Identifying soldierflies and allies: Chloromyia and Microchrysa soldierflies

Version 2 updates:

- Extra photos of *M. cyaneiventris* male
- Key added to maps Version 3 updates:
- Extra photos of male and female *M. cyaneiventris*

Compiled by Martin C. Harvey for the Soldierflies and Allies Recording Scheme

Version 3 at 12 August 2021

These guides are only possible thanks to the generosity of the brilliant photographers who have allowed their images to be used. Special mention must be given to Malcolm Storey and Steven Falk, whose photo collections form the backbone for most of the species guides:

Malcolm Storey's BioImages website – Steven Falk's photo collections on Flickr

Other photographers included in this guide are Alastair Forsyth, Allan Burrows, Ian Andrews, Janet Graham, Martin Harvey, Nicola Garnhamand Per Smiseth.

Males are shown first, one page for each species, then females. The pages for males include distribution maps taken from the recording scheme's **provisional atlas** (Harvey 2017).

As far as possible, these guides show features that can be seen on live insects in the field, or are likely to be visible in photographs. For comprehensive identification keys and species accounts see <u>British</u> <u>soldierflies and their allies</u>, by Alan Stubbs and Martin Drake. See also the recording scheme's <u>additional notes</u> to accompany the Stubbs and Drake keys.

For lots more information on soldierflies and allies go to the recording scheme <u>website</u>, <u>Twitter</u> page or <u>Facebook</u> group.

For lots more information and events, and to support the study and conservation of flies, please consider joining <u>Dipterists Forum</u>.

Records wanted! Once you have identified your fly, please let the recording scheme have the details! Add to <u>iRecord</u> or send to the <u>recording scheme</u> so that we can share the records for conservation and research.

> The Soldierflies and Allies Recording Scheme is supported by the UKCEH Biological Records Centre



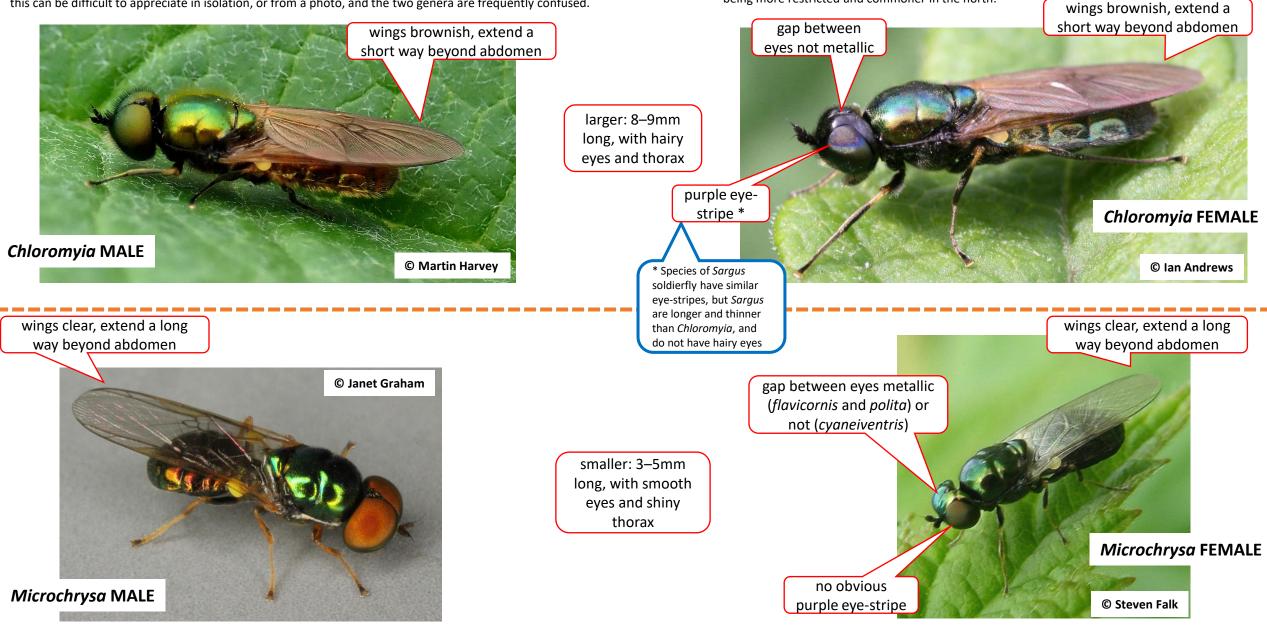
The Soldierflies and Allies Recording Scheme is part of Dipterists Forum

