

## What is Optimum AMF

Optimum AMF is a 100% organic and Microplastic free Arbuscular Mycorrhiza product.

Mycorrhizae play important roles in plant nutrition, soil biology, and soil chemistry. We selected strains for soil conditioning and for plant enhancement in which the performance the symbiosis enhances plant facilitation, particularly increasing the P (phosphorus) content of the plants.

The term mycorrhiza refers to the role of the fungus in the plant's rhizosphere, its root system. Mycorrhizae play important roles in plant nutrition, soil biology, and soil chemistry. The fungus colonizes the host plant's root tissues, either intracellularly as in arbuscular mycorrhizal fungi (AMF or AM), or extracellularly as in ectomycorrhizal fungi. The association is sometimes mutualistic. In particular species or in particular circumstances, mycorrhizae may have a parasitic association with host plants.

## Characteristics of Optimum AMF

- Mediator of defense against herbivorous insects
- Improves uptake of plant nutrition
- Enhancement of drought tolerance
- Reduce salinity stress
- Improved Resilience to extreme temperatures (heat and cold stress)
- Increases Tolerance to oxidative stress
- Biocontrol capacity
- Enhances biosynthesis of phytochemicals in edible plants
- Improves soil quality and soil texture
- Increases water retention capabilities

## Restrictions of use

- Do not use Optimum AMF in combination with any fungicide.
- Do not apply Optimum AMF in direct sunlight (UV light)
- Do not use on Brassica Oleracea and Daucus Carota

## Storability

- Keep away from direct sunlight (UV light)
- Keep dry and frost free (between 4 - 15 °C)
- Shelf life 24 months

## Instruction for Use

Crop	Treatment	App. rate	App. method	App. number
Crop independent	Seed treatment	Volume depending on crop	Filmcoating	1
Crop independent	Seed treatment (granulate)	10 kg per Ha	In furrow or pre-mixed with the seeds	1
Crop independent	Soil Treatment (powder form)	1 sachet per 2 Ha mixed in water or other solution <sup>1</sup>	For soil injection or during soil preparation	1

<sup>1</sup>Other solutions: EXCEPT solutions containing fungicides. Immediate application required.

Do not apply Optimum AMF in direct sunlight (UV light)