

Tri-Cure SP™

Biological fungicide

Developed and Registered by:

N Laboratories (PTY) LTD
Reg 2015/165672/07

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Reg. No. L 9425 Act No. 36 of 1947 / WET Nr. 36 van 1947

FRAC Fungicide group Code BM02

A soluble powder biological fungicide for the control of Rhizoctonia,
Fusarium and Pythium on all crops as listed. As well as enhanced plant growth.

'n Oplosbare poeier biologiese swamdoder vir die beheer van Rhizoctonia,
Fusarium en Pythium op gewasse soos aangedui. Dit verbeter ook plantgroei.

Active Ingredient / Aktiewe Bestanddeel
Trichoderma harzianum 2 x 10⁹ spores/gram

PROTEIN DEFENSE



Batch No./Lot Nr.

Caution/Versigtig



Date of Manufacture / Datum van Vervaardiging



1kg

Tri-Cure SP

Reg. No: L 9425 Act No. 36 of 1947

FRAC Fungicide Group Code BM02

A soluble powder biological fungicide for the control of *Rhizoctonia*, *Fusarium* and *Pythium* on all crops as listed. As well as enhanced plant growth.

Active Ingredient: *Trichoderma harzianum* (MIT04) 2x10⁹ spores/gram
Net volume: 50, 250, 500 gram

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CAUTION



Batch no.:

Date of Manufacture:

WARNINGS:

- May cause slight eye irritation.
- May cause allergic reactions in sensitive persons.
- Keep out of reach of children and animals.
- Stored under cool dry conditions between 5 to 20°C (preferably 5°C).
- Store only in original container.
- If possible keep in a refrigerator but DO NOT freeze.
- Do not use under extreme weather conditions (especially temperatures above 35°C).

Precautions:

- Remember, the active ingredient in Tri-Cure SP is a living organism.
- Do not mix with other pesticides (especially broad spectrum fungicides).
- Do not mix in containers that have previously been used for fungicides.
- Wash containers well with soap and water and rinse thoroughly before use.
- Do not use after the product has passed its expiry date.
- Do not leave product standing in direct sun or in extreme heat.
- Once product has been mixed with water it should be used within 6 hours.
- Wash hands with soap and water after handling the product.
- Avoid inhaling the dust.
- The product is not soluble in water and should be stirred frequently during use to avoid settling out.

Although this remedy has been extensively tested under a large variety of conditions, the registration holder does not warrant that it will be ecacious under all conditions. Because the active ingredient is a living organism its action and effect may be affected by factors such as abnormal climatic and storage conditions; quality of dilution water and compatibility with other substances not indicated on the label as well as by the method, time and accuracy of application. Furthermore the registration holder, does not accept responsibility for damage to crops, vegetation, the environment, or harm to man or animal, or for 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 the registration. Consult the supplier in the event of any uncertainty.

Suppression:

Tri-Cure SP is a fungal inoculant containing *Trichoderma harzianum* (Strain MIT04) which will provide season long suppression of soil borne root diseases, facilitating quality plant growth significantly in infected soil conditions.

Directions for use:

Mixing: Dilute at a rate of 25 grams per 100ℓ water. First mix the required amount of powder with a small amount of water. Once a thin paste has been formed the remaining water can be added while mixing thoroughly.

Drenching:

Apply as a drench to seedling trays, seed beds or field vegetables directly after planting as a preventative treatment. A top-up application can be done if deemed necessary.

Seed treatment:

If an insecticide is being applied to the seed, then before the insecticide dries the Tri-Cure SP powder should be added and mixed thoroughly. In this way the insecticide helps the Tri-Cure SP stick to the seed. Alternatively, any suitable sticker can be used to make the seed sticky before adding the dry powder as above. On rough seed the Tri-Cure SP powder can be applied dry to the seed.

Crop and Pest	Dosage / 100Kg seed	Remarks
Beans (Dry/Green/ Groundnut/ Soybean:) <i>Rhizoctonia</i>	1g/kg seed	Improves seed germination by up to 30%. Apply as a seed treatment prior to planting. If applying <i>Rhizobium</i> inoculant then combine with this treatment. Can also be applied on top of the insecticide seed treatment. Apply dry powder to the seed after the insecticide has been applied, but before the insecticide dries completely. In this way the insecticide will help the Tri-Cure SP stick to the seed. Tri-Cure SP can also be applied dry to the seed in the seed planter.
<i>Fusarium</i>		Suppresses <i>Fusarium</i> and improves root development.

