

## VARIETY ATTRIBUTES

Havoc has good yield stability and is well adapted to Northern quick finishing, low-medium rainfall areas areas of WA

Premium Hard AH (N) classification and suitable for Noodle blending segregations in WA

Yield advantage of 2-7% on Mace and competitive with Scepter in sub 3.0t/ha years

Quick maturity for complementary main season planting, good protein accumulation and reliable grain package

Good Stripe Rust (MR), Nodorum blotch (MS) and Yellow Spot (MRMS) resistance

Improved Powdery Mildew resistance (MS) over Scepter to reduce disease build up in lower canopies

## AGRONOMIC FEATURES

The cross (Mace/LPB07-0980) aimed to combine Mace's broad adaption with the superior canopy of a high yielding LongReach breeding line.

Havoc has a compact plant type throughout the season with an erect open canopy with upright leaves. Havoc spends time developing tillers in a similar manner to Wyalkatchem but with noticeable broader leaves to improve competition and vigour. Importantly Havoc has retained Wyalkatchems trait of prioritising tillering and does not rush like Mace has shown a tendency to do in warmer winters. The typical timing of heading is between Corack and Mace making Havoc a quick main season variety.

The flag leaf is distinctively erect with blocky heads at grain filling and Havoc has a similar height to Cobra or Wyalkatchem at maturity. From heading to grain filling, Havoc has shown it develops very fast to be a quick finishing variety at harvest.

### DISEASE RESISTANCE

Stem Rust		S
Leaf Rust		S
Stripe Rust YrWA		MR
Septoria Tritici Blotch WA		MRMS
Septoria Nodorum Blotch (Leaf)		MS
Septoria Nodorum Blotch (Glume)		MRMS
Crown Rot		MSS
Yellow Spot		MRMS
Powdery Mildew WA		MS
CNN Res		S
Black Point		MS
P.thornei	Res	MSS
P.neglectus	Res	S
P.quasitereoides	Res	MRMS

Resistance ratings: VS=Very Susceptible, S=Susceptible  
MS=Moderately Susceptible, MR=Moderately Resistant  
R =Resistant, Tol Rating - T=Tolerant, MT=Moderately Tolerant  
MI=Moderately Intolerant, I=Intolerant, VI=Very Intolerant.  
Varieties with # indicate susceptibility to pathotype variant. Data sourced via NVT ([www.nvtonline.com.au](http://www.nvtonline.com.au)) and LRPB Disease Screening Results Feb 2023. p=Preliminary Data Based on limited data set

# HAVOC SUPERIOR GRAIN PACKAGE

WA main season grain receivals data, showing Test weight (Kg/hl) and 2.0mm Screenings (%) from the 2019-2020 NVT data across 78 Sites

	Test Weight	Screenings		
Variety	Avg kg/hl	Sites <76 Kg/hl	Avg % >2.0mm	Sites >5% Screenings
LRPB Havoc	80.73	5	3.1	15
Corack	79.77	10	2.9	15
Scepter	79.44	14	4.5	26
Mace	79.37	11	4.2	24

Grain receivals data from NVT trials indicate that LRPB Havoc is less likely to be downgraded when compared to other key varieties.

This data shows NVT results (2019-2020) from 78 sites, comparing Test weight and screenings for basic grading criteria at delivery.

This data indicates that Havoc may be downgraded less often, in fact half to one third the number of times when compared to other key varieties for test weight. Havoc went above the 5% screenings cut-off significantly fewer times than Scepter and Mace.

Havoc is a reliable and robust on farm performer, that is less likely to be downgraded at delivery than many other key varieties. It stands up to hard tight finishes and still delivers when it counts for the grower.

## YIELD PERFORMANCE

WA Main season long term (2018-2022) NVT MET predicted yield (%SMY) yearly comparison across Agzones 1, 2, 4 & 5

	Group	2018	2019	2020	2021	2022
	Mean Yield	3.55 t/ha	1.77 t/ha	2.60 t/ha	4.21 t/ha	4.55 t/ha
Variety	Trials	33	34	35	31	37
Scepter	170	109	111	109	109	107
LRPB Havoc	170	106	109	108	109	100
Corack	102	105	108	105	107	98
Mace	170	102	106	103	102	98

Havoc excels in the tough finishing environments of Agzones 1, 2, 4 and 5



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