

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.

***Rhynchites heros* (Coleoptera: Attelabidae)**

**Fruit pathway:** eggs are laid into young fruit (Katsumata 1934), larvae develop in fruit (Leschen and Beutel 2014)

**Other pathways:** plants for planting, soil; adults feed on buds, pupae in soil (Katsumata 1934)

**Hosts:** *Malus domestica*, *Pyrus*, *Prunus*, *Cydonia*, *Eriobotrya japonica* (Wilson and Graham 1983)

**Distribution:** Asia: China, Japan, Korea, Taiwan (Wilson and Graham 1983)

**Damage:** *R. heros* attacks many fruit crops and other plant species, can cause great damage and requires active management during the growing season. Adults feed on plants and fruit and oviposit in the fruit. Infestation can cause considerable fruit drop. Feeding by larval *Rhynchites* has also been shown to encourage infestations of the fungus *Sclerotinia fructigena* (a synonym of *Monilinia fructigena*) (Biosecurity Australia 2010). Pest of apples and sometimes also serious damage to pear (Katsumata 1934); common on apple throughout Japan, but also attacks pear, peach, plum, loquat and other fruits (Cornell University 2011).

**Other information:** listed as a medium risk for the import of apple from China in USDA 2014. Synonym: *Rhynchites coreanus*, *R. foveipennis*.

<b>Impact:</b> Moderate (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.
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- Katsumata K 1934. Results of Studies on *Rhynchites heros* Roelofs. Publ. Ishikawa agric. Exp. Stn., 45 p.
- Leschen RAB, Beutel RG 2014. Handbook of Zoology, Coleoptera, Vol. 3: Morphology and Systematics (Phytophaga). De Gruyter, Berlin, 687 p.
- USDA 2014. Importation of apples (*Malus pumila*) from China into the Continental United States - A Qualitative, Pathway-Initiated Pest Risk Assessment. United States Department of Agriculture, Animal and Plant Health Inspection Service, Plant Protection and Quarantine, 293 p.
- Wilson CL, Graham CL (eds.) 1983. Exotic plant pests and North American agriculture. Academic Press, New York, USA, 538 p.