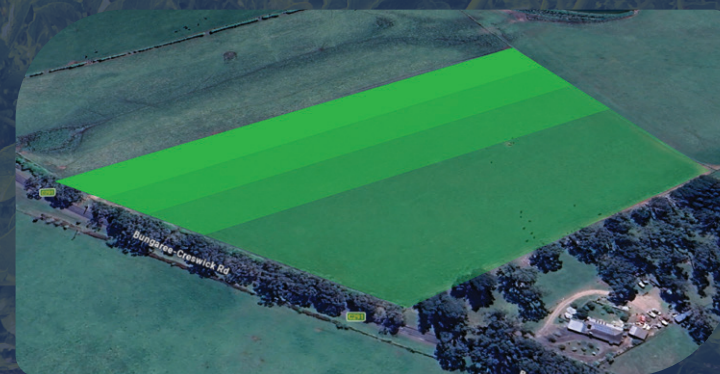


Potato Yield Response – AgriGro

CASE STUDY | POTATO GROWING REGIONS (Ballarat, VIC – Lower South East, SA)

- Trials were established on clay loam soils in Ballarat, Victoria, contrasting with the lighter sandy soils under trial in South Australia, to assess **AgriGro** compost as a pre-plant amendment ahead of a commercial potato crop.
- Compost was incorporated prior to planting, with plots monitored from crop establishment through canopy development to harvest, measuring both early vegetative response and final yield.
- **Study 1** – Application Rate: **AgriGro** at 6 t/ha and 12 t/ha versus an untreated control, assessing yield and cost response to application rate.
- **Study 2** – Organic Input Comparison: **AgriGro** at 5 t/ha versus an untreated control and equivalent-rate feedlot manure, measuring tuber number, stem count, per-plant weight and estimated yield.
- Both studies aimed to generate site-specific evidence of **AgriGro's** performance, inform application-rate recommendations and support further trial work in the following season.



Study 1

Compost Application Rate Response, Victoria

A replicated potato trial compared an untreated control against **AgriGro** applied at 6 t/ha and 12 t/ha, measuring yield response and return on investment through to harvest.

Treatment	Cost / ha	Yield vs Control	ROI / ha
AgriGro 6t / ha	\$300	+ 2.88t / ha	\$1,440 - \$1,584
AgriGro 12t / ha	\$600	+ 5.44t / ha	\$2,720 - \$2,992

ROI based on additional yield × \$500–\$550/t farm-gate potato value.

*Australian Bureau of Agricultural and Resource Economics and Sciences (ABARES), Vegetable Industry Survey,
Australian Government Department of Agriculture, Fisheries and Forestry.*

