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## Review of dipterous pests of cultivated and wild fruit plants in Latvia

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Some diptera can be serious pests of economically important plants, especially on field crops. Until the 21<sup>st</sup> century practical literature contains data only about some dipterous pests of fruit crops for Latvia territory and special attention to them research was not devoted. In the beginning of the 21<sup>st</sup> century practical situation in fruit crop plantations is changed and today some diptera (for example *Dasineura oxycoccana*, *Rhagoletis cerasi*) are serious pests for fruit crops in Latvia.

In this review on base of published data and field observations scientific information about dipterous pests of cultivated and wild fruit plants in Latvia is compiled for the first time. Available information is about dipterous pests of *Cornus mas*, *Corylus*, *Crataegus*, *Berberis*, *Fragaria*, *Hippophae*, *Lonicera caerulea*, *Malus*, *Prunus*, *Pyrus*, *Ribes*, *Rosa*, *Rubus*, *Sambucus*, *Sorbus*, *Vaccinium*, *Viburnum opulus* and *Vitis*. Most of pests are not with economically significant importance and only some diptera are important pests in local or all-country level. But some diptera (especially pests of non traditional fruit plants) are not sufficiently studied and there is no enough information about them distribution, significance and ecology.

Highest diversity of species is represented by family Cecidomyiidae (29 species) but in other families number of species is low – Tipulidae (2), Anthomyiidae (1), Agromyzidae (5) and Tephritidae (5). Today most problematic (locally or in country level) pests for fruit plant growers in Latvia are *Dasineura oxycoccana*, *Dasineura tetensi*, *Lasioptera rubi*, *Resseliella ribis*, *Resseliella theobaldi* (Cecidomyiidae), *Pegomya rubivora* (Anthomyiidae) and *Rhagoletis cerasi* (Tephritidae). Two species – *Dasineura oxycoccana* (Cecidomyiidae) and *Rhagoletis batava* (Tephritidae) are new incomers for fauna of Latvia which for the first time are found only in this century.

**Key words:** fruit crops, diversity of pests, important species

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