

BIOSYM-ENDO-DIP PRODUCTSHEET

BIOSYM-ENDO-DIP is broken expanded clay biologically activated by immobilized propagules of naturally occurring AM-fungi, vesicular - arbuscular mycorrhizal fungi (Endo-Mycorrhiza) mixed with a cationic water-swellable polymeric gel, which ensures that the product is suitable for dipping.

The fungi hyphens grow with tree-like branched hyphen endings in the bark cells. These hyphen endings are organs through which the symbiotic metabolism fungus - plant takes place. This secondary root system increases until seven times the plant root system. These fungi not only give improved growth of different crops, but also show the potential to increase resistance of the host to root pathogens and to reduce the severity of foliar disease.

This product was manufactured according Council Regulation (EC) No. 2092/91 for organic mode of production.

BIOSYM-ENDO-DIP is an organic product. 80 % of the plants live in symbiosis with the vesicular-arbuscular mycorrhiza (VA)-mycorrhiza, short ENDO-Mycorrhiza.

To be used in plants with bare roots and cuttings.

APPLICATION FIELDS

BIOSYM-ENDO use with: horticulture, viticulture, fruit growing, vegetable cultivation, floriculture.

DON'T use with: Abies (Fir), Acacia, Allocasuarina, Betula (Birch), Carpinus, Carya, Cedrus (Cedar), Fagus (Beech), Juniperus (Juniper), Larix, Nothofagus, Ostrya (Hop-Hornbeam), Picea, Pinus (Pine), Pseudotsuga (Douglas-fir), Pseudolarix, Quercus (Oak), for this use **BIOSYM-ECTO**.

DON'T use with: Andromeda, Arctostaphylos, Arctous, Calluna, Erica (Heather), Kalmia, Ledum, Loiseleuria, Oxycoccus (Cranberry), Pieris, Rhododendron, Rhodothamnus, Vaccinium (Blueberry), for this use **BIOSYM-ERICO**.

ADVANTAGES OF MYCORRHIZED PLANTS:

- improved growing of plants under unfavourable conditions
- improved providing of nutrients, reducing of fertilizer
- biological plant protection; improved plant resistance in case of attacks of parasites and against root and foliar diseases
- improved stress tolerance against abiotic and biotic stress factors (high dryness, extreme temperatures, unfavourable pH values)
- speeding up of nursering, shortening of the period before blooming of flowers
- better growth of plants after planting out, decrease of mortality
- raising of root taking rate of plants

DOSAGE

Mix 1 litre **BIOSYM-ENDO-DIP** with 1,5-2,5 litre of cold water and stir until the desired consistency is reached, depending on the application (dipping (2,5 litre) or cuttings (1,5 litre)) and let it swell until a wallpaper-glue-like mixture is formed. Dip the roots as a bundle or solitary in the mixture and plant out. Enough for 20-50 plants or 500-1000 cuttings.

RECOMMENDATIONS FOR USE

Mycorrhiza is a root stimulator and not a fertilizer. It contains live fungus spores.

This product is harmless to humans, animals and the environment.

Store in dry conditions at temperature below 30°C.

TAKE CARE: after mixing with water the product will be slippery

INFORMATION

Weight:	450 kg/m ³
Humidity:	Max. 15% v/v
Spore concentration (MPN):	140/cm ³ (140.000/liter)
Storage:	When stored in dry conditions at temperature below 30°C, you can store it about 3 years.
Soil:	PH value 4-5 optimal, till 7 allowable, above 7 the development is slower.
Phosphate:	Absorbable phosphate in the soil below 4 mg/kg, above 4 mg the development is slower.

MYCORRHIZA SPORES

The common VA-mycorrhizal fungus spores are:

Glomus intradadices, Glomus etunicatum, Glomus mosseae, Glomus geosporum, Glomus clarum.



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