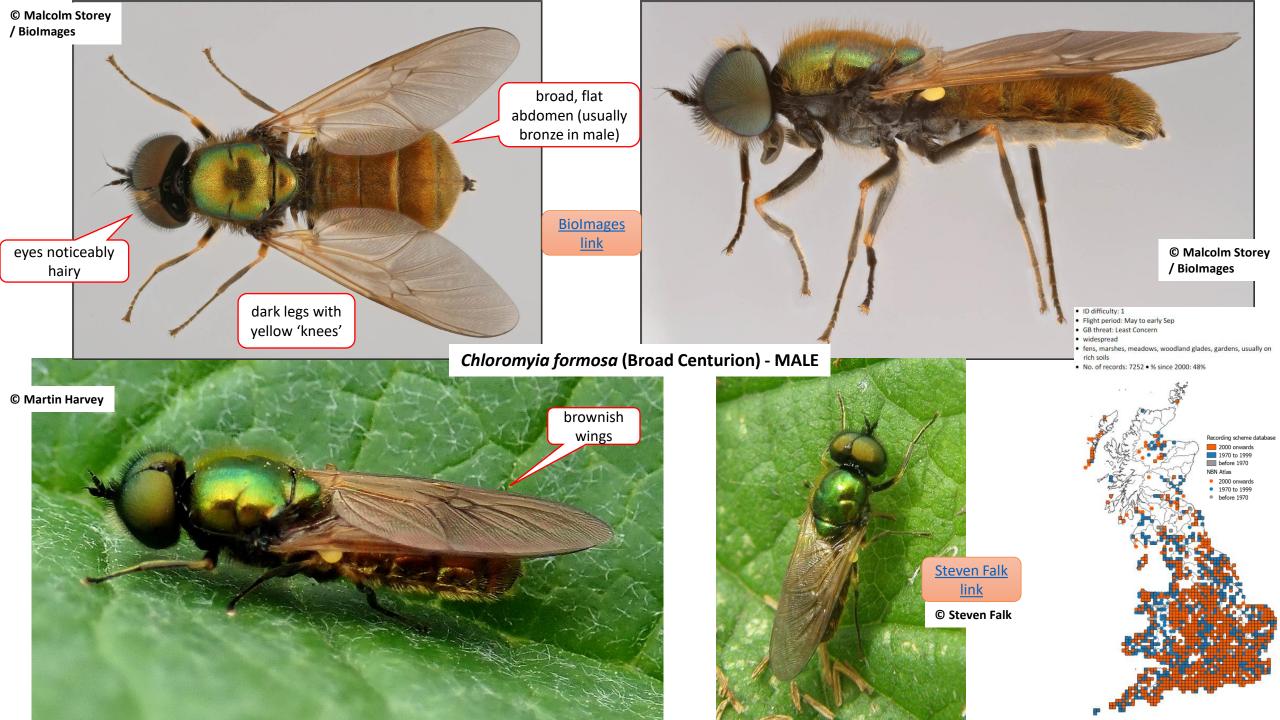


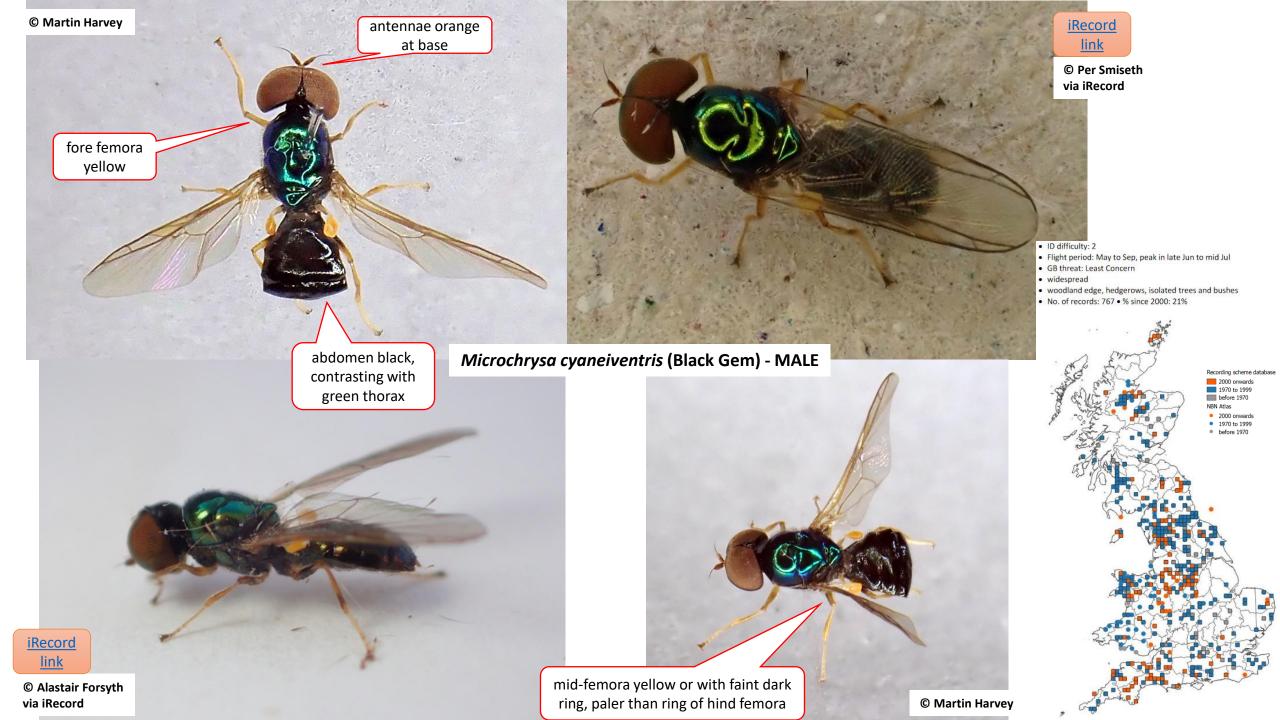
Recognising the genus: Chloromyia and Microchrysa

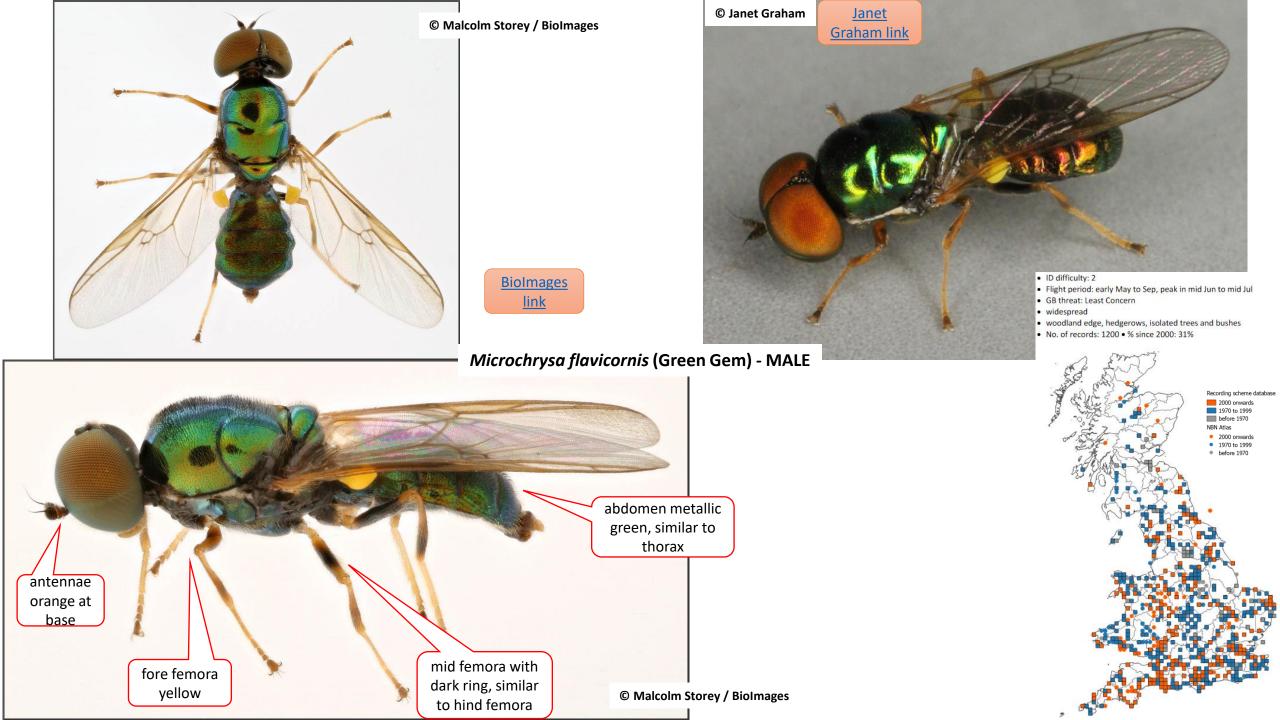
The genus *Chloromyia* contains a single species, and *Microchrysa* has three. They are similar in being metallic green, bronze or blue, and in lacking spines on the scutellum. *Chloromyia* is noticeably larger and broader-bodied than *Microchrysa*, but this can be difficult to appreciate in isolation, or from a photo, and the two genera are frequently confused.

