Microdochium Patch (*Microdochium nivale*)

This curative study was established on a bentgrass green at the Hancock Turfgrass Research Center on the MSU campus in a location where Microdochium patch was beginning to develop. The study consisted of 4 replicate 2' x 6' plots laid out in a random block design. Treatments were applied initially on May 5, 2000 using a single nozzle CO_2 backpack sprayer at 30 PSI and 48 GPA. Treatments were reapplied on a 7 and 14 day interval as cited in Table 9. Data were analyzed using ANOVA and means separated with LSD (p=0.05).

As the table indicates, weekly ratings show increasing disease pressure in the control plots throughout the study duration. Statistical analysis of treatment ratings indicates that every treatment gave significant control of Microdochium patch to the extent of promoting virtually full recovery by the June 9 rating. No phytotoxicity was observed during the course of the study.

Table 9. Microdochium patch, Hancock Turfgrass Research Center
Rating Scale = Mean % recovery from initial rating

Treatment Rate/1000 sq ft	Interval (Days)	12-May[a]	19-May	30-May	2-Jun	9-Jun
Pentathlon DF 3 oz	7	-22 a	5 a	73 a	65 a	98 a
Pentathlon DF 4 oz	7	-20 a	11 a	71 a	85 a	98 a
Concorde SST 720L 2.125 fl oz	7	-25 a	-17 a	77 a	80 a	98 a
Concorde SST 720L 3.5 fl oz	7	-30 a	-17 a	50 a	75 a	99 a
Chipco 26GT 4 fl oz	14	-35 a	8 a	66 a	83 a	97 a
Control	--	-71 b	-80 b	-95 b	-81b	-83 b

[a] Treatment means followed by the same letter are not significantly different from each other at the 5% level (LSD).