

ORGANIC AND ORGANO-MINERAL

CITOSAN

ORGANIC NITROGENOUS FERTILIZER EXTRACT OF ASCOPHYLLUM NODOSUM

COMPOSITION

TOTAL AVAILABLE ORGANIC NITROGEN (N) 1%
POTASSIUM OXIDE (K₂O) water soluble: 19-20%
Betaines: 0,1% - Mannitol: 5%
CARBON (C) organic of biological origin: 20%

AUTHORIZED IN ORGANIC FARMING

FEATURES

CITOSAN comes from the seaweed *Ascophyllum Nodosum* collected in the waters of the coast of Nova Scotia, they are treated to maintain the integrity of the 60 ingredients they contain and that are essential to the life of the plants.

The presence of growth hormones (cytokinins, auxins, gibberellins) and of some other bio-stimulants (polyamines, oligosaccharides) is advantageous because they improve the resistance of the plants to unfavorable environmental conditions, parasite attacks and physiopathologies. CITOSAN stimulates all the biological activities of the plant: germination, rooting, pigmentation, sugar and chlorophyll synthesis.

Using this product, the advantages are evident on the production both in quantity and in quality and it brings benefits for the health of the plants.

It is particularly important to use CITOSAN in case of frosts because it allows to reduce the threshold of the vegetative stasis of 2-5° C.

GENERAL TIPS FOR USE

The product is compatible with most of all fertilizers and plant protection products, anyway we suggest to not mix the formula with solutions very acidic and alkaline.

It works as a carrier, so we recommend to not use it in combination or immediately after the use of phytopharmaceuticals.

CITOSAN is totally water soluble but we suggest to dissolve it slowly, shaking it in order to avoid lumps.

Carefully reseal the package and store in cool place.

DOSES AND USE PATTERNS

TRANSPLANT: in this phase immerse the root system of the plant in 2 grams of product per 10 liters of water and then plant it.

SEED TREATMENT: get wet the seeds in 3 grams of product per 10 liters of water, or spray the transplanted seed in 1.5 grams of product per 10 liters of water.

FOLIAR TREATMENTS AND FERTIGATION:

The doses and the period suggested can vary depending on the climatic region and on the kind and the fertility of soil. Here are the minimum treatments:

FOLIAR TREATMENTS:

Fruit picking: 750 grams per hectare, 4 applications.

Citrus trees: 1100-1400 grams per hectare, 4-5 applications.

Horticulture: 50-60 grams per 100 liters of water, minimum 3 applications.

Strawberries: 600-750 grams per hectare, 4 applications.

Lawn/Playing fields: 750 grams per hectare, starting from the growth every 3-4 weeks. Treat again after periods of stress or intensive exploitation, and to increase the resistance to the damage caused by frost.

Fruit picking: 40-50 grams per 100 liters of water. Regular treatments every 15-20 days.

ROOT TREATMENTS: 200-250 grams per hectare.

Processing tomato (fertigation): 1100 grams per hectare in pre-flowering, in full bloom and at the formation of the berry.

The use of CITOSAN is particularly interesting in terms of costs and benefits. The results of morphological and organoleptic characteristics, the best cold storage and industrial processing of fruits can be achieved with regular treatments.

Fruit picking (apple-works, stone fruits, citrus) 6-8 kg per hectare per year, Viticulture: 3-4 kg per hectare per year, Horticulture short cycle: 1,5 kg per hectare per year, Horticulture medium and long-cycle: 2,5-3 kg per hectare per year, Fruit picking depending on the species and the agronomic needs: 1 treatment every 7-15 days.

PACKING: 1 KG BAGS, 5 KG BUCKETS, 20 KG BOXES.