

## Pest Profile



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**Common Name:** Rice Weevil

**Scientific Name:** *Sitophilus oryzae* (Linnaeus)

**Order and Family:** Coleoptera: Curculionidae

**Size and Appearance:** Adult rice weevils are about 2.5-3.5 mm in length, a dull reddish-brown, elytra with 4 red marks, and pits on the thorax. The larvae are legless, smooth, and white in color.

	Length (mm)	Appearance
Egg	0.1 mm in length	Female bores hole in a grain kernel to deposit small, white, round eggs. She seals the kernel with a gelatinous material upon departure.
Larva/Nymph	1-4 mm in length depending on instar	Smooth, white, legless, with darkened heads. 3-4 instars.
Adult	2.5-3.5 mm long	Dull reddish-brown with 4 marks on elytra, pits on thorax, snout.
Pupa (if applicable)	3-4 mm long	Pupates without larval skin or debris and stays within the kernel until emergence.

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

**Host food product/s:** *Sitophilus oryzae* feeds on a variety of grains including corn, rice, wheat, beans, cereal, rye, buckwheat, cotton, and grapes.

**Description of Damage (larvae and adults):** Considered one of the most important stored grain pests. Adults fly from stored grain to infest field crops, which then continues with storage process. Body parts, eggs, and frass make product unfit for human consumption.

**References:**

Smith, E.H. and Whitman, R.C. (2007). Stored Product Pests- Rice Weevil. In *NPMA Field Guide of Structural Pests*. (9.26.1). National Pest Management Association International.

Jacobs, S., Calvin, D. (2001). Weevils on Stored Grains. Penn State College of Agricultural Sciences, Department of Entomology. Retrieved July 24<sup>th</sup>, 2016 from <http://ento.psu.edu/extension/factsheets/pdf/weevilsgrain.pdf>