

Study compares palatability of brodifacoum rodenticides Havoc[®] Attack and Jaguar

Introduction

All modern rodenticides will kill target rodents if eaten in sufficient quantities. The challenge for rodenticide manufacturers is to produce a palatable product that a rodent will eat in a lethal dose.

A study was performed to evaluate and compare the palatability of Jaguar (Bell Labs) and Havoc[®] Attack (Hacco) brodifacoum rodenticides. The products' active ingredient, the same second generation anticoagulant brodifacoum, is present in the same concentration in both products.

Test Method

For the study, 10 rats and 10 mice were used, with the rats individually housed in stainless steel screen bottom cages, and mice housed in same-sex groups of six in screen bottom metal cages. Identification, housing, and laboratory conditions were maintained according to the EPA's protocol for rats and mice in a GLP laboratory facility.

Commercially available rodent feed and water were constantly available during the pre-test period. At the end of the pre-test period, the feed was replaced with test and control diets. Both diets were offered in identical containers placed on the opposite sides of the cage. The position of each container was reversed daily to preclude a position bias. Diets were fed to test animals for three days. All test animals were closely observed for abnormal behavior during both testing periods.

Results

As shown in Table 1, Havoc[®] Attack demonstrated nearly 21% greater acceptance by mice and 10% greater acceptance by rats as compared with Jaguar.

**Study performed at Hacco, Inc.*

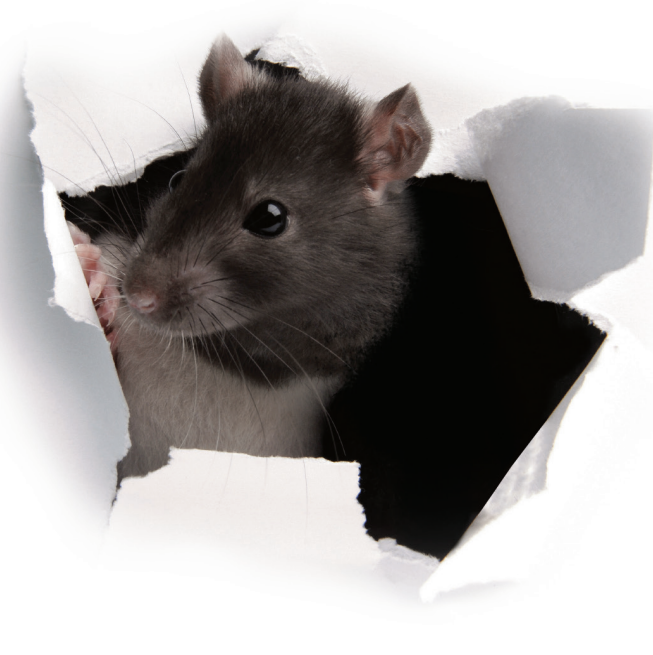


TABLE 1 ACCEPTANCE OF HAVOC ATTACK AND JAGUAR BY RATS AND MICE

TEST ANIMALS	HAVOC ATTACK	JAGUAR
Rats	51%	41%
Mice	45%	24%



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