

**MAELEZO:** SYMBION S ni mbolea ya kiasili inayo msingi wa kuchagua na kuyeyusha madini ya salfa kwa kutumia kijumbe, *Thiobacillus thio-oxidants*. SYMBION S inafaa mimea kama vile nafaka, matunda, mboga, mazao ya kilimo cha bustani, mafuta ya mbegu na kadhalika.

**JINSI INAVYOFANYA KAZI:** SYMBION S ina vijumbe aina ya *Thiobacillus thio-oxidants* wanaobadilisha madini ya salfa kuwa chumvi ya salfa ambayo ni rahisi kutumiwa na mmea. Katika njia hii asidi ya salfa hutoka ambayo ni muhimu kupunguza kiwango cha alkali katika udongo.

| Mimea                                                                                                               | Kipimo                                                   |
|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| <b>Nafaka:</b> Ngano, mahindi, mtama                                                                                | Lita 3 /Hekta kwa Kilo 1000 za mbolea ya udongo          |
| <b>Jamii ya kunde:</b> Choroko, Mbaazi, Maharagwe, Dengu, Kunde                                                     |                                                          |
| <b>Mboga :</b> Nyanya, Viazi, Saladi, French beans, Kabeji, Karoti, Brokoli, Figili.                                |                                                          |
| <b>Matunda:</b> Zabibu, Apple, Machungwa, Ndizi, Mananasi, Pear, Parachichi, Kiwi, Karakara, Pichi, Plamu, Passion. |                                                          |
| <b>Mbegu za mafuta:</b> Maharagwe ya soya, Ufuta, Alizeti, Karanga, Haradali, Mbegu za kitani.                      | Lita 3 /Hekta kwa Lita 500 za maji kisha rowesha udongo. |
| <b>Mshamba makubwa:</b> Kahawa, Majani chai, Miwa, Pamba, katani.                                                   |                                                          |
| <b>Maua:</b> Waridi, Carnations, Lillies.                                                                           |                                                          |

- FAIDA:**
- SYMBION S huyeyusha madini ya salfa iliyo udongoni kwa matumizi ya mmea.
  - Husaidia kusawisha kiwango cha chumvi kilicho kwa udongo.
  - Safi kwa mazingira.

**MADHARA KWA MAZINGIRA:** Haidhuru mazingira.

**TIBA YA SUMU:** Haina tiba maalum.

**ARIFA KWA DAKTARI:** Tibu kulingana na dalili za kusumika.

**MATUMIZI:**

- Tingisha vizuri kabla ya kutumia.
- Chupa itumike maratu inapofunguliwa.

**HUDUMA YA KWANZA:** Ikiingia kwenye macho, yafafishe kwa maji yanayotiririka kwa muda wa dakika kumi na tano huku ukiyawacha wazi, pata ushauri wa daktari.

**UTUPAJI WA VIFAA VYA DAWA:** Taka inayotokana na bidhaa hii itupwe mahali salama ambapo pameruhusiwa kisheria.





# SYMBION® S

*Thiobacillus thio-oxidants Bio-fertilizer*

Sulphur solubilizing microbe.

The beneficial microbe is suspended in liquid carrier at 1x10<sup>9</sup> bacterial cells per ml

DISTRIBUTED BY  
**OSHO CHEMICAL INDUSTRIES LTD.**  
P.O. Box 49916 00100 Nbi, Kenya  
Tel:- 3912000  
Mobile: 0726 880480 / 0733 880480  
0733 524968 / 0711 045 000  
Email: oshochem@oshochem.com  
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Manufactured by:  
**T. STANES & COMPANY LTD.**  
8/23-24, Racecourse Road,  
Coimbatore - 641018 INDIA

MEMBER OF  
AGROCHEMICAL  
ASSOCIATION  
OF KENYA  
AAK REG. NO. 275



**NET CONTENTS (KIASI): 1 Litre**

READ THE LABEL BEFORE USING  
(SOMA KIBANDIKO KABLA YA KUTUMIA)  
KEEP LOCKED AND OUT OF REACH OF CHILDREN  
(FUNGIA MBALI NA WATOTO)

**Shelf Life (Maisha Rafuni):** 2yrs in original unopened container stored in cool, dark and dry place.

**Batch No.**

**Mfg Date:**



**DESCRIPTION:** SYMBION S is a bio-fertilizer based on the selective strain of Sulphur solubilizing microbe, *Thiobacillus thio-oxidants*. SYMBION S is suitable for crops like cereals, fruits, vegetables, horticulture crops, fibre, oil seeds etc.

**MODE OF ACTION:** SYMBION S contains the sulfur solubilizing bacteria *Thiobacillus thio-oxidants* which act on the elemental S and convert it into its salt form (SO<sub>4</sub>) that the plant can assimilate easily through the process of biological oxidation. This oxidation can contribute to soil acidity by producing sulfuric acid through the reaction. This is very useful in bringing down the soil pH in alkaline soil conditions.

| Crops                                                                                                                                               | Application Rate                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Cereals:</b> Wheat, Maize, Corn, Sorghum, Millet                                                                                                 | 3L/ha to be mixed with 1000 Kg of organic/compost fertilizer and applied near the root zone |
| <b>Pulses:</b> Grams, Peas, Beans, Lentils, Cow pea Chick pea                                                                                       |                                                                                             |
| <b>Vegetables &amp; Cole crops:</b> Tomato, Potato, Lettuce, French beans, Cabbage, Carrot, Broccoli, Celery                                        |                                                                                             |
| <b>Orchards &amp; Fruits:</b> Grapes, Apple, Citrus, Banana, Pineapple, Pear, peaches, Avocado, Kiwi, Strawberry, Passion fruit, Plum, Pomegranate. |                                                                                             |
| <b>Oil seed:</b> Soybean, Sesame, Sunflower, Peanuts, Mustard, Linseed                                                                              | 3 L/Ha in 500 L of water and applied it as soil drench                                      |
| <b>Plantation crops:</b> Coffee, Tea, Cotton, Sugarcane, Sisal                                                                                      |                                                                                             |
| <b>Ornamental Crops:</b> Roses, Carnation, Lilly                                                                                                    |                                                                                             |

- BENEFITS:**
- SYMBION S solubilizes the sulfur in the soil and makes it available to the plants.
  - Helps to neutralize the alkaline of soil pH.
  - Helps to improve the texture of the soil.
  - Environment friendly, improves the organic content and microbial population of soil.

**TOXICOLOGICAL INFORMATION:** It is non hazardous.

**Antidote:** No known antidote, treat symptomatically.

**HANDLING INFORMATION:**

- Shake well before use.
- Bottle once opened should be used immediately.

**FIRST AID MEASURE:** Incase of contact with eyes flush with plenty of water. If the symptoms persist, contact physician and get medical attention immediately.

**DISPOSAL:** Waste resulting from use of this product may be disposed at an approved waste disposal facility.

OSHO SYMBION S