

Case Study – Airoclean420 Air Sanitation vs PM



POWDERY MILDEW

BEFORE IT KILLS YOUR HARVEST

 **NASA DEVELOPED**

 **AiroClean420**
Air Sanitation

 **MADE IN THE USA**

Case Study – Airoclean420 vs PM

Purpose: This study was designed to determine whether Airoclean420 air sanitation technology is effective in reducing the occurrence and spread of powdery mildew.

Client: Vertically integrated multi-state national branded cannabis company with controlling interest in: cultivation, manufacturing, extraction, packaging, and dispensaries.

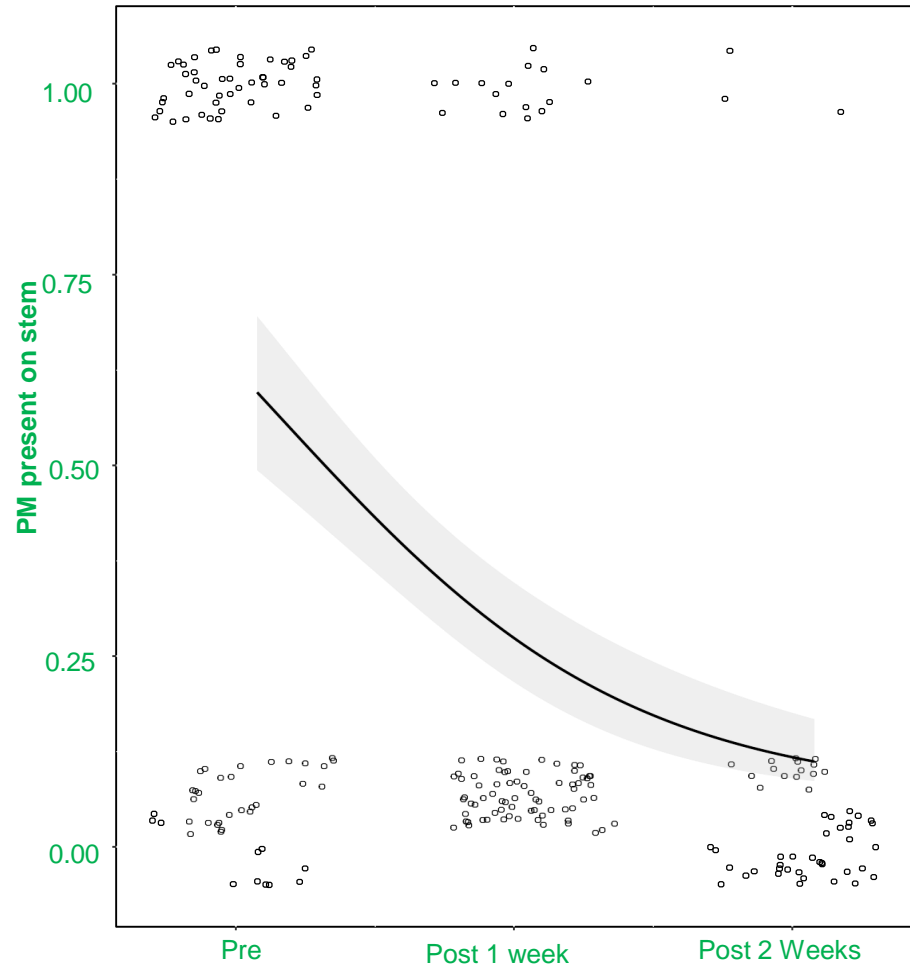
Scope: Work was be performed in an operating cultivation facility from four different cultivars previously observed to be highly susceptible to powdery mildew infection.

