

Morphological diagnostics

BACTROCERA FRAUENFELDI COMPLEX AND SIMILAR SPECIES

	<i>B. frauenfeldi</i>	<i>B. albistrigata</i>	<i>B. trilineola</i>	<i>B. parafrasfeldi</i>	<i>B. caledoniensis</i>	<i>B. kirki</i> *	<i>B. psidii</i> *
exotic/ Australian /pest	pest, present QLD	pest, exotic (SE Asia)	pest, exotic (Vanuatu)	host not known, present NT	no economic hosts, exotic (New Caledonia)	pest, exotic (Samoa, Tonga, Niue, Tahiti)	pest, exotic (New Caledonia)
face	facial spots	facial spots	black mask	facial spots	no markings	facial spots	facial spots
lateral vittae	very short tapered <i>or</i> medium tapered <i>or</i> moderately broad & long	moderately broad and long	absent	none <i>or</i> present as short narrow tawny coloured spots	moderately broad & long	absent	medium length tapered vittae
ppn lobes	black <i>or</i> fuscous <i>or</i> partly to mostly orangey yellow	mostly yellow	fuscous to black	black	mostly yellow	mostly yellow	mostly yellow
scutellum	broad black basal band <i>or</i> triangle <i>or</i> broad band to apex	broad black basal band	broad black band to apex	broad black band to apex	broad black basal band about 1/3 of scutellum	broad black band to apex	large black triangle
legs	fuscous to black hind tibiae, mid & hind femora dark apically	hind tibiae fuscous, femora generally fulvous tending red-brown apically	hind tibiae fuscous, hind femora fuscous apically	all tibiae fuscous, mid and hind femora black apically	hind tibiae fuscous	fuscous tibiae, femora fulvous	all segments pale

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abdomen	broad medial line and 2 broad lateral longitudinal bands	narrow or medium medial line , darkened lateral margins varying from narrow elongate antero-lateral corners on T3-T5 to 2 broad lateral longitudinal bands	very broad medial line and 2 broad lateral longitudinal bands	broad medial line and 2 broad lateral longitudinal bands	all terga black except for narrow fuscous band on T5	broad medial line and 2 broad lateral longitudinal bands	all terga black except for narrow fuscous band on T5
wing	transverse band	transverse band	transverse band	transverse band	transverse band	tinge around r-m and dm-cu cross veins that may appear to be faint band	tinge around r-m and dm-cu cross veins that may appear to be faint band

*not *frauenfeldi* complex

The *B. frauenfeldi* complex can be separated from other members of the subgenus (*Bactrocera* (*Bactrocera*)) by the presence of a dark crossband from the pterostigma (cell sc), which also includes both the r-m and dm-cu cross vein. This runs roughly parallel to the anal stripe (diagonal mark across wing base). However, the costal band is very pale and often not visible at all beyond apex of R₂₊₃.