

## Proposal Form for New Common Name or Change of ESA-Approved Common Name

The proposer is expected to be familiar with the rules, recommendations, and procedures outlined in the introduction to the current list of names and with the discussion by A.B. Gurney, 1953, *Journal of Economic Entomology* 46:207–211.

I recommend to the ESA Standing Committee on Common Names of Insects the adoption of the following common name or name change.

1. Proposed new common name:

Mediterranean pine engraver

**NOTE: SUBMISSIONS WILL NOT BE CONSIDERED UNLESS THIS FORM IS FILLED OUT COMPLETELY.**

2. Previously approved common name (if any):

None

3. Scientific name (genus, species, author):

*Orthotomicus erosus* (Wollaston)

Order:

Coleoptera

Family:

Scolytidae

### Supporting Information

4. Reasons supporting the need for the proposed common name:

The APHIS New Pest Advisory Group (NPAG) was originally notified of the occurrence of *Orthotomicus erosus* (Wollaston) in California by Michael Stefan on July 14, 2004, pending a confirmed identification of this pest. NPAG was notified on July 23, 2004 that the pest was positively identified as *Orthotomicus erosus*. A total of 50 specimens of *O. erosus* were detected from two Lindgren Funnel traps from the Chaffee Zoo and Woodward Park in Fresno, CA. A tentative identification was made by Dick Penrose (CDFA) and verified by Jim LaBonte (ODA). Specimens were forwarded to the SEL and the original identification was then confirmed by Natalia J. Vandenberg, Entomologist, SEL on July 13, 2004. Ground surveys in December 2004 by Steve Seybold (USDA Forest Service Research), Jana Lee (UC-Davis), and Penrose revealed abundant populations of this insect in cut pine logs in various urban parks and golf courses in three California counties (Fresno, Tulare, and Kern). A fall 2004 trapping record suggests that the beetle may be in Los Angeles county as well. From 1985-2000, this pest was intercepted 385 times making it one of the top ten most intercepted pests at US Ports of Entry (Haack, 2001). According to PIN309, it is reportable/actionable.

A common name is needed to facilitate communication with the interested public. There are many native engraver beetles in pines and there is a need to distinguish the invasive species from native species to the lay person.

5. Stage or characteristic to which the proposed common name refers:

The species is native to the Mediterranean, the Middle East, Central Asia, and China; most of the research reports and documentation of its pest status in its native range have come from the Mediterranean region (work of Mendel and colleagues). The species is noted almost entirely from pines in its native habitat with only minimal records of some overwintering occurrences in other conifers. Adult and larval beetles construct the characteristic engraving pattern of their galleries at the xylem/phloem interface.

6. Distribution:

Native:

**Mediterranean (Algeria, Azores, Egypt, Libya, Madeira Island, Morocco, Israel, Jordan, Syria, Turkey, Corsica, France, Greece, Italy, Portugal, Spain, Tunisia, Yugoslavia)**

**Middle East (Iran, Turkey, Jordan)**

**Europe (Switzerland, Romania, Bulgaria, W USSR)**

**Central Asia (Tajikistan)**

**China: (eleven provinces)**

Introduced:

**Republic of South Africa (1976)**

**Australasia & South Pacific:** Introduced into Fiji (1985).

**Europe:** Introduced into England (1921) and Sweden.

**South America:** Introduced into Chile (1986).

**North America:** Introduced into California (2004).

**Key References:**

Bright DE Jr., Skidmore RE. 1997. *A catalog of Scolytidae and Platypodidae (Coleoptera), Supplement 1 (1990-1994)*. Ottawa, Canada: NRC Research Press.

Bright DE Jr., Skidmore RE. 2002. *A catalog of Scolytidae and Platypodidae (Coleoptera), Supplement 2 (1995-1999)*. Ottawa, Canada: NRC Research Press.

Eglitis AE. 2000. Mediterranean pine engraver beetle. pp 190-193, *USDA Animal and Plant Health Inspection Service and Forest Service Draft Pest risk assessment for importation of solid wood packing materials into the United States*. USDA.

Haack, R. A. 2001. Intercepted Scolytidae (Coleoptera) at U.S. ports of entry: 1985-2000. *Integrated Pest Management Reviews*, 6:253-282.

Wood SL, Bright DE. 1992. A catalog of Scolytidae and Platypodidae (Coleoptera), Part 2: Taxonomic Index, Volume A. *Great Basin Naturalist Memoirs* **13**: 1-833.

7. Principal hosts (include references):

Native and Introduced Range: *Pinus* spp. especially *P. armandi*, *P. brutia* (= *P. eldarica*), *P. halepensis*, *P. nigra*, *P. pinaster*, *P. pinea*, and *P. radiata*. Occasionally in *Pseudotsuga menziesii*, *Picea* spp., *Abies* spp., and *Cedrus* spp., probably for maturation feeding or overwintering sites.

Bright DE Jr., Skidmore RE. 1997. *A catalog of Scolytidae and Platypodidae (Coleoptera), Supplement 1 (1990-1994)*. Ottawa, Canada: NRC Research Press.

Bright DE Jr., Skidmore RE. 2002. *A catalog of Scolytidae and Platypodidae (Coleoptera), Supplement 2 (1995-1999)*. Ottawa, Canada: NRC Research Press.

Eglitis AE. 2000. Mediterranean pine engraver beetle. pp 190-193, *USDA Animal and Plant Health Inspection Service and Forest Service Draft Pest risk assessment for importation of solid wood packing materials into the United States*. USDA.

Mendel Z, Halperin J. 1982. The biology and behavior of *Orthotomicus erosus* in Israel. *Phytoparasitica* **10**: 169-181.

Wood SL, Bright DE. 1992. A catalog of Scolytidae and Platypodidae (Coleoptera), Part 2: Taxonomic Index, Volume A. *Great Basin Naturalist Memoirs* **13**: 1-833.

**Hosts in California to date as reported by Seybold, Lee, and Penrose :**

*Pinus halepensis, Pinus pinea, Pinus radiata*

**8. References containing previous use of the proposed common name:**

Eglitis AE. 2000. Mediterranean pine engraver beetle. pp 190-193, *USDA Animal and Plant Health Inspection Service and Forest Service Draft Pest risk assessment for importation of solid wood packing materials into the United States*. USDA.

Giesen H, Kohnle U, Vité JP, Pan M-L, Francke W. 1984. Investigations on the aggregation pheromone of the Mediterranean engraver beetle *Ips (Orthotomicus) erosus*. *Z. ang. Ent.* 98:95-97.

Klimetzek D, Vité JP. 1986. The role of insect produced attractants on the aggregation behavior of the Mediterranean pine engraver beetle *Orthotomicus erosus*. *J. Appl. Ent.* 101:239-243.

Tribe GD. 1990. Phenology of *Pinus radiata* log colonization and reproduction by the European bark beetle *Orthotomicus erosus* (Wollaston) (Coleoptera: Scolytidae) in the south-western Cape Province. *J. ent. Soc. sth. Afr.* 53: 117-126. "Mediterranean pine engraver beetle" is used within this reference.

**9. References using common names (give names) other than that proposed:**

"European bark beetle" is used in a few references.

**10. Other insects or organisms to which the proposed common name might apply:**

None

**11. Steps you have taken to consult with other workers who are familiar with the insect or organism as to suitability of and need for the proposed common name:**

Several professionals working with this beetle (listed below) have discussed common name options and have agreed as a group on this submission.

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Proposed by (your name):

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