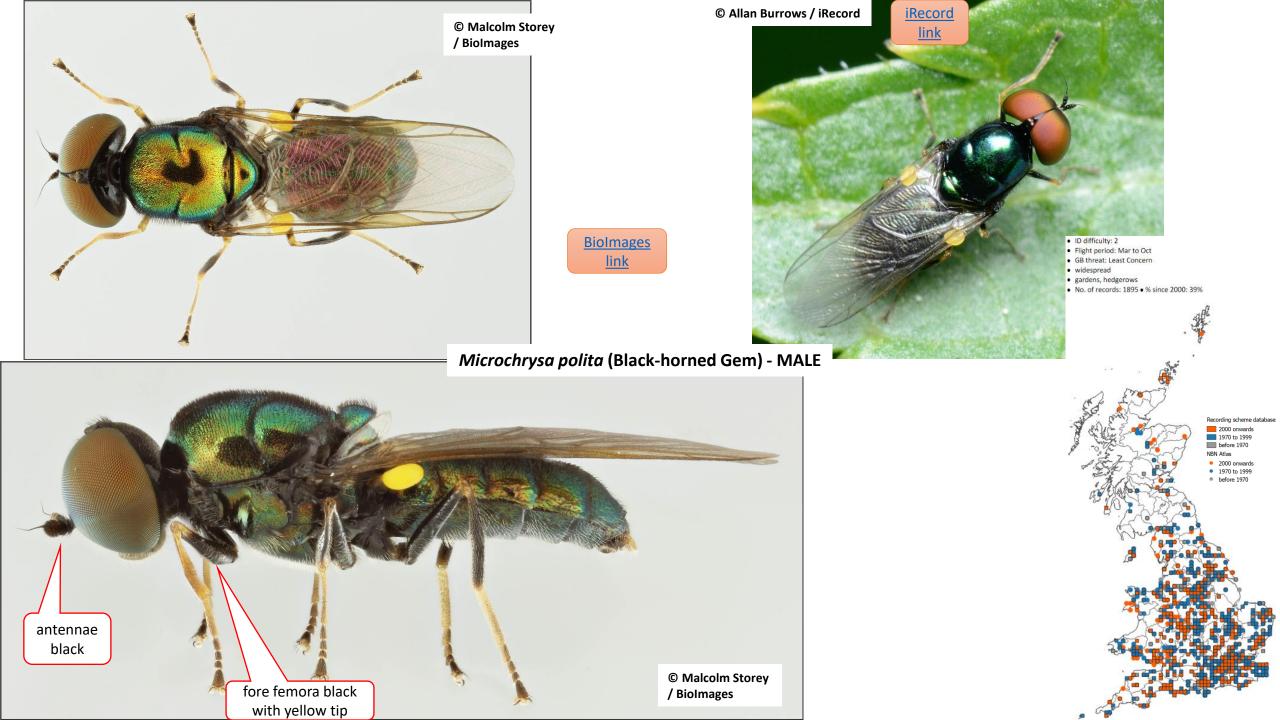
Chloromyia formosa is our most common soldierfly. *Microchrysa flavicornis* and *M. polita* are also widespread, with *M. cyaneiventris* being more restricted and commoner in the north.







