

Stop 4

Crown Rot Anthracnose on *Poa annua*

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Crown rot anthracnose, caused by *Colletotrichum graminicola*, is a devastating disease that attacks annual bluegrass, and occasionally bentgrass. Traditionally, it has been a problem on annual bluegrass fairways, but recently has emerged as a disease on greens as well. The pathogen infects the crowns of plants, turning them a charcoal black color and, as a result of the damage to crowns, recovery of infected plants is often slow. Low fertility, low mowing heights, and excess moisture contribute to this problem. The pathogen can also infect foliage where tiny, black, spiny structures can sometimes be observed with the naked eye. The foliar infections normally recover more quickly than the basal rot infections.

At this stop, preventive and curative treatment options will be discussed. Differences in disease control between treatments will be observed.

Crown Rot Anthracnose - 2003		
	Treatment and Rate/1000 sq ft	Int. (Days)
1	Insignia 20WG 0.5 oz	14
2	Insignia 20WG 0.5 oz + Propiconazole Pro 1.3MC 1 fl oz	14
3	CJB EXP 0214 2 fl oz	21
4	CI 3336 F 4 fl oz	14
5	CI 3336 WP 4 oz + Alude 5.5 fl oz	14
6	Endorse 4 oz	14
7	Endorse 6 oz	14
8	Endorse 4 oz + Alude 5.5 fl oz	14
9	Spectro 4 oz	14
10	Spectro 4 oz + Alude 5.5 fl oz	14
11	Lesco T-Storm 3.55 fl oz	14
12	EcoGuard 20 fl oz	14
13	EcoGuard 20 fl oz alt Ultrex 3.25 oz	14
14	Ultrex 3.25 oz alt EcoGuard 20 fl oz	14
15	Medallion 0.25 oz	14
16	Medallion 0.33 oz	14
17	Medallion 0.5 oz	14
18	Daconil Ultrex 3.2 oz + Banner Maxx 1 fl oz	14
19	Banner Maxx 1 fl oz + Medallion 0.25 oz	14
20	Banner Maxx 2 fl oz	14
21	Daconil Ultrex 3.2 oz	14
22A	Banner Maxx 2 fl oz + Daconil Ultrex 1.8 oz	2-Jul
22B	CI 3336 WP 4 oz + Daconil Ultrex 1.8 oz	18-Jul
22C	Subdue Maxx 1 fl oz + Medallion 0.25 oz + Daconil Ultrex 3.2 oz	1-Aug
22D	Heritage 0.4 oz + Daconil Ultrex 3.2 oz	15-Aug
22E	Medallion 0.25 oz + Daconil Ultrex 3.2 oz	29-Aug
22F	Heritage 0.4 oz + Banner Maxx 1 fl oz	12-Sep
22G	Heritage 0.4 oz + Banner Maxx 1 fl oz	26-Sep
22H	Banner Maxx 1 fl oz + Daconil Ultrex 3.2 oz	10-Oct
23	Heritage 0.4 oz	28
24	AND3124 4#	14
25	AND3125 4#	14
26	AND3126 4#	14
27	AND3127 4#	14
28	Heritage 0.2 oz	14
29	Control	---

Crown Rot Anthracnose - HTRC 2003

Host: Annual bluegrass

Plot size: 6' x 6'

Replications: 4

Fertility: 1/4# N/1000 sq ft/mo or as needed

Spray volume: 2 gal/1000 sq ft

Background treatment: Chipco 26GT 4 oz/1000 sq ft

Height of cut: 0.130 "

	A	B	C	D	E	F	G	H	I
1	1	XXX	XXX	2	XXX	XXX	XXX	XXX	3
2	XXX	7	XXX	6	5	4	XXX		XXX
3	8	XXX	XXX	XXX	9	10	11	XXX	12
4	XXX	XXX	XXX	XXX	XXX	13	XXX	XXX	XXX
5	14	15	XXX	XXX	XXX	XXX	XXX	XXX	16
6	25	24	23	22	21	20	19	18	17
7	26	27	28	29		14	24	2	13
8	4	17	11	16	26	7	10	28	23
9	9	3	1	15	XXX	XXX	21	5	19
10	6	12	8	XXX	XXX	18	25	22	27
11	11	20	2	25	13	29		15	20
12	21	9	XXX	16	4	8	XXX	6	14
13	10	29	7	19	23	XXX	1	3	26
14	22	18	28	17	5	XXX	27	12	24
15		13	17	XXX	24	XXX	XXX	XXX	XXX
16	4	2	8	10	29	XXX	21	XXX	28
17	12	14	1	XXX	XXX	XXX	6	18	22
18	5	3	XXX	XXX	XXX		11	20	15
19	19	16	7	23	26	XXX	25	9	27