



# VARUNA

BIOFERTILIZER FOR VEGETABLES



## FEATURES

**AGRIBIO VARUNA** allowed in organic agriculture improves the structure of the soil and therefore increases water capacity and air circulation in the soil (very important property in heavy soils for the life of the roots).

The species of microorganisms present in **VARUNA** operate a phytostimulant activity that increases the growth of plants with the production of auxins and the nodulation of the roots, they produce enzymes such as amylase, protease, lipase and phytase which make available nutrients such as nitrogen and phosphorus.

The mycorrhizae improve the supply of nutrients (such as N, P, Zn and Cu), in organic and/or inorganic form and perform a protective function by competing fungal hyphae with other soil microorganisms, thanks to the increase in tolerance to drought and at high temperatures of crops, the formation of a physical barrier that reduces the possibility of infections and finally a reduction of phenolic compounds and toxic metals in the soil.

Trichoderma exerts its actions through different ways (parasitization, antagonism, production of secondary metabolites, competition for space and nutrients). It also carries out phytostimulation, biodegradation, mobilization of phosphates activities.

**VARUNA** improves the radical proliferation, also due to the marked action on cell division and multiplication, the increase of the Brix degree, through modulators of various channel receptors (protein), such as that for potassium; the reduction of water stress; the increase of the microflora near the roots; attracts pollinating insects to encourage entomophilic pollination.

Particular series of actinomycetes promote the secretion of antibiotic substances capable of increasing resistance towards different types of fungal and bacterial diseases.

**VARUNA** favors collateral activities such as attacking nematodes and terrestrial insects

## SPECIFIC ACTION PRODUCT

Inoculum of mycorrhizal fungi

Type of organic soil conditioner: simple non-composted vegetable soil conditioner

Mycorrhizal content	0.5%
Rhizosphere bacteria content	$1.2 \times 10^8$ CFU / gr
Thricoderma content	$1,3 \times 10^7$ CFU/gr

## APPLICATION PERIOD

Pre-sowing, transplanting (soil or root treatment) every 2/3 weeks until harvest

## FERTIRRIGATION TREATMENTS

always add Agribio Varuna last, before starting the treatments.

With soil substrate use the doses indicated in the table, with fiber substrate decrease the doses to 35 ml and apply weekly.

## ADVANTAGES

- \* Very fluid formulation very simple to use
- \* Allows an effective release of nutrients in the soil
- \* It improves soil fertility and promotes the development of the root system
- \* Improve the efficiency and absorption of substances
- \* Supports growth especially in conditions of intense metabolic effort (e.g. high growth rates, high fruit set) and improves tolerance to environmental stress
- \* Helps to decrease the phenomenon of root rot and collar
- \* It improves the quality of the product by increasing the Brix degree of the fruit
- \* Increase your yields



Solution liquid



Application foliar  
Fertigation



Packaging lt 1-5





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## DOSAGE AND APPLICATION FOR LEAF VEGETABLES

PHENOLOGICAL STAGE	PRESOWING TRANSPLANT	POST SPROUTING	EVERY 2 WEEKS UNTIL THE HARVEST
APPLICATION DOSAGE	Foliar 50 ml/1000 m <sup>2</sup> 50 lt warter	Foliar 50 ml/1000 m <sup>2</sup> 50 lt warter	Foliar 50 ml/1000 m <sup>2</sup> 50 lt warter

## DOSAGE AND APPLICATION FOR FRUIT VEGETABLES

PHENOLOGICAL STAGE	PRESOWING TRANSPLANT	POST SPROUTING	EVERY 2 WEEKS UNTIL THE HARVEST
APPLICATION DOSAGE	Foliar 60 ml/1000 m <sup>2</sup> 50 lt warter	Foliar 60 ml/1000 m <sup>2</sup> 50 lt warter	Foliar 60 ml/1000 m <sup>2</sup> 50 lt warter

## NOTE FOR FERTIRRIGATION TREATMENTS

Always add **VARUNA** to the tank last before starting the treatment. In the case of growing vegetables with soil, use the same doses indicated in the table. In the case of crops with fiber substrate, decrease the dose to 35 ml and apply weekly.

