

Maximum Efficiency in Fertigation,
Foliar Feeding and Hydroponics

solub



CALCIUM AND NITROGEN ALL-IN-ONE

CN solub is the water soluble calcium nitrate of EuroChem. It is a highly efficient source of calcium and nitrogen promptly available to plants.

Calcium is an important secondary macronutrient, directly related to the formation of the cell walls of the plants. It is demanded during the entire life cycle of any crop. CN solub helps the plants to be more resistant to stress and improves the quality and shelf life of the crops.



SPECIFICATIONS

CA(NO ₃) ₂ 15.5:0:0 + 18.5%CA	CONTENT
Nitrogen (N)	15.5 %
Nitrate Nitrogen (N-NO₃)	14.4 %
Ammonium Nitrogen (N-NH₄)	1.1 %
Calcium (Ca)	18.5 %
Calcium Oxide (CaO)	26 %
Solubility (20°C)	1.200 g/l water
EC (0.1 % at 25°C)	1.2 mS/cm
pH (5 % solution)	5 - 7
Form	granular
Color	white

VIRTUALLY 100 % PLANT NUTRIENTS

- CN solub has less than 0.2 % insoluble matter and thus does not cause any problems of clogging nozzles, irrigation lines or emitters.
- Contains 26.0 % of Calcium oxide, equivalent to 18.5 % of pure calcium soluble in water.
- Free of impurities such as chloride, sodium, perchlorate or heavy metals. It is made of virtually 100 % plant nutrients, therefore it does not contain any element harmful to crops.

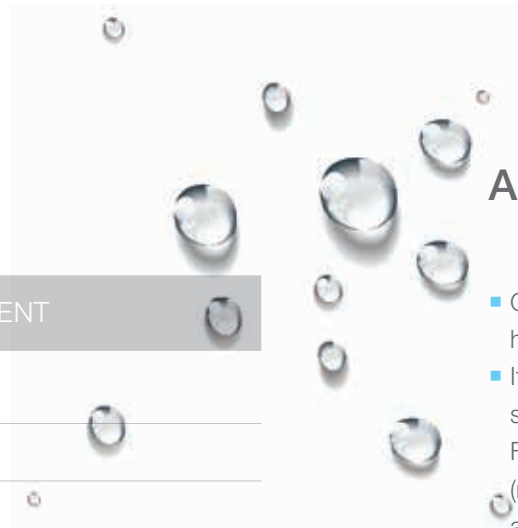
- It promotes the development of the root system, increase the quality and resistance of the plants to phytopathology agents.
- The nitrate of CN solub is promptly absorbed by the plants and it increases the absorption of cations such as calcium, magnesium or potassium.
- Free flowing granular product.
- Available in 25 kg bags and big bags.



APPLICATION

- Can be applied in all fertigation programs, hydroponics, soil application or even foliar application.
- It can be mixed with other fertilizers except to stock solution of products containing phosphates or sulphate. For example, if CN solub is mixed with MAP solub (monoammonium phosphate), the calcium from CN solub and the phosphate from the MAP solub can form calcium phosphate, which is insoluble and precipitates out, clogging lines and emitters during the fertigation.

- Because of its extremely low mobility in the phloem, calcium must be applied during all life cycle of the crops in order to ensure good levels of this important nutrient in the vegetable tissues and promoting a good development of the plants.



FOR MAXIMUM EFFICIENCY IN FERTIGATION

EuroChem water soluble fertilizers consists of a complete range of products that make fertigation even more effective. In times of water shortages and increasing demands on farmers, such fertilizing has become indispensable. It provides considerable water savings and fixed dosage of fertilizers, in addition to providing optimized crop nutrition, resulting in increased crop quality and yields.

That is why we have set the bar particularly high in end-sourcing product development. Our high-quality water soluble fertilizers are all free of chlorine and other undesirable elements, and ensure fast and complete dissolution in water. Furthermore, they are ideally suited for all types of application including fertigation, foliar feeding and hydroponics.

The optimization of nitrogen fertilization is a fundamental aspect of modern, sustainable agriculture, which strives for maximum yields in an environmentally friendly manner, with healthy harvests and assured profitability for farmers. However, the use of fertilizers in drip irrigation requires fertilizers that are completely soluble in water and free of impurities, in order to avoid blockages in the irrigation system.



THE MOST EFFECTIVE WAY TO SUPPLY PLANTS WITH ALL NUTRIENTS



Optimal nutrient uptake for higher yields

The uptake of nitrogen as ammonium lowers the pH value in the root zone, favoring the uptake of phosphorus and a variety of microelements, which are more readily available at acidic pH levels. Our water soluble fertilizers thus lead to increased root formation and better nutrient assimilation, which also contributes to increased yields.

Better crop quality

Our water solubles also improve certain aspects of crop quality, including a reduced nitrate content of the leaves and fruit, a more uniform size, increased consistency, improved color and better conservation.

More environmentally friendly

Applying soluble fertilizers reduces the water contamination by nitrates as well as the emission of nitrogen gases into the atmosphere.

Improved flowering and fruit setting

Ammonium uptake promotes the synthesis of a number of plant hormones (gibberellins, cytokinins and polyamines), which are responsible for flowering, thus ensuring greater setting, which in turn leads to increased yields.



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