

A New Record of a Parasitoid Reared from the Tortoise Leaf Beetle *Cassida piperata* (Coleoptera, Chrysomelidae)

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Cassida piperata HOPE is a common leaf beetle in Central Japan, and its larval morphology, host plants and life cycle are well known (KUROSA, 1959; KIMOTO & TAKIZAWA, 1994). However, the faunal composition of the natural enemies is not clarified, although *Brachymeria inermis* is recorded as a parasitoid of *C. piperata* (YAMAZAKI, 2001).

We reared one fourth instar and 12 fifth (last) instar larvae of *C. piperata*, which were collected on the leaves of *Achyranthes japonica* (Amaranthaceae) at an urban park, Tsurumiryokuchi Park, Osaka City, Osaka Prefecture on 12 June 2001. Then, from the two larvae, 22 individuals, 2 males and 12 females, and 8 females, respectively, of *Holcotetrastichus rhosaces* (WALKER) (Hymenoptera, Eulophidae) emerged in late June under laboratory conditions.

Holcotetrastichus rhosaces is known to attack some *Cassida* species; *C. deflorata*, *C. rubiginosa*, *C. viridis*, *C. nobilis*, *C. vittata* (Europe), *C. rubiginosus* (USA), *C. nebulosa* (Europe and Japan), and *C. spaethi* (Korea) (GRAHAM, 1991; COX, 1994; IKEDA, 1997). This parasitoid is a gregarious endoparasitoid and the adults emerge from minute holes on the mummified larval skins of the host. *Cassida piperata* is a new host of *H. rhosaces*.

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References

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