BIOCONT

Biologické prostředky v ochraně a výživě zeleniny

Novinky pro zeleninu

BIOCONT

Trianum-P

Omezení houbových chorob

Stimulus

Stimulace, regenerace

Biimore

Zvýšení výnosu a kvality

RhizoVital C5

Posílení růstu a odolnosti

Polní plodiny a zelenina

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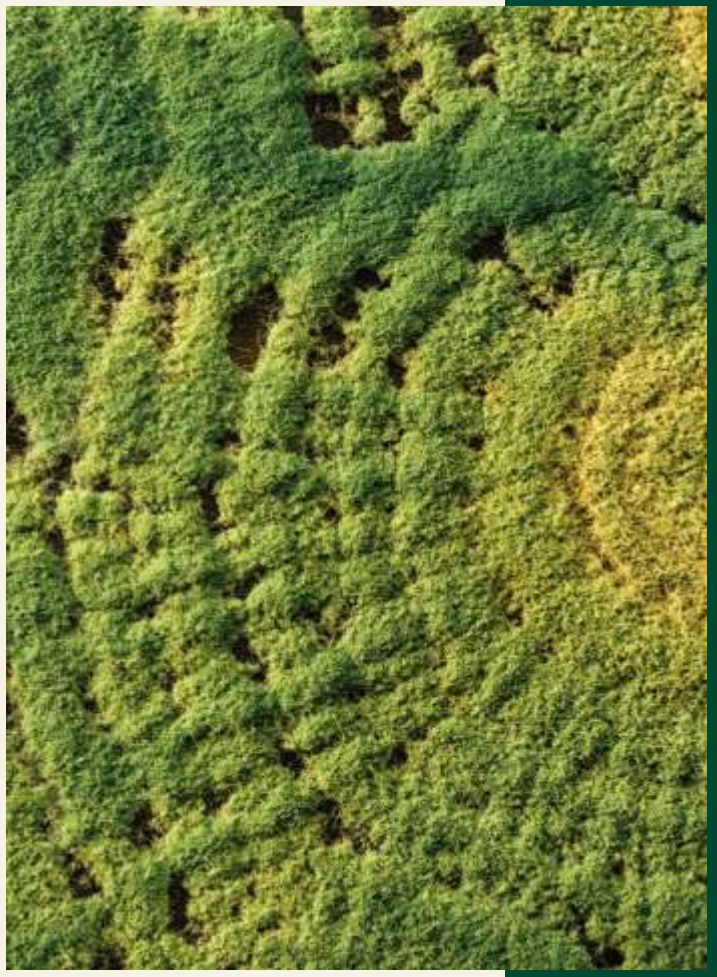
Trianum



Mode of Action

- Competition for space
- Competition for nutrients
- Mycoparasitism
- It solubilizes phosphates and micronutrients.

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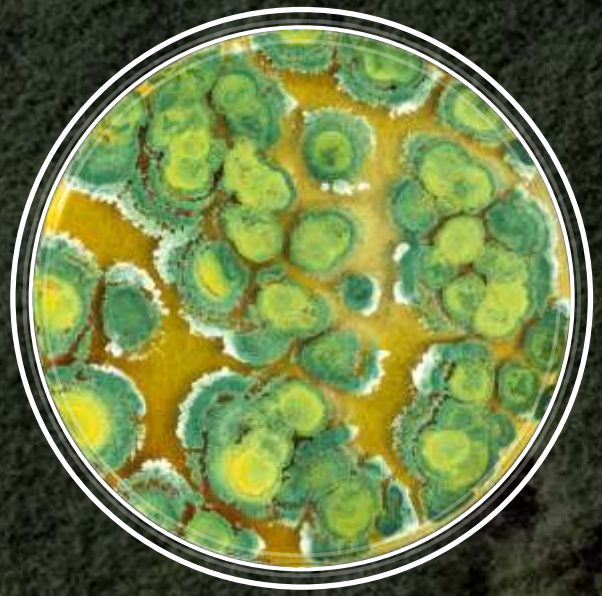
UNIQUE HYBRID STRAIN



Root colonizer
T-95

Parent #1

Disease controller
T-12

Parent #2

Developed at Cornell University

STRAIN TRIANUM

- Strain T-22, extensively studied
- Fusant of two complementary strains
- Result: a competitive root colonizer with effective disease control

