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The distribution  
and host plants

*of* **fruit flies**

(DIPTERA: TEPHRITIDAE)



*in Australia*

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SECTION 1

*introduction*

# introduction

Host records for fruit flies have appeared in a number of publications dating back to the 1890s (see Drew 1989). For the Dacinae, the subfamily containing most of the pest species in Australia, known information was summarised by May (1953, 1957, 1960) and Drew (1989). Earlier information for subfamilies Ceratitidinae (containing the Mediterranean fruit fly) and Trypetinae was summarised by Permkam and Hancock (1995a, 1995b). Known information for the subfamily Tephritinae was provided by Hardy and Drew (1996). No previous study has attempted to provide a detailed host list for all the fruit fly species now known from Australia.

The present study includes available distribution, male lure and host plant information for the 278 species of Tephritidae recorded from Australia (including Torres Strait islands but excluding Christmas and Cocos (Keeling) islands in the Indian Ocean). This total includes 269 described species plus nine undescribed species of Tephritinae.

Hardy and Foote (1989) reported two Palaearctic species of *Urophora* Robineau-Desvoidy (Tephritinae: Myopitini) from the Northern Territory, viz. *U. quadrifasciata* (Meigen) and *U. stylata* (Fabricius). Locality labels on the specimens concerned actually indicate New South Wales but all appear to be mislabelled specimens of European origin. They are not included in the present study.

## SOURCES OF INFORMATION

Taxonomic placement of fruit fly species largely follows revisionary studies by Drew (1989) for the Dacinae, Permkam and Hancock (1995a, 1995b) for the Ceratitidinae and Trypetinae and Hardy and Drew (1996) for the Tephritinae, with subsequent additions or amendments by Hancock (1995, 1996, 1998), White and Hancock (1997), Hancock *et al.* (1998) and Drew *et al.* (1999). Classification into subfamilies and tribes is still largely unsettled. In the Trypetinae it is now generally accepted that tribes Acanthonevrini and Euphrantini are not separable from tribes Phytalmiini and Adramini respectively, as suggested by Permkam and Hancock (1995b) and other authors. Due to the continuing uncertainty of the relationships of *Acidoxantha* Hendel and *Xarnuta* Walker, these are referred here to distinct tribes, as suggested by Dr V. A. Korneyev (personal communication).

Fruit fly species distributions are derived also from the revisionary studies of Drew (1989), Permkam and Hancock (1995a, 1995b) and Hardy and Drew (1996), with additional information obtained from May (1963), Drew *et al.* (1981, 1999), Hancock (1995, 1996), Osborne *et al.* (1997) and Hancock *et al.* (1998), plus a few new records from recent surveys in northern Queensland.

In Australia, male lures are known only for the genera *Ceratitis* MacLeay (subfamily Ceratitidinae), *Bactrocera* Macquart and *Dacus* Fabricius (subfamily Dacinae). Hence this category is not noted for other genera or subfamilies. Male lure data for the Dacinae is derived from Drew (1989), with some additional information from recent field surveys in northern Queensland. Many species of Dacinae are attracted to the flowers of orchids (e.g. *Bulbophyllum*, *Dendrobium*) (May 1953, 1960; DLH unpublished observations), which contain methyl eugenol or a compound similar to cue lure, or to the flower-spike of the ornamental arum lily *Spathiphyllum cannaefolium*, which also contains methyl eugenol (Lewis *et al.* 1998). Males of *Bactrocera jarvisi* have also been reported attracted in large numbers to the flowers of certain species of *Passiflora* (Passifloraceae) and to *Semecarpus australiensis* (Anacardiaceae) (May 1953, 1960). Methyl eugenol responding fruit fly species were occasionally encountered in rainforest traps in northern Queensland with orchid pollen adhering to their mesonota or eyes.

In the host species tables, letters in the 'Reference' column indicate the sources listed below (Table 1). In most cases, the earliest source has been quoted, beginning with the studies of Hardy (1951) and May (1953), with subsequent references representing additional records, not a repetition of those already cited. Earlier records were included by May (1953) however and, with the exception of those attributed to Hardy (1951), these are included under May (1953). Similarly, some Trypetinae records reported by Dodson and Daniels (1988) and White and Elson-Harris (1992) are included under Permkam and Hancock 1995b. Unless otherwise stated, records refer to breeding in fruit.

Botanical nomenclature largely follows Cooper and Cooper (1994), Saunt (1990), USDA Natural Resources Conservation Service The PLANTS database (1999) and the Missouri Botanical Garden database, "w3TROPICOS".

TABLE 1. Sources for references A – Z in host list tables.

LETTER	SOURCE	LETTER	SOURCE
A	Hardy 1951	N	Hancock <i>et al.</i> 1998
B	May 1953	O	Drew <i>et al.</i> 1999
C	Jenkins and Shedley 1956	P	QDPI Papaya fruit fly database
D	May 1957	Q	QDPI SEQId database
E	May 1960	R	QDPI Torres Strait database
F	Hardy 1967	S	NTDPIF database
G	Allwood and Angeles 1979	T	WADA Qfly eradication report
H	Fitt 1981	U	Miscellaneous records - QDPI
I	Smith <i>et al.</i> 1988	V	Miscellaneous records - CSIRO
J	Drew 1989	W	Miscellaneous records - QDNR
K	Permkam and Hancock 1995a	X	Pers. comm. - J. den Hollander
L	Permkam and Hancock 1995b	Y	Pers. comm. - A. Postle
M	Hardy and Drew 1996	Z	Edwards <i>et al.</i> 1999

### NOTES ON SOURCE REFERENCES P – W

- P - Database established for North Queensland Papaya fruit fly eradication programme, 1995-1999. Prepared largely by P. Gleeson, Queensland Department of Primary Industries. Approximately 85,000 fruit samples and 21,300 host records.
- Q - Database for southeast Queensland, 1992-ongoing. Prepared by E. Hamacek, Queensland Department of Primary Industries. Includes 270 fruit samples and 130 host records.
- R - Database established for Torres Strait Papaya fruit fly eradication programme, 1993-1995. Prepared by E. Hamacek, Queensland Department of Primary Industries. Includes 444 fruit samples and 204 host records.
- S - Database maintained by Northern Territory Department of Primary Industry and Fisheries, 1976-ongoing. Includes over 4,000 fruit samples and 1,000 host records.
- T - Western Australia Department of Agriculture (1992). Qfly Eradication Campaign Report. Provided by Dr J. den Hollander.
- U - Miscellaneous records from QDPI Taxonomic Services, including material collected by M. Elson-Harris, E. Hamacek, R.A.I. Drew and B. McCulloch.
- V - Material in CSIRO, Canberra. Identified by D.L. Hancock.
- W - Material in Queensland Department of Natural Resources, Brisbane. Identified by D.L. Hancock.

