

Xylomyidae

Jean-Paul Haenni (1998 Checklist: Jean-Paul Haenni)

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Diagnosis: Medium to large (6.0-10.0 mm) slender or robust brachycerous flies. Body and legs more or less variegated dark and yellow in European species. Antennae elongate, with annulated, 8-segmented flagellum; palpi 1-2 segmented. Wing with 5 posterior cells, 4th posterior and anal cells closed before wing margin; legs with hind femora swollen and armed with rows of ventral spines in *Solva*, simple in *Xylomya*. Eyes broadly separated in both sexes; ocelli present. Abdomen with 7-8 visible segments.

Biology: Adults of Xylomyidae are uncommon inhabitants of forested areas with abundant dead wood and fallen trees. *Xylomya* are very rarely encountered and are considered as threatened members of old forest community. Larvae have been found under bark of fallen deciduous trees.

Nomenclature and classification: According to Fauna Europaea (Rozkošný et al. 2013).

Number of species: CH: 2 (1998 Checklist: 2),

AT: 3, BE: 1, CZ: 3, DE: 3, FR: 3, GB: 1, IT: 3, NL: 2, SK: 2, Europe: 5, World: 138.

Level of faunistic knowledge in Switzerland: Good; an additional species, *Solva varia* (Meigen, 1820) may probably occur in Switzerland, as it has been recorded from all vicinuous countries.

General references: Nagatomi & Rozkošný (1997) [general, key to genera], Rozkošný et al. (2013) [Fauna Europaea], Szilády (1932) [key, European species], Woodley (2011) [catalogue, World species].

References to the Swiss fauna: Emmenegger & Lenzin (1988), Haenni (1993, 1998), Kiener (1995), Meier & Sauter (1989), Merz (2012), Tóth (1996), Weinberg & Bächli (1984).

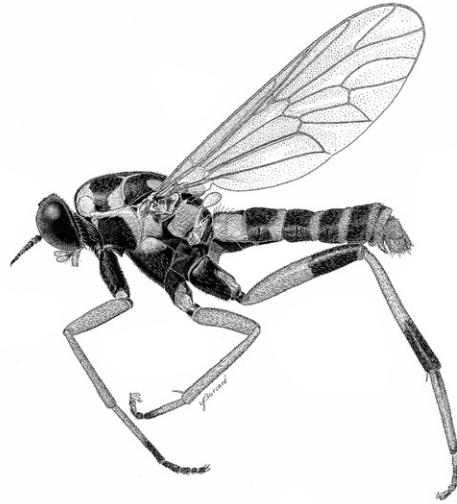
Checklist

Solva Walker, 1860

- *marginata* (Meigen, 1820) !

Xylomya Rondani, 1861

- *maculata* (Meigen, 1804) !



Xylomya maculata,
female (1998 Checklist, p.157).

References

- Emmenegger C. & Lenzin H. 1988. Die Zurlindengruben in Pratteln. Tätigkeitsbericht der Naturforschenden Gesellschaft Baselland 35: 7-117.
- Haenni J.-P. 1993. Note sur la présence de *Xylomya maculata* (Meigen, 1804) et de *Clitellaria ephippium* (Fabr., 1775) dans la région neuchâteloise (Diptera: Xylomyidae, Stratiomyidae). Bulletin Romand d'Entomologie 11(2): 109 -111.
- Haenni J.-P. 1998. 34. Xylomyidae. In: Merz B., Bächli G., Haenni J.-P. & Gonseth Y. (eds). Diptera - Checklist. Fauna Helvetica 1: 156-157. CSCF / SEG, Neuchâtel, 369 pp.
- Kiener S. 1995. Bemerkenswerte Käfernachweise aus der Schweiz. Mitteilungen der Schweizerischen Entomologischen Gesellschaft 68: 55-68.
- Meier C. & Sauter W. 1989. Zur Kenntnis der Insektenfauna eines Auenwaldreserves an der Aare bei Villnachern AG. Mitteilungen der Aargauer Naturforschenden Gesellschaft 32: 217-258.
- Merz B. 2012. 8.36.5. Stratiomyoidea. In: Merz B. (ed). Liste annotée des insectes (Insecta) du canton de Genève. Instrumenta Biodiversitatis 8: 401-403. Muséum d'histoire naturelle, Genève, 532 pp.
- Nagatomi A. & Rozkošný R. 1997. 2.22. Family Xylomyiidae. In: Papp L. & Darvas B. (eds). Contributions to a Manual of Palaearctic Diptera (with special reference to flies of economic importance). Vol. 2, Nematocera and Lower Brachycera: 369-378. Science Herald, Budapest, 592 pp.
- Rozkošný R., Bystrowski C., Richter V.A. & Knutson L. 2013. Fauna Europaea: Stratiomyidae. In: Beuk P. & Pape T. (coords). Fauna Europaea: Diptera Brachycera. Fauna Europaea version 2017.06. <https://fauna-eu.org>.
- Szilády Z. 1932. Dornfliegen oder Notacantha. In: Dahl F. (ed). Die Tierwelt Deutschlands 26: 1-39.
- Tóth S. 1996a. Zur Insektenfauna vom Rüss-Spitz (Kanton Zug), 388 m, bei Maschwanden ZH. V. Diptera 2: Stratiomyidae, Tabanidae, Bombyliidae und Conopidae (Waffenfliegen, Bremsen, Wollschweber und Blasenkopffliegen). Entomologische Berichte Luzern 35: 31-40.
- Weinberg M. & Bächli G. 1984. The review of some families of the Infraorder Asilomorpha (Diptera) from the collections of the Museum of Zoology of Zürich University. Travaux du Muséum d'Histoire Naturelle « Grigore Antipa » 25: 191-201.
- Woodley N. 2011. A Catalog of the World Xylomyidae (Insecta: Diptera). Myia 12: 417-453.