

PROMOT[®] WP

Microbiological Plant Growth Promoter

GUARANTEED ANALYSIS

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| Trichoderma koningii | 3 x 10 ⁷ /gm |
| Trichoderma harzianum | 2 x 10 ⁷ /gm |

PROMOT is a natural product derived from the fermentation of selected microorganisms of the Trichoderma spp. (Trichoderma koningii and Trichoderma harzianum). Its ingredients include living microorganisms, enzyme complexes and nutrients, and are all beneficial to plant growth.

The microorganisms in **PROMOT** are in the form of spores which are protected from adverse conditions and germinate as soon as the environment becomes favorable.

PROMOT has the capacity to allow the microorganisms in the product to multiply in the soil and colonize the roots, thus protecting plants from certain soil pathogenic fungi. As these specific microorganisms multiply, they also produce growth factors which will stimulate seed germination and plant growth. At the same time, the activities of **PROMOT** ingredients in the soil improve the vigor and health of plants, making them more immune and more resistant to pathogenic fungi.

Using **PROMOT** helps the seedlings but also has a carry over effect in the field after transplanting to help the early stage of growth. This results in better survival rates, less transplanting shock, better plant growth and better protection against soil pathogenic fungi after transplanting.

ENHANCED GROWTH, VIGOR & YIELD

PROMOT offers significant rewards: better seed germination, increased survival rates, abundant root proliferation, improved growth and vigor, early flowering, more flowers, more fruit setting and accordingly higher yields of higher quality.

RESISTANCE TO FUNGAL DISEASES

Trichoderma species are natural antagonists of soil-borne pathogenic fungi. Trichoderma koningii, Trichoderma harzianum have been documented as retarding the following destructive pathogenic fungi:

- Rhizoctonia solani
- Sclerotium rolfsii
- Pythium species
- Fusarium solani and F. oxysporum

DIRECTIONS OF USE

General Information

- **PROMOT** may be used for all types of crops at any stage of growth.
- **PROMOT** is not susceptible to insecticides, nematicides and herbicides. The special Trichoderma, strains in **PROMOT** are resistant to several chemical fungicides as benomyl, thiabendazole, carbendazim, captan, metalaxyl. They resist up to a maximum of 2000 ppm active ingredient of these fungicides in soil or in water.
- **PROMOT** tolerates a pH range of 1-11. The best pH range is 4-7.
- **PROMOT** may be used for all types of soils.

Important Notes

1. **PROMOT** is not a plant food and does not substitute fertilizers. It may be mixed with most fertilizers just prior to application.
 2. Do not mix **PROMOT** with fungicides, insecticides, herbicides, etc.. Allow at least 48 hours between the application of **PROMOT** and these chemicals.
 3. In case of fumigation or sterilization of the soil, allow at least 48 hours after properly aerating the soil before applying PROMOT.
 4. **PROMOT** is a dispersible powder. The active part, Trichoderma, suspends and disperses in water. If needed to be applied in solution:
 - a. Dilute in at least 20 parts of water.
 - b. It is necessary to agitate the solution continuously during application.
1. **Do not subject PROMOT to X-Ray.**

Different Uses

Field Application: The recommended rate per treatment is 1.0-3.0 kgs of **PROMOT** powder per hectare. At least one application per season for annual crops and two applications per year for perennial crops and orchard trees.

1. Seed application : For some crops, it is possible to apply the same recommended rate per hectare by mixing with the seeds before planting.
2. Spraying: Dilute **PROMOT** in water, spray solution uniformly on the soil surface and incorporate immediately to a depth of 10-15 cm before planting.
3. Injecting via irrigation systems : Dilute **PROMOT** in water and inject solution via the drip, sprinkler, pivot, etc.. with the first irrigation after sowing or transplanting.

Important notice:

All statements support itself on the today's position of our awareness, they represent yet no assurance of product characteristics and found no contractual legal relationship. All statements are not binding and cause neither one warranty - one more liability claim.

Seed Treatment: Mix **PROMOT** powder with seeds at a rate of 1.0-2.0 kgs per 500 kgs of seeds. Use a small amount of water if necessary for sticking on seeds.

Transplanting: Dilute **PROMOT** powder at the rate of 10 grams per one liter of water and dip the roots of plants in the solution at transplanting or water the plants before transplanting.

Cuttings and Bulbs: Dilute **PROMOT** powder at 10 grams per one liter of water and dip the cuttings or bulbs prior to planting.

House Plants: Before planting : Mix 10 grams of **PROMOT** powder with 5 kgs of potting soil. Established pots : Dilute **PROMOT** powder at 5 grams per one liter of water and apply 0-100 ml per pot just before irrigation.

Garden or Flower Beds: Dilute 30 grams of **PROMOT** powder with 10 - 20 liters of water and apply the solution to the soil; it may also be applied directly on the seeds.

Manufacturing of Potting Soil: Mix 1 kg of **PROMOT** with 500 kilograms of potting soil. DO NOT steam or sterilize the soil after mixing with PROMOT.

PROMOT is a registered plant growth promoter in Germany.

BVL-registration-no.: LS 005131-00
PROMOT is legal to use in several EU-countries for organic production.

A 100% natural product, **PROMOT** is non-pollutant and non-toxic. It is completely safe for humans, animals, plants and the environment.

Distribution:

Gerlach Natürliche Düngemittel, D