EFFICACY REVIEW

PRODUCT: Kaput Field Rodent Bait B
REG. NUMBER: 72500-11
DATE: February 13, 2009
GLP: Yes
BARCODE: D361515
DECISION: 394038
CHEMICAL: Diphenacine (0.0025%) Imidacloprid (0.025%)
CHEMICAL NUMBER: Diphenacine.....067701 Imidacloprid.....129099
PURPOSE: Data submitted in an attempt to supplement MRID 476033-01 (D361515). The registrant is wishing to add Oropsylla hirsuta to the label.
TEAM REVIEWER: Dan Peacock
EFFICACY REVIEWER: Kable Bo Davis, M.S., Entomologist
BACKGROUND:
Kaput Field Rodent B is a ready-to-use pesticide bait intended for the control of specific rodents and their infesting fleas. Multiple Agency reviews have been completed addressing the efficacy requirements for the insecticide portion of this product.

Agency review dated November 27, 2007 (D346846) contained the following comments regarding MRID 47256401:

"The submitted data support the addition of an 'aids in the reduction of populations of fleas infesting squirrels' claim."
“All references to *Oropsylla hirsuta* fleas must be deleted from the label.”

“The submitted data do not support the addition of *Oropsylla montana* fleas to the label. All references to *Oropsylla montana* must be revised to read *Oropsylla idahoensis*.”

Agency review dated December 15, 2008 (D358909) contained the following comments regarding MRID 47603301:

“The submitted data are adequate to support the addition of an “aids in the reduction of populations of fleas infesting prairie dogs” claim. More specifically, the data support the addition of claims for fleas within the genus *Oropsylla* (including *Oropsylla montana*).”

MRID 47633201 is a supplement to MRID 47603301 and has been submitted in an attempt to add *Oropsylla hirsuta* fleas to the label.

**DATA REVIEW:**


The fleas used in MRID 47603301 were only identified down to the genus level (*Oropsylla*). As outlined in Agency review dated December 15, 2008, the experimental design consisted of dividing 15 prairie dogs intro three groups of five. Prairie dogs in groups 1 and 2 were treated with either imidacloprid only or imidacloprid and diphacinone, while the prairie dogs in group 3 served as controls. The number of fleas applied to each rodent ranged from ~22 to ~35.

MRID 47633201 consists of further identification of 24 fleas used in the study referenced above. All 24 were identified as *Oropsylla hirsuta*.

**RECOMMENDATIONS:**

The claims allowed per Agency reviews dated November 27, 2007 (D346846) and December 15, 2008 (D358909) may be revised to include all fleas within the genus *Oropsylla*. More specifically, the label may list each of the following species: *Oropsylla idahoensis*, *Oropsylla montana* and *Oropsylla hirsuta*. 
