

California Pest Rating Proposal Form

This form shall be completed to determine a pest rating and all applicable sections with known information shall be completed:

CALIFORNIA PEST RATING PROPOSAL

Scientific Name (Common Name)

Current Rating: Q, A, B, C, D

Proposed Rating: Q, A, B, C, D

Initiating Event: Identify the organism considered for the pest rating and the event(s) that triggered this pest rating proposal.

History & Status:

Background: Describe what is known about the biology of the pest, its host range, and potential pathways and spread.

Worldwide Distribution: Identify the native range of the pest. Also identify other countries and states that it has invaded.

Official Control: Is the pest under official control in any countries or states?

California Distribution: Identify where the pest has been found in the environment of California.

California Interceptions: Identify where the pest has been found in regulatory situations in California (e.g., at the airports, border stations, nurseries, ports, seed receivers, etc.).

The risk **Common Name** would pose to California is evaluated below.

Consequences of Introduction:

- 1) Climate/Host Interaction: Evaluate if the pest would have suitable hosts and climate to establish in California. **Score:**
 - **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: Evaluate the host range of the pest. **Score:**
 - **Low (1)** has a very limited host range.
 - **Medium (2)** has a moderate host range.
 - **High (3)** has a wide host range.

- 3) Pest Dispersal Potential: Evaluate the natural and artificial dispersal potential of the pest. **Score:**
- **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: Evaluate the likely economic impacts of the pest to California using the criteria below. **Score:**

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

- 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.

Score the pest for Environmental Impact. **Score:**

- **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 Common Name:

Add up the total score and include it here. **(Score)**

- **Low** = 5-8 points
- **Medium** = 9-12 points
- **High** = 13-15 points

- 6) Post Entry Distribution and Survey Information: Evaluate the known distribution in California. Only official records identified by a taxonomic expert and supported by voucher specimens deposited in natural history collections should be considered. Pest incursions that have been eradicated, are under eradication, or have been delimited with no further detections should not be included. **(Score)**
- **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.
- 7) The final score is the consequences of introduction score minus the post entry distribution and survey information score: **(Score)**

Uncertainty: It is important to separate out uncertainty from risk. Use this section to evaluate any uncertainty associated with the introduction of the pest to California.

Include anything that may cause it to be a greater or lesser pest here than in other places.

Conclusion and Rating Justification: Draw conclusions of the risk associated with this pest to California using all of the evidence presented above. Propose a pest rating.

References: List references used here. Include links to online information wherever possible.

Responsible Party: Name, address, telephone number and email address of the rater.