

NATURE SAFE® RESEARCH

UNIVERSITY RESEARCH DATA

TITLE: Preventative Control of Dollar Spot with Selective Fungicides in Combination with Nature Safe Natural and Organic Fertilizer

TEST CONDUCTED BY: Rutgers University, Dr. B.B. Clarke and P. Majumdar and W. Hlubik

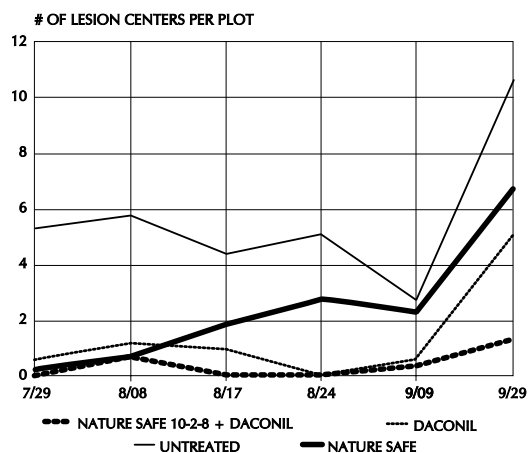
I. Introduction and Procedures

Results of previous trials have indicated a synergistic or complimentary effect when the fungicide Banner® was used on turf fertilized with Nature Safe Fertilizer. This trial replicated earlier findings as well as examined the effect of other fungicides used in combination with Nature Safe on bentgrass greens.

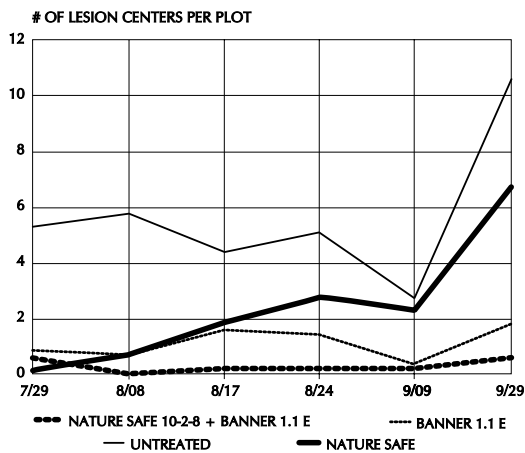
Turf was fertilized with 1.0 lb. actual N per 1000 sq. ft. on 4/29, with 0.5 lb. actual N on 5/10 and again on 7/26. Turf was irrigated as needed to avoid drought stress. Plots were arranged in a randomized complete block design with four replications. Fungicides were applied to the plots at manufacturer's recommended application schedules starting 6/9 and continuing to 8/4. Plots were artificially inoculated on 6/4 with *S. homoeocarpa* to supplement natural infection. Treatments were visually evaluated for number of dollar spot lesion centers per plot every 7-10 days from 6/16 to 9/29. Ratings exceeding nine lesion centers per plot would be considered unacceptable.

II. Test Results

DOLLAR SPOT



DOLLAR SPOT



All treatments provided excellent control of dollar spot. Only infestation on 9/29 resulted in significant damage to untreated turf. Both Daconil® and Banner performance increase when used in combination with the Nature Safe Fertilizer. The plots did very well as infestation increased in September.

III. Conclusion

The effectiveness of Banner and Daconil can be improved when Nature Safe is used in a regular fertility program.