

This short description was prepared in the framework of the EU FP7 project DROPSA - Strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens (grant agreement no. 613678). This pest was listed in the DROPSA alert lists for apple and *Vitis* fruit.

Argyrotaenia velutinana (Lepidoptera: Tortricidae)

Fruit pathway: larvae feed on fruit and continue feeding on fallen fruit. They even may remain on fruits during transport (Gilligan and Epstein 2014). On grapes, the larvae construct webbing within the grape clusters, chewing holes into the berries and feeding on the cluster stems. The third generation may cause considerably more damage than the first two (The Ohio State University nd.).

Other pathways: plants for planting; eggs on bark and leaves, larvae also feed on leaves, pupae in leaves on the ground (Gilligan and Epstein 2014).

Hosts: highly polyphagous on many herbaceous and woody plants, primary hosts are *Malus* and other Rosaceae (e.g. *Prunus*, *Rosa*; Gilligan and Epstein 2014). Other hosts incl. *Vaccinium* (Brown et al. 2008), *Vitis vinifera*, coniferous or deciduous trees (e.g. in genera *Abies*, *Pinus*, *Picea*, *Larix*, *Tsuga*, *Betula*, *Alnus*, *Populus*, *Salix*, *Ulmus*), ornamentals (e.g. *Chrysanthemum*, *Geranium*, *Viola*) (Gilligan and Epstein 2014).

Distribution: North America: USA, Canada (CABI CPC; University of Alberta 2016)

Damage: In apples, feeding of larvae causes rot and early drop of fruit; considered a major apple pest in the Eastern USA around the middle of the 20th century, today mostly under control with IPM strategies (Gilligan and Epstein 2014).

In grape, serious infestations of *A. velutinana* are not common. A few infested clusters may be found every year (The Ohio State University nd.). Possible damage on other hosts was not considered here.

Impact: High (on apple, in the past)	Intercepted: Not known	Spreading/invasive: Not known
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References:

CABI CPC. Crop Protection Compendium. CAB International, UK. URL: <http://www.cabi.org/cpc>
 Gilligan TM, Epstein M 2014. Tortricids of Agricultural Importance. Interactive Keys developed in Lucid 3.5. Last updated August 2014.

http://idtools.org/id/leps/tortai/Argyrotaenia_velutinana.htm

The Ohio State University nd. Redbanded Leafroller, *Argyrotaenia velutinana* (Walker). Insects and Mite Pests of Grapes in Ohio and the Midwest. <http://www.oardc.ohio-state.edu/grapeipm/index.htm>, accessed 31.10.2016.

University of Alberta 2016. Entomology Collection: Species page –*Argyrotaenia velutinana*. University of Alberta E.H. Strickland Entomological Museum, http://www.entomology.ualberta.ca/searching_species_details.php?c=8&rnd=45013610&s=25799, accessed 31.10.2016.