



**PRODUCT INFO  
& DATASHEET**

SICO SULPHUR FORMULATIONS

**NEW!**

## SICO-ECOSULF 90 GRANULAR

*Ecological Granulated Mineral Fertiliser, produced exclusively from sulphur obtained by underground smelting*

*Composed of 90% total sulphur (S) and 10% refined high-purity sodium bentonite. PFC 1 (C)(I)(a)(i)  
Simple solid inorganic micronutrient fertiliser (not classified as dangerous during transport)*

*Made in E.U./Poland*

01/2024

### 1) INTRODUCTION

We are pleased to introduce our new SICO-ECOSULF 90 GRANULAR. This product is produced from a new mine in East Poland exclusively obtained from underground smelting (at abt 150° at depth of about 300m), then after some months this mix is pumped up, filtered and mixed with 10% bentonite + then granulated and sold either as pure Sulphur 99.95% S or as Sulphur fertiliser SICO-ECOSULF 90 Granules (by mixing with 10% bentonite), all without chemical processes. This product has been entered into FIBL lists. **SICO-ECOSULF 90 Granular is size 2 to 6 mm.** We can also offer pure Sulphur granulate 99.70%.

### 2) CHEMICAL ANALYSIS & DECLARED QUALITY PARAMETERS

Physical properties		Unit	Description/Value
Form		-	Granules
Colour		-	Grey with shades of green and yellow
Granulation	Fraction 2-6 mm, not less than	%	90
	Fraction less than 2 mm and bigger than 6 mm, no more than		10
Chemical properties		Unit	Value
Sulfur content		%	90 ± 2
Bentonite content			10 ± 2

### 3) RECOMMENDATIONS FOR USE

#### \* FERTILISER USE

The SICO-ECOSULF 90 fertiliser is used to fertilise sulfurophilic plants, and plants on soils with a significant sulphur deficiency. Particularly suitable for fertilising crops such as: rape, brassicas, mustard, onions, garlic peas, legumes, sugar and beetroot, maize. Cereals: wheat, rye, triticale, barley and maize. The use of SICO-ECOSULF 90 fertiliser is particularly important on soils prone to sulphur leaching. Sulphur supplied with SICO-ECOSULF 90 fertiliser is an essential macronutrient that is involved in the most important life processes of the plant, thus determining the size and quality of the crop. This nutrient should not be overlooked in fertilisation and should already be supplied in early spring fertilisation. Under conditions of intensive nitrogen fertilisation, plants yield better with additional sulphur fertilisation. The correct yield-forming effect of nitrogen relies on a good supply of sulphur to the plants.

#### \* FERTILISER DOSES

Depending on the crop grown, the class of soil and its abundance of bioavailable sulphur, the fertiliser is applied at doses of 10 to 50 kg S/ha, which, in terms of fertiliser weight, corresponds to 11.1 to 55.5 kg of fertiliser per hectare. The fertiliser can be used alone or mixed with other granular fertilisers. For most plants, the sulphur to nitrogen requirement should be 10:1, for sulfurophilic plants the N: S ratio should average 6:1.

#### \* RECOMMENDED FERTILISER DOSES

Plant	Dose (kg/ha)
Winter rapeseed	20-50
Radish	35-40
Brassicas	15-45
Onions	15-25
Wheat	15-25
Maize	15-25
Sugar beets	30-40
Carrots	10-15
Barley	10-20
Peas	15-20
Red beetroot	10-35
Tomatoes	10-35
Luzerne	15-30
Beans	10-25
Potatoes	15-25

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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#### \* METHOD AND TIMING OF FERTILISER APPLICATION

Application of fertiliser under winter crops on arable land should be carried out under seed ploughing. It is also recommended to apply this fertiliser in spring, post-harvest to winter crops, especially winter oilseed rape and winter cereals. For spring sowing or planting crops, the fertiliser should be applied under winter ploughing and, in the case of particularly sulphur-poor soils, also under spring ploughing. Highly recommended also for early spring adaptation under all crops: maize, industrial and root crops, spring cereals and in vegetable crops and orchards. SICO-ECOSULF 90 is essential for fertilising cruciferous crops, brassicas, legumes, potato, garlic, leek onions and horseradish. Fertilise perennial crops in spring. In leguminous crops, fertilisation with Sulphur should be in accordance with the general fertilisation rules for such areas. Fertiliser should be applied in spring before or at the beginning of the growing season. Fertiliser should be applied evenly across the field. Application rates should not be higher than recommended. SICO-ECOSULF 90 is highly effective especially on organic soils (leached of bioavailable sulphur at this time of year, especially on grassland. When applying SICO-ECOSULF 90 pre-sowing, it is best to mix it shallowly into the soil to a depth of 10 cm and preferably applied before expected rainfall.

