

Evaluation Report for Category B, Subcategory 4.6 Application

Application Number: 2017-5401
Application: Conversion to fulfill conditions of registration on a product with full registration
Product: SmartBlock
Registration Number: 30889
Active ingredient (a.i.): 3-Decen-2-One
PMRA Document Number: 2910332

Background

SmartBlock was first registered in 2013. It is registered for the control of sprouting potato tubers in storage (indoor use only) at a rate of 137.5 mL/tonne (115 g a.i./tonne) and up to four applications may be made to any one lot of potatoes (e.g., cumulative maximum of 550 ml/tonne potatoes). As a requirement of registration, additional information was requested to confirm product efficacy of SmartBlock used in commercial potato storage facilities.

Purpose of Application

The purpose of this application was to fulfill requirements of registration for SmartBlock in controlling sprouts uniformly throughout the potato pile when applied in accordance with the label in commercial potato storage facilities.

Chemistry, Health and Environmental Assessments

Chemistry, health and environmental assessments were not required for this application.

Value Assessment

Factors such as cultivar and storage temperature influence potato tuber dormancy and therefore the timing and level of sprouting. Application of SmartBlock controls emerged sprouts and can be used as the sole product to control sprouting or in combination with other products registered to inhibit or control sprouting in a potato storage management program.

Value information was submitted in the form of use history and efficacy trial data generated in commercial potato storage facilities in Ontario to confirm efficacy on a commercial scale. The data confirmed that SmartBlock applied at the registered rate with thermal fogging equipment can be expected to control sprouts throughout the potato pile in ventilated storage facilities.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided and has found the information sufficient to fulfill the requirements of registration for SmartBlock.

Reference

PMRA Document Number 2804151	References 2017, Efficacy of SmartBlock(R): 2016 Commercial Trials Report & Summary, DACO: 10.2.3,10.2.3.4
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