



**PRODUCT INFO  
& DATASHEET**

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

# SICOMAG-SKYHI

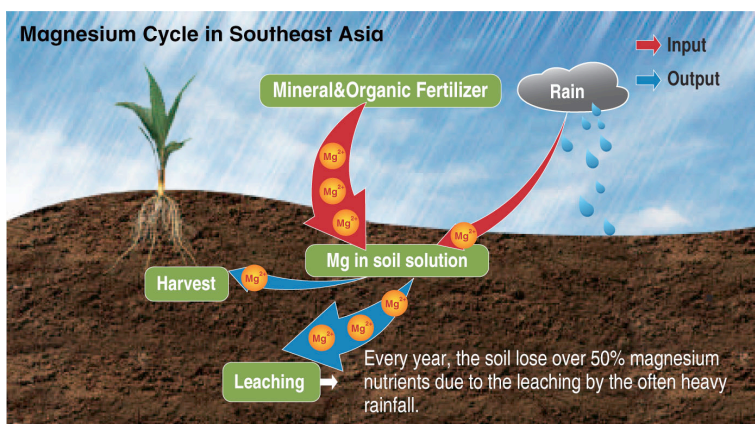
## SALES RATIONALE

- Origin: China -

### 1/ ANTI-LEACHING

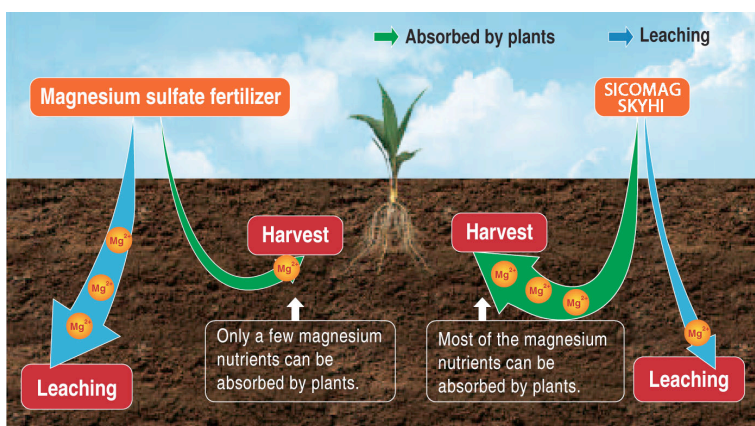
Why is Anti-leaching so important eg in Southeast Asian agriculture?

Every year, a lot of nutrients are lost due to leaching of soluble nutrients by the often heavy rainfalls in Southeast Asia.



Water soluble magnesium fertilisers cannot fully solve the problem of magnesium deficiency in Southeast Asia, because applying water soluble magnesium fertilizer in heavy rainfall areas can only momentarily improve the magnesium content in soil solution. After 2-4 weeks, the magnesium content in soil solution will quickly drop down to previous levels.

SICOMAG-SKYHI is a strong anti-leach product, under soil and climate conditions in Southeast Asia and can **sustainably supply magnesium nutrients for crops over 8-10 months !**



### 2/ DISINTEGRATION

SICOMAG-SKYHI can rapidly break down into very fine powder in the water. This means if you apply SICOMAG-SKYHI to the field, even 1-3 drops of rain can make it breakdown and mixed with soil.

### Disintegration test in water

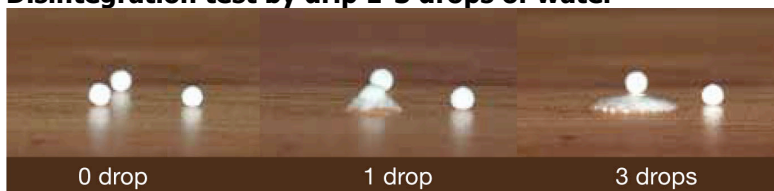
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**Disintegration test by drip 1-3 drops of water**

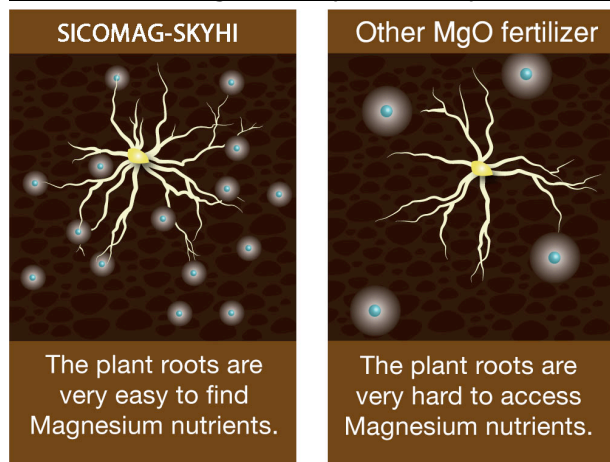


Why produce a Mg fertiliser with good disintegration ability?

Generally, a nutrient doesn't need to be soluble to be available for crop uptake. However, the uptake of an insoluble nutrient in the soil is dependent on its probable interception in the soil by the plant roots of the plant. SICOMAG-SKYHI can rapidly break down into very fine powder in the water, greatly improve the contact rate between roots and nutrients, as a result, the utilization rate of fertilizer will be effectively improved.

**3/ ROOTS CONTACT SIMULATION**

How does Disintegration improve the uptake of magnesium nutrients ?



**4/ SUMMARY OF BENEFITS**

SICOMAG-SKYHI can constantly provide adequate magnesium nutrition for plant, particularly suitable for regions that have grown (exclusively) magnesium-reliant crops for many years. The major characteristics are listed below:

- 100% natural raw materials.
- Anti-leaching: reduces nutrients leaching.
- Slow-release: constantly supplies magnesium nutrients to soil and plants.
- Good hardness: less dust, 2-4mm size, no caking.
- Easy to broadcast: easy uptake by crops.
- Ideal raw material for bulk blending fertiliser.

**5/ PACKING**

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

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