

MAELEZO: SYMBION P ni mbolea ya kiasili inayo msingi wa kuchagua na kuyeyusha madini ya fosforasi kwa kutumia kijiumbe, *Bacillus megaterium var. phosphaticum*. **JINSI INAVYOFANYA KAZI:** Vijiumbe *Bacillus megaterium var. phosphaticum* waliomo katika SYMBION P wafikapo udongoni, huzaana na kuongeza idadi kwa kutumia kaboni iliyo kwenye udongo au mizizi ya mimea. Katika ukwaji, Vijiumbe hawa huyeyusha fosforasi iliyokwama udongoni na kuifanya ipatikane rahisi kwa matumizi ya mmea. **JINSI YA KUTUMIA:**

Mimea	Kipimo
Nafaka: Ngano, mahindi, mtama, wimbi	Mbegu: Mililita 5-10 kwa kilo moja ya mbegu, anika kwenye kivuli kavu kwa muda wa nusu saa kabla ya kupanda.
Jamii ya kunde: Choroko, Mbaazi, Maharagwe, Dengu, Kunde	Micha: Mililita 50-100 kwa lita 10-20 za maji, zamisha micha kwa dakika 30 kabla ya kupandikiza.
Mboga : Nyanya, Viazi, French beans, Kabeji, Karoti, Bkoli, Figili	Vipandikizi: Mililita 50-100 kwa lita 25-30 za maji, zamisha vipandikizi za hekta moja kwa dakika 30 kabla ya kupandikiza.
Matunda: Zabibu, Apple, Machungwa, Ndizi, Mananasi, Pear peaches, Parachichi, Stroberi Kiwi, Karakara	Udongo: Changanya lita 3 na kilo 1000 za mbolea ya kikaboni au udongo, tia karibu na ukanda wa mizizi.
Mshamba makubwa: Kahawa, Majani chai, Miwa, Pamba, katani	Lita 3/Hekta kwa lita 500 za maji kisha rowesha udongo.
Mbegu za mafuta: Ufuta, Alizeti, Karanga, maharagwe ya soya.	Mti: Kwa kila mti tumia mililita 2 kwa lita 1 ya maji. Rudia baada ya mwezi 6.
Maua*: Waridi, maua yaliokatwa	

- FAIDA:**
- Sabaza fosforasi kwa mimea kwa kimo cha Kilo 10-15/hekta.
 - Okoa asilimia hamsini juu ya gharama ya mbolea za kemikali (fosforasi).
 - Inazuia momonyoko wa udongo hivyo kuboresha rutuba ya udongo.
 - Safi kwa mazingira.
 - Inaboresha viungo asili vya udongo.

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.
- Usichanganye SYMBION P na mbolea za kemikali.

HUDUMA YA KWANZA: Ikiingia kwenye macho, yasafishe kwa maji yanayotirika kwa muda usiopungua 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® P

Bacillus megaterium var. phosphaticum. Bio-fertilizer

Phosphate solubilising
1x10⁹ 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 524068 / 0711 045 000
Email: oshochem@oshochem.com
Web: www.oshochem.com

Manufactured by:
T. STANES & COMPANY LTD.
16/23-24, Pabecourt 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)



Bath No.

Mfg Date:

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

DESCRIPTION: SYMBION P is a bio-fertilizer based on the selective strain of phosphate solubilizing microbe, *Bacillus megaterium var. phosphaticum*. This microbe is capable of solubilising chemically fixed insoluble phosphates and make them biologically available to plants.

MODE OF ACTION: The dormant form of *Bacillus megaterium var. phosphaticum* cells contained in SYMBION P on reaching the soil get activated and produce fresh batch of active cells. These cells grow and multiply by utilizing the carbon source in the soil or from root exudates. During their growth, they solubilise the fixed phosphorus in the soil and make it available to the plant in an easily usable form.

Crops	Application Rate
Cereals: Wheat, maize, corn, sorghum, millet	Seed Treatment: 5 - 10 ml in a kg of seeds, shade dry for half an hour before sowing.
Pulses: Grams, Peas, Beans, Lentils, Cow pea, Chick pea	Seedling dipping: 50-100ml in 10-20L of water, dip the seedlings for 30 minutes before transplanting.
Vegetables & Cole crops: Tomato, Potato, Lettuce, French beans, Cabbage, Carrot, Broccoli, Celery	Sett dipping: 50 - 100ml in 25-30 L of water, dip the setts required for 1 hectare for 30 minutes before transplanting.
Orchards & Fruits: Grapes, Apple, Citrus, Banana, Pineapple, Pear peaches, Avocado, Kiwi Strawberry, Passion fruit, Plum	Soil Application: 3L/Kg/ha to be mixed with 1000 Kg of organic/compost fertilizer and applied near the root zone
Plantation crops: Coffee, Tea, Cotton, Sugarcane, Sisal	3 L/Ha in 500 L of water and apply it as soil drench.
Oil seed: Sesame, Sunflower, Peanuts, Soyabean	Tree Treatment: For treatment of individual trees or vines apply at 2ml in 1L of water. Repeat after 6 months per tree.
Ornamental Crops*: Roses, Carnation, Lilly, Cut flowers	

BENEFITS:

- Supplies phosphorus to plants to the extent of 10-15kg/ha.
- Saves up to 50% of the cost spent towards phosphorus fertilizers.
- Avoids soil erosion and thus help in the improvement of soil texture and fertility.
- Environment friendly.
- Improves the organic content & microbial population of soil.

TOXICOLOGICAL INFORMATION: It is non hazardous and does not leave any harmful residues. **Antidote:** No known antidote, treat symptomatically.

HANDLING INFORMATION:

- Shake well before use.
- Once opened contents should be used immediately.
- SYMBION P should not be mixed with antibacterial agents or chemical fertilizers.

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 P