

MOVI'K

A PLANT HEALTH FORMULATION FOR MAKING THEM RESISTANT TO DISEASES AND DROUGHT

POTASH MOBILIZING BACTERIA

COMPOSITION

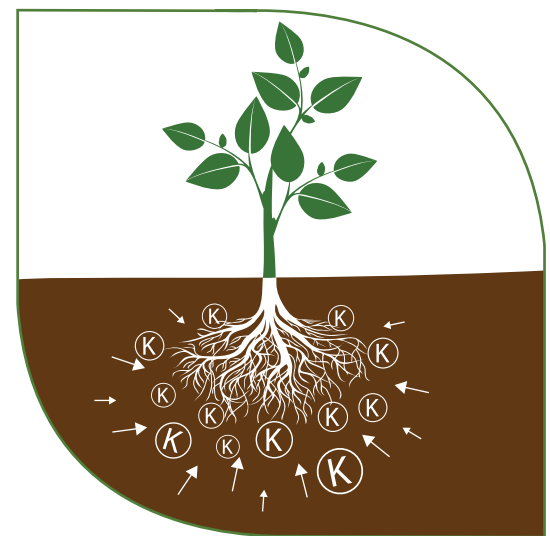
MOVI'K is a formulation containing Potassium Mobilizing Bacteria. It increases the availability of 'unavailable K' in the soil and thereby increases mineral uptake by the plant.



KEY BENEFITS

MOVI'K helps in mobilizing Potash in the soil and thereby;

- Increases disease resistance and drought tolerance
- Helps in photosynthesis process
- Translocates carbohydrates to the roots and fruits
- Helps accumulation of sugar in fruits and thereby increases crop yield
- Regulates the opening and closing of the stomata and helps in osmotic regulation
- Enhances development of fruit size and color
- Enhances shelf life of produce



SHELF LIFE
2 years from the date of manufacturing
PACKAGING
500 g, 1 kg

POTASH RICH YIELD - A KEY TO PROSPERITY

MODE OF ACTION

- Bacteria in MOVIK are capable of solubilizing the unavailable forms of 'K' in K-bearing minerals such as micas, illite and orthoclase through production and excretion of organic acids like citric, oxalic and tartaric acid
- Organic acids produced can facilitate the weathering of minerals by directly dissolving 'K' from rocks or through the formation of metal-organic complexes by forming chelate with silicon ions to bring the 'K' into solution
- Bacteria in MOVIK produce carboxylic acids and capsular polysaccharide which are associated with solubilization of feldspar
- The other possible hypotheses/mechanisms to mobilize soil 'K' reserve are due to bio films formation on the rhizospheric mineral surfaces. Bio films are known to regulate transport of heavy metals and possibly other cations and nutrients to the microbes, and isolate mineral weathering and nutrient uptake by bacteria from bulk soil processes. These results suggest that bio films help to accelerate weathering of minerals like biotite and anorthite, thereby increase plant's nutrient uptake

RECOMMENDED CROPS

Fruit - Grapes, Pomegranate, Banana, Citrus, Mango, Papaya, Strawberry

Vegetables - Tomato, Potato, Brinjal, Capsicum, Chilli, Onion, Cucumber, Gourds, Okra, Cabbage, Cauliflower, Melons

Cash Crops - Cotton, Sugarcane, Tobacco

Flowers - Roses, Gerbera, Carnation, Marigold, Chrysanthemum, Tuberose

Cereals - Maize, Rice, Wheat, Oats

Pulses - Peas, Soybean, Green Gram, Black Gram

Oilseeds - Groundnut, Sunflower

APPLICATION RATE

Seed Application: 5-10 g/kg of seeds

Soil Application: 1-2 kg/acre

DIRECTIONS FOR USE

SOIL APPLICATION

Broadcasting - Mix the recommended quantity of bio-products in 50 kg well decomposed FYM / Compost and broadcast in the field before last interculturing operations before sowing.

Drenching - Calculate the volume of water required for drenching to the number of plants in the desired area. Add the recommended dose of formulation in the water and drench it in root zone.

Fertigation - It is completely soluble in water giving advantage for easy and labor saving application through drip irrigation system. Mix recommended dose of formulation in ample amount of water and apply to the desired area.



SEED TREATMENT - Can be applied as water based slurry to cover seeds uniformly.

