

***Trichilogaster acaciaelongifoliae* (Hymenoptera: Melanosomellidae)**

Included in: PM 6/3 Biological control agents safely used in the EPPO region (2025): Appendix 2 – Classical BCAs successfully established in the EPPO region

Further details are given for each BCA, including its name, common synonyms, taxonomic classification, the pest(s) against which it has been released, date of first use, whether the BCA was introduced as single or multiple introductions and the origin of the collected material. Countries where the BCA has been introduced for classical biological control in the EPPO region are also listed. The presence of a BCA on the list means that it has been successfully established in at least one of the countries mentioned. The results of the introductions in target pest control, and results of introduction, in different countries are given, when available, as follows: [C] complete, [S] substantial, [P] partial, [E] established but not contributing to control or status unknown, [F] failed to become established, [N] no information on the outcome, [T] established but believed to have died out. Asterisks (*) indicate cases where more than one BCA contributed to the result. In cases where information is not known a (?) is detailed. Information on countries and results of introductions are given on the basis of information provided by the BIOCAT database of CABI (data from 1890s until 2010) and by some EPPO countries. Countries are, as far as possible, listed in the chronological order of introduction of the agent for classical biological control. The list of countries indicates to a certain degree the area in which each organism is present and established in the EPPO region, to the extent that each successful introduction can be presumed to have involved establishment. However, organisms may already be indigenous in some parts of the EPPO region, or have spread from countries where they were introduced, or indeed have disappeared from countries where they were once established, so the true distribution is uncertain in many cases. In some cases, a general statement can be made about the present distribution in the EPPO region and this has been added in italics at the end of the list of countries.

Detailed information (from PM 6/3 Biological control agents safely used in the EPPO region: EPPO, 2021 (2026 version))

Trichilogaster acaciaelongifoliae

Family	Melanosomellidae
Target pest	Acacia longifolia (invasive alien plant)
Date of first use	2015
EPPO countries where introduced	Portugal, Spain (spread from Portugal)
Multiple/single introductions	Multiple
Origin of collected material	South Africa

EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION

Criteria used for adding *Trichilogaster acaciaelongifoliae* to PM 6/3 Biological control agents safely used in the EPPO region (Appendix 2)

1. Criteria used for addition to the List

Classical BCA that is found at least five years after release to be successfully established in part of or the whole of the EPPO region	☒
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AND

There are no previous reports of adverse effects	☒
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Criteria	Summary information (for EPPO region*)	References
Classical BCA that is found at least five years after release to be successfully established in part of, or the whole of the EPPO region	<i>Trichilogaster acaciaelongifoliae</i> , a BCA of <i>Acacia longifolia</i> , was released in Portugal in 2015 and has been established since 2016. It has spread naturally to Galicia, Spain. The BCA is effectively reducing seed production and vegetative growth of the target species, with no significant non-target effects detected to date.	(Impson et al., 2023; López-Núñez et al., 2025, 2021, 2017; E. Marchante et al., 2017; Marchante et al., 2016, 2023, 2021, 2020, 2019, 2018)

References

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EUROPEAN AND MEDITERRANEAN PLANT PROTECTION ORGANIZATION

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