

Agri Life AgriVAM®
Vascular arbuscular mycorrhiza
BioFertilizer

APPROVED FOR USE IN ORGANIC AGRICULTURE

Introducing Agri Life AgriVAM®

Agri Life AgriVAM® is a biological fertilizer based on spores and fragments of mycorrhizal fungal filaments and infected root bits. Agri VAM® is used as an effective soil inoculant.

Agri Life AgriVAM® contains Vascular arbuscular mycorrhiza which is formulated with vermiculite as carrier containing *Glomus* species. It has a count of 100 infective propagules / g. Agri Life Agri VAM® is approved for use in Organic Agriculture.

A Historical Brief

Fungi associations and their symbiosis with plants was studied and described by Franciszek Kamieński in 1879–1882. A thorough research was carried out by Albert Bernhard Frank, who introduced the term mycorrhiza in 1885.

Mode of Action

Symbiosis : Agri Life AgriVAM® 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

Soil application: Mix 3-5 Kg/ acre of Agri Life AgriVAM® with compost and apply to an acre of soil. Apply at a depth of 2-3 cms .

Seed / Nursery bed : Mix 200 g / sq mt of Agri Life Agri VAM® along with compost.

Nursery stage : Apply 2 g / seedling of Agri Life AgriVAM®

Planting : Apply of Agri Life Agri VAM® @ 5 g / seedling at planting time , 50 g / medium sized tree , 200 g / large sized trees.

Target Nutrition

Macro and micro nutrient supplementation

Crops

Agri Life Agri 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.

Compatibility

Agri Life AgriVAM® is compatible with BioPesticides and other BioFertilizers.

Shelf Life

Agri Life Agri VAM® is stable for a period of 1 year from the date of manufacturing.

Mass Composition

CONSTITUENT	W/W %	FUNCTION
VAM	2.0%	Active
Carrier Powder – Vermiculite	q.s.	Inactive
BIOLOGICAL COMPOSITION		
CONSTITUENT	Infective propagules.	FORMULATION
VAM	2*10 ²	Powder

Free from Salmonella, Shigella , E.Coli

Cautions for handling and use of product

1. Mixing equipment is to be thoroughly rinsed with water and detergent before using the same equipment for formulating other fertilizers/ pesticides.
2. Surplus product may be disposed in crop lands
3. Do not eat / drink / smoke during application.

5. Direct incidence of Agri Life Agri VAM® may cause irritation and therefore it is recommended that the operator should use protective gear viz gloves, apron, mask, eye gear and hood.

Antidotes

In the case of ingestion: Symptomatic treatment

In the case of contact with Eyes: Flush with water liberally for 20 minutes.

Citations

There are many citations in public domain on effectiveness of VAM as a BioFertilizer

Commitment to Nature

- Agri Life Agri VAM® is approved for use in organic agriculture.
- Agri Life Agri VAM® is safe to use along with bio fertilizer inoculums like Agri Life Nitrofix™ (Nitrogen Fixing bacteria) ; P Sol B® (Phospho bacteria) ; K Sol B® (Potash mobilizing bacteria); Zn Sol B® (Zinc mobilizing bacteria) :S Sol B® (Sulphur solubilizing bacteria) : Si Sol B™ (Silica solubilizing bacteria) : Fe Sol B® (Iron / Ferrous solubilizing bacteria) : Mn Sol B™ (Manganese solubilizing microbe) and Agri Life Agrivam® (Vesicular-arbuscular mycorrhiza)
- Agri Life Agri VAM is safe to use along with botanical and microbial bio pesticides.
- Agri Life Agri VAM® can be used as an effective component in INM programmes, thereby leading to a reduction in use of chemical fertilizers and creating a safer environment.
- Agri Life Agri VAM® does not lead to residue problems and doesn't cause resistance or resurgence problems.

Benefits from Agri Life Agri VAM®

- Agri Life Agri VAM® effectively mobilizes unavailable potassium ions and make it assimilable by plants
- Natural macro and micro nutrient solubilization improves both plant and soil health and also aids in soil remediation.
- The increase in the beneficial microbe population in soil improves soil health.
- Agri Life Agri VAM® is earthworm friendly , pet friendly , eco friendly and infant friendly