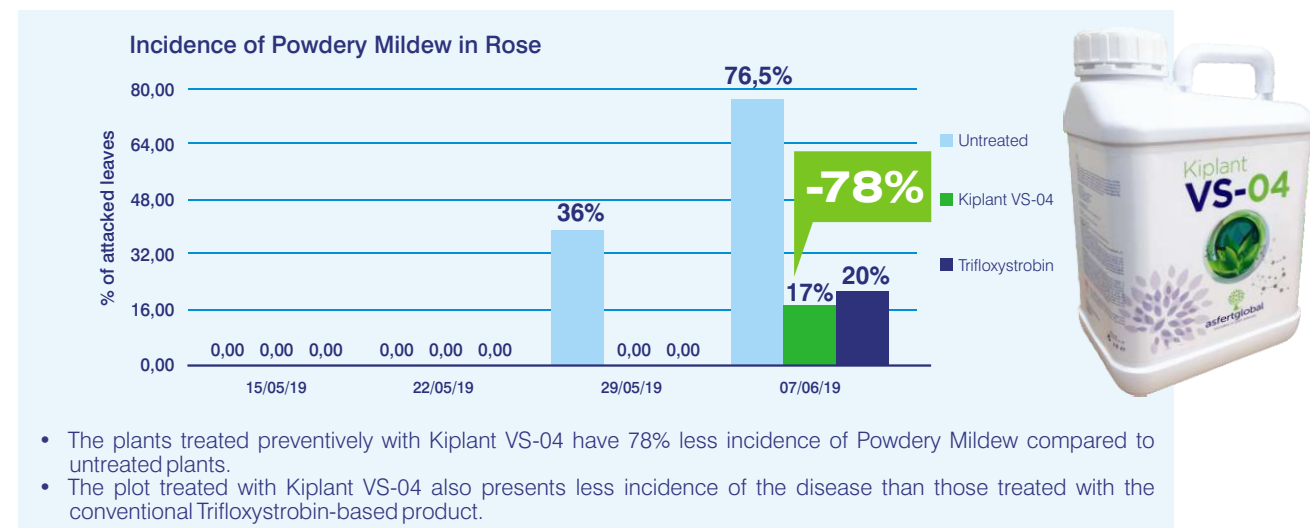


Kiplant VS-04

Chitosan and micronutrient based solution that favours several enzymatic reactions and stimulates the activity of beneficial microorganisms in the soil, favouring seed germination and root development. Kiplant VS-04 reinforces the plant's defences against fungi, bacteria and viruses, inducing resistance against infections, enabling an optimisation of productivity, with a higher crop quality and without residue.

ROSE TRIAL

A trial was carried out by Anadiag (Company certified for trials) in a hydroponic greenhouse in the region of Anadia, Portugal, with 3 modalities and 4 repetitions, with 5 foliar applications of Kiplant VS-04.



- The plants treated preventively with Kiplant VS-04 have 78% less incidence of Powdery Mildew compared to untreated plants.
- The plot treated with Kiplant VS-04 also presents less incidence of the disease than those treated with the conventional Trifloxystrobin-based product.

APPLICATION METHOD

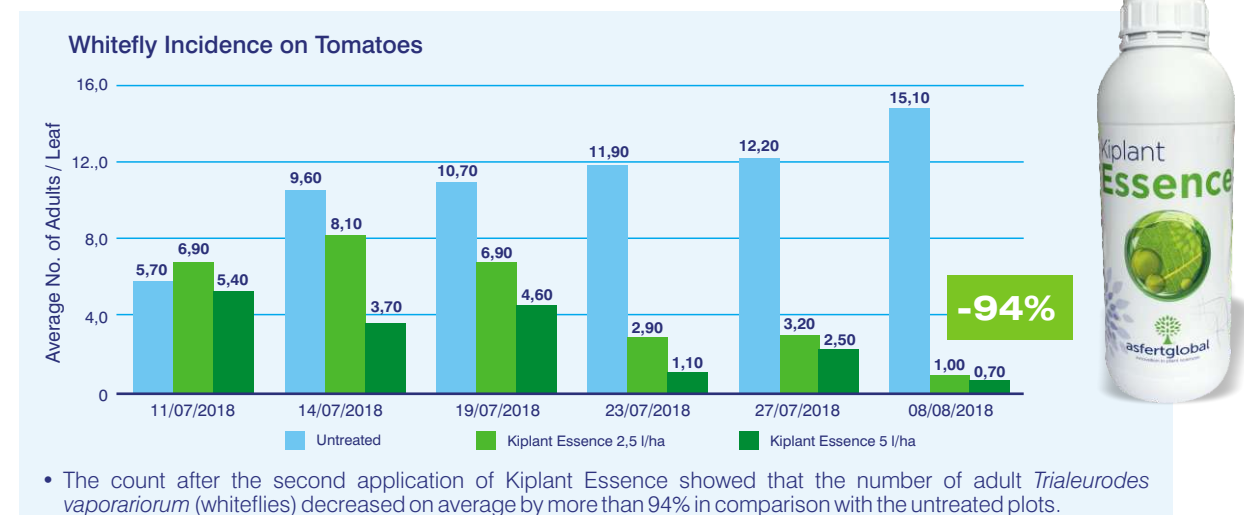
By foliar: 150–300 ml per 100 litres of water.
In fertigation: 3 to 5 litres per hectare.

