

California Pest Rating Proposal

Cyclorhipidion bodoanum (Reitter): An ambrosia beetle

Coleoptera: Curculionidae: Scolytinae

Current Rating: Z

Proposed Rating: C

Comment Period: **07/02/2026-08/16/2026**

Initiating Event:

A sample of *Cyclorhipidion bodoanum* was collected in the environment in Merced County in May 2026 . Therefore, a pest rating proposal is needed.

History & Status:

Background: *Cyclorhipidion bodoanum* is reported to be associated with trees in the family Fagaceae, mostly oaks (*Quercus* species) (Smith et al., 2020), and the abundance of this beetle appears to be higher in forests dominated by oak trees (Holuša et al., 2021). Host records include a log of an unidentified tree in the family Fagaceae, *Quercus glauca*, and *Castanea* sp. (Bussler and Müller, 2004 in Bussler and Immler, 2007; Smith et al., 2020). Female *C. bodoanum* were reported boring into walnut (*Juglans* sp.) trees in California (Seybold et al., 2016).

No reports of impacts by *C. bodoanum* were found. However, as an ambrosia beetle, there is presumably the possibility for this beetle to impact stressed trees, especially in new environments and with new host tree species.

Worldwide Distribution: *Cyclorhipidion bodoanum* is native to Eastern Asia. It is reported from: **Asia:**

China, Hong Kong, Russian Federation (Siberia), Taiwan, Vietnam; **Europe:** Widespread in Western

Europe, Czech Republic; **North America:** United States (Alabama, Arkansas, Delaware, Florida, Georgia, Kansas, Illinois, Louisiana, Maryland, Michigan, Mississippi, Missouri, North Carolina, Ohio, Oklahoma, Oregon, South Carolina, Tennessee, Texas, and Washington) (California Department of Food and Agriculture; Fiala et al., 2021; Gomez et al., 2018; Helm and Molano-Flores, 2015; Miller et al., 2018; Smith et al., 2020).

Official Control: *Cyclorhipidion bodoanum* is not known to be under official control.

California Distribution: *Cyclorhipidion bodoanum* was trapped in Merced County, California in May 2026 (California Department of Food and Agriculture). Specimens were also collected in 2003 in Amador and Placer counties, California (Smith and Cognato, 2022).

California Interceptions: *Cyclorhipidion bodoanum* has not been intercepted in California.

The risk *Cyclorhipidion bodoanum* poses to California is evaluated below.

Consequences of Introduction:

- 1) **Climate/Host Interaction:** *Cyclorhipidion bodoanum* has established in California. Oaks are widespread in the state. Therefore, this beetle receives a **High (3)** in this category.
 - Low (1) Not likely to establish in California; or likely to establish in very limited areas.
 - Medium (2) may be able to establish in a larger but limited part of California.
 - **High (3) likely to establish a widespread distribution in California.**
- 2) **Known Pest Host Range:** If the report of adult female *C. bodoanum* boring into walnut trees are considered, the reported hosts of this beetle are limited to the plant families Fagaceae and Juglandaceae. Therefore, it receives a **Medium (2)** in this category.

– Low (1) has a very limited host range.

– **Medium (2) has a moderate host range.**

– High (3) has a wide host range.

3) **Pest Reproductive and Dispersal Potential:** *Cyclorhipidion bodoanum* could be moved with infested wood, for example, firewood. It can presumably fly. Regarding reproductive potential, it is presumed to be parthenogenetic like other beetles of the tribe Xyleborini. Therefore, it receives a **High (3)** in this category.

– Low (1) does not have high reproductive or dispersal potential.

– Medium (2) has either high reproductive or dispersal potential.

– **High (3) has both high reproduction and dispersal potential.**

4) **Economic Impact.** No reports were found of economic impacts caused by *Cyclorhipidion bodoanum*. Therefore, it receives a **Low (1)** in this category.