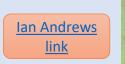










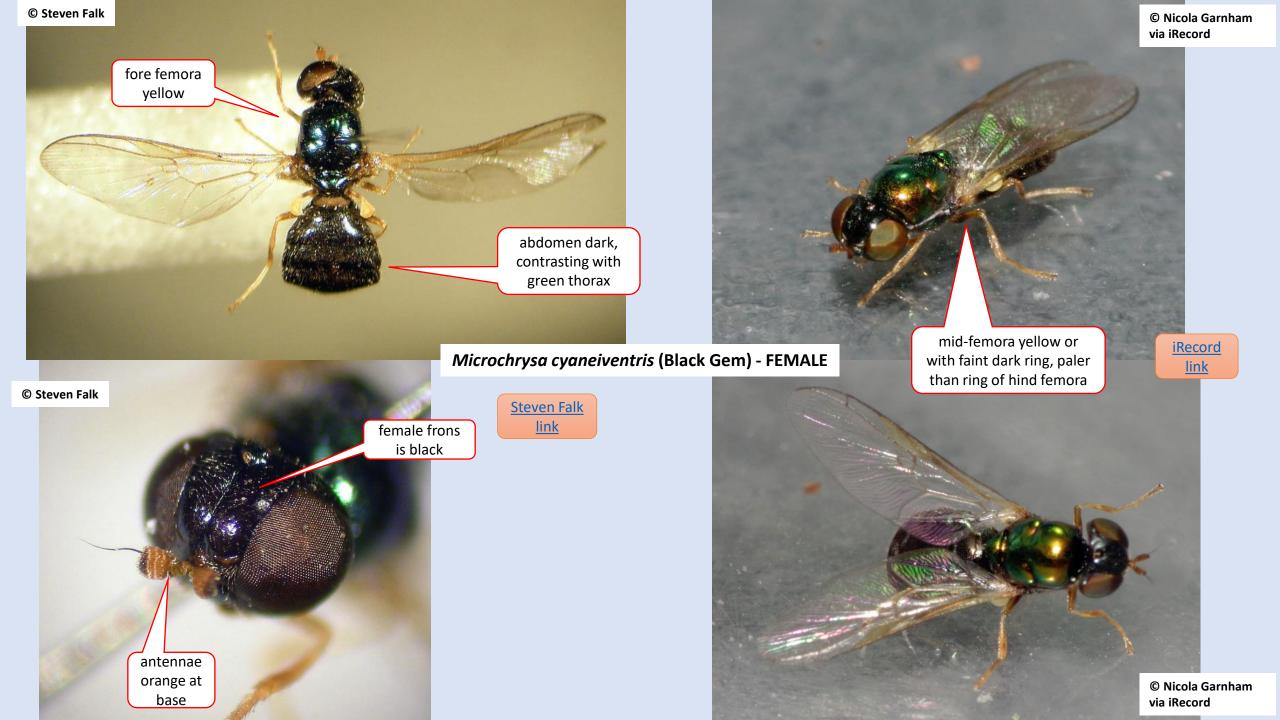


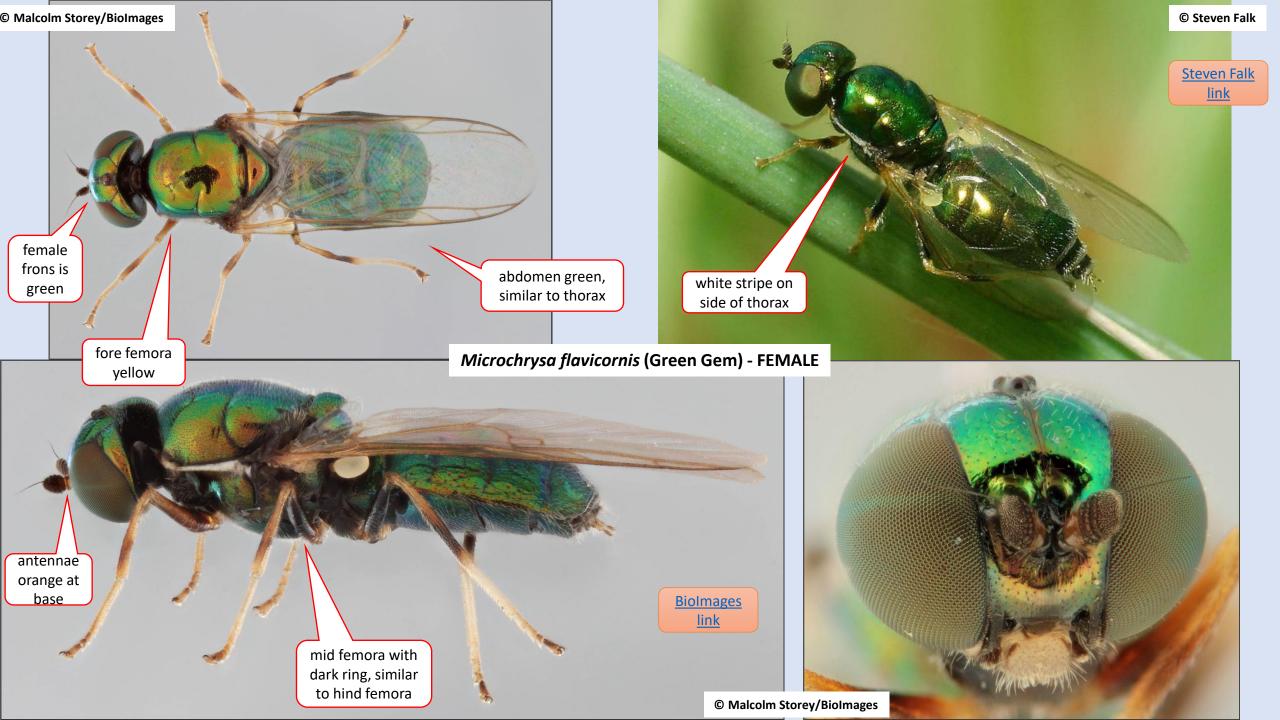
Chloromyia formosa (Broad Centurion) - FEMALE

