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FIRST RECORDS OF *CECIDOMYIA CANDIDIPES*
(DIPTERA: CECIDOMYIIDAE) IN WISCONSINSteven J. Krauth¹

ABSTRACT

First report of *Cecidomyia candidipes* from five Wisconsin counties.

Gagne (1978) presented a systematic analysis of *Cecidomyia*, the pitch midges, containing 11 species: eight from North America and three from Eurasia. *Cecidomyia candidipes* Foote (Diptera: Cecidomyiidae: Cecidomyiinae: Cecidomyiini) has been reported in the literature from New Brunswick, Ontario, Quebec, Connecticut, Illinois, Maryland and New York exclusively on white pine, *Pinus strobus* Linnaeus. *C. candidipes* is of potential concern to agricultural commodity inspectors of the Wisconsin Department of Agriculture Trade and Consumer Protection (WDATCP) as a potential pest of Christmas tree plantations. The first specimens were submitted to the author for identification in 1997. Scouting for white pine damage is done by looking for oozing pitch masses on the main trunk. The orange to pink colored larvae were found in the pitch while cocoons of pupae were found in the pitch, just outside the pitch and on bark or twigs well away from the pitch flow (D. Hall, personal communication). Department of Natural Resources (DNR) personnel field collected and incubated pupae at room temperature (65–70°F).

Larvae were identified by R. L. Gagne of the Systematic Entomology Laboratory, Washington D.C. The first adult reared was identified by the author, confirmed by Gagne, and the remaining adults were identified by the author. All the specimens are deposited in the University of Wisconsin Insect Research Collection, Department of Entomology, Madison WI.

RESULTS

Material examined. Adams Co., WI. T18N,R7E,S23NW. coll:29 Sept 1998. 1 larva.
Clark Co., WI. T25N,R3W,S2. coll:2 Dec 1998. *Pinus strobus* bark. incubated:23 Feb 1999. em:13 April 1999. 2 adults.
Clark Co., WI. T25N,R3W,S2. coll:2 Dec 1998. *Pinus strobus* bark. incubated:23 Feb 1999. em:12 April 1999. 7 adults.
Clark Co., WI. T25N,R3W,S2. coll:2 Dec 1998. *Pinus strobus* bark. incubated:23 Feb 1999. em:9 Apr 1999. 5 adults.
Clark Co., WI. T25N,R3W,S2. coll:2 Dec 1998. *Pinus strobus* bark. incubated:23 Feb 1999. em:8 Apr 1999. 7 adults.

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- Clark Co., WI. T25N,R3W,S2. coll:2 Dec 1998. *Pinus strobus* bark. incubated: 23 Feb 1999. em:7 Apr 1999. 1 adult.
- Clark Co., WI. T25N,R3W,S2. coll:2 Dec 1998. *Pinus strobus* bark. incubated: 23 Feb 1999. em:6 Apr 1999. 1 adult.
- Clark Co., WI. T25N,R3W,S2. coll:2 Dec 1998. *Pinus strobus* bark. incubated: 23 Feb 1999. em:1 Apr 1999. 2 adults.
- Clark Co., WI. T24N,R2W,S17. coll:2 Dec 1998. *Pinus strobus* bark. incubated: 28 Feb 1999. em:8 Apr 1999. 3 adults.
- Clark Co., WI. T24N,R2W,S17. coll:2 Dec 1998. *Pinus strobus* bark. incubated: 28 Feb 1999. em:12 Apr 1999. 2 adults.
- Door Co., WI. Washington Island. T34N,R30E,S20. coll:15 Sept 1998. 8 larvae.
- Iowa Co., WI. T8N,R1E,S10. Avoca seed orchard. coll:10 April 1999. *Pinus strobus*. em:6 May 1999. one adult.
- Jackson Co., WI. T24N,R6W,S24. *Pinus strobus* twigs. em:19 Dec 1997. 2 adults.
- Jackson Co., WI. Hixton Township. T22N,R5W,S15. coll:10 Sept 1998. 9 larvae.

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LITERATURE CITED

- Gagne, R.J. 1978. A systematic analysis of the pine pitch midges *Cecidomyia* spp. (Diptera: Cecidomyiidae). Tech. Bull. U.S. Dept. Agric. 1575:1-18.