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TRIANUM

Trichoderma harzianum T22

TRIANUM-P

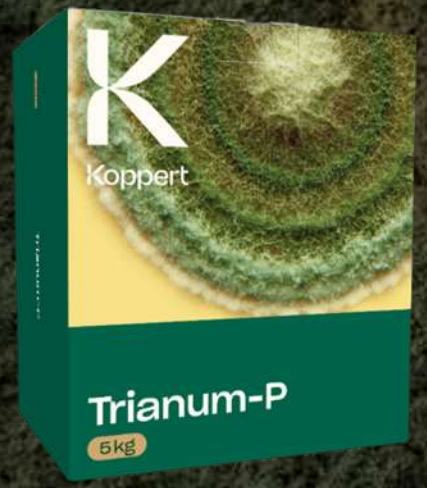
T. harzianum T22: $1x10^9$ cfu/gr

Wettable granules

TRIANUM-WG

T. harzianum T22: $1.5x10^8$ cfu/gr

Microgranules



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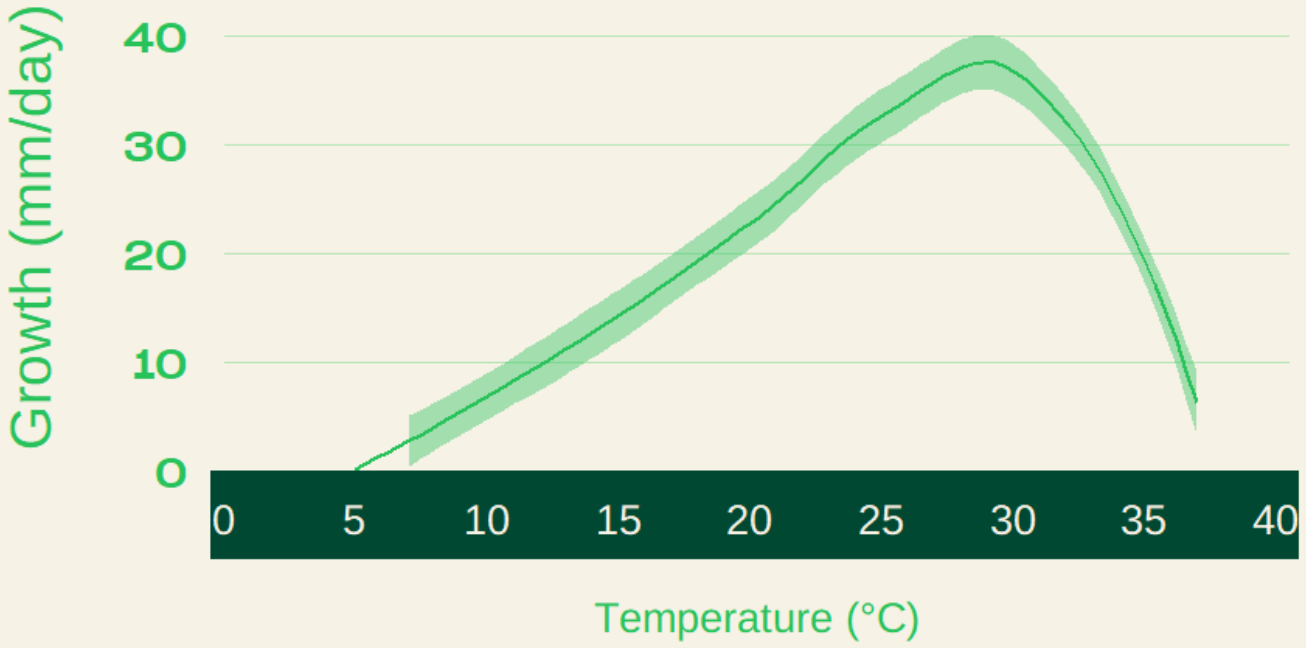
TRIANUM® is growing in a wide range of temperatures



- TRIANUM® growths within a temperature range of 10-37°C
- The optimum temperature range lays between 24°C and 33°C

