Worm Power Turf Recovery Trial

Background & Methods

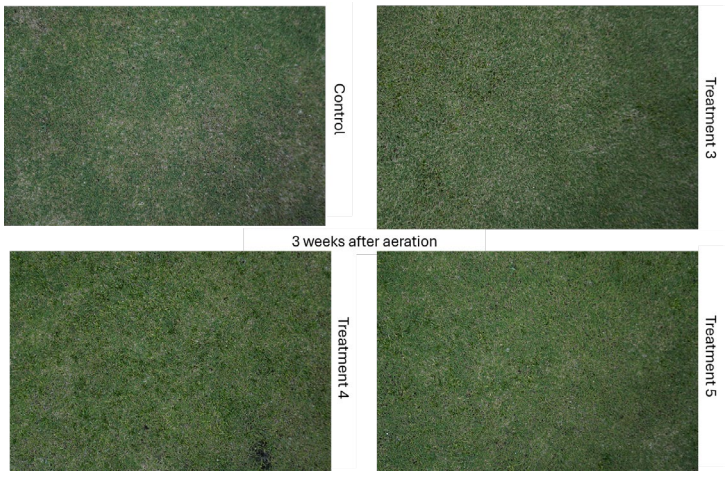
Worm Power has been shown to increase recovery and establishment in turf. The trial was conducted on 10-year-old ultradwarf bermudagrass greens located at the University of Florida's Fort Lauderdale Research and Education Center. The putting green root zone consisted of a 90:10 (sand:peat) root zone that conformed to the US Golf Association (USGA) recommendations.

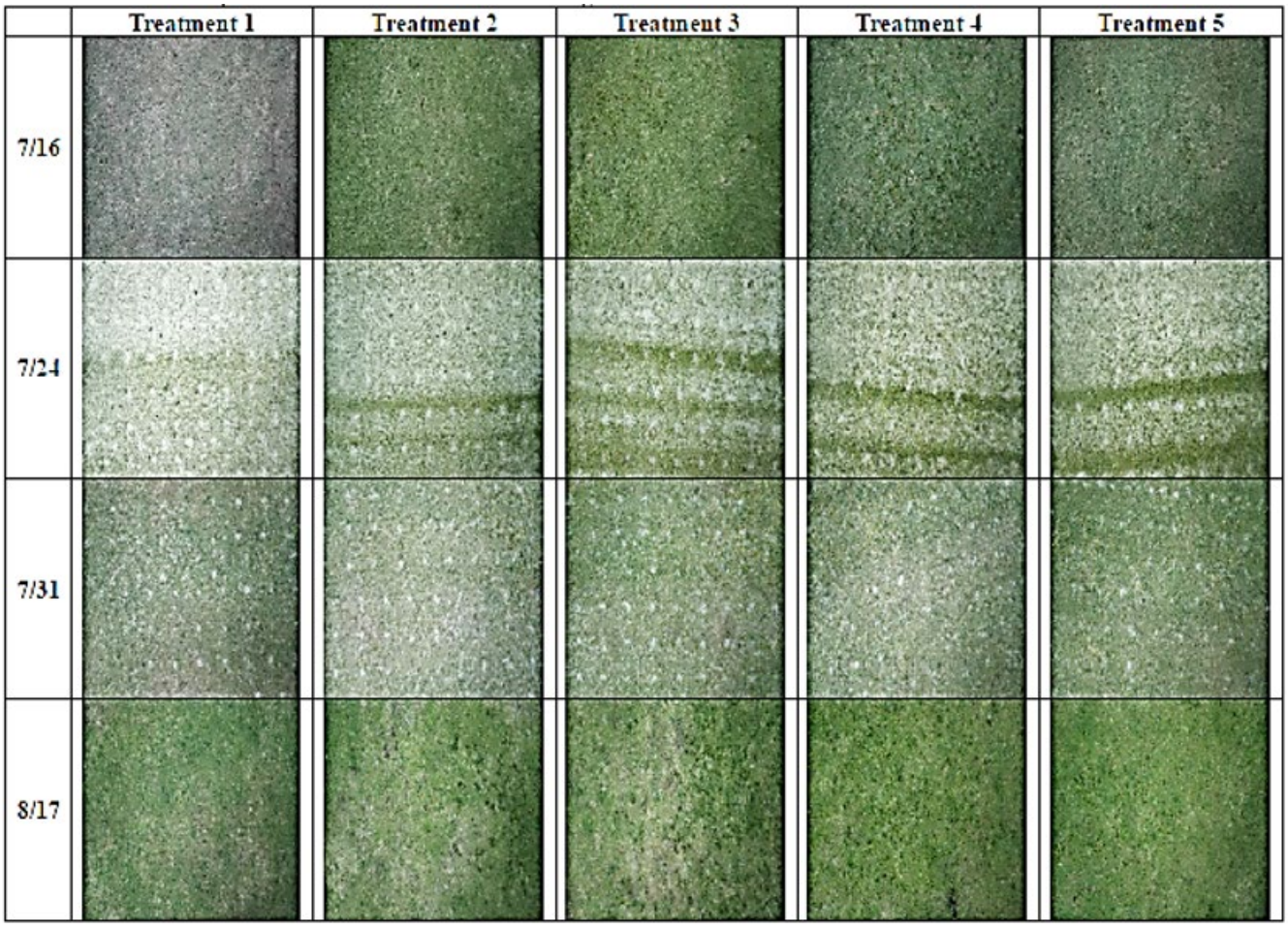
Treatments were applied seven days before aeration (July 16th) and one day after aeration (July 24th) and watered in with a 5-minutes irrigation cycle. Turf was mowed every other day at 0.125 in. Area was irrigated daily to prevent drought stress (water pH=7.78). Turf quality was measured on a scale of 1-9. Normalized Difference Vegetation Index (NDVI) was assessed using a RapidSCAN CS 45, percent green cover and Dark Green Color Index (DGCI) and Percent Cover (PC) were assessed through Digital Image Analysis.

Treatment	Products	Rate
1	Untreated control Urea	- 0.1 lb
2	Worm Power Urea Soil surfactant	1 gal/acre 0.1 lb 4 oz/1000ft^2
3	Worm Power Urea Soil surfactant	2 gal/acre 0.1 lb 4 oz/1000ft^2
4	Worm Power Urea Soil surfactant	2.5 gal/acre 0.1 lb 4 oz/1000ft^2
5	Worm Power Organic fertilizer Soil surfactant	2 gal/acre 0.4 lb 4 oz/1000ft^2

Results

- Both 2 GPA rates and the 2.5 GPA rate saw an increase of 5% in visual quality ratings at 4 weeks after aeration.
- All Worm Power treatments were rated higher in percentage of Greens Coverage than the control at 4 weeks after aeration.





Application

Incorporate Worm Power into your turf aeration program to improve recovery and increase root development. Worm Power is compatible with both organic and synthetic fertilizer programs and with soil surfactants. A spray volume of 80 gallons is recommended followed by a full irrigation cycle after application. For best results, continued use of Worm Power throughout the growing season is recommended.



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