

# Bactrex®

## 100% biological and natural soil bacteria. Rhizosphere inoculant

Bactrex® is a dry, dispersible rhizosphere inoculant that contains numerous strains of beneficial soil microbes. Rhizobacteria increase the solubility of mineral elements, such as potassium, phosphorus, calcium, etc. They fix atmospheric nitrogen, and increase nutrient mycorrhizal development.

The microbes in Bactrex® are live proprietary strains selected and packaged by Biotabs. The microbes are added in the form of microbial spores, numbering in the millions per kg, and include beneficial rhizosphere bacteria, several species of Bacillus, the actinomycete Streptomyces, as well as beneficial soil fungi of the genus Trichoderma. These microbes are formulated with soluble humic acids, yeast extract and seaweed extract to maximize product performance.

### COMPETE PLUS BENEFITS:

- Promote a plant's recovery from stress
- Promote soil conditions that are favorable to root development
- Promote root development and nutrient uptake
- Improve root function without stimulating excessive top growth
- Keep nutrients soluble in acidic, neutral and alkaline media
- Rhizosphere health and root hormone release
- Applied routinely through the drip irrigation, promotes substrate conditions.
- Colonizes the root zone with beneficial microbial populations that fix nitrogen, solubilise phosphorus and break down soil organic material releasing trapped nutrients

### DIRECTIONS FOR USE

Prevent mist, spray with ample water. Bactrex® contains living organisms, use mixed product within 6 hours. Use clean spraying equipment. Do not overdose, the effect will not improve and is costly. Depending on experience, soil health and amount of organic material it is possible to reduce the dosage.

**Agricultural field applications:** Apply directly after planting or germination of the seed 2 kg. per hectare in 400-1000 litres of water. Following applications: 1 kilo/ha. Every month until circa 1 month before the end of the crop cycle.

#### Nursery/Greenhouse:

**Mix 0.5 kg in up to 400 litres of water and apply every 14-21 days as a soil drench at a rate of 4 kg per hectare for intensely managed crops, and at 2 kg per hectare or all other nursery applications. For crops with high disease incidence apply at the 4 kg per hectare rate.**

***Beneficial bacteria  
for a better soil  
life, nutrient  
uptake and stress  
resistance.***

***"Healthy soil,  
healthy plant"***

### Application rates for all root drenches

Application	Rate	Frequency	Method of application	Area
NFT	0.7 kg	Weekly	injector	1 hectare
Low drain	2 kg	Every 4 weeks	Drip irrigation	1 hectare
High drain	2 kg	Every 2 weeks	Drip irrigation	1 hectare
Soil	2 kg	Every 4 weeks	Drip irrigation	1 hectare

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### GUARANTEED CONTENTS

Microbial content		Gewichtspercentage
Bacillus azotofixans	50 million cfu/g.	
Bacillus licheniformis	50 million cfu/g.	
Bacillus megaterium	50 million cfu/g.	
Bacillus polymyxa	50 million cfu/g.	
Bacillus pumilus	50 million cfu/g.	
Bacillus subtilis	50 million cfu/g.	
<b>Fungal and actinomycete content</b>		
Actinomycetes (Streptomyces griseoviridis)	1 million cfu/g	
Antagonistic fungi (Trichoderma harzianum)	10 million cfu/g	
<b>Microbial nutrients</b>		<b>66%</b>
Maltodextrin	48 %	
Yeast Extract	5 %	
Soluble seaweed extract (Ascophyllum nodosum)	13 %	
<b>Humic acids</b> (derived from Leonardite)		<b>17%</b>
<b>Inert ingredients</b>		<b>17%</b>
Precipitated Silica	8 %	
Leonardite Extract (other than humic acids)	6%	
Coconut oil	3 %	

cfu/g = colony forming units per gram = international standard for the measurement of bacteria

### COMPATIBILITY

Bactrex® contains naturally occurring live bacteria, actinomycetes and Trichoderma fungi in a dormant state. Bactrex can be tank mixed with soluble fertilisers and pesticides in dilution (do not mix with concentrate) if applied within 6 hours of tank mixing. Agitate for 2-3 minutes in spray tank prior to application. Beware: fertilisers containing ammonia can reduce the amount of soil bacteria up to 60%.

### HEALTH AND SAFETY INFORMATION

Wear eye and skin protection when using microbial inoculants. Product not intended for ingestion. In case of ingestion, seek medical attention. Wash hands after handling. Wear protection against dust or mist exposure. Do not inhale dust or mist of product. In case of allergic reactions(s), treat symptoms and contact physician. **Keep out of reach of children.**

### STORAGE / SHELF LIFE

Shelf life: 2 years in closed packaging, stored dry at room temperatures. Avoid prolonged exposure to direct sunlight. Once suspended in water, the product/water mixture should be applied 6 hours. Do not store the liquid suspension.

**Limited Warranty**  
BIOTABS.EU BV offers for sale the product Bactrex. 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.

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