

Longford[®]

for *Big Yields* where *Disease Resistance matters*

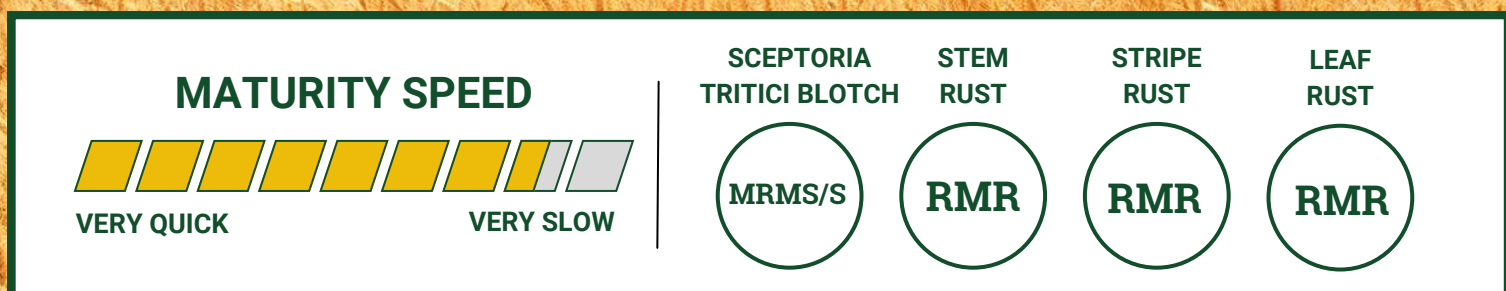
A very high yield potential red wheat with great standability and strong disease package, which excels in long season environments.



Winter Wheat

Red Wheat, Feed Grade, Awned

EPR \$3.95/t + GST



Longford is a long season high yield potential red wheat with a strong disease package and lodging tolerance and is suited to dual purpose grain or graze systems, or in grain only programs. Longford has shown incredible yield potential in internal and independent trials, and topped many of 2022's yield results in the National Variety Trials. With great standability, great resistance, and great yields Longford should be on the radar for any long season grower.

DISEASE PACKAGE

Longford has a robust disease package and has displayed high yield potential even in the highest disease pressure years. Through years of trialing in full, low, and nil fungicide scenarios, Longford has regularly proven its robust disease package by displaying low levels of disease infection in 1 fungicide and nil fungicide trials, giving growers flexibility and potential savings in their fungicide program.

Table 1: AGF Seeds Long Season Wheat Disease Assessment 2024. Assessed in Smeaton on 18-10-24. 0 = no infection, 100 = Full infection

Variety	2 Fungicides Infection Scoring (0-100)			1 Fungicide Infection Scoring (0-100)			Nil Fungicide Infection Scoring (0-100)		
	Septoria Tritici Blotch	Stripe Rust	Powdery Mildew	Septoria Tritici Blotch	Stripe Rust	Powdery Mildew	Septoria Tritici Blotch	Stripe Rust	Powdery Mildew
Longford	2.5	0	0	2.5	0	0	5	0	0
Manning	5	0	0	25	5	0	20	30	0
RGT Waugh	5	0	0	5	0	0	10	2.5	0
BigRed	5	0	0	10	5	0	20	20	0

YIELD

Longford has proven to have high yield potential in long season environments. Across all Long Season NVT Trials in South Australia, Tasmania, and Victoria Longford has continued to yield highly. Chart 1 compares Longford to key slow maturity competitors in RGT Waugh and Manning.

Longford particularly shines in years with high disease pressure in long season environments such as 2022. Table 2 plots internal and independent FAR Australia trials showing the full yield potential of Longford.

