

TRIAL SUMMARY

Terrus Pro Replicated Field Trial Summary (Faba Bean Yield)



Aim

Determine Terrus Pro yield response and profitability in Faba beans by comparing various rate of Terrus Pro granules to Granulock Z as a starter fertiliser.

Trial Details

| | |
|--------------------------|---|
| Year: | 2023 |
| Organisation: | Pure Grain |
| Trial Manager: | Brooke Sauer |
| Trial type: | Strip trial (Replicated) |
| Crop: | Faba beans |
| Variety: | PBA Warda |
| Location: | Pallamallawa |
| Property: | "Dimboola" |
| Trial conditions: | Less than average rainfall |
| Application: | In-furrow |
| Treatment rates: | Control (no treatment) 50kg Granulock Z 50kg Terrus Pro 100kg Terrus Pro 150kg Terrus Pro Nodulaid on 100kg Terrus Pro |



Faba roots in the field – Nodulaid® applied to 100kg Terrus Pro

Results and Observations

During flowering Terrus Pro had a positive impact on nodulation visually when assessing nodule, root biomass and structure. At the cutting out stage there were visual differences in greenness and apparent plant health observed between treatments.

Figure 2. YIELD AND ECONOMICS

| Treatment | Product | COST OF FERT APPLICATION | | | YIELD / PROFIT | | | Combined Cost/Profit Difference \$/ha* |
|-----------|------------------------|--------------------------|------------|-----------------|----------------|--------------|-------------------|--|
| | | Rate kg/ha | Cost \$/ha | Cost \$/ha (A)* | Yield t/ha | Income \$/ha | Profit \$/ha (B)* | |
| Standard | Granulock Z | 50 | \$60.00 | \$60.00 | 0.68 | \$272.00 | - | - |
| 1 | Nil | 0 | \$0 | -\$60.00 | 0.69 | \$276.00 | +\$4.00 | +\$64.00 |
| 2 | Terrus Pro | 50 | \$35.00 | -\$25.00 | 0.71 | \$284.00 | +\$12.00 | +\$37.00 |
| 3 | Terrus Pro | 100 | \$70.00 | +\$10.00 | 0.79 | \$316.00 | +\$44.00 | +\$34.00 |
| 4 | Terrus Pro | 150 | \$105.00 | +\$45.00 | 0.8 | \$320.00 | +\$48.00 | +\$3.00 |
| 5 | Terrus Pro + Nodulaid® | 100 | \$70.00 | +\$10.00 | 0.75 | \$300.00 | +\$16.00 | +\$6.00 |

* Cost/profit differences are in relation to Standard treatment (Granulock Z)

Faba Beans \$400/t | Granulock \$1200/t | Terrus Pro \$700/t

Conclusion

Low yields were influenced by lower than average rainfall in the Faba bean trial. Results indicate that there was a trend toward increased yields as the rate of Terrus Pro also increased.

(Data extracted from Pure Grain research report)