



2021 VARIETY TRIALS

Faba Beans Trial Summary

Variety trials under irrigation provide key information on varieties in terms of yield potential, grain quality and also assess varietal characteristics such as maturity, height, disease resistance and lodging. The Kerang Research Centre is predominantly self-mulching grey clay, or a medium grey clay, with a bit of red medium clay on the western section.

- Sowing Date** 7th May
- Target Plant Population** 25 plants/m²
- Seeding Rates** 167 - 250 kg/ha based on TGW
- Irrigation** 1.5 MI/ha - 9th April
0.9 MI/ha - 30th August
0.9 MI/ha - 26th September
0.8 MI/ha - 28th October
- Total Water** 4.1 MI/ha
- GSR** 160.4mm decile 2
- Fungicide** Chlorothalonil 1.5 l/ha 6th August
Chlorothalonil 1.5 l/ha 27th August
Veritas 1.0 l/ha 6th September
- Harvest** 15th December

E

Eight faba bean varieties and lines were sown, following pre-irrigation (1.5 ml/ha), on May 7th, with variable sowing rates aiming at 25 plants/m². Establishment was even and achieved the target population.

F

The trial received three fungicide applications; August 6th, August 27th, and September 6th.

W

The trial was irrigated three times in spring, beginning August 30th (0.9 MI/ha) again on September 26th (0.9 MI/ha) and on October 28th (0.8 MI/ha).

Results

7.3 t/ha
Average Yield

7.8 t/ha
Highest Yield

Table 1: Yield, bean size, plant height at harvest and lodging score.

Variety	Yield		Bean Size g/100s	Plant Height cm	Lodging Score
AF14092	7.79	a	88.8	115	2.0
AF15283	7.41	ab	79.0	115	0.5
Samira	7.35	ab	76.2	105	1.5
Fiesta	7.30	b	65.4	110	1.0
Bendoc	7.28	b	65.3	110	0.0
Marne	7.19	bc	78.1	110	3.0
AF15278	6.95	bc	75.3	110	1.5
Amberley	6.79	c	73.4	115	0.5
p	0.012				
Isd	0.472				
cv%	4.4				
Trial Mean	7.26				

Reminder, if any variety has the same significance letter there is no difference in yield despite the differences harvested and analysed in yield values.

Note: This is only one trial in one location/environment. It is advised to consult other trial results over multiple sites and seasons before making annual variety decisions.