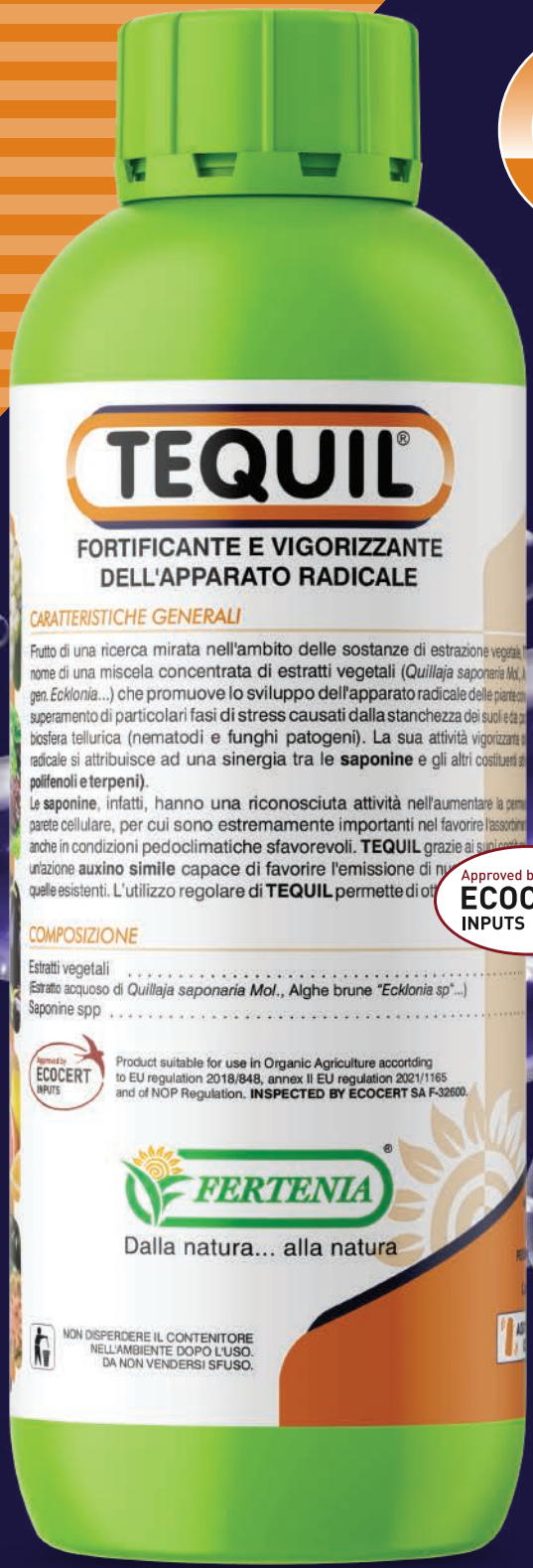
TEQUIL®

PRESENCE OF **NEMATODES** IN THE SOIL?



Approved by ECOCERT INPUTS

- Fortifies and Invigorates the root system
- Stimulates the development and issuing of new roots
- Favors the elongation of existing roots

FERTENIA®

Dalla natura... alla natura

TEQUIL®

WHAT IS
TEQUIL

IDEAL IN THE PRESENCE
OF NEMATODES

ROOT APPLICATION BIOSTIMULANT

TEQUIL is a **Fertenia** product of vegetable origin. Thanks to the well-known synergy between saponins *(triterpene and steroid),* tannins and polyphenols: **It invigorates, reactivates and regenerates** the root system **infested with nematodes**.

COMPOSIZIONE TEQUIL	
PLANT EXTRACTS:	
(Aqueous ectract of *Quillaja saponaria Mol.*, Brown algae)	**100%**
Saponins	**7% ± 0,5**

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PACKAGE

Bottles 1L (20x1)
Jerrycans 5L (4x5)
Jerrycans 20L
Tank 1000L

WHY IS IT IMPORTANT

100% NATURAL ORIGIN

The goal of the fight against nematodes is to **contain populations below the damage threshold. TEQUIL**, used regularly from the beginning of the crop cycle, allows the **reduction of losses** favoring the radical and vegetative-productive development.

TEQUIL IS COMPATIBLE WITH NEMATOCIDES AND IS IDEAL IN ECO-SUSTAINABLE SOLUTIONS:

- **Agronomic practices** (fight against weeds, tillage, **green manure, Crop rotation,** etc.)
- Synergistic use with Trichoderma and Mycorrhizae
- Use of **resistant rootstocks**
- Use of **organic soil improver**
- Treatments with water vapor
- Solarization

SAPONINS, TANNINS **AND POLYPHENOLS**

SAPONINS

Triterpene saponins, tannins and polyphenols act as growth regulators (*Kintia*, 2004) and exert **a rapid biostimulating action on the root system**.

Saponins have a recognized activity in increasing the permeability of the cell wall, so they are extremely important in promoting root absorption even in unfavorable soil and climatic conditions.

