VIXEN PBR

AUSTRALIAN HARD **AH**

ALTERNATIVE TO:
LRPB HELLFIRE LRPB SPITFIRE SUNCHASER LRPB MUSTANG SUNTOP

FARMER TO FARMER TRADE APPROVED

NORTHERN ZONE 2020 (NORTHERN NSW/QLD)

INTERGRAIN

Variety Overview

VIXEN is a high yielding, quick-mid maturing (similar to SPITFIRE) AH wheat recently classified in the Northern region. VIXEN offers a significant yield advantage, on average, compared to SPITFIRE (approx. 12%*) in Northern NSW. VIXEN yields similarly to SUNCHASER, on average, based on NVT MET yield performance*.

VIXEN's maturity is ideally suited to sowing from mid-May onwards. With the amount of LANCER (mid-long) grown in wheat programs, VIXEN provides a true varietal opportunity to vary plantings, spreading flowering windows during critical spring stress periods.

In addition to the variety's stand-out national yield performance it offers good stripe (MRMS) and stem (MRMS) rust and yellow leaf spot (MRMS) resistance. VIXEN has strong physical grain characteristics. It has an adequate grain size and hectolitre weight. VIXEN also has a short plant height and good straw strength providing a level of lodging tolerance, which may be an advantage in higher yielding environments.

VIXEN is available from local Seedclub members and resellers and is approved for farmer to farmer trade.

A cunning variety for those looking to win the quick-mid spring, AH wheat race.

Variety at a glance

- EXCEPTIONAL YIELD
- GOOD YELLOW LEAF SPOT RESISTANCE (MRMS)
- GOOD STRIPE RUST RESISTANCE (MRMS)
- MATURITY: QUICK SPRING
- GOOD P. NEGLECTUS RESISTANCE
- GOOD GRAIN SIZE

For more information please contact:
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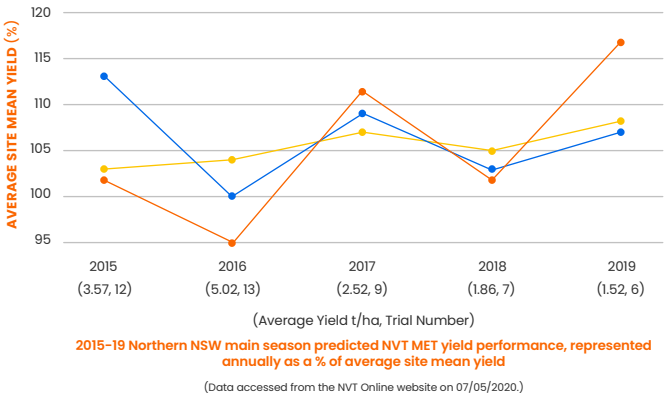
PLANT FEATURES & DISEASE

	Variety Features					Disease								
Variety	Northern Classification	Maturity	Coleoptile	Plant Height	Lodging Tolerance	Stripe Rust*	Stem Rust	Leaf Rust	Yellow Leaf Spot	Crown Rot	Black Point	P. Thornei Tolerance	P. Thornei Resistance	P. Neglectus Tolerance	P. Neglectus Resistance
VIXEN	AH	Quick	Medium	Short	MR	MRMS	MRMS	SVS	MRMS	S	MSS	I	MS	MT	MRMS
LRPB SPITFIRE	APH	Quick	Long	Medium	MR-MS	MR	MR	MSS	MSS	MS	MSS	MTMI	MS	MTMI	MSS
SUNTOP	APH	Mid	Long	Tall	MR-MS	MRMS	MRMS	MR	MSS	MSS	MSS	TMT	MRMS	MT	S
LRPB MUSTANG	APH	Quick		Short	MR	RMR	MRMS	MSS	MSS	MSS	MS	MTMI	MSS	MI	S
LRPB HELLFIRE	APH	Quick-Mid	Medium	Short	MR	MR	MR	MSS	MS	MSS(p)	MS	MI	MSS	-	S
SUNCHASER	APH	Mid	Medium		MR-MS	MR	MR	R	MS	MSS(p)	MS	TMT	MSS	-	S

