

# TEQUIL<sup>®</sup>

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



Dalla natura... alla natura



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 extract of *Quillaja saponaria* Mol., Brown algae)

100%

Saponins

7% ± 0,5



Product suitable for use in Organic Agriculture according to EU regulation 2018/848, annex II EU regulation 2021/1165 and of NOP Regulation. INSPECTED BY ECOCERT SA F-32600.



#### PACKAGE

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

## WHY IS IT IMPORTANT



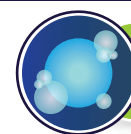
The goal of the fight against nematodes is to **contain populations below the damage threshold**. **TEQUIL**, used regularly from the beginning of the crop cycle, allows the **reduction of losses** favoring the radical and vegetative-productive development.

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

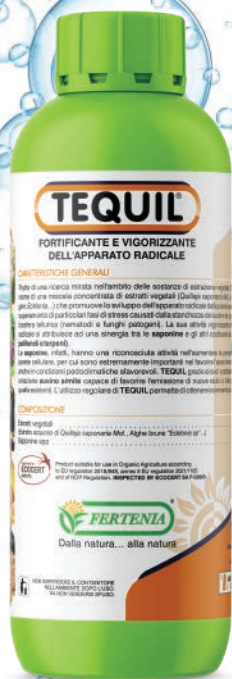
- **Agronomic practices** (fight against weeds, tillage, green manure, Crop rotation, etc.)
- Synergistic use with Trichoderma and Mycorrhizae
- Use of **resistant rootstocks**
- Use of **organic soil improver**
- Treatments with water vapor
- Solarization



# 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

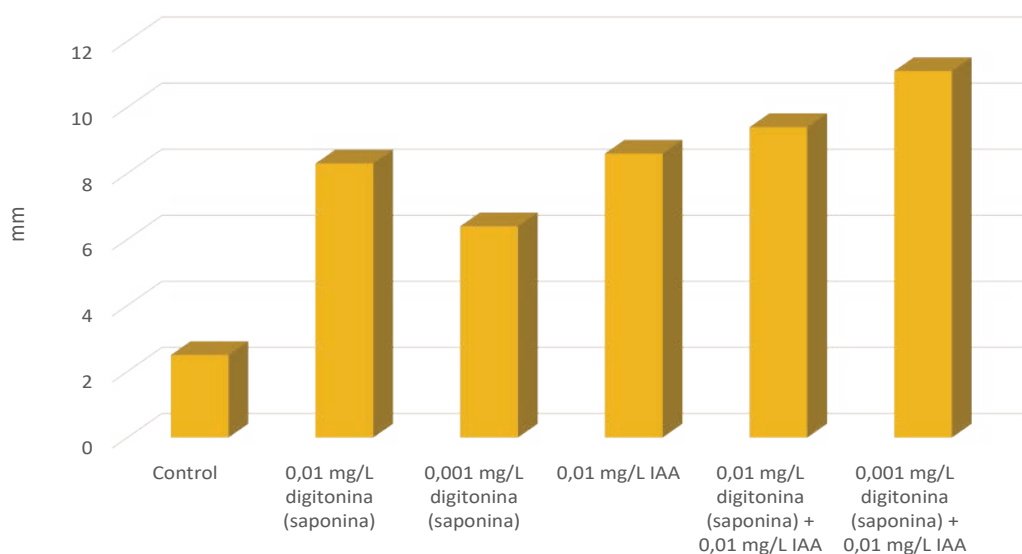


Issuing of new roots



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.



# Results of **TEQUIL**... **PROVEN EFFECTIVENESS**

FIELD  
**TESTS**

... the soil **revives!**



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.

## COMPANY WITNESS



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

## TREATED WITH TEQUIL



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

## COMPANY WITNESS



Chrysanthemum cuttings in comparison.

## TREATED WITH TEQUIL

## COMPANY WITNESS



Greater radical development.

## TREATED WITH TEQUIL

## TREATED WITH TEQUIL



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

## COMPANY WITNESS

## TREATED WITH TEQUIL



Tomato - Comparison of root and stem growth.

# TEQUIL<sup>®</sup>

...the strength of  
plant extracts!



Dalla natura... alla natura

**FERTENIA s.r.l.**

SPECIAL AND BIOLOGICAL FERTILIZER INDUSTRY  
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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.