POWDERY MILDEW OCCURRENCE ON STEMS & LEAVES

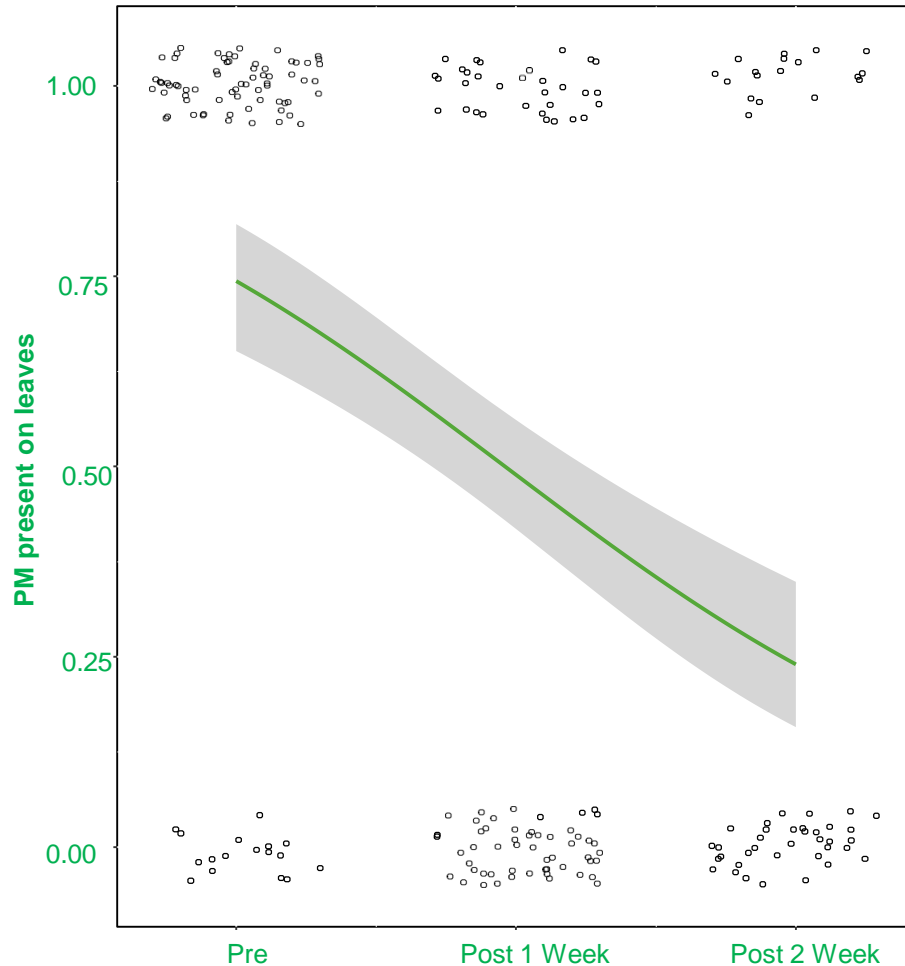
- Visual observation of PM present on leaves & stems on all 86 plants
- Number of Observations across 226 group - 4 strains.
 - Pineapple Express (27 plants)
 - Katsu Bubba Kush (18 plants)
 - Kosher Tangie (27 plants)
 - Chunky Diesel (14 plants)
- Plot actual observed data - Pre Airoclean420 > Post Airoclean420 after 1 week and 2 weeks.
- Airoclean420 significantly reduced PM on stems and leaves within 1 week of use ($p < 0.001$)

