

Pest Profile



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Common Name: Cadelle Beetle

Scientific Name: *Tenebroides mauritanicus*

Order and Family: Coleoptera: Tenebrionidae

Size and Appearance: Adults of this common stored product pest are up to 0.6 inches in length, making them one of the largest of the stored product pests. They feature a dark brown to black coloration, a narrow waist, and threaded antennae. The larvae of the species are noted for their distinct black heads and large size at about 15 mm in length.

	Length (mm)	Appearance
Egg	< 0.05 mm in length	Yellowish oval eggs are laid in clusters of 10-60 in or on stored grains. An adult female can lay over 1000 in a lifetime (1 yr)
Larva/Nymph	0.6 mm- 1 inch long depending on instar	Large, white, black head, two horned points on rear.
Adult	0.6 inches long	Largest of stored product pests, reddish-brown to shiny black, beaded antennae, narrow waist.
Pupa (if applicable)	.3 in long	Pupal cased formed from the last larval skin and pupate in stored food product.

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

Host /s: *Tenebroides mauritanicus* will feed on a variety of stored products including most grains, flours, and meals.

Description of Damage (larvae and adults): Irregular holes in whole kernels is generally a sign of this pest as it has a preference for the seed germ over the endosperm. If grains are kept in wooden bins, it is easy for them to bore into as larvae and consume product.

References:

Smith, E.H. and Whitman, R.C. (2007). Stored Product Pests- Cadelle Beetle. In *NPMA Field Guide of Structural Pests*. (7.1.1). National Pest Management Association International.

H., Johnson, N., Borror and Delongs Introduction to the Study of Insects. Brooks/Cole, 7th Ed. 2005. Pp. 672 & 729-730.

Johnson, D. 2001. Insect Pests of Stored Grains, Cadelle Beetle. University of Kentucky Agricultural Extension. Department of Entomology. Retrieved from the web on October 8th, 2016 from: <https://entomology.ca.uky.edu/ef134>