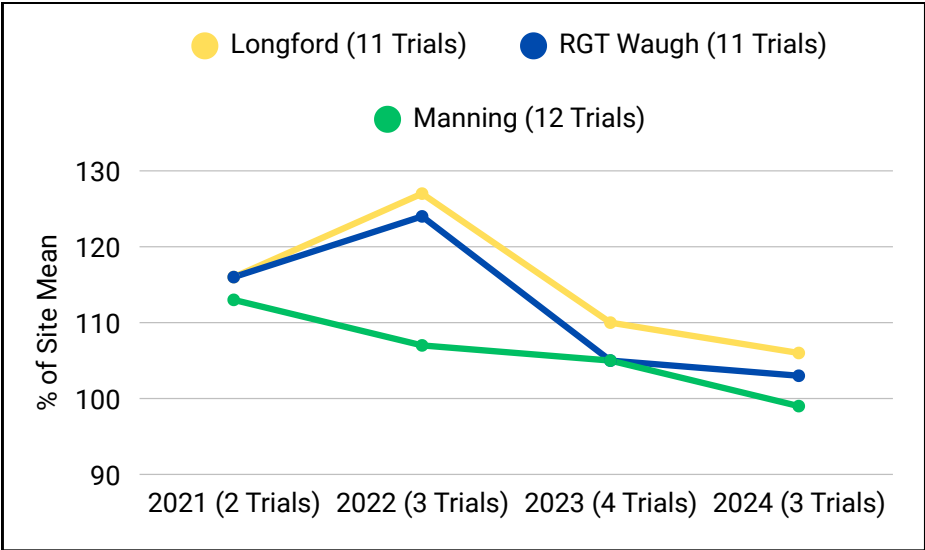


Chart 1: NVT yield results from Long Season Trials in SA, Tas, and Vic from 2021 to 2024 shown as average % of site mean across all trials for each year.

Table 2: Longford vs Key Comparators Yield in 2022 (Sources AGF Seeds, FAR)

Variety	2022 AGF Seeds Smeaton Vic		2022 AGF Seeds Smeaton Vic		2022 FAR Hyper Yielding Trials Millicent SA				2022 FAR Hyper Yielding Trials Gnarwarre VIC				2022 FAR Hyper Yielding Trials Hagley Tas			
	3 Fungicide		1 Fungicide		Full Fungicide		No Fungicide		Full Fungicide		No Fungicide		Full Fungicide		No Fungicide	
	Yield (t/Ha)	% Site Mean	Yield (t/Ha)	Yield Diff vs 3 Fungicide Trial (t/Ha)	Yield (t/Ha)	% Site Mean	Yield (t/Ha)	% Site Mean	Yield (t/Ha)	% Site Mean	Yield (t/Ha)	% Site Mean	Yield (t/Ha)	% Site Mean	Yield (t/Ha)	% Site Mean
Longford	13.23	110%	13.63	0.4	8.67	125%	7.87	168%	8.78	116%	7.59	132%	11.61	106%	11.51	125%
Manning	11.61	97%	5.47	-6.14												
Waugh					7.56	109%	4.83	103%	8.35	111%	6.27	109%	11.99	109%	9.46	102%
BigRed	12.97	108%	12.96	-0.01	6.67	96%	4.48	95%	7.87	104%	6.41	112%	11.66	106%	10	108%

MATURITY

Longford is best suited for longer growing season environments with a maturity later than BigRed and earlier than Manning. Longford has also show great standability and lodging resistance.

Table 3: Heading Date - Long Season Wheat Trial Smeaton, Vic 2022, 2023, 2024 (Source AGF Seeds)

Variety	Days to Head Emergence		
	2022	2023	2024
Longford	191	173	184
BigRed	188	170	178
Manning	196	177	188
RGT Waugh		178	188

Table 4: Lodging Index 2023 FAR Australia HYC Elite Screening Gnarwarre, Vic @GS99 (Source FAR Australia)

Lodging Index Assessment @GS99 0 - 500	
Variety	Lodging
Longford	21.3
BigRed	131.3
RGT Accroc	175.0



FORAGE

Winter wheats are dual purpose varieties offering a grazing option as well as grain yield. Longford shines as a grazing option as seen in our 2024 Forage Wheat Trials.

Longford topped all the wheats trialled for dry matter across 4 cuts and can provide growers with excellent winter feed before being locked up for grain.