### VALIDITY OF HOST RECORDS

Fruit fly species are frequently recorded from unusual hosts. In many cases these records are from overripe or damaged fruit, or that already infested by other species. Hence, a record from a particular fruit does not necessarily mean that it is a normal host for that fly species. In a few cases fruit maturation stage is also important. For example, *Dirioxa pornia* infests a wide range of fruit that normally (if not invariably) is in a ripe, overripe or damaged state. In the case of bananas, species such as *Bactrocera tryoni* infest only ripening fruit, whilst *B. musae* and *B. papayae* infest them at a greener stage. There are no records from commercial hard green bananas. In the context of this study, the term 'major host' in the comments column indicates that numerous records are available, not that the plant is necessarily a major host in all areas or situations.

Large databases, such as that for the QDPI Papaya fruit fly eradication programme from 1995-1999, contain a variety of suspected errors. Some may be attributed to misidentification of the fruit fly (especially teneral specimens) or plant. Examples of the former include confusion between *Bactrocera aglaiae*, *B. cucumis*, *B. signatifer* and *B. visenda*, or between *B. musae* and *B. bancroftii*; an example of the latter is the similarity between the fruit of *Endiandra* spp. (Lauraceae) and *Chionanthus ramiflorus* (Oleaceae). A few records of *B. barringtoniae*, *B. calophylli*, *B. nigra* and *B. pallida* from unusual hosts appear to result from misidentification of teneral specimens of other species. Other errors are a result of contamination of samples during field transportation, larvae sometimes moving from one sample to an adjacent one by tunnelling through paper bags; this usually involves one or two specimens being recorded from an unusual host. A few appear to be transcription errors or a misreading of sample numbers. Database entries that may be attributed confidently to one of the above errors are not included in the present host list. Records that cannot be attributed confidently as errors are included. Many of those in unusual hosts, based on single or a few specimens (noted in the comments), are particularly doubtful and at least some may represent contamination of samples. Other records that

are in doubt are noted in the comments as doubtful or requiring confirmation.

Some older records from commercial fruit (many summarised in May 1963 and Drew 1982) have subsequently been determined as errors (Drew 1989, Smith *et al.* 1988) and are not repeated here. Some may refer to capture on a plant, rather than an actual rearing record. In the case of Tephritinae species that breed in flower heads of Asteraceae, however, capture on a particular plant frequently indicates a host.

### INTRODUCED SPECIES

Several species of Tephritinae have been introduced into Australia for weed biocontrol purposes and it is expected that others will be introduced in the future. The following are currently present: *Euaesta aequalis* (Loew), *E. bullans* (Wiedemann) and *Procecidochares utilis* Stone, originally from the Americas (Hardy and Drew 1996), plus *Mesoclanis magnipalpis* (Bezzi) and *M. polana* (Munro), originally from South Africa (Edwards *et al.* 1999).

One Ceratitidinae species of African origin, the Mediterranean fruit fly *Ceratitis capitata* (Wiedemann), was accidentally introduced into Western Australia and New South Wales during the 1890s and spread to southeast Queensland and Victoria by 1909. It disappeared from the eastern states by the 1940s but still persists in many areas of Western Australia (Permkam and Hancock 1995a).

Two Dacinae species of Asian origin, *Bactrocera* (*Bactrocera*) *papayae* Drew & Hancock and *B. (B.) philippinensis* Drew & Hancock were accidentally introduced into mainland Australia during the 1990s. Both were successfully eradicated from the mainland.

SECTION 2

*distribution  
& host plants*

# distribution & host plants

FAMILY	<b>TEPHRITIDAE</b>
SUBFAMILY	<b>CERATITIDINAE</b>
TRIBE	<b>ACIDOXANTHINI</b>

## 1. *Acidoxantha quinaria* Permkam & Hancock

DISTRIBUTION Kununurra district, Western Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MALVACEAE unidentified species		K	breeds in flowers

TRIBE	<b>CERATITIDINI</b>
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## 2. *Ceratitella amyemae* Permkam & Hancock

DISTRIBUTION Southern Northern Territory and southern Queensland.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
LORANTHACEAE <i>Amyema maidenii</i>	mistletoe	I,K	

## 3. *Ceratitella bifasciata* Hardy

DISTRIBUTION Southeast Queensland.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
LORANTHACEAE <i>Amylotheca dictyophleba</i>	mistletoe	F	breeds in seeds

## 4. *Ceratitella loranthi* (Froggatt)

DISTRIBUTION Southern half of Australia, north to Alice Springs and northern New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
LORANTHACEAE <i>Amyema miquelii</i>	mistletoe	F	
<i>Amyema pendulum</i>	mistletoe	K	

## 5. *Ceratitella recondita* Permkam & Hancock

DISTRIBUTION Eastern Australia, from Paluma in northern Queensland to central New South Wales.  
 HOST PLANT None recorded.

