

3 INNOVATIVE BIOFERTILISERS

AMYLIS[®]

BASEOS[®]
LIQ

CONNECTIS[®]

For soil,
seeds & plants



100% MADE IN FRANCE
RESEARCH - DESIGN - PRODUCTION

**100% USABLE
IN ORGANIC FARMING**



100% ALIVE
LIQUID SUSPENSION

**AGRONUTRITION HAS BEEN WORKING SINCE 2011
ON THE SOIL RESEARCH & ITS NATURAL CAPACITIES.**

Soil is a living environment.

By understanding, identifying and knowing how to select the micro-flora that contributes to soil's structure and richness, we can more efficiently manage its primary goal: to feed the plants. AMYLIS, BASEOS LIQ, and CONNECTIS are the result of research carried out in our Soil Biotechnologies laboratory in Labège, France (31).

AGRONUTRITION has mastered production technologies and ensures full traceability of the production of these 3 products.



BioFertiliser
technologies

**Using nature's
resources to feed crops**

Agronutrition



AMYLIS[®]

AMYLIS is an innovative technology that will activate the life of the soil. Made from Nitrogen-Fixing bacteria, it will benefit the bacteria population in the soil (maintaining soil life) but also crops (especially through the fixation of Nitrogen). Amylis can be applied to the soil through many methods of application where a carbon source is available for the bacteria to multiply.

Bacterial solution
Bacillus amyloliquefaciens
10⁹ CFU Unit/mL

Pack size: 1L and 5L
Shelf life of the product: 12 months

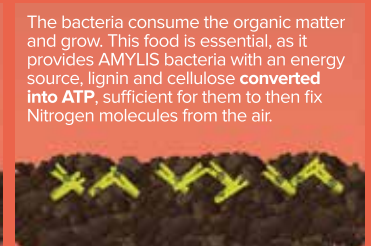
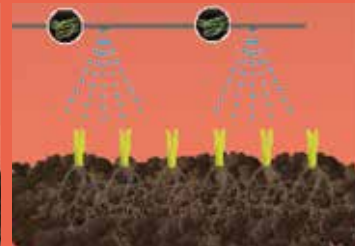
- / Facilitates fixation of atmospheric Nitrogen for the plant
- / Strengthens roots and accelerates emergence
- / Optimises the plant's assimilation of the soil's Phosphorus
- / Improves microbiological activity in the soil

After harvest, AMYLIS should be applied to the crop residues.

These residues are the primary source of food for AMYLIS bacteria.

For farmers, it is the assurance of reusing their crop residues.

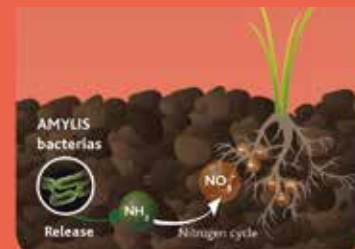
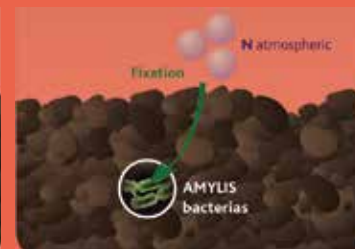
Crop residues must be buried quickly after spraying (24 hours).



AMYLIS bacteria fix nitrates, thus limiting losses in the water tables.

AMYLIS bacteria effectively fix Nitrogen from the air.

After winter, AMYLIS bacteria release Nitrogen.



BASEOS[®] LIQ

Streptomyces beta-vulgaris: 1x10⁹ CFU/mL
Burkholderia sp: 1x10⁹ CFU/mL
Bacillus megaterium: 1x10⁹ CFU/mL

Pack size: 1L and 5L - Shelf life of the product: 12 months

BASEOS LIQ is a unique concept, bacteria release organic & mineral Phosphorous present in the soil.

BASEOS LIQ

Spray application

Drip Irrigation

1- COLONISATION & ANTAGONISM FUNCTION

Bioamplification of beneficial bacteria against pathogens and opportunistic bacteria

2- PLANT GROWTH PROMOTING RHIZOBACTERIA & ROOTING EFFECT

Auxin production and root development stimulation (rapid action 3 days after application)

3&4- Mineral & Organic PHOSPHORUS SOLUBILISATION

Solubilisation close to the roots (distance assimilation P₂O₅ = 1 mm)

5- IRON ASSIMILATION ENHANCEMENT

Production of Iron siderophore (chelating and sequestering effect)



CONNECTIS®

100% PURE

IN-VITRO PRODUCTION TRACED AND VERIFIED

100% ALIVE

LIQUID SUSPENSION

1 000 spores/ml

Fungal preparation - liquid inoculum of *Rhizophagus irregularis* (*Glomus irregularis*), DAOM 197198 strain

Pack size 1 L - Shelf life of the product: 18 months

CONNECTIS stimulates root development, increases mineral and water nutrition, and strengthens resistance to numerous types of stress.

