



PRODUCT INFO  
& DATASHEET

SOIL CONDITIONER

## **SICO-SHELLMIN**

*Sea shell mineral fertiliser & soil conditioner*

*Containing min. 30% active CaO + min. 15% active MgO + TE (pH 9.5 – 11.0)*

7/2014

### **1. PRODUCT SPECIFICATIONS & CHEMICAL % ANALYSIS**

Our SICO-SHELLMIN soil conditioner, is a new type of marine resource fertiliser, physically (not chemically !) produced from sea shell minerals, pure green. The product also contains many kinds of trace elements that crops require to grow including sulphur, zinc, copper, molybdenum, boron, manganese, iron, silicon and so on. Active calcium and active magnesium are the main components, reaching the ratio of 30% CaO and 15% MgO respectively, thus this product is also called "active calcium and magnesium fertilizer".

\* What does "active" mean to crops?

"active" means easy to be absorbed. This fertilizer is produced by calcining sea shells at a high temperature with a process of activating treatment, thus the elements contained are highly active and easy to be absorbed by crops.

**This is not a chemical fertilizer !**

### **2. COMPOSITION & INDICATIVE ANALYSIS**



1) Granules (light grey)



2) Powder (light grey)

This is a new type of natural fertilizer, made from sea shell ore, pure green and made by physical methods, so is chemical fertilizer. SICO-SHELLMIN can adjust the pH value of the soil. According to plantation tests, if using for one year, the pH value will increase 0.4-0.7. Furthermore reduces physiological diseases, promotes blossoming, improves crop quality and yield.

Specification as below:

Calcium (CaO)	≥ 30%
Magnesium (MgO)	≥ 15%
Moisture	max 5%
PH Value	9.5-11.0
As	≤ 50 mg/kg
Cd	≤ 10 mg/kg
Pb	≤ 150 mg/kg
Cr	≤ 500 mg/kg
Hg	≤ 5 mg/kg

### **3. BENEFITS & IMPORTANCE : How could SICO-SHELLMIN help you !**

\* **SICO-SHELLMIN adjusts soil acidity and enhance soil fertility.**

Due to the long-term usage of chemical fertilizers and agents, soils you are cultivating now are turning acid with pH value lower and lower. Too much acidity in the soil is leading to huge losses of beneficial elements. With a pH value of 9.5-11, this product could effectively neutralize acidity, thus activating the beneficial microorganisms in the soil and promoting the absorption of trace elements that crops require.

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. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

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**\* SICO-SHELLMIN improves anti-adversity and disease resistance ability by providing Ca, Mg and over 50 kinds of other beneficial nutrient elements.**

Ca and Mg are the most significant secondary elements that crops require to grow. Physiological diseases caused by lack of calcium and magnesium include apple bitter pit, cabbage tipburn, tomato bottom-end rot and so on. All the elements contained in this product are **fully active so that they could be best absorbed by crops.**

**\* SICO-SHELLMIN promotes growth and increases yields.**

Testing to different crops after using our SICO-SHELLMIN shows below results:

Category	Crop	Yield increased with:	Time earlier to market:
food crops	rice, wheat	18%-21%	
melon crops	muskmelon, watermelon	25%-31%	5-10 days
solanaceous vegetables	cucumber, tomato, eggplant	25%-28%	7-10days
leaf vegetables	spinach, lettuce, celery	40%-60%	
root vegetables	potato, carrot, garlic	24%-29%	8-10days
fruits	apple, banana	24%-27%	

**4. USE**

Product is used on vegetables, fruit trees, food crops and other cash crops as soil conditioners & Calcium & Magnesium universal fertiliser.

**5. PACKING**

25 or 50kg bags, 27 MT/20ft container (if without pallets)

SICO-SHELLMIN =  
GREEN AGRICULTURAL TECHNOLOGY CONTRIBUTING TO GREEN ECOLOGICAL ENVIRONMENTS.

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