

## Chloropidae

Štěpán Kubík (1998 Checklist: Ágnes Dely-Draskovits)

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**Diagnosis:** Frit flies (Diptera, Chloropidae) are small to medium sized flies, adult body length 1.5-5.0 mm, rarely larger, with reduced bristling. Body colour very variable, most species are entirely black, and often with metallic sheen (subfamily Oscinellinae, Siphonellopsinae, Rhodsiellinae), whereas some species are yellow with black, red or brown longitudinal stripes on the scutum (subfamily Chloropinae). The adults occur in various marshy habitats, in deciduous woods, in damp meadows and in open areas.

**Biology:** Chloropid larvae have varied feeding habits. Many species are phytophagous, and some of those damage cereals and other grasses. There are also saprophagous species, a few species that have been bred from fungi, and some predaceous species.

**Nomenclature and classification:** According to Nartshuk (2012, 2013), Nartshuk & Andersson (2013).

**Number of species:** CH: 161 (1998 Checklist: 136),  
BE: 175, CZ: 205, DE: 141, HU: 207, IT: > 190, NL: 142, SK: 169, UK: 178, Europe: 394,  
World: > 2000.

**Level of faunistic knowledge in Switzerland:** Medium; at least 100 additional species are expected.

**General references:** Duda (1933) [key], Andersson (1977) [key], Ismay & Schulten (2006), Nartchuk (2013) [zoogeographical distribution], Nartshuk & Andersson (2013) [key].

**References to the Swiss fauna:** Dely-Draskovits (1998), Merz et al. (2006), Bächli et al. (2014), Merz (2008).

## Checklist

### Chloropinae

*Camarota* Meigen, 1830

- *curvipennis* (Latreille, 1805) !

*Centorisoma* Becker, 1910

- *elegantulum* Becker, 1910 !

*Cetema* Hendel, 1907

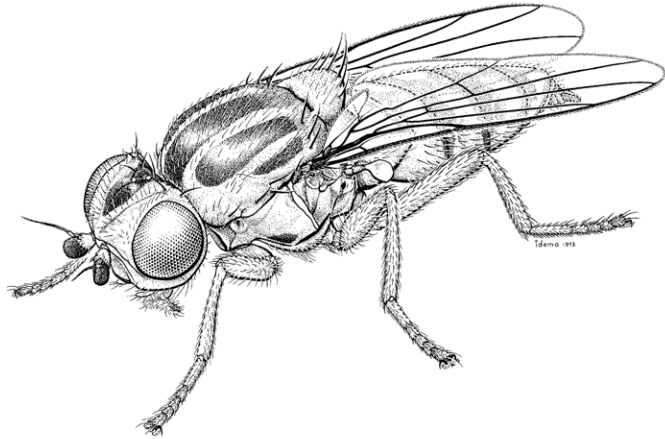
(*Cetema* s.str.)

- *cereris* (Fallén, 1820) !

- *elongatum* (Meigen, 1830) !

= *obliqua* Beschovski, 1984 N1

= *simile* Ismay, 1985 N1



*Chlorops certimus*,  
female, not present in Switzerland (MND2, p.1049).

- *myopinum* (Loew, 1866) !
- *neglectum* Tonnoir, 1921 !

*Chlorops* Meigen, 1830

(*Chlorops* s.str.)

- *adjunctus* Becker, 1910 !
- *alpicolus* Becker, 1910 !
- *anthracophagoideus* Strobl, 1900 !
- *calceatus* Meigen, 1830 !
- *centromaculatus* (Duda, 1933) !
- *dasycerus* Loew, 1866 !
- *fasciatus* Meigen, 1830 !
- *finitimus* Becker, 1910 !
- *frontosus* Meigen, 1830 !
- *geminatus* Meigen, 1830 !
- *gracilis* Meigen, 1830 !
- *hypostigma* Meigen, 1830 !
- *interruptus* Meigen, 1830 !
- *longipalpis* (Duda, 1933) !
- *meigenii* Loew, 1866 !
- *planifrons* Loew, 1866 !
- *pumilionis* (Bjerkander, 1778) !
- *ringens* Loew, 1866 !
- *rufinus* (Zetterstedt, 1848) !
- *scalaris* Meigen, 1830 !
- *scutellaris* Zetterstedt, 1838 !
- *serenus* Loew, 1866 !
- *speciosus* Meigen, 1830 !

