

NUCLEON

NUCLEON IN POTATOES TABLE CAPE WYNYARD, TAS, 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 potential of nucleon to increase tuber set, tuber size and yield of processing potato variety Ranger Russets

Treatments	Rate
Nucleon rate	75mL/ha single in-furrow application
Fertiliser pre plant	MOP @ 500kg/ha
Fertiliser in-furrow	8.16.8 (SOP +zinc) @ 2000kg/ha
Amistar* Fungicide in-furrow	Rate @ 1L/ha

- 5 hectares (generally uniform)
- Potatoes 1 year in 5, out of pasture rotation
- Planted 26 October 2021, harvested 15 March 2022
- Row spacing 900mm centre to centre of mounds
- Nucleon was applied in a mix with Amistar
- No grub pressure or scab incidence in any treatments



Trial highlights

- More fibrous root system in treated, with cleaner skins, less raised lenticels
- Total yield increase of 5.5t/ha

Nucleon - 1.305kg



Control - 1.225kg



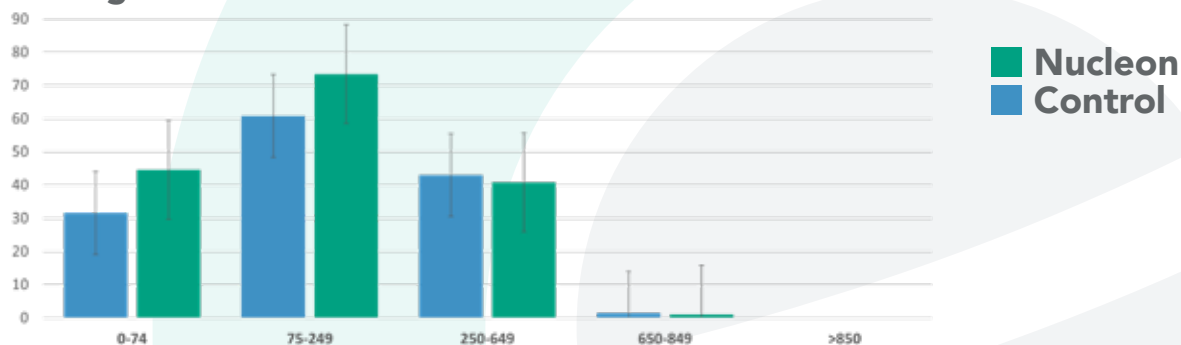
Total yield increase of 5.5t/ha



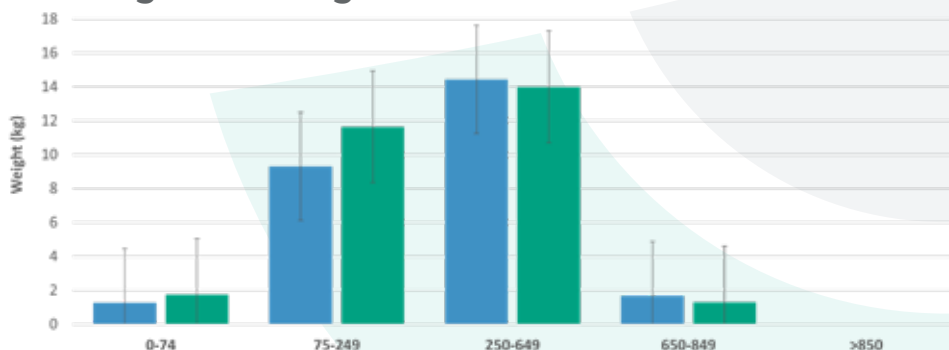
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NUCLEON IN RANGER RUSSETS TABLE CAPE, TAS, 2022

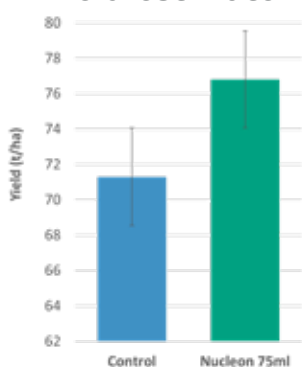
Average number of tubers/size class



Average total weight of tubers/size class

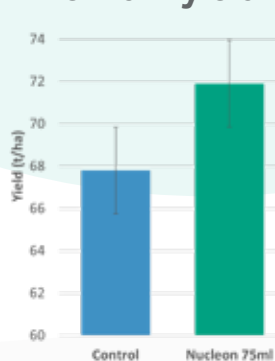


Yield estimate



**TOTAL
YIELD
INCREASE
OF 5.5t/ha**

Premium yield estimate



**TOTAL
YIELD
INCREASE
OF 4.1t/ha**

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.
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