

2025 - 2026



SUNFLOWER TRIAL

To determine the effectiveness of Nature's **Kos** line of Organic chicken manure fertilisers on Sunflower.

Crop & Seed Information

Crop Type:	Sunflower
Seed Variety/Type Used:	Pan 7102CLP
Seed Source:	Pannar
Plot Size:	100 SQ Meter / 1 % of Hectare
Soil Type:	Sand
Soil Preparation Details:	Used un-cultivated field, ploughed & planted
Planted date:	11 Jan 2025
Seed Rate	13 rows / 16 plants/row
Seeds planted:	208
Plants germinated:	201 (96%)
Harvest Date:	19 May 2025

Fertilizing Schedule

Trial Crop 1	Nutri-Groei (solid) at planting, Nutri-Groei+ @ 2 & 6 weeks after germination
Trial Crop 2	Nutri-Groei+ (Liquid) at planting, and 2 & 6 weeks after germination
Mixer Ratio:	1/10 (1L fertiliser to 9L of water
Application	Backpack sprayer onto the base
Quantity:	2L mixer (20L/hectare)

Notable differences

- When used as directed NG range of Organic fertilisers does no harm to the plant
- Plant grew larger, healthy and strong
- Flower looked supersized
- The stem of the plant grew to 5cm thick
- Average plant height 1,6m
- Average head size 35cm
- Average head weight before drying 2,7kg
- Average seed yield @ 9% moisture 140g

Proven Performance

Field trials with Nature's Kos organic fertilisers show clear performance benefits in sunflower production. The crop **achieved a 96% germination rate**, highlighting strong early establishment. Plants grew larger, healthier, and more robust, indicating excellent nutrient availability and plant strength. Sunflowers produced supersized heads (35 cm average) with strong mass (2.7 kg before drying), directly contributing to improved yield potential. The trial delivered an extrapolated yield of **2.814 tons per hectare**, proving that organic fertilization can achieve commercially viable results.

- All transport cost to be borne by Client/Customer/Farmer
- all prices are ex VAT.
- It must be noted that VAT registered Farms will not be charged VAT, as fertiliser is a zero rate input product for large farming



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