

Boost your crop's natural power

Stimulate. Strengthen. Succeed.

CHITOSTAR™

www.nutriology.co.za



CHITOSTAR™

CHITOSTAR™ is a premium liquid biostimulant powered by chitosan and essential nutrients. It enhances plant growth, resilience, and productivity through scientifically backed mechanisms.

KEY BENEFITS

Stimulates Root Development

Promotes stronger root systems for better water and nutrient uptake.

Improves Photosynthetic Efficiency

Increases chlorophyll content, boosting energy capture and plant productivity.

Boosts Stress Tolerance

Enhances plant resilience to moisture stress.

Activates Natural Defence Mechanisms

Primes the plant's natural defense systems.

WHY CHOOSE CHITOSTAR™ ?

- CHITOSTAR™ activates your crops' natural potential.
- CHITOSTAR™ activates key physiological processes that translate to healthier, more productive crops.
- CHITOSTAR™ is a registered biostimulant with registration number M247 meeting the highest standards of quality, safety and traceability.

NUTRIENT COMPOSITION

Nitrogen (N) in g/kg	71
Potassium (K) in g/kg	27
Zinc (Zn) in mg/kg	123
Manganese (Mn) in mg/kg	87
Copper (Cu) in mg/kg	104
pH at 10%	6.7
Additional information	Contains chito-oligosaccharide
Colour and form	Dark brown liquid

ECONOMIC IMPACT



Higher productivity
= greater profitability



Cost-effective with
positive ROI



Supports sustainable
farming practices

CHITOSTAR™

Trial Data



FIRST APPLICATION:

Growth Stage - BBCH stage 513: Reproductive Bud-break (1L/ha CHITOSTAR™)

SECOND APPLICATION:

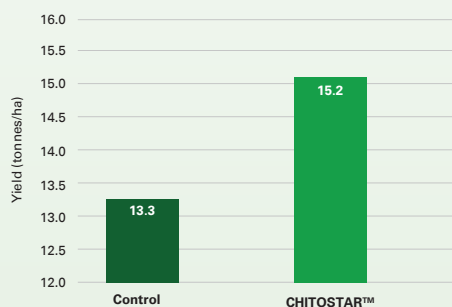
Growth Stage - BBCH stage 712: First fruitlet abscission (1L/ha CHITOSTAR™)

Location: Limpopo

Cultivar: GEM

Yield Increase: +14.2%

Effect of CHITOSTAR™ on avocado yield



FIRST APPLICATION:

Growth Stage - BBCH 57: Sepals open: petal tips visible (1L/ha CHITOSTAR™)

SECOND APPLICATION:

Growth Stage - BBCH code 72: Green fruit surrounded by sepal crown (1L/ha CHITOSTAR™)

Location: Groblersdal, Lowveld

Crop: Midnight Valencia

Yield Increase: +12%

Statistical Significance: $p = 0.1$

Effect of CHITOSTAR™ on citrus yield

