

# ***Streptomyces griseoviridis* Strain K61 (129069)**

## **Fact Sheet**

### **Summary**

*Streptomyces griseoviridis* Strain K61 is a soil bacterium that can prevent certain disease-causing fungi from infecting plants. It is not expected to harm humans, other non-target organisms, or the environment.

### **I. Description of the Active Ingredient**

*Streptomyces griseoviridis* Strain K61 is a naturally occurring soil bacterium initially isolated from peat in Finland. It seems to act against disease-causing fungi in at least two ways. By colonizing plant roots before the disease organisms get there, it deprives them of space and nourishment. It also produces several kinds of chemicals that may attack the harmful fungi. (A closely related bacterial species produces the antibiotic streptomycin.)

### **II. Use Sites, Target Pests, And Application Methods**

- **Use Sites:** Certain plants in containers, greenhouses, or in the field.
- **Target pests:** Specific kinds of fungi that cause seed rot, root and stem rot, wilt, and damping off diseases in various food crops, ornamentals, and tree seedlings.
- **Application Methods:** Depending on the plant and other circumstances, the active ingredient can be applied to seeds, to the soil, to roots, to transplants, or as a dip or spray. Because it acts to prevent fungal diseases, rather than to treat them, the active ingredient should be applied before the disease organisms gain a foothold.

### **III. Assessing Risks to Human Health**

Based on results of various studies, *Streptomyces griseoviridis* Strain K61 is not expected to infect humans or to cause harmful effects if ingested. However, users of pesticide products with this active ingredient may experience mild eye and skin irritation, as well as adverse effects on lungs. Therefore, workers are required to wear protective equipment, including a respirator that filters dust and mist.

### **IV. Assessing Risks to the Environment**

This active ingredient is not expected to harm non-target organisms or the environment.

### **V. Regulatory Information**

*Streptomyces griseoviridis* Strain K61 (dried spores and mycelium) was registered as an active ingredient in 1993. As of March 2000, there was one end-product that contained this active ingredient.

## **VI. Producer Information**

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## **VII. Additional Contact Information**

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