

Evaluation Report for Category B, Subcategory 3.8 and 3.11 and Category C, Subcategory 3.15 Application

Application Number: 2011-1717
Application: Product Label: New pests and re-entry interval
Product: KleenGrow
Registration Number: 13148
Active ingredients: Didecyl Dimethyl Ammonium Chloride (QAK)
PMRA Document Number: 2176486

Purpose of Application

The purpose of this submission was to add the microorganism *Clavibacter michiganensis* to the control claims on the label of KleenGrow, a currently registered greenhouse sanitizer containing the active ingredient didecyl dimethyl ammonium chloride.

Chemistry Assessment

A chemistry assessment was not required for this application.

Health Assessment

KleenGrow is considered to be highly toxic orally, slightly toxic dermally, moderately toxic via inhalation, extremely irritating to the eyes, severely irritating to the skin and is not a skin sensitizer. The proposed label changes have no impact on the toxicological profile of the product.

A quantitative health assessment has been conducted for KleenGrow as a hard surface sanitizer in greenhouses. Exposure to workers handling KleenGrow is considered acceptable. Further to this, exposure to post-application workers re-entering greenhouses 12 hours after treatment is not expected to pose a concern.

A food residue assessment was not required for this application.

Environmental Assessment

An environmental assessment was not required for this application.

Value Assessment

One trial report with two relevant laboratory efficacy studies were provided. The data demonstrated that KleenGrow was effective at controlling the bacterial plant pathogen, *Clavibacter michiganensis*, on inanimate surfaces within greenhouses at a rate of 4 mL product per litre. The product was also shown to be effective against this bacterium at the relevant temperatures at which it is anticipated the product will be used, and for KleenGrow to maintain a residual sanitizing effect against *C. michiganensis* for a period of four weeks.

Conclusion

The Pest Management Regulatory Agency has completed an assessment of the information provided in support of the product, KleenGrow, and has found the information sufficient to add the microorganism *Clavibacter michiganensis* to control claims on the label of KleenGrow.

References

PMRA#	Title
2043982	2005. Three experiments to determine the potential of Chemprocide in reducing inoculum levels of the bacterial canker-causing organism, <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> in greenhouses. DACO 10.2.3.2

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