Inspeccionado por ECOCERT INSUMOS

NUESTRA FUERZA ESTÁ EN LA RAÍZ

heptabiol

Success cases

Dose:
Heptabiol is a product for application by fertigation at doses of 2-5 l/ha

Success case of application in woody species, combined with **Mycorrhiza Aegis Sym Irriga** in **Olive tree**

Success case of application in horticultural species, combined with **Team Horticultural Mycorrhizae** in **Pepper**

Product developed and manufactured by: Atens. Nuestra fuerza está en la raíz.

OMRI LISTED For Organic Use · DNV·GL ISO 9001 ISO 14001 · TÜVRheinland CERTIFICADO Sistema de Gestión ISO 50001:2011 · RD 506/2013 FERTILIZANTES BUREAU VERITAS Certification · PYME INNOVADORA

Certified by the main quality and ecology organizations

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PLANT EXTRACTS

Follow us:

Quality, care, production and balance

Atens. Nuestra fuerza está en la raíz.

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Root Biostimulant made from **7 botanical extracts**. Its action modulates hormonal metabolism in order to promote root development, flowering and fruit formation.

With rooting effect, it modulates the growth of the plant and protects it against thermal and salt stress.

It promotes rapid effective mycorrhization by activating beneficial soil microorganisms.

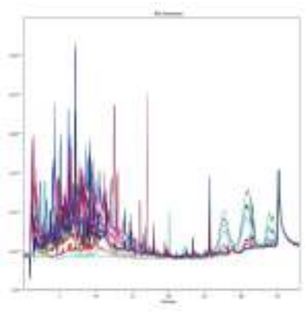
Main Benefits

Heptabiol acts at different levels both with the plant and with microorganisms and, in addition, it regulates the interaction between crops and fungi and bacteria present in the soil.

- **Stimulation of root growth through auxins.**
- **Protection against water stress.**
- **Increased antioxidant activity.**
- **Improvement of the response to biotic stress by stimulating the jasmonic acid pathway.**
- **It favors the flowering and ripening of the fruit due to its auxin content.**
- **Strengthening of cell walls.**
- **Stimulation of the growth of Mycorrhizae and Trichodermas.**

Composition:

HEPTABIOL is composed of plant extracts from 7 Mediterranean plants. In this unique composition, and thanks to UHPLC-ESI-QTOF-MS technology, **ATENS** has detected more than 1061 plant compounds. Furthermore, after multiple metabolomic tests, **ATENS** has been able to verify that the plants treated with **HEPTABIOL** via the radical route have been able to absorb a total of 355 different natural molecules, of which 276 are also translocated at leaf level.



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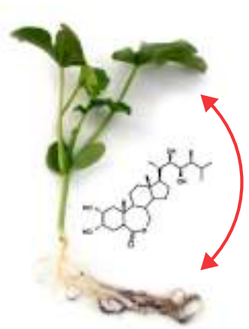
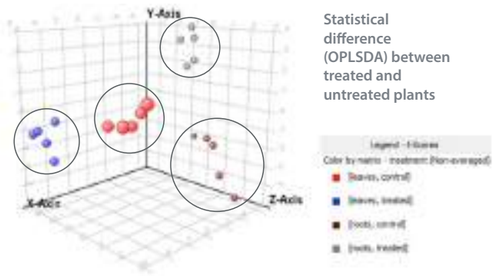


Leaves (7)
Campesterol
24-epi-campesterol
(5-alpha)-campestan-3-one
6-alpha-hydroxy-castasterone
cathasterone
3-dehydro-6-deoxoteasterone
(22-alpha)-hydroxy-campest-4-en-3-one

Roots (5)
teasterone
typhasterol
campesterol
24-epi-campesterol
(5-alpha)-campestan-3-one



Statistical difference (OPLSDA) between treated and untreated plants

The combination of **HEPTABIOL** with **Mycorrhiza** reduces the time to reach an effective mycorrhization.

HEPTABIOL promotes the microbiological activity of the rhizosphere and of the inoculums of bacteria that stimulate plant growth. Its content in quercitine enhances the growth of the mycorrhizal mycelium, as well as its branching. Thus facilitating the encounter between the fungi and the root of the crop.

HEPTABIOL was applied inmediately after transplanting

Results after 7 days of application

Control 1 l/ha 2 l/ha 4 l/ha 5 l/ha

*__NOTE:__ One of the **ATENS** metabolomics assays on **HEPTABIOL** has been the subject of a dedicated scientific study and is available in OpenAccess mode. This assay was performed on melon plants.

Lucini, L., Rouphael, Y., Cardarelli, M., Bonini, P., Baffi, C., & Colla, G. (2018). A Vegetal Biopolymer-Based Biostimulant Promoted Root Growth in Melon While Triggering Brassinosteroids and Stress-Related Compounds. Frontiers in plant science, 9, 472.