

Trianum-P

TRICHODERMA HARZIANUM



Promotes growth and disease resistance



A plant strengthener that contains a fungus (*Trichoderma harzianum*) that promotes plant growth.

Trianum can enhance the growth and development of roots and above-ground plant parts. For use in the cultivation of vegetables, soft fruit, herbs, bulbs, ornamentals, perennials, turf and arboriculture (both protected and open field). Trianum-P performs well under various environmental conditions. It grows under a wide temperature range (10-34°C/50-94°F), at a pH between 4-8, in many types of culture media and on the roots of many types of crops.

Apply Trianum-P as early as possible in the crop for optimal effect.

Unit of packaging

Active ingredients: *Trichoderma harzianum* Rifai strain KRL-AG2 (also known as T-22)
Trianum-P is available in the U.S. in 500g and 5kg packages.

Formulation: Water dispersible powder (P)
Concentration: 3.65% *Trichoderma harzianum* Rifai strain KRL-AG2. Contains at least 1.0×10^7 colony forming units per gram dry weight.

Content: 500 grams of wettable powder
Packaging: in a polythene bag within cardboard outer

Use

For use in the cultivation of vegetables, soft fruit, herbs, bulbs, ornamentals, perennials, turf and arboriculture (both protected and open field).

Preparation of Solution

For application as drench:

- Suspend 1 volume Trianum-P in 5 volumes of water in a bucket.
- Mix thoroughly.
- Add suspension to required amount of water to obtain final drench solution.
- Agitate continuously to maintain an even distribution of spores (spores do not dissolve in water and have the property to precipitate).
- Apply the drench on the day of preparation.

Trianum-P can be applied without special drenching equipment. After application clean equipment by flushing thoroughly with water.

Drip irrigation

- Suspend 1 volume Trianum-P in 5 volumes of water in a bucket.
- Mix thoroughly.
- Add suspension to required amount of water to obtain final volume.
- Agitate continuously to maintain an even suspension (spores do not dissolve in water and have the property to precipitate).
- Spores in Trianum-P should reach the roots quickly (in time spore quality decreases in water).
- Do not use Trianum-P before sand filter and make sure that drip irrigation filters are clean (spores can attach to organic material in filters).

Note: To increase spore attachment to roots avoid run-off and excess drainage the first two days after application of the product. Trianum-P is not a systemic product and therefore not taken up by the plant. Do not use disinfectants in drip irrigation systems at least one day before until two days after Trianum-P application.

Application and Dose

Use sufficient suspension to guarantee good penetration of the culture medium or the soil, but avoid run-off and excess drainage.

Propagation:

Apply 1.5 grams of Trianum-P per m² of cultivated area (suspended in 2.5 - 5 liters of water) immediately after sowing or planting cuttings (non-rooted or rooted).

Cultivation in soil at high crop density, with little space between plants (vegetables, herbs, bulbs, ornamentals, perennials and arboriculture):

Apply Trianum-P directly after planting, at a dose of 3.0 grams per m² of cultivated area (suspended in 10 liters of water).

Apply Trianum-P at half dose (1.5 grams per m²) if plants were treated during the propagation stage. Repeat the treatment with Trianum-P every 10-12 weeks or after re-potting into larger containers, also using half the dose.

Cultivation in soil and substrate in rows, or at lower crop density, where plants are more widely spaced (vegetables, soft fruit, ornamentals, perennials and arboriculture):

Apply Trianum-P directly after planting, at a dose of 30 grams per 1,000 pots (suspended in 100 liters of water).

Apply Trianum-P at half dose (15 grams per 1,000 pots) if plants were treated during the propagation stage.

Repeat the treatment with Trianum-P every 10-12 weeks or after re-potting into larger containers, also using half the dose.

Turf:

Apply Trianum-P as soon as the soil temperature exceeds 8°C/47°F. Apply Trianum-P twice (with an interval of one month) at a dose of 45 grams per 100 m² in early spring. For continuous presence of Trianum-P in the root zone, further applications at a dose of 15 grams per 100 m² (fairways/tees) or 30 grams per 100 m² (greens) are recommended at monthly intervals in summer and autumn. The final application should be at least 4 weeks before autumn.

If over-seeding, mix Trianum-P with grass seed at a dose of 125 grams of Trianum-P per 50 kg of seed.

Compatibility

Never mix Trianum-P with other products. Trianum-P is compatible with most fungicides, liquid fertilizers and insecticides/acaricides. Consult your technician for information about specific combinations.

Important! Only use products that are permitted in your country/state and crop. Check local registration requirements. Koppert Biological Systems cannot be held liable for unauthorized use.