

Nanocrop™ Magnesio

Amino acids with magnesium in the form of nanoparticles



Nanocrop™ Magnesio is a liquid formulation with 1.4% w/w of magnesium oxide in the form of nanoparticles dispersed in **Elicitech^{2®}** (98.6% w/w).

The nanoparticle size (between 20-40 nm) allows the magnesium to be more easily translocated into the plant, and it further allows obtaining better coverage on the leaf surface, with a minimal amount of magnesium. Since magnesium is the central nucleus of the chlorophyll molecule, it effectively optimises photosynthesis processes.

Elicitech^{2®} is a formulation based on metabolic activators and amino acids of plant origin, which act by stimulating self-protection mechanisms in plants, improving their metabolic system, and also act as nanoparticle carriers.

Nanocrop™ Magnesio provides the following advantages:

- ✔ It intervenes in the activation of a number of enzymes required for plant development and contributes to protein synthesis.
- ✔ It is a basic element in the chlorophyll molecule, therefore it increases plant greenness.
- ✔ It reduces the transfer of carbohydrates from the leaves and stems of the root.
- ✔ It helps to store sugars inside the plant.
- ✔ It promotes phosphorus absorption and transport.
- ✔ It increases resistance to diseases.
- ✔ It activates different enzymes, especially those acting on phosphorylated substrates such as ATP, which gives energy to the plant.

Dosage

FOLIAR APPLICATION

Sweet fruits	
Vine	200-300 cc/hl
Citrus fruits	Multiple applications
Olive trees	
Horticultural crops	
Alfalfa and other extensive farming crops	1.5-2 l/ha Multiple applications

Guaranteed contents (% w/v)

Magnesium oxide nanoparticles	1.54
Free amino acids of plant origin	17.35

AMINOGRAM (%): Hyp (0,01), Asp (0,24), Glu (7,84), Ala (0,18), Arg (0,28), Ile (0,10), Phe (0,11), Gly (4,27), His (0,03), Leu (0,13), Lys (2,10), Met (0,01), Pro (0,44), Ser (0,45), Tyr (0,01), Trp (0,01), Thr (0,20), Val (0,27)

Physicochemical characteristics

pH: 7.8

Density: 1.1 g/mL at 20 °C

Total water solubility