

## Evaluation Report for Category B, Subcategory B.3.11, B.3.12 Application

**Application Number:** 2007-6257  
**Application:** Product label - New pests and new sites  
**Product:** Prescription Treatment Brand 221L Residual Insecticide Formula 2  
**Registration Number:** 28485  
**Active ingredients (a.i.):** Lambda-cyhalothrin (CYH)  
**PMRA Document Number:** 1984396

### Purpose of Application

The purpose of this application was to add new sites (apartments, daycares, homes, hospitals, laboratories, motels, resorts, buses, boats, ships, trains, trucks, planes) for indoor crack-and-crevice treatment and to add bed bug as a new pest to the label of Prescription Treatment Brand 221L Residual Insecticide Formula 2 (Registration Number 28485, 0.05% lambda-cyhalothrin).

### Health Assessments

Toxicology and food residue assessments were not required for this application.

Residential postapplication risk was assessed for the use of Prescription Treatment Brand 221L Residual Insecticide Formula 2 in apartments, daycares, homes, hospitals, laboratories, motels, resorts and transportation equipment. No unacceptable risk from the exposure to lambda cyhalothrin is expected for adults and children in treated residential areas. No unacceptable risk to workers is expected when workers follow the label directions and wear the personal protective equipment identified on the label.

### Environmental and Chemistry Assessments

Environmental and chemistry assessments were not required for this application.

### Value Assessment

The use of Prescription Treatment Brand 221L Residual Insecticide Formula 2 for control of bed bugs by direct spray application is acceptable based on the submitted efficacy data. Indoor use of the product in apartments, daycares, homes, hospitals, laboratories, motels, resorts, buses, boats, ships, trucks, planes and other residential and commercial buildings is also supported.

## Conclusion

The PMRA has completed an assessment of available information for Prescription Treatment Brand 221L Residual Insecticide Formula 2 and has found the information sufficient to support the addition of the following sites: apartments, daycares, homes, hospitals, laboratories, motels, resorts and transportation equipment to the label of Prescription Treatment Brand 221L Residual Insecticide Formula 2. As well, there is sufficient information to add the pest bed bug to the label of Prescription Treatment Brand 221L Residual Insecticide Formula 2.

## References

- 933941 2002, Evaluation of Residues of Lambda-Cyhalothrin Compared to D-Force HPX in the Control of the German Cockroach, American Cockroach, Argentine Ant, Confused Flour Beetle, Indian Meal Moth Larvae, and Field Cricket, DACO: 10.2.3.2
- 933942 2003, Laboratory bioassay to determine the efficacy of a directed spray of TC-241 for the control of bed bugs (*Cimex lectularius*), DACO: 10.2.3.2
- 933944 2003, Evaluation of Experimental Insecticide Formula 215-006, Compared to D-Force HPX, in the Control of the German Cockroach, American Cockroach, Argentine Ant, Confused Flour Beetle, Indian Meal Moth Adult, Indian Meal Moth Larvae, Paper Wasp, Western Yellowjacket, Honey Bee, House Fly, Stable Fly, Bed Bug, European Earwig, Silverfish and Field Cricket
- 933949 2003, Laboratory bioassay to determine the efficacy of residual deposits of TC 241 against the bed bug (*Cimex lectularius*), DACO: 10.2.3.2
- 1536556 2003, Laboratory bioassay to determine the efficacy of a directed spray of TC-241 for the control of bed bugs (*Cimex lectularius*), DACO: 10.2.3.2(A)

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