- *strigulus* (Fabricius, 1794) !
- *triangularis* Becker, 1910 !
- *trogloodytes* (Zetterstedt, 1848) !
- (*Sclerophallus* Beschovski, 1978)
- *limbatus* Meigen, 1830 L N2
- = *brevimanus* Loew, 1866 N3
- *varsoviensis* Becker, 1910 ! N2
- Cryptonevra* Lioy, 1864
- *diadema* (Meigen, 1830) !
- *flavitarsis* (Meigen, 1830) !
- *nigritarsis* (Duda, 1933) !
- Diplotoxa* Loew, 1863
- *messoria* (Fallén, 1820) !
- Diplotoxoides* Andersson, 1977
- *dalmatina* Strobl, 1900 L N4
- Epichlorops* Becker, 1910
- *puncticollis* (Zetterstedt, 1848) !
- Eutropha* Loew, 1855
- *variegata* Loew, 1866 !
- Homalura* Meigen, 1826
- *tarsata* Meigen, 1826 !
- Lasiosina* Becker, 1910
- *albigpila* (Loew, 1866) !
- *cinctipes* (Meigen, 1830) ! N5
- = *nigripes* Dely-Draskovits, 1977
- *herpini* (Guerin-Meneville, 1843) ! N6
- *intermedia* Dely-Draskovits, 1977 !
- *subnigripes* Dely-Draskovits, 1977 !
- Meromyza* Meigen, 1830
- (*Meromyza* s.str.)
- *bohemica* Fedoseeva, 1962 !
- *curvinervis* (Zetterstedt, 1848) !
- *femorata* Macquart, 1835 !
- *hispanica* Fedoseeva, 1971 !
- *laeta* Meigen, 1838 !
- *nigriseta* Fedoseeva, 1960 !
- *nigriventris* Macquart, 1835 !
- *palposa* Fedoseeva, 1960 !
- *pleurosetosa* Beschovski, 1987 !
- *pluriseta* Péterfi, 1961 !
- *pratorum* Meigen, 1830 !
- *rufa* Fedoseeva, 1962 !
- *saltatrix* (Linnaeus, 1760) !
- *triangulina* Fedoseeva, 1960 !
- *variegata* Meigen, 1830 !
- *zachvatkini* Fedoseeva, 1960 !

*Metopostigma* Becker, 1903

- *polonicum* (Schnabl, 1884) !

*Neohaplegis* Beschovski, 1981

- *glabra* (Duda, 1933) !
- *tarsata* (Fallén, 1820) !

*Platycephala* Fallén, 1820

- *planifrons* (Fabricius, 1798) !
- *umbraculata* (Fabricius, 1794) !

*Pseudopachychaeta* Strobl, 1902

- *approximatonervis* (Zetterstedt, 1848) !
- *ruficeps* (Zetterstedt, 1838) !

*Thaumatomyia* Zenker, 1833

- *elongatula* (Becker, 1910) !
- *glabra* (Meigen, 1830) !
- *hallandica* Andersson, 1966 !
- *notata* (Meigen, 1830) !
- *rufa* (Macquart, 1835) !
- *trifasciata* (Zetterstedt, 1848) !

*Xena* Nartshuk, 1964

- *straminea* Nartshuk, 1964 !

**Oscinellinae***Aphanotrigonum* Duda, 1932

- *nigripes* (Zetterstedt, 1848) !
- *trilineatum* (Meigen, 1830) !
- = *beschovskii* Dely-Draskovits, 1981 N7

*Calamoncosis* Enderlein, 1911*(Calamoncosis s.str.)*

- *aprica* (Meigen, 1830) !
- *aspistylina* Duda, 1935 !
- *minima* (Strobl, 1893) !

