



PRODUCT INFO  
& DATASHEET

SICOMICRO HIGH-TECH GRANULAR MICRONUTRIENTS (with special properties)

## SICOMICRO-TRIPOWER II

6.8% MgO + 11% CaO + 6% S + 3% Zn + 9% B<sub>2</sub>O<sub>3</sub>  
in a single granule (2-4 mm) - Origin: China

### 1/ PRODUCT DESCRIPTION & TECHNOLOGY

**Trade name** : SICOMICRO-TRIPOWER II  
**HS Code** : 382490  
**Release type** : quickly and consecutively

**Introduction:** This product was developed to solve problems where the pH value is too low in farmland over-fertilised with NPK for a long period, particularly paddy field, and where there is a magnesium, zinc and boron deficiency. Constantly and effectively supplies calcium, magnesium, boron and zinc elements, improves soil condition, and accelerates nutrient absorption and utilisation of crops.

### 2/ PRODUCT SPECIFICATIONS

#### \* CHEMICAL ANALYSIS

|   |            |
|---|------------|
| Magnesium Oxide (MgO) :                           | min. 6.8 % |
| Calcium Oxide (CaO) :                             | min. 11 %  |
| Sulphur (S) :                                     | min. 6 %   |
| Zinc (Zn) :                                       | min. 3 %   |
| Boron Trioxide (B <sub>2</sub> O <sub>3</sub> ) : | min. 9 %   |
| pH :  | 8.5 – 9.0  |

#### \* PHYSICAL PROPERTIES

|                               |                        |
|-------------------------------|------------------------|
| Form :                        | granules               |
| Size (pass by 90%) granular : | 2 – 4 mm               |
| Appearance :                  | grey                   |
| Hardness :                    | 2.0 min kg             |
| Bulk density :                | 1050 kg/m <sup>3</sup> |



### 3/ USAGE RECOMMENDATIONS (as guide only)

- 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, peanut, soybean, orange, apple, pear, banana, mango, tomato, cabbage, potato, corn,, wheat, rice, sugar beet, sugarcane etc.
- Indicative usage rates (to be used as a guide only):  
Vegetables : 120-150 kg/ha – Fruit : 120-225 kg/ha - Other crops : 100-125 kg/ha

### 4/ TECHNOLOGIES

\* **SEMI CHELATE process:** The Simi-chelate process begins with a natural small-molecule chelate carrier. The carrier is treated with a biological process, that enables appropriate chelation of the nutrient element by the chelate carrier, and prevents soil fixation and nutrient loss. The simi-chelate carrier component is then small, allowing it to pass freely through the cytoderm of plants, realizing superior nutrient transmission.

Traditional chelate products are fully chelated, requiring more energy to release nutrition after entering into the plant. SEMI-CHELATE easily chelates, while requiring less energy to release nutrition, so it is more efficient and economical.

\* **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 SICOMICRO 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 fertiliser to delay or accelerate its 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.

**4/ PACKING :** In 50 kg net wpp+pe Sico bags (loose bags), about 24 MT/20ft container. Other packings: on request.