

PBA Bendoc faba bean update

Irregular Plant Types

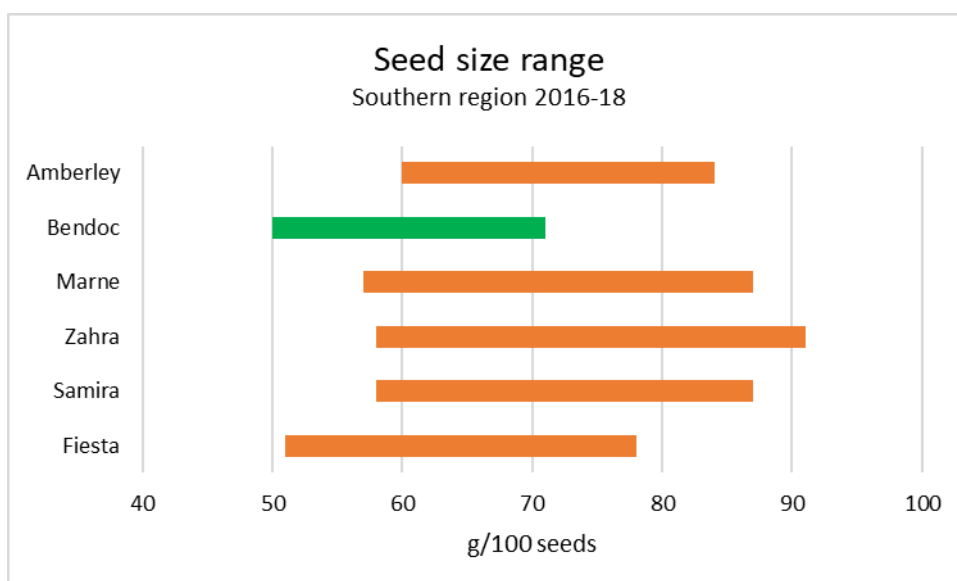
In 2019 a low level of off-type plants of PBA Bendoc were observed in some crops and field trial plots. These off-type plants developed “crinkling” of the upper leaves above the level of the first flowers. The underside of the affected leaves developed brown lesions within the interveinal regions. In some cases the affected leaves were restricted to 4 or 5 nodes and normal leaves developed above this point. Normal flowering and pod set was observed within the affected zone. The frequency of affected plants varied from not observed in the crop or trial to several percent of plants. The cause of the symptoms is unknown, however the distribution of off-type plants within field trials was not consistent with a pathogen and no disease was identified on the affected plants.

Source: Jeff Paull, Faba bean breeder, University of Adelaide.



Grain size

PBA Bendoc has a small to medium seed size. The graph below shows the range of seed size for Bendoc compared to other faba bean varieties.



Source: Pulse Breeding Australia from 25 rainfed NVTs in SA, Vic and Sth NSW in 2016-18.