## 6. *Ceratitella unifasciata* Hardy

DISTRIBUTION Eastern Australia, from Cedar Bay (south of Cooktown) to central New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
LORANTHACEAE			
<i>Dendrophthoe</i> sp.	mistletoe	N	

## 7. *Ceratitis capitata* (Wiedemann)

COMMON NAME Mediterranean fruit fly; medfly.  
 DISTRIBUTION Western Australia, north to Broome. Occasional outbreaks or detections in northwest Western Australia, South Australia and Northern Territory.  
 MALE LURE Capilure, trimedlure and terpinyl acetate.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Harpephyllum caffrum</i>	Kaffir plum	T	
<i>Mangifera indica</i>	mango	C,T	
APOCYNACEAE			
<i>Carissa macrocarpa</i>	Natal plum	C	
ARACEAE			
<i>Monstera deliciosa</i>	monstera	T	doubtful host, recorded once
CACTACEAE			
<i>Opuntia</i> sp.	prickly pear	T	
<i>Pereskia aculeata</i>	Barbados gooseberry	T	overripe or damaged fruit
CARICACEAE			
<i>Carica papaya</i>	pawpaw	T	
EBENACEAE			
<i>Diospyros kaki</i>	persimmon	C,T	
ERICACEAE			
<i>Arbutus unedo</i>	Irish strawberry	C,T	
EUPHORBIACEAE			
<i>Antidesma dallachiana</i>		X	
JUGLANDACEAE			
<i>Juglans regia</i>	walnut	C,T	not recorded since 1959
LAURACEAE			
<i>Persea americana</i>	avocado	T	only when overripe
MORACEAE			
<i>Ficus carica</i>	edible fig	C,T	
<i>Ficus</i> sp.	Moreton Bay fig	T	
<i>Morus nigra</i>	mulberry	C	not recorded since 1952
MUSACEAE			
<i>Musa x paradisiaca</i>	plantain	C,T	importance undetermined
<i>Musa x paradisiaca</i>	banana	C,T	not recorded since 1940s
MYRTACEAE			
<i>Feijoa sellowiana</i>	feijoa	C,T	
<i>Psidium cattleianum</i>	cherry guava	T	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Psidium guajava</i>	guava	C,T	
<i>Syzygium</i> sp.	lillypilly	C,T	
OLEACEAE			
<i>Olea europaea</i>	olive	C,T	
PASSIFLORACEAE			
<i>Passiflora edulis</i>	passionfruit	C,T	oviposition records only
PUNICACEAE			
<i>Punica granatum</i>	pomegranate	C,T	damaged fruit only
ROSACEAE			
<i>Cotoneaster</i> sp.	cotoneaster	T	not recorded since 1951
<i>Cydonia oblonga</i>	quince	C,T	
<i>Eriobotrya japonica</i>	loquat	C,T	
<i>Malus sylvestris</i>	apple	C,T	
<i>Malus</i> sp.	crab apple	T	
<i>Prunus armeniaca</i>	apricot	C,T	
<i>Prunus domestica</i>	plum	C,T	
<i>Prunus persica</i>	peach	C,T	
<i>Prunus persica</i> var. <i>nucipersica</i>	nectarine	C,T	
<i>Pyrus communis</i>	pear	C,T	
<i>Rosa</i> sp.	rose hip	C,T	
<i>Rubus</i> sp.	raspberry	T	not recorded since 1959
<i>Rubus ursinus</i> var. <i>loganbaccus</i>	boysenberry	T	one record only
RUBIACEAE			
<i>Coffea arabica</i>	coffee	T	not recorded since 1958
RUTACEAE			
<i>Citrus aurantifolia</i>	sour lime	T	
<i>Citrus grandis</i>	pummelo	C,T	
<i>Citrus limon</i>	lemon	C,T	
<i>Citrus medica</i>	citron	T	
<i>Citrus paradisi</i>	grapefruit	C,T	
<i>Citrus reticulata</i>	mandarin	C,T	
<i>Citrus sinensis</i>	orange	C,T	
<i>Fortunella japonica</i>	kumquat	T	
SANTALACEAE			
<i>Santalum freyinetianum</i>		Y	
SAPOTACEAE			
<i>Casimiroa edulis</i>	white sapote	T	low level host
<i>Manilkara zapota</i>	sapodilla	C	
SOLANACEAE			
<i>Capsicum annuum</i>	capsicum	T	overripe or damaged only
<i>Cyphomandra betacea</i>	tamarillo	T	
<i>Solanum lycopersicum</i>	tomato	C,T	overripe only
<i>Solanum melongena</i>	eggplant	T	overripe or damaged only
<i>Solanum muricatum</i>	pepino	T	
VITACEAE			
<i>Vitis vinifera</i>	grape	C,T	rarely infested

## 8. *Paraceratitella compta* Hardy

DISTRIBUTION Islands of Torres Strait and Lizard I, near Cooktown, Queensland.

HOST PLANT None recorded but likely to be the buds of *Capparis* spp. (Capparaceae).

### 9. *Paraceratitella eurycephala* Hardy

DISTRIBUTION Northern half of Australia, as far south as northern New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CAPPARACEAE			
<i>Capparis canescens</i>		Q	bred from flower buds
<i>Capparis umbonata</i>		H	bred from flower buds
<i>Capparis</i> spp.		I,K,R	bred from flower buds

### 10. *Paraceratitella oblonga* Hardy

DISTRIBUTION Iron Range, Cape York Peninsula, Queensland.

HOST PLANT None recorded.

TRIBE **GASTROZONINI**

### 11. *Carpophthorella nigrifascia* (Walker)

DISTRIBUTION Northeast Queensland; known as far south as the Tully district.

HOST PLANT None recorded but likely to be the shoots of bamboo.

SUBFAMILY **DACINAE**  
TRIBE **DACINI**

### 12. *Bactrocera (Afrodacus) brunnea* (Perkins & May)

DISTRIBUTION Southeast Queensland and the Atherton Tableland in northeast Queensland.

MALE LURE None known.

HOST PLANT None recorded.

### 13. *Bactrocera (Afrodacus) jarvisi* (Tryon)

COMMON NAME Jarvis's fruit fly.

