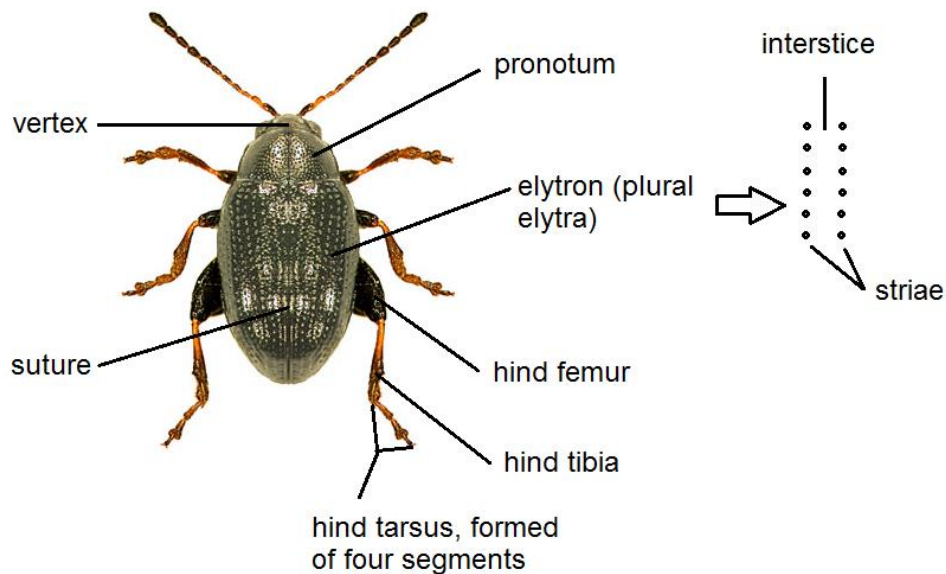


Subfamily Galerucinae

Adapted and updated from Joy (1932) A practical handbook of British Beetles.



Checklist from the Checklist of Beetles of the British Isles, 2012 edition, edited by A. G. Duff. (Available from www.coleopterist.org.uk/checklist.htm).

Tribe GALERUCINI Latreille, 1802

AGELASTICA Dejean, 1836
CALOMICRUS Dillwyn, 1829
DIABROTICA Dejean, 1836
GALERUCA Geoffroy, 1762
GALERUCELLA Crotch, 1873
LOCHMAEA Weise, 1883
LUPERUS Geoffroy, 1762
PHYLLOBROTICA Dejean, 1836
PYRRHALTA Joannis, 1865
SERMYLASSA Reitter, 1912
XANTHOGALERUCA Laboissière, 1934

Tribe ALTICINI Newman, 1834

ALTICA Geoffroy, 1762
APHTHONA Dejean, 1836
APTEROPEDA Dejean, 1836
BATOPHILA Foudras, 1860
CHAETOCNEMA Stephens, 1831
CREPIDODERA Dejean, 1836
DEROCREPIS Weise, 1886
DIBOLIA Latreille, 1829
EPITRIX Foudras, 1860
HERMAEOPHAGA Foudras, 1860
HIPPURIPHILA Foudras, 1860
LONGITARSUS Berthold, 1827
LUPEROMORPHA Weise, 1887
LYTHRARIA Bedel, 1897
MANTURA Stephens, 1831
MNIOPHILA Stephens, 1831
NEOCREPIDODERA Heikertinger, 1911
OCHROSIS Foudras, 1860
PHYLLOTRETA Dejean, 1836
PODAGRICA Dejean, 1836
PSYLLIODES Latreille, 1829
SPHAERODERMA Stephens, 1831

Image credits

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Subfamily Galerucinae

Key to genus, adapted from Joy (1932)

- 1 Hind femora not much broader than middle femora. **Tribe Galerucini**.2

Hind femora much broader than middle femora, being used for jumping. **Tribe Alticini**.11
 These beetles are known collectively as the flea beetles.

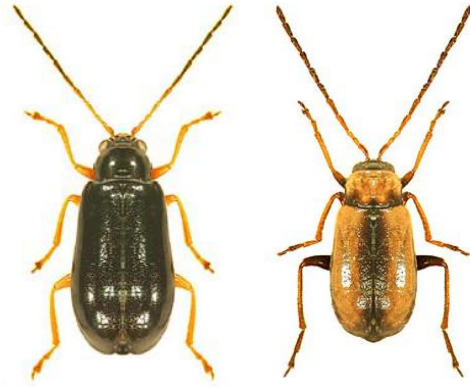


- 2 Elytra with the punctures in lines.
 Genus ***Phratora***
 In subfamily Chrysomelinae - keys here as the antennae are inserted abnormally.