Economic Impact:

A. The pest could lower crop yield.

B. The pest could lower crop value (includes increasing crop production costs).

C. The pest could trigger the loss of markets (includes quarantines).

D. The pest could negatively change normal cultural practices.

E. The pest can vector, or is vectored, by another pestiferous organism.

F. The organism is injurious or poisonous to agriculturally important animals.

G. The organism can interfere with the delivery or supply of water for agricultural uses.

Economic Impact Score: Low

– **Low (1) causes 0 or 1 of these impacts.**

– Medium (2) causes 2 of these impacts.

– High (3) causes 3 or more of these impacts.

- 5) **Environmental Impact.** No reports were found of *C. bodoanum* impacting the environment. However, ambrosia beetles sometimes behave differently when introduced to new environments and are exposed to new host tree species. Stressed (e.g., by drought) trees could be vulnerable to attack by this beetle. Therefore, *C. bodoanum* receives a **Medium (2)** in this category.

Evaluate the environmental impact of the pest on California using the criteria below.

Environmental Impact: A

A. The pest could have a significant environmental impact such as lowering biodiversity, disrupting natural communities, or changing ecosystem processes.

B. The pest could directly affect threatened or endangered species.

C. The pest could impact threatened or endangered species by disrupting critical habitats.

D. The pest could trigger additional official or private treatment programs.

E. The pest significantly impacts cultural practices, home/urban gardening or ornamental plantings.

Environmental Impact Score: Medium (2)

– Low (1) causes none of the above to occur.

– **Medium (2) causes one of the above to occur.**

– High (3) causes two or more of the above to occur.

Consequences of Introduction to California for *Cyclorhipidion bodoanum*: Medium (11)

Add up the total score and include it here.

–Low = 5-8 points

–**Medium = 9-12 points**

–High = 13-15 points

- 6) **Post Entry Distribution and Survey Information:** *Cyclorhipidion bodoanum* is established in Three counties in California. It receives a **Low (-1)** in this category.

–Not established (0) Pest never detected in California, or known only from incursions.

–Low (-1) Pest has a localized distribution in California, or is established in one suitable climate/host area (region).

–Medium (-2) Pest is widespread in California but not fully established in the endangered area, or pest established in two contiguous suitable climate/host areas.

–High (-3) Pest has fully established in the endangered area, or pest is reported in more than two contiguous or non-contiguous suitable climate/host areas.

Final Score:

7) The final score is the consequences of introduction score minus the post-entry distribution and survey information score: Medium (10)

Uncertainty:

There is significant uncertainty regarding the potential for *C. bodoanum* to impact living trees in California.

Conclusion and Rating Justification:

Cyclorhipidion bodoanum is an ambrosia beetle. It is not reported to impact living trees. It does not seem wise to exclude the possibility of such impacts in California. However, this beetle is established in California, and eradication is not considered feasible. For these reasons, a “C” rating is justified.

References:

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Fiala, T., Knížek, M., and Holuša, J. 2021. Continued eastward spread of the invasive ambrosia beetle *Cyclorhipidion bodoanum* (Reitter, 1913) in Europe and its distribution in the world. BioInvasions Records 10:65–73.

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Responsible Party:

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***Comment Period: 07/02/2026-08/16/2026**

*NOTE:

You must be registered and logged in to post a comment. If you have registered and have not received the registration confirmation, please contact us at [permits\[@\]cdfa.ca.gov](mailto:permits[@]cdfa.ca.gov).

Comment Format:

- ❖ Comments should refer to the appropriate California Pest Rating Proposal Form subsection(s) being commented on, as shown below.

Example Comment:

Consequences of Introduction: 1. Climate/Host Interaction: [Your comment that relates to "Climate/Host Interaction" here.]

- ❖ Posted comments will not be able to be viewed immediately.
- ❖ Comments may not be posted if they:

Contain inappropriate language which is not germane to the pest rating proposal;

Contains defamatory, false, inaccurate, abusive, obscene, pornographic, sexually oriented, threatening, racially offensive, discriminatory or illegal material;

Violates agency regulations prohibiting sexual harassment or other forms of discrimination;

Violates agency regulations prohibiting workplace violence, including threats.

- ❖ Comments may be edited prior to posting to ensure they are entirely germane.
- ❖ Posted comments shall be those which have been approved in content and posted to the website to be viewed, not just submitted.

Proposed Pest Rating: C