

TRIAL SUMMARY



Terrus and Gyptek Profitability and use as a Starter Fertiliser

Aim

Determine Terrus Pro and Gyptek profitability and impact on emergence by comparing the granules to industry standard fertiliser.

Trial Details

Year:	2023
Organisation:	Elders
Trial manager:	Maree Crawford
Trial type:	Small plot (Replicated)
Crop:	Wheat
Location:	Pampas
Property:	"Tosari"
Trial conditions:	Higher than average rainfall
Application:	In-furrow
Treatment rates:	Control
	120kg/Ha Terrus + biological
	30kg/Ha Gyptek
	100kg/Ha urea + 50kg/Ha Granulock Z (Industry standard)



"Tosari" trial site. Photo used with permission from Elders.

Results and Observations

Data suggests there was a decreased time to emergence, increased leaf number and shoot dry weight in the Terrus + biological treatment in comparison to the control (Refer to figure 1).

Figure 1. **IMPACT ON EMERGENCE**

Treatment	Days to emergence	Leaf number	Shoot dry weight (Mg)	Root dry weight (Mg)
Control (UTC)	7	2	9.24	1.45
Terrus + biological	4.2	2.4	11.21	2.54
Industry standard	5	2.2	10.64	1.98

Data extracted from Elders technical services report

Figure 2. **YIELD AND ECONOMICS**

Treatment	Rate (Kg/ha)	Yield (T/ha)	Financial	ROI over UTC	Cost/ha	Benefit over Industry Standard (Ha)
Control (UTC)	0	3.2	\$1,040.00	\$0.00	-	-\$72.90
Terrus + biological	120	5.119	\$1,663.68	\$623.68	\$52.80	\$497.98
Gyptek	30	4.062	\$1,320.15	\$280.15	\$16.20	\$191.05
Industry standard	150	4.132	\$1,342.90	\$302.90	\$230.00	(NA)

Conclusion

Results suggest that the Terrus treatment increased the return substantially over the industry standard application (Refer to figure 2). Wet conditions may have contributed to the performance of both Terrus and Gyptek granulated products.