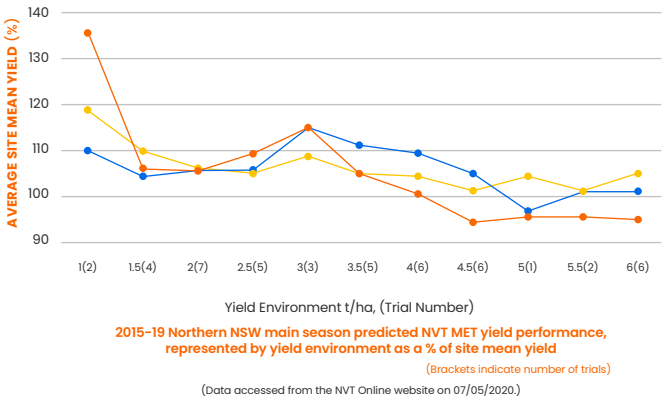
Source: 2019 NVT Pathology consensus disease ratings. R = Resistant, RMR = Resistant to Moderately Resistant, MR = Moderately Resistant, MRMS = Moderately Resistant to Moderately Susceptible, MS = Moderately Susceptible, MSS = Moderately Susceptible to Susceptible, S = Susceptible, SVS = Susceptible to Very Susceptible, VS = Very Susceptible. # Pathotype dependent, () = Higher disease at some sites, p = provisional rating. **Variety Features Source:** InterGrain wheat breeding and 2019 NSW Winter Crop Sowing Guide. * Based on 2015-19 Northern NSW NVT Long-term Main Season % Yield Performance, average of 2015-19 annual yield results.

NORTHERN NSW – YIELD PERFORMANCE



2015-19 Northern NSW main season predicted NVT MET yield performance, represented annually as a % of average site mean yield

(Data accessed from the NVT Online website on 07/05/2020.)



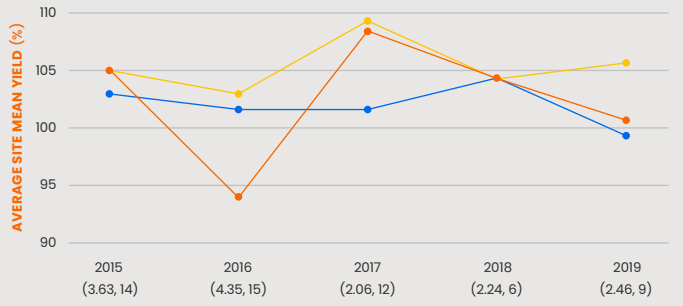
2015-19 Northern NSW main season predicted NVT MET yield performance, represented by yield environment as a % of site mean yield

(Brackets indicate number of trials)

(Data accessed from the NVT Online website on 07/05/2020.)

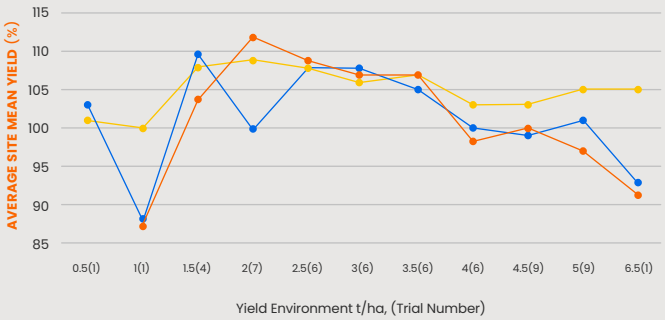
VIXEN(b) LRPB MUSTANG(b) LRPB HELLFIRE(b)

QUEENSLAND – YIELD PERFORMANCE



2015-19 QLD main season predicted NVT MET yield performance, represented annually as a % of average site mean yield

(Data accessed from the NVT Online website on 07/05/2020.)



