

***Isaria fumosorosea* (formerly *Paecilomyces fumosoroseus*) Apopka Strain 97 (115002) Fact Sheet**

Summary

Paecilomyces fumosoroseus Apopka Strain 97 has been reclassified and is now known as *Isaria fumosorosea* Apopka strain 97. It is a naturally occurring fungus that infects and kills several kinds of insects. It is not toxic to humans, and is not expected to cause adverse ecological effects based on studies and information reviewed by the Agency.

I. Description of the Active Ingredient

Isaria fumosorosea Apopka Strain 97 is a naturally occurring insect fungus found in infected and dead insects, and in some soils. The fungus infects the host by penetrating the outer layer (cuticle) of the insect, and proceeding to grow until the insect dies.

II. Use Sites, Target Pests, and Application Methods

- **Use Sites:** The fungus can be used on food and nonfood crops in greenhouses and on agricultural sites as approved.
- **Target Pests:** Whiteflies, thrips, aphids, and spider mites.
- **Application Methods:** The product is sprayed on the leaves of the plant. It works best at temperatures between 22°C and 30°C (72°F-86°F), and requires high humidity.

III. Assessing Risks to Human Health

There are no expected health risks from use of this fungus as a pesticide. Standardized tests indicate that *Isaria fumosorosea* Apopka Strain 97 is not toxic to humans. Furthermore, exposure already occurs naturally. Because persons with impaired immune systems may have adverse reactions to the pesticide, such individuals should not mix, load, or apply the pesticide.

IV. Assessing Risks to the Environment

No harmful effects to the environment are expected based on data and information reviewed by the Agency. Tests show that the fungus is not toxic to mammals or birds. This active ingredient was approved earlier for greenhouse use. Additional data and information were submitted to support its use on agricultural crops.

V. Regulatory Information

Isaria fumosorosea Apopka Strain 97 was registered (licensed for sale) as an active ingredient in a Manufacturing Use Product and in one End-use Product for non-food use in greenhouses in October 1998. These products are now labeled for non-food and for agricultural food uses. An exemption from tolerance was established in 40 CFR 180.1306 in September 2011.

Producer Information

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VI. Additional Contact Information

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