



RHIZOFLO[®] PROFESSIONAL

Reg. No. L9352

Act No. 36 of 1947

**READ ATTACHED PACKAGE OR LEAFLET BEFORE USE
KEEP OUT OF REACH OF CHILDREN AND ANIMALS**

Ultra-low volume, high performance growth enhancement system for soya beans.

If medical advice is needed, have product container or label at hand.

Active Ingredient:

Bacillus subtilis (Integral™)

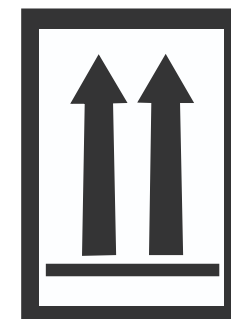
Rhizobial Inoculant1,0 x 10¹⁰ viable cells / ml

Vol. / mass: 1 x 1277 ml bladders of Growth Enhancer (Component A)
1 x 201 ml bottle *Bacillus subtilis* (Integral™) (Component B)
1 x 1478 ml liquid bag of Rhizobial Inoculant (Component C)

Batch No. / Date Manufactured / Expiry Date: Refer to details printed on container.

Lotnommer / Datum Vervaardig / Vervaldatum: Verwys na besonderhede gedruk op houer.

EMERGENCY NUMBER : +27 82 446 8946



Registered by:

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Co. Reg. No. 66/10235/07
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Halfway House 1685
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CAUTION

- Before using this **RHIZOFL®PROFESSIONAL** Growth Enhancement System for soya beans, please read all instructions carefully.
- Shake all containers well before opening.
- Always apply all three (3) components of the **RHIZOFL®PROFESSIONAL** System together. Applying only one or two components will not provide desired results.
- Products must be used on the same day they are first opened.
- Do not use inoculant that is past its expiration date, or that has not been properly stored.
- Unless otherwise directed, do not mix inoculant with fertilizers or pesticides.

WARNINGS

- Keep out of reach of children, uninformed persons and animals.
- With time and excessive high temperatures, these bacteria, like most biological organisms, become less viable, leading to reduced efficacy.
- During storage, and when in transit, it is important to keep the cold chain intact.
- Do not leave the product or mixture standing in the sun.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be efficacious under all conditions, because the action and effect thereof may be affected by factors such as abnormal soil, climatic and storage conditions, quality of dilution water; compatibility with other substances not indicated on the label as well as by the method, time and accuracy of application. The registration holder, furthermore, does not accept responsibility for damage to crops, vegetation, the environment or harm to man or animals; the lack of performance of the remedy concerned due to failure of the user to follow the label instructions, or to the occurrence of conditions which could not have been foreseen, in terms of registration. Please consult the supplier in the event of any uncertainty.

PRECAUTIONS

Precautionary Statements

- If medical advice is needed, have product container or label at hand.
- Keep out of reach of children.
- Read label before use.
- Avoid direct contact with eyes. In case of accidental contact, immediately flush eyes with clean water.
- Wear protective clothing, rubber gloves and face mask when mixing.
- Avoid contact with skin. Wash exposed hands before consuming food, drinking or smoking.
- Do not inhale spray mist.
- Do not eat, drink or smoke whilst mixing or applying.

- Wash hands with soap and cold water after application.
- Prevent the contamination of food, foodstuffs, drinking water and eating utensils.
- Clean applicator, before and after use. Do not contaminate other crops, grazing, rivers, dams and areas not under treatment with wash water.
- Store in original container in a dry area, away from food and feedstuffs.
- Rinse empty container 3 times with a volume of water equal to a minimum of 10% of that of the container. Add the rinsing water to the contents of the spray or mixing tank.
- Destroy the empty containers, and do not use the empty containers for any other purpose.
- Shake all containers well before opening.
- Open case contents only when ready to use.
- Any opened but unused material must be discarded at the end of each day.

RELEVANT SUBSTANCES

Hazardous ingredients According to UN GHS criteria	CAS number	Concentration (W/W)
COMPONENT A		
1,2-Benzisothiazol-3(2H)-one	2634-33-5	<0,05%
mixture of: 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)	55965-84-9	<0,0015%
COMPONENT B		
1,2-Benzisothiazol-3(2H)-one	2634-33-5	<0,05%

FIRST AID TREATMENT

Remove contaminated clothing.

ON CONTACT WITH EYES:	Wash affected eyes for at least 15 minutes under running water with eyelids held open.
ON INGESTION:	Rinse mouth and then drink 200 – 300 ml of water.
ON SKIN CONTACT:	Wash thoroughly with soap and water.
IF INHALED:	Keep patient calm, remove to fresh air.

TREATMENT: Symptomatic treatment (decontamination, vital functions).

STORAGE

- The **RHIZOFL® PROFESSIONAL** System contains multiple live organisms.
- Store inoculant and related seed between 4° - 20° C, away from direct sunlight.
- Do not allow product to freeze. For more uniform temperature control, store at floor level.

DIRECTIONS FOR USE:

Compatibility:

- For maximum on-seed survival, mix and apply **RHIZOFLO® PROFESSIONAL** System components separate from other seed treatment products.
- Some seed treatment formulations can be harmful to the **RHIZOFLO® PROFESSIONAL** System. Please consult your distributor or BASF representative before applying this product with any other seed treatment product.
- Please observe planting window recommendations for optimal responses.