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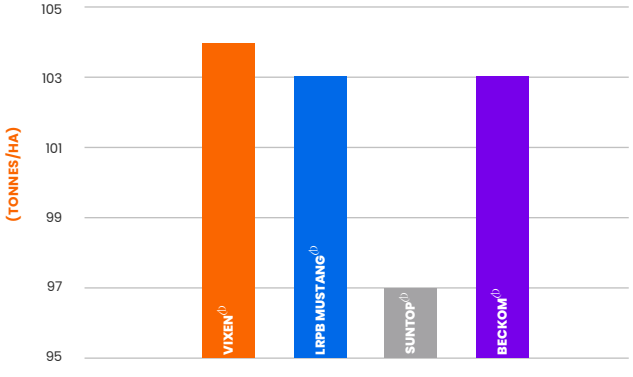
CASE STUDY

2019 INTERGRAIN TRIAL SITE: BROOKSTEAD

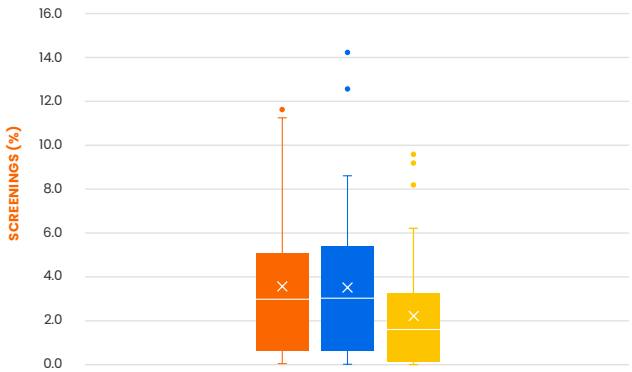


Trial Site Mean = 3.90 tonnes/ha and h2 = 0.52, CV = 4.38%

The 2019 Brookstead site was dry sown on the 25th of May and irrigated to provide a uniform germination. Prior to sowing the grey-black clay loams soils were very dry and cloddy following several months of dry weather, making irrigation necessary. The paddock had good stubble cover from a barley crop in 2018, and some residual nitrogen from a chickpea crop in 2017. Predicta-B results collected from the site prior to sowing showed low levels of P. thornei in the soil. Brookstead received 170mm of annual rainfall, with 50mm of this growing season rainfall. Partial irrigation by lateral overhead was required to ensure the crop was able to finish.

GRAIN QUALITY

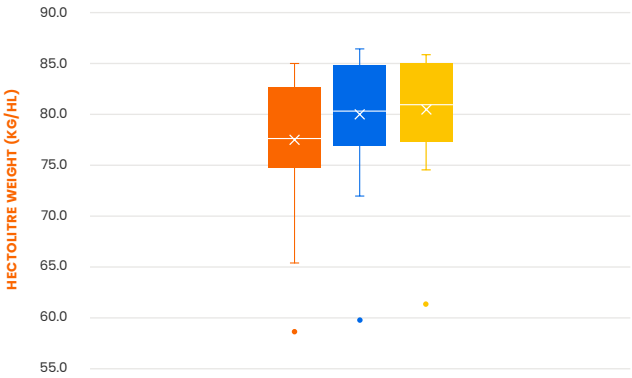
SCREENINGS



2018-19 NVT Screenings (%)

(Data accessed from the NVT Online website on 12/03/2020.)

HECTOLITRE WEIGHT



2018-19 NVT Hectolitre Weight (kg/hl)

(Data accessed from the NVT Online website on 12/03/2020.)

VIXEN(ф) LRPB MUSTANG(ф) LRPB HELLFIRE(ф)

SEED AVAILABILITY

Seed is available through farmer to farmer trade, your local reseller or Seedclub member.

For more information please contact:

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PBR/EPR

VIXEN(ф) is protected by Plant Breeder's Rights and is subject to an end point royalty of $3.50/tonne GST Exclusive. VIXEN(ф) is an InterGrain variety bred by Dan Mullan and the InterGrain wheat breeding team.