

**Section 12 Notice**

**Additional Information Required to Fulfill the Terms and Conditions for Conditional Registration**

**Product Name:** *ALTOSID XR BRIQUETS*  
**Registration Number:** *27694*  
**Application Number:** *2006-6857*  
**PMRA #:** *1445793*

During the conditional registration period which has been granted to December 31, 2008, the following information is to be generated and must be provided to the Pest Management Regulatory Agency by **September 1, 2007** and should indicate the reference numbers specified. A partial response to the outlined Terms and Conditions will not be accepted.

Please note that, in lieu of submitting the required data listed below, you may submit scientific rationales to waive the requirements. Upon receiving the rationales, the suitability of any waiver will be assessed during a full evaluation.

<b>PART 10</b>	<b>VALUE</b>
<b>DACO:</b>	10.2
<b>Title:</b>	Efficacy Studies
<b>DATA REQUIRED:</b>	<b>Provide at least one valid field trial testing the proposed end-use product, Altosid XR Briquets (2.1% (S)-methoprene, 37-g briquets) against a major mosquito pest species (e.g., Culex pipiens) in catch basins. Trials should include a range of catch basin sizes (including 1000 - 2000 L, 3000 - 5500 L, and 8000 - 11 000 L) to confirm the efficacy of the proposed application rate (i.e., one briquet per 5500 L, based on the catch basin=s size).</b>

**Data must be generated using good scientific principles and experimental design (e.g., adequate sampling, replication of experimental units, and inclusion of control catch basins). Trials should be conducted under adequate pest pressure, using the directions for use proposed on the label (e.g., proposed application rate, number of applications, timing of application). Trials should be conducted in Canada or northern United States, in conditions representative of those where the product will be used (e.g., same mosquito species, same type of catch basin, same environmental conditions). For general guidance refer to Regulatory Directive DIR2003-04: Efficacy Guidelines for Plant Protection Products.**

**For each trial, provide:**

- **the size of each catch basin treated (and size of connecting pipes if possible) (provide the internal dimensions of the structure and water volume contained in the basin at the time of application);**
- **information on water flow (e.g., rainfall) in catch basins in the study area during the treatment period;**
  - **application rates expressed as number of briquets per catch basin, number of briquets per water volume treated, and g of (S)-methoprene per water volume treated;**
  - **date(s) of application;**
  - **the size of larval populations in treated and control basins before application and at regular intervals during the treatment period to establish the pest pressure; and**
- **the number and proportion of adult mosquitoes that emerge per catch basin, at regular intervals during the treatment period, to establish the level of efficacy and duration of residual control. Emergence can be measured by using emergence cages containing a known number of larvae and placed in basins, or by collecting late-instar larvae and pupae from basins and letting them emerge in the laboratory.**

**Append the data on each catch basin to study reports.**