Mixing Instructions:

In a clean mixing container, thoroughly mix the complete contents of one (1) 1277 mL bag of Growth Enhancer (Component A), with complete contents of one (1) 201 mL bottle of *Bacillus subtilis* (Integral™) (Component B) and complete contents of one (1) 1478 mL bag of Concentrated *Bradyrhizobium japonicum* (Component C). Continuous gentle agitation and aeration is recommended throughout the mixing and application process.

APPLICATION:

The **RHIZOFLO® PROFESSIONAL** System may be applied either as stand-alone seed treatment, or as a simultaneous, or sequentially applied application, with other compatible seed treatment products as follows:

If RHIZOFLO® PROFESSIONAL is to be applied without other seed treatments:

- Thoroughly mix all three **RHIZOFLO® PROFESSIONAL** System components with 4436 mL of cool, clean **non-chlorinated water**.
- Then apply the resulting mixture to soya bean seed, at a rate of 147 mL / 45 kg of seed.
- **Note:** While you may apply the **RHIZOFLO® PROFESSIONAL** System, at a rate of 59 L / 45 kg of seed without the addition of water, rhizobia survival will be enhanced when total volume of liquid applied to the seed is at least 147 L / 45 kg of seed.

If RHIZOFLO® PROFESSIONAL is to be applied with a chemical seed treatment:

- The **RHIZOFLO® PROFESSIONAL** System may be applied at a 59 L / 45 kg of seed rate, with no additional water. The balance of the volume to achieve a total volume of 147 mL / 45 kg of seed can be made of a combination of other chemical seed treatments and water, as long as the total applied liquid volume is at least 147 mL / 45 kg of seed.
- A wet sequential application method using separate application nozzles is recommended for enhanced on-seed survival.

USE ONLY AS DIRECTED

Components:

- The **RHIZOFLO® PROFESSIONAL** System comprises three (3) components:
- Growth Enhancer (Component A)
- *Bacillus subtilis* (Integral™) (Component B)
- Concentrated *Bradyrhizobium japonicum* (Component C)
- All three (3) components are included in this case.
- Always apply all three (3) components of the **RHIZOFLO® PROFESSIONAL** System together. Applying only one or two of the components will not provide desired results.
- One (1) 1277 mL bag of Growth Enhancer (Component A), one (1) 201 mL bottle of *Bacillus subtilis* (Integral™) (Component B) and one (1) 1478 mL bag of Concentrated *Bradyrhizobium japonicum* (Component C) will treat 2267 kg of soya bean seed when applied according to label directions.

Warranty

BASF warrants, that this product conforms to the specifications set out on this label. To the extent permitted applicable law, NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, AS TO THE CONDITION, QUALITY, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THIS PRODUCT ARE MADE FOR THIS PRODUCT.

Inherent Risks of Use:

It is impossible to eliminate all risks associated with use of this product. Lack of performance, injury, or other unintended consequences may result because of such factors as use of product contrary to strict label instructions and established safe practice, abnormal conditions (such as excessive rainfall, drought, and Acts of God), presence of other materials, use in combination with other materials, the manner of application, or other factors, all of which are beyond the control of BASF, or the seller. All such risks shall be assumed by the buyer.

Limitation of Remedies:

To the extent permitted by applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability or other legal theories), shall be limited to, at BASF's election, one of the following: (1) replacement of the amount of product used; or (2) refund of the purchase price paid for the product; PROVIDED THAT BASF's provision of (1) or (2) is conditioned on its first being

promptly notified of such loss or damage in writing. To the extent permitted by applicable law, BASF and the sellers of this product SHALL NOT BE LIABLE to the buyer or any party claiming by, through, or under the buyer for any losses or damages resulting or relating to this product, including but not limited to any DIRECT, INDIRECT, SPECIAL, PUNITIVE, ECONOMIC, INCIDENTAL, OR CONSEQUENTIAL DAMAGES or loss of profits, whether in contract, tort or otherwise. BASF neither assumes, nor authorizes any person to assume for it, any other liability in connection with the sale, storage, use or handling of this product other than expressly set forth herein.

Acknowledgement:

IN PURCHASING THIS PRODUCT, THE BUYERS AND ALL PARTIES CLAIMING BY, THROUGH OR UNDER THE BUYER, ACKNOWLEDGE AND AGREE TO THE TERMS AND CONDITIONS SET FORTH ON THIS LABEL AND FURTHER ACKNOWLEDGE THAT THEY FORM PART OF THE CONTRACT OF SALE BETWEEN THE SELLER AND BUYER OF THIS PRODUCT.

IMPORTANT POINTS TO REMEMBER

- STORE OUT OF DIRECT SUNLIGHT.
- STORE BETWEEN 4° - 20° C.
- DO NOT ALLOW PRODUCT TO FREEZE.



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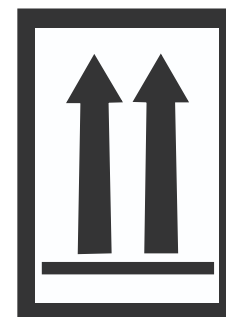
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