Health Canada Santé Canada

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

**Application Number:** 2013-0462
**Application:** New End Use Product: New guarantee and formulants (identity and proportions)
**Product:** Axcela
**Registration Number:** 32149
**Active ingredients (a.i.):** Metaldehyde
**PMRA Document Number : 2471514**

## Purpose of Application

The purpose of this application was to register a new commercial class product containing the technical active ingredient metaldehyde. Axcela is a molluscicide for the control of snails and slugs on ornamental plants, vegetables and berries.

## Chemistry Assessment

Axcela is formulated as pellets containing metaldehyde at a nominal concentration of 3.0%. This end-use product has a density of 0.84 g/mL and pH of 5.9-7.9. The chemistry requirements for Axcela have been fulfilled.

## Health Assessments

Axcela is considered to be of low acute toxicity via the oral, dermal and inhalation routes of exposure. It is minimally irritating to the eye and non-irritating to the skin of rabbits. Axcela is considered to be a potential skin sensitizer.

The exposure to workers wearing a long-sleeved shirt, long pants, shoes, socks, and chemical-resistant gloves when handling and applying Axcela to the soil surface surrounding labeled crops, to control snails and slugs, is unlikely to exceed the exposure from the registered use pattern of metaldehyde. The public, including children, are restricted from entering treated areas when pellets are present. No human health concerns are anticipated for loaders, applicators, and bystanders, post-application re-entry workers, and the public entering treated pick-your-own strawberries and blackberries, when following the label precautions and directions.

Previously reviewed residue data from field trials conducted in/on blackberries, cabbage, lettuce, strawberries, and tomatoes were reassessed in the framework of this petition. Residues in these crop commodities will not pose an unacceptable risk to any segment of the population, including infants, children, adults and seniors.

## Environmental Assessment



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Data on the product specifications and environmental data on the acute toxicity to honeybees were required to support the registration of Axcela. As the application rates are lower than registered application rates, no additional environmental risk is expected from the use of this product. Environmental concerns are mitigated on the existing label.

**Value Assessment**

Based on three trials and information provided by the applicant the use of Axcela molluscicide pellets at 7 kg/ha on vegetables, berries and ornamental plants (greenhouse and outdoors) was supported with a claim of "attracts and kills slugs and snails". Re-application intervals of 21 days for ornamentals and 14 days for all other crops were supported. A claim that the products remain effective after watering was also supported.

**Conclusion**

Following review of the application, the PMRA granted full registration of Axcela for the control of snails and slugs on ornamental plants, vegetables and berries.

**References**


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