

## Rutgers Bluegrass Anthracnose Trial 2010

**Objective:** To evaluate the effects of OceanSolution™ in preventative control of the fungus Anthracnose in annual bluegrass in conjunction with a reduced rate of a common synthetic fungicide.

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

**Trial Dates:** May 18- August 19, 2010

**Investigators:** B. Clarke, Majumdar, Fitzgerald, Pitonak, Peacos, Horton, Lawson, Schmid, Hempfling, Roberts, Dickson, J. Clark, and Beirn.

### Results:

Chemical	Product Rate / 1000 sq ft	Applic Sch <sup>2</sup>	Turf Area Infested (%)/ plot					Turf Rating (1-9) 20-Aug
			3-Jul	15-Jul	26-Jul	5-Aug	19-Aug	
OceanSolution Daconil Ultrex 82.5WDG	3.0 fl oz	-	-	-	-	-	-	-
Daconil Ultrex 82.5WDG	1.8 oz	7 day	9.3	10.8	10.5	15.8	20.3	5.0
Daconil Ultrex 82.5WDG	1.8 oz	14 day	20.8	12.3	18.8	28.8	71.5	4.3
Chipco Signature 80WG Daconil Ultrex 82.5WDG	4.0 oz	-	-	-	-	-	-	-
Daconil Ultrex 82.5WDG	3.2 oz	14 day	11	8	2.5	17.3	19.8	5.3
Daconil Ultrex 82.5WDG	3.2 oz	14 day	28.3	21	17	32	30.3	4.5

**Conclusions:** When OceanSolution was used in combination with Daconil Ultrex 82.5WDG, the results were almost identical to the same amount of Daconil combined with a common synthetic fungicide (Chipco Signature 80WG). Compared with the full rate of the synthetic fungicide, the OS treatment decreased the percentage of grass infested with anthracnose by 10% and increased the judged overall quality of the grass by roughly 10%. This result appears to indicate that OceanSolution may have the ability to assist plants in mitigating disease resistance and in the control of harmful fungi.

