



Knowledge grows

Are your potatoes getting enough calcium?

YaraLiva TROPICOTE

Calcium is required for maintenance of cell walls and healthy leaf and tuber development.

- Calcium reaches developing tubers directly from stolon roots and absorption through the tuber skin
- Calcium is not redistributed from the leaves to tubers
- Tuber uptake relies upon having a readily available source of soluble calcium in the soil surrounding the developing tubers

Calcium is important for skin finish, therefore deficiency impacts upon quality

- YaraLiva Tropicote reduced skin diseases such as Black Scurf in the 2022 trial, through creating stronger cell walls

Trial work carried out on YaraLiva Tropicote in 2022 showed an increase in marketable yield by over 6t/ha when compared to topdressing with straight nitrogen alone.



Internal rust spot is a symptom of calcium deficiency in the tubers

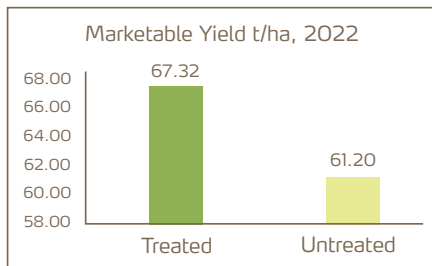
Table 1: Percentage of disease on YaraLiva Tropicote vs straight N

	Black Scurf%
Treated	0.00
Untreated	25.42

Trial Picture - Black Scurf

Untreated

Treated



YaraLiva™

TROPICOTE™ 15.5% N + 19% Ca

Field grade Calcium Nitrate

Pack size

600 kgs and 25kgs

Spreads

Accurately to 24 metres

Benefits

Brassica/salad

- Helps to suppress Club Root.
- Helps prevent Internal Browning.
- Helps prevent Tip Burn.
- Low scorch risk when broadcast.
- Improved marketability and shelf life.
- Rapid greening in cool conditions.

Potato

- Helps suppress internal rust spot.
- Improve skin finish.
- Helps reduce bacterial rots in store.
- Calcium helps reduce crop stress.

Carrot

- Helps suppress cavity spot.
- Improves skin finish.

Top Fruit

- Helps suppress bitter pit.
- Improves stress tolerance in adverse growing conditions.
- Improves storage potential.
- Better skin finish.

Product Specification

Total N	15.5%	Bulk density loose	1.1kg/l
Nitrate-N	14.4%	Granulometry (ISO)	90% 2-4mm
Ammoniacal-N	1.1%	Colour	white
Calcium (CaO)	26.3%		

Recommendations

Crop	Recommendations	Timing
Brassica/salad crops	400/600 kg/ha	In base (club root) or broadcast
Potatoes	375/500 kg/ha	At tuber initiation.
Carrots	330 kg/ha	Prior to or immediately post drilling
Top fruit	250 kg/ha	Applied early spring prior to bud burst.
	100/150 kg/ha	Top up application at early fruitlet growth stage.
	100/350kg/ha	Autumn application post-harvest depending on variety.



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