

## NUCLEON

### NUCLEON IN CARROTS MYALUP, WA, 2022

#### Nucleon features

- Liquid enzyme additive containing lipase and mannanase to enhance nutrient uptake in horticultural crops
- Helps stimulate native microbial populations
- Can be applied with liquid fertilisers at planting, through dripline or side dressed in crop
- Helps improve soil and plant health, growth and yield

#### Treatments

- To determine the potential of Nucleon to improve carrot plant health, yield and quality

	Treatment	Rate mL/ha
1	Standard Fertiliser Program	-
2	Standard Fertiliser Program + Nucleon	50
3	Standard Fertiliser Program + Nucleon	75

- Nucleon applied in-furrow
- Planted 14 April 2022, harvested 15 September 2022
- Soil type: Sandy loam
- Variety: Treviso



#### Trial highlights

	50mL/ha	75mL/ha
Increased yield over standard	3t/ha	4.1t/ha
Increased return* over standard	\$3,000/ha	\$4,100/ha
ROI	67.6	61.5

#### Standard Fertiliser Program



#### Standard Fertiliser Program + Nucleon 75mL/ha



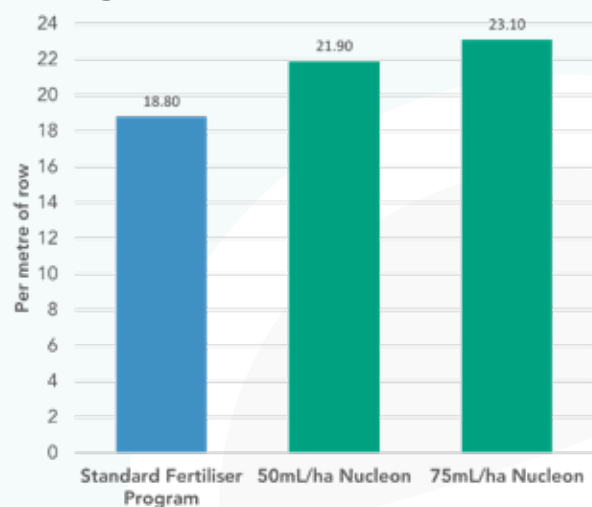
ROI of 67.6 and 61.5 for Nucleon at 50mL/ha and 75mL/ha respectively

\* Assumed carrot price of \$1,000/t

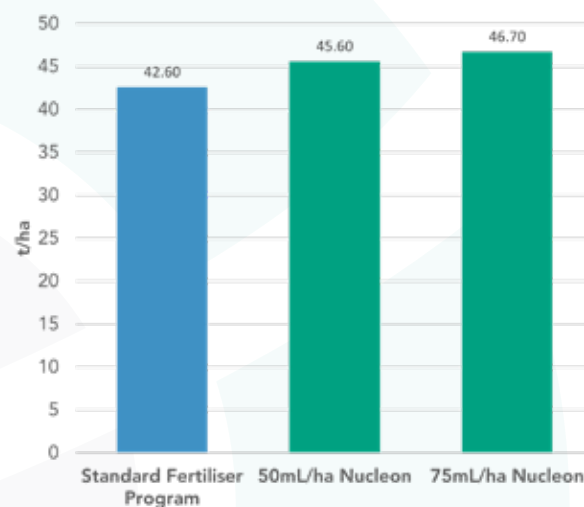


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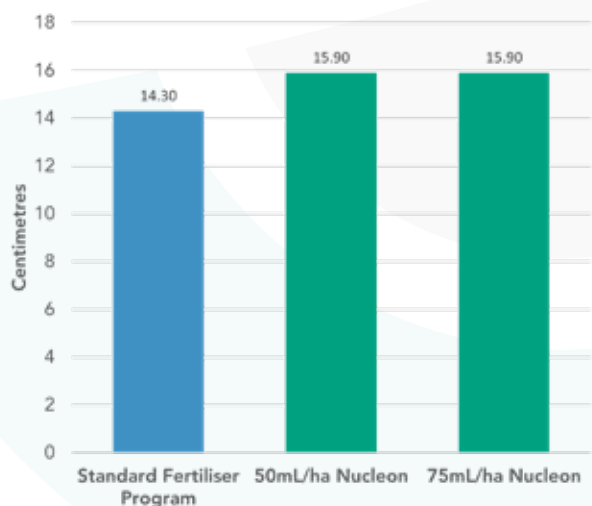
### Emergence



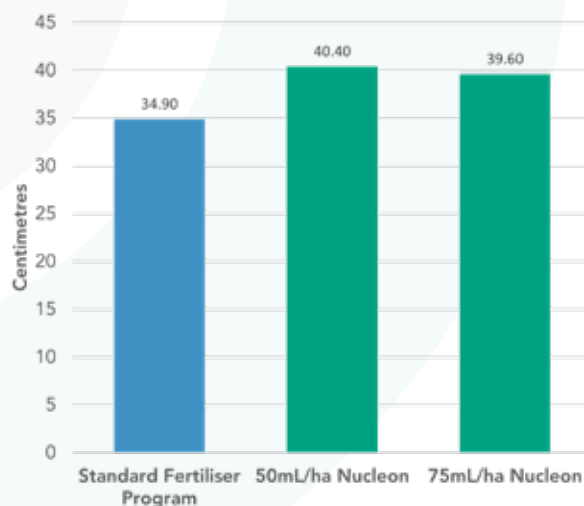
### Yield t/ha



### Root length



### Top length



Replicated trial conducted by Living Farm [livingfarm.com.au](http://livingfarm.com.au)

The information provided in this Info Sheet is an extract and does not constitute the full Directions for Use. PLEASE READ THE PRODUCT LABEL THOROUGHLY BEFORE USE.