

ESPERSA

Charity Organism Complex

Registro RSCO-073/IX/01

DESCRIPTION

ESPERSA is a compound of microorganisms for protection against phytopathogens that take advantage of the antagonistic and antibiotic properties of *Bacillus subtilis* and *Trichoderma harzianum*. In addition, it contributes to the solubility of Phosphorus by means of *Pseudomonas fluorescens*, considerably increasing the disposition of this element by the plant and favoring the fixation of N_2 by *Azospirillum sp* and *Bacillus Megaterium*. It is recommended to add alongside minerals, humic and fulvic acids, growth-promoting microorganisms, and plant nutrition: *Azospirillum brasilense* (fixation of N_2) and *Bacillus megaterium* (solubilization) of Phosphorus and Nitrification of N.

COMPOSITION

CONTENT / VOLUME

ORGANIC ACIDS	250 ml/L
TRICHODERMA HARZIANUM	1.0 X 10 UFC/ml
BACILLUS SUBTILIS	1.0 X 10 UFC/ml
AZOSPIRILLUM SP	1.0 X 10 UFC/ml
BACILLUS MEGATERIUM	1.0 X 10 UFC/ml
PSEUDOMONAS FLUORESCENS	1.0 X 10 UFC/ml

WAY OF ACTING

Ability to promote inducers of plant resistance through the production of phytoalexins; as well as contribute to the nutrition of plants. Ideal for the control of most diseases caused by fungi and bacteria in root, stem and leaves. It produces Siderophores and increases antagonism against: *Fusarium*, *Erwinia*, *Pseudomonas*, *Xanthomonas*, *Botrytis*, *Rhizoctonia*, *Phytophthora*, *Cenicilla* or *Oidium*, *Podricion texana*, *Alternaria*, among others.

COMPATIBILITY

ESPERSA is compatible with most agrochemicals applied to foliage, as well as other organic and inorganic products. Keep at a temperature of 14-24°C. It is not compatible with fungicides or products with a strong alkaline reaction.

APPLICATION MODE

Apply 5 liters of product per hectare, diluted in the amount of water needed according to the application equipment via irrigation, drench, or by inoculation. It can be mixed with other biologic products to increase microbiology and achieve a combined effect.

ESPERSA gets along well with the environment, it does not harm insects, nor does it cause secondary diseases. Furthermore, it accommodates well in integrated management programs.

INTEGRAL TECHNICAL ADVICE

All our products must be used in conjunction with a balanced fertilization program. It is recommended to do an analysis, both soil and foliar, to achieve optimal growth and production. Consult our advisers at AGRONUTRIENTES DEL NORTE, S.A. DE C.V. for more information.



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