



Extension

UNIVERSITY OF WISCONSIN-MADISON

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Drugstore Beetles

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The drugstore beetle and the closely related cigarette beetle are small reddish-brown beetles that infest grains, pet food, straw flowers, tea, old rodent bait, red pepper, flour, spices, leather, animal hair, tobacco and other dried plant material. Historically, these insects were often pests



A drugstore beetle adult.

of herbal medicines and pharmaceuticals, thus their common name. Drugstore beetles are brought into the home on food items, and often spread to other products before an infestation is discovered.

Life cycle: The life cycle of the drugstore beetle takes three to four months at room temperatures. Small C-shaped grubs can be found feeding inside infested products. Adults are $\frac{1}{8}$ to $\frac{1}{10}$ inch long and cylindrical. Infested products often have small round "shot holes" in packaging and large amounts of dusty frass (insect waste) inside. Holes and damage found in packaging are caused by the adults as they leave the product. Drug store

beetles are unusual for grain pests because the adults can fly and often collect near lights and windows. Adults can often be found a good distance from the source, which makes locating the source of the infestation difficult.

Control: Because drugstore beetles are food pests, the best control is to clean up and dispose of infested products. Check all potential products for activity. Uninfested dry goods should be stored in sturdy glass or plastic containers with tight fitting lids to prevent spread of the infestation. Heating infested products to 140°F for two to three hours or freezing at 20°F or less for 48 hours will kill all life stages. You cannot control this pest with insecticides because you cannot spray the food source. The number of beetles should drop within one to two weeks of the clean-up. If beetle numbers remain high, look for other sources of the problem within the home.

For more information on drugstore beetles: Contact your county Extension agent.

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References to pesticide products in this publication are for your convenience and are not an endorsement or criticism of one product over similar products. You are responsible for using pesticides according to the manufacturer's current label directions. Follow directions exactly to protect the environment and people from pesticide exposure. Failure to do so violates the law.

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A complete inventory of University of Wisconsin Garden Facts is available at the University of Wisconsin-Madison Division of Extension Plant Disease Diagnostics Clinic website: <https://pdcd.wisc.edu>.