

Fact Sheet

POWDERY MILDEW



DATE: May 2020

LOCATION: UC Davis, California



UC Davis greenhouse bioassays evaluated the ability of PureCrop1, *Powered by PureCrop Nanotechnology*, to eradicate existing powdery mildew infections and analyze residual action against reoccurring infections. The test plots were treated once via foliar spray before measuring results at 72 hours, five days, and seven days. **PureCrop1 was found to perform as well as or better than the leading standard and is a viable commercial fungicide.**

KEY TAKEAWAYS



There are no seasonal limitations when using PureCrop1.



PureCrop1 can preform better than leading commercial fungicides.



Apply before mildew develops to prevent plant infection.



Provides protection for up to 10 days after the initial application.

The top graph (*right*) displays the results of the initial set of trials assessing PureCrop1's residual control against powdery mildew in high infection pressure conditions. The bottom graph shows the results of the second lab trial with the same purpose.

Number of Infected Leaves Per Potted Rose Plant

Treatment	72 hrs	5 Days	7 Days
WOC	7	18	21
WOC	7	14	19
NanoCrop .66%	0	0	0
NanoCrop .66%	0	1	2

Treatment	72 hrs	5 Days	7 Days
WOC	3	9	11
WOC	5	14	19
NanoCrop .66%	0	0	0
NanoCrop .66%	0	0	1

**number of infected leaves per potted rose plant were reordered*

DILUTION RATES

Curative treatment:
1.5% v/v rate until control

Preventative care:
0.75% v/v rate every 10-12 days

Adjuvant Use:
1 pt. - 1qt. PureCrop1 / 100 gallons

*FREQUENCY AND DILUTION RATES DEPEND ON THE VARIATION IN CROPS, GROWING METHODS, CLIMATE, AND GEOGRAPHY. ADJUST YOUR IPM PROCESS BASED ON YOUR SPECIFIC NEEDS.



Scan the QR Code to read more about this study!

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