

Kaput[®]



DEVELOPMENT OF **KAPUT RODENT & TICK BAIT**

In November 2021 the US EPA approved the Scimetrics' product registration for *Kaput Rodent & Tick Bait*. The rodenticide-insecticide product is the only one of its kind in the US to help control rodents and combat Lyme Disease. Research into this bait initiated in 1991 with initial studies conducted in Wisconsin. The bait not only eliminates the numerous rodent species, including the white-footed mouse *Peromyscus leucopus*, the main host of blacklegged ticks *Ixodes scapularis* that may transmit Lyme Disease.

The white-footed mouse is the main reservoir for the bacterium *Borrelia burgdorferi*, the causative agent for Lyme Disease. In short the white-footed mouse picks up the bacterium from the leaf litter; the larval black-legged ticks questing for a first bloodmeal from the mouse which contains *Borrelia*; the tick emerges the following spring as a nymph that may bite humans and transfer the *Borellia* into humans; and Lyme Disease may develop.

Extensive laboratory studies were conducted in order to obtain EPA approval of *Kaput Rodent and Tick Bait*. The bait is now available in 4- and 18- pound pails, from Scimetrics, the manufacturer of the product.

Be certain to read the DIRECTIONS FOR USE carefully on the product label

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Laboratory Test Results with KAPUT RODENT & TICK BAIT Using EPA OPPTS Testing Guidelines

RODENT SPECIES	EFFICACY¹	ACCEPTANCE²
House Mouse <i>Mus musculus</i>	100%	44.8%
Norway Rat <i>Rattus norvegicus</i>	100%	36.1%
White-footed Mouse <i>Peromyscus leucopus</i>	100%	45.5%
Black-legged ticks ¹ <i>Ixodes scapularis</i>	100%	

¹ Percent rodent mortality in study

$$\text{Bait Acceptance } (\%) = \frac{\text{Total Bait Eaten (grams)}}{\text{Total Bait Eaten} - \text{Placebo Diet Eaten}} \times 100$$