

## Evaluation Report for Category B, Subcategory 3.12 Application

**Application Number:** 2018-3394  
**Application:** New or Changes to Product Label – New Site or Host  
**Product:** Emesto Pro  
**Registration Number:** 33593  
**Active ingredients (a.i.):** Prothioconazole  
**PMRA Document Number:** 3049400

### Purpose of Application

The purpose of this application was to register the end-use product, Emesto Pro containing prothioconazole, for seed-piece treatment on potatoes to control of *Fusarium* spp.

### Chemistry Assessment

Chemistry assessment was not required for this application.

### Health Assessments

Emesto Pro fungicide is of low acute toxicity to rats via the oral, dermal and inhalation routes of exposure. It is non-irritating to the eye and slightly irritating to the skin of the rabbit. It is a dermal sensitizer in the guinea pig.

Previously reviewed residue data conducted in/on potatoes were reassessed in the framework of this petition. Following the review of all available data, it is concluded that the current MRL of 0.02 ppm for residues of prothioconazole in/on potatoes covers the use on potatoes. Furthermore, this use will not pose a health risk to any segment of the population, including infants, children, adults and seniors.

The occupational exposures and risks to prothioconazole, in a new potato seed piece treatment product, are not expected to be a concern, providing workers follow the label directions and wear the personal protective equipment identified on the label.

### Environmental Assessment

The use pattern for Emesto Pro on potato seed pieces is within the currently registered use patterns for other prothioconazole seed treatments. The label includes the recommended updates to the environmental hazard statements, therefore, no additional risk is expected from the registration of the Emesto Pro Fungicide.

## **Value Assessment**

The results of efficacy trials were submitted to support the registration of the seed treatment product, Emesto Pro, to control fusarium dry rot on potatoes. The value information provided evidence that Emesto Pro Fungicide applied at 3.6 mL/100 kg of seed can be expected to control fusarium dry rot on potatoes. Emesto Pro Fungicide will provide an alternative seed treatment product for use on potato seed pieces and can contribute to an integrated disease management program. Therefore, the registration of Emesto Pro is supported from a value perspective.

## **Conclusion**

The PMRA has reviewed the information provided in support of the end use product Emesto Pro. Based on the results of this review, Emesto Pro is acceptable for registration.

## References

1885319	2010, Penflufen fungicide and associated co-formulations for control of seed and soil borne diseases of potato, DACO: 10.2.1,10.2.2,10.2.3.1,10.2.3.3,10.2.3.4,10.3.1,10.3.2,10.4,10.5.1,10.5.2,10.5.4,5.2,IIIA 3.2,IIIA 3.3.2,IIIA 6.1.2,IIIA 6.1.3,IIIA 6.2.1,IIIA 6.3,IIIA 6.4.1,IIIA 6.4.2,IIIA 6.4.3,IIIA 6.6
2906609	2018, Emesto Pro (prothioconazole) for control of Fusarium dry rot on potato, DACO: 10.1,10.2.3.1

2906626	2018, EMESTO PRO (Prothioconazole 100 g/L): DACO 5 Information Supporting the Proposed Use for Potato Seed Piece Treatment., DACO: 5.1,5.2
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ISSN: 1911-8082

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