

## Evaluation Report for Category C, Subcategory 3.11 Application

**Application Number:** 2009-1161  
**Application:** Category C, Subcategory 3.11 (New or Changes to Product Labels – New Pest)  
**Product:** Insignia EG Fungicide  
**Registration Number:** 28859  
**Active ingredients (a.i.):** pyraclostrobin [PYA]  
**PMRA Document Number:** 1768816

### Background

This is a Category C.3.11 (streamlined Cat C) submission to add two disease claims for turf, control of red thread and take-all patch, to the Insignia EG Fungicide label. Insignia EG Fungicide is currently registered to control brown patch, grey leaf spot, grey snow mould, Typhula blight, leaf spot, pink snow mould, Pythium blight and rust on turf. Insignia EG Fungicide contains 20% pyraclostrobin, a group 11 fungicide. Registered rates range from 85 – 280 g/1000 m<sup>2</sup>. This product has both preventative and curative activity. Insignia EG Fungicide is currently registered in the US for the proposed uses and the currently registered uses. The US rates for red thread are 0.5 – 0.9 oz/1000 ft<sup>2</sup> (157 – 283 g/1000 m<sup>2</sup>) and the rate for take-all patch is 0.9 oz/1000 ft<sup>2</sup> (283 g/1000 m<sup>2</sup>).

### Purpose of Application

The applicant has proposed to add control of red thread and take-all patch on turf to the Insignia EG Fungicide label. Insignia EG Fungicide should be applied at a rate of 280 g/1000 m<sup>2</sup> (56 g a.i./ 1000 m<sup>2</sup>) to control red thread when conditions are favourable for disease development. A maximum of six applications are requested to be applied every 14 – 28 days. No more than three consecutive applications should be made. For control of take-all patch, Insignia EG Fungicide should be applied at a rate of 154 – 280 g/1000 m<sup>2</sup> (30.8 – 56 g a.i./ 1000 m<sup>2</sup>) twice in the spring and twice in the fall every 14 – 28 days. Applications should commence when conditions are favourable for disease development.

### Chemistry, Health, and Environmental Assessments

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 rates and timings, of the component product remained unchanged.

## Value Assessment

Three efficacy trials on red thread and four trials on take-all patch were submitted and reviewed. The red thread trials exhibited low disease pressure. A clarifax was sent to the applicant requesting data assessed under moderate to high disease pressure. The applicant indicated that there is no other data available. More data is required to support this claim. Trials on take-all patch indicated suppression when treated with Insignia EG using the proposed use pattern. Due to a lack of rotational products with a different mode of action, only one application in the fall and one application in the spring for suppression of take-all patch can be supported at this time. The use pattern may be amended in a subsequent submission with the registration of an alternative fungicide to control this disease.

## Conclusion

The PMRA has completed an evaluation of the subject application and has found the information sufficient to amend the registration of Insignia EG Fungicide to include suppression of take-all patch on turf.

## References

1739022 2009, Petition for the addition of Anthracnose(*Colletotrichum graminicola*), Take all-patch (*Gaeumannomyces graminis* var. *avenae*), Summer patch (*Magnaporthe poae*) Bentgrass dead spot (*Ophiosphaerella agrostis*), Red thread (*Laetisaria fuciformis*), Rapid blight (*Labyrinthula terrestris*) and Dollar spot suppression (*Sclerotinia homeocarpa*) on established golf course turf.

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