



# Eupeodes

*Eupeodes*, the **aphideater flies**, are a genus of moderate hoverflies in the family Syrphidae. They are distributed worldwide. They are black with yellow markings and can be easily confused with other genera in the Syrphini tribe. Larvae feed on a wide variety of aphids. The adults feed on nectar and pollen as sources of energy and protein, respectively, and often hover over the plants they visit.<sup>[1][2]</sup>



*E. fumipennis* female hovering



*E. volucris* female hovering

## Description

The aphideater flies are 6–14 mm (0.24–0.55 in) in length. The eyes have either no hairs, or rarely very short and sparse pile. The face is usually yellow, with a narrow but distinct brown median stripe. The scutum is usually shining black, but rarely slightly yellow pruinose laterally. The scutellum is dull yellow, translucent. The ventral scutellar fringe is complete and moderately dense. The pleura are black or grayish black, never yellow, usually shining or with very sparse subshining pruinosity on the upper half. The anterior anepisternum, meron, and metepisternum are all bare. The abdomen is oval,

### Eupeodes



*Eupeodes corollae* male



*Eupeodes americanus* female

### Scientific classification

Domain:	<u>Eukaryota</u>
Kingdom:	<u>Animalia</u>
Phylum:	<u>Arthropoda</u>
Class:	<u>Insecta</u>
Order:	<u>Diptera</u>
Family:	<u>Syrphidae</u>
Tribe:	<u>Syrphini</u>
Genus:	<u><i>Eupeodes</i></u> Osten Sacken, 1877

### Subgenus

- *Eupeodes* Osten Sacken, 1877
- *Macrosyrphus* Matsumura, 1917
- *Metasyrphus* Matsumura, 1917

usually nearly flat above, with a strong margin from near the middle of tergite 2 to the apex of tergite 5. Tergite 2 typically has a pair of yellow spots, while the other tergites usually have pale yellow to reddish yellow spots commonly lunulate or with bands of similar colour almost straight. The vein  $R_{4+5}$  is nearly straight or slightly but distinctly dipped into cell  $r_{4+5}$ . The wing membrane is usually nearly entirely trichose, with only small bare areas near the base (syrphus has tufts of pile on cauypters). The legs are slender, and the hind femur is unarmed. The hind coxa does not have hairs at the posteromedial apical angle.<sup>[3]</sup>

## Synonyms

- *Posthosyrphus* Enderlein, 1938



*Eupeodes americanus*, larva

## Species

- *Eupeodes aberrantis* (Curran, 1925) <sup>[4]</sup>
- *Eupeodes abiskoensis* (Dušek & Láska, 1973) <sup>[5]</sup>
- *Eupeodes aino* (Matsumura, 1918)
- *Eupeodes alaceris* (He & Li, 1998) <sup>[6]</sup>
- *Eupeodes americanus* (Wiedemann, 1830)
- *Eupeodes angustus* (He, 1992)
- *Eupeodes (Metasyrphus) asiaticus* (Peck, 1972)
- *Eupeodes aurosus* (He, 1993)
- *Eupeodes beppuensis* (Matsumura, 1918)
- *Eupeodes biciki* (Nielsen, 2003)
- *Eupeodes borealis* (Dušek & Láska, 1973) <sup>[5]</sup>
- *Eupeodes bucculatus* (Rondani, 1857)
- *Eupeodes chengi* (He, 1992)
- *Eupeodes cheni* (He, 1993)
- *Eupeodes confertus* (Fluke, 1952) <sup>[7]</sup>
- *Eupeodes (Macrosyrphus) confrater* (Wiedemann, 1830)
- *Eupeodes corollae* (Fabricius, 1794)
- *Eupeodes curtus* (Hine, 1922)
- *Eupeodes diminutus* (Matsumura, 1918)
- *Eupeodes duseki* (Mazanek, Láska & Bicík, 1999)
- *Eupeodes eosus* (He, 1992)
- *Eupeodes epicharus* (He, 1992)
- *Eupeodes erasmus* (He, 1992)
- *Eupeodes fallax* (Matsumura, 1918)
- *Eupeodes flaviceps* (Rondani, 1857)
- *Eupeodes (Metasyrphus) flavofasciatus* (Ho, 1987)
- *Eupeodes flukei* (Jones, 1917)
- *Eupeodes (Metasyrphus) frequens* (Matsumura, 1917)
- *Eupeodes fumipennis* (Thomson, 1869)
- *Eupeodes gentneri* (fluke, 1952) <sup>[7]</sup>
- *Eupeodes goeldlini* (Mazanek, Láska & Bicík, 1999)