Kiplant Essence

Formulated based on terpenic compounds from botanical extracts and co-formulants that promote the reduction of the humidity of the plant's surface, generating an unfavourable environment for the development and multiplication of several insects. Due to its special formulation, it improves the homogeneity of distribution and adherence of the spray mixture, increasing the effectiveness of other products applied in combination.

TOMATO TRIAL

A trial was carried out by Anadiag (Company certified for trials) in Montemor-o-Velho, Portugal, in an area of 10.5 m² of greenhouse tomatoes, with 3 modalities and 4 repetitions and with 2 foliar applications of Kiplant Essence, at doses of 2.5 l/ha and 5 l/ha, with the second application being carried out 7 days after the first.



APPLICATION METHOD

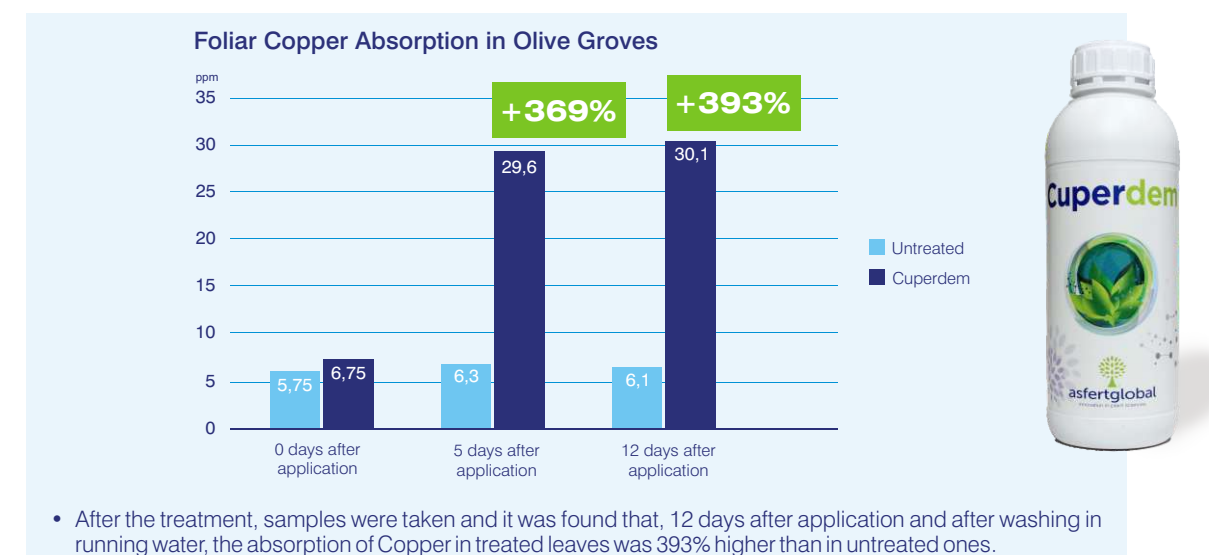
By foliar: 200–300 ml per hectare, in 2 to 3 applications with one-week intervals.

Cuperdem

Copper Heptagluconate solution based with a strong systemic effect for foliar and root application that has a high persistence to washing, reducing the amount of Copper ion applied, thus avoiding harmful accumulation in soils. Cuperdem has a direct action in fundamental processes such as photosynthesis, respiration and phytoalexin production, ensuring the plant's resistance to some pathogenic agents.

OLIVE GROVE TRIAL

A trial was carried out by the R&D Department of Asfertglobal in nonirrigated olive groves in the region of Azeitão, Portugal, with a density of approximately 625 plants/ha, in 4 randomised blocks of 8 plants arranged in 4 lines of approximately 24 metres, with a foliar application of Cuperdem at a dose of 3 l/ha.



- After the treatment, samples were taken and it was found that, 12 days after application and after washing in running water, the absorption of Copper in treated leaves was 393% higher than in untreated ones.

