

NUCLEON

NUCLEON IN POTATOES SISTERS CREEK, TAS, 2022 TRIAL SITE 1

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 increase tuber set, tuber size and yield of processing potato variety Russet Burbank

| Treatments | Rate |
|-----------------------------------|--|
| Nucleon split rate | 50mL/ha in-furrow at planting 50mL/ha spray rig applied at bandwidth 100% |
| Fertiliser pre plant | 0.6.17 @ 1500kg/ha |
| Fertiliser in-furrow | 9.14.17 @ 2800kg/ha |
| Metalax G* Fungicide in-furrow | 20kg/ha |

- Potatoes 1 in 5 year rotation
- Planted 20 Oct 21, yield assessment 13 Apr 22
- Soil temp: 12 to 12.4°C at planting
- Row spacing 900mm centre to centre of mounds
- Nucleon applied in-furrow in mix with Metalax G Fungicide



Trial highlights

- Final yield assessment from 5 replicated plots of 4m each, gave a total increase in yield of 0.68T/ha
- Preharvest tuber counts were higher in treated plots

Week 8 Post Plant



Week 11 Post Plant

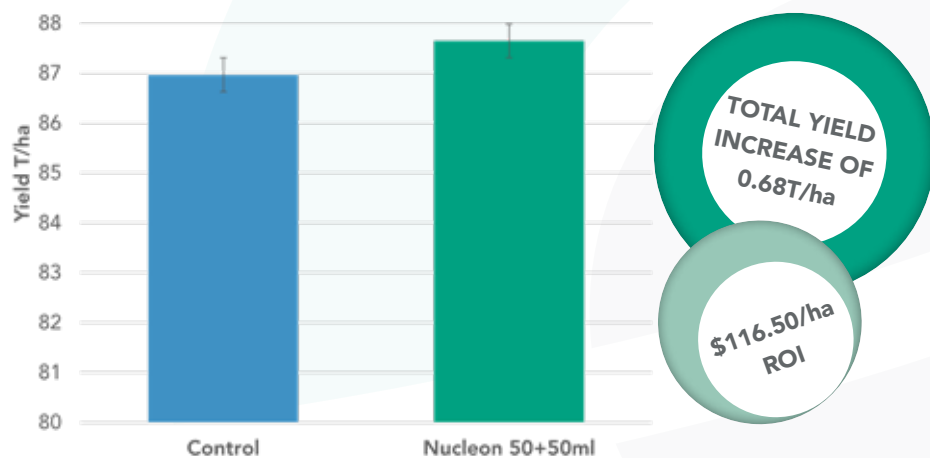


**Total yield
increase of
0.68T/h**

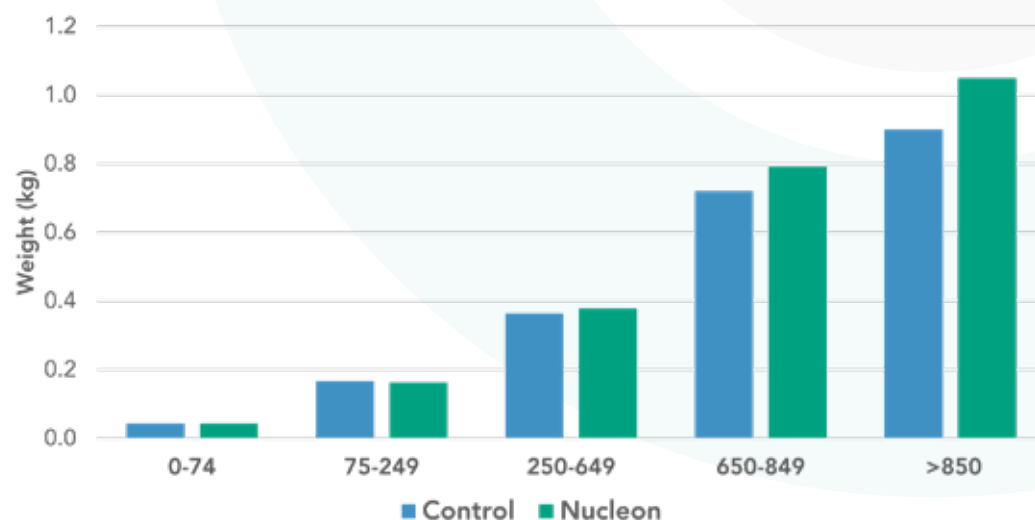
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NUCLEON IN RUSSET BURBANKS SISTERS CREEK, TAS, 2022

Yield estimate



Average tuber weight/size class



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* Registered product