Variety snapshot

- Quick-mid maturity, similar to Corack
- Suited to low-medium rainfall areas of WA, particularly the northern agricultural region
- AH quality classification
- High yielding alternative to Corack, Vixen and LRPB Havoc
- Quicker maturing compliment to Scepter
Breeder’s comments

Arising from a Mace\textsuperscript{(b)} backcross, Sting\textsuperscript{(b)} (tested as RAC2559) has emerged out of our breeding programme as a high yielding, quicker maturing variety, particularly suited to the low-medium rainfall environments of WA.

With a maturity very similar to Corack\textsuperscript{(a)}, Sting\textsuperscript{(b)} is well suited to the northern agricultural region and other environments where shorter growing seasons occur.

We view Sting\textsuperscript{(b)} as a higher yielding alternative to Corack\textsuperscript{(a)} and LRPB Havoc\textsuperscript{(a)}, whilst offering a complimentary variety to use in conjunction with leading variety Scepter\textsuperscript{(a)}. As an alternative to Vixen\textsuperscript{(a)}, Sting\textsuperscript{(b)} offers competitive yields, but does not have the very quick maturity of Vixen\textsuperscript{(a)}, giving Sting\textsuperscript{(b)} a more flexible sowing window.

Sting\textsuperscript{(b)} offers growers a reliable physical grain quality package, with an AH quality classification.

Seed availability

Commercial quantities of Sting\textsuperscript{(b)} may be available through AGT Affiliates, or your local retailer. Please consult the AGT website for AGT Affiliate contact details. Sting\textsuperscript{(b)} is able to be traded between growers upon the completion of a License Agreement as part of AGT’s Seed Sharing™ initiative.

PBR and EPR

Sting\textsuperscript{(b)} is protected by Plant Breeders Rights (PBR) and all production (except seed saved for planting) is liable to an End Point Royalty (EPR), which funds future plant breeding. Sting\textsuperscript{(b)} growers will be subject to a Growers License Agreement that acknowledges that an EPR of $3.50/tonne + GST has to be paid on all production other than seed saved for planting.
Grain yield

AGT trials over a number of years and limited NVT testing has shown that Sting\textsuperscript{a} offered a significant yield advantage over Corack\textsuperscript{a}, yielding slightly below Vixen\textsuperscript{a} (Figures 1 & 2). More AGT and NVT data will be generated in the 2020 season to provide growers with a greater understanding of Sting’s\textsuperscript{a} fit in the WA farming system.

**Figure 1** Grain yield of Sting\textsuperscript{a} across WA – AGT data

![Graph showing grain yield of Sting across WA](image1)

Source: AGT long term MET analysis 2016-2019 (all WA sites)

\(*\) Number of trials that each variety was present in across the WA dataset [31]

**Figure 2** Grain yield of Sting\textsuperscript{a} across northern Agzones – NVT data

![Graph showing grain yield of Sting across northern Agzones](image2)

Source: NVT main season series long term MET analysis 2015-2019

[ ] Total number of trials per region

\(*\) Number of trials that each variety was present in across the dataset [135]
Maturity
AGT trials in 2019 showed that Sting reached head emergence around 3-4 days later than Vixen and was very similar to Corack. Those that are familiar with the maturity of Corack should feel comfortable in planting Sting in the same sowing window.

Figure 3  Head emergence of Sting and comparator varieties relative to Corack

Source  AGT main season trials in 2019 (WA/SA, average of 2 trials)

Table 1  Variety comparisons

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<thead>
<tr>
<th></th>
<th>Sting*</th>
<th>Corack</th>
<th>LRPB Havoc</th>
<th>Scepter</th>
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</table>

R  Resistant
MR  Moderately Resistant
MS  Moderately Susceptible
S  Susceptible
VS  Very Susceptible
*  Provisional ratings

Source / DPIRD 2020 Western Australian Crop Sowing Guide, NVT and AGT data
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