

Key to the British and Irish Macrophyta after Benson, 1952

- 1 Either the hind legs are marked with red or the front and middle femora are entirely yellow 2
- The hind legs are not marked with red and the front and middle femora are at least partly darkened 4
- 2 Front and middle femora are entirely yellow and those tibiae are also yellow from the base almost to the apex 3
- Front and middle femora black and white only. A striking insect with red hind femora and in the female (males extremely rare) a bright white scutellum.
punctumalbum (Linnaeus, 1767)



Fig.1 Female *Macrophyta punctumalbum*

- 3 Stigma of forewing yellow and hind femora red from the apex back more or less to the black base. ***rufipes*** (Linnaeus, 1758)
- Stigma of forewing black and the hind femora yellow at least at the base. ***montana*** (Scopoli, 1763)



Fig.2 Male *Macrophyta rufipes*



Fig. 3 Female *Macrophya montana*



Fig. 4 Male *Macrophya montana*

- 4 A small oval or rounded metepimeral appendage (see Fig.8) present below the hind wing where the thorax meets the abdomen. Head and mesonotum, between the dense, fine punctures, dulled by coriaceous (leather-like) surface sculpture. Length 10 to 12.5mm 5
- No metepimeral appendage. Head and mesonotum shiny on impunctate areas or between coarse punctures. Length under 10mm. 7
- 5 Stigma of forewing black. Abdomen black and usually with a red girdle but without any lateral pale flecks on the apical tergites. 6
- Stigma of forewing yellow and translucent centrally. Abdomen black with pale lateral flecks on some apical tergites. Wings yellow in the female and pale brownish in males. Females with a bright white scutellum.

duodecimpunctata (Linnaeus, 1758)



Fig. 5 Male *Macrophya duodecimpunctata*



Fig. 6 Female *Macrophya duodecimpunctata*

- 6 Hind coxae conspicuously marked with white on the outer face. Abdomen with the red girdle sometimes reduced or missing. ***blanda*** (Fabricius, 1775)
- Hind coxae entirely black. Abdomen with the red girdle rarely reduced. ***annulata*** (Geoffroy, 1785)



Photo Credit Tim Worfolk

Fig. 7 Female *Macrophya blanda*



Fig. 8 Female *Macrophya annulata* with metepimeral appendage detail

- 7 Length over 8mm and/or the abdomen is entirely black on the lateral faces of the tergites. Stigma of forewing black. 8
- Length 6-8mm. Tergites with white apical margins on the lateral faces and sternites with apical white margins also. Stigma of forewing pale and translucent in the middle but with darker borders. Eyes green in life. ***albipuncta*** (Fallén, 1808)

- 8 Length 8-10mm. Head with coarse punctures above (compare Fig. 9 to Fig. 12). Black with any white restricted to the clypeus and parts of the leg. Not normally white on the pronotum, scutellum or first tergite. *ribis* (Schrank, 1781)
- Length usually at least 10mm. Head above shiny with sparse or impunctate areas on the frons and temples. Frequently with white on the pronotum, scutellum or first tergite.

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Fig. 9 Male *Macrophyta ribis*

- 9 Hind trochanters are predominantly marked with white and the trochantellus never has a black spot. In the males the labrum is usually predominantly white and/or slightly darkened at the lateral margins. In the female the vein **RS+M** of cell **1R1** clearly longer than the distance between the end of that vein and the point where vein **M** joins vein **Sc+R** (see Fig. 11) *alboannulata* Costa, 1859
- Hind trochanters predominantly black and the trochantellus usually white with a black spot. In males the labrum of is usually mostly black or at least significantly darkened on the lateral margins. In the female the vein **RS+M** of cell **1R1** clearly shorter than the distance between the end of that vein and the point where vein **M** joins vein **Sc+R** (compare to Fig. 11) *albicincta* (Schrank, 1776)



Figs. 10 *Macrophyta alboannulata* female and Fig. 11 *alboannulata* identification features



Fig. 12 Male *Macrophyta albicincta* and Fig. 13 *albicincta* identification features

References

Benson, R.B., 1952. Handbooks for the Identification of British Insects. Hymenoptera, Symphyta, Vol 6, Section 2(a-c), Royal Entomological Society, London

Chevin, H., 1975. Remarques taxinomiques et biologiques sur les *Macrophyta* (Hym., Tenthredinidae) se développant sur *Sambucus* (Caprifoliaceae). Annales de la Société entomologique de France.