- *Eupeodes hakiensis* (Matsumura, 1917)
- *Eupeodes harbinensis* (He, 1992)
- *Eupeodes (Macrosyrphus) horishanus* (Matsumura, 1917)
- *Eupeodes indistinctus* (Matsumura, 1918)
- *Eupeodes ishiyamensis* (Matsumura, 1918)
- *Eupeodes isshikii* (Matsumura, 1918)
- *Eupeodes karafutonis* (Matsumura, 1917)
- *Eupeodes kawaguchii* (Matsumura, 1917)
- *Eupeodes (Metasyrphus) kirgizorum* (Peck, 1969)
- *Eupeodes (Metasyrphus) klapperichi* (Dušek & Láska, 1980)
- *Eupeodes kuroiwa* (Matsumura, 1917)
- *Eupeodes lambecki* (Dušek & Láska, 1973) <sup>[5]</sup>
- *Eupeodes lapponicus* (Zetterstedt, 1838)
- *Eupeodes latifasciatus* (Macquart, 1829)
- *Eupeodes latilunulatus* (Collin, 1931)
- *Eupeodes (Metasyrphus) latimacula* (Peck, 1969)
- *Eupeodes lepidi* (He & Li, 1998) <sup>[6]</sup>
- *Eupeodes liaoensis* (Huo, 2020)
- *Eupeodes lucasi* (Marcos-García & Láska, 1983)
- *Eupeodes lundbecki* (Soot-Ryen, 1946)
- *Eupeodes luniger* (Meigen, 1822)
- *Eupeodes medius* (Matsumura, 1918)
- *Eupeodes misomapensis* (Matsumura, 1918)
- *Eupeodes montanus* (Curran, 1925) <sup>[4]</sup>
- *Eupeodes montivagus* (Snow, 1895)
- *Eupeodes (Metasyrphus) nakajimensis* (Matsumura, 1918)
- *Eupeodes neoperplexus* (Curran, 1925) <sup>[4]</sup>
- *Eupeodes nielsenii* (Dušek & Láska, 1976) <sup>[5]</sup>
- *Eupeodes nigroventris* (Fluke, 1933)
- *Eupeodes nitens* (Zetterstedt, 1843)
- *Eupeodes noboritoensis* (Ninomiya)
- *Eupeodes nuba* (Wiedemann, 1830)
- *Eupeodes ohmi* (Kassebeer, 2000)
- *Eupeodes (Macrosyrphus) okinawensis* (Matsumura, 1916)
- *Eupeodes parvus* (He, 1990)
- *Eupeodes perplexus* (Osburn, 1910)
- *Eupeodes pingreensis* (Fluke, 1930)
- *Eupeodes pomus* (Curran, 1921)
- *Eupeodes punctifer* (Frey, 1934)
- *Eupeodes punctifer* (Kanervo, 1934)
- *Eupeodes qingchenshanensis* (He, 1990)
- *Eupeodes riukuensis* (Matsumura, 1918)
- *Eupeodes rojasi* (Marnef, 1999)
- *Eupeodes rufipunctatus* (Curran, 1925) <sup>[4]</sup>

