

Pathological Pointers

Snow Mold 1981-82

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Test plots for snow mold management were applied at International Falls, October 15, Duluth, October 20, Detroit Lakes, October 27, Rochester, October 30, and Hopkins, November 2. One additional plot was planned for Roseau; however, travel plans were disrupted and weather prevented a second trip. Late treatments were also expected at Hopkins but early snow which remained prevented those late applications. However, all was not lost even if on May 17 the test plot at Detroit Lakes had no evidence of disease and was nicely recovered from any chemical burn.

A fairway study at Oak Ridge included nine treatments, several which were to be applied the day winter arrived. Since no late applications were applied the question of time of application still remains but on April 1, clear differences were observed. Untreated checks averaged 74.2% disease while PCNB 4 oz/1000 sq. ft. was 4% disease. PMA at 1 + 2 Fl oz. averaged 6.75 + 3.25% disease. Thiram 4 oz. averaged 48.75 while Thiram 4 oz. plus PCNB 4 oz. was the best plot - colorwise, averaging 2% disease. PMA 1 Fl oz plus Thiram 4 oz plus PCNB 4 oz had no disease in any of the four replicates. The first chemical fairway test with moderate disease pressure may point the way to better fairway winter disease management.

On April 13, 31 treatments at Mendota Heights were observed, untreated Checks averaged a low 19% disease. Most treatments, even low rates provided adequate disease control. Notable exceptions were 26019, Daconil 8 oz plus 1991 2 oz, and PMA 1 Fl oz. The granules Turfcide 5 lbs and two OM Scott experimentals also were poor performers.

Twenty-seven treatments at Rochester were observed April 17. Untreated Checks averaged only 12% disease and Tersan SP 5 oz, 1991 2 oz, Daconil 16Fl oz, 26019 2 oz, PMA 1 Fl oz, and Turfcide 5# were judged as failures.

The plot at International Falls while not large was beautiful, only granules were applied, untreated Checks were 100% diseased. The best single treatment was Calogran 10# - 5% disease while Calogran 10# plus Fungicide II DR and Fungicide II DR plus Turfcide 10# had about 1% disease. Calogran 10# plus Turfcide 10# and the 3 way combo were disease free. The half of the plot fertilized with 1# N in a 20:10:10 product was somewhat better. The color difference is expected to increase with time as the snow had just left the plot three days before.

Thirty-seven plots plus 17 Checks at Duluth were observed April 28. There were no surprises, only confirmation of what I expected. Untreated Checks averaged 78.5% disease. Bayleton looked quite good but one year does not make a recommendation.

Field observations in the metro area revealed few serious disease problems when turf was treated. While many homeowners reported much grey snow mold damage, it was not severe but mostly foliar blight and little real crown damage, i.e. fairly quick recovery. One surprise was the rather common pink snow mold damaged that developed around the Typhula damage areas in early May. Another very interesting observation at Gilbert, Minnesota was the small sizes of T. ishikariensis damage on bent when compared to Poa, indeed the diseased area on Poa was at least twice as large even when treated. Poa was clearly more susceptible in the turf nursery.

1981 - 1982

PRODUCT	RATE OZ/1000 SQ.FT.	PLOT LOCATION/PERCENT DISEASE		
		SOMERSET	ROCHESTER	DULUTH
Caloclor	3	0.75	0	13.75
Caloclor	5	0.25	0	2
Tersan SP	5	3.75	6.25	24.5
Tersan SP	9	1.25	0	9.25
Terraclor	8	0.25	0	16.75
Terraclor	16	0	0	2.75
Tersan 1991	2	3.75	6.25	32.5
Bayleton 25WP	5	0.5	0.25	6.75
Bayleton	1	0.25	0	5
Ciba Geigy 64250	8 gms ai	0.75	0	
Ciba Geigy 64250	16 gms ai	0	0	
Daconil 4F	8 Fl oz	1.5	2	35
Daconil 4F	16 Fl oz	2.5	3.75	15
26019	2	8.75	4.25	18.75
26019	4	6	0.5	10.25
Caloclor+Tersan SP	3 + 5	0.75	0	2.5
Caloclor+Terraclor	3 + 8	0	0	0
Tersan SP+Terraclor	5 + 8	0	0	4
Caloclor+Tersan SP+ Terraclor	3 + 5 + 8	0	0	0
Tersan SP+Tersan 1991	5 + 2	1.5	0.25	18.75
Daconil 4F+Tersan 1991	8 Fl oz + 2	3.25	2	15.75
PMA	1 Fl. oz	16	7.5	73.75
PMA	2 Fl. oz	7	1	72.5
Untreated Check		19.0	12.0	78.5

GRANULES

Calogran	6	2	0	25
Calogran	10	1		12
Fungicide II	N	5	0.75	9
Fungicide II	D			7
Turfcide	5	12	4.25	22
Turfcide 10% g	10			11
FFII	N	1	0	3
FFII	D			1
Scotts S-248		12		25
Scotts S-248				26
F-9177		12		14
F-9177				12
F-IV		4		10
#31 plus #33				0
#31 plus #35				0
#33 plus #35				7
#31 plus #33 plus #35				0

EMPLOYMENT CHANGE

The Kromer Company is proud to introduce Dennis Hendrickson as the newest addition to its sales staff. Dennis is a Certified Golf Course Superintendent who has been a superintendent for fourteen years, first at Koronis Hills G.C. in Paynesville and for the last ten years at the Honeywell C.C. in Lakeville. He was president of the M.G.C.S.A. in 1981 where he has been very active, serving on many committees. He is also a member of the G.C.S.A.A. He and his wife, Sally, live in Eagan and have one son, Justin, who is twenty-one months old. They are active in Prince of Peace Luthern Church in Burnsville and enjoy water sports and golf. We feel Dennis' past experience as a golf course superintendent will help us to better serve you and we are looking forward to serving you.