



CORONA SEEDS INC.

590 Constitution Ave # F

Camarillo, California 93012 USA

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T22™ HC Biological Fungicide

T-22™ HC is a preventative biological fungicide for control of plant diseases. The active ingredient is a microbe, *Trichoderma harzianum* Strain T-22, which when applied to seeds, transplants or other propagative material, or to soil or planting mixes, grows onto plant roots as they develop and provides protection against plant root pathogens such as *Pythium*, *Rhizoctonia*, *Fusarium*, *Cylindrocladium* and *Thielaviopsis*. T-22 HC can be used alone or in conjunction with certain chemical fungicides; consult the T-22 HC compatibility chart for more information.

Where early season seed rot and seedling diseases are expected, use chemically treated seed or other appropriate measures for stand establishment and T-22 HC for root disease control.

NOTE: T-22 HC contains live spores of a microbe that must be used prior to disease onset. T-22 HC becomes active in soil or on plants when temperatures are above 50°F and is not effective while temperatures remain cold. T-22 HC can be applied to sterilized or fumigated soil but **MUST BE APPLIED AFTER** sterilization or fumigation

FEATURES and BENEFITS:

- Protects roots from damage caused by *Pythium*, *Rhizoctonia* and *Fusarium*
- Treated root systems are stronger, healthier and have greater soil exploration and moisture uptake
- Compatible with other seed treatments and pesticides
- Greater crop stand preservation
- Enhances Nutrient Uptake
- Increased Stress Tolerance
- Potential Yield Increases
- Cost Effective
- Soil pH tolerant: 4-8
- OMRI Listed



T-22 HC CHEMICAL COMPATIBILITY Recommendation:

T-22 HC is compatible with the many common seed treatments and can be applied before or after the application



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of the compound. Even though the active ingredient in T-22 HC is a fungus, extensive research has shown that it can be tank-mixed with many fungicides. For incompatible fungicides, the manufacturer recommends that strain T-22 be applied 7-10 days after chemical fungicide application. Refer to your dealer, sales representative, or www.bioworksinc.com for a current chemical compatibility list. A partial list of chemicals tested follows:

| Brand Name | Common Name |
|-------------------|--------------------|
| Allegiance | Metalaxyl |
| Apron XL | Mefenoxam |
| Baytan | Triadimenol |
| Captan | Captan |
| Gaucho | Imidacloprid |
| Lorsban | Chlopyrifos |
| Maxim | Fludioxonil |
| Orthene | Acephate |
| PCNB | Quintozene |
| Quadris | Azoxystrobin |
| Thiram | Thiram |
| Vitavax | Carboxin |



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T-22 HC Application Rates:

| Crop | Typical Seed size and Estimated Planting Rate | | | Typical Application Rate per Acre | | | |
|--------------|---|-----------------------|---------------|--------------------------------------|----------------------|--------------------|------------------|
| | Seeding Rate | Seeding Rate per Acre | Seeds per lb. | Bags of Seed treated with 1 lb. T-22 | Acres per 1 lb. T-22 | T-22 HC oz per cwt | T-22 oz per acre |
| Wheat | 75 lb/acre | 300,000 | 4,000 | 46 bags | 30 A | 0.7 | 0.52 |
| Alfalfa | 75 lb/acre | 3,570,000 | 210,000 | 8 bags | 24 A | 4 | 0.68 |
| Corn Field | 18 lb/acre | 28,000 | 1,600 | 16 bags | 48 A | 2 | 0.35 |
| Corn; silage | 18 lb/acre | 28,000 | 1,600 | 16 bags | 48 A | 2 | 0.35 |
| Corn; sweet | 11 lb/acre | 27,500 | 2,500 | 500 lbs | 45 A | 3 | 0.33 |
| Cotton | 12 lb/acre | 55,000 | 4,600 | 230K bag | 44 A | 3 | 0.36 |
| Peanuts | 100 lb/acre | 75,000 | 750 | 21 bags | 11A | 1.5 | 1.5 |
| Popcorn | 10 lb/acre | 27,500 | 2,750 | 11 bags | 53A | 3 | 0.3 |
| Sorghum | 3.6 lb/acre | 50,000 | 14,000 | 16 bags | 224A | 2 | 0.07 |
| Soybeans | 60 lb/acre | 180,000 | 3,000 | 21 bags | 18A | 1.5 | 0.9 |
| Sugar Beets | 1.4 lb/acre | 57,000 | 42,000 | 86 x 100K units | 147A | 8 | 0.11 |
| Sunflower | 5 lb/acre | 20,000 | 4,000 | 11 bags | 107A | 3 | 0.15 |

Application Instructions for T22 HC:

Planter Box: Measure appropriate amount of T-22 HC and blend with seed in the planter box. The green scoop provided in the T-22 HC packaging, will measure out about 1.5 ounces of T-22 HC.

Bulk Seed Systems: T-22 HC can be added to seed flow when using bulk seed filling systems. Disperse appropriate amount into auger or conveyor systems, typically at the hopper, when filling planting equipment. Mechanical applicators such as the Enviropac dry applicator can be used.

Infurrow or liquid slurry application: T-22 HC can be slurried and suspended in water or compatible seed treatments and liquid fertilizers. Many products are compatible but check with your BioWorks representative to be sure. Agitation is recommended to avoid settling. Follow all precautions listed on the label.

This product should not be tank mixed with chemicals that contain the following active ingredients: benomyl, imazilil, propiconazole, tebuconazole, and triflumizole. Do not apply T-22 HC immediately before these pesticides are used.