



Sveriges lantbruksuniversitet
Swedish University of Agricultural Sciences

SLU Risk Assessment of Plant Pests

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Is *Garella musculana* or *Pochazia shantungensis* present in Sweden?

1 Background

Following commodity risk assessments of *Juglans regia* and *Robinia pseudoacacia* from Turkey performed by EFSA, two pests were identified to be of concern, i.e. *Garella musculana* (Erschov) and *Pochazia shantungensis* (Chou & Lu) (EC 2021). The EU Commission has requested the MSs to provide information on the pest status of these two species.

Garella musculana (Lepidoptera: Nolidae, EPPO code: ERSHMU) is a pest of especially *J. regia*, but has also been reported on *J. nigra* (EPPO 2021a). The common name is Asian walnut moth (familjen trågspinnare, SLU Artdatabanken 2021). The pest is reported as present in southwestern parts of Asia (India, Kazakhstan, Tajikistan, Turkmenistan, Uzbekistan) and southeastern parts of Europe (Bulgaria, Romania, Russia, Turkey, Ukraine) (EPPO 2021a).

Pochazia shantungensis (Hemiptera: Ricaniidae, EPPO code: POCZSH) is a polyphagous pest, e.g. 138 plant species in 62 families has been reported as hosts in Korea (Kim et al. 2015). It is a species of planthopper (underordningen stritar, SLU Artdatabanken 2021). The pest is reported as present in Asia (China and Korea) and in Europe (France and Turkey) (EPPO 2021a).

SLU Risk assessment of plant pests was requested by the Swedish Board of Agriculture to investigate whether there is any evidence suggesting that the pests are present in Sweden.

2 Presence of the pests in Sweden

The species Latin names and synonyms were used to search for information in databases, the scientific literature and grey literature. The following synonyms were found for *G. musculana*: *Erschoviella musculana*, *Nycteola musculana*, *Sarrothripa musculana*, *Sarrothripus musculana* (EPPO 2005; 2021a). One synonym for *P. shantungensis* was found, i.e., *Ricania shantungensis* (EPPO 2021a).

Searches were done in the following databases: Artfakta (SLU Artdatabanken 2021), CABI Crop protection compendium (CABI 2021), Global Biodiversity Information Facility (GBIF Secretariat 2021a,b,c), Pest Information Wiki (Pestinfo-Wiki contributors 2021), HOSTS - a Database of the World's Lepidopteran Hostplants (Robinson et al. 2010), FLOW Fugoromorpha Lists On the Web (Bourgoin 2019), Web of Science, Google Search and Google Scholar.

Swedish experts on these insect groups were contacted and confirmed that the species have not been found in Sweden (see Acknowledgement).

No information was found that any of the pests has been reported from Sweden.

3 Additional information

Both species have been alerted by EPPO. In 2003, EPPO performed a PRA for *G. musculana* (using the synonymous *Erschoviella musculana*; EPPO 2003b,c) and the same year the pest was added to the A2 list, i.e. lists of pests recommended for regulation as quarantine pests (EPPO 2003a).

Pochazia shantungensis was added to the EPPO Alert list in 2021 (EPPO 2021b).

4 Conclusion

No information was found that *G. musculana* or *P. shantungensis* are present in Sweden.

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6 Authors

This report was prepared by SLU Risk Assessment of Plant Pests at the Swedish University of Agricultural Sciences:

Johanna Boberg, Dept. of Forest Mycology and Plant Pathology, Swedish University of Agricultural Sciences, PO Box 7026, SE-750 07 Uppsala, Sweden. Visiting address: Almas allé 5, E-mail: Johanna.Boberg@slu.se

Niklas Björklund, Dept. of Ecology, Swedish University of Agricultural Sciences, P.O. Box 7044, SE-750 07 Uppsala, Sweden. Visiting address: Ullsväg 16, E-mail: Niklas.Bjorklund@slu.se

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