

# MICROP

## NATURE'S BIO-FERTILITY PROGRAM

This product contains a dried mixture of nitrogen fixing cyanobacteria intended to be applied to the soil or to flooded rice fields and grown as a green manure crop.



### INGREDIENTS:

Cyanobacteria.....	5%
(No less than 100,000 CFUs per gram)	
Kaolin clay.....	95%

### WARNING:

Not for human or animal consumption.  
Keep out of reach of children.  
Avoid inhalation.



## GENERAL INSTRUCTIONS:

**NOTE:** Container must be stored in a cool, shaded and protected location until application.

1. MICROP is composed of a dry suspension of dormant living microscopic cyanobacteria. They must be applied to the field before the expiration date stamped on the label. The expiration date is two years from the date of packing.
2. MICROP is to be applied at the rate of: 1.0 up to 1.4 ounces per acre or 70 up to 100 grams per hectare. Open container and mix the dried material thoroughly with water in the tank of the sprayer. An amount of water which will provide uniform ground coverage should be used in the suspension. Chlorinated water must not be used for suspending the dried material. If only chlorinated water is available, it must be dechlorinated prior to use. Only water should be mixed with MICROP prior to application unless otherwise specified by manufacturer. (Contact Seller for information on compatibility with other materials.)
3. Suspended cells must be applied to the surface of the soil and not incorporated by tillage sooner than four (4) weeks after application.
4. During application, contents of tank must be continuously agitated or recirculated to avoid settling.
5. Application of suspended cells must precede by four (4) weeks or follow by one (1) week any application of non-compatible herbicides, insecticides, or fungicides. (Contact Soil Tech for information on compatibility.)
6. Suspended cells can be applied through aerial or ground or manual liquid product spray equipment. The equipment must be freed of pesticide residue prior to use with this product. Consult your local pesticide supplier for the accepted formula and practices to free your equipment of residue.
7. MICROP can be applied through circle, wheel-line, hand-line and flood irrigation systems.



### **SPECIAL NOTE REGARDING RICE FIELD APPLICATION:**

MICROP suspended cells should be seeded into the flooded rice following permanent flood of the rice field. The second application should be made about 30 days after the first, up to the 1/2 inch internode movement.



### **SPECIAL NOTE FOR SALTY SOILS:**

MICROP contains salt-tolerant cyanobacteria which colonize the soil surface by cell division. Once the colony reaches maturity in 4-6 weeks, a complex of organic acids is produced which are effective in freeing sodium in the soil.



These hardy microorganisms work by manufacturing organic compounds that infiltrate the soil profile. The residues are instrumental in liberating calcium carbonate complexes in the soil mineralogy. The mobile calcium will replace the sodium on the exchange sites.

### **TEMPERATURE:**

The cyanobacteria in MICROP propagate readily when outside daytime air temperatures are between 45-95°F (7-35°C). The cyanobacteria become inactive (they do not die) when the air temperature is below 45°F (7°C) or above 95°F (35°C).

### **MOISTURE REQUIREMENTS:**

The top 5 inches (12.7 cm) of soil must be above approximately 40% field capacity to support cyanobacteria cell division in the top one inch (2.5 cm) of soil. The cells revert to dormancy (they do not die) when the field moisture capacity is below 40%.

**SHELF LIFE:**

Product must be properly stored in a cool, dry location.  
Expiration date is 24 months from the date of packaging.

**WARRANTY:**

The Seller warrants that this product conforms to the specification stated on the label.

Due to the variability of conditions such as weather, equipment and compatibility with various chemicals, Seller makes no claims other than that set forth above.

The sole remedy of the Buyer and user and the limit of liability of Soil Technologies Corp. or any other seller for any and all losses or damages resulting or claimed to result from use of this product shall be replacement of an equal quantity of the product. The warranty provided above and the obligations and liability of Seller there under are exclusive and in lieu of, and Buyer hereby waives all other remedies, warranties, guarantees or liabilities, express or implied, arising by law or otherwise (including without limitation any obligation of the Seller with respect to fitness, merchantability and consequential damages); whether or not occasioned by Seller's negligence. This warranty shall not be extended, altered or varied except by a written instrument signed by Seller and Buyer.

Seller does not guarantee crops and will not be held responsible for crop failure.

**NOTICE:**

The Seller disclaims all liability for product users when product is used in a manner inconsistent with labeling.

**MICROP** expires 2 years from date of packing.



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