



**PRODUCT INFO  
& DATASHEET**

## **POTMAG® 40/6/4/12.5 GRANULAR**

*Potassium Chloride containing Potassium, Magnesium, Sulphur  
and Sodium in an optimal ratio for all crops tolerant to Chloride\**  
- E.C. fertiliser -

revised 07/2019

<b>Calculated Values:</b>	40% K <sub>2</sub> O,	water soluble potassium oxide	(= 33.2% K)
	6% MgO,	water soluble magnesium oxide	(= 3.6% Mg)
	4% Na <sub>2</sub> O,	water soluble sodium oxide	(= 3% Na)
	12.5% SO <sub>3</sub> ,	water soluble sulphur trioxide	(= 5% S)

### **1/ CHEMICAL ANALYSIS**

	<b>typical values</b>
KCl	63.5 %
NaCl	9.5 %
MgSO <sub>4</sub>	17.0 %
MgCl <sub>2</sub> , K <sub>2</sub> SO <sub>4</sub> , CaSO <sub>4</sub> , etc.	5.5 %
other (predominantly water of crystallization)	4.5 %

### **2/ GRANULOMETRY**

> 5.0 mm	2%
2.0 - 5.0 mm	94%
< 2.0 mm	4 %
d <sub>50</sub>	3.4

### **3/ STORAGE**

Bulk density loose	ca. 1,100 kg/m <sup>3</sup>
Bulk density packed	ca. 1,150 kg/m <sup>3</sup>
Angle of repose	ca. 37°

- Keep in dry place and protect against moisture.
- For storage in bulk, bituminous coatings are recommended for floors and walls.
- Paint iron beams and supports with anti-corrosive coating.
- Wooden walls and roof trusses have proved to be particularly resistant.
- Cover the product with a plastic tarpaulin in order to protect it from high air humidity.

### **4/ APPLICATION**

- **POTMAG 40/6/4/12.5 GRANULAR** contains the essential nutrients potassium magnesium sulphur and sodium in an optimal ratio. All nutrients are water soluble and immediately available to the plant irrespective of the soil pH.
- **POTMAG 40/6/4/12.5 GRANULAR** is effective in all types of soils and suitable for all chloride tolerant crops.
- **POTMAG 40/6/4/12.5 GRANULAR** is neutral to the pH-value of the soil.
- Ideal for all crops tolerant to chloride which have special needs for accompanying nutrients (for example in oil crops, Mg and Na in sugar beet, etc.)
- Ideal potassium fertiliser to be applied during autumn on stubbles or pre-drilling. It ensures an even nutrient distribution on soils.
- Has excellent spreading properties due to ideal particle size distribution. It can be applied accurately and efficiently with all modern fertiliser spreaders.
- Within the crop rotation, should be applied to those crops with the highest nutrient demand (eg. sugar beet, oilseed rape, maize) or specific requirements for macro-nutrients (eg. sulphur requirement for oilseed rape, Mg and Na requirements for sugar beet).
- With a useful sulphur content of 12.5 % SO<sub>3</sub> (5% S), **POTMAG 40/6/4/12.5 GRANULAR** provides the basic sulphur supply for most crops.

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy itself of the suitability for its own particular purpose.  
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### **5/ OTHER INFORMATION\***

- 1) **Chloride loving crops** : sugar beet, fodder beet, celery, Swiss chard, coconut  
(Chloride based fertilisers are preferred.)
- 2) **Chloride tolerant crops** : cereals, maize, oilseed rape, asparagus, cabbage, beetroot, rhubarb Grassland, clover, oil palm, rubber, rice, groundnut, cassava, soybean, sugar cane, banana, cotton.  
(Chloride based fertilisers can be used but most vegetables prefer sulphate based fertilisers because of their sulphur demand - use SICO-SOLSOP / SICO-GRANUSOP / SICOFERT SOP based NPK's etc)
- 3) **Partly chloride tolerant crops** : sunflowers, grape vines, stone fruits, blackcurrants, seed potatoes, potatoes for human consumption, tomatoes, radish, kohlrabi, peas, spinach, carrots, leek, horse-radish, chicory, pineapple, cucumber, kiwifruit, coffee, tea.  
(Chloride based fertilisers can be used if they are applied on time before the start of vegetative growth.)

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