



# Aqualis™ UP Solub — nutrition with high P, that **cleans your irrigation system**

Aqualis™ 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.

Water-soluble fertilizers Aqualis™

## Specifications

Nitrogen (N as $\text{NH}_4$ )	18 %
Phosphorus ( $\text{P}_2\text{O}_5$ )	44 %
Phosphorus (P)	19 %
Solubility (20°C)	1000 g/l water
EC (0,1% at 25°C)	1,6 mS/cm
pH (1,0 %)	2
Form	crystalline
Color	white

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.

## 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  $\text{P}_2\text{O}_5$  which is equivalent to 19 % of pure P.
- Contains 17,5 % of nitrogen in the amidic form ( $\text{NH}_2$ ).
- 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.

