

October 1999

## First Records of *Cecidomyia Candidipes* (Diptera: Cecidomyiidae) in Wisconsin

Steven J. Krauth

*University of Wisconsin*

Follow this and additional works at: <https://scholar.valpo.edu/tgle>



Part of the [Entomology Commons](#)

---

### Recommended Citation

Krauth, Steven J. (1999) "First Records of *Cecidomyia Candidipes* (Diptera: Cecidomyiidae) in Wisconsin," *The Great Lakes Entomologist*: Vol. 32 : No. 2 , Article 6.

Available at: <https://scholar.valpo.edu/tgle/vol32/iss2/6>

This Peer-Review Article is brought to you for free and open access by the Department of Biology at ValpoScholar. It has been accepted for inclusion in The Great Lakes Entomologist by an authorized administrator of ValpoScholar. For more information, please contact a ValpoScholar staff member at [scholar@valpo.edu](mailto:scholar@valpo.edu).

FIRST RECORDS OF *CECIDOMYIA CANDIDIPES*  
(DIPTERA: CECIDOMYIIDAE) IN WISCONSINSteven J. Krauth<sup>1</sup>

## 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.

<sup>1</sup> Department of Entomology, University of Wisconsin, Madison, WI, 53706.

- 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.

#### ACKNOWLEDGMENTS

Thanks to collectors: M. Guthmiller, D. Hall, and T. Lanigan, at the DNR and S. Chic, K. Jerabek and D. Schumacher at the WDATCP. Thanks also to Dr. D. K. Young and an anonymous reviewer for reading and providing constructive changes to the manuscript.

#### 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.