

SOLUBLE SILICA

(Potassium Silicate - Powder/Liquid)



Chemical Formula: K_2O_3Si

Formula Weight: 154.28 g/mol

CAS Number: 1312-76-1

Potassium Silicate Powder (Potassium Salt of Silicic acid) is a source of highly soluble potassium and silicon ions.

Available in 100% Water Soluble Powder & Liquid form.

In Powder form it contains Potassium Oxide (K_2O) 31 - 34% & Silicon Dioxide (SiO_2) 65 - 68%. In Liquid Form concentration of Potassium Oxide (K_2O) is 12-15% and Silicon Dioxide (SiO_2) is 17-20%.

BENEFITS :

- Potassium Silicate Powder can be applied in any season or when plant requires the potassium ion.
- It controls fungal disease; it initiates less fungal colonization sites.
- It is ideal fit for Integrated Pest Management (IPM) because of its activity against fungi, spider mites and small piercing sucking insects.
- Control root knot and sting nematodes.
- It has been shown to be safe on beneficial arthropods and safe for plant.
- Protect the plants from Botrytis (grey mold) and Powdery Mildew (PM).
- It suppresses spider miles, white flies and insects.
- It decreases climate stress on crops and improve quality of crops.
- Provides resistance to mineral stress.
- It is an organic Fungicide, Insecticide and Miticide (insect control).
- It improves photosynthesis and raises brix in all plants for fruit repining which removes mineral deficiencies.
- Improves plant growth, increase the yield and quality.
- Reduce the lodging, decreased plant palatability.
- It enhances reproduction by improving pollination and increasing pollen fertility.
- Improves plant growth, lifting yield and quality.





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EFFICACY :

1% Potassium Silicate is more effective in potato, rice & sugarcane, every week during crop cycle and improve the impressive yield by 20-25%.

Silica controls the diseases in Rice, Soya bean, and Sorghum by reducing the brown spot presence & also by managing rust disease.

TARGET CROPS :

Rice, Soya Bean, Sorghum, Melons, Tomato, Strawberry, Blueberry, Sugar Cane, Grapes, Wheat, Barley, Cucurbits, Row Crops, Vine Crops, Ornamentals, Orchards, Vineyards, Hydroponically Grown Plants, Horticulture Crops.

RECOMMENDED DOSAGES :

For Powder : Apply Potassium Silicate Powder 300-400 gm in 300 Ltr. of water per acre.

For Liquid : Apply Potassium Silicate Liquid 800-1200 ml in 300 Ltr. of water per acre.



PEPTECH BIOSCIENCES LIMITED



(Titan Biotech Ltd. Group)

G-1, 636, RIICO Industrial Area, Chopanki, Bhiwadi-301019 (Raj.) | **CIN :** U33110RJ2011PLC037007

Tel : 011-71239900, 911 | **Mob. :** 9990181075 | **E-mail :** sales1@peptechbio.com | export@titanbiotechltd.com

