

GRASSDALE CHICKPEA DEMONSTRATION

The granule's unique design makes it an ideal carrier for beneficial microbes, ensuring effective delivery and strong establishment in the soil for maximum crop performance.



Yield data has now been received from a number of demonstration strips established on Mort & Co's Grassdale farm as part of the 2025 chickpea crop.

Demonstration Details

- 1. Standard Treatment** – Chickpea seed inoculated with rhizobia, then planted with 40kgs of MAP/Ha.
- 2. Terrus Pro InX added** – This treatment mirrored the standard application, with the addition of 50 kg/ha of Terrus Pro InX. Terrus Pro InX builds on the proven Terrus Pro formulation by incorporating five beneficial *Bacillus* strains, coated onto the granule.
- 3. Terrus Pro InX inoculated** – In this treatment, rhizobia inoculation was applied to the Terrus Pro InX granules *instead* of the chickpea seed. The granules were inoculated using the same equipment typically used for seed inoculation, immediately prior to loading into the air cart bins.

The yield results are set out in the table below.



TERRUS PRO IN-X – YIELD & COST COMPARISON (CHICKPEAS)

Treatment	Product	Rate kg/ha	Cost \$/ha	Product	Rate kg/ha	Cost \$/ha	Total Cost \$/Ha	Difference \$/ha (A)	Yield t/ha	% Of STD	Income \$/ha	Difference \$/ha (B)	Total Difference \$/ha (Combined)
Standard Treatment (inoculated seed)	MAP	40	\$46.40	–	0	–	\$46.40	\$46.40	1.4	100	\$840.00	–	–
Inoculated Seed + Terrus Pro In-X	MAP	40	\$46.40	Terrus Pro In-X	50	\$35.35	\$81.75	\$35.35	1.86	133	\$1,116.00	\$276.00	\$240.65
Terrus Pro In-X granule inoculated w/ Rhizobia	MAP	40	\$46.40	Terrus Pro In-X	50	\$35.35	\$81.75	\$35.35	2.25	161	\$1,350.00	\$510.00	\$474.65

Results

Treatment 2 – The addition of Terrus Pro InX to the MAP resulted in a 33% yield increase, more than offsetting the additional fertilizer cost of \$35.35/ha and delivering a net income gain of \$240.65/ha.

Treatment 3 – Inoculating Terrus Pro InX granules with chickpea rhizobium delivered a remarkable 61% yield increase, boosting potential income by \$474.65/ha.