

Maximum Efficiency in Fertigation,
Foliar Feeding and Hydroponics

solub



FOR MAXIMUM EFFICIENCY IN FERTIGATION

EuroChem water soluble fertilizers are 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.

The optimization of nitrogen fertilization is a fundamental aspects 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.

That is why we have set the bar particularly high in endsourcing 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 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.

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.

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.



solub

UP SOLUB – NUTRITION WITH HIGH P, THAT CLEANS YOUR IRRIGATION SYSTEM

UP solub is the water soluble Urea Phosphate of EuroChem. UP solub is ideal when growing any crop, especially in alkaline conditions and can be used in foliar or fertigation applications. The high acidity of UP solub helps to clean the irrigation system and prevents clogging, which is especially useful in hard water situations.

Use UP solub in any crop at the start of the vegetative development, when the plant requires large quantities of phosphorus to form a strong developed root system and at the same time also requires nitrogen for the vegetative growth.



SPECIFICATIONS

$(\text{CO}(\text{NH}_2)_2 \cdot \text{H}_3\text{PO}_4)$ 17.5-44-0	CONTENT
Nitrogen (NH_2)	17,5 %
Phosphorus (P_2O_5)	44 %
Phosphorus (P)	19 %
Solubility (20°C)	1.000 g/l
EC (0,1 % solution at 20°C)	1,6 mS/cm
pH (1,0 %)	2,0
Form	crystalline
Color	white

HIGHEST SOLUBILITY FOR ANY CROP IN ALKALINE CONDITIONS

- UP solub is an acidic crystalline fertilizer.
- Compared to other phosphate fertilizers, UP solub has the highest solubility, reaching 1.000 g/l at 20°C.
- UP solub is the ideal phosphorous source when growing any crop, especially in alkaline conditions.
- High concentration in phosphorus, 44 % of P_2O_5 which is equivalent to 19 % of pure P.
- Contains 17,5 % of nitrogen in the amidic form (NH_2).
- UP solub can be applied via foliar feeding in order to correct N and P deficiency and combined with agro-chemicals it helps to reduce the pH of the solution. A jar test to ensure compatibility is necessary, and avoid application of too acidic solutions, usually not lower than pH 4,0.
- In P deficient crops or in critical phenological phases UP solub can provide a quick P source to solve the deficiency via foliar application.
- UP solub can be used for fertigation and foliar feeding.
- Eco-friendly: negligible amounts of heavy metals.

CONVENIENT HANDLING AND CLEANING CHARACTERISTICS

- UP solub is a dry acid and therefore more convenient to handle than other acids in liquid form, such as phosphoric, sulfuric or nitric acid.
- The pH of UP solub is extremely acidic, 2,0 at 1,0 % concentration.
- The low pH of UP solub cleans the irrigation system and prevents the clogging of the irrigation emitters, especially in hard water areas (with excess of Calcium, Magnesium or bicarbonate).
- After adopting UP solub in the fertigation plan there is no need to use any other acidifying solution in most cases.
- UP solub is available in 25 kg Polypropylene bags or 1.200 kg big bags.



HEADQUARTERS

EuroChem Group AG

Baarerstrasse 37
6300 Zug, Switzerland

Phone: +41 41 727 1600

info@eurochemgroup.com
www.eurochemgroup.com

EuroChem Trading GmbH

Baarerstrasse 37
6300 Zug, Switzerland

Phone: +41 41 727 7604

Fax: +41 41 727 7606
sales@eurochemgroup.com

EUROPE

EuroChem Agro GmbH

Reichskanzler-Müller-Straße 23
68165 Mannheim, Germany

Phone: +49 621 87209 0

Fax: +49 621 87209 101

info.europe@eurochemgroup.com
www.eurochemagro.com

LATIN AMERICA

EuroChem Comercio de Produtos Quimicos LTDA

Rua Iguatemi, 448 – conj. 902
01451-010 Sao Paulo-SP Brasil

Phone: +55 11 3562 1486

Fax: +55 11 3562 1486

sales-LA@eurochemgroup.com

RUSSIA AND CIS

EuroChem Trading RUS

53 Dubininskaya street, bld. 6
Moscow, 115054 Russia

Phone: +7 495 795 2527

Fax: +7 495 795 2532

distribution@eurochem.ru

ASIA AND PACIFIC

EuroChem Agro Asia Pte Ltd

One George Street #23-04
Singapore 049145

Phone: +65 688 028 40

Fax: +65 653 615 94

sales-AP@eurochemgroup.com

NORTH AMERICA

EuroChem Trading USA Corp

2701 North Rocky Point Drive
Suite 600 Tampa, Florida 33607 USA

Phone: +1 813 549 3400

Fax: +1 813 549 3401

sales-NA@eurochemgroup.com

AFRICA

EuroChem Trading GmbH

Baarerstrasse37
6300 Zug, Switzerland

Phone: +41 41 727 7604

Fax: +41 41 727 7606

sales@eurochemgroup.com



EUROCHEM