



We Crystallize MAP

Production of soluble, high quality
Mono Ammonium Phosphate

There is an increasing need of high purity and water-soluble fertilizer for fertigation and foliar applications. Your clients are more and more exigent and are looking for new products, which are fully water soluble and offer an efficient source of phosphorus and nitrogen. GEA has extensive experience in the design, manufacture and installation of a range of processing equipment for the fertilizer Industry.

With more than 100 years of experience in crystallization, GEA is able to support you in the further development of your products with sophisticated tailor-made plant solutions, which are adapted to the specific composition of your merchant grade phosphoric acid (P_2O_5).

Our crystallization technology allows the control of impurities, thus guaranteeing the quality of the final product.

Special features

- Fully water soluble MAP with low level of insolubles (< 0,1 % insolubles in water) to avoid clogging problems on spray systems and pumps
- Free of chlorine, sodium and other detrimental elements for the plants
- Moderately pH-value (safer and less corrosive)
- Suitable for fertigation, foliar applications and production of fertilizer blends and nutrient solutions

Crystallization of soluble MAP



High quality MAP for foliar applications.

Our customer was looking for a specific solution to produce high quality products. After a deep analysis of the Merchant Grade phosphoric acid solution, GEA was able to supply a complete process to produce high quality MAP. Today our customer is a leader in his sector adding a new product to his market.



More than 1,000 m² to test out your products!

Since 1902, the year our test centre was established, around 1,000 products have been listed. Every year, 30 new products are tested successfully and 50% of the pilot tests are converted into industrial units.

Our mission is to respond specifically to your needs.

Whether you want to change or develop your process, improve your performance, test out a new product or a new innovation or even a complete process line, carry out small-scale production or upcycle a by-product, we take care of your project from A to Z.

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