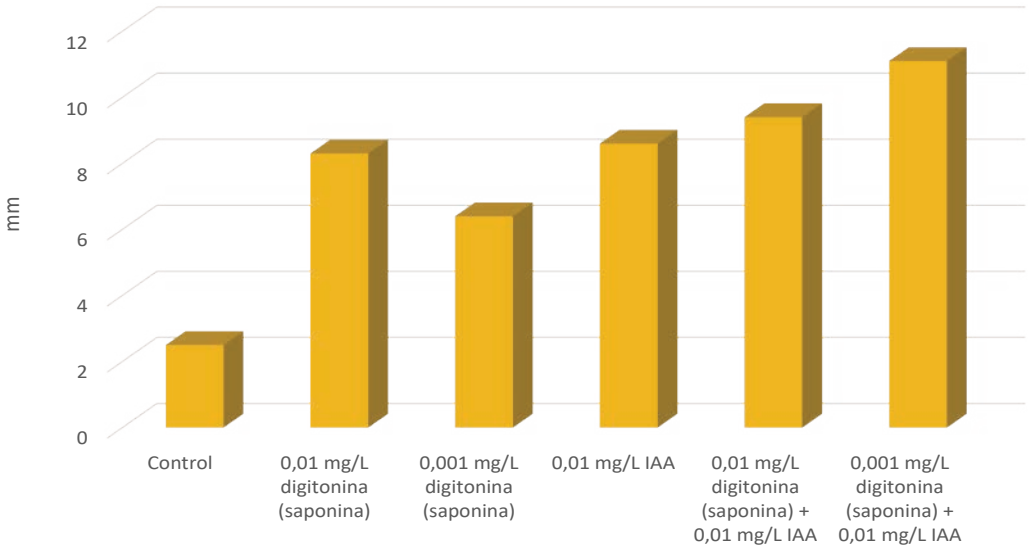
They increase resistance to abiotic and biotic environmental factors *(Papadopoulou et al.*, 1999).

AUXIN-SIMILAR ACTIVITY

Issuing of new roots

Elongation of existing roots

Saponins favor the emission of new roots and the elongation of existing ones.



Growth activity of digitonin (saponin) + I.A.A. (Indole-3-acetic acid) in section of oat coleoptile (*Vendrig*, 1964)

DOSES AND **METHOD OF USE**

ACTS ON THE **RHIZOSPHERE**

DOSES Root application

From 15 to 60 L / ha depending on the crop cycle of each species (short, medium or long) with single or split applications (e.g., L 15 + 15 + 15).
Detailed specifications for each crop on the label.

HOW TO USE IT

Irrigate well the day before and distribute the product the next day, making sure that the solution remains in the area explored by the root system (**avoiding leaching**). Do not water the soil for at least 2-3 days after application.

WHEN TO USE IT

It is important that the intervention is carried out when the stressful situations, especially nematological, have not already strongly compromised the root system and the vegetative state of the crops.

POST-SOWING OR POST-TRANSPLANTING AND DURING THE WHOLE VEGETATIVE CYCLE

IDEAL DISTRIBUTION

1. DRIP IRRIGATION
2. IRRIGATION SPRINKLER
3. SPRAY BARS

THE EXPERT **ADVICE**

In soils with a pH higher than 6.5 it is important to acidify the mixture with **ABSORB pH 3.0 BIO** which enhances the performance of **TEQUIL** by improving its effectiveness.

TEQUIL® + ASSORB® pH 3.0 BIO

Results of **TEQUIL**...

PROVEN EFFECTIVENESS

FIELD **TESTS**

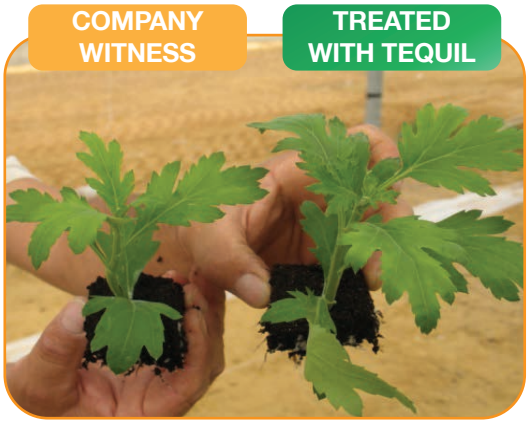
... the soil **revives**!

PRODUCTION **INCREASES**

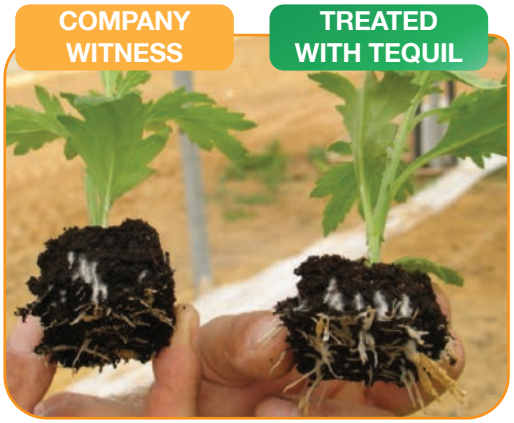
The scientific community has shown great interest in the TEQUIL study by carrying out numerous in vitro tests (**Univ. Of Naples**) and in the field (**Reg. Emilia-Romagna, CNR, Bari, Univ. Of Naples**). Overall, the technical responses highlighted **significant production increases**, thanks to the biostimulating effect, even when a marginal role in containing nematodes was found.

Aubergine roots with strong nematode attack at the end of the crop cycle

Emission of new roots and elongation of existing ones in the presence of nematodes.



Chrysanthemum cuttings in comparison.



Greater radical development.

Cipollotto nocerino DOP - Radical development with the emission of new root hairs.

Tomato - Comparison of root and stem growth.

TEQUIL®

...the strength of plant extracts!

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Dalla natura... alla natura

FERTENIA s.r.l.
SPECIAL AND BIOLOGICAL FERTILIZER INDUSTRY
PHYTO FORTIFICANT - BIOSTIMULANTS

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What is reported in this depliant is indicative. When applying the products, carefully follow the methods and warnings on the label.
The manufacturer declines all responsibility for the consequences deriving from improper use of the products.