

***Ampelomyces quisqualis* isolate M-10 (021007)**

Fact Sheet

Summary

Ampelomyces quisqualis isolate M-10 is a fungus that attacks powdery mildew, which is a major crop pest. Pesticide products containing spores of this active ingredient can be used on various fruits, vegetables, and ornamental plants in greenhouses and outdoors. There are no expected adverse effects on humans or the environment when the products are used according to label directions.

I. Description of the Active Ingredient

Ampelomyces quisqualis isolate M-10 was initially isolated from powdery mildew that had infected certain plants in Israel. For commercial use, producers grow the fungus *Ampelomyces quisqualis* isolate M-10 in a liquid nutrient mixture, and then collect and dry the spores. The spores are stored as a dry powder. They are mixed with water to reactivate them, and then the mixture is applied to crops.

II. Use Sites, Target Pests, and Application Methods

- **Use Sites:** Various fruit, vegetable, and ornamental crops, outdoors and in greenhouses.
- **Target pests:** Powdery mildew
- **Application Methods:** Products containing *Ampelomyces quisqualis* isolate M-10 are applied to leaves with ground, hand-held, or aerial spray equipment, and through certain types of sprinkler irrigation systems. Application is permitted throughout the growth cycle, including the day of harvest.

III. Assessing Risks to Human Health

Based on required toxicity tests, no risks to humans are expected from handling or eating food containing small amounts of *Ampelomyces quisqualis* isolate M-10. Applicators are instructed to use appropriate protective equipment, including a respirator to minimize their inhalation of dust or mist.

IV. Assessing Risks to the Environment

When used as directed, *Ampelomyces quisqualis* isolate M-10 presents no known risks to plants, beneficial insects, or other non-target organisms. However, it is not allowed to be applied directly to water or be used in ways that could contaminate water.

V. Regulatory Information

Ampelomyces quisqualis isolate M-10 was initially registered in 1994. As of February 2000, there was one registered pesticide end product using this active ingredient.

VI. Producer Information

Ecogen, Inc.
2005 Cabot Boulevard West #170
Langhorne, PA 19047-1811

VII. Additional Contact Information

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