



ENTOMOLOGICAL SOCIETY OF AMERICA

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Entomological Society of America Proposal Form for new Common Name or Change of ESA-Approved Common Name

Complete this form and e-mail to pubs@entsoc.org.

Submissions will not be considered unless this form is filled out completely.

April 23, 2013

Esteemed ESA Common Names Committee members,

As the co-Chairs for the Western Forest Insect Work Conference (WFIWC) Common Names Committee (CNC), we are pleased to present the following insect for your consideration. This proposal is part of a current effort to update the important publication [Western Forest Insects](#) and formalize common names used therein not yet recognized by ESA.

Our committee also works with the Entomological Society of Canada and so you will find entries in our form that are in addition to those you require (numbered entries accompanied by a letter are additional). All ESA questions are numbered and worded as found on your form.

If you have any questions or concerns about this or other submissions from our organization, we encourage you to contact us.

Sincerely,

/s/ Brytten Steed

Brytten Steed
WFIWC-CNC co-Chair
bsteed@fs.fed.us

/s/ William Ciesla

William Ciesla
WFIWC-CNC co-Chair
wciesla@aol.com

WFIWC Proposal Form for New Common Name or Change of ESA or ESC-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.

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

I ask that the WFIWC Standing Committee on Common Names of Insects facilitate the submission of the following common name or name change to ESA and ESC.

1. Proposed new common name (English): [Prescott scale](#)
- 1b. Proposed new common name in French (optional): [None](#)
2. Previously approved ESA common name (if any): [None](#)
- 2b. Previously approved English ESC common name (if any): [None](#)
- 2c. Previously approved French ESC common name (if any)-include direct translation to English: [None](#)
3. Scientific name (genus, species, author): [Matsuccoccus vexillorum Morrison](#)
Order: [Hemiptera](#)
Family: [Matsuccoccidae](#)
- 3b. List important previous scientific names (*esp. note if this scientific name is different from that noted in Western Forest Insects or in the literature cited*).
[None](#)

Supporting Information

4. Reasons supporting the need for the proposed new or changed common name:
[Matsuccoccus vexillorum](#) infests twigs, branches and boles of ponderosa pine, *Pinus ponderosa*, of all ages in the southwestern U.S. Heavy infestations cause branch flagging, a condition described as “twig blight.” This occurs primarily on trees less than 75 years old and is most conspicuous in dense stands. Both lateral and terminal shoots can be affected. Outbreaks have occurred in portions of Arizona and New Mexico (Fairweather et al. 2006, Furniss and Carolin 1977, McKenzie 1943, McKenzie et al. 1948, Wilson and Frank 1993).

The proposed common name has been in use for this insect since at least 1943 (McKenzie 1943). It is used by Furniss and Carolin in their classic text “Western Forest Insects (Furniss and Carolin 1977) and in an earlier review of western forest insects (Keen 1952).” A revision of Furniss and Carolin (1977) is currently underway, which discusses this insect and also uses the proposed common name. An ESA approved common name is desirable for the discussion of this insect in this revision plus other publications.

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

"Prescott scale" refers to the location of the type species of this insect, which was collected in the Copper Basin near Prescott, Prescott National Forest, Arizona (Ben-Dov et al. 2010, McKenzie 1943).

6. Distribution (*include author-year citations; full citation in #10b*):

Matsucoccus vexillorum is known to occur in the southwestern United States including Arizona, California, Colorado, New Mexico and Nevada (Ben-Dov et al. 2010, Fairweather et al. 2006, Furniss and Carolin 1977, McKenzie 1943, McKenzie et al. 1948, Wilson and Frank 1993).

7. Principal hosts (*include author-year citations; full citation in #10b*):

The only host is ponderosa pine, *Pinus ponderosa* (Ben-Dov et al. 2010, Fairweather et al 2006, Furniss and Carolin 1977, Keen 1952, McKenzie 1943, McKenzie et al. 1948, Wilson and Frank 1993).

