



ABB seeds

Supplying Australia's most innovative crop varieties.



DOZA[®]

Faba Bean

Key Features

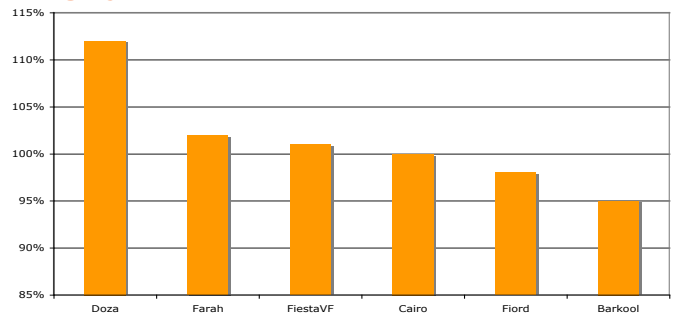
- ✓ Doza is an earlier flowering variety than Cairo, Fiord and Barkool
- ✓ Yield is up to 12 % higher than Cairo
- ✓ Medium & consistent sized seed, heavier in weight to Fiord & Barkool
- ✓ Rust resistance is superior to all other current varieties
- ✓ Chocolate spot resistance is superior to; Fiord, Barkool and Fiesta
- ✓ Frost tolerance is at least equal to Cairo



Overview

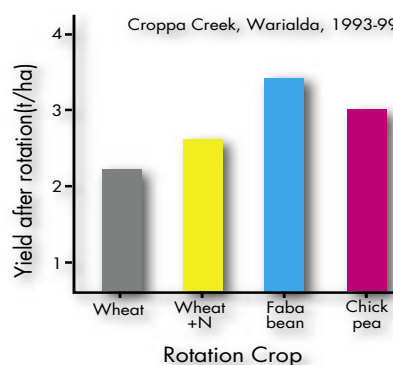
Doza is significantly better adapted to warmer spring temperatures in ntn NSW and Sthn QLD compared to existing varieties especially Cairo, Barkool and Fiord. In late April/early May plantings at Narrabri, Doza flowers an average of 10-14 days earlier than the Cairo, allowing more time for grain filling before warm spring temperatures induce plant maturity. Doza is resistant to rust. Susceptibility to Chocolate Spot is similar to Fiesta and better than Cairo, Fiord and Barkool. Doza has similar nitrogen fixing capacity to other faba bean varieties. Tests have shown that well inoculated faba bean crops in ntn NSW can contribute around 270kg /Ha to soil N levels, higher than chickpeas and other legumes. Doza has slightly smaller (9%) seed size than Cairo, with significantly fewer very large which should alleviate problems with blockages in seeding equipment experienced by some Cairo growers. Doza is recommended as an alternative to Cairo in central NSW and as the replacement for all current varieties in northern NSW and southern Queensland.

Yield



Source: Long term average yield as a percentage of Cairo, Northern NSW, 2003-2007 NSW DPI & NVT, over 35 sites except for Farah 17 sites.

Average Yields of Wheat



Average yields of wheat following wheat, with and without nitrogen fertiliser, and following faba bean and chickpea at Croppa Creek in northern NSW.

Source: H. Marcellos, W. Felton (2000). GRDC project DAN 23.



Growing Regions

To be used as a guide only



ABB seeds

Supplying Australia's most innovative crop varieties.



VARIETY SPECIFIC AGRONOMIC INFORMATION

Stoplight Disease Profile

| | Rust | Chocolate spot | Ascochyta |
|-------------|----------|----------------|-----------|
| Doza | R | S | VS |
| Barkool | S | VS | MS |
| Cairo | R-MR | VS | VS |
| Farah | S | S | R-MR |
| Fiesta VF | S | S | MR-MS |
| Fiord | S | VS | MS |
| Manafest | MS | MS | VS |
| Nura | MR | MR-MS | R-MR |

R = Resistant; MR = Moderately Resistant; MS = Moderately Susceptible; S = Susceptible; VS = Very Susceptible. Source - NSW DPI & University of Adelaide

Plant Profile

| | Maturity | Seed size (g/100 seeds) |
|-------------|----------|-------------------------|
| Doza | E | 40-60 |
| Barkool | E | 35-55 |
| Cairo | E | 50-75 |
| Farah | M | 65-70 |
| Fiesta VF | M | 55-75 |
| Fiord | E | 33-55 |
| Manafest | M | 80-100 |
| Nura | M | 50-65 |

E = Early; M = Mid. Source - NSW DPI & University of Adelaide

Disease & Plant Profile Summary – Seed size is more even resulting in less blockages. Doza is rated as Susceptible to Chocolate Spot similar to Fiesta and slightly better than Cairo and Barkool (VS). Growers are advised to apply an early treatment of a fungicide spray to protect against infection. Doza has superior rust resistance compared to all other faba bean varieties including Cairo. Doza is susceptible to Bean Leaf Roll Virus, Bean Yellow Mosaic Virus and Beet Western Yellows Virus. Control of insect carriers of these diseases is important to minimize infection. Ascochyta blight has not been observed in the northern growing regions to which Doza is suited and is not considered a threat.

Plant Breeding Rights & Royalties[Ⓢ]

Doza[Ⓢ] is protected by Plant Breeder's Rights (PBR). Any unauthorised commercial propagation or any sale, conditioning, export, import or stocking of propagating material of this variety is an infringement under the Plant Breeder's Rights 1994. Growers are allowed to retain seed from production of this variety for their own use as seed only.

An end point royalty of \$3.30 tonne ex GST is payable on all production excluding farm saved seed.

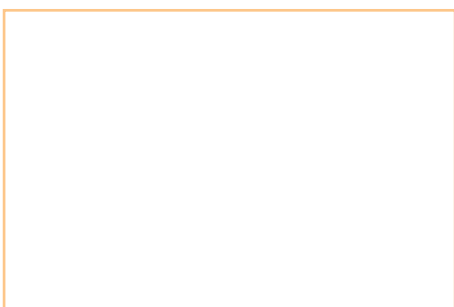
Breeding

Plant breeder Dr Ian Rose selected Doza in 2001 at the Australian Cotton Research Institute Narrabri. Breeding was supported by grower funding through the GRDC.

Contact & Seed Purchasing

Doza is sold through your local seed retailer. Check with your local store for seed availability and advice on optimum sowing time and crop management. Wholesale distribution by ABB Seeds.

CONTACT - ABB Seeds on Toll Free Number 1800 018205. Visit the seed section at www.abb.com.au Email abbseeds@abb.com.au



NSW DEPARTMENT OF
PRIMARY INDUSTRIES

Disclaimer: The information contained in this brochure is from official and other sources to July 2008 and is subject to change. Continuing agronomic evaluation or changes in pathogenicity of pests and diseases make it necessary for farmers to regularly seek updated information. ABB Grain Ltd. does not accept any responsibility for the consequences which may arise from the acceptance of recommendations or suggestions made. *All information current as at July 2008.