

Effective Control Strategies For Snow Mould

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We create chemistry

Snow mould diseases occur during the winter through early spring on many northern golf courses. There are three primary fungi that result in the damage that we observe in the spring of the year: *Typhula incarnata* and *Typhula ishikariensis* (gray snow mould) and *Microdochium nivale* (pink snow mould). Without effective control, these fungi can damage turf, causing poor playing conditions. However, properly timed fungicide applications in the fall can effectively control snow mould, allowing for top-quality turf at the end of winter. While superintendents have many options when controlling this disease, several things need to be examined to determine the best possible solution to the problem, including the area to be treated (greens, tees or fairways), anticipated snow mould pressure, species and economics.

Studies Prove BASF Solutions Provide Excellent Snow Mould Control.

Insignia SC[®] fungicide has proven to be an excellent foundational product when used as part of a program approach to the control of both pink and gray snow mould. Tank mixtures that control both *Typhula sp.* and *Microdochium sp.* are increasingly important to provide superintendents with a broad-spectrum solution. BASF has recently introduced two new fungicides to the market that are excellent partners in providing season-long snow mould control: **Honor[®] Intrinsic[™] brand fungicide** and **Insignia SC[®] Intrinsic[™] brand fungicide**. **Honor** is a combination of pyraclostrobin (**Insignia**) and boscalid (**Cadence[®] fungicide**) which allows superintendents to achieve unsurpassed control of late-season dollar spot in addition to the snow mould control they have come to rely on. **Insignia SC[®]** is a new liquid formulation of **Insignia SC[®]** that is easier to use. **Insignia SC[®]** and **Honor** have also been shown to provide plant health benefits to treated turfgrass by providing increased stress tolerance, in addition to the long list of diseases controlled. In 2009-2010, snow mould trials were performed at Michigan State, the University of Wisconsin, the University of Massachusetts and Colorado State University.

Snow Mould Application Recommendations

Superintendents have numerous fungicide choices for snow mould control.

Insignia Duo (a new co-pack of **Insignia SC** and **Premis**) provides excellent control of both pink and grey snow mould.

For areas with a history of high snow mould pressure, a combination of **Insignia Duo** with either Chlorothalonil or Iprodione is an excellent choice.



Club de Golf Fontainebleau
20-4-2017
Premis 22 mL+ Insignia 17 g + Chlorothalonil 95 mL



Club de Golf Fontainebleau
20-4-2017
Premis 32 mL+ Insignia 25 g

FIGURE 1. SNOW MOULD OFFER COMPARISON
ACTIVE INGREDIENT RATES g/100 m²

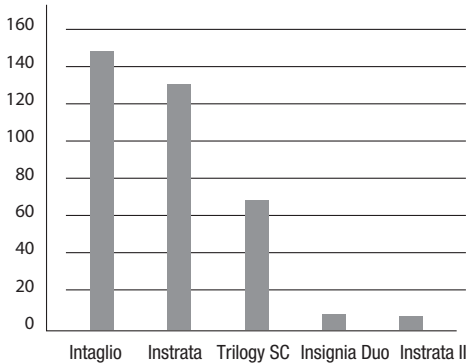


FIGURE 2. INCIDENCE OF SNOW MOULD ON A CREEPING BENTGRASS/ANNUAL BLUEGRASS FAIRWAY

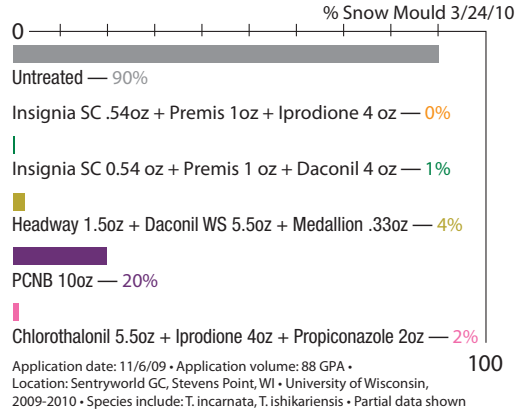


FIGURE 3. INCIDENCE OF SNOW MOULD ON A CREEPING BENTGRASS/ANNUAL BLUEGRASS FAIRWAY

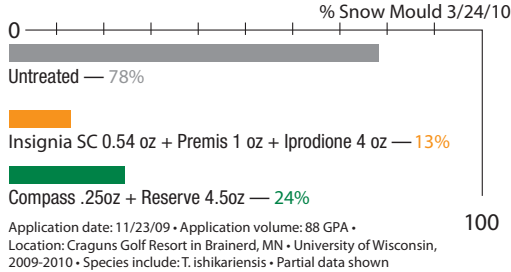
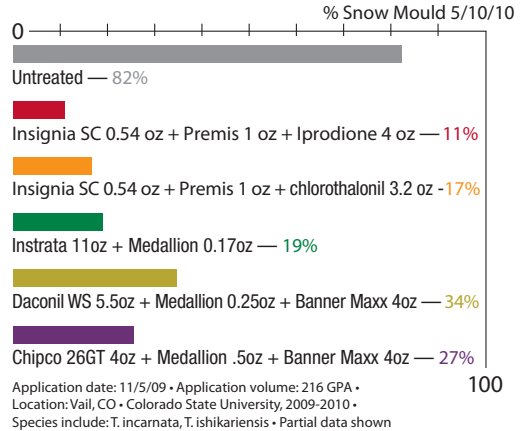


FIGURE 4. INCIDENCE OF SNOW MOULD ON AN ANNUAL BLUEGRASS FAIRWAY



Full rate product and a cut rate price.

LOCATION	LEVEL OF PRESSURE	PRODUCT	RATE/100 m ²
Greens/Tees	Moderate to High	Insignia SC + Premis	20 mL + 32 mL
Greens/Tees/Fairways	High to Very High	Insignia SC + Premis + Chlorothalonil	20 mL + 32 mL + 140 mL
		Insignia SC + Premis + Iprodione	20 mL + 32 mL + 200 mL
Tees/Fairways	Moderate to High	Insignia SC + Premis + Chlorothalonil	14 mL + 22 mL + 144 mL
		Insignia SC + Premis + Iprodione	16.5 mL + 26 mL + 115 mL

Insignia® Duo
Fungicide

Premis®
Fungicide

Cadence®
Fungicide

Honor™
Fungicide

Always read and follow label directions.

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