DISTRIBUTION Northern Australia from Broome, Western Australia to eastern Arnhem Land, Northern Territory and northwest Queensland, Torres Strait islands and eastern Australia from Cape York to the Sydney district, New South Wales.

MALE LURE Weakly attracted to cue lure in northern Western Australia; not attracted elsewhere (Drew 1989). Males are attracted also in large numbers to flowers of *Bulbophyllum baileyi* (Orchidaceae), *Passiflora ligurica*, *Passiflora maliformis* (Passifloraceae) and *Semecarpus australiensis* (Anacardiaceae) (May 1953, 1960).

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Anacardium occidentale</i>	cashew	P	
<i>Mangifera indica</i>	mango	G,I,P,Q	major host in some areas
<i>Semecarpus australiensis</i>	tar tree	A,P	
<i>Spondias dulcis</i> (= <i>cytherea</i> )	Jewish plum	I	
ANNONACEAE			
<i>Annona glabra</i>	pond apple	P,S	
<i>Annona muricata</i>	soursop	I,P	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>ARECACEAE</b>			
<i>Areca catechu</i>	betel nut	P	
<b>CACTACEAE</b>			
<i>Opuntia</i> sp.	prickly pear	P	
<b>CARICACEAE</b>			
<i>Carica papaya</i>	pawpaw	A,I,P	moderate host
<b>CELASTRACEAE</b>			
<i>Siphonodon pendulus</i>	emu apple	P	one record
<b>CHRYSOBALANACEAE</b>			
<i>Maranthes corymbosa</i>		G	
<b>CLUSIACEAE</b>			
<i>Calophyllum inophyllum</i>	beach calophyllum	P,S	two records
<i>Garcinia mangostana</i>	mangosteen	P	one record
<b>COMBRETACEAE</b>			
<i>Terminalia arenicola</i>	brown damson	P,S	moderate host
<i>Terminalia arostrata</i>		I	
<i>Terminalia catappa</i>	Pacific almond	A,I,I,P,R	major host
<i>Terminalia melanocarpa</i>		J	
<i>Terminalia muelleri</i>	Mueller's damson	P	
<i>Terminalia sericocarpa</i>	damson	P	one record
<i>Terminalia subacroptera</i>		P	
<b>CUCURBITACEAE</b>			
<i>Mukia maderaspatana</i>		I	
<b>EBENACEAE</b>			
<i>Diospyros blancoi</i>	mabolo	P	moderate host
<i>Diospyros kaki</i>	persimmon	B,P,Q	moderate host
<b>ELAEOCARPACEAE</b>			
<i>Muntingia calabura</i>	Panama cherry	P	one record
<b>LAURACEAE</b>			
<i>Persea americana</i>	avocado	P	
<b>LECYTHIDACEAE</b>			
<i>Barringtonia calyptрата</i>	mango pine	P	
<i>Planchonia careya</i> (= <i>Careya australis</i> )	cocky apple	A,B,G,I,P,Q	major host
<b>MALPIGHIACEAE</b>			
<i>Malpighia emarginata</i> (= <i>glabra</i> )	acerola	P	
<b>MELIACEAE</b>			
<i>Aglaiia sapindina</i>	boodyarra	J,P	confirmation required
<b>MORACEAE</b>			
<i>Artocarpus odoratissima</i>	marang	P	one specimen only
<i>Ficus carica</i>	edible fig	P	one record
<i>Ficus septica</i>	septic fig	P	one record
<i>Ficus</i> sp.		P	two records
<b>MUSACEAE</b>			
<i>Musa x paradisiaca</i> (= <i>acuminata</i> )	banana	I,J,P	not known from hard green
<b>MYRTACEAE</b>			
<i>Eugenia reinwardtiana</i>	beach cherry	P	one specimen only
<i>Eugenia uniflora</i>	Brazilian cherry	P	one specimen only
<i>Feijoa sellowiana</i>	feijoa	P,Q	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Psidium cattleianum</i> (= <i>littorale</i> )	cherry guava	E,I,P	moderate host
<i>Psidium guajava</i>	guava	A,B,G,I,P,Q,R	major host
<i>Syzygium alliligneum</i>	onionwood	P	
<i>Syzygium angophoroides</i>	swamp satinash	S	
<i>Syzygium aqueum</i>	water apple	P	
<i>Syzygium armstrongii</i>		G,I	
<i>Syzygium cormiflorum</i>	bumpy satinash	A,P	
<i>Syzygium eucalyptoides</i> ssp. <i>bleeseri</i>		I	
<i>Syzygium forte</i> ssp. <i>forte</i> (= <i>rubiginosum</i> )	white apple	G,P,S	major host
<i>Syzygium jambos</i>	wax jambu	P	
<i>Syzygium malaccense</i>	Malay apple	G,P	
<i>Syzygium rubrimolle</i>	red lady apple	J	
<i>Syzygium samarangense</i>	Java apple	P	
<i>Syzygium suborbiculare</i>	red bush apple	E,G,I,P,S	major host
<i>Syzygium tierneyanum</i>	Bamaga satinash	P	moderate host
OLEACEAE			
<i>Notalaea</i> sp.		J	
OXALIDACEAE			
<i>Averrhoa bilimbi</i>	bilimbi	I	one record
<i>Averrhoa carambola</i>	carambola	P	occasional host
PASSIFLORACEAE			
<i>Passiflora edulis</i>	passionfruit	P	
<i>Passiflora edulis</i> var. <i>flavicarpa</i>	yellow passionfruit	P	
PUNICACEAE			
<i>Punica granatum</i>	pomegranate	B,G,P	moderate host
ROSACEAE			
<i>Cydonia oblonga</i>	quince	B,P	
<i>Malus sylvestris</i>	apple	P	moderate host
<i>Prunus armeniaca</i>	apricot	B	
<i>Prunus persica</i>	peach	B,P	
<i>Pyrus communis</i>	pear	B,P	moderate host
RUBIACEAE			
<i>Coffea arabica</i>	coffee	P	two records of single flies
<i>Nauclea orientalis</i>	Leichhardt tree	P	one specimen only
RUTACEAE			
<i>Casimiroa edulis</i>	white sapote	P	one specimen only
<i>Citrus aurantifolia</i>	lime	P	
<i>Citrus grandis</i>	pummelo	P,S	
<i>Citrus limon</i>	lemon	P	occasional host
<i>Citrus paradisi</i>	grapefruit	I,P	occasional host
<i>Citrus reticulata</i>	mandarin	P,S	occasional host
<i>Citrus reticulata</i>	tangerine	P	occasional host
<i>Citrus sinensis</i>	orange	I,P	occasional host
<i>Fortunella japonica</i>	kumquat	P	
SAPINDACEAE			
<i>Litchi chinensis</i>	litchi	P	one specimen only
<i>Nephelium lappaceum</i>	rambutan	P	two records, three flies
SAPOTACEAE			
<i>Chrysophyllum cainito</i>	star apple	P	one record, two flies
<i>Manilkara zapote</i>	sapodilla	P	one specimen only

