



PRODUCT INFO  
& DATASHEET

SICOMICRO HIGH-TECH GRANULAR MICRONUTRIENTS (with special properties)

## SICOMICRO-PALM

5% Zn + 5% Cu + 5% B<sub>2</sub>O<sub>3</sub> in a single granule (2-4 mm)

- Origin: China -

### 1/ PRODUCT DESCRIPTION & TECHNOLOGY

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

**Introduction:** SICOMICRO-PALM is a granular micronutrients fertiliser specially developed to meet the needs of the long growth cycle and the heavy and frequent fertiliser demand of oil palm trees in tropical countries. Three core technologies are employed in this product, and it effectively solves the problems of micronutrients deficiencies for oil palm.

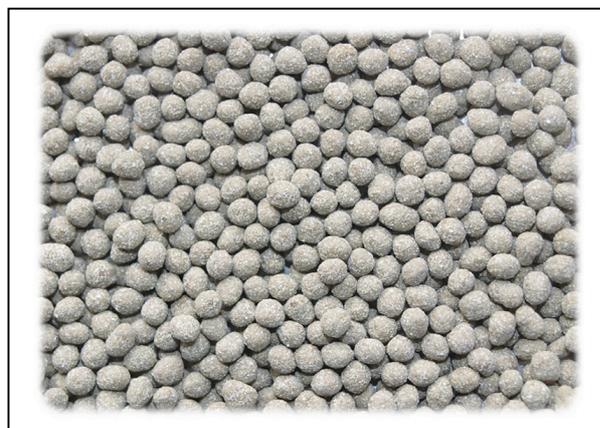
### 2/ PRODUCT SPECIFICATIONS

#### \* CHEMICAL ANALYSIS

Zinc (Zn) : min. 5 %  
Copper (Cu) : min. 5 %  
Boron trioxide (B<sub>2</sub>O<sub>3</sub>) : min. 5 %  
pH : 5.5 – 6.0

#### \* PHYSICAL PROPERTIES

**Form** : granules  
**Size (pass by 90%) granular** : 2 – 4 mm  
**Appearance** : brown  
**Hardness** : 2.0 min kg  
**Bulk density** : 1100 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, but especially for oil palm trees.
- Indicative usage rates (to be used as a guide only): Oil palm trees : 350-550 kg/ha

### 4/ TECHNOLOGIES

\* **SEMI CHELATE process:** The Semi-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 semi-chelate carrier component is small, allowing it to pass freely through the cytoderm of plants, realising 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 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.

### 4/ PACKING

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