*Conioscinella* Duda, 1929

- *bicingulata* (Strobl, 1893) !
- *frontella* (Fallén, 1820) !
- *gallarum* (Duda, 1933) !
- *sordidella* (Zetterstedt, 1848) !
- *zetterstedti* Andersson, 1966 !
- *zuercheri* Duda, 1933 !

*Dicraeus* Loew, 1873*(Dicraeus s.str.)*

- *ingratus* (Loew, 1866) !
- *nigropilosus* Becker, 1910 !
- *raptus* (Haliday, 1838) !
- *tibialis* (Macquart, 1835) !

*(Oedesiella* Becker, 1910)

- *fennicus* Duda, 1933 !

- *rossicus* Stackelberg, 1955 !
- (*Paroedesiella* Sabrosky, 1941)
- *styriacus* (Strobl, 1898) !
- = *vallis* Collin, 1946 N8
- *vagans* (Meigen, 1838) !
- Elachiptera* Macquart, 1835
- *austriaca* Duda, 1932 !
- *brevipennis* (Meigen, 1830) !
- *cornuta* (Fallén, 1820) !
- = *cornuta nigripes* Strobl, 1894 N9
- = *cornuta nigromaculata* Strobl, 1894 N9
- *diastema* Collin, 1946 !
- *scrobiculata* (Strobl, 1901) !
- *sibirica* (Loew, 1858) !
- *tuberculifera* (Corti, 1909) !
- Eribolus* Becker, 1910
- *gracilior* (de Meijere, 1918) !
- *hungaricus* Becker, 1910 !
- Gampsocera* Schiner, 1862
- *numerata* (Heeger, 1858) !
- Gaurax* Loew, 1863
- *dubius* (Macquart, 1835) !
- *fascipes* Becker, 1910 !
- *flavomaculatus* (Duda, 1933) ! N10
- *niger* Czerny, 1906 !
- Hapleginella* Duda, 1933
- *laevifrons* (Loew, 1858) !
- Incertella* Sabrosky, 1980
- *albipalpis* (Meigen, 1830) !
- *kerteszi* (Becker, 1910) !
- *nigrifrons* (Duda, 1933) ! N11
- = *Conioscinella nigrifrons* Duda, 1933
- *scotica* (Collin, 1946) !
- *zuercheri* (Duda, 1933) !
- Lasiambia* Sabrosky, 1941
- *baliola* Collin, 1946 ! N12
- *brevibucca* (Duda, 1933) ! N12
- *coxalis* (von Rosen, 1840) ! N12
- = *Fiebrigella oophila* (Hennig, 1941)
- *palposa* (Fallén, 1820) ! N12
- Lasiochaeta* Corti, 1909
- *pubescens* (Thalhammer, 1898) ! N13
- Lipara* Meigen, 1830
- *lucens* Meigen, 1830 !
- *pullitarsis* Daskočil & Chvála, 1971 !
- *rufitarsis* Loew, 1858 !

- *similis* Schiner, 1854 !

*Microcercis* Beschovski, 1981

- *trigonella* Duda, 1933 ! N14

*Oscinella* Becker, 1910

(*Oscinella* s.str.)

- *angularis* Collin, 1946 !

- *capreolus* (Haliday, 1838) ! N15

- *cariciphila* Collin, 1946 !

- *frit* (Linnaeus, 1758) !

- *maura* (Fallén, 1820) !

- *nitidissima* (Meigen, 1838) !

- *pusilla* (Meigen, 1830) !

- *trochanterata* Collin, 1946 !

*Oscinimorpha* Lioy, 1864

- *arcuata* (Duda, 1932) !

- *minutissima* (Strobl, 1900) !

- *novakii* (Strobl, 1893) !

- *sordidissima* (Strobl, 1893) !

*Oscinisoma* Lioy, 1864

- *cognatum* (Meigen, 1830) !

- *germanicum* (Duda, 1932) !

