

Rutgers Bentgrass Dollar Spot Trial 2010

Objective: To evaluate the effects of OceanSolution™ in preventative control of the fungus Dollar Spot in Creeping Bentgrass Fairway in conjunction with a reduced rate of a common synthetic fungicide.

Trial Location: Rutgers University School of Environmental and Biological Sciences.

Trial Dates: May 26- August 26, 2010

Investigators: B. Clarke, Majumdar, Pitonak, Peacos, Horton, Fitzgerald, Dickson, and J. Clark.

Results:

Chemical	Product Rate / 1000 sq ft	Applic Sch ²	# of lesion centers per plot					Turf Rating (1-9) 20-Aug
			3-Jul	15-Jul	26-Jul	5-Aug	19-Aug	
OceanSolution	3.0 fl oz	-	-	-	-	-	-	-
Daconil								
Ultrax								
82.5WDG	1.8 oz	14 day	1.3	3	38.8	0	11.3	7.3
+ Banner								
MAXX								
1.3ME	1.0 oz	21 day	4.8	5	2.5	1.8	15	5.5
+ Banner								
MAXX								
1.3ME	1.0 oz	-	-	-	-	-	-	-
Daconil								
Ultrax								
82.5WDG	3.78 oz	21 day	4.8	5	2.5	1.8	15	6
Tartan 2.4 SC	1.5 fl oz	14 day	0	0	1.8	0.5	12	4.8
Iprodione Pro								
2SE	4.0 fl oz	14 day	5	0.5	1	2	29.5	4
UTC	-	-	36.3	12	23.8	24.8	40.5	5.5

Conclusions: When OceanSolution was used in combination with a half rate Daconil Ultrax 82.5WDG to combat Dollar Spot, the treated turf was judged to be of the highest quality (7.3 out of 9) of all the 60 total treatments. When a full rate of Daconil was combined with Banner Maxx, another standard synthetic fungicide the OS treatment still decreased the number of lesions of Dollar Spot by 25% and increased the judged overall quality of the grass by roughly 22%. Additionally, the OS treatment was found to cost less than several of the treatments that did not perform as well. This result appears to indicate that OceanSolution may have the auxiliary benefit of assisting in the control of harmful fungi.