Costings	\$/ton
Compost	\$15
Transport	\$20
Spreading	\$15
TOTAL	\$50



Control



6t / ha

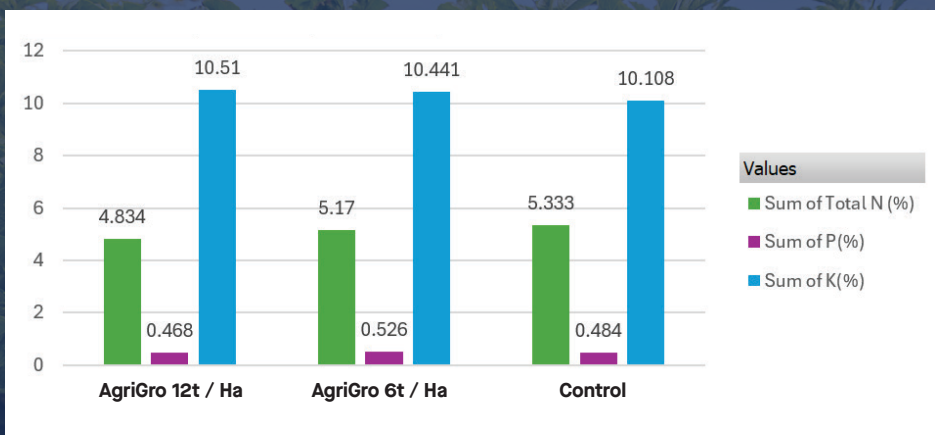


12t / ha

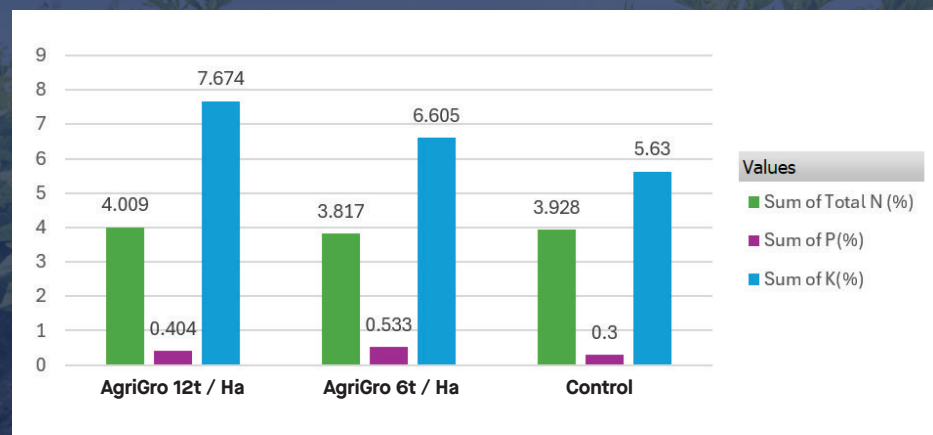
Study 1

Nutrient Availability Throughout Crop Growth

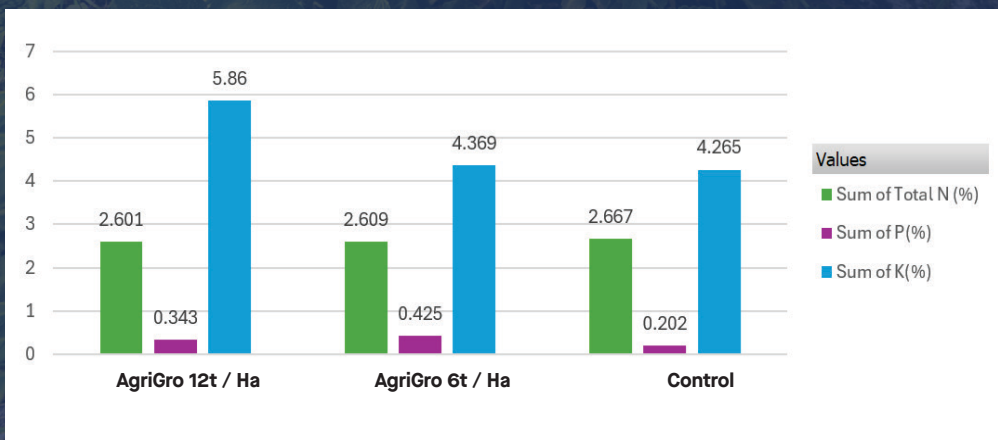
3 Feb 2026



4 Mar 2026



25 Mar 2026



Key Takeaways

- Nutrient levels declined across all treatments from February to March, consistent with nutrient uptake during crop development.
- AgriGro** 12 t/ha maintained the highest K level by 25 March (5.86%), well above both **AgriGro** 6 t/ha (4.37%) and the control (4.27%).
- Phosphorus remained higher under both **AgriGro** treatments than the control, with **AgriGro** 6 t/ha recording the highest P level (0.425%).
- Nitrogen levels were broadly similar by March, with both **AgriGro** rates slightly below the control.
- Overall, the results indicate **AgriGro** treatments maintained higher P and particularly K availability through crop development, with the 12 t/ha rate showing the strongest K result.

Study 2

Plant Vigour on South Australian Clay Loam

A second regional trial in South Australia compared **AgriGro** compost (5 t/ha) against an untreated control and feedlot manure applied at the same rate, assessing early-season plant development.

Metric (average)	Control	Feedlot Manure	AgriGro
Tubers / plant	8.2	8.0	9.4
Stems / plant	3.8	3.5	4.6

AgriGro-treated plants produced 15% more tubers and 21% more stems per plant than the untreated control - outperforming both the control and feedlot manure on these early vigour indicators.

Regional Findings

Soil-health responses to **AgriGro** were clearest on Victorian clay loam soils, and grower interest in the region has grown following these trial results. Reduced-rate and comparative fertiliser trials are planned for the coming season to further refine application rates and return on investment.

Bio Gro. Soil first. Future-focused.

Bio Gro is an Australian, family-owned company committed to helping farmers and growers build healthier soils for lasting productivity and resilience. With over 50 years of experience in organic soil improvement, Bio Gro recognises that true soil health requires more than just nutrients - it's about fostering a living, balanced soil ecosystem.

Our carefully processed organic composts and formulations increase nutrient supply, improve soil structure, and enhance soil biology. This leads to stronger crop and pasture growth, higher yields, and greater resilience against drought and adverse conditions.

At Bio Gro, we put soil health first to help you maximise productivity today and protect the land for future generations.



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AgriGro is supplied by Bio Gro. Speak with your Bio Gro Representative to discuss these trial results and application rates for your region.