

# NPK 7-14-21 + 6% SO<sub>3</sub>

## COMPOUND FERTILIZERS (BINARY, TERNARY AND TERNARY B.T.C.) OBTAINED BY PHYSICAL COMPACTION



The K-FERT COMPLESSI LINE includes a wide range of granular mineral fertilizers characterized by the presence of two (BINARY COMPLEXES) or three (TERNARY COMPLEXES) macroelements (nitrogen, phosphorus, potassium), most of which enriched with sulfur (as sulfuric anhydride, SO<sub>3</sub>), considered the fourth most important nutritive element due to its role in plant nutrition.

The granular formulation of these products is obtained through compaction, a dry granulation process borrowed from the pharmaceutical industry that uses mechanical compression to agglomerate the particles of the raw materials. This allows for granules to be obtained without adding solvents, which can have a negative impact on the final solubility of the product. The compacted granules rapidly dissolve in the ground allowing a fast nutrients' root uptake, making these fertilizers very efficacious. Low Chlorine Content (LCC/BTC) formulations are also available that couple all the advantages of the NPKs with the quality of Low-Chlorine Potassium (< 2%), which is the best quality of potassium.

NPK 7-14-21 + 6% SO<sub>3</sub> is a TERNARY NPK COMPLEX of the K-FERT COMPLESSI LINE, enriched with sulfur and characterized by a macroelements (NPK) ratio shifted towards potassium. This makes it suitable for treatments on all crops during the final phase of the production cycle, to improve consistency of tissues and promote the maturation process.

CROP	TIME OF APPLICATION	DOSE/HECTARE*
Cereal crops e Soybeans	Pre-transplanting/sowing fertilization, Post-transplanting/sowing fertilization	300-800 kg

COMPOSITION	
Total nitrogen (N)	7.00%
Ammoniacal nitrogen (N)	5.00%
Ureic nitrogen (N)	2.00%
Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) total	14.00%
Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in water	3.50%
Phosphoric anhydride (P <sub>2</sub> O <sub>5</sub> ) soluble in neutral ammonium citrate and in water	5.00%
Potassium oxide (K <sub>2</sub> O) total	21.00%
Potassium oxide (K <sub>2</sub> O) soluble in water	21.00%
Sulfuric anhydride (SO <sub>3</sub> ) soluble in water	6.00%

PHYSICO-CHEMICAL FEATURES		
<b>GRANULAR</b>		
METHOD OF USE		
	Cover fertilization	Pre-sowing fertilization

**PACKAGING: 25 KG - PALLET 1500 KG, BIG BAG 600 KG**