

## Evaluation Report for Category B, Subcategory 3.2, 3.3 and 3.10 Application

**Application Number:** 2010-3750  
**Application:** Changes to product label: Tank mixes, application timing, number or frequency.  
**Product:** Matador 120EC Insecticide  
**Registration Number:** 24984  
**Active ingredients (a.i.):** Lambda-cyhalothrin  
**PMRA Document Number English PDF:** 1982818

### Purpose of Application

The purpose of this application was to add to the Matador 120EC Insecticide label (guarantee of lambda-cyhalothrin 120 g/L; Registration Number 24984) (i) new tank-mixes with Achieve 40SC Herbicide (guarantee of talkoxydim 400g a.i./L; Registration Number 28664) and Liquid Achieve SC Herbicide (guarantee of tralkoxydim 400 g/L; Registration Number 28555), (ii) change the use directions for aerial application on corn for control of western bean cutworm, (iii) change the use directions for cutworms on tomatoes, (iv) make several other changes to the label text and format.

In addition, the tank mixes with Achieve 40DG Herbicide (guarantee of tralkoxydim 40%; Registration Number 22900) and Achieve 80DG Herbicide (guarantee of tralkoxydim 80%; Registration Number 24117) are to be removed from the Matador 120EC Insecticide label as these products are no longer registered in Canada.

### Chemistry Assessment

A chemistry assessment was not required for this application.

### Health Assessments

A toxicology assessment was not required for this application.

No new residue data were submitted, however, data previously reviewed were available to support and validate the label statement changes for Matador 120EC Insecticide.

Lambda-cyhalothrin is already registered for use in Canada on the same crops at similar rates, including tank-mixes. Residues of lambda-cylaholthrin and the epimer R157836 are expected to be covered by the currently established maximum residue limits (MRLs). Consequently, there is adequate protection of the consumer, including infants, children, adults and seniors from dietary residues of lambda-cyhalothrin following use in accordance with Good Agricultural Practices (GAP).

New quantitative occupational exposure assessments were not required. The replacement of tank-mix partners Achieve 40 DG Herbicide and Achieve 80 DG Herbicide with Achieve 40SC and Liquid Achieve SC Herbicide fit within the registered use patterns of the tank-mix partners on the Matador 120EC Insecticide label. Two aerial applications on corn for control of western bean cutworm is acceptable at rates of 83-187 mL/ha, as this rate range is within the registered use pattern. Application to tomatoes beyond the 5-leaf stage for control of cutworms is acceptable, as the number and rate of applications is registered, and no increases to post-application worker exposures are expected when the product use directions are followed.

### **Environmental Assessment**

As the application rates of active ingredients in the tank-mixes remain the same, no increase in the environmental exposure of the active ingredients is anticipated from the addition of tank-mix partners, Achieve 40SC Herbicide and Liquid Achieve SC Herbicide, and the removal of tank-mix partners, Achieve 40DG Herbicide and Achieve 80DG Herbicide. Therefore, the environmental risk from the use of the new tank-mixes is expected to remain the same and can be mitigated by following label instructions.

### **Value Assessment**

The substitution of tank mix partners from Achieve 40 DG and 80 DG Herbicide to Achieve 40SC and Liquid Achieve Herbicide is acceptable because Achieve 40DG and 80DG Herbicide have previously been shown to be agronomically equivalent to Achieve 40SC and Liquid Achieve Herbicide. Aerial application on corn for control of western bean cutworm at rates of 83-187 ml/ha is acceptable, as this rate range is within the registered use pattern. Application on tomatoes beyond the 5-leaf stage is acceptable to control cutworm species that damage tomatoes later in the season.

### **Conclusion**

The PMRA has completed an assessment of available information for Matador 120EC Insecticide and has found the information sufficient to support the changes to the Matador 120EC Insecticide label.

### **References**

- 1946828 2010, 10.2.3.1-1 - Rationale - MATADOR 120EC - TM with ACHIEVE Products, DACO:  
10.2.3.1

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