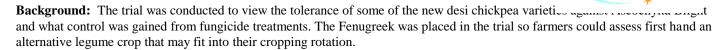
## **Chickpea Variety X Fungicide Trial**

**Aim:** To determine the susceptibility of new chickpea varieties and fungicide treatment against Ascochyta blight.

**Research Officer:** Mark Ladny **Company:** Povers Rural Traders

Farmer: Barry and Kevin Fowler

Location: Coorow



## **Trial Details:**

Chickpeas: Ascochyta rating

1 = Howzat MS Fenugreek: 2 = Sona 4028 MS-MR 5 = Might 150292

3 = Heera S 6 = Power 150262

4 = Flip 94-508C R

Plot size and replication	Fungicide = 52m X 2.4m Nil Fungicide 57m X 2.4m		
Soil type	Red Loamy Clay pH: 6.5		
Sowing date	23 <sup>rd</sup> May 2003		
Conditions at sowing	Good		
Machinery	Combine, full cut on 8 inch spacings		
Seeding rate	Chickpeas 100 kg/Ha Fenugreek 25 kg/Ha: P-Pickle-T was applied to Chickpeas and all seed		
	was inoculated accordingly.		
Fertiliser	DAP 80 kg/Ha		
Herbicides, Fungicides and	19 <sup>th</sup> May: Knockdown herbicide application: Glyphosate (450) 750 mL/ha + Hammer® 30		
Insecticides.	mL/ha + Alpha-Cypermethrin 150 mL/Ha + wetter 0.2%		
	29 <sup>th</sup> May: Pre-emergent application: Balance® 100 g/Ha + Simazine 825 g/Ha		
	Fungicide application: Echo® 1 L/Ha – 3 applications throughout the season		
Paddock History	2002 = Wheat, 2001 = Wheat, 2000 = Wheat		

Results: Yield results from applying fungicide in comparison with nil fungicide. Yield is t/ha.

Variety	Nil Fungicide	Fungicide
Fenugreek Might	0.44	0.29
Fenugreek Power	0.50	0.38
Heera	0.32	0.23
Flip	0.73	0.62
Howzat	0.38	0.48
Sona	0.58	0.56

## **Summary:**

- There appeared to be little difference in yield between applying fungicide and nil fungicide. The slight decrease in yield from having applied fungicide may have been caused from wheel track damage.
- Flip 94-508C offered the best performance, gaining yields of 0.77 t/ha with or with out fungicide.
- Kangaroos enjoyed the trial as much as we enjoyed establishing it, thus the poorer than expected yield results.
- The fenugreek variety Power gave the best yield results as expected as Power is the variety for seed production and Might is a fodder variety.

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