Innovative Crop Nutrition Solutions for Improved Fertilizer Quality, Handling and Performance

With rising demand for quality fertilizers, increased competition, and stricter environmental, health and safety (EHS) regulations, the crop nutrition industry is being challenged to deliver better quality, high-performance fertilizer products to their customers.

Arkema-ArrMaz provides a wide range of fertilizer process aids, coatings and services to enable you to optimize your process performance, maximize production efficiency and produce superior fertilizer products for your customers.

**PRIMARY APPLICATIONS**

Whether you’re looking for increased throughput, reduced emissions or improved handling, Arkema-ArrMaz has the right product for your application.

We will conduct laboratory and on-site testing with no impact to current operations, recommend customized fertilizer process aids and coatings, and implement a tailored application system to meet your unique needs.

Arkema-ArrMaz fertilizer coatings and process aids are engineered to optimize the following processes:

- Dust Control
- Anti-Caking
- Coloring
- Foam Control
- Granulation
- Filtration
- Blending

**KEY BENEFITS**

Arkema-ArrMaz crop nutrition solutions deliver:

- Significant dust reduction for easier fertilizer handling and improved worker safety.
- Improved production capacity and efficiency.
- Substantially reduced caking of fertilizer.
- Improved flowability for ease of handling, storage and transportation.
- Enhanced fertilizer quality, color and appearance.
- Improved stability of micronutrient fertilizer blends.
- Easier compliance with Environmental, Health and Safety (EHS) Standards.
- Better compatibility in end use applications.
**MARKET APPLICATIONS**

- MAP / DAP
- GTSP
- Urea
- Micronutrients

**FERTILIZER CHEMICALS**

<table>
<thead>
<tr>
<th>Product Types</th>
<th>Applications</th>
<th>Benefits</th>
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</thead>
<tbody>
<tr>
<td>Dust Control Coatings</td>
<td>All solid fertilizers (DAP, MAP, GTSP, NPK, SOP, AN, AS, KNO₃, Urea, KCI Biosolids, Micronutrients and more…)</td>
<td>Prevents and reduces dust during storage, shipping and use. Regulatory compliance</td>
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<tr>
<td>Anti-Caking Coatings</td>
<td>All solid forms of fertilizer (such as granular, prilled and powders)</td>
<td>Controls caking during storage and shipping. Limits pile set during storage.</td>
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<tr>
<td>Coloring Agents</td>
<td>Internal and external granule coloring</td>
<td>Provides a quality uniform appearance. Creates unique product identification.</td>
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<tr>
<td>Defoamers</td>
<td>Wet process phosphoric acid production Granular fertilizer production</td>
<td>Increases production capacity and efficiency. Improves agitation / mixing and slurry circulation.</td>
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<tr>
<td>Granulation Aids</td>
<td>Phosphate, potash and NPK fertilizer granulation and more…</td>
<td>Improves granulation capacity and quality of granule structure. Promotes rapid granulation.</td>
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<tr>
<td>Micronutrient Binders</td>
<td>Macronutrient and micronutrient fertilizer</td>
<td>Stable micronutrient fertilizer blend (90 days). Low dust levels during storage, handling and transport. High micronutrient concentration on fertilizer surface. Even distribution of micronutrient on fertilizer surface. Better product appearance and color.</td>
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<tr>
<td>Services</td>
<td>On-site application and process support Laboratory services Inventory management services Equipment and automation services</td>
<td>Complete end-to-end service package. Comprehensive ongoing technical support to meet your unique needs.</td>
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**THE ARKEMA-ARRMAZ ADVANTAGE**

Since 1967, Arkema-ArrMaz has been a trusted partner to fertilizer manufacturers and distributors worldwide, delivering innovative chemical solutions for process improvement with superior responsiveness, expert technical advice and outstanding customer support. Each year, we treat millions of tons of fertilizer for some of the world’s largest fertilizer producers. Let us do the same for you.

**CONTACT**

Contact Arkema-ArrMaz today to discover how our high-quality custom crop nutrition solutions can improve your product and process. Email fertilizer.surfactants@arkema.com for further information.

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