Crop and Pest	Dosage / 100Kg seed	Remarks
Maize <i>Rhizoctonia</i>	1g/kg seed	Improves seed germination by up to 8%. Apply as a seed treatment prior to planting. Can be applied on top of the insecticide seed treatment. Apply dry powder to the seed after the insecticide has been applied, but before the insecticide dries completely. In this way the insecticide will help the Tri-Cure SP stick to the seed. If no insecticide treatment is being done, the Tri-Cure SP can be applied together with any suitable sticker. If the seed has been pre-treated with an insecticide, the Tri-Cure SP can be added dry to the seed in the planter. Where disease incidence is particularly severe, a combination of a seed treatment, plus follow-up application of 250g-500g/Ha applied as a drench at 2-4 weeks after planting and again 8-10 weeks after planting can be used. Irrigate immediately after application to ensure Tri-Cure SP spore is washed into the root zone.
<i>Fusarium</i>	25g/100 litre (250-500g/ha)	Suppresses <i>Fusarium</i> and improves root development.

Crop and Pest	Dosage / 100Kg seed	Remarks
Potatoes <i>Rhizoctonia</i> , Stem canker and Black scurf	25g/100 litre (250-750g/ha)	Apply as a spray over the top of the seed potatoes in the plant furrow immediately before closing the furrow. This may either be done with a spray rig mounted on the planter or by knapsack sprayer when planting by hand. An alternative method of treating is to dust the seed potatoes with Tri-Cure SP plus 4kg of kaolin per ha of seed. 500g of Tri-Cure SP must be thoroughly mixed with 4kg of kaolin. This mixture can then be dusted over the seed potatoes as they are loaded into the planter. Where <i>Rhizoctonia</i> incidence is particularly severe a combination treatment of 500g seed treatment plus 250g applied as an in furrow drench can be used.

Crop and Pest	Dosage / 100Kg seed	Remarks
Seedlings (Tomato, crucifera, cucurbit, lettuce, etc.) <i>Rhizoctonia</i> root rot	25g (250-500g/ha)	Improves seedling germination by up to 30%. Apply as a full drench at sowing to the seedling trays, repeat application prior to transplanting.
<i>Fusarium</i> and <i>Pythium spp</i>		Suppresses <i>Fusarium</i> and <i>Pythium spp</i> and improves root development.

Crop and Pest	Dosage / 100Kg seed	Remarks
Field application for vegetables (Tomato, pepper, crucifera, cucurbit, lettuce, carrot, onion, etc.): <i>Rhizotonia</i>	25g/100 litre 250-500g/ha	Apply as a soil drench at sowing with a minimum water volume of 1000ℓ/ha. A total of 250g of product should be applied per hectare. Irrigate immediately after application to ensure Tri-Cure SP spores are washed into the root zone. Apply monthly or according to disease pressure.
<i>Fusarium</i> and <i>Pythium spp</i>		Suppresses <i>Fusarium</i> and <i>Pythium spp</i> and improves root development.

Crop and Pest	Dosage / 100Kg seed	Remarks
Wheat Root development and improvement	1g/kg seed	Apply as a seed treatment prior to planting. Can be applied on top of the insecticide seed treatment. Apply dry powder to the seed after the insecticide has been applied but before the insecticide dries completely. In this way the insecticide will help the Tri-Cure SP stick to the seed. DO NOT apply together with a fungicide seed treatment. If no insecticide treatment is being done, then the Tri-Cure SP can be applied together with any suitable sticker. If the seed has been pre-treated with an insecticide or fungicide then the Tri-Cure SP can be added dry to the seed. Where disease incidence is particularly severe, a combination of a seed treatment, plus follow-up application of 250-500g/ha applied as a drench at 2-4 weeks after planting and again 8-10 weeks after planting can be used. Irrigate immediately after application to ensure the Tri-Cure SP spore is washed into the root zone. If uncertain of product compatibility please consult an MBFi representative.
<i>Fusarium</i>	25g/100 litre (250-500g/ha)	Suppresses <i>Fusarium</i> and improves root development.