

TRI-D25™

TRICHODERMA SPP.
Trichoderma koningii and
Trichoderma harzianum



GUARANTEED ANALYSIS

Trichoderma koningii
Trichoderma harzianum

The total spore counts is 5×10^7 active spores per gram of product.

GENERAL INFORMATION

Tri-D25 is a seedling inoculant for use as a preplant root and/or soil treatment for plug or bareroot transplants.

Tri-D25 contains micronutrients and fermentation substances which may improve the survival of transplants. **Tri-D25** may increase the beneficial microbial activities in the rhizosphere which in turn promote root and plant growth. In fumigated soils or soils with low biological activities, **Tri-D25** is extremely beneficial in creating a rhizosphere which is dominated by beneficial microorganisms.

ADVANTAGES & BENEFITS

Using **Tri-D25** has shown many rewards;-

1. Better seed germination,
2. Increased plant survival rates,
3. Abundant root proliferation and roots growth
4. Improved growth and vigour, resulting in healthier plants,
5. Increased fruit set and accordingly, higher yields of higher quality.
6. Creates a beneficial microorganisms dominated rhizosphere

Tri-D25 can improve soil structure. The organisms in this product produce humic compounds and help form aggregates in the soil to improve soil porosity.

Tri-D25 can be applied as a foliar spray, seed soak, transplant dip, side dress or through irrigation systems. When properly applied to the soil, **Tri-D25** will multiply and produce factors which may stimulate plant growth.

Large populations of beneficial microorganisms also crowd out pathogens, preventing them from becoming established.

Tri-D25 can be used on:- wine grapes, table grapes, deciduous fruits, nuts, citrus, raspberries, cotton, vegetables, asparagus, corn, carrots, onions, garlic, capsicums, potatoes, tomatoes, melons, legumes, sorghum, turf grass, ornamental, horticultural, and nursery plants.

Fertilisers: **Tri-D25** is compatible with most fertiliser solutions and biological preparations. It is recommended to add fertiliser solutions or other biological preparations to water first then add **Tri-D25** to the mixture.

Temperature: The optimal temperature for **Tri-D25** is above 13°C.

Insecticides and Herbicides: There is no evidence that insecticides and herbicides applied at label rates is harmful to the use of **Tri-D25**.

COMPATIBILITY

Tri-D25 may be rendered ineffective in the presence of high rates of Copper. This biological product may be killed if combined with fungicides, soil fumigants, aqueous ammonia, phosphoric acid, chlorine, or sulphuric acid.

PLANT & ENVIRONMENTAL SAFETY

Tri-D25 is totally harmless to plants even when recommended rates are exceeded. **Tri-D25** is totally harmless to both humans and wildlife and is environmentally friendly.

IMPORTED and DISTRIBUTED EXCLUSIVELY IN NEW ZEALAND BY

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APPLICATION GUIDELINES

| CROP | TIME OF APPLICATION | | RATE OF APPLICATION |
|-------------------------------------|--|---|------------------------------|
| | | | |
| APPLES & PEARS | 1 st application Further Applications Foliar Applications | At planting Annually when root flush occurs As needed | 1 kg/ha 1 kg/ha 1kg/ha |
| AVOCADO | 1 st application Further Applications | At planting Annually when root flush occurs | 1 kg/ha 1 kg/ha |
| BRASSICAS and LETTUCE | 1 st application Foliar Applications | At planting As needed | 1 kg/ha 1 kg/ha |
| GRAPES (TABLE, WINE, & DRIED FRUIT) | 1 st application Further Applications Foliar Applications | At planting Annually when root flush occurs As needed | 1 kg/ha 1 kg/ha 1kg/ha |
| KIWI GOLD(16A) & HAYWARD | 1 st application Further Applications Foliar Applications | At planting Annually when root flush occurs As needed | 1 kg/ha 1 kg/ha 1kg/ha |
| POTATOES, ONIONS & CARROTS | 1 st application | At planting | 1 kg/ha |
| STONE FRUIT & CHERRIES | 1 st application Further Applications Foliar Applications | At planting Annually when root flush occurs As needed | 1 kg/ha 1 kg/ha 1kg/ha |
| STRAWBERRIES & ALL BERRIES | 1 st application Foliar Applications | At planting As needed | 1 kg/ha 1 kg/ha |
| TOMATO and CAPSICUM Field grown | 1 st application Foliar Applications | At planting As needed | 1 kg/ha 1 kg/ha |

For information on application rates and timing for crops not listed on this brochure, please contact your local distributor or visit the RSF website at www.rd2.co.nz



For all tree crops, it is advisable that applications are done annually in the spring when the root system begins to grow. Row crops such as vegetables require applications at planting for optimum benefits.

Importance of Tri-D25 and Its Contribution to Agriculture

Soil organisms contribute a wide range of essential services to the sustainable function of all ecosystems, by acting as the primary driving agents of nutrient cycling, regulating the dynamics of soil organic matter, soil carbon sequestration; modifying soil physical structure and water regimes, enhancing the amount and efficiency of nutrient acquisition by plants / trees and enhancing plant health. These services are not only essential to the functioning of commercial plant and tree production but constitute an important resource for the sustainable management of agricultural systems.

Other uses for **Tri-D25** include application on cuttings, seedlings and used as seed pickling.

- * **CUTTINGS, GRAFTS:** Mix 30gr of TRI-D25 with 10gr of rooting hormone and use for dipping prior to planting or grafting.
- * **SEEDLINGS (MARKET GARDENERS):** Dip seedlings in a solution of 100-200gr of TRID25 per 50-100 L of water prior to planting.
- * **SEEDLINGS (GREENHOUSES):** Apply 100gr of TRI-D25 per 400sqm with first irrigation.
- * **SEED RAISING MIX (COMMERCIAL PRODUCERS & COMPOST MANUFACTURERS):** Mix 30-50gr of TRI-D25 per cubic meter prior to bagging.
- * **SEED PICKLING (WHEAT, BARLEY, COTTON, OIL SEEDS ETC.):** Mix 2 kg of TRID25 with one tonne of seeds prior to planting.

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