



**PRODUCT INFO
& DATASHEET**

SICOMAG BASED GRANULAR HIGH-TECH FERTILISERS (with special properties)

SICOMAG-DUO

35% MgO + 14% S in a single granule (2-4 mm)
- Origin: China -

1/ PRODUCT DESCRIPTION & TECHNOLOGY

Trade name : SICOMAG-DUO
HS Code : 382490
Release type : quickly and consecutively

Introduction: Traditional magnesium sulfate fertilisers in single nutrient releasing form suffer from easy loss of nutrients, low utilisation rate and low content.

Common magnesium oxide fertilisers suffer from low activity. The magnesium is not easily released and remains in the soil for a long term after fertilisation, and it is not easily converted into the magnesium that is absorbed and utilised by the plant. To solve the above problems, we developed SICOMAG-DUO using 3 core technologies.

2/ PRODUCT SPECIFICATIONS

* CHEMICAL ANALYSIS

Total magnesium oxide (MgO)	: 35 min.	%
Sulfur (S)	: 14 min.	%
pH	: 8.0 – 9.0	

* PHYSICAL PROPERTIES

Appearance	: greyish yellow granules
Size	: 2-4mm (pass by 90%)
Hardness	: 2.0 min kg
Bulk Density	: 1180 kg/m ³



3/ TECHNOLOGIES

* **SEMT Technology** : This technology provides variable nutrient release depending on the needs of specific plants and their environmental conditions. By scientifically combining quick-acting sulphates, chelated nutrients, intermediate-acting nutrients and slow-acting oxides, we are able to deliver multi-effect nutrients over time, in the form of a single granule fertiliser. **Meets the demand for magnesium throughout the whole growing period.**

* **GRAN-TECH** : Advanced (Japanese) granulation technique results into superior appearance and composition: well rounded granules of consistent size, having high strength with low specific gravity. These characteristics make SICOMAG products particularly well suited for mechanical fertilisation.

* **TCR Technology** : Farmers are confronted with the problems of changing soil conditions and varying plant needs throughout the growth period. TCR technology can adjust granular fertilisers to delay or accelerate their release of nutrients to optimize the availability of nutrients over the environmental and growth cycles, effectively improving fertiliser utilisation and reducing the total amount of fertiliser that is required. **Transforms magnesium into a better absorbed state and reduces magnesium loss.**

4/ RECOMMENDATIONS OF USE

- Can be used as straight fertiliser or as raw material in bulk blended fertilisers.
- Can be applied to various crops, such as oilseed rape, cotton, sugar beet, peanut, soybean, orange, apple, pear, banana, mango, tomato, cabbage, potato, corn, wheat, rice, sugarcane etc.

- Indicative use rates are to be used as a guide only:

Vegetables	: 225-300 kg/ha
Fruit	: 300-600 kg/ha
Other crops	: 100-150 kg/ha

5/ PACKING

In 50 kg net bags, about 24 MT/20ft container (loose bags).

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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