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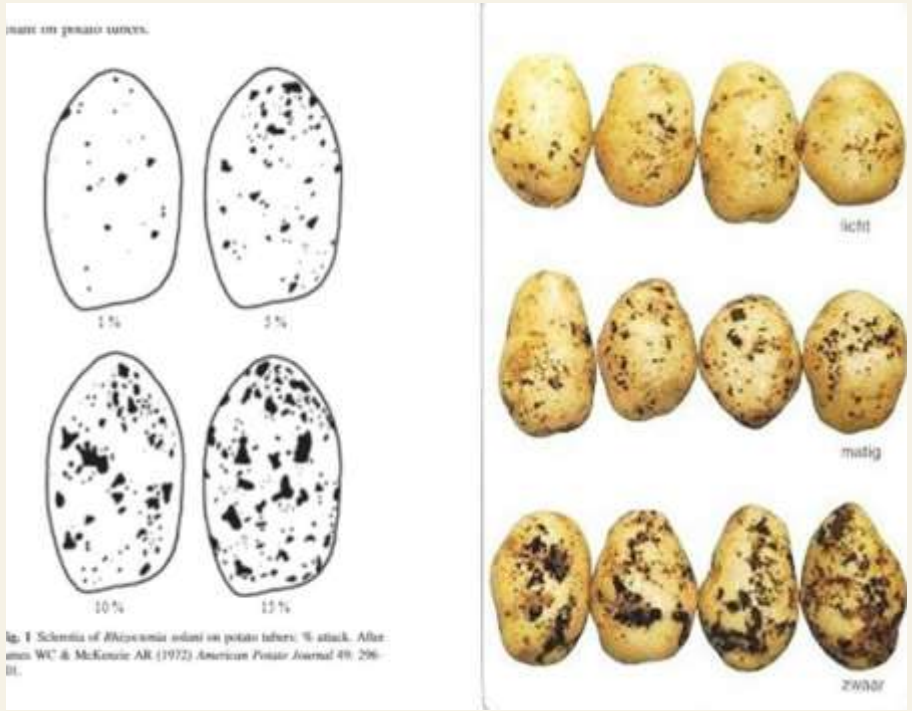
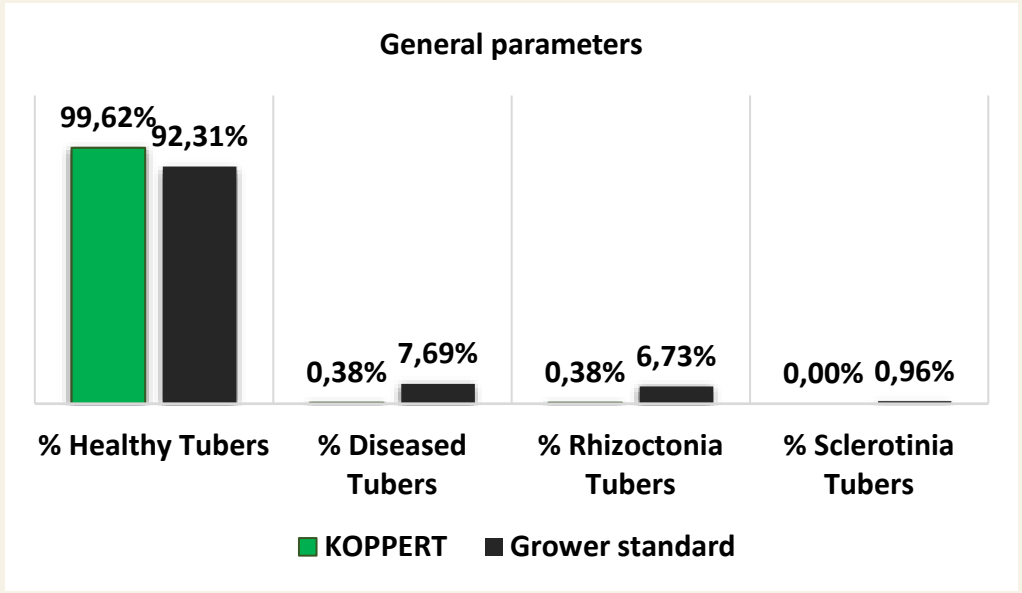
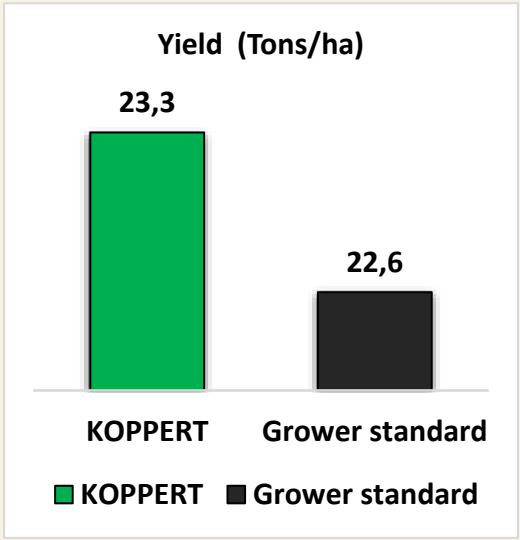
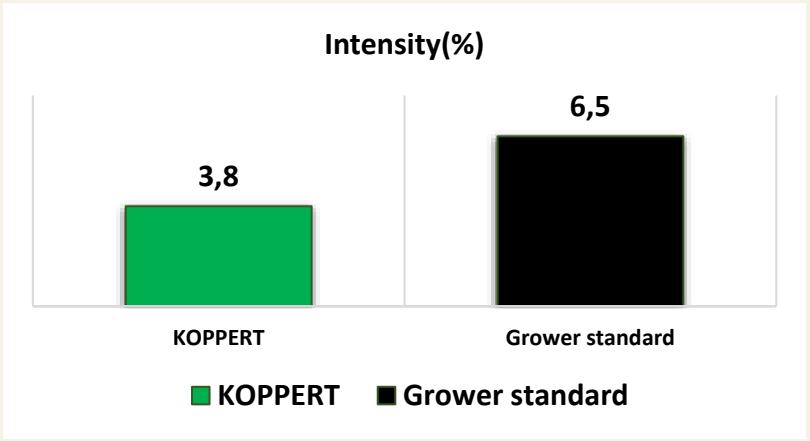
RHIZOCTONIA and SCLEROTINIA on Potato



