

Maximum Efficiency in Fertigation,  
Foliar Feeding and Hydroponics

**solub**



**MAXIMIZING NUTRIENT EFFICIENCY AND PROTECTING THE ENVIRONMENT**

ENTEC<sup>®</sup> solub fertilizers inhibit the transformation of ammonium nitrogen into nitrate nitrogen (nitrification), ensuring it remains in the soil for a certain time. This is achieved by inhibiting nitrosomonas bacteria, responsible for transforming ammonia into nitrite. Plants thus obtain both forms of mineral nitrogen, ammonium and nitrate, over a prolonged period.

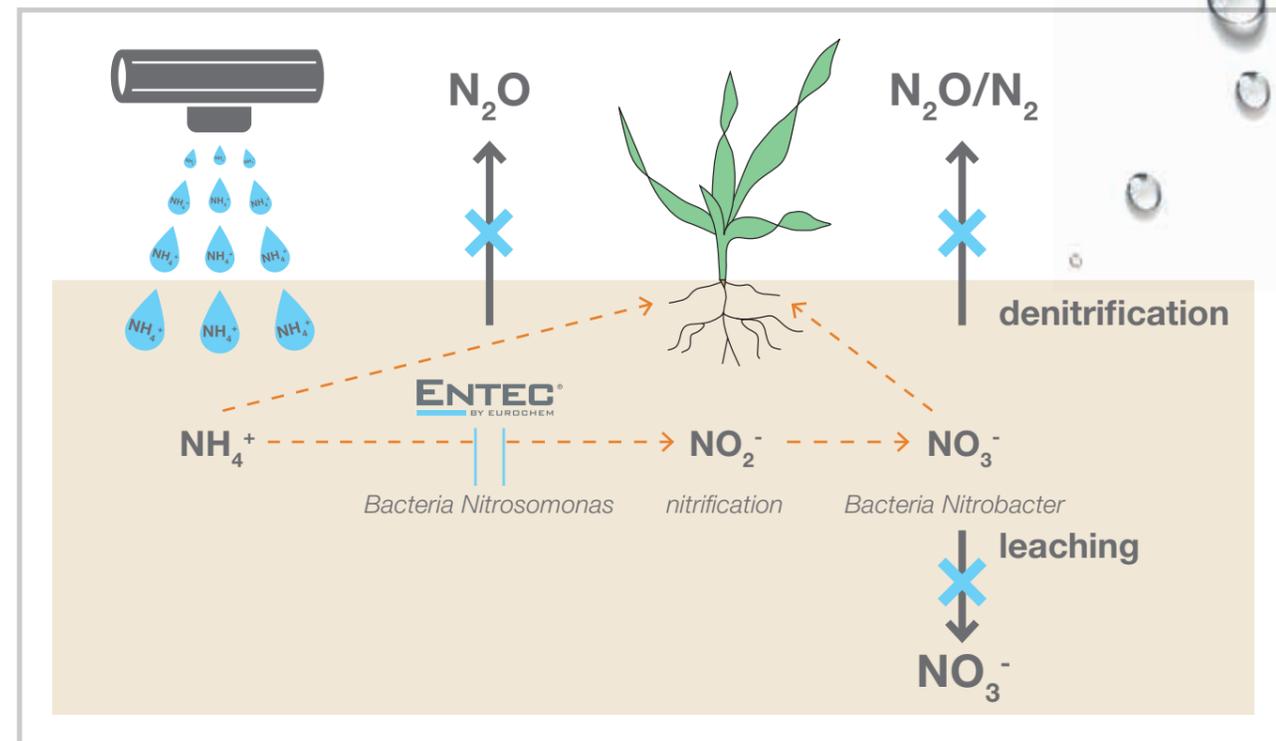
Crops benefit from mixed nitrogen nutrition with limited risks of nitrogen loss to the environment.

Improving nitrogen use efficiency: ENTEC<sup>®</sup> solub fertilizers are approved under European fertilizer legislation according to REGULATION (EU) No 1257/2014.



- Reduced loss of nitrogen and optimum ammonium / nitrate balance mean that ENTEC<sup>®</sup> solub fertilizers provide more nitrogen for crop uptake.
- The uptake of nitrogen as ammonium lowers pH in the root zone, favouring the uptake of phosphorus and some microelements, which are more readily available at acidic pH levels. This results in increased root formation and better nutrient assimilation, which also contributes to increased yields.
- Ammonium uptake promotes synthesis of some plant hormones (gibberellins, cytokinins and polyamines), responsible for flowering, ensuring greater setting, which translates into increased yields.

- ENTEC<sup>®</sup> solub fertilizers can also improve certain aspects of crop quality, such as reduced nitrate content of leaves and fruit, a more uniform size and increased consistency, colour and conservation.
- Applying ENTEC<sup>®</sup> solub fertilizers reduces both nitrate leaching and the emission of nitrogen gases into the atmosphere.
- Available in 25 kg bags.



	ENTEC <sup>®</sup> solub 21	ENTEC <sup>®</sup> solub 11:5:30
<b>Total Nitrogen (N)</b>	21 %	11 %
<b>Nitrate Nitrogen (NO<sub>3</sub><sup>-</sup>)</b>	–	5 %
<b>Ammonium Nitrogen (NH<sub>4</sub><sup>+</sup>)</b>	21 %	6 %
<b>Phosphorous Pentoxide (P<sub>2</sub>O<sub>5</sub>)</b>	–	5 %
<b>Potassium Oxide (K<sub>2</sub>O)</b>	–	30 %
<b>Sulphur Trioxide (SO<sub>3</sub>)</b>	60 %	27 %

## 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.

### 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.

### More environmentally friendly

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



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