Elytra randomly punctured.3

- 3 Elytra narrower, and segment 1 of hind tarsus longer.4



- Elytra broader, and segment 1 of hind tarsus shorter.5



- 4 Generally reddish brown species with the head, base of pronotum and area around suture black, and eyes less prominent. Length 3-4 mm.
 ***Calomicrus circumfusus***
 England and Scotland; local on dwarf gorse



- Head and elytra blue-black, eyes more prominent. Length 3.8-5 mm.
 Genus ***Lupurus***
 2 local species occurring on willows, birch, etc.



- Head and much of elytra black; pronotum and remainder of elytra yellow.
 ***Diabrotica virgifera***
 Added by Ostoja-Starzewski in 2005.- the western corn rootworm. The female is shown; the male has more black on the elytra.



- 5 Head nearly as broad as pronotum and elytra yellow with two (rarely one) definite round to transverse marks on each.

..... ***Phyllabrotica quadrimaculata***

5-7 mm. in length; a local but widely distributed species associated with *Scutellaria galericulata*



Head much narrower than pronotum; elytra without definite black marks.6

Xanthogaleruca luteola - an accidental introduction which may have formed populations in the wild will not match either couplet here - the head is much narrower than the pronotum but the elytra have long darker stripes.



- 6 Elytra bright metallic; segment 1 of antennae as long as segments 2 and 3 together.7



- Elytra not metallic; segment 1 of antennae longer than segments 2 and 3 together.8



- 7 Vertex of head and elytra green; pronotum yellow.
 ***Sermylassa halensis***
 5-7 mm. in length. A common species mainly found on bedstraws.



- Violet to bluish.
 ***Agelastica alni***
 6-8 mm. in length; very rare species on alder.



- 8 Elytra less elongate, broadening towards the apex.
 Genus ***Galeruca***
 2 species



Elytra more elongate, parallel-sided, or less broadened
 towards the apex.9



- 9 Elytra finely pubescent, more finely punctured, duller, less convex; segment 1 of tarsi narrower than segment 3 in both sexes. 10

Elytra without hair, more strongly punctured and more shining; male with segment 1 of all tarsi much enlarged, as broad as, or broader than third segment.

..... Genus ***Lochmaea***

3 species



- 10 Pronotum and elytra finely and closely punctured; hairs on elytra lying almost at a right angle to suture; segment 9 of antennae about as long as first segment. Head yellow, vertex black, pronotum yellow, vertex and sides black, elytra darker. Length 4.5-6.5 mm.

..... ***Pyrrhalta viburni***

England, Scotland and Ireland; local on *Viburnum opulus*



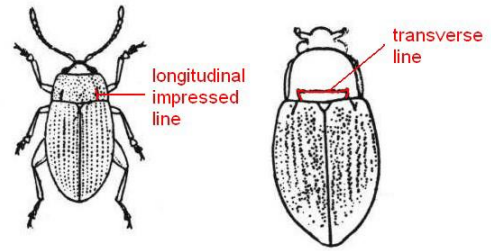
Pronotum and elytra much more strongly punctured; pubescence on elytra lying parallel to suture; segment 9 of antennae much shorter than first segment.

..... Genus ***Galerucella***

6 species



- 11 Pronotum at each side of the base with a short longitudinal impressed line, or with an impressed transverse line or depression at the base. This should be searched for with light coming from in front and at sides. ...12



Pronotum without an impressed line or depression at the base.22

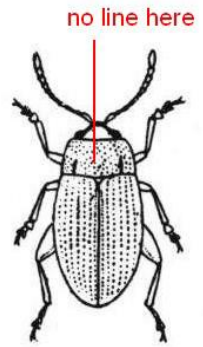
- 12 Elytra and pronotum hairy.
 Genus ***Epitrix***
 2 species



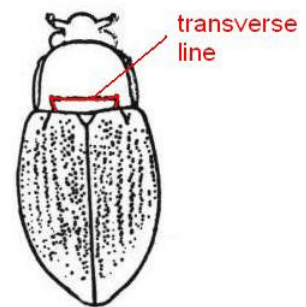
Elytra without any hair.13

Note that the recently reported species *Luperomorpha xanthodera* has some hair on the elytra near the apex which might easily be missed. It has an orange pronotum and keys out in couplet 31a

13 Pronotum unmarked between the longitudinal impressed lines.
 14



Pronotum with a transverse impressed line at the base
 extending from one longitudinal impressed line to the
 other, or the space between these two lines forms a
 distinct shallow furrow. 16



- 14 Pronotum narrower than elytra at shoulders; head and pronotum orange-brown, elytra bluish- or greenish-black.....