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Planchonella</i> sp.		J	
<i>Pouteria caimito</i>	abiu	P	
<i>Pouteria campechiana</i>	canistel	P	
SOLANACEAE			
<i>Capsicum annuum</i>	capsicum	P	one record only
<i>Capsicum annuum</i>	chilli	P	one record only
<i>Solanum mauritianum</i>	wild tobacco	P	one specimen only

#### 14. *Bactrocera (Apodacus) cheesmanae* (Perkins)

DISTRIBUTION One record from Yam I., Torres Strait.  
 MALE LURE Methyl eugenol.  
 HOST PLANT None recorded.

#### 15. *Bactrocera (Apodacus) visenda* (Hardy)

DISTRIBUTION Northeast Queensland, as far south as the Tully district.  
 MALE LURE Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CLUSIACEAE			
<i>Garcinia gibbsiae</i>	mountain mangosteen	E	
<i>Garcinia kajewskii</i>		A	probable misidentification of <i>G. warrenii</i>
<i>Garcinia warrenii</i>	native mangosteen	D,P	major host

#### 16. *Bactrocera (Austrodacus) cucumis* (French)

COMMON NAME Cucumber fly.  
 DISTRIBUTION Northern Territory, Torres Strait islands, eastern Queensland and northeast New South Wales.  
 MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Mangifera indica</i>	mango	P,U	three records of single flies
CARICACEAE			
<i>Carica papaya</i>	pawpaw	B,P,Q	moderate host
COMBRETACEAE			
<i>Terminalia arenicola</i>	brown damson	P	one record
<i>Terminalia muelleri</i>	Mueller's damson	P	one specimen only
CUCURBITACEAE			
<i>Citrullus lanatus</i>	watermelon	P,U	
<i>Cucumis melo</i>	rockmelon	B	
<i>Cucumis sativus</i>	cucumber	A,B,P,Q,S	major host
<i>Cucurbita moschata</i>	Japanese pumpkin	P	
<i>Cucurbita moschata</i>	pumpkin	B,P,Q	major host
<i>Cucurbita pepo</i>	yellow squash	P	
<i>Cucurbita pepo</i>	squash	B,P,Q	major host
<i>Cucurbita pepo</i>	zucchini	P,Q,S	major host

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Diplocyclos palmatus</i> (= <i>Bryonopsis laciniosa</i> ; misident.)	striped cucumber	B,P	
<i>Lagenaria siceraria</i>	bottle-gourd	E	oviposition record only
<i>Luffa acutangula</i>	angled luffa	S	
<i>Luffa cylindrica</i>	vegetable sponge	D,I	
<i>Momordica charantia</i>	bitter gourd	B,S	
<i>Sechium edule</i>	choko	B,P	
<i>Trichosanthes anguina</i> (= <i>pentaphylla</i> )	guada bean	E,P	major host
EBENACEAE			
<i>Diospyros digyna</i>	black sapote	P	one specimen only
<i>Diospyros kaki</i>	persimmon	P	one specimen only
EUPHORBIACEAE			
<i>Glochidion harveyanum</i>	Harvey's buttonwood	A	one record; doubtful host
LAURACEAE			
<i>Persea americana</i>	avocado	P	two records
MYRTACEAE			
<i>Psidium guajava</i>	guava	P	
OXALIDACEAE			
<i>Averrhoa carambola</i>	carambola	P	one specimen only
PASSIFLORACEAE			
<i>Passiflora edulis</i>	passionfruit	I,P	moderate host
<i>Passiflora edulis</i> var. <i>flavicarpa</i>	yellow passionfruit	P	moderate host
<i>Passiflora foetida</i>	stinking passionfruit	P	one record
<i>Passiflora suberosa</i>	corky passionfruit	P	one specimen only
ROSACEAE			
<i>Prunus armeniaca</i>	apricot	P	one specimen only
RUBIACEAE			
<i>Canthium coprosmoides</i>	coast canthium	P	one record
RUTACEAE			
<i>Casimiroa edulis</i>	white sapote	P	one specimen only
<i>Citrus limon</i>	lemon	P	one record
<i>Citrus paradisi</i>	grapefruit	P	one record
<i>Citrus reticulata</i>	mandarin	P	one record
<i>Citrus sinensis</i>	orange	P	one record
<i>Fortunella japonica</i>	kumquat	P	one specimen only
SOLANACEAE			
<i>Capsicum annuum</i>	capsicum	P,Q	
<i>Capsicum annuum</i>	chilli	P	
<i>Solanum lycopersicum</i>	tomato	B,P,Q	major host
<i>Solanum lycopersicum</i>	cherry tomato	P	
<i>Solanum melongena</i>	eggplant	P	
VITACEAE			
<i>Cissus sterculiifolia</i>	yaroong	U	one specimen only

### 17. *Bactrocera (Bactrocera) abscondita* (Drew & Hancock)

DISTRIBUTION	Torres Strait islands and Cape York Peninsula south to Iron Range, Queensland.
MALE LURE	Cue lure.
HOST PLANT	None recorded.