#### **4) PRECAUTIONS**

Use protective clothing, i.e. coveralls and gloves, when spreading fertiliser.  
When spreading, use masks and protective goggles to protect the respiratory tract and eyes.  
Wear protective clothing, i.e. coveralls and gloves, when spreading fertiliser.  
When spreading, use masks and goggles for respiratory and eye protection.



- Keep out of reach of children.
- Avoid contact with skin, eyes or clothing.
- Prevent livestock access to treated areas for 14 days.
- Contents may be harmful to marine life.
- Do not contaminate water with empty bags.
- Empty bags completely.
- Do not store near heat or naked flame.

#### **5) CONDITIONS OF SUPPLY**

The seller expressly warrants that this material conforms to the chemical description on the label. Environmental conditions that occur during storage, handling and the use of this product may affect the performance of the goods; all conditions and warranties, statutory or otherwise as to the quality or fitness for any purpose of our goods are excluded and no responsibility will be accepted by us or by our distributors for any failure in performance of this product. By accepting and using this material the buyer is deemed to have understood and accepted these conditions.

#### **6) PACKING**

- 1100 kg big bags on pallets, 22 MT/20ft fcl. Big bags of 1000 kg or 500 kg on request.  
- 25 kg bags on pallets of 1300 kg, 1300 kg x 20 pallets = 26 MT/20ft fcl.

The bags are provided with the required labelling and notes on use. In the case of flexible containers the information is included in the leaflet placed in the container pocket.

#### **7) STORAGE AND SHELF LIFE**

Store packaged fertiliser in clean and dry storage rooms. Protect the packages against moisture, heat and mechanical damage. Partially used or damaged bags should be closed well.

Maximum number of packages (bags) placed flat should follow the recommendations shown in graphical form on the label.

Bags cannot be stored in more than 10 layers and have to be placed flat.

Shelf life: 24 months from date of manufacturing.

#### **8) TRANSPORT**

The product is not classified as dangerous during transport by sea, air or land on the basis of special regulation No. 242, therefore it is not the subject to ADR, RID and IMDG regulations.

#### **9) IMPORTANT**

H315 - Irritating to skin

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P302 + P352 - In case of contact with skin: Wash with plenty of soap and water.

P332 + P313 - In case of skin irritation: Seek medical advice/treatment

Further information: +48 16 736 20 80



**PRODUCT INFO  
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**PCONTENTS:**

Sulphur - Index No.: 016-094-00-1

CAS 7704-34-9

Bentonite - Index No.: none

CAS 1302-78-9

UFI: 9300-F0KC-1001-G1KF

Bulk density: 0.80 - 0.85 Kg/dm<sup>3</sup>

Granulation: 2 - 6 mm min. 90%

**Shelf life:** 24 months from date of manufacture.

**Lot No.:**

**Date of manufacture:**

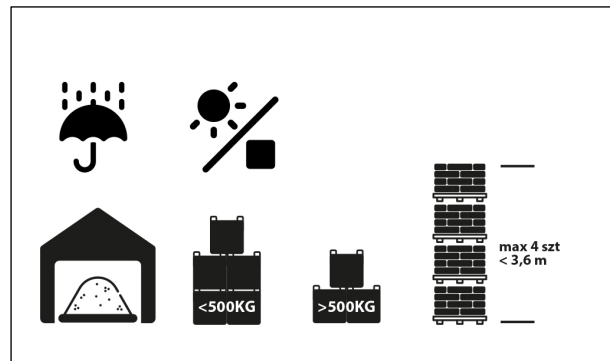
**Net weight:**

**REMARK**

We can also offer our fluid sulphur foliar mineral suspension fertiliser **SICO-ECOSULF MICRO 800 SC**, based on natural sulphur (S), total sulphur (S) content min. 55%, in 1 ltr bottles.

**Additional information**

Additional information and ways of handling the product are included in the safety data sheet.



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