

## Evaluation Report for Category B, Subcategory 2.1, 2.3, 2.4, 2.6, 3.10 Application

**Application Number:** 2014-1644  
**Application:** New EP Product Chemistry – Guarantee, Identify of Formulants, Proportion of Formulants, New Combination of TGAI's  
New Product Labels – Tank Mixes  
**Product:** Interface STRESSGARD  
**Registration Number:** 31906  
**Active ingredients (a.i.):** Iprodione and Trifloxystrobin  
**PMRA Document Number :** 2537273

### Purpose of Application

The purpose of this application was to register Interface STRESSGARD, an end-use product (EP) containing a new combination of active ingredients (iprodione and trifloxystrobin) for use as a fungicide on golf courses and sod farms.

### Chemistry Assessment

Interface STRESSGARD is formulated as a suspension containing iprodione at 256 g/L and trifloxystrobin at 16 g/L. This end-use product has a density of 1.11 g/mL and pH of 4.86. The chemistry requirements for this product have been fulfilled.

### Health Assessments

Interface STRESSGARD is of low acute toxicity via the oral, dermal and inhalation routes. It is minimally irritating to the eye and skin, and is not a dermal sensitizer.

The use of the end-use product Interface STRESSGARD on turf and golf courses is not expected to result in potential occupational or bystander exposure over the registered use of iprodione or trifloxystrobin. No health risks of concern are expected for golfers and when workers follow label directions and wear personal protective equipment as stated on the label.

### Environmental Assessment

The maximum application rates of trifloxystrobin and iprodione are lower than the registered maximum rates. Therefore, the risk from using the new combination of these actives in Interface STRESSGARD is expected to be no greater than the use of the registered end-use products containing trifloxystrobin and iprodione alone.

The buffer zone instructions for Interface STRESSGARD are based on the precedent trifloxystrobin EP for use on turf. These application instructions and buffer zones are the same as those required for the original trifloxystrobin registration. Buffer zones were determined using the model of Nordby and Skuterude, 1975. To maintain consistency with the precedent products the existing buffer zone table and related application instructions will be maintained for Interface STRESSGARD until trifloxystrobin undergoes re-evaluation. Note that iprodione has undergone re-evaluation; however the buffer zones determined for that submission have not yet been published. Therefore, the buffer zones for Interface STRESSGARD may also change in the future as a result of the iprodione re-evaluation.

## **Value Assessment**

A total of 111 experimental trials were provided to support the claims. It is important to note that the two active ingredients that compose Interface STRESSGARD are registered separately for turf disease control. However, the combined rates in Interface STRESSGARD are lower than the registered separate rates for most claims. Interface STRESSGARD controlled the diseases and suppressed grey snow mould. Under high disease pressure, the higher rates and shorter application intervals provided better control. However, the value of a rate range is that it will allow growers to treat multiple diseases at the same time, and the large application interval will give the users more freedom to adjust the interval according to disease pressure and the area to be treated.

To reduce the chance of resistance building up in fungi population, both active ingredients in the premix must be effective to control the pathogen in question. Trifloxystrobin was not tested alone against dollar spot and it is not registered against that disease. In addition, iprodione only suppressed basal rot and foliar blight anthracnose and is not currently registered against that disease. As a result, the application of Interface will not decrease the risk of resistance buildup for these two diseases as only one of the active is effective against each disease. However, it will increase the disease spectrum as an application of Interface will control dollar spot and anthracnose along with other summer diseases if present.

Based on the value information provided, all the claims are supported. For control of grey snow mould, Interface STRESSGARD must be tank mixed with the tank mix partners to provide an acceptable level of control. If Interface STRESSGARD is used as a solo treatment, it will only provide suppression of grey snow mould.

## **Conclusion**

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of Interface STRESSGARD and has found the information sufficient to register a new combination of active ingredients (iprodione and trifloxystrobin) for use as a fungicide on golf courses and sod farms.

## **References**

PMRA           References  
Document

Number	
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