Trianum vs Soil disease result in Potato







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PYTHIUM on Carrots

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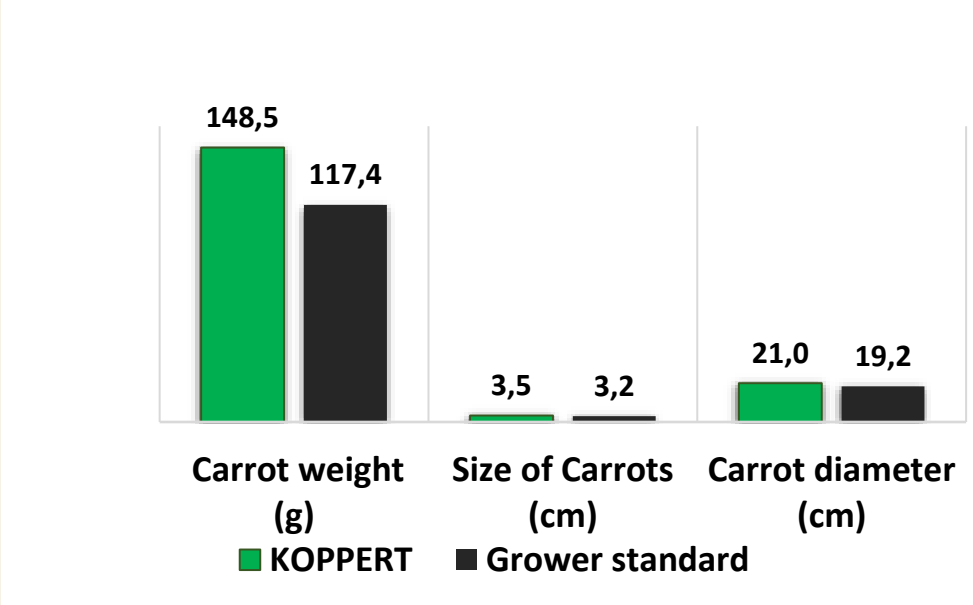
