

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 list for apple fruit.

**Argyresthia assimilis (Lepidoptera: Yponomeutidae)**

**Fruit pathway:** *A. assimilis* lays eggs on fruit (near calyx) and larvae bore into fruit of apple (Biosecurity Australia 2010, citing others)

**Other pathways:** soil; pupae develop in soil (Biosecurity Australia 2010, citing others)

**Hosts:** *Malus* spp. (Biosecurity Australia, citing others)

**Distribution:** Asia: China (Biosecurity Australia 2010, citing others), Japan (Lewis and Sohn 2015)

**Damage:** Newly hatched larvae bore into the fruit from the calyx. Feeding damage is obvious as fruit juices seep from the entry hole and dry as white powder. *A. assimilis* caused 30-67% fruit infestation in apples in Shaanxi and Gansu provinces of China in the early 1980s (Biosecurity Australia 2010, citing others). No information was found on the situation in Japan.

<b>Impact:</b> High (in the past)	<b>Intercepted:</b> Not known	<b>Spreading/invasive:</b> Not known
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**References:**

- Biosecurity Australia 2010. Final import risk analysis report for fresh apple fruit from the People's Republic of China. Department of Agriculture, Fisheries and Forestry, Canberra, 370 p.
- Lewis JA, Sohn J-C 2015. Lepidoptera: Yponomeutoidea I (Argyresthiidae, Attevidae, Praydidae, Scythropiidae and Yponomeutidae). Koninklijke Brill, Leiden, Netherlands, 278 p.