APPLICATION METHOD

By foliar: 150–300 ml per 100 litres of water.
In fertigation: 3 to 5 litres per hectare.

Elite Portfolio

production
+ quality
no residue


asfertglobal
innovation in plant sciences

ASFERTGLOBAL
Rua Nova da CEE - Perfilho
2005-008 Várzea - Santarém
Portugal

T. +351 243 779 431
info@asfertglobal.com
asfertglobal.com


asfertglobal
innovation in plant sciences



production
+ quality
no residue

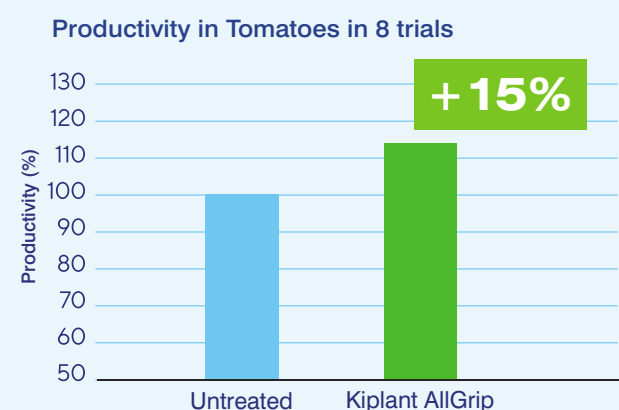


Kiplant AllGrip

Biofertilizer made up of a bacterial consortium that promotes plant growth, with particularly relevant action in the production of phytohormones, solubilisation of phosphate from inorganic sources, and mineralisation of Phosphorus and other nutrients from the production of extracellular enzymes. Kiplant AllGrip has a direct action on crop growth and productivity and presents consistent results in a wide variety of soils, thus enabling an effective reduction in the use of chemical fertilisers.

TOMATO TRIAL

Over 4 years, 8 trials were carried out by Soilvitae (Company certified for trials – Spin-off of the Faculty of Sciences of the University of Lisbon) on greenhouse tomatoes in different cultivation areas and multiple modalities, with the application of Kiplant AllGrip, presenting the achieved average:



- On average, the tests carried out enabled the achievement of a 15% increase in tomato production.
- There were consistent and similar results across the 8 trials.

APPLICATION METHOD

By fertigation: 3 to 6 litres per hectare, in one or two applications to the crop.

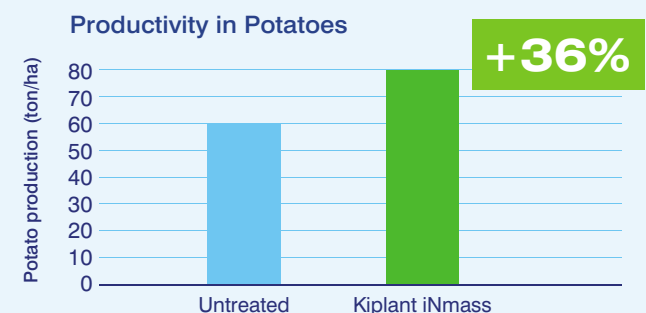


Kiplant iNmass

Biofertilizer made up of a bacterial consortium that holds nitrogen-fixing microorganisms and phytohormone producers, whose synergy results in an efficient complement to the plant's nutrition, since it acts in the formation of lateral and adventitious roots and in the elongation of the stem, promoting its growth and increasing productivity. Kiplant iNmass favours nutrient acquisition by increasing the availability of nutrients in the soil, thus enabling an effective reduction in the use of chemical fertilisers, also promoting the increase of the plant's resistance to abiotic stresses through its effect on the osmotic regulation promoted by the integrating microorganisms.

POTATO TRIAL

A trial was carried out by Soilvitae (Company certified for trials – Spin-off of the Faculty of Sciences of the University of Lisbon) on potato, in Lourinhã, Portugal, with 2 study modalities, with 4 repetitions of 5 m² each, with 2 applications of Kiplant iNmass in doses of 3l/ha, the first by spraying during sowing and the second 3 weeks later, by direct application in the soil near the plant.



- There was an increase in production of 20 tonnes of potatoes per hectare in the plots treated with Kiplant iNmass, thus representing a 36% increase in the crop in comparison with the untreated plot.

APPLICATION METHOD

By fertigation: 3 to 6 litres per hectare, in one or two applications to the crop.