8. Cite references containing previous use of the proposed common name (*use author-year citations; full citation in #10b*):

Ben-Dov et al. 2010, Fairweather et al 2006, Furniss and Carolin 1977, Keen 1952, McKenzie 1943, McKenzie et al. 1948, Wilson and Frank 1993

9. Cite references using English common names (provide names) other than that proposed (*use author-year citations; full citation in #10b*):

None

9b. References using common names in a non-English language (give the common name in the non-English language and give the direct translation to English, if possible) (*use author-year citations; full citation in #10b*):

None

10. Other insects or organisms to which the proposed common name might apply (give scientific name and include citations, if applicable):

None

10 b. List references cited in questions 6-10:

Ben-Dov, Y.; D. R. Miller and G. A. P. Gibson. 2010. ScaleNet: a database of the scale insects of the world. <http://www.sel.barc.usda.gov/scalenet/scalenet.htm> (accessed November 2012).

Fairweather M.L., J. McMillin, T. Rogers, D. Conklin and B. Fitzgibbon 2006. Field Guide to Insects and Diseases of Arizona and New Mexico. USDA Forest Service, Southwestern Region, MB-R3-16-3

Furniss, R.L. and V.M. Carolin, 1977. Western Forest Insects. USDA Forest Service, Miscellaneous Publication 1339, 654 pp.

Keen, F.P. 1952. Insect enemies of western forests. USDA, Miscellaneous Publication 273, 280 pp.

McKenzie, H.L. 1943. The seasonal history of *Matsucoccus vexillorum* Morrison (Homoptera: Coccoidea: Margarodidae). Microentomology 8: 42-52.

McKenzie, H.L. Gill, L.S. Ellis, D.E. 1948. The Prescott scale (*Matsuccoccus vexillorum*) and associated organisms that cause flagging injury to ponderosa pine in the southwest. *Journal of Agricultural Research* 76: 33-51.

Wilson, J.L. and M.S. Frank. 1993. Biological evaluation of a Prescott scale outbreak on the Fort Apache Indian Reservation, Arizona. USDA Forest Service, Southwestern Region Forest Pest Management Report R-3 93-5, 16 pp.

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:
This proposal has been forwarded to the following scientists for peer review. Their comments are included below their names.

Chris Fettig, USDA Forest Service, Pacific Southwest Forest Research Station, Davis, CA
No comments on this proposal

Joel McMillin, USDA Forest Service R-3, Flagstaff, AZ
Provided technical comments and added literature citations in support of this proposal

Don Owen, California Division of Forestry and Fire Protection, Sacramento, CA
No comments this proposal

S. Sky Stephens, Colorado State Forest Service, Fort Collins, CO
No comments on this proposal

Steve Seybold, USDA Forest Service, Pacific Southwest Forest Research Station, Davis, CA
No comments on this proposal

Jeff Witkosky, USDA Forest Service R-2 – Lakewood, CO
*Hi Bill, I looked at the two proposals for common names (*M. bisetotus* and *M. vexillorum*). The discussion in both documents looked good to me. Thanks for getting these common names formalized with ESA. Regards, Jeff.*

Western Forest Insect Work Conference Common Names Committee

11b. What type of literature searches/checks did you conduct (e.g. CABI, ESA and ESC web pages, USDA FS library, formal library search engine-list, etc.)

ESA Common Names site (http://www.entsoc.org/Pubs/Common_Names/index.htm) to determine if this species had a common name, if the common name belonged to another species – negative in both accounts

Review of the ESC Common Names publication (pdf at http://www.esc-sec.org/common_names_2006.pdf) to determine if this species had a common name in either English or French, or if the English common name proposed belonged to another species – negative in all accounts

Scalenet database: <http://www.sel.barc.usda.gov/scalenet/scalenet.htm>

Prescott scale
1302-02-13

Matsuccocus vexillorum

4/23/2013

EPO global database: gd3.eppo.int/organism.php/1MATSG

Search of www using the Google search engine

Search of personal literature files

List of citations in #10

12. Proposed by: Western Forest Insect Work Conference group (WFIWC), Common Names Committee co-Chairs – Brytten Steed and William Ciesla

Proposal prepared and submitted to the WFIWC CNC by William M. Ciesla, Forest Health Management International, Fort Collins, CO

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