*Polyodaspis* Duda, 1933

- *ruficornis* (Macquart, 1835) !

- *sulcicollis* (Meigen, 1838) !

*Pseudogaurax* Malloch, 1915

- *venustus* (Czerny, 1906) !

*Rhopalopterum* Duda, 1929

- *anthracinum* (Meigen, 1830) !

- *atricillum* (Zetterstedt, 1838) !

- *atricorne* (Zetterstedt, 1838) !

- *fasciolum* (Meigen, 1830) !

- *femorale* (Collin, 1946) !

*Siphonella* Macquart, 1835

- *oscinina* (Fallén, 1820) !

*Siphunculina* Rondani, 1856

- *aenea* (Macquart, 1835) !

- *ismayi* Merz, 2008 !

*Speccafrons* Sabrosky, 1980

- *genavensis* Merz, 2008 !

- *halophila* (Duda, 1933) ! N16

= *Conioscinella halophila* Duda, 1933

*Trachysiphonella* Enderlein, 1936

- *carinifacies* Nartshuk, 1964 !

- *ruficeps* (Macquart, 1835) !

= *pygmaea* (Meigen, 1838) N17

- *scutellata* (von Roser, 1840) !

*Tricimba* Lioy, 1864

(*Nartshukiella* Beschovski, 1981)

- *cincta* (Meigen, 1830) !

- *humeralis* (Loew, 1858) !

(*Tricimba* s.str.)

- *lineella* (Fallén, 1820) !

### Rhodesiellinae

*Rhodesiella* Adams, 1905

- *plumiger* (Meigen, 1830) !

### Siphonellopsinae

*Apotropina* Hendel, 1907

- *brevivenosa* (Dely-Draskovits, 1977) !

### Notes

- N1 *Cetema obliqua* and *C. simile* synonymised with *C. elongatum* by Nartshuk & Andersson (2013).
- N2 *Chlorops limbatus* and *C. varsoviensis*: subgeneric affiliation to subgenus (*Sclerophallus*).
- N3 *Chlorops brevismanus* synonymised with *C. limbatus* by Nartshuk & Andersson (2013).
- N4 *Diplotoxoides dalmatina* was recorded in the 1998 Checklist as *Diplotoxa dalmatina* Strobl, 1900.
- N5 *Lasiosina nigripes* synonymised with *Lasiosina cinctipes* by Nartshuk (1997).
- N6 *Lasiosina herpini* as *Lasiosina cinctipes* auct. not Meigen (Nartshuk 1997).
- N7 *Aphanotrigonum beschovskii* synonymised with *Aphanotrigonum trilineatum* by Nartshuk & Andersson (2013).
- N8 *Dicraeus vallis* synonymised with *D. styriacus* by Nartshuk & Andersson (2013).
- N9 *Elachiptera cornuta*: no subspecies accepted (Nartshuk & Andersson 2013).
- N10 *Gaurax flavomaculatus* was recorded in the 1998 Checklist as *Fiebrigella flavomaculata* (Duda, 1933).
- N11 *Incertella nigrifrons* was recorded in the 1998 Checklist as *Conioscinella nigrifrons* Duda, 1933.
- N12 *Lasiambia baliola*, *L. brevivucca*, *L. coxalis*, *L. palposa* were recorded in the 1988 Checklist as *Fiebrigella* sp. (Tschirnhaus 1992).
- N13 *Lasiochaeta pubescens* was recorded in the 1998 Checklist as *Melanochaeta pubescens* (Thalhammer, 1898).
- N14 *Microcercis trigonella* was recorded in the 1998 Checklist as *Oscinella trigonella* Duda, 1933.
- N15 *Oscinella capreolus* was recorded in the 1998 Checklist as *Melanochaeta capreolus* (Haliday, 1838).
- N16 *Speccafrons halophila* was recorded in the 1998 Checklist as *Conioscinella halphila* Duda, 1933.
- N17 *Trachysiphonella pygmaea* synonymised with *Trachysiphonella ruficeps* by Nartshuk & Andersson (2013).

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