

Pest Profile



Photo credit: By Jim Kalisch, University of Nebraska-Lincoln

Common Name: Drugstore Beetle

Scientific Name: *Stegobium paniceum* (Linnaeus)

Order and Family: Coleoptera: Anobiidae

Size and Appearance: Adults are about 2- 3.5 mm in length with a distinct reddish brown coloration. Drugstore beetles have clubbed antennae, pits distributed in rows on the elytra, and a head not visible from a dorsal view. The larva is roughly 2-3 mm in length, C-shaped, and white in color. It also features well developed segmented legs.

	Length (mm)	Appearance
Egg	0.1 mm in length	Oval, white, and dull in appearance. Deposited on or around food material.
Larva/Nymph	2-3 mm in length depending on instar	C-shaped, white, well developed legs. 4-6 instars.
Adult	2-3.5 mm long	Red/brown in color, clubbed antennae, pits on elytra in rows, head not directly visible from dorsal view.
Pupa (if applicable)	3 mm long	Silken with food materials strewn in. Also deposited within food larvae has fed on.

Type of feeder (Chewing, sucking, etc.): Chewing

Host food product/s: *Stegobium paniceum* feeds on any household stored food or spice item. It seems to have a strong preference for bread, breakfast food, condiments, and flour. It is also a known pest of museum specimens, books, drugs, leather, and hair.

Description of Damage (larvae and adults): Drugstore beetles have a wide range of materials they will consume, which results in economic losses for those in associated industries. They can also bore into books, valuable documents, and consume specimens. Both larval and adult forms are damaging.

References:

Smith, E.H. and Whitman, R.C. (2007). Stored Product Pests- Drugstore Beetle. In *NPMA Field Guide of Structural Pests*. (9.3.1). National Pest Management Association International.

Cabrera, J. (2001). Drugstore Beetle. University of Florida, Department of Entomology and Nematology. Retrieved July 20th, 2016 from http://entnemdept.ufl.edu/creatures/urban/stored/drugstore_beetle.htm