

**Table 14. Take All Patch Golf Club of Michigan, Brighton, MI.**

Rating Rate: 7/21/01							
Quality Rating Scale: 10 (best), 0 (worst), 7 (acceptable).							
Treatment	Rate/1000ft <sup>2</sup>	Intervals	I	II	III	IV	Mean
Urea	1/2 lb N/14 days	May, June, July, Aug <sup>a</sup>	7	8	8	8	7.8
Nutralene	1 lb. N	May, July <sup>b</sup>	8	6	8	8	7.5
Heritage	0.4 oz	May, June (2 applications) <sup>c</sup>	8	7	7	7	7.3
Insignia	0.9oz	May, June, July, Aug <sup>d</sup>	7	7	7	7	7.0
Urea	1/2 lb.N	May, June, July, Aug <sup>d</sup>	7	7	7	7	7.0
Eagle	1.2 oz	28 days <sup>d</sup>	7	8	6	7	7.0
SyseTec	5.0 oz	14 days <sup>a</sup>	6	8	7	7	7.0
Honor	0.2oz	May, June, July, Aug <sup>c</sup>	6	7	7	7	6.8
Eagle	0.6oz	14 days <sup>a</sup>	6	7	7	7	6.8
Nitroform	2 lb. N	May only <sup>f</sup>	6	7	6	7	6.5
Lebanon 18-3-18	2 lb. N	May, June, July, Aug <sup>d</sup>	8	6	6	6	6.5
Sys Star WDG	3.0 oz	14 days <sup>a</sup>	7	6	6	7	6.5
Nutralene	2 lb. N	May only <sup>f</sup>	6	6	6	7	6.3
Nutralene (40%)	1/2 lb.N	May, June, July, Aug <sup>d</sup>	7	5	5	7	6.0
Lebanon 18-3-18	1/2 lb. N	May, June, July, Aug <sup>d</sup>	6	6	5	7	6.0
Control	-	-	5	7	6	5	5.8
Nitroform	1 lb. N	May, July <sup>b</sup>	7	5	5	5	5.5
Nitroform (38%)	1/2 lb. N	May, June, July, Aug <sup>d</sup>	5	5	5	6	5.3

<sup>a</sup>Treatments applied on 5/17, 5/31, 6/14, 6/27, 7/11, 7/27, 8/8, and 8/21.

<sup>b</sup>Treatments applied on 5/17 and 7/11.

<sup>c</sup>Treatments applied on 5/17 and 6/14.

<sup>d</sup>Treatments applied on 5/17, 6/14, 7/11, and 8/8.

<sup>e</sup>Treatments applied on 5/17, 6/14, 7/11, and 8/21.

<sup>f</sup>Treatments applied on 5/17 only.

## **DOLLAR SPOT (*RUTSTROEMIA FLOCCOSUM*)**

### **Study A**

Study A was set up in four replicates of a random block design with 2' x 4.5' plots. We applied the liquid treatments with a CO<sub>2</sub> backpack sprayer with a single nozzle (flat fan 8002E TeeJet) boom at 34 psi and 48 GPA. Granular treatments were pre-weighed and hand applied. The host was Emerald creeping bentgrass mowed at 3/16". Fertility was maintained at 3/8 # N/month/1000 ft<sup>2</sup>. Treatments were applied on intervals as listed in Table 15. Treatments on a 3 day interval were applied on: 8/3, 8/6, 8/10, 8/14, 8/18, 8/24, 9/1, 9/7, 9/11, 9/14, and 9/17. The 7 day treatments were applied on 8/3, 8/10, 8/18, 8/24, 9/1, 9/7, and 9/14. The 14 day treatments were applied on 8/3, 8/18, 9/1, and 9/14. The 21 day treatments were applied on 8/3, 8/24, and 9/14. The 28 day treatments were applied on 8/3 and 9/1. Data represent mean percent plot area infected (Table 15).

As the data in Table 15 indicates, dollar spot disease pressure was moderate in this study. Most of the fungicides tested provided significant control of dollar spot on all three rating dates compared to the untreated control. This efficacy was exhibited in the face of increasing disease pressure through the disease peak around 9/22.

