

***Gliocladium catenulatum* strain J1446 (021009)**

Fact Sheet

Summary

Gliocladium catenulatum strain J1446 is a naturally occurring widespread fungus that can be used to control various fungal diseases in food and non-food crops, indoors and outdoors. The fungus appears to have no adverse effects on humans or the environment.

I. Description of the Active Ingredient

Gliocladium catenulatum strain J1446 is a soil fungus that can be readily grown in the laboratory. It feeds on dead and decaying matter. Researchers believe *G. catenulatum* secretes a chemical that inhibits the growth of other fungi. It does not appear to produce any toxins or antibiotics.

II. Use Sites, Target Pests, and Application Methods

- **Use Sites:** *G. catenulatum* strain J1446 is approved for use indoors and outdoors. It can be used on a wide variety of vegetables, herbs and spices. It can also be used on turf, ornamentals, and on tree and shrub seedlings.
- **Target Pests:** Fungi that cause damping off, seed rot, root and stem rot, and wilt diseases.
- **Application Methods:** *G. catenulatum* is sold as a powder that can be incorporated into soil. When mixed with water, *G. catenulatum* can be sprayed on foliage or made into a dipping solution for cuttings and bulbs. It is generally applied when plants are sown, potted or transplanted; it is reapplied a few weeks later when the plants have emerged.

III. Assessing Risks to Human Health

No harmful health effects to humans are expected from use of *G. catenulatum*. Appropriate tests found no evidence to suggest that the fungus is toxic or infectious to humans. The fungus is ubiquitous in the environment, and people are normally exposed to it. It is unlikely that the approved uses would noticeably increase human exposure.

IV. Assessing Risks to the Environment

Pesticide products containing *G. catenulatum* are not likely to pose a risk to the environment or to any organisms except target fungi. *G. catenulatum* occurs worldwide in many soil types. No adverse effects on the environment have been reported.

V. Regulatory Information

G. catenulatum strain J1446 was registered (licensed for sale) in July 1998 as a pesticide active ingredient. As of February 2002, PRIMASTOP Biofungicide was the only approved product.

On February 1, 2002, outdoor and turf use sites were approved by EPA and added to the label.

VI. Producer Information

MANUFACTURER Kemira Agro OY
Porkkalankatu 3
P.O. Box 330
00101 Helsinki, Finland

UNITED STATES AGENT Ms. Kim Davis
RegWest Co.
30856 Rocky Road
Greely, CO 80631-9375

VII. Additional Contact Information

[Ombudsman, Biopesticides and Pollution Prevention Division](#) (7511P)
Office of Pesticide Programs
Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington, D.C. 20460