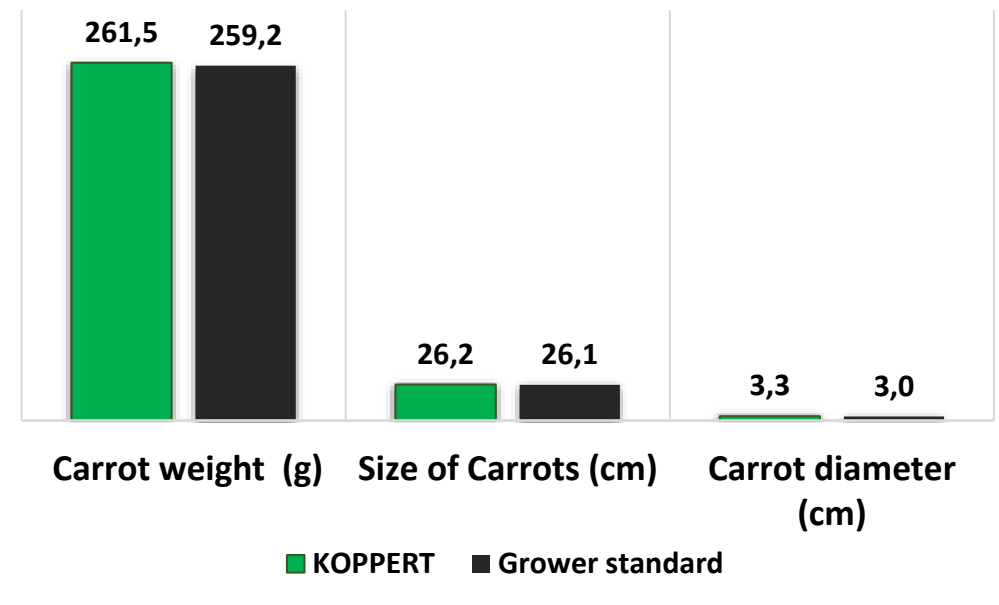
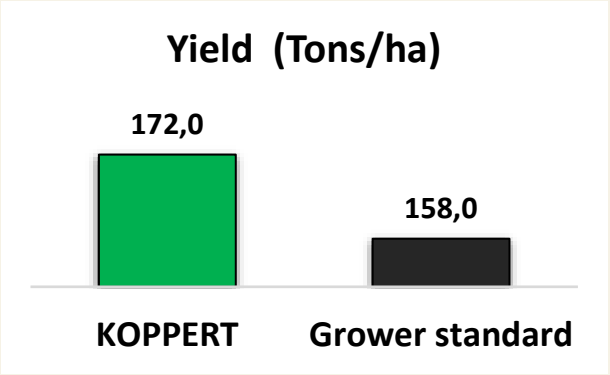
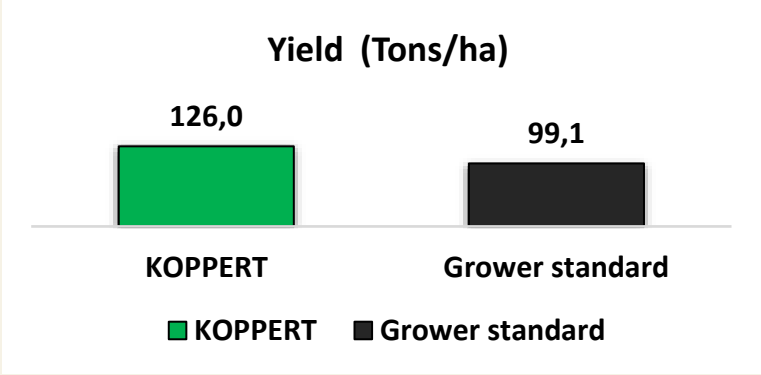
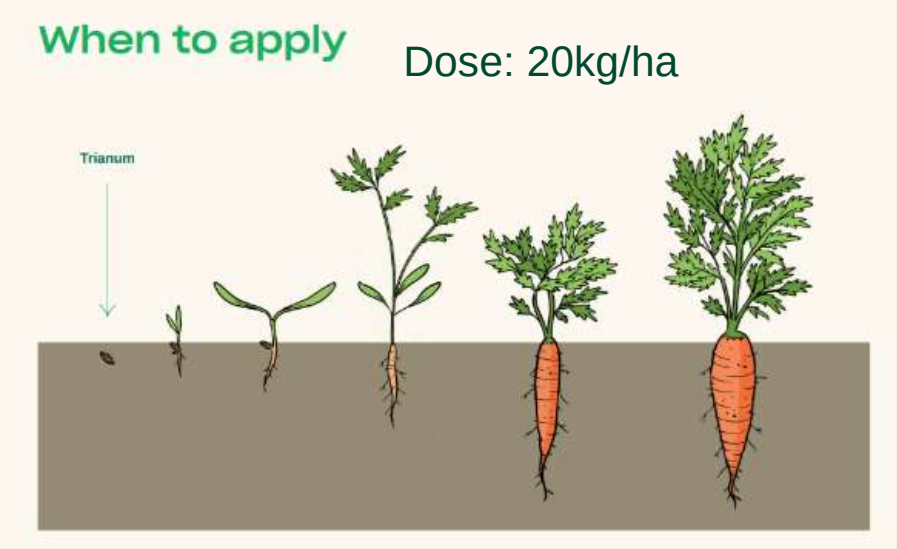
Trianum vs Soil diseases in Carrots