MYCORRHIZATION: WHAT IS THE ADVANTAGE FOR YOUR CROP?

ENDOMYCORRHIZAL SYMBIOSIS:

For over 400 million years, **endomycorrhizal fungi have been working together with plant roots** and extending their rhizosphere.

The fungus grows inside the root as well as outside. It then extends the soil exploration area and improves its texture (*aggregate formation*).



Endomycorrhizal fungi help the plant to grow better:

- / they stimulate root development;
- / they enhance mineral and water nutrition;
- / they promote resistance to multiple stresses.

Mycorrhizal plants thus require **less fertilisation and irrigation**, and are **more resistant to difficult growing conditions** (*water stress, heat stress, salt stress, etc.*).

/ Composed of *Rhizophagus irregularis* spores, symbiotic soil fungus, CONNECTIS has the ability to attach itself to crop roots to help them assimilate nutrients and water in larger quantities.

/ **CONNECTIS secures and optimises plant emergence allowing uniform planting, a guarantee of future production quality.**

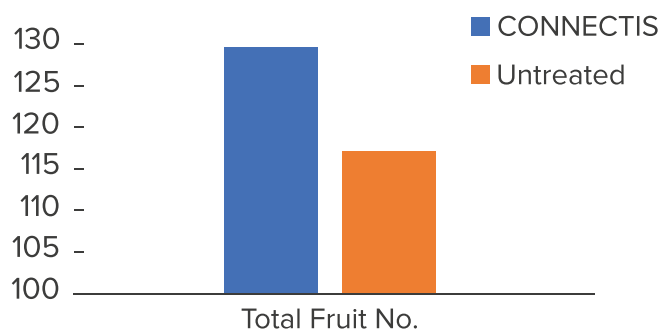
STRAWBERRY PLANTS



“CONNECTIS positively influenced the plants so much, we've treated the entire new plantings”

Plamen Paraskevov, Trivodi Fruits Pty Ltd.

Total Strawberry Numbers at Harvest



→ Independent Trial conducted in South Australia, by Staphyt AUS Ltd.

Results showed an **increase in total fruit numbers by 13 fruits per plot on average in comparison to untreated control, equating to approximately 13,000 more fruits per hectare.**

CONNECTIS was applied as a root dip prior to planting.

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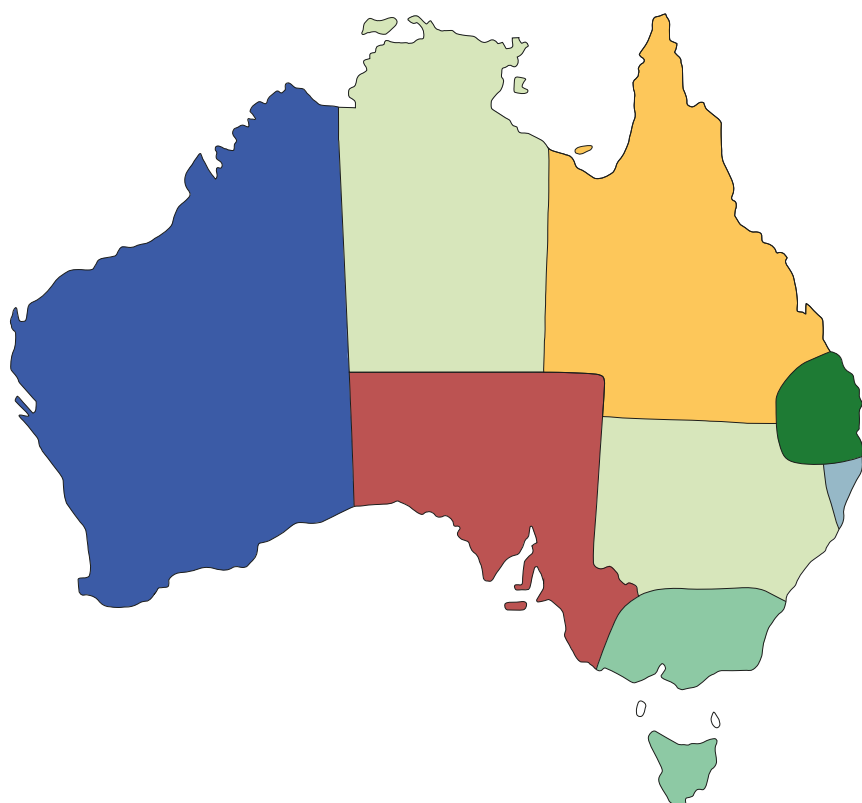
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