



YOUR  
RELIABLE  
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# SUPROFOS<sup>®</sup> 25

## compound granular EC FERTILIZER

**TYPE:** NPK (Ca, Mg, S) 5 : 10 : 25 (2.5 : 2 : 13)  
containing soft phosphate

### Ingredients, % (m/m):

- total nitrogen (N) in the form of ammonium and nitrate – 5.0%, including min. 4% of ammonia nitrogen
- phosphorus pentoxide (P<sub>2</sub>O<sub>5</sub>)
  - soluble in mineral acids – 10.0%
  - soluble in neutral ammonium citrate and water – 7.0%
  - soluble in water – 5.6%
- potassium oxide (K<sub>2</sub>O) soluble in water – 25.0%
- calcium oxide (CaO) soluble in water – min. 2.5%
- total magnesium oxide (MgO) – 2.0%
- total sulphur trioxide (SO<sub>3</sub>) – min. 13.0%
- sulphur trioxide (SO<sub>3</sub>) soluble in water – min. 11.0%

## APPLICATION AND PROPERTIES

**SUPROFOS 25** is intended for pre-sowing application under all winter and spring arable crops. The use of this fertilizer on pastures and meadows is particularly desirable because magnesium contained in it improves the quality of feed. Due to a high content of potassium in relation to phosphorus this fertilizer is ideal for root crops and soils with a low content of available potassium. The chemical composition of our fertilizer is balanced to meet all needs of arable crops in terms of supplied nutrients.

Compound fertilizer **SUPROFOS 25** is obtained from phosphate raw material, high-percentage potassium salt, magnesite and ammonium sulphate.

It is produced in a granular form, which ensures uniform sowing, prevents dusting and causes a slow and steady release of all nutrients. The applied technology ensures the presence of all the components in each fertilizer granule. **SUPROFOS 25** in its composition next to nitrogen, phosphorus, potassium and magnesium also has sulphur that is particularly useful due to the increasingly appearing deficiency of this nutrient in soils, as a factor limiting crop yield.

The presence of calcium that is an important macronutrient has a beneficial effect on a number

of soil properties determining high efficiency fertilization. This fertilizer also includes a set of micronutrients necessary for proper growth and development of plants.

## RULES OF USE

**SUPROFOS 25** is a typical pre-sowing fertilizer and after spreading, mix it with the soil to a depth of 10–15 cm. It is suitable for all soils regardless of their compactness. On pastures the fertilizer is applied in early spring. In the case of using fertilizer doses above 250 kg/ha, divide them into two parts using the second dose after the first meadow cutting or after the second grazing. Potassium is the main ingredient of this fertilizer and so dosing should be adjusted to the plant needs for potassium while taking into account the expected yield and the content of available potassium in the soil.

## FERTILIZER DOSAGE

Fertilized plant:	Yield (t/ha)	Phosphorus in the soil		
		very low and low	average	high and very high
Winter cereals	4.5	400	350	300
Winter oilseed rape	3.0	500	400	300
Spring cereals	4.0	400	350	300
Maize for seeds	7.0	500	400	300
Maize for fodder	50.0	500	400	300
Sugar beet (without manure)	40.0	900	750	600
Potato (without manure)	35.0	850	700	650
Grain legumes for seeds	3.0	400	350	300
Meadows (hay)	7.0	350	300	250
Grasslands (forage)	30.0	350	300	250

If the content of potassium in the soil is not known, dosing as for a moderately rich soil is recommended. If root crops (beetroots and potatoes) are grown on manure, then the above recommended doses of fertilizer should be reduced by 200-300 kg/ha.