

US EPA ARCHIVE DOCUMENT

EFFICACY REVIEW

PRODUCT: Kaput Field Rodent Bait B

REG. NUMBER: 72500-11

DATE: February 13, 2009

GLP: Yes

BARCODE: D361515

DECISION: 394038

CHEMICAL: Diphacinone (0.0025%)
Imidacloprid (0.025%)

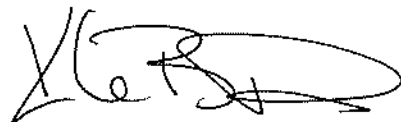
CHEMICAL NUMBER: Diphacinone.....067701
Imidacloprid.....129099

PURPOSE: Data submitted in an attempt to supplement MRID 476033-01 (D361515). The registrant is wishing to add *Oropsylla hirsuta* to the label.

MRIDS: 47633201. Poche, R. (2008) *Determining the Blood Titer Levels and the Effectiveness of Kaput Field Rodent Bait B Against Oropsylla spp. Fleas on Black-Tailed Prairie Dogs (Cynomys ludovicianus): Final Report. Project Number: 08015A1, 08015. Unpublished study prepared by Genesis Laboratories, Inc. 6 p.*

TEAM REVIEWER: Dan Peacock

EFFICACY REVIEWER: Kable Bo Davis, M.S., Entomologist



2-13-09

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 4763320I is a supplement to MRID 4760330I and has been submitted in an attempt to add *Oropsylla hirsuta* fleas to the label.

DATA REVIEW:

47633201. Poche, R. (2008) Determining the Blood Titer Levels and the Effectiveness of Kaput Field Rodent Bait B Against *Oropsylla* spp. Fleas on Black-Tailed Prairie Dogs (*Cynomys ludovicianus*): Final Report. Project Number: 08015A1, 08015. Unpublished study prepared by Genesis Laboratories, Inc. 6 p.

The fleas used in MRID 4760330I 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 into 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 4763320I 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*.