

THERMACELL PRO UNIVERSITY

Cotton Study



Do Mice Collect Cotton from Thermacell Tick Control Tubes?

Mice Line their Nests with Cotton from Tick Control Tubes

Thermacell Tick Control Tubes are filled with cotton treated with permethrin insecticide, an active ingredient toxic for ticks. Mice collect the cotton and use it to line their nests.

Soft, fluffy cotton is attractive to mice as an ideal nest material so Thermacell uses premium, natural, unbleached cotton in its tick control tubes.



Mice are nocturnal, foraging for food at night. The University of Rhode Island's Tick Encounter Resource Center used night cameras to catch mice in action collecting cotton from tick control tubes.



Mice collecting cotton from a Thermacell Tick Tube. Watch the video here: <https://bit.ly/2GYxd9t>

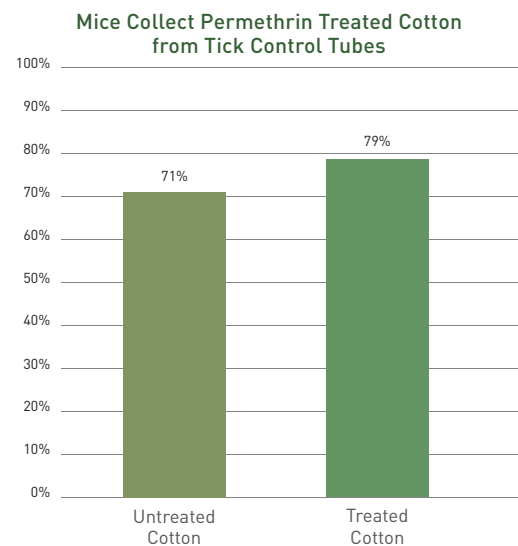
Field Tests Show Mice Collect Cotton from Tick Control Tubes

As part of Thermacell product development, field tests were conducted in 2016 to prove that mice readily collect treated cotton for their nests.

Field tests were conducted in suburban backyards in two groups: tubes with treated cotton and tubes with untreated cotton. Mice removed both treated and

untreated cotton from tick control tubes, showing a preference for tubes with treated cotton over untreated cotton (79% vs 71%), indicating that mice find treated cotton a highly acceptable nesting material.

Cotton removal would have been even higher than 79% if the study had allowed tubes to be repositioned from low mouse traffic areas to high traffic areas where mice had already removed cotton from tubes.



Source: Field Studies conducted by M.D Drehmann et al., University of Hohenheim as part of the Tick Control Tube data submission to the E.U for product registration.