

## Evaluation Report for Category B, Subcategory 2.3 and 2.4 Application

**Application Number:** 2015-0164  
**Application:** Changes to product chemistry – Identity and proportion of formulants  
**Product:** Velista Fungicide  
**Registration Number:** 30334  
**Active ingredients (a.i.):** Penthiopyrad  
**PMRA Document Number :** 2538840

### Background

Velista Fungicide (Registration Number 30334; guarantee 50% penthiopyrad) is registered for use on turf for the control of dollar spot (*Sclerotinia homeocarpa*), brown patch (*Rhizoctonia solani*) and anthracnose foliar blight (*Colletotrichum cereale*).

### Purpose of Application

The purpose of this application was to register a new alternate formulation of Velista Fungicide.

### Chemistry Assessment

Velista Fungicide is formulated as wettable granules containing penthiopyrad at a nominal concentration of 50%. This end-use product has a density of 0.64 g/mL and pH of 8.1. The required chemistry data for Velista Fungicide have been provided, reviewed and found to be acceptable.

### Health Assessments

Velista Fungicide is of low acute toxicity by the oral, dermal and inhalation routes in rats. It is mildly irritating to the eye and minimally irritating to the skin of rabbits. Velista Fungicide is not a dermal sensitizer in mice.

The use directions of the new formulation of the end-use product Velista Fungicide to control certain diseases on landscape and recreational (including golf course) turf grass are identical to those of the currently registered end-use product. Therefore, the use of this new formulation is not expected to result in potential occupational, non-occupational or bystander exposure over the registered use of the active ingredient penthiopyrad. No health risks of concern are expected when workers follow label directions and wear personal protective equipment as stated on the label.

### Environmental Assessment

The new formulation of Velista Fungicide is acceptable from an environmental perspective. No additional environmental precautions are required on the Velista Fungicide label.

### Value Assessment

Based on the similarity of the new formulation to that of the registered formulation, and efficacy data from one bridging trial demonstrating similar efficacy between the two formulations, the new formulation can be supported from a value perspective.

### Conclusion

The PMRA has completed a review all available information in support of Velista Fungicide and found it sufficient to support the new alternate formulation.

### References

<b>PMRA Document Number</b>	<b>Reference</b>
2492004	2014, TUR14-01 - Evaluation of A20744D for safety on greens height turfgrass, DACO: 10.2.3.3, 10.3.2
2491989	2014, Velista Fungicide - Identification, DACO: 3.1, 3.1.1, 3.1.2, 3.1.3, 3.1.4 CBI
2491990	2014, Velista Fungicide - Starting Materials and Certification of Limits, DACO: 3.2.1, 3.3.1 CBI
2491991	2014, Velista Fungicide - Description of Formulation Process, DACO: 3.2.2 CBI
2491992	2014, SYN501369 WG (50) A20744D- SF-743/1 - Determination of SYN501369 in A20744D by (CBI removed), DACO: 3.4.1 CBI
2491993	2014, Velista Fungicide - Chemical Physical Properties, DACO: 3.5, 3.5.1, 3.5.10, 3.5.11, 3.5.12, 3.5.13, 3.5.14, 3.5.15, 3.5.2, 3.5.3, 3.5.4, 3.5.5, 3.5.6, 3.5.7, 3.5.8, 3.5.9 CBI
2491995	2014, Penthiopyrad WG (A20744D) - Acute Oral Toxicity - Up-And-Down Procedure in Rats, DACO: 4.6.1
2491996	2014, Penthiopyrad WG (A20744D) - Acute Dermal Toxicity in Rats, DACO: 4.6.2
2491997	2014, Penthiopyrad WG (A20744D) - Acute Inhalation Toxicity in Rats, DACO: 4.6.3
2491998	2014, Penthiopyrad WG (A20744D) - Primary Eye Irritation in Rabbits, DACO: 4.6.4

2491999	2014, Penthioyrad WG (A20744D) - Primary Skin Irritation in Rabbits, DACO: 4.6.5
2492000	2014, Penthioyrad WG (A20744D) - Local Lymph Node Assay (LLNA) in Mice, DACO: 4.6.6

ISSN: 1911-8082

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