Eckosil

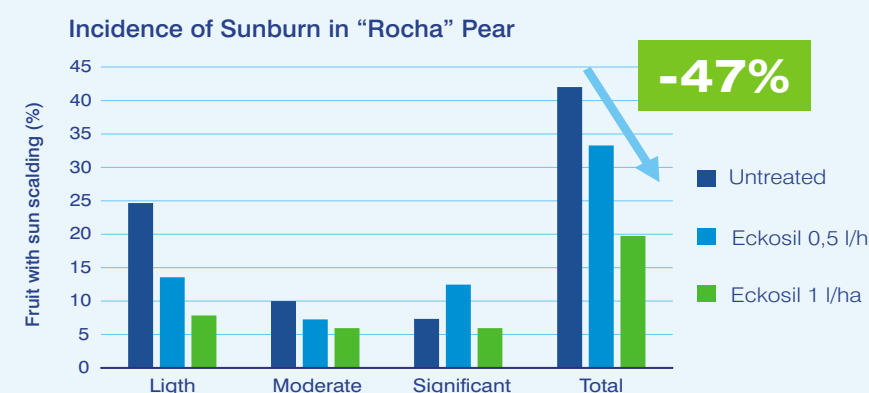
Solution in the form of Orthosilicic Acid with regulating action on the absorption and transport of Calcium, Phosphorus, Potassium and Magnesium. Eckosil provides the accumulation of Silicon in the walls of the plant cells, increasing rigidity and resistance, also reducing losses due to evapotranspiration, maintaining the water balance even in situations of high transpiration.

The benefits of applying Eckosil:

- Improved tolerance to environmental stresses: extreme temperatures, drought, salinity and heavy metals.
- Reduction of the severity of attacks by diseases and pests.
- Improvement of quality parameters: fruit weight, uniformity, appearance and brix grade.

"ROCHA" PEAR TRIAL

A trial was carried out at INIAV – National Station of Fruticulture Vieira Natividade (Alcobaça centre), Portugal, on pear trees with 3 study modalities, with repetitions of 3 blocks of 4 trees, for a total of 12 trees, with 4 foliar applications of Eckosil (weekly) in doses of 0.5 l/ha and 1 l/ha.



- In trees treated with Eckosil, there was a significant reduction in the incidence of sunburn in the fruits, in all modalities.
- In the application dose of 1 l/ha, the incidence of sunburn in "Rocha" Pear was reduced by 47%.

APPLICATION METHOD

By foliar: 30–50 ml per 100 litres of water.
In fertigation: 0.5 to 1 litre per hectare.



Mycoshell

Biofertilizer based on Mycorrhizae of the *Glomus intraradices* species, which accelerates initial growth, reducing stress after transplanting, thus increasing and homogenising the transport of nutrients to the plant and conferring resistance to pathogens, providing greater success in the plantations and reducing the need for replanting.

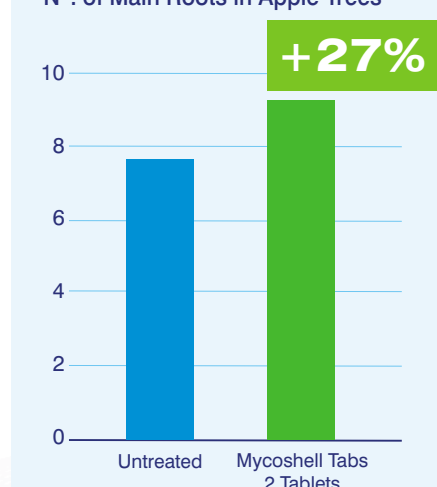
Mycoshell improves soil quality and plant development because it:

- Helps homogenise the plants' availability and accessibility to nutrients.
- Increases the assimilable Phosphorus fraction.
- Makes soils more permeable to water and helps transport water from deeper levels to the surface.
- Increases the plants' defence against root fungi, nematodes and some insects.

APPLE TREE TRIAL

A trial was carried out at INIAV – National Station of Fruticulture Vieira Natividade (Alcobaça centre), Portugal, on Royal Gala 'Redlum' apple tree with 2 study modalities, with only one application of 2 Mycoshell Tabs.

Nº. of Main Roots in Apple Trees



COMPARATIVE APPLE TRIAL



- In plants treated with Mycoshell Tabs, a greater number of main roots were found compared to untreated plants.

APPLICATION METHOD

Mycoshell

Direct application in the planting hole.
The recommended dosage is 10–20 g per fruit tree. In horticulture, it is 5–10 g per plant.

Mycoshell Drifter

Application through fertigation.
The general recommended dosage is 1 to 2 kg per hectare.

Mycoshell Tray

Direct application to the seedbed substrate.
The general recommended dosage is 5–10 kg/m³ of substrate.

Mycoshell Tabs

Direct application in the planting hole.
The general recommended dosage is 1 to 2 tablets per plant/tree.

Available in multiple formats.

