



## New Pests Evaluation Report for Category B, Subcategory 3.11 Application

**Application Number:** 2022-0332  
**Application:** New or changes to Product Labels-New Pests  
**Product:** Sphaerex  
**Registration Number:** 34263  
**Active ingredients (a.i.):** Metconazole (112.5 g/L), Prothioconazole (187.5 g/L)  
**PMRA Document Number:** 3362025

### Background

Sphaerex Fungicide, first registered on October 5<sup>th</sup>, 2021, is a broad-spectrum fungicide containing 112.5 g/L metconazole and 187.5 g/L prothioconazole. Sphaerex Fungicide is registered for use on listed cereal crops grown in the field to control or suppress certain foliar diseases when applied at a total active ingredient (a.i.) application rate range of 120 to 160 g a.i./ha. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

### Purpose of Application

The purpose of this application was to add a claim to suppress ergot on cereals (wheat, barley, oats, rye and triticale) when Sphaerex Fungicide is applied at a rate of 0.53 L product/ha (160 g a.i./ha) once per year using ground or aerial application equipment.

### Chemistry, Health and Environmental Assessment

A chemistry assessment was not required since there was no change to product chemistry. Health and environmental assessments were not required since the use pattern, including host crop, application rate and timing, remained unchanged.

### Value Assessment

Three field trials were reviewed to support a claim to suppress ergot on wheat, barley, oats, rye and triticale for Sphaerex Fungicide. The results of these trials demonstrated that Sphaerex Fungicide applied at 0.53 L product/ha can suppress ergot on wheat, barley, oats, rye and triticale. Ergot disease affects cereal crops during flowering and reduces harvest grain quality by replacing kernels with ergot bodies. Registration of Sphaerex Fungicide to suppress ergot will provide cereal growers with an additional tool to combat this disease in Canada.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the subject application and determined that the submitted information is adequate to support a claim to suppress ergot on cereals (wheat, barley, oats, rye and triticale) when Sphaerex Fungicide is applied once per year at a rate of 0.53 L product/ha (160 g a.i./ha) with ground or aerial equipment.

## References

PMRA #	Reference
3313701	2022, DACO 10 1 Value Sphaerex, DACO: 10.1
3313703	2022, DACO 10 - Trial Reports, DACO: 10.2.3.3(D), 10.3.2(B)

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