### 18. *Bactrocera (Bactrocera) aeruginosa* (Drew & Hancock)

DISTRIBUTION Torres Strait islands and Cape York to Townsville, northeast Queensland.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MENISPERMACEAE			
<i>Pycnarrhena novoguineensis</i>		P	

### 19. *Bactrocera (Bactrocera) allwoodi* (Drew)

DISTRIBUTION Coastal areas of Northern Territory.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

### 20. *Bactrocera (Bactrocera) alyxiae* (May)

DISTRIBUTION Torres Strait islands and northeast Queensland, as far south as Ayr.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
APOCYNACEAE			
<i>Alyxia spicata</i>	chain-fruit	B,P	

### 21. *Bactrocera (Bactrocera) amplexiseta* (May)

DISTRIBUTION Northeast Queensland, from Auravale (south of Cooktown) to the Ingham district.  
MALE LURE Methyl eugenol.  
HOST PLANT None recorded.

### 22. *Bactrocera (Bactrocera) anfracta* Drew

DISTRIBUTION Occasional records from northern Torres Strait islands.  
MALE LURE Cue lure.  
HOST PLANT None recorded.  
NOTE Records of *B. redunca* (Drew) from Torres Strait islands (Drew 1989) appear to belong here.

### 23. *Bactrocera (Bactrocera) antigone* (Drew & Hancock)

DISTRIBUTION Cape York to Iron Range, Cape York Peninsula, Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

### 24. *Bactrocera (Bactrocera) aquilonis* (May)

COMMON NAME Northern Territory fruit fly.  
DISTRIBUTION Northern areas of Western Australia and the Northern Territory.  
MALE LURE Cue lure.  
NOTE In the Northern Territory this species dramatically increased its host range after 1984. Hybridisation with *B. tryoni* was strongly suspected and would explain this increase (Smith *et al.* 1988). By 1997, most but not all commercial production areas and larger towns supported populations of this fly, which attacks a wide range of cultivated hosts. For the purposes of this document, all Northern Territory host records for *B. aquilonis* since March 1985 are attributed to the suspected hybrid *B. aquilonis* x *B. tryoni* and are recorded under *B. tryoni*.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANNONACEAE			
<i>Polyalthia australis</i>		I	
ARECACEAE			
<i>Livingstonia humilis</i>	sand palm	G,I	
CHRYSOBALANACEAE			
<i>Maranthes corymbosa</i>		G,I	
COMBRETACEAE			
<i>Terminalia arenicola</i>	brown damson	S	
<i>Terminalia erythrocarpa</i>		G,I	
<i>Terminalia ferdinandiana</i>	billy-goat plum	G,I	
<i>Terminalia grandiflora</i>		G	
<i>Terminalia platyphylla</i>		I	
CUCURBITACEAE			
<i>Momordica charantia</i>	bitter gourd	S	
EBENACEAE			
<i>Diospyros maritima</i>		I	
ELAEOCARPACEAE			
<i>Elaeocarpus angustifolius</i> (= <i>grandis</i> )	blue quandong	I	
EUPHORBIACEAE			
<i>Petalostigma pubescens</i>		I	
LAURACEAE			
<i>Cryptocarya cunninghamii</i>		I	
MELIACEAE			
<i>Aglaia eleagnoidea</i>		J	confirmation required
<i>Aglaia rufa</i>		I	
MYRTACEAE			
<i>Acmena hemilampra</i>	broad-leaved lillypilly	G	
<i>Acmeosperma claviflorum</i>		G	
<i>Cleistocalyx operculatus</i>		G	
<i>Psidium guajava</i>	guava	G,I	
<i>Syzygium angophoroides</i>	swamp satinash	I	
<i>Syzygium armstrongii</i>		I	
<i>Syzygium fibrosum</i>	fibrous satinash	I	
<i>Syzygium forte</i>	white apple	I	
<i>Syzygium operculatum</i>		I	
<i>Syzygium suborbiculare</i>	wild apple	G,I	
ROSACEAE			
<i>Prunus persica</i>	peach	G	one record
RUBIACEAE			
<i>Ixora klanderiana</i>		I	
RUTACEAE			
<i>Citrus paradisi</i>	grapefruit	G	one record
<i>Citrus</i> sp.		G,I	
<i>Glycosmis pentaphylla</i>		G,I	
<i>Glycosmis trifoliata</i>		G,I	
<i>Micromelum minutum</i>	lime berry	G,I	
SAPOTACEAE			
<i>Pouteria sericea</i>		G	one record

## 25. *Bactrocera (Bactrocera) aurantiaca* (Drew & Hancock)

DISTRIBUTION	Torres Strait islands and the Bamaga district, Cape York, Queensland.
MALE LURE	Cue lure.
HOST PLANT	None recorded.

## 26. *Bactrocera (Bactrocera) bancroftii* (Tryon)

DISTRIBUTION	Torres Strait islands and coastal areas of Queensland.
MALE LURE	Weakly attracted to methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MORACEAE			
<i>Maclura cochinchinensis</i> (= <i>javanensis</i> )	Indian cockspur	B,P	major host
<i>Morus nigra</i>	mulberry	P	

## 27 *Bactrocera (Bactrocera) barringtoniae* (Tryon)

DISTRIBUTION	Northeast Queensland; known from Cairns to Ayr.
MALE LURE	None known. Previous records from cue lure and methyl eugenol are errors.
NOTE	Previous records from Torres Strait refer to <i>B. parabarringtoniae</i> .

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CLUSIACEAE			
<i>Garcinia warrenii</i>	native mangosteen	J	one record; probable error
LECYTHIDACEAE			
<i>Barringtonia calyptrata</i>	mango pine	A,B,J,O,P	major host

## 28. *Bactrocera (Bactrocera) batemani* Drew

DISTRIBUTION	Eastern Queensland, from Mackay to Brisbane.
MALE LURE	Methyl eugenol.
HOST PLANT	None recorded.