RESULTS WITH AIROCLEAN420 IN OPERATION

PM occurrence on stems

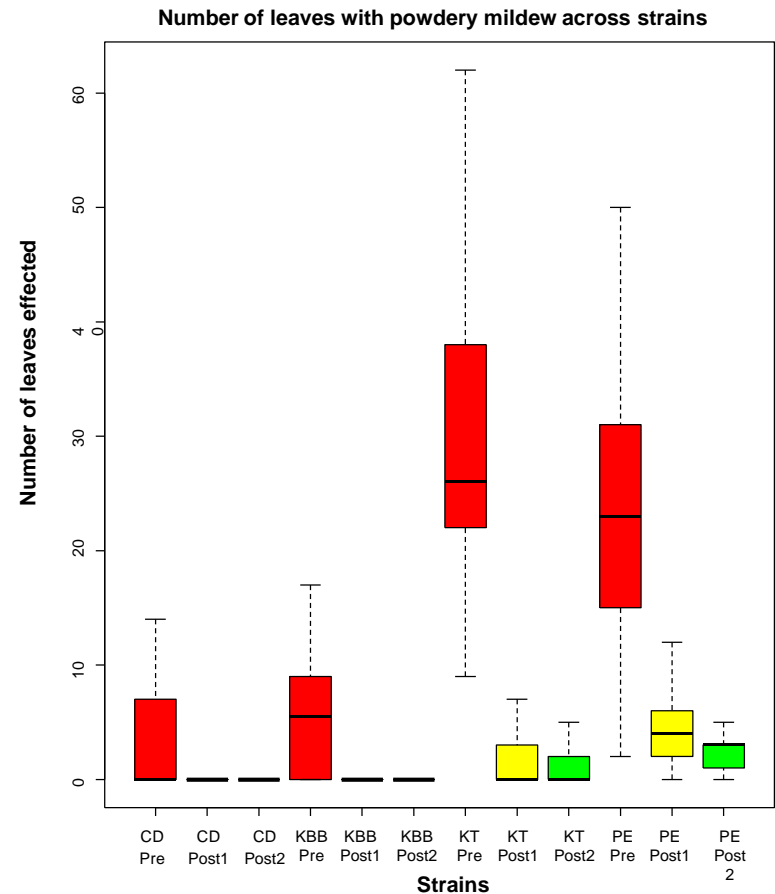
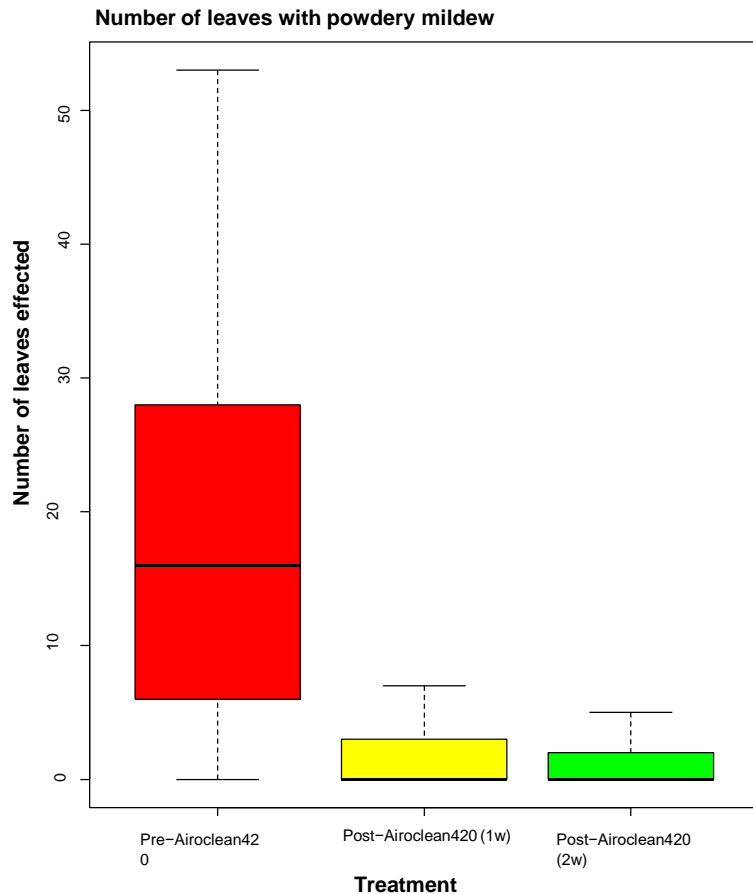


PM occurrence on leaves



RESULTS WITH AIROCLEAN420 IN OPERATION

NUMBER OF LEAVES EFFECTED BY POWDERY MILDEW



CONCLUSIONS AND RECOMMENDATIONS

CONCLUSIONS

- AiroClean420 significantly reduces the occurrence of powdery mildew on leaves and stems therefore enhances our drive for commitment to quality, purity, and consistency.

RECOMMENDATIONS

- Continue operation control with current units and move forward utilizing AiroClean420 Air Sanitation in all other indoor cultivation facilities.

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Complete Research Protocol available upon request to
KES Science & Technology