- *Eupeodes sculleni* (Fluke, 1952) <sup>[7]</sup>
- *Eupeodes shirakii* (Matsumura, 1918)
- *Eupeodes silvaticus* (He, 1993)
- *Eupeodes simillicorollae* (Huo, Ren & Zheng, 2007)
- *Eupeodes (Metasyrphus) sinuatus* (Ho, 1987)
- *Eupeodes (Metasyrphus) snowi* (Wehr, 1924)
- *Eupeodes spurius* (Matsumura, 1918)
- *Eupeodes (Metasyrphus) stackelbergi* (Dušek & Láška, 1980)
- *Eupeodes stenopus* (Matsumura, 1917)
- *Eupeodes subsimus* (Fluke, 1952) <sup>[7]</sup>
- *Eupeodes (Metasyrphus) taeniatus* (Ho, 1987)
- *Eupeodes talus* (Fluke, 1933)
- *Eupeodes tirolensis* (Dušek & Láška, 1973) <sup>[5]</sup>
- *Eupeodes (Metasyrphus) tjanshanicus* (Peck, 1966)
- *Eupeodes (Metasyrphus) tshatkalensis* (Peck, 1972)
- *Eupeodes vandergooti* (Dušek & Láška, 1973) <sup>[5]</sup>
- *Eupeodes (Metasyrphus) verruciventris* (Peck, 1966)
- *Eupeodes volucris* (Osten Sacken, 1877)

## References

---

1. Vockeroth, J. R. (1992). *The Flower Flies of the Subfamily Syrphinae of Canada, Alaska, and Greenland (Diptera: Syrphidae). Part 18. The Insects and Arachnids of Canada* ([https://web.archive.org/web/20130615031244/http://esc-sec.ca/aafcmonographs/insects\\_and\\_arachnids\\_part\\_18.pdf](https://web.archive.org/web/20130615031244/http://esc-sec.ca/aafcmonographs/insects_and_arachnids_part_18.pdf)) (PDF). Ottawa, Ontario: Canadian Government Pub Centre. pp. 1–456. ISBN 0-660-13830-1. Archived from the original ([http://www.esc-sec.ca/aafcmonographs/insects\\_and\\_arachnids\\_part\\_18.pdf](http://www.esc-sec.ca/aafcmonographs/insects_and_arachnids_part_18.pdf)) (PDF) on 2013-06-15. Retrieved 2013-06-26.
2. Skevington, Jeffrey H.; Locke, Michelle M.; Young, Andrew D.; Moran, Kevin; et al. (2019). *Field Guide to the Flower Flies of Northeastern North America* (<https://press.princeton.edu/books/paperback/9780691189406/field-guide-to-the-flower-flies-of-northeastern-north-america>). Princeton Field Guides. Princeton University Press. ISBN 9780691189406.
3. Fluke, C. L (1952). "The Metasyrphus Species of North America" (<https://digitallibrary.amnh.org/handle/2246/2398>). *The American Museum of Natural History*. **1590**: 1–27. hdl:2246/2398 (<https://hdl.handle.net/2246%2F2398>).
4. Curran, Charles Howard (1925). "Contribution to a monograph of the American Syrphidae north of Mexico" (<https://www.biodiversitylibrary.org/page/4391303#page/15/mode/1up>). *The Kansas University Science Bulletin*. **15**: 7–216.
5. Dusek, J. & Laska, P. (1976) European species of Metasyrphus: key, descriptions and notes. *Acta ent. bohemoslov.*, 73: 263 – 282
6. He, J.L; Li, Q.X; Sun, X.Q (1998). "A study of Chinese Eupeodes with descriptions of two new species" (<https://archive.org/details/acta-entomologica-sinica-2948/page/298/mode/2up>). *Acta Entomologica Sinica*. **41** (3): 291–299.
7. Fluke, C. L (1952). "The Metasyrphus Species of North America" (<https://digitallibrary.amnh.org/handle/2246/2398>). *The American Museum of Natural History*. **1590**: 1–27. hdl:2246/2398 (<https://hdl.handle.net/2246%2F2398>).