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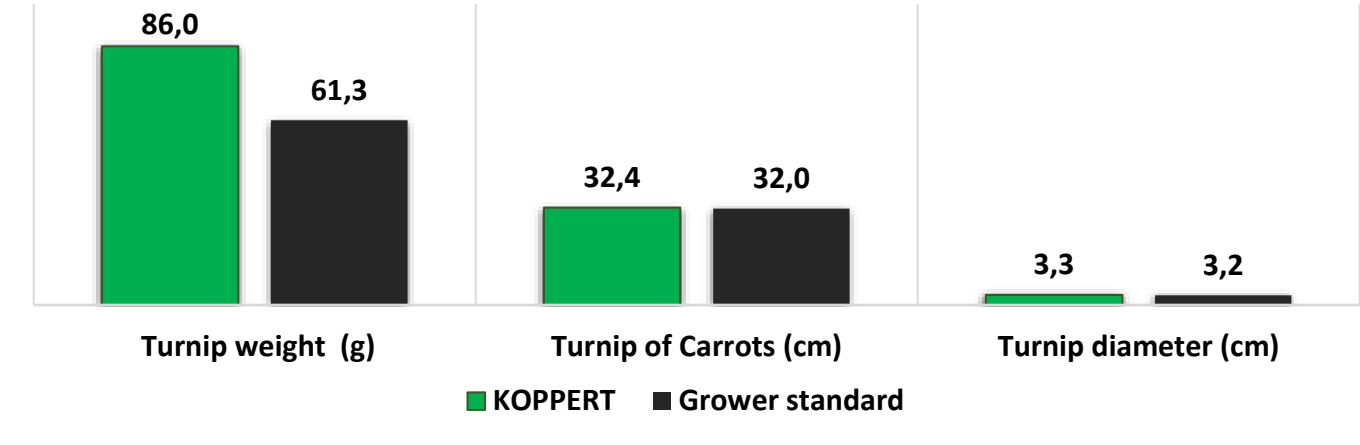
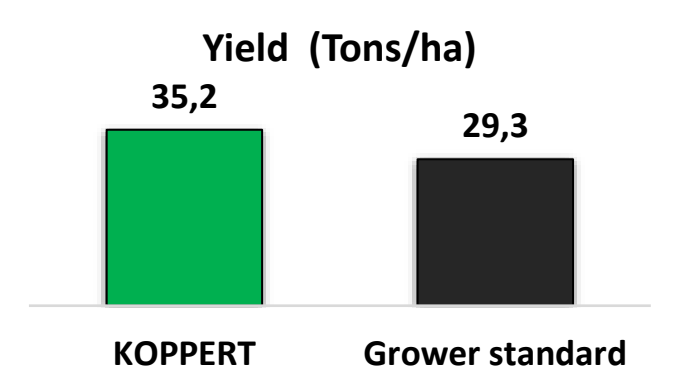
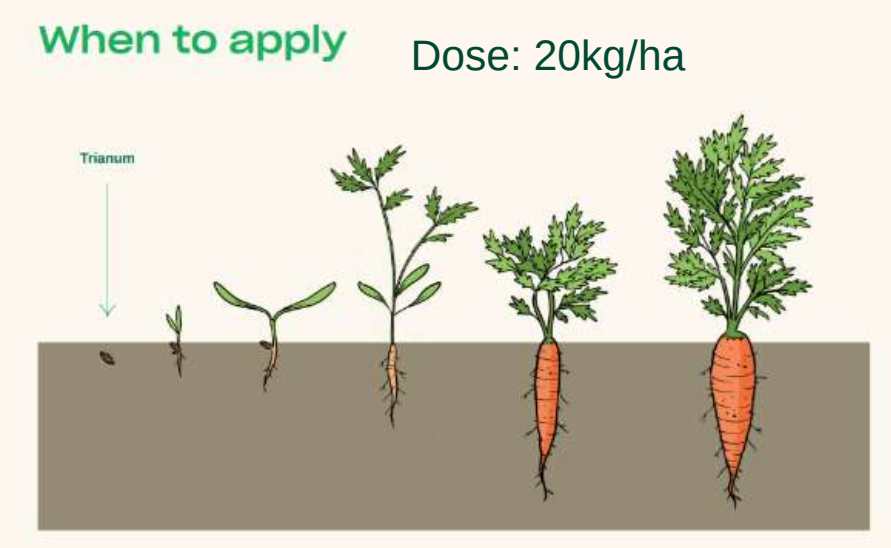
Trianum vs Soil diseases in Parsnip

