

The NEXT Generation of Excellent Snow Mould Protection



PRODUCT TECHNICAL INFORMATION

NEW Active Ingredient, NEW Family of Chemistry

The future of snow mould control is here! After extensive testing at golf courses under Canadian winter conditions, Syngenta is proud to offer Instrata® II, the next generation of excellent snow mould protection to Canadian Golf Course Superintendents. Benzovindiflupyr, also known as Solatenol™ is one of two powerful active ingredients in Instrata® II. The NEW Solatenol component is a third generation SDHI (succinate dehydrogenase inhibitor) fungicide, representing a NEW family of chemistry for snow mould control. It inhibits fungal spore germination and works by stopping fungal germ tube penetration into the leaf. Solatenol in Instrata II also provides the ability for Superintendents to change up the chemical families in keeping with strategies to avoid fungicide resistance. As a third generation SDHI fungicide in FRAC group 7, Solatenol demonstrates excellent activity on gray snow mould.

Contact and Systemic Action

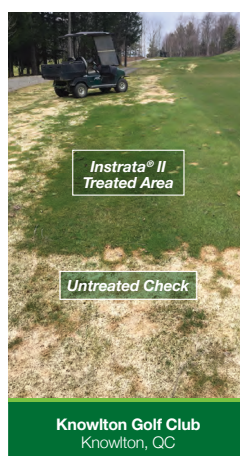
Instrata® II combines the forces of two powerful active ingredients, Solatenol™ and fludioxonil. Solatenol assimilates into the plants via translaminar movement, strongly binding to the plant's cuticular wax, and slowly penetrating into the tissue. Solatenol also exhibits upward movement within grass plants, giving protection from snow mould from the inside out throughout the winter season. Coupled with the Contact + action of fludioxonil, this powerful combination delivers winter long snow mould protection.

Rainfastness

Instrata® II was engineered with trusted WeatherStik® technology to optimize performance. Trials have shown that these innovative formulations of fludioxonil and Solatenol™ ensures that the fungicides bond onto the leaf wax layer, making them rainfast within one hour. Tight binding to the leaf ensures that they won't be washed off by rainfall and will continue to provide long-lasting results over the winter months.

Golf Course Tested

Syngenta teamed up with Golf Course Superintendents across the country in the winter of 2016-17 to conduct an extensive demo plot trial program of Instrata® II at their golf courses. This provided Superintendents with the opportunity to see the results under real, live golf course conditions. Instrata II delivered the exceptional control that Superintendents have come to know and expect from the current Instrata formulation.





TURF PRODUCT APPLICATION

Fludioxonil Contact + Action

Fludioxonil is a protectant, contact fungicide which, in effect, inhibits fungal spore germination and stops mycelial growth. It is the same active ingredient contained in Medallion® fungicide, which has consistently achieved the highest rating for Microdochium patch control in the Chemical Control of Turfgrass Diseases Report 2017*, as a stand-alone product.

Lowest Active Ingredient

Combining the powerful forces of Solatenol™ and fludioxonil, Instrata® II delivers 825 grams of active ingredient per hectare, the lowest amount of active ingredient (ai) load of any snow mould fungicide available on the market. Superintendents can achieve reduced environmental loading without compromising efficacy to ensure that their golf courses come out clean in the spring.

Unique Packaging and Ease of Use

Instrata® II will be packaged in the first ever dual chambered jug to be used by Golf Course Superintendents. It makes triple rinsing and disposal a breeze and ensures quick and easy clean up and disposal.

Case Coverage

One case of Instrata® II covers 6 acres! That's 5 times the coverage of the current Instrata formulation meaning very quick and efficient applications. Less packaging to go into the recycling bin means less impact on the environment. Plus less containers to handle mean more efficient clean up and disposal.

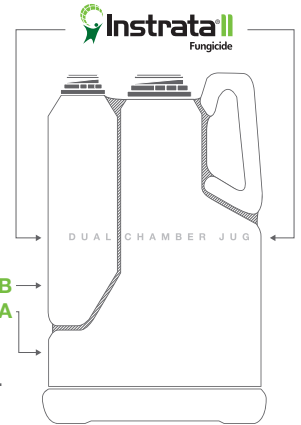
Pink Snow Mould / Microdochium Patch

Fungicide	FRAC Code	Efficacy
Fludioxonil: Medallion®	12	4

4 = consistently good to excellent control in published experiments

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Fungicide	Product rate/100m ²	Grams ai/100m ²
Instrata® II A	60 mL	7.5
Instrata® II B	7.5 mL	0.75
Total	67.5 mL	8.25



Number of cases required
to treat 6 acres of Greens, Tees and Surrounds



Number of cases required
to treat 24 acres of Fairways



Active Ingredient	Formulation Type	FRAC Group	Case Size	Case Coverage	Nozzle Selection
Fludioxonil	Soluble concentrate	12	2 (dual chamber)	2.4 ha (6 acres)	Syngenta XC 04 Syngenta XC 08 AI, XR
Benzovindiflupyr	Emulsifiable concentrate	7			

To learn more about Instrata® II, please visit greencast.ca



For more information, contact your Syngenta Turf Specialist, visit GreenCast.ca, or follow @SyngentaTurfCA on Twitter. Customer Interaction Centre 1-87-SYNGENTA (1-877-964-3682).

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