

Shakti VAM

Introduction :

Shakti VAM is a biological fertilizer based on spores and fragments of mycorrhizal fungal filaments and infected root bits.. VAM is used as an effective soil inoculant. Shakti VAM contains Vascular arbusculat mycorrhiza which is formulated with vermiculite as carrier containing Glomus spes. . It has a count of 100 infective propagules / g. Shakti VAM is approved for use in Organic Agriculture.

Mode of Action :

Symbiosis : Shakti VAM containing mycorrhizae are present universally in soil, Mycorrhizae are obligate and saprophytic in nature which requires a living host for its survival. The mycorrhizae start associating symbiotically with root of the plants. This helps in the absorption of water , phosphorus solubilization and other essential macro and micro elements and makes them available to the plants in an assimilable form.

Resistance : Mycorrhiza is also believed to impart drought tolerance to plants and resistance to soil borne fungal pathogens through its symbiotic associative property.

Method of Application :

1. **Soil application :** Mix 3-5 Kg/ acre of Shakti VAM with compost and apply to an acre of soil. Apply at a depth of 2-3 cms .
2. **Seed / Nursery bed :** Mix 200 g / sq mt along with compost. Nursery stage : 2 g / seedling
3. **Planting :** 5 g / seedling at planting time , 50 g / medium sized tree , 200 g / large sized trees

Target Nutrition :

Macro and micro nutrient supplementation

Crops :

Shakti VAM is suitable for application on Cereals , Millets , Pulses, Oilseeds, Fibre Crops , Sugar Crops , Forage Crops , Plantation crops , Vegetables, Fruits, Spices , Flowers , Medicinal crops , Aromatic Crops , Orchards and Ornamentals.

Shelf Life:

Shakti VAM is stable for a period of 12 months from the date of manufacturing.