

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

**Application Number:** 2009-2565  
**Application:** Changes to end-use product chemistry: identity of formulants, proportion of formulations  
**Product:** Advance AF Cockroach Gel Bait  
**Registration Number:** 28978  
**Active ingredient (a.i.):** Abamectin  
**PMRA Document Number :** 1945218

### Purpose of Application

The purpose of this application was to register an alternate formulation of the end-use product, Advance AF Cockroach Gel Bait (Registration Number 28978) for the control of German cockroaches. The product is applied to cracks and crevices, void spaces and other indoor locations where cockroaches may be harbouring, living or breeding.

### Chemistry Assessment

Advance AF Cockroach Gel Bait is formulated as a paste containing abamectin at a nominal concentration of 0.05%. This end use product has a density of 0.9493 g/mL and pH of 6.088. The chemistry data requirements for Advance AF Cockroach Gel Bait are complete.

### Health Assessments

The toxicological profile of the alternate formulation is not expected to differ from the original formulation. It is not expected that exposure to the active ingredient will differ between use of either original or alternate formulations.

### Environmental Assessment

Based on the indoor use pattern, negligible environmental exposure to either original or alternate formulations is expected.

### Value Assessment

The alternate formulation can be supported based on the submitted efficacy data.

## Conclusion

The PMRA conducted an evaluation of the subject application and found the submitted information sufficient to support registration of the alternate formulation for Advance AF Cockroach Gel Bait.

## References

PMRA Document Number: 1781238

Reference: 2007, Comparison of efficacy between avert cockroach gel bait (F3) and an experimental cockroach gel formulation, Data Numbering Code: 10.2.3.4(c)

PMRA Document Number: 1781240

Reference: 2008, Field evaluation of the efficacy of Whitmire micro-gen bait formulations vs. Apex gel bait formulation against German cockroaches (*Blattella germanica*), Data Numbering Code: 10.2.3.4(c)

PMRA Document Number: 1781241

Reference: 2009, Physical and chemical characteristics of Whitmire TC-93, Data Numbering Code: 3.4, 3.4.1, 3.5, 3.5.1, 3.5.2, 3.5.3, 3.5.6, 3.5.7, 3.5.9

PMRA Document Number: 1873537

Reference: 2010, Description of the formulation process and discussion of the formation of impurities of toxicological concern, Data Numbering Code: 3.2.2, 3.2.3

PMRA Document Number: 1873538

Reference: 2010, Storage stability and corrosion characteristics of Whitmire TC-93, Data Numbering Code: 3.4.1, 3.5.10

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