..... Genus ***Podagrica***

2 species



Pronotum not, or only slightly, narrower than elytra at shoulders; not coloured as above. 15

- 15 Elytra considerably rounded at the sides, and hind tibiae sharply angled on the outer side.
 ***Chaetocnema concinna***



Elytra much less rounded at the sides; hind tibiae without a sharp angle on the outer side.
 Genus ***Mantura***
 4 species



- 16 Elytra less than 1.5 times longer than wide and strongly rounded at the sides. Elytra randomly punctured; legs mostly black. Dark blue-black species with segments 2-4 of the antennae reddish; length 2.2-3.0 mm.

..... ***Hermaeophaga mercurialis***

Southern England north to Leicester, local on *Mercurialis perennis*



Elytra more or less elongate, less rounded at sides.17

- 17 Elytra randomly punctured; entirely shining blue or green to black.
 Genus ***Altica***
 7 species

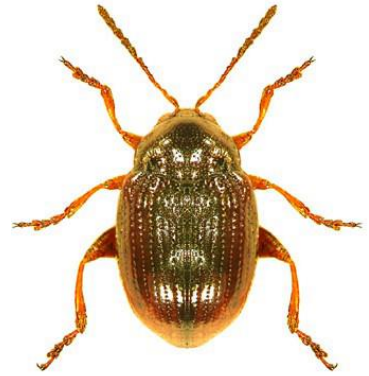


Elytra with the punctures in regular rows (in striae); front and middle legs yellow to reddish yellow. 18
 The punctures are somewhat random in *Crepidodera*

- 18 Elytra less elongate, metallic brassy, becoming brownish-yellow towards the tip. Head and pronotum also brassy. Antennae and legs orange-brown to dark brown-black. Length 1.2-2.2 mm.

..... ***Hippuriphila modeeri***

Local but widely distributed, on *Equisetum arvense*



Elytra more elongate and uniform in colour. 19

- 19 Entirely yellowish brown to reddish yellow-brown, not metallic.20



- Elytra green to almost black in colour and with metallic reflections.21

- 20 Pronotum somewhat dull and with a very fine transverse net-like sculpture. Underside of the beetle black. Length 1.9-2.5 mm. Head orange-yellow; pronotum somewhat lighter, elytra light yellow-brown.

..... ***Ochrosis ventralis***

England northwards to Lancashire; local on *Solanum dulcamara* and *Matricaria*



Pronotum shining and without a net-like sculpture; underside of beetle yellow; larger beetles, length 3-4.2 mm.

..... Genus ***Neocrepidodera***

3 species



- 21 Pronotum not metallic, hind femora dark reddish-brown. Orange-red, except the elytra which are dark blue- or green-black. Length 2.7-3.2 mm.

..... ***Derocrepis rufipes***

Common and widely distributed in Britain on *Vicia*



Pronotum very strongly metallic, hind femora black, or nearly so. All UK species have the pronotum and elytra the same colour, or not distinctly different.

..... Genus ***Crepidodera***

5 species. On *Populus* and *Salix*. In Joy listed as genus *Chalcoides* Foudras, synonymised in 1952 by Hincks.

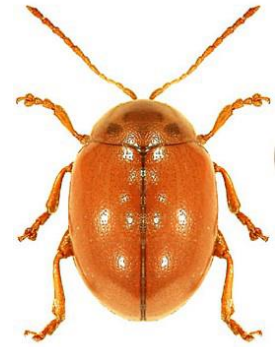


- 22 Hind tarsus inserted at some distance from the apex of the tibia and antennae 10-segmented.
 Genus ***Psylliodes***
 15 species



Hind tarsus inserted at the apex of the tibia; antennae with 11 segments.23

- 23 Length of elytra much shorter compared to their width (less than 1.25 times longer than broad.24



Elytra distinctly more elongate.25

- 24 Antennae distinctly widening towards the apex; small beetle with length only 1.0-1.5 mm.
 ***Mniophila muscorum***

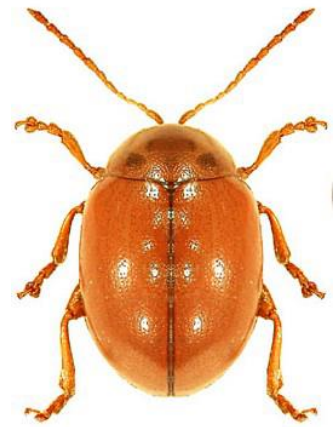
Associated with moss on tree trunks. Widely distributed but local.



