

Pest Profile



Photo credit: Tom murray, bugguide.net



Photo credit: Justin Renkema, University of Florida

Common Name: Strawberry Leafroller

Scientific Name: *Ancylis comptana*

Order and Family: Lepidoptera, Tortricidae

Size and Appearance:

	Length (mm)	Appearance
Egg	Small	- The eggs are oval and change in color from pale green to yellow as they develop.
Larva/Nymph	Larvae are 1.5 to 12 mm long	- Larvae are slender. Young larvae are pale-green with a brown head, but mature larvae have a light-brown head and yellowish-brown body. - Larvae release silken threads used to fold leaves around

		their bodies while they feed.
Adult	Wingspan of 10-13 mm	- Forewings are light to dark reddish brown, with lighter tan and white areas streaked with darker brown, particularly on distal ends. - Hindwings are gray.
Pupa (if applicable)	8.5 mm in length	- Change in color from yellowish to dark brown over time.

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

Host plant/s: Strawberry leafroller is found primarily on plants in the rose family (Rosaceae), including cultivated strawberry (*Fragaria* spp.) and blackberry and raspberry (*Rubus* spp.), as well as cinquefoil (*Potentilla* spp.), roses (*Rosa* spp.), and *Dryas octopetala*. It has also been recorded on small burnet (*Sanguisorba minor*) and thyme (*Thymus* spp.).

Description of Damage (larvae and adults): Damage caused by strawberry leafroller is mostly confined to plant leaves; however, under heavy infestations, fruit can become small and distorted due to severely affected plants. Larvae feed on and fold or roll leaves, causing shriveling and withering so that fields appear scorched or burnt when populations are high. Within the folded leaves, the larvae feed on the epidermis layer only. Web-like threads appear on affected leaves with brown spots where feeding has occurred. Larvae may also feed on ripening fruit such as strawberries and raspberries. Adults also cause damage.

References:

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