

TRIAL SUMMARY

Starter Fertiliser Substitution with Terrus Granules (Sorghum)

metagen
AUSTRALIA



Aim

Determine yield response and profitability in Sorghum by comparing blends and standalone additions of Terrus and starter fertiliser.

Trial Details

Year:	2024
Organisation:	Metagen
Trial manager:	Kerrie Toohey
Trial type:	Replicated strip trial
Crop:	Sorghum (Dryland)
Variety:	Resolute
Location:	Dalby
Property:	"Marlslie"
Trial conditions:	Higher than average rainfall
Application:	In-furrow at planting
Treatment rates:	

Treatment	Rate (Kg/Ha)	Rate (Kg/Ha)
Starter fertiliser	–	40
Terrus	50	–
Terrus	100	–
Terrus/Starter fertiliser	25	20



Image courtesy of Metagen

Results and Observations

Visually, there were no differences between treatments during the vegetative stage.

Figure 1. **YIELD AND ECONOMICS**

Treatment	Rate (Kg/Ha)	Rate (Kg/Ha)	Yield (T/ha)	Starter fertiliser yield comparison (T/Ha)	Starter fertiliser income comparison (\$/Ha)	Starter fertiliser input cost comparison (\$/Ha)	Starter fertiliser Net income comparison (\$/Ha)
Starter fertiliser	–	40	4.79	NA	\$0.00	\$0.00	\$0.00
Terrus	50	–	5.08	0.29 (+6%)	\$101.00	-\$25.00	\$126.00
Terrus	100	–	5.17	0.38 (+8%)	\$133.00	\$0.00	\$133.00
Terrus/Starter fertiliser	25	20	5.22	0.43 (+9%)	\$150.00	-\$12.50	\$162.50

Yield data extracted from Metagen trial data

PRICE ASSUMPTIONS

Starter fertiliser (Granulock Z™)	\$1,250/T
Terrus	\$500/T
Sorghum	\$350/T

Conclusion

Results indicated that Terrus and a blend of Terrus and starter fertiliser can be used successfully in Sorghum. In terms of net income, the blend of Terrus and starter fertiliser outperformed all other treatments, including a standalone treatment of starter fertiliser at 40Kg/Ha.