

# RhizoVital<sup>®</sup> 42

Reg. No. B4201, Act No. 36 of 1947 / Namibia Reg. No. N-F0758

GROUP 2 FERTILISER

READ THE LABEL BEFORE USE  
KEEP OUT OF REACH OF CHILDREN & ANIMALS

Highly concentrated liquid formulation of the beneficial bacterium, *Bacillus amyloliquefaciens* strain FZB42.



**Active Ingredient:** *Bacillus amyloliquefaciens* strain FZB42 (min. > 2.5 x 10<sup>10</sup> spores per ml)

Not classifiable in terms of GHS

 **Andermatt**  
Madumbi

**Registered and distributed by:**  
**Andermatt Madumbi (Pty) Ltd.**  
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Emergency No.: GPIC: +27 (0) 82 446 8946 (24 H)  
In case of poisoning, call the Poison Information Helpline:  
+27 861 555 777  
[www.anderlatt.co.za](http://www.anderlatt.co.za)

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**Country of Origin: Germany**

PLANT VITALITY

See pack for details



**Net Volume: 40ml/ 500ml/ 1L/ 5L/ 20 L**

Batch No.:  
Date of Manufacture:  
Expiry:  
UN No.: Not Regulated



12/2024

## DISCLAIMER:

This product is manufactured and tested to specific standards and are sold in good faith, however, no guarantee is given as conditions and methods under which they are used are beyond the control of the Manufacturer. Before using, the user should determine the suitability of the product for his/her intended use and the user assumes the risk and liability in connection therewith.

## WARNINGS

- Contains *Bacillus amyloliquefaciens* strain FZB42.
- Microorganisms may have the potential to provoke sensitising reactions.
- Keep out of reach of children, uninformed persons, and animals.
- When sealed this product is stable at 20°C for up to one year. Refrigerate once opened and use as soon as possible. Do not freeze.
- May cause slight eye irritations.
- May cause allergic reactions in sensitive persons.
- Remember you are working with a product containing live organisms. Avoid exposure to high temperatures and direct sunlight.
- Do not use after expiry date.
- Do not leave product or mixture standing in the sun.

## PRECAUTIONS

Wear protective gloves/protective clothing/eye protection.
In case of inadequate ventilation, wear respiratory protection.
Do not eat, drink, or smoke when using this product.
Wash hands and face thoroughly after handling.
Avoid inhaling mist or spray.
IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation or rash occurs: Get medical help.
IF INHALED: Remove person to fresh air, keep comfortable and monitor breathing. Get medical help if the person feels unwell.
Contaminated work clothing should not be allowed out of the workplace.
Dispose of contents and/or container in accordance with regulations.

## RELEVANT SUBSTANCES

Ingredient	CAS Number	%
<i>Bacillus amyloliquefaciens</i> FZB42	Not assigned	>2.5 x 10 <sup>12</sup> spores /100 g ca 50
Biomass from the fermentation process	Not applicable	
Non-hazardous co-formulants	Not applicable	ca 50

## COMPATIBILITY

- Compatibility with chemical products is not assured.
- Do not mix with chemicals unless the Supplier has confirmed compatibility.
- Do not mix in containers that have previously been used for toxic substances.

## DIRECTIONS FOR USE

- General application rate 500 ml/ha. Refer to rates table for detailed recommendations.
- Shake bottle well before use.
- Pour required volume of product into 1L of water and mix well.
- Add premix to the application tank and apply immediately. If possible, application mix should be agitated or stirred during application to avoid settling out of the mixture.
- Apply to moist soil as close as possible to the root zone.
- Avoid use in conditions when soil temperature is below 10°C.
- Close the lid of the bottle firmly after the seal is broken and store leftover product in a refrigerator. Do not keep opened product for extended periods.
- This formulation is intended for soil application and is not recommended for use as a foliar application.
- Use within 8 hours of mixing.

## SUGGESTED APPLICATION RATES AND FREQUENCY

Crop	Method	Rate	Remarks
<b>Row crops</b> (Barley, Maize, Soybean, Sunflower, Wheat)	Seed treatment	0.5 ml/kg seed	<ul style="list-style-type: none"><li>• Apply directly to seed prior to planting.</li><li>• Seed may be treated up to two weeks in advance.</li><li>• Allow seed to dry if storing prior to planting.</li></ul>
<b>Vegetables, ornamentals, and small fruit</b> (Cucumber, Leafy Vegetables, Tomatoes, Strawberries and others)	Soil drench	<b>Seedling trays:</b> 4 ml/10 L water  <b>After transplant:</b> 250 - 500 ml/ha	<b>Seedling trays:</b> <ul style="list-style-type: none"><li>• Drench 1 - 3 L of solution per m<sup>2</sup> shortly after sowing, germination and/or prior to planting.</li></ul> <b>After transplant:</b> <ul style="list-style-type: none"><li>• Apply as a drench to damp soil, irrigate after application to wash product into root zone.</li><li>• May be repeated monthly.</li></ul>
<b>Root and bulb vegetables</b> (Carrots, Onions, Potatoes)	In furrow or as a soil drench	<b>In furrow:</b> 500 ml/80 L water to treat 1 ha.  <b>Drench:</b> 500 ml/ha	<b>1<sup>st</sup> application:</b> <ul style="list-style-type: none"><li>• Applied in furrow during planting.</li><li>• May be mixed with fertiliser or pesticide application or via irrigation.</li></ul> <b>2<sup>nd</sup> application:</b> <ul style="list-style-type: none"><li>• Applied at week 4 as a soil drench.</li></ul> <b>3<sup>rd</sup> application:</b> <ul style="list-style-type: none"><li>• Applied at week 8 as a soil drench.</li></ul>
<b>Trees and vineyards</b> (Apples, Citrus, Grapes and others)	Soil drench	500 ml/ha	Apply with first root flush of the growing season with sufficient water to wash product into the root zone.