



Have granules, no blocks

YOU KNOW FERTILIZERS. WE KNOW ADDITIVES.

Anticaking agents are tailor made product based on specific process requirements over a wide span of fertilizers. Bogdány Petrol has the designs and manufacturing ability to offer a range of anticaking agents for use in the production of fertilizers. These include specially formulated anticaking agents for NPK, ammonium nitrate and urea based fertilizers. Most of fertilizers

have tendency to form lumps or agglomerates (caking) during longer storage. The mechanism of caking in fertilizers is often attributed to the formation of salt bridges and/or capillarity adhesion. NIRAL® anticaking agents avoid caking, reduce dusting, moisture absorption and nitrogen loss in fertilizers.

Anticaking Agents for Fertilizers

Applying NIRAL® assures You a balanced scattering and regulated decomposition of fertilizers.

NIRAL®

BENEFITS OF USING NIRAL ANTICAKING AGENT

- Long storage time
- No lumps formation
- Reduced dust formation
- Uniform application of treated fertilizer
- Regulated release of fertilizer's nutrients
- Avoids washing out of fertilizer salts
- Beneficial effect on plant growth

NIRAL® Anticaking Agents

PROBLEMS AT FERTILIZER APPLICATION:

- Formation of lumps and powder
- Difficulty of uniform application
- Humidity infiltration
- Early decomposition

NIRAL Anticaking Agent forms a coating on surface of granulates or prills and avoids sticking together. It controls humidity infiltration. The wax based NIRAL anticaking agent is applicable with spraying technology.

Granular fertilizer has a very beneficial effect on plant growth, by regulated release of nutrients, by avoiding washing away of fertilizer salts, and by making granule or prill applications uniform.

Poor storage conditions and long storage without conditioning result in formation of lumps and powder thereby the benefits of granulation/prilling are largely lost by non uniform application, washing away of powdery fertilizer, and also making mechanical application of fertilizer impossible.

Prevention of such caking of fertilizer and making the fertilizer retain its customer values, are achieved by providing a uniform coating of cationic/anionic complex forming chemical formulations, in the final steps of manufacturing process of fertilizer.

ENGINEERING

Custom versions of agents can be formulated to meet your special needs. Give us your technical requirements and desired processing parameters and we will design and manufacture a product that will match your requirements.

WIDE PRODUCT RANGE

Bogdány Petrol has a wide range of anticaking agents covering numerous technical requirements for our customers.

Ask about the various versions of our anticaking agents for NPK, ammonium nitrate, urea of other fertilizers.

SALES SUPPORT

Our sales team is ready to support you in finding the best solution for your requirement. Team is technically prepared to cooperate with you if any special need appears. Delivery on time and documentation are never a special issue for us.

top Bogdány Petrol
Your Wax & Oil Specialist

