

Proud 3[®] Controls *Colletotrichum* on *Sansevieria*

Research Report

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Objective

The objective of this study was to test the efficacy of Huma Gro[®] PROUD 3[®] for the control of the fungal leaf spots and anthracnose diseases caused by *Colletotrichum* sp.

Materials and Methods

The ornamental *Sansevieria* plants were inoculated with the fungal pathogen *Colletotrichum* sp. and placed in randomized complete block design under 73% shade with five replicates per treatments. PROUD 3[®] was applied on a weekly basis for a time-period of 5 weeks at a dilution rate of 1:100.

Disease incidence (number of leaf spot per plant) and severity (average visual estimate of the percentage of leaf area affected) were collected at 0, 7, 14, 28, and 40 days after application. The analysis of variance (ANOVA) was determined using SAS v. 9.4.

Results

Huma Gro[®] PROUD 3[®] significantly decreased the incidence by 4.5 times and severity by 2.5 times of anthracnose disease on *Sansevieria* plants at $P \leq (0.05)$ (Figure 1).

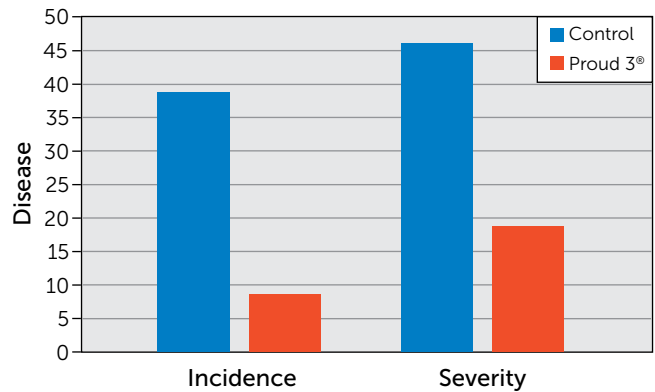


Figure 1. The incidence and severity of anthracnose disease on *Sansevieria* plants.

Conclusion

Huma Gro[®] PROUD 3[®] demonstrated efficacy for the control of fungal leaf spot and anthracnose diseases caused by *Colletotrichum* sp. on *Sansevieria* plants.