

**1998 Brown Patch Field Trial**

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Brown patch is caused by the fungus *Rhizoctonia solani*. It is culturally managed by reducing the amount of nitrogen applied just before and during hot, humid weather, and by removing guttation water early in the morning. Low to moderate fertility is best.

The 1998 field season proved to be ideal for conducting a brown patch field test. The disease was encouraged in our plot area. Fertility was maintained at 1# N per 1000 sq ft per month. Plots were inoculated with *Rhizoctonia* growing on a sand/cornmeal mixture and were covered with plastic greenhouse plant trays at night in order to maintain high levels of humidity on the plots. Treatments were applied beginning on June 16, 1998 and were reapplied according to the intervals specified by company protocols. Two sets of treatments were applied curatively, after the onset of disease symptoms. Treatments 19 - 28 below (Curative A) were applied on June 29, 1998 and treatments 47 - 56 (Curative B) were applied on July 13, 1998.

<u>Treatment</u>	<u>Rate/1000 sq ft</u>	<u>Application Interval</u>
1. AMV 300	1 fl oz	14 day
2. Proprietary	--	--
3. Proprietary	--	--
4. Proprietary	--	--
5. Proprietary	--	--
6. Proprietary	--	--
7. Proprietary	--	--
8. Proprietary	--	--
9. Proprietary	--	--
10. Ch 26GT + 3336 WP	2 fl oz + 2 oz	14 day
11. 3336 WP	4 oz	14 day
12. Spectro WDG	8 oz	14 day
13. WAC 75	3 oz	14 day
14. WAC 76	3.3 oz	14 day
15. Proprietary	--	--
16. Proprietary	--	--
17. Proprietary	--	--
18. AMV 300	0.5 oz (init. 7/2)	14 day
19. Ch 26GT	2 fl oz (Curative A)	14 day
20. Ch 26GT	3 fl oz (Curative A)	14 day
21. Ch 26 GT	4 fl oz (Curative A)	14 day
22. Proprietary	--	--
23. Proprietary	--	--
24. Proprietary	--	--
25. EXP 80318C	0.5 fl oz (Curative A)	14 day
26. EXP 80318C	1 fl oz (Curative A)	14 day
27. Heritage	0.2 oz (Curative A)	14 day
28. Heritage	0.4 oz (Curative A)	21 day
29. Echo 720	4.2 fl oz	14 day
30. Echo 75 WDG	4.2 oz	14 day
31. Dac. Ultrex	3.8 oz	14 day
32. Eminent (tetra)	4 fl oz	21 day

33. Eminent Star	6 oz	14 day
34. Daconil Weather Stik	4.2 fl oz	14 day
35. Heritage	0.2 oz	14 day
36. Heritage	0.4 oz	28 day
37. QST 713	5g/L	7 day
38. QST 713	10g/L	7 day
39. QST 713	20g/L	7 day
40. Prostar 70 WP	2.25 oz	21 day
41. Prostar 50 WP	3 oz	21 day
42. Prostar 70 WP + Dac 2787	1.5 oz + 4.9 fl oz	14 day
43. 3336 F	4 fl oz	14 day
44. Control	--	--
45. CGA 279,202	0.15 oz (/2 gal)	14 day
46. CGA 279,202	0.1 oz (/2gal)	21 day
47. Ch 26GT	2 fl oz (Curative B)	14 day
48. Ch 26GT	3 fl oz (Curative B)	14 day
49. Ch 26 GT	4 fl oz (Curative B)	14 day
50. Proprietary	--	--
51. Proprietary	--	--
52. Proprietary	--	--
53. EXP 80318C	0.5 fl oz (Curative B)	14 day
54. EXP 80318C	1 fl oz (Curative B)	14 day
55. Heritage	0.2 oz (Curative B)	14 day
56. Heritage	0.4 oz (Curative B)	21 day

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Hancock Turfgrass Research Center, E. Lansing, MI**

East

	A	B	C	D	E	F	G	H	I	J	K	L	M
<b>1</b>		1	36	37	13	27	3	1	28	3	29	7	27
<b>2</b>	53	2	35	38	6	46	51	5	36	7	8	38	52
<b>3</b>	49	3	34	39	56	29	48	9	23	12	47	35	20
<b>4</b>		4	33	40	24	18	14	13	42	16	13	2	12
<b>5</b>	51	5	32	41	42	38	41	30	27	17	41	24	6
<b>6</b>	48	6	31	42	21	22	23	22	47	32	33	14	48
<b>7</b>		7	30	43	16	1	45	40	55	39	19	46	18
<b>8</b>		8	29	44	35	5	50	33	18	29	9	42	10
<b>9</b>		9	28	45	55	11	34	37	52	49	11	43	30
<b>10</b>	54	10	27	46	4	12	8	31	43	21	37	23	34
<b>11</b>	50	11	26	47	40	28	43	45	54	34	25	1	39
<b>12</b>		12	25	48	37	52	39	24	38		45	56	55
<b>13</b>		13	24	49	44	2	36	41	53	25	22	51	28
<b>14</b>		14	23	50		25	26	19	35	50	4	36	44
<b>15</b>		56	22	51	17	47	19	56	20	14	31	5	16
<b>16</b>		16	21	52	54	32	20	11	46	10	17	21	
<b>17</b>		17	20	53	7	31	9	8	26	6	53	26	3
<b>18</b>	55	18	19	54	33	30	10	4	44	2	40	49	32

West