

Mycotrex®

GRANULAR MYCORRHIZAL FUNGAL INOCULANT WITH RHIZOSPHERE BACTERIA

Mycotrex® is a special product with 88.000 pure spores per kg of 4 different Endomycorrhiza species for establishing vesicular-arbuscular mycorrhizal (VAM) fungi symbiosis on roots of many horticultural plants, including trees and shrubs, flowers, grasses, and herbs.

By creating a mycorrhizal network the absorption capacity of the roots is considerably enlarged. In addition, the hyphae penetrate the finest soil pores and reach the available nutrients and convert them into the required amounts for the plant. Numerous studies worldwide have proven that plants with an extended mycorrhizal network show better survival and growth, absorb more phosphorus and other mineral elements, and have improved abilities to efficiently absorb more water from soil than plants without VAM. This product also contains several strains of nitrogen fixing and phosphorus solubilising bacteria.

All these beneficial biological microorganisms are blended with organic soil amendments, in a granular form. This product contains no fertilizer ingredients.

In organic soil-bound production systems Mycotrex® helps to improve the uptake of organic fertilizers, leaching will be reduced. Based on experiences dosages can be reduced to a level where almost no leaching is taking place.

PRODUCT BENEFITS

- Improves absorption of water and minerals from the soil.
- Helps plants mitigate adverse environmental stressors such as drought, salinity and extremes of soil pH.
- Improves growth ratio.
- Better survival of difficult to cultivate trees and plants.
- Improves the natural resistance to soil-bound nematodes.
- Stronger leaves through uptake of silicon.
- Leads to a reduction of the use of fungicides and insecticides.
- Helps growers to switch to organic or integrated crop methods.

WHY MYCOTREX?

Potting soils need to be sterile, containing no nematodes or weed seeds. For this reason most mixtures are being steamed, killing also the naturally occurring beneficial bacteria and fungi.

In the absence of these natural symbionts each crop depends entirely on the direct absorbed fertilizers. For the absorption of organic substances, each plant is dependent on the natural transformation in inorganic matter. For this the soil bacteria and mycorrhizae are essential. To add the right kinds of beneficial soil bacteria, it is advisable to rain in Bactrex® regularly with the irrigation water. This product is ideally suited for container crops, plants that will be put in soil after cultivation (garden plants, annuals, shrubs and hedge plants). The pH range is between 3.0 and 8.0.

COMPATIBILITY

Mycotrex® is developed for plants that naturally form endo-mycorrhizae as a natural supplement of potting soil, steamed soil and other media.

| GUARANTEED ANALYSIS | |
|----------------------------|--|
| V.A. Endomycorrhizal fungi | <i>Entrophospora colombiana</i> , <i>Glomus etunicatum</i> , <i>Glomus clarum</i> en <i>Glomus</i> sp. 22.000 spores of each per kilogram |
| Rhizosphere Bacillus spp | <i>Bacillus licheniformis</i> , <i>Bacillus megaterium</i> , <i>Bacillus polymyxa</i> , <i>Bacillus pumilus</i> , <i>Bacillus subtilis</i> , <i>Paenibacillus azotofixans</i> ; 3.1 million. cfu* of each per kilogram |

*cfu: colony forming units = an international measurement of bacteria.

Mycotrex

*For the colonisation
of plant roots.*

*Mycorrhizae
improve the uptake
of nutrients and
water*

*Mycorrhizae and
humic acids are an
essential part of
healthy soils.*

Mycotrex

GUARANTEED ANALYSIS

| Soil / plant amending ingredients | Gewichtsperscentage |
|--|---------------------|
| Seaweed meal (<i>Ascophyllum nodosum</i>) | 50.2 % |
| Humic acids | 22 % |
| Yeast Extract | 1 % |
| Maltodextrin | 2.7 % |
| Formononetin | 0.2 % |
| Inert ingredients | 23.9 % |
| 12.6 % Non-humic acid components of Leonardite | |
| 7.2 % Mineral oil | |
| 3.3 % Kaolin clay | |
| 0.8 % Talc | |

DIRECTIONS FOR USE

Mycotrex® can be applied by blending into the potting mix or by tilling into the nursery bed.

Dosage depends on the pot size. Smaller pot volumes need relatively more product mixed to make sure there is a minimum amount of spores available per pot.

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| Volume container in cc. | Kilogram per m ³ |
|-------------------------|-----------------------------|
| 450 cc or smaller | |
| 500 | 1.5 |
| 1000 (1 l.) | 1 |
| 2500 (2.5 l.) or more | 0.6 |

APPLICATION OF FUNGICIDES.

Fungicides: As a general rule, nonsystemic fungicides applied to aboveground plant parts, at label rates and using recommended procedures, have little effect on mycorrhizae development. When using systemic fungicides, apply Mycotrex 2 weeks before or after fungicide application, and at minimal concentrations recommended by manufacturers. Avoid soil-drench fungicides.

Other Pesticides: Nematicides and insecticides applied to actively growing plants do not normally affect VA mycorrhizae. Herbicides that kill host plants will also kill VAM fungi. Herbicides recommended for “over-the-top” application to the host plant that do not affect the plant will not affect its VA mycorrhizae. Insecticides and herbicides applied at label rates do not affect the beneficial bacteria in this product.

BEWARE:

If you're accustomed to working with artificial fertilizers only it is possible that plants respond differently. For example, it may happen that they initially remain in growth rate (they spend their growth energy to the roots). Growth will quickly be overtaken. Reduce the application (especially phosphate) of fertilizers with 25 to 50 %.

QUALITY, SHELF LIFE AND STORAGE

Mycotrex® is guaranteed germinative for 18 months.

Mycotrex is guaranteed free from nematodes and can be mixed safely with regular potting soils.

Mycotrex® is a living product. This product is stable in cool, dry storage conditions (10-20 °C.). Do not expose product to direct sunlight or freezing temperatures for a prolonged time.

KEEP OUT OF REACH OF CHILDREN.

LIMITED WARRANTY

BIOTABS.EU BV offers for sale the product Mycotrex®. There are no warranties of merchant ability or fitness for a particular purpose which extend beyond the description of the product in this specification sheet or other product literature, and liability of BIOTABS.EU BV is limited to replacement of any product which does not meet these specifications.

Suggestions for use and information on results obtained with its use are assumed by the manufacturer to be reliable. Since conditions of use are outside the control of BIOTABS.EU BV the buyer is responsible for all results, including injury and damage stemming from the use of this product alone or in combination with other materials.