

NUCLEON

NUCLEON IN POTATOES

VIRGINIA, SA, 2022

Nucleon features

- Liquid enzyme additive containing lipase and mannanase to enhance nutrient uptake in sugarcane and 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 addition of Nucleon to increase total and premium yield in comparison to grower standard practice

Grower Standard	Rate
Amistar 250SC*	1.1L/ha
Confidor Guard*	1.5L/ha
EndoPrime*	150g/ha
Viva*	8L/ha
Grower Standard + Nucleon	Rate
Grower standard products	Rates as above
Nucleon	100mL/ha

- Variety: Almera (yellow flesh – low GI)
- Planted 18 Jun 22, harvested 16 Nov 22
- All 5 test digs in Nucleon showed a yield increase over the control ranging from 6 to 23%



Grower Standard + Nucleon 100mL/ha



Grower Standard

Trial highlights

- Nucleon treatment maintained visual difference throughout trial
- Marketable yield (tuber size 40 to 300g +) increase of 8.92t/ha or 11%
- Extra revenue of \$4,014 based on a \$450/tonne price or an ROI of 46:1
- Total yield increase 9.54t/ha or 12%

Grower Standard + Nucleon 100mL/ha



17 Aug 22

Grower Standard



17 Aug 22



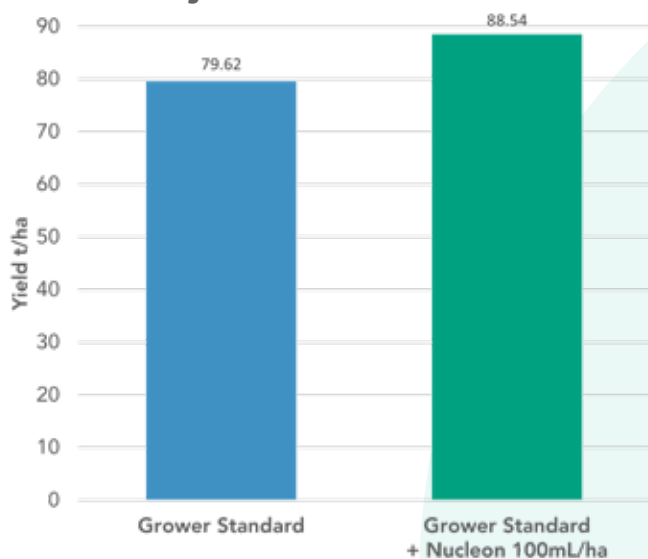
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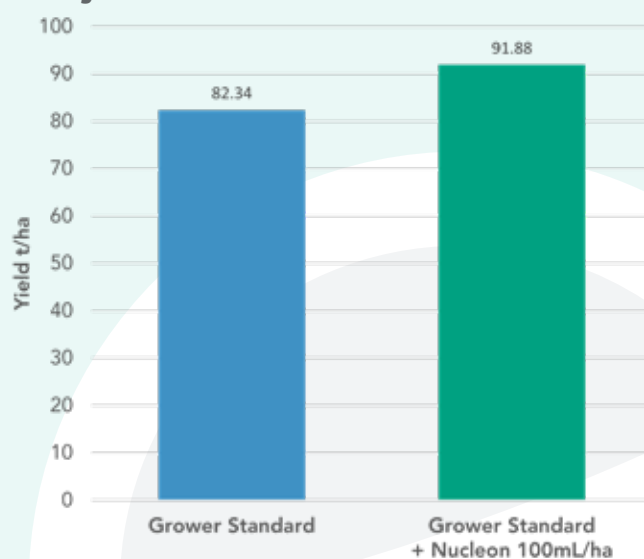
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Marketable yield



Total yield



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* Registered product