## 29. *Bactrocera (Bactrocera) bidentata* (May)

DISTRIBUTION	Known from the Cairns and Rockhampton districts, Queensland.
MALE LURE	None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
RHIZOPHORACEAE			
<i>Carallia brachiata</i>		P	

## 30. *Bactrocera (Bactrocera) breviaculeus* (Hardy)

DISTRIBUTION	Torres Strait islands and eastern Queensland, from Cape York to Rockhampton.
MALE LURE	Cue lure. Males attracted also in large numbers to flowers of <i>Dendrobium superbiens</i> (Orchidaceae) (May 1960).

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
EUPHORBIACEAE			
<i>Glochidion ferdinandii</i>		D	
<i>Glochidion harveyanum</i>	Harvey's buttonwood	A,P	

### 31. *Bactrocera (Bactrocera) bryoniae* (Tryon)

DISTRIBUTION Northern Western Australia, Northern Territory, Torres Strait islands and eastern Australia as far south as Sydney, New South Wales.

MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>CUCURBITACEAE</b>			
<i>Diplocyclos palmatus</i> (= <i>Bryonopsis laciniosa</i> ; misident.)	striped cucumber	A,B,I,P	major host
<i>Mukia maderaspatana</i>		B	
<i>Zehneria cunninghamii</i>		B	
<b>LOGANIACEAE</b>			
<i>Strychnos lucida</i>	strychnine berry	G,I	
<b>MUSACEAE</b>			
<i>Musa x paradisiaca</i>	banana	P	past commercial stage (P), also in bananas in PNG (J)
<b>PASSIFLORACEAE</b>			
<i>Passiflora foetida</i>	stinking passionfruit	B,P	
<i>Passiflora suberosa</i>	corky passionfruit	B,I,P	major host
<b>SOLANACEAE</b>			
<i>Capsicum annuum</i>	capsicum	J	probable error (I)
<i>Capsicum annuum</i>	chilli	P	
<i>Solanum lycopersicum</i>	tomato	P	

### 32. *Bactrocera (Bactrocera) cacuminata* (Hering)

DISTRIBUTION Eastern Australia, from Cape York, Queensland to the East Gippsland district, Victoria.

MALE LURE Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>ELAEOCARPACEAE</b>			
<i>Elaeocarpus</i> sp.		J	one record; probable error
<b>MELIACEAE</b>			
<i>Dysoxylum</i> sp.		J	one record; probable error
<b>MYRISTICACEAE</b>			
<i>Myristica insipida</i>	Australian nutmeg	P	one record, probable error
<b>SAPOTACEAE</b>			
<i>Pouteria castanosperma</i>	yellow plum	P	one record, probable error
<b>SMILACACEAE</b>			
<i>Ripogonum papuanum</i>		A	one specimen; probable error
<b>SOLANACEAE</b>			
<i>Capsicum annuum</i>	capsicum	B	confirmation required
<i>Capsicum annuum</i>	chilli	B	confirmation required
<i>Solanum lycopersicum</i>	tomato	B	one old record
<i>Solanum mauritianum</i> (= <i>auriculatum</i> ; misident.) (= <i>erianthum</i> ; misident.) (= <i>verbascifolium</i> ; misident.)	wild tobacco	A,B,P,Q	major host

### 33. *Bactrocera (Bactrocera) decurtans* (May)

DISTRIBUTION	Northern Western Australia, Northern Territory, Torres Strait islands and Cape York Peninsula, Queensland.
MALE LURE	Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
RHIZOPHORACEAE			
<i>Carallia brachiata</i>		G,I,S	

### 34. *Bactrocera (Bactrocera) diospyri* Drew

DISTRIBUTION	Coastal Northern Territory, Torres Strait islands and Green I., near Cairns, Queensland.
MALE LURE	Weakly attracted to methyl eugenol on Green I.; elsewhere not recorded at lures.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
EBENACEAE			
<i>Diospyros maritima</i>		G,I,J,O,R	major host

### 35. *Bactrocera (Bactrocera) endiandrae* (Perkins & May)

DISTRIBUTION	Torres Strait islands and eastern Australia, south to northeast New South Wales.
MALE LURE	Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANNONACEAE			
<i>Cananga odorata</i>	perfume tree	B,P	
CHRYSOBALANACEAE			
<i>Maranthes corymbosa</i>		J	confirmation required
COMBRETACEAE			
<i>Terminalia catappa</i>	Pacific almond	P	one record; doubtful host
HIPPOCRATEACEAE			
<i>Salacia chinensis</i>	lolly berry	P	one record; doubtful host
LAURACEAE			
<i>Beilschmiedia collina</i>	mountain bush walnut	P	
<i>Beilschmiedia obtusifolia</i>	blush walnut	A	
<i>Beilschmiedia oligandra</i>	ivory walnut	U	
<i>Beilschmiedia tooram</i>	Tooram walnut	A,P	
<i>Cryptocarya erythroxylon</i>	southern maple	B	
<i>Cryptocarya oblata</i>	Tarzali silkwood	U	
<i>Cryptocarya rhodosperma</i>		P	
<i>Endiandra cowleyana</i>	northern rose walnut	D	
<i>Endiandra dielsiana</i>	candle walnut	P	
<i>Endiandra discolor</i>	rose walnut	B	
<i>Endiandra glauca</i>	coach walnut	P	
<i>Endiandra hypotephra</i>	northern rose walnut	P	
<i>Endiandra longipedicellata</i>	buff walnut	P	
<i>Endiandra microneura</i>	Noah's walnut	P	
<i>Endiandra muelleri</i>		J	
<i>Endiandra sankeyana</i>	Sankey's walnut	P,U	
<i>Endiandra wolfei</i>		P	
<i>Litsea leefeana</i>	bollywood	A	
MYRTACEAE			
<i>Syzygium jambos</i>	wax jambu	P	one specimen only

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>SAPINDACEAE</b>			
<i>Ganophyllum falcatum</i>	Daintree hickory	P	one record; probable error

### 36. *Bactrocera (Bactrocera) erubescens* (Drew & Hancock)

DISTRIBUTION	Torres Strait islands and Cape York Peninsula, as far south as Iron Range, Queensland.
MALE LURE	Cue lure.
HOST PLANT	None recorded.

