



JOSHI AGRO

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NPK - Water Soluble Fertilizers - Agro Chemicals – BIO PGR – EDTA - Micronutrients

POTASSIUM PHOSPHITE / POTASSIUM SALTS OF PHOSPHOROUS ACID / PHOSPHONIC ACID

It is widely used in modern agriculture as a strong system **fungicide**. Potassium Phosphite absorbed by plants and incorporated into cells as phosphite ions. These phosphite ions have direct fungi static effect on plant pathogens.

These phosphite ions are very effective in controlling diseases caused by group of fungi known as oomycetes including Phytophthora, Plasmopara, Pythium and other fungus related plant issues and diseases. When applied as foliar or soil drench can translocate in both phloem and xylem which allows it to control root born diseases. Potassium Phosphite is non phytotoxic and having very minimal pathogen resistance hence can be used in organic farming. **Potassium Phosphite can be used for both protective as well as curative treatment.**

Advantages / Benefits

- Highly effective on fungal infections like **Downy mildew** (*Plasmopara viticola*), **Powdery mildew** (*Podosphaeraxanthii*)
- Significant result on Phytophthora, Root rot diseases and Late Blight diseases
- Potent activity can be seen on Bacterial infections like Bacterial Blight (*Xanthomonas axonopodis*)
- Easily absorbed by the plant both through the roots and the leaves
- Activates defence mechanism of plant
- Absorbed and taken up across the membranes of plant foliage, roots in both their nutritive and plant protective Role Disrupts the phosphorus metabolism in the pathogen, inhibiting its growth and causing it to release stress Molecules Photoalexin is produced which attacks the disease directly; phosphite also helps maximize this by providing ideal nutrition Stimulates healthy growth during conditions which may be favorable to the development of some root rots and leaf mildew
- Complements the action and mobility of other nutrients such as manganese and iron
- Non persistent in the environment, as readily oxidized to phosphate by soil microbes, and also has very low Mammalian toxicity
- Potassium phosphite is non phytotoxic and having very minimal pathogen resistance
- Compatible with almost all pesticides and fungicides
- Can be used for both protective as well as curative treatment
- Do not remain as harmful residue in plant systemically and locally
- Encourages the production of polysaccharides which strengthen the cell walls, giving additional protection
- It is more environmentally safer and more target friendly than applying as a foliar spray
- Increases crop yield remarkably and **resistance against several diseases**
- Effective on all Crops, Grass, Fruits and Vegetables (Grapes, Wheat, Coffee, Black Pepper, Cotton , Oranges, Jute, sugarcane, Tea, Oil Seeds, Beans, Ginger, Onions, Papaya, Tomatoes, Potatoes, Lawns (Turf)Grass & many all)

CONTENT	RESULT
FORMULA	KH ₂ PO ₃
PH - PHOSPHORUS	60%
K ₂ O – POTASH	25%
APPEARANCE	WHITE POWDER
SOLUBILITY	100% SOLUBLE IN WATER

DOSE :FOR SPRAY - Preventive - 2 gm/lit with water || For Curative - 3 gm/lit with water || For Drenching – 5 Gram / Ltr

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