Antennae more thread-like, not distinctly widening apically; larger beetles with length 2.3-4.0 mm.

..... Genus ***Sphaeroderma***

2 common species associated with thistles.



- 25 Hind tibia with a long spine at the apex, as long as the first segment of the hind tarsus, which is slightly longer than the three following segments.

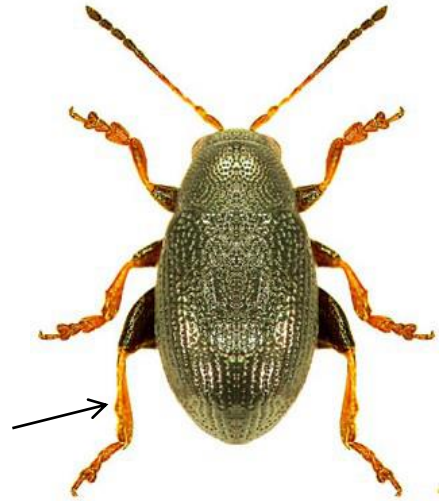
..... Genus ***Scirtes***

In Scirtidae - but may key out to here due to the large hind femora. 2 species



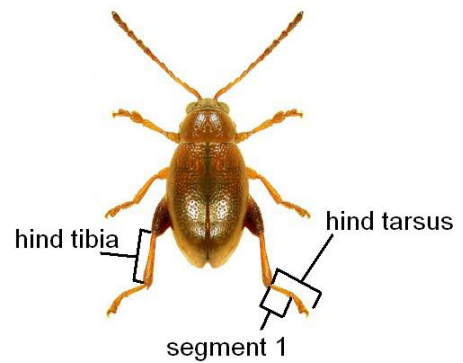
Hind tibia without, or with a short spine at apex.26

- 26 Middle and hind tibiae angled on the outer side;
the hind tibia are widened towards the tip with a
fringe of short hairs on the angles.
..... Genus ***Chaetocnema***
8 species



Tibiae not angled.27

- 27 Hind tarsus very long, nearly as long as the hind tibia, segment 1 slender, longer than the remaining segments and at least half as long as the tibia; segment 1 of tarsus arising from a swelling at the apex of the tibia.
 Genus ***Longitarsus***
 40 species



Hind tarsus not as long, segment 1 stouter, not longer than the remaining segments.28

- 28 Pronotum very distinctly narrowing towards the front.
 Elytra very strongly rounded at sides, with lines of
 punctures extending to the tip.
 Genus ***Apteropeda***
 3 species



Pronotum nearly parallel-sided, or slightly contracted in front; elytra not so
 strongly rounded at sides.29

- 29 Elytra with strong regular punctures in lines which are continued to apex.
 Genus ***Batophila***
 2 species



Elytra randomly punctured or with lines of fine punctures which disappear in the apical third.30

- 30 Head and pronotum orange-red; elytra blue- or green-black.
 Genus ***Podagrica***
 2 species



Not coloured thus.31

- 31 Elytra with sparse fine hair on the apical margin.
 Antennae with segments 2 and 3 small, nearly equal in
 length and much smaller than the following segments.
 Head and elytra black; pronotum orange.



..... ***Luperomorpha xanthodera***

Reported in 2004 on roses in a garden centre



Elytra without hair; colouration and antennal features different.32

- 32 Flatter beetles; elytra with a longitudinal yellow band on each (sometimes interrupted) or if elytra are uniformly dark, the legs are also black.

..... Genus ***Phyllotreta***

15 species



More convex beetles; elytra without longitudinal yellow bands; legs more or less yellow.33

- 33 Head concealed when viewed from above. Hind tibia armed with a forked apical spur. Black with a greenish reflection, femora black, tibiae reddish-orange; hind tibiae somewhat thickened at apex. Length 2.6-3 mm.

..... ***Dibolia cynoglossi***

Southern England northwards to Cambridgeshire.; very local, on *Galeopsis ladanum*



Head not concealed. Hind tibia without a forked spur.34

- 34 Elytra with the punctures in lines; entirely brownish-yellow, sometimes tending to orange-brown. Tip of antennae darker. Length 1.8-2.3 mm.

..... ***Lythraria salicariae***

England northwards to Lancashire., local on *Lysimachia vulgaris*



Elytra randomly punctured; if brownish-yellow, then the head and hind femora are much darkened.

..... Genus ***Aphthona***

8 species

