

## Evaluation Report for Category B, Subcategory 3.12, 3.13, 3.4 and Category C, Subcategory 3.1 Application

**Application Number:** 2005-4285  
**Application:** B 3.12 (New hosts/sites), B 3.13 (Precautions), B 3.4 (Application method) and C 3.1 (Application rate decrease)  
**Product:** Prescription Treatment Brand Advance Granular Carpenter Ant Bait  
**Registration Number:** 27864  
**Active ingredients (a.i.):** Abamectin  
**PMRA Document Number:** 1474185

### Background

This product was first registered in 2005 with Master Product status as a granular ant bait. This product is intended to control many varieties of ants in and around homes, residential areas, commercial and other structures, non-food/feed areas of commercial buildings, warehouses, hotels, food storage areas, inedible product areas of meat packing plants, motels, schools, supermarkets, and non-occupied areas of hospitals and nursing homes. The original application was supported for indoor uses only. For specific details of uses, application rates and methods, precautions, restrictions, and personal protective equipment requirements, refer to the product label.

### Purpose of Application

The purpose of this application is to add outdoor use and tree holes as new sites of application, to add duster as an application method, to change the precautions, and to reduce the application rate.

### Chemistry Assessment

A chemistry assessment is not required for this application type.

## **Health Assessments**

The purpose of this submission is to add outdoor use and tree holes as new sites of application, to add “duster” as an application method and to reduce the application rate. The current application pertains solely to occupational and bystander exposure issues and no additional toxicology input is required. Therefore, the acute toxicity profile of this product has not changed.

For the requested outdoor uses of the products, a dermal exposure potential exists for commercial applicators. The exposure estimates were generated using the generic data for the Granular Bait Dispersed by Hand scenario of the Pesticide Handler Exposure Database (PHED). The estimated margins of exposure (MOEs) using the selected no observed adverse effects level (NOAEL) from the appropriate toxicity study were above the target MOE and were considered acceptable. The postapplication exposure potential is negligible as the products would be applied in areas to treat ants, including, foundations and ant mounds. The exposure potential of ingesting granules for children is negligible as the products would be applied outdoors with child resistant bait stations, to be placed in secure areas that are inaccessible to children and pets.

## **Environmental Assessment**

An environmental assessment was not required since no additional risks to the environment were identified. The environmental hazard statements adequately addressed the risks to aquatic organisms, birds, and small mammals. The disposal statements for both the technical grade active ingredient and the end-use product are adequate and no additional environmental precautionary statements were needed for the new uses.

## **Value Assessment**

No efficacy data were provided, however extrapolation from registered uses allowed outdoor uses to be supported. Baits placed outdoors in "appropriate child resistant bait stations that are secured in place" is acceptable.

## **Conclusion**

The Agency has completed an assessment of available information for Prescription Treatment Brand Advance Granular Carpenter Ant Bait and has found the information sufficient to support outdoor use, provided that the product be applied outdoors in a child resistant bait station, to be placed in secure areas that are inaccessible to children and pets. The proposed addition of tree holes cannot be supported because the application method of placing the bait in child resistant bait stations cannot be achieved in tree holes. The proposed removal of a maximum application rate (up to 42 g) for indoor uses also cannot be supported and should be maintained on the label.

## References

PMRA 831774 (2004) Level D review of the abamectin end-use products: Prescription Treatment Brand ADVANCE Granular Ant Bait, and Prescription Treatment Brand ADVANCE Granular Carpenter Ant Bait. Environmental Assessment Division, PMRA.

PMRA 1422617 (2006) Level C1 review of end-use products: Prescription Treatment brands ADVANCE Granular Ant Bait (Sub No. 2005-4285) and ADVANCE Granular Carpenter Ant Bait (Sub No. 2005-4286). Environmental Assessment Division.

PMRA 1284175 (2006) Summary/Use Description. Unpublished

PMRA 1154792 (2006) Use Description Scenario-Application and postapplication. Unpublished.

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