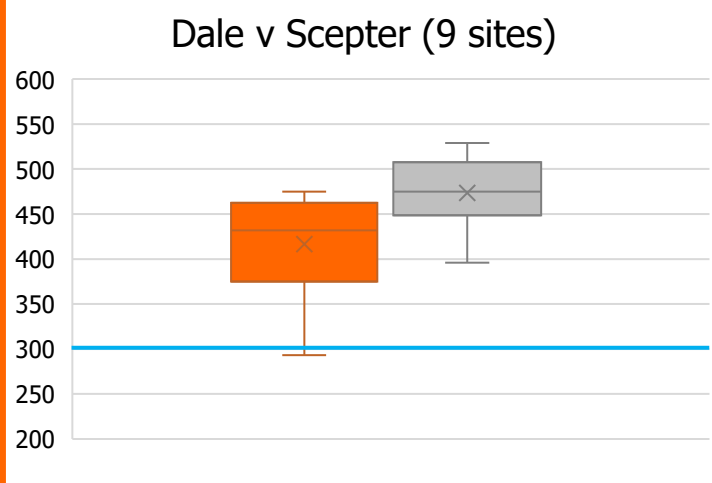


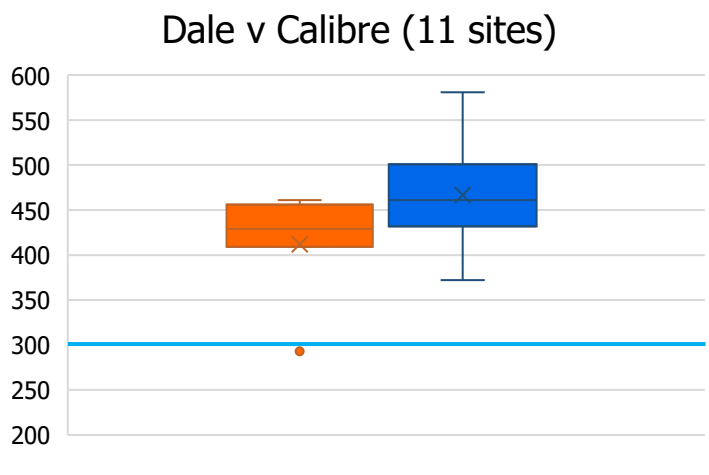
Breeding Program Falling Number Data

Trial site	Dale	Calibre	Mace	RockStar	Scepter	Vixen
Moora	293	474	472	256	435	370
Birchip	297	464	439	274		440
Lock	341		441	260	396	217
Dandaragan	409	512	316	323	480	387
Cunderdin Hard	421	424	431		470	501
Brookstead	422			462		
Cummins	422	432	433	438		409
Maitland	429	456	528	457		454
Dandaragan	432	461	462	396	512	454
Brocklesby	440			421		
Cunderdin Hard	452	501	505	492	503	476
Mallala	456	458	478	444		471
Birchip	460	372	458	432		466
York	461	581	539		475	526
Narrogin	464		524	491	462	443
Narrabri	467					493
Rainbow	475		324	353	529	385
Condamine	513			502		









Dale RockStar Vixen Scepter Calibre

300 seconds = minimum standard for milling wheat

INTERGRAIN

DALE Φ

Tech Note - SA

Disease

Variety	Dale Φ	Calibre Φ	Scepter Φ	Shotgun Φ
Powdery mildew	Sp	S	SVS	S
Yellow spot	MRMSp	MRMS	MRMS	MRMS
Leaf rust	MSp	S	MSS	MSS
Stem rust	MSp	MRMS	MRMS	MRMS
Stripe rust	Sp	S	S	S
Septoria tritici blotch	Sp	S	SVS	SVS
Crown rot	-	S	MSS	MSS
CCN	MSp^	MRMS	MRMS	R
P. neglectus resistance	MSp^	S	S	MSp
P. thornei resistance	MRMSp^	MSS	MSS	MRMS
Black point	-	MSS	MS	Sp

Source: 2026 NVT Pathology consensus disease ratings. **^Dale Φ ratings are internal disease ratings tested by independent pathologists.** Disease ratings can be found at www.nvt.grdc.com.au/nvt-disease-ratings. p = Provisional ratings. R = Resistant, RMR = Resistant to Moderately Resistant, MR = Moderately Resistant, MRMS = Moderately Resistant to Moderately Susceptible, MS = Moderately Susceptible, MSS = Moderately Susceptible to Susceptible, S = Susceptible, SVS = Susceptible to Very Susceptible, VS = Very Susceptible

Plant features

Variety	Dale Φ	Calibre Φ	Scepter Φ	Shotgun Φ
Classification (Southern)	AH	AH	AH	AH
Maturity	Mid	Quick-mid	Mid	Mid
Plant height	Medium	Medium	Medium	Medium
Lodging tolerance	Strong	Moderate	Strong	Moderate

Source: InterGrain wheat breeding and SA Crop Sowing Guide

InterGrain contact

Darcy Moore
South Australia Territory Manager
0448 138 944 | dmoore@intergrain.com

Dan Fay
Victoria Territory Manager
0427 850 766 | dfay@intergrain.com

PBR/EPR

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Sources

Disease source: 2026 NVT Disease Consensus Ratings and InterGrain disease ratings independently tested by national pathologists.
Agronomic characteristics source: InterGrain Breeding. Yield sourcing: Yield performance has been sourced from NVT long-term MET analysis and InterGrain long-term MET analysis.

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