

Amending a newly renovated soil with compost

Location: 10km west of Penola, South Australia

Objectives:

- Assess the impact compost has on the growth and productivity of potatoes.
- Assess the ameliorating properties of compost in a newly renovated sandy soil.

Background:

This trial is located on a newly established pivot on sandy soil west of Penola. In its first year of production, this pivot has also been spread with Bio Gro's AgriGro, a base compost intended for agricultural use.

Potatoes will be the first crop grown in this newly established pivot, and their growth and productivity monitored with and without compost applied.

Crop Type: Potatoes cv Innovator

Start date: 27/11/2025

End date: 1/6/2026

Treatments:

- Control – No compost applied
- AgriGro – Spread at 5t/ha

AgriGro is a high-quality base compost designed for broad agricultural use.

Trial Measurements:

- Establishment rate – Assessed once, 2-4 weeks post germination.
- Biomass and phenology – Monitored 2-3 times during the growing season.
- Potato yield – Measured at harvest