

Pest Profile



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Common Name: Bean seed maggot

Scientific Name: *Delia florilega*

Order and Family: Diptera; Anthomyiidae

Size and Appearance:

	Length (mm)	Appearance
Egg	5mm	White in color, slightly curved with posterior bluntly rounded. Slightly raised ridges run the length and width forming tiny rectangles twice as long as wide.
Larva/Nymph	5-6mm	White, lacks a visible head.
Adult	5mm	Resembles a house fly in color, but smaller and more slender.
Pupa (if applicable)	8mm	Oval, reddish brown.

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

Host plant/s: These maggots damage seeds and seedlings of beans, corn, peas and various vegetable crops. Considerable injury and stand loss occurs in early-planted beans.

Description of Damage (larvae and adults): Maggots reaching the seed as sprouting begins feed between the cotyledons and damage the plant embryo. Seeds with damaged germs die or develop into deformed plants, which give low yields.

Maggots that attack after seeds sprout bore into the stem, usually causing the plant to wither and die. In early spring, if soil is wet and cold during seed sprout, damage is especially severe. (Tetrault, 1982)

References:

Tetrault, R. (1982, January). *Insect Advice from Extension*. Retrieved from <http://ento.psu.edu/extension/factsheets/bean-seed-maggot>