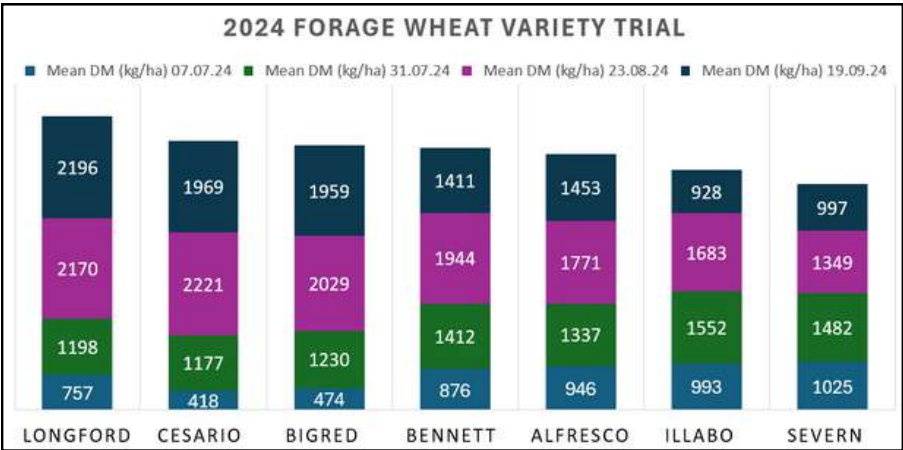


Chart 2: Dry Matter Yield (kg/ha) results for selected varieties in our Forage Cereal Variety Trial. Smeaton 2024

Forage cereals continue to grow in popularity due to their ability to produce large amounts of high-quality feed during periods of the year where pasture growth may not meet stock requirements. Forage cereals also provide management flexibility with certain cereals providing dual purpose as a grain crop, making hay/silage, or being used for green manuring.

At our Smeaton Trial Site we run a forage cereal trial comparing a range of commercial and pre-commercial cereals to compare growth rates across the season. Below is a chart of the key forage cereals offered by AGF Seeds comparing dry matter across 4 cuts in 2024

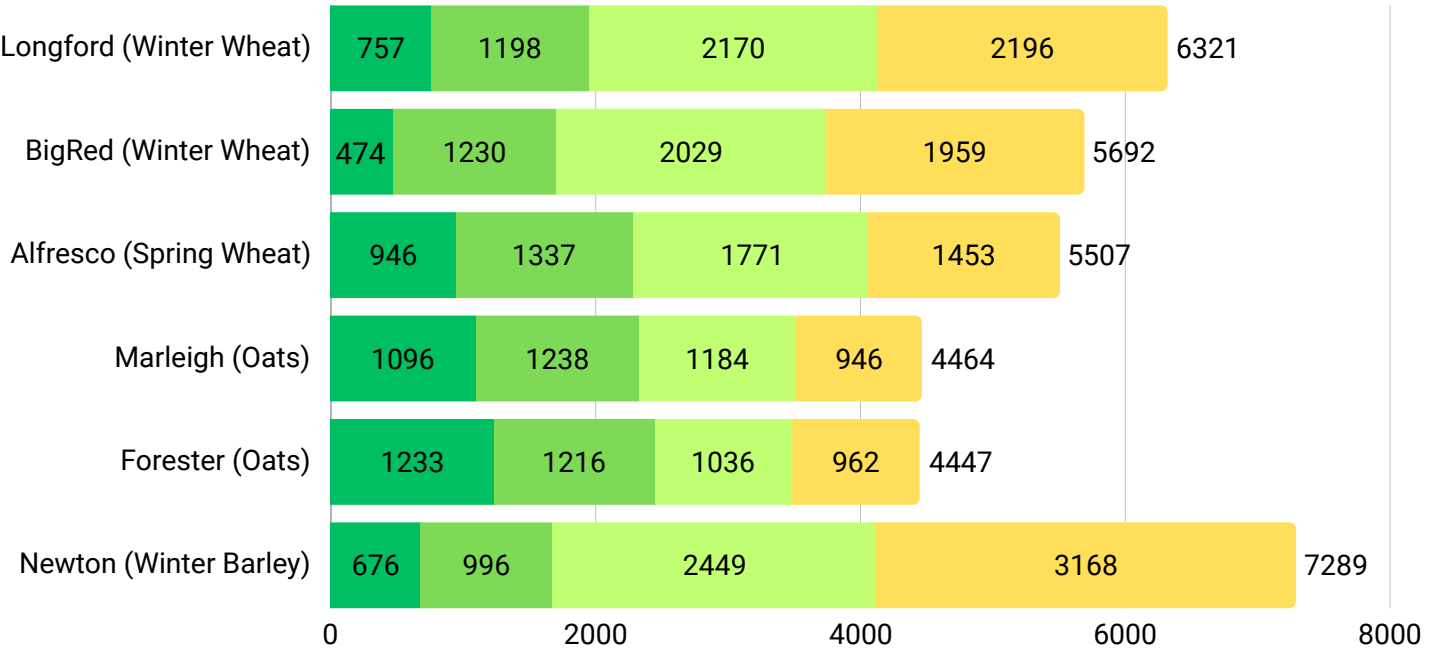


Chart 3: AGF Seeds 2024 Forage Wheat Variety Trials. Mean dry matter (kg/ha)



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