**Table 15. Putting Green Dollar Spot, Study A – 2001.**

<b>Hancock Turfgrass Research Center, East Lansing, MI</b>					
<b>Rating Scale: Mean percent area blighted by dollar spot.</b>					
<b>Treatment Rate/1000 sq ft</b>	<b>Interval (Days)</b>	<b>Mean<sup>a</sup> 9/1</b>	<b>Mean 9/14</b>	<b>Mean 9/22</b>	<b>Mean Quality 9/22</b>
Ch 26 GT 4.0 fl oz	14	0.1i	0 o	0.0g	7.0cd
Chipco Triton 0.75 fl oz	14	0.1i	0 o	0.0g	7.5c
Chipco Triton 1.0 fl oz	14	0.1i	0 o	0.0g	8.0bc
Banner Maxx 1.0 fl oz	14	0.0i	0 o	0.0g	8.0bc
Honor 50WG 0.2 oz	14	0.0i	0 o	0.0g	8.0bc
Honor 50WG 0.2 oz alt with Chipco Triton 2.0 fl oz	14	0.4i	0 o	0.0g	7.5c
BAS 510 F 70WG 0.13 oz	14	0.1i	0 o	0.0g	7.8bc
BAS 510 F 70WG 0.18 oz	28	0.7i	0 o	0.0g	7.5c
Concorde SST 720 g /l ai	14	4.1ih	0.1 o	0.0g	8.0bc
Eagle 40WP 0.6 oz	14	0.3i	0 o	0.0g	7.8bc
XF-00044 3.5 oz	14	0.0i	0 o	0.0g	8.0bc
XF-00023 4 oz	14	1.9ih	0.1 o	0.0g	7.8bc
XF-00024 2.5 oz	14	3.0ih	0.1 o	0.0g	8.8ab
XF-00103 4 oz	14	0.9i	0 o	0.0g	9.3a
Dac Ultrex 3.2 oz	14	2.8ih	0 o	0.0g	7.8bc
Banner Maxx 1.0 fl oz + Dac Ultrex 3.2 oz	21	0.5i	0 o	0.0g	8.0bc
Banner Maxx 1.0 fl oz + Heritage 0.2 oz	21	2.7ih	0 o	0.0g	8.0bc
Medallion 0.25 oz + Dac Ultrex 1.8 oz	14	0.9i	0 o	0.0g	7.8bc
Chipco Triton 2.0 fl oz	21	0.0i	0 o	0.1g	7.8bc
Honor 50WG 0.2 oz	28	5.3ih	0 o	0.6g	7.8bc
Spectro 90WDG 4 oz	14	2.5ih	0.9 o	0.8g	8.0bc
Banner Maxx 1.0 fl oz	21	11.8f-h	3.3 m-o	1.0g	7.5c
Concorde DF (82.5% ai)	14	7.5ih	1.9 no	1.4g	7.5c
XF-00059 4 lb	14	23.8c-e	8 l-o	4.0gf	7.0cd
SysStar WDG 3.0 oz	14	7.5ih	11.8 k-n	12.5ef	6.0de
SysTec 1998 1.5 oz	14	10.0g-h	13 k-m	11.75ef	5.8ef
710-140 15 fl oz	3*	22.5de	20 f-k	16.3de	6.3de
710-140 20 fl oz	7	23.0de	18.8 g-k	16.3de	6.0de
140 Base 20 oz	7	10.0g-I	14.0 j-l	16.3de	6.3de
710-140 15 fl oz	7	24.3c-e	15.5 i-l	18.0de	5.3e-h
710-140 10 fl oz	3*	21.3d-f	16.3 h-l	23.8dc	6.0de
0.1 # Urea	3*	28.8a-e	26.3 d-h	23.8dc	5.5e-g
710-140 5 fl oz	3*	30.5a-d	28.8 b-g	28.8bc	4.5g-i
710-140 10 fl oz	7	30.0a-d	24.3 e-j	28.8bc	4.8f-g
710-145 C	7	23.75c-e	28.8 b-g	30.0a-c	4.5g-i

Endorse 6 oz	14	27.5a-e	27.5 c-g	30.0a-c	4.0i-k
710-145 E	7	23.75c-e	27.5 c-g	30.0a-c	3.75i-k
710-140 5 fl oz	7	30.0a-d	31.3 a-e	35.0ab	4.0i-k
710-140 20 fl oz	14	30.0a-d	31.3 a-e	31.3a-c	4.5g-I
Turf Vigor 20 fl oz	14	25.0c-e	28.8 b-g	31.3a-c	4.5g-i
TD 2390 6 oz	14	35.0ab	38.8 ab	31.3a-c	4.5g-i
710-145 B	7	23.8c-e	28.8 b-g	31.3a-c	4.5g-i
0.1 # Urea	7	31.2a-d	26.3 d-h	31.3a-c	4.3h-j
Untreated Control	--	19.3e-g	25 d-i	32.5a-c	4.3h-j
Turf Vigor 20 fl oz	7	33.7abc	33.8 a-e	33.8a-c	4.3h-j
710-145 D	7	25.0c-e	35 a-d	35.0ab	3.75i-k
710-145 F	7	35.0 ab	37.5 a-c	37.5ab	3.0k
710-145 A	7	36.3 a	41.3 a	38.8ab	3.3jk
Endorse 4 oz	14	31.3a-d	30 b-f	40.0a	4.3h-j

<sup>a</sup>Means followed by the same letter do not significantly differ (LSD, p = 0.05).

<sup>b</sup>Quality rating scale: 10 = best, 0 = worst, 7 = acceptable.