

# POWDERY MILDEW

## An Up Close Look At A Big Problem



Powdery mildew attacks a wider variety of plants than any other disease. It is also one of the most easily recognized of all plant diseases. The symptoms are characterized by the presence of white, powdery, thread-like growth on the surfaces of leaves, stems and often flower petals. Infection by powdery mildew causes foliar distortion, defoliation, inhibits photosynthesis, hinders growth and weakens plants.

Microscopic airborne spores land on plant surfaces. At this stage, mycelium grow out from the spores like tubes and spread the disease.



Root-like structures called haustoria burrow into the plant surface and extract nutrients from the plant.

## Causes of Powdery Mildew Infestation

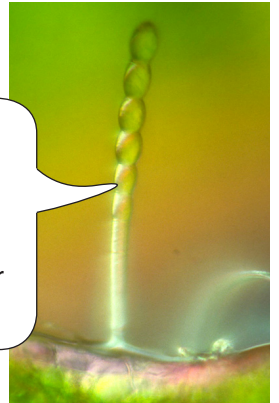
The environmental conditions that are most favorable for disease development are cool temperatures (about 60 F) with high humidity (90-99%). Spores need moisture to germinate whether it's from dew, rain, watering, humidity or even moisture from transpiration.

## HOW GREENCURE® WORKS

### Potassium Bicarbonate Kills Powdery Mildew

The patented GreenCure® formula includes surfactants that enhance the fungicidal properties of potassium bicarbonate and spread and stick the solution to plant surfaces providing maximum disease control.

New spore structures, called conidia, grow out of the mycelium and release more spores into the air during warm, breezy conditions or with indoor air circulation.

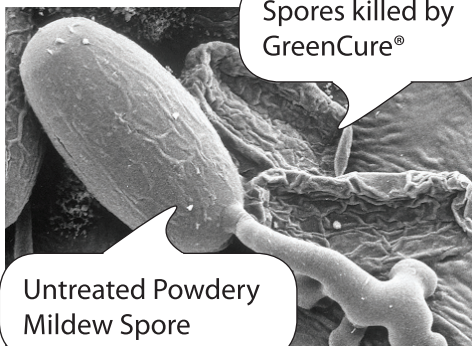


### Control PM

GreenCure splits open and dehydrates mildew spores, mycelium and conidia **killing them on contact.**

### Prevent PM

New spores that land on treated plant surfaces are killed, preventing germination and **breaking the fungal lifecycle.**



Spores killed by GreenCure®

Untreated Powdery Mildew Spore

An electron microscope makes it possible to see how mildew spores are crushed and killed after being treated with GreenCure®.

## Real Science - Real Results

- Developed by Cornell University plant pathologist, Dr. Ken Horst
- Proven effective in 200 university trials and 15 years of organic gardening and agriculture
- GreenCure can be applied to fruits and vegetables up to and including the day of harvest
- For Organic Gardening - USDA's National Organic Program (NOP)
- Does not restrict plant growth, use on ornamentals, vegetables, herbs, fruits and turf
- Compatible with beneficial insects but will kill small insects like mites and aphids if sprayed on them directly
- Odorless spray – no foul smell – no mask required - use indoors or outdoors



For Organic Gardening

[www.GreenCure.net](http://www.GreenCure.net)



GreenCure® is available at:

