Trichoderma harzianum Rifai Strain T-22 (ATCC # 20847) (119202) Fact Sheet

Summary

Trichoderma harzianum Rifai Strain T-22 is a naturally occurring fungus that is used to protect crops and seeds from various fungi that cause plant diseases. It is used primarily in greenhouses and nurseries, as well as by consumers. The active ingredient is not expected to cause adverse effects to humans, pets, or the environment. There are certain crops where it is not approved for use.

I. Description of the Active Ingredient

Name of Active Ingredient: *Trichoderma harzianum* Rifai Strain T-22 (ATCC # 20847) (Sometimes known as Strain KRL-AG2)

OPP Chemical Code: 119202

Trichoderma harzianum Rifai StrainT-22 is a naturally occurring fungus found in soil.

II. Use Sites, Target Pests, and Application Methods

- **Use Sites**: Greenhouses, nurseries, turf, home gardens, planting boxes, and outdoor soil. The fungus can be used on all food and feed crops *except* the following: apples, barley, chickpea, kiwi, lemon, mushrooms, oats, pechay (bok choy), rice, sugarcane, tobacco. These uses are excluded until the registrant shows that the fungus does not harm these plants.

- **Target Pests**: Various fungi that cause seed rot, diseases of plant roots, and other plant diseases.

- **Application Methods**: Products containing this active ingredient are applied to seeds, transplants, soil and turf.

III. Assessing Risks to Human Health

There are no expected health risks from use of products containing this active ingredient. Results indicate that there were no toxic effects in laboratory animals that had eaten or inhaled the fungus. No skin problems were seen in workers who had experienced frequent skin exposure. Also the fungus cannot grow at human body temperature. As a standard precaution, users are required to wear personal protective equipment to prevent inhalation and skin exposure.

IV. Assessing Risks to the Environment

No harmful effects to the environment are expected from use of Trichoderma harzianum strain T-22 for the following reasons:

The fungus is widespread in soil

There was no evidence of toxicity in various laboratory tests

Exposure in the environment is limited because the approved application sites are primarily for seed and soil treatments, and for greenhouses. Further data would be required for EPA to approve additional use sites.

V. Regulatory Information

Year Active Ingredient was initially registered: 1990

Number of end-use products (12/00): 2

VI. Producer Information

Bioworks, Inc
122 N. Genesee St
Geneva, NY 14456

- **Additional Contact Information**

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