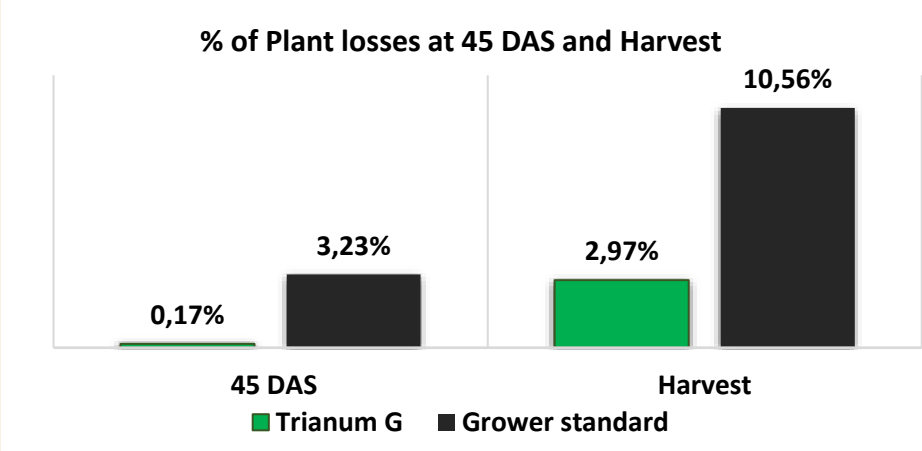


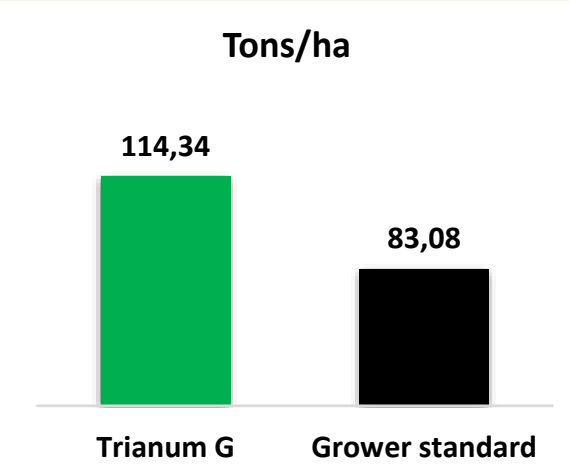




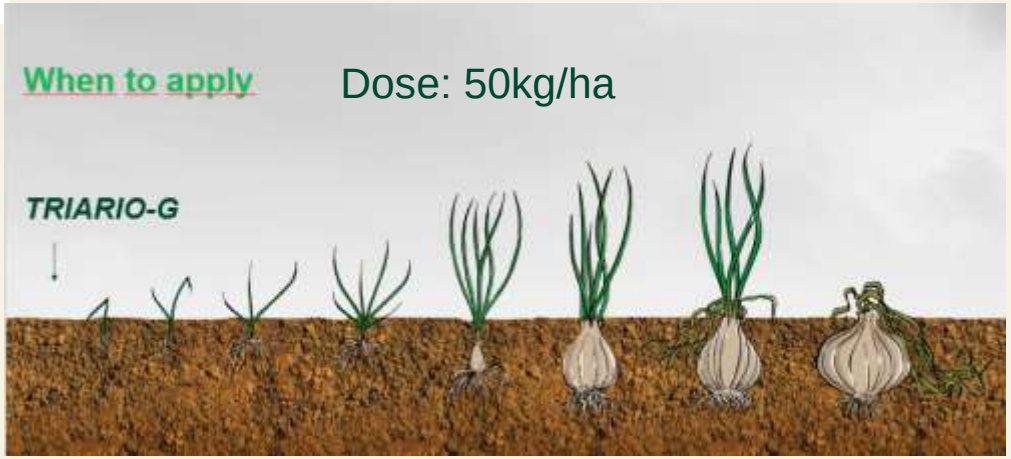
FUSARIUM on Onions

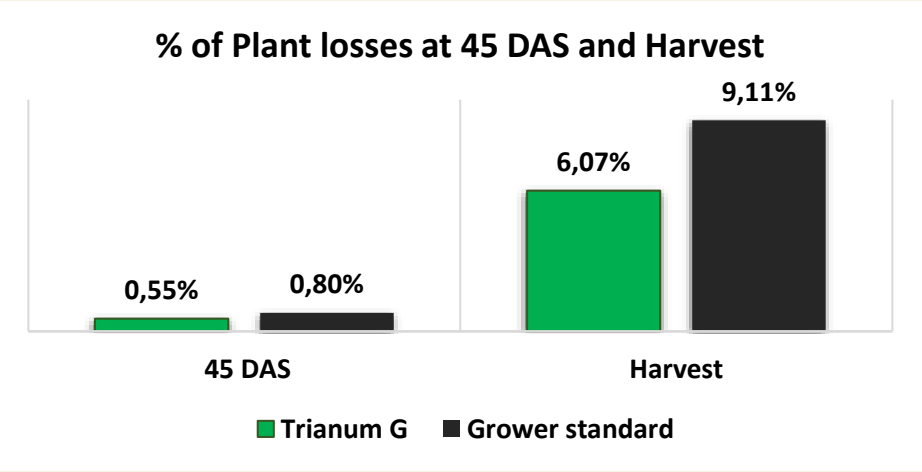
Trianum vs Soil diseases in Onions

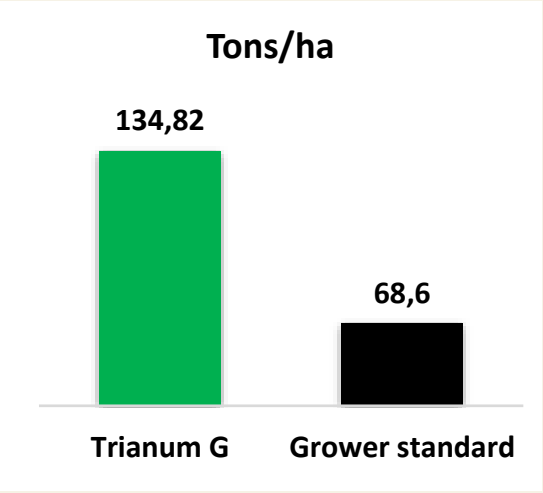




Location 1







Location 2

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TRIANUM: Experiences in Hungary

KOPPERT HUNGARY 2024

Outcomes:

✓ Better root and higher emergence ratio

✓ Improves early plant development because of the quick germination

✓ Control of several soil born pathogens (*Fusarium, Sclerotinia, Rhizotonia* and *Pythium*).

Average efficacy :70-90%

✓ Yield increase around 15% up to the crop and grower standard technology

WHY TO USE TRIANUM

- Able to control multiple soil-born pathogens at once
- Can also promote plant growth and uniformity
- As efficient as chemical fungicides
- Among the most concentrated Trichoderma-based bio-fungicides in the market
- Can be used in a wide range of conditions → make sure to use it when its chances are good!
- No risk of resistance
- IPM friendly; allowed in organic agriculture
- Safe for the users and the environment
- No MRL (Maximum Residue Level) e minimum pre-harvest interval

WHY TO USE TRIANUM

Benefits in Carrots

