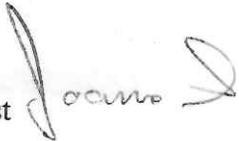


EFFICACY REVIEW

PRODUCT: Chemisco Roach Control 5DW
REG. NUMBER: 9688-239
DATE: January 28, 2011
DP BARCODE: D385569
DECISION NUMBER: 443696
GLP: No
CHEMICAL: Dinotefuran (0.05%); liquid-wick style bait station
CHEMICAL NUMBER: 044312
PURPOSE: Provide efficacy data to support the addition of new marketing claims.
MRID: 48336901. Wood, T. (2010) Efficacy of Chemsico Roach Control 5DW against German Cockroach Eggs. Unpublished study prepared by United Industries Corporation. 7 p.
TEAM REVIEWER: Rita Kumar
EFFICACY REVIEWER: Joanne S. Edwards, M.S., Entomologist  Edwards
1/28/11
SECONDARY EFFICACY REVIEWER: Autumn Metzger, M.S., Biologist  1/28/11

BACKGROUND:

Chemsico Roach Control 5DW is a ready-to-use insecticide intended for the indoor residential control of cockroaches. The product consists of (1 oz/ 0.45 oz.) liquid-wick style bait stations that are to be placed in areas where roaches have been seen or in out of the way areas near walls in cabinets, under sinks and refrigerators and in closets. Five stations are to be placed in the kitchen and one in the bathroom, and increased if heavy cockroach pressure. The user is directed to examine the stations at monthly intervals and replace if found to be empty.

The new claims requested are “Kills roach eggs”; “Kills roaches and the eggs they carry”, and “Roaches die, along with the eggs they carry.”

DATA REVIEW:

The following data review is comprised of explanations of materials and methods, and a summation of experimental results containing tables with reformatted data.

48321301. Wood, T. (2010) Efficacy of Chemsico Roach Control 5DW against German Cockroach Eggs. Unpublished study prepared by United Industries Corporation. 7 p.

Egg Case Viability Study

The experimental design consisted of introducing fifteen female German cockroaches carrying ootheca into each of four (10-gallon) aquariums containing food, water and harborage. Post-introduction, one bait station (report doesn't state which size) was placed into each of three aquariums. One aquarium served as the control (no bait station; contained food, water and harborage.). The number of ootheca producing viable cockroach nymphs was recorded daily.

Results-

Table 1. Egg Case Viability

Treatment At Time 0	% Total Hatched Ootheca					
	24-hr	72-hr	168-hr	336-hr	384-hr	408-hr
Bait	2.2%	6.7%	11.1%	13.3%	13.3%	13.3%
Control	0%	13.3%	20%	80%	80%	80%
Treatment at 3 Months	24-hr	72-hr	192-hr	216-hr	264-hr	360-hr
Bait (4-month)	0%	8.9%	13.3%	13.3%	13.3%	13.3
Control	0%	6.7%	46.7%	53.3%	86.7%	86.7%

Tests show a decrease in the number of viable eggs and nymph hatchings for German cockroaches exposed to Chemsico Roach Control.

RECOMMENDATIONS:

There is no objection to the claims "Roaches die, along with the eggs they carry" and " Kills Roaches and the Eggs they Carry". Delete the phrase "Kills roach eggs", since this implies the product works as a direct ovicide.