

# THE EXPERTS ON DISEASE & PEST CONTROL



## POWDERY MILDEW PROBLEM? CONTROL STRATEGIES

### Background

All species of Powdery Mildew are in the order Erysiphales. *Podosphaera xanthii* is the most common species found. Powdery Mildews require live plant tissue to grow and reproduce.

### Symptoms

The conditions needed for growth and spreading of Powdery Mildew are temperatures between 70 and 80F as well as high humidity at night and low humidity during the day. Greenhouses unfortunately provide an ideal environment. The disease cycle, from when the spore germinates to when new spores form, can be as short as 48 hours. High humidity helps the spores form, while low humidity helps them spread.

### Favorable Development Conditions/Disease Cycle

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### Cultural Control

When possible heat and ventilate late in the day to reduce night humidity. Depending on species, free water on the leaves also slows spore germination so the addition of water to the leaf surface will help slow the spread of Powdery Mildew. Removal of infected leaves will also help with control.

### Fungicide Control

There are number of both Chemical and Bio-Rational fungicide available for effective control of powdery mildew.

# EFFECTIVE SOLUTIONS FOR POWDERY MILDEW



## Affirm WDG



2.4lb [NTS10500324](#)

(Polyoxin D zinc salt) Group 19. Caution. 4hr REI. Rate: 4-8oz/100gal. Contact. Labeled for use in the greenhouse and nursery as well as vegetables.



## Pipron



32oz [SEPRO19-0560](#)

(Piperalin) Group 5. Danger. 12hr REI. Rate: 4-8oz/100gal. Contact. Labeled for use in the greenhouse. See label for tolerant plants, trial before use on anything else.



## Avelo



60oz [BAS59024736](#)

(Mefentrifluconazole) Group 3. Caution. 12hrs REI. Rate: 3-5oz/100gal. Contact. Labeled for use in the greenhouse and nursery.



## Palladium



2lb [SYN38781](#)

(Cyprodinil, Fludioxonil) Groups 9,12. Caution. 12hr REI. Rate: 4-6oz/100gal. Contact and Systemic. Labeled for use in the greenhouse and nursery. Do not use Palladium of leather leaf fern.



## Milstop SP



5lb [BW1M112B04](#) 25lb [BW1M112B06](#)

(Potassium bicarbonate) OMRI. No Group. Caution. 1hr REI. Rate: 1.25-5lbs/100gal. Contact. Labeled for use in the greenhouse and nursery as well as on vegetables, fruits, and herbs. Special directions for use on Poinsettia, Impatiens and Pansy.



## Regalia CG



32oz [MB10084](#) 2.5gal [MB10096](#)

1gal [MB10081](#)

(Reynoutria sachalinensis). OMRI. Group P5. Caution. 4hr REI. Rate: 6-11 oz/100gal. Contact only. Labeled for use in the greenhouse as well as on Vegetables, Fruits, and Herbs.



## Mural



1lb [SYN56731](#)

(Azoxystrobin, Benzovindiflupyr) Group 7, 11. Caution. 12hr REI. Rates: Spray: 4-7oz/100gal, Drench: 2-3oz/100gal. Systemic. Labeled for use in the greenhouse and nursery as well as on vegetables. Please see label for plants to avoid.



## Postiva



28oz [SYN69240](#)

(Pydiflumetofen, Difenoconazole) Group 3,7. Caution. 12hr REI. Rate: 10-28oz/100gal. Systemic. Labeled for use in the greenhouse and nursery as well as vegetables. Celosia might be sensitive to foliar applications.



## OHP 6672 4.5F



2.5gal [OHP986125](#)

(Thiophanate methyl) Group 1. Caution. 12hr REI. Rate: 10-20oz/100gal. Systemic. Labeled for use in the greenhouse and nursery. Do not use on Swedish Ivy, Boston Fern or Easter Cactus.



## Seido



32oz [OHP987340](#)

(Pyriofenone) Group 50. Caution. 4hr REI. Rate: 4-5oz/100gal. Locally Systemic. Labeled for use in the greenhouse and nursery.