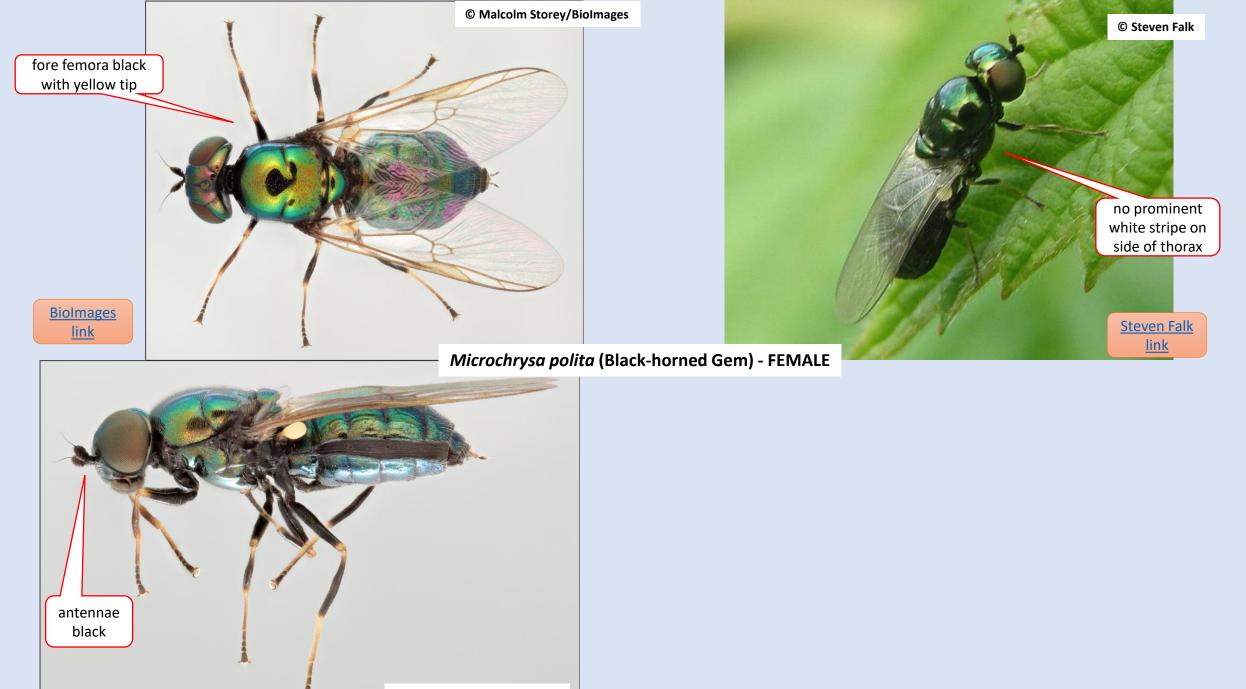
© Ian Andrews broad, flat abdomen (usually blueish in female)











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