



PRODUCT INFO
& DATASHEET

SICOMICRO HIGH-TECH GRANULAR MICRONUTRIENTS (with special properties)

SICOMICRO-TRIPOWER I

8% Zn + 0.5% Cu + 4% Mn + 2% S
in a single granule (2-4 mm) - Origin: China

1/ PRODUCT DESCRIPTION & TECHNOLOGY

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

Introduction: Traditional manganese sulphate, copper sulphate and zinc sulphate fertilisers are applied in single nutrient form, easily lost and have low absorption and utilisation rate. Chelate manganese, copper and zinc fertilisers have higher prices and can be easily fixed in the soil. SICOMICRO semi-chelated manganese, copper and zinc granulated fertiliser was specially developed for solving traditional problems, using three core technologies.

2/ PRODUCT SPECIFICATIONS

* CHEMICAL ANALYSIS

Zinc (Zn)	:	min. 8 %
Copper (Cu)	:	min. 0.5 %
Manganese (Mn)	:	min. 4.0 %
Sulphur (S)	:	min. 2.0 %
pH	:	6.5 – 7.0

* PHYSICAL PROPERTIES

Form	:	granules
Size (pass by 90%) granular	:	2 – 4 mm
Appearance	:	grey
Hardness	:	2.0 min kg
Bulk density	:	1150 kg/m ³



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 fruit 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 : 75-150 kg/ha – Fruit : 100-225 kg/ha - Other crops : 75-120 kg/ha

Constantly and effectively supplies zinc, manganese and copper elements to accelerate nutrition absorption, improves seed germination, prevents plant diseases.

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.

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.

SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be

SICO FERTILISERS
EVERY TIME THE RIGHT SOLUTION