

# Biosilica

## Silica solubilizing Biofertilizer

Biosilica is a unique liquid based formulation prepared by specially developed in house technology. It is an innovative formulation contains various microbes useful for Silica solubilization / mobilization.

### Composition

Bacterial inoculum population density :  $2 \times 10^9$  min. C.F.U/ml

Microbial Media Residue : 95-97%

### Product Mode of Action

Plenty of Silica is already available in soil & we are also adding it in the form of various fertilizers year after year. Silica is immobile (fix) form, so plant cannot take full advantage of it. Microbes of Biosilica release enzymes and make Silica soluble (active/movable) so plant can take maximum Silica and we can reduce application doses of Silica fertilizer. Microbes present in Biosilica releases various enzymes Which make Silica available to plant.

### Product benefits:

- Save 100 % cost of Silica fertilizer application
- Improve the plant immune system
- Reduce soil erosion
- Improve plant vigor, plant health etc.
- Increase beneficial soil biomass
- Improve soil texture and soil fertility
- It help to increases the crop yield

### Direction for use:

### Seed Treatment:

Mix 10 ml of Biosilica per kg of seeds with a sufficient solution of 5 % jaggery. Dry the seed in shade for half an hour. Sow the seeds within 24 hours for maximum advantage.

**Seedling Root Dipping:**

Mix 1 lit of Biosilica in 100 liter of 5 % jaggery water. Dip the root portion of the seedling required for an acre in the mixture for 30 minutes before transplanting.

**Set Dipping:**

Mix 1 lit of Biosilica in 100 liter of 5 % jaggery water and dip the setts required for an acre in this mixture for half an hour (30 min) before transplanting.

**Soil application:**

Mix 1 lit of Biosilica with 100 kg of well compost FYM or any other biocompost and simply broad cast in the main field just before sowing or transplanting or apply in standing crop by row or furrow or broad casting method in sufficient moisture.

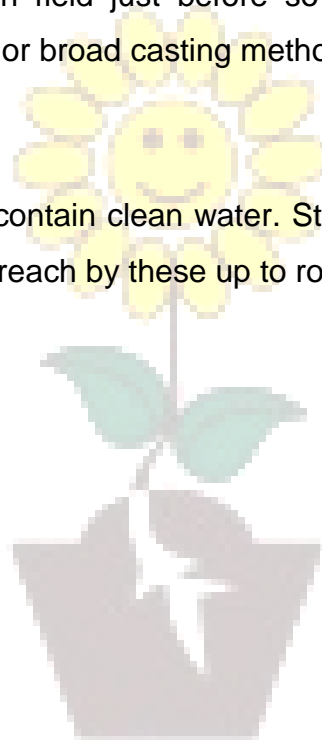
**Drip application:**

Add 1 lit Biosilica in drip tank contain clean water. Start the drip and liberate contain of drip tank in drip line .Microbes reach by these up to root zone of every plant.

**Packing available**

1 lit, 5 lit, 20 lit,

**Self life – 1 years**



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