



**For the  
fertiliser  
industry**



# Anti-caking and anti-dusting agents for fertilizers

During the process of production, storage, transport and application of solid fertilisers, there is a problem with caking of products. The hygroscopic nature of inorganic salts causes crystallization and the formation of salt bridges between the particles of the fertilizer. This phenomenon favours the adhesion of fertilizer particles and the formation of lumps, especially in the case of pressure to which the fertilizer is subjected to heaps or in bags.

In order to prevent the tendency of fertilizers to agglomerate, it is necessary to use conditioning agents that are hydrophobic and capable of adhering to the surface of fertilizer granules. Anti-caking agents are used at the stage of production of granular fertilizers by their appropriate dosing to the granulator drum or by spraying in the granule transport process.



## PROTECTION

ensuring long-term protection against caking



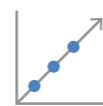
## PREVENTION

prevents fertilizer dusting during transport and use



## SAFETY

made with ingredients to ensure safe use



## STRENGTHENING

extending the period of penetration of the active ingredients of the fertilizer into the soil

# Individual approach to the product

The choice of formula and the dose rate is determined on a case-by-case basis for a given type of fertiliser.

Due to the diverse composition of fertilisers linked to both the main components supplying plants with nitrogen, sulphur, phosphorus and calcium, magnesium, boron, and other elements, the production of anti-caking substances is "tailor-made".

For over a decade, we have been cooperating with both domestic and foreign producers of artificial fertilizers and research institutions. As a result of the cooperation, anti-caking and anti-dusting agents were developed, which have been successfully used in the fertilizer industry for years.

PRODUCT	MAIN APPLICATION	TECHNICAL SPECIFICATIONS
AGROWAX	Anti-caking agent for phosphate fertilizers	Current Safety Data Sheets and Information Sheets as well as Technical Conditions of individual products are available on our website <a href="http://polwax.pl">polwax.pl</a>
FLOW WAX 6AT		
GRANOMA		
GRANOMA PLUS		
GRANOMA SUPER PLUS		
GRANWAX	Anti-caking agent for ammonium sulphate based fertilizers	
SALWAX	Anticaking agent for ammonium nitrate based fertilizers	
RANWAX	Anti-dusting agent for fertilizers	

## Packaging, storage

BULK (LIQUID) IN HEATED STORAGE TANKS

BARRELS WITH A CAPACITY OF 200 L, APPROX. 160 KG OF PRODUCT

PALLET-CONTAINERS 1000 L APPROX. 800 KG OF PRODUCT

	AGROWAX	FLOW WAX 6AT	GRANOMA	GRANOMA PLUS	GRANOMA SUPER PLUS	GRANWAX	SALWAX	RANWAX
BULK (LIQUID) IN HEATED STORAGE TANKS	●	●	●	●	●	●	●	●
BARRELS WITH A CAPACITY OF 200 L, APPROX. 160 KG OF PRODUCT	●	●	●	●	●	●	●	
PALLET-CONTAINERS 1000 L APPROX. 800 KG OF PRODUCT								●



### **Product suitability guarantee**

The guarantee of suitability of individual products applies only to physical and chemical parameters and is counted from the date of sale. Detailed parameters are specified in the technical conditions available at [polwax.pl](http://polwax.pl)

### **Storage method**

The products should be stored in closed packages, protected against direct sunlight, moisture and mechanical impurities, away from heat sources. In addition, the technical conditions include information on the appropriate storage temperature, as well as the possible shelf life of individual products stored in accordance with the guidelines.

### **Conditions of delivery**

The products are manufactured in the Production Plant in Jasło (PL38200) and Czechowice-Dziedzice (PL43502). Possible collection by own transport on the basis of the FCA production plant. It is possible to organize transport by Polwax S.A. (based on CPT), after presenting a price offer including delivery costs to the customer's premises.

### **Orders and delivery schedules**

Orders for full truck loads should be sent at least 7 days before the planned shipment of the product. In the case of larger quantities for regular collections, it is advisable to send a monthly collection schedule by the 20th day of the month preceding the month of delivery.