- Yield increase
- Root disease control;

Pythium (cavity spot)

Rhizoctonia (wortelrot)

Alternaria (radicina)

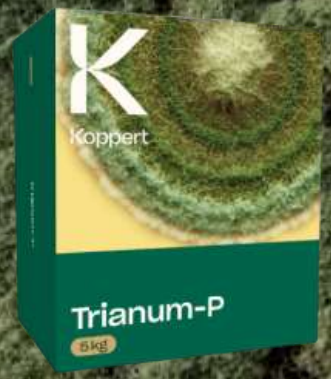
Chalaropsis (thilavioides)

Thielaviopsis (basicola)

Rhexocercosporidium (carotae)

Acrothecium (carotae)

Mycocentrospora (acerina)



Benefits in Potato

- Yield increase
- Root disease control;

Rhizoctonia

Alternaria

Benefits in Onions

- Yield increase
- Root disease control;

Fuzarium

Alternaria (radicina)

CONDITIONS FOR SUCCESS

1. Use preventively, before the pathogen can attack the crop
2. Start from beginning of crop cycle
3. Apply the product as close as possible to the root system / seed
4. Repeate applications during crop cycle to increase efficacy
5. Begin application when T° of soil reach 8-10°C
6. Use dosages adviced by local lables and Koppert consultants

We partner with nature
We work for growers
We build global networks
We keep improving
We are family
Koppert
Loss of biodiversity
Increased legislation and public awareness
Increased pesticide resistance
Pollination
Microbials
Macrobials
Plant health
OUR SOLUTIONS ARE ALIVE
Chemical reduction
Increased biodiversity
Healthy food
Healthy planet
Co-creation
Koppert.one
Peace of mind
Best quality products
Partners with Nature