


# 1997-1998 Snow Mold Fungicide Study

Dr. Rob Golembiewski  
Montana State University

A snow mold fungicide study was conducted during fall and winter 1997-98. The study was established at Riverside Country Club in Bozeman, Montana. The treatments were applied preventively October 21 to three replicate 6-by 9-ft. plots on a predominantly annual bluegrass mowed at one-half inch. Snow fell on October 23 and melted off by October 30. November was a sunny, dry month. Snow fell again on November 18 and melted off by November 24. Treatments with a split application were applied

November 24. Permanent snow cover began November 25 and ended March 31.

The study was rated on April 1, 1998, immediately following snow cover meltoff. The study had an approximate 70:30 mix of pink snow mold (*Microdochium nivale*) and gray snow mold (*Typhula ishikariensis* and *Typhula incarnata*). Disease severity was extremely high in the study with the untreated controls reaching levels of 95 percent (see table on page 20). The PCNB fungicides in combination with other products performed extremely well, as did the experimentals FL#971556 and FL#971557.

Phytotoxicity was noted on November 1 and 24. All products containing PCNB and the experimentals FL#971556 and FL#971557 resulted in discoloration of the turf. The phytotoxicity may have been compounded by the fact that November was a sunny, dry month. The discoloration was still observable on April 1. 

Credit: The Perfect Lie, August 1998

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## 1997-98 Snow Mold Fungicide Study

Riverside Country Club, Bozeman, MT

Rating Date: April 1, 1998

Rating Scale: Percent plot area infected by pink snow mold (*Microdochium nivale*) and grey snow mold (*Typhula ishikariensis*).<sup>2a</sup>

TREATMENT	RATE/1000 FT <sup>2b</sup>	REP 1	REP II	REP III	AVERAGE	LSD(0.05) <sup>c</sup>
Defend 4F + WAC71	9 fl. oz. + 12 fl. oz.	0	0	0	0.0	A
Defend 4F (Oct.) and Defend 4F + WAC 71 (Nov.)	8 fl. oz. and 9 fl. oz. + 12 fl. oz.	0	0	0	0.0	A
Chipco 26GT + Daconil Weatherstik + Turfcide 400	4 oz. + 5.5 oz. + 4 oz.	0	0	0	0.0	A
Chipco 26GT + Daconil Weatherstik + Turfcide 400	4 oz. + 5.5 oz. + 8 oz.	0	0	0	0.0	A
Heritage 50 WG + Turfcide 400	0.4 oz. + 12 oz.	0	0	0	0.0	A
Heritage 50 WG + X-77 (Oct.) and Heritage 50 WG + Turfcide 400 (Nov.)	0.4 oz. + 0.1% v/v 0.4 oz. + 12 oz.	0	0	0	0.0	A
FL#971557	6 fl. oz.	0	3	3	2.0	AB
Chipco 26GT + Turfcide 400	4 oz. + 8 oz.	5	2	5	4.0	ABC
Signature + Chipco 26GT + Daconil Ultrex	4 oz. + 4 oz. + 5 oz.	7	5	3	5.0	ABC
Heritage 50WG + Turfcide 400	0.7 oz. + 12 oz.	0	15	0	5.0	ABC
FL#971556	6 fl. oz.	0	15	5	6.7	A-D
Chipco 26GT + Daconil Weatherstik	4 oz. + 5.5 oz.	15	10	5	10.0	A-E
Fore + Turfcide 400	6 oz. + 8 oz.	5	10	15	10.0	A-E
Defend 4F	12 fl. oz.	15	15	5	11.7	A-E
Scotts FFII	103.8 oz.	15	10	10	11.7	A-E
Scotts FFII + Fungicide X	51.9 oz. + 115.4 oz.	15	7	15	12.3	A-E
Revere 4000	16 fl. oz.	20	10	10	13.3	A-E
Eagle + Fore	0.6 oz. + 8 oz.	10	10	25	15.0	A-E
WAC71	12 fl. oz.	20	20	15	18.3	A-F
L-0007	4 lbs.	25	25	20	23.3	B-G
AE207-97	6.66 lbs	15	25	40	26.7	C-G
Heritage 50WG	0.7 oz.	40	30	15	28.3	D-G
L-0006	4 lbs.	30	40	25	31.7	EFG
Heritage 50WG	5.58 gm.ai.	25	10	60	31.7	EFG
L-0009	4 lbs.	70	20	25	38.3	FGH
AE206-97	6.66 lbs.	65	30	25	40.0	FGH
AE204-97	6.66 lbs.	30	70	25	41.7	GH
AE205-97	6.66 lbs.	50	85	35	56.7	HI
RDS	7.43 gm.ai. + 0.1% v/v	60	35	80	58.3	HI
L-0008	4 lbs.	70	70	40	60.0	HI
Daconil Ultrex	8 oz.ai.	30	75	75	60.0	HI
Daconil Weatherstik	8 oz. ai.	20	95	100	71.7	IJ
RD2	0.93 gm.ai. + 0.1% v/v	95	70	60	75.0	IJK
RD4	3.72 gm.ai. + 0.1% v/v	75	80	75	76.7	IJK
RD3	1.86 gm.ai. + 0.1% v/v	90	70	75	78.3	IJK
RD1	0.46 gm.ai. + 0.1% v/v	90	85	85	86.7	JK
Fungicide X	115.4 oz.	100	95	75	90.0	JK
Sustane	30 lbs.	100	75	95	90.0	JK
Untreated Control		95	95	85	91.7	JK
Control (10-0-14)	6.66 lbs.	95	100	95	96.7	K

a Due to intermingled infection, separate disease ratings were not feasible.

b Rates listed are formulation unless listed as active ingredient (ai.).

c Treatments followed by the same letter are not significantly different from each other at the 5% level.

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