### 37. *Bactrocera (Bactrocera) fagraea* (Tryon)

DISTRIBUTION	Northeast Queensland, as far south as Ayr.
MALE LURE	Cue lure; attraction appears to be weak.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>LOGANIACEAE</b>			
<i>Fagraea cambagei</i> (= <i>gracilipes</i> )	porcelain fruit	A,B,P	major host
<i>Fagraea fagraeacea</i>	yellowheart	P	
<i>Fagraea muelleri</i>		B	major host
<b>MYRTACEAE</b>			
<i>Syzygium</i> sp. near <i>suborbiculare</i>		A	one record; probable host misidentification
<i>Syzygium</i> sp.		P	one record; probable host misidentification

### 38. *Bactrocera (Bactrocera) frauenfeldi* (Schiner)

COMMON NAME	Mango fruit fly.
DISTRIBUTION	Torres Strait islands and northeast Queensland as far south as Townsville.
MALE LURE	Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>ANACARDIACEAE</b>			
<i>Anacardium occidentale</i>	cashew	P	one record
<i>Mangifera indica</i>	mango	J,P,R	major host
<b>ANNONACEAE</b>			
<i>Annona glabra</i>	pond apple	P	one record
<b>CARICACEAE</b>			
<i>Carica papaya</i>	pawpaw	P,R	
<b>CLUSIACEAE</b>			
<i>Calophyllum inophyllum</i>	beach calophyllum	P	one specimen only
<b>COMBRETACEAE</b>			
<i>Terminalia arenicola</i>	brown damson	P,R	major host
<i>Terminalia catappa</i>	Pacific almond	J,P,R	major host
<i>Terminalia muelleri</i>	Mueller's damson	P,R	
<i>Terminalia sericocarpa</i>	damson	P	one record
<b>EBENACEAE</b>			
<i>Diospyros blancoi</i>	mabolo	P	
<i>Diospyros kaki</i>	persimmon	P	one specimen only
<b>EUPHORBIACEAE</b>			
<i>Aleurites moluccana</i>	candlenut	P	one specimen only

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>LECYTHIDACEAE</b>			
<i>Barringtonia racemosa</i>	muer	R	
<i>Planchonia careya</i>	cocky apple	R	
<b>LOGANIACEAE</b>			
<i>Fagraea catabasei</i>	porcelain fruit	P	
<b>MALPIGHIACEAE</b>			
<i>Malpighia emarginata</i> (= <i>glabra</i> )	acerola	P	one record
<b>MELIACEAE</b>			
<i>Sandoricum indicum</i>	santol	P	
<b>MORACEAE</b>			
<i>Ficus carica</i>	edible fig	P	one specimen only
<i>Ficus leptoclada</i>	Atherton fig	P	one specimen only
<b>MUSACEAE</b>			
<i>Musa x paradisiaca</i>	banana	P,R	not known from hard green
<i>Musa x paradisiaca</i>	sugar banana	P	one record
<b>MYRTACEAE</b>			
<i>Eugenia reinwardtiana</i>	beach cherry	P	one specimen only
<i>Psidium cattleianum</i>	cherry guava	P	
<i>Psidium guajava</i>	guava	J,P,R	
<i>Syzygium aqueum</i>	water apple	P	
<i>Syzygium branderhorstii</i>		J	
<i>Syzygium forte</i> ssp. <i>forte</i>	white apple	P	
<i>Syzygium jambos</i>	wax jambu	P	
<i>Syzygium samarangense</i>	Java apple	P	
<i>Syzygium suborbiculare</i>	red bush apple	R	
<i>Syzygium tierneyanum</i>	river cherry	P	
<b>OLACACEAE</b>			
<i>Ximenia americana</i>	putit	R	
<b>OXALIDACEAE</b>			
<i>Averrhoa carambola</i>	carambola	P,R	
<b>PASSIFLORACEAE</b>			
<i>Passiflora edulis</i> var. <i>flavicarpa</i>	yellow passionfruit	P	
<b>RUBIACEAE</b>			
<i>Geutarda speciosa</i>		R	
<i>Nauclea orientalis</i>	Leichhardt tree	P	two records, one fly each
<b>RUTACEAE</b>			
<i>Casimiroa edulis</i>	white sapote	P	
<i>Citrus limetta</i>	sweet lemon	P	one record
<i>Citrus limon</i>	lemon	P	
<i>Citrus paradisi</i>	grapefruit	P,R	
<i>Citrus reticulata</i>	mandarin	P	
<i>Citrus sinensis</i>	orange	P,R	
<i>Fortunella japonica</i>	kumquat	P	
<b>SAPOTACEAE</b>			
<i>Chrysophyllum cainito</i>	star apple	P	
<i>Manilkara kauki</i>	wongai	J,R	
<i>Manilkara zapota</i>	sapodilla	P	one record
<i>Niemeyera prunifera</i>	plum boxwood	P	one specimen only
<i>Pouteria caimito</i>	abiu	P	
<i>Pouteria sapota</i>	mammey sapote	P	one record
<b>SOLANACEAE</b>			
<i>Capsicum annuum</i>	chilli	P	

### 39. *Bactrocera (Bactrocera) fuliginus* (Drew & Hancock)

DISTRIBUTION	Torres Strait islands and Bamaga district, Cape York, Queensland.
MALE LURE	Cue lure.
HOST PLANT	None recorded.

### 40. *Bactrocera (Bactrocera) halfordiae* (Tryon)

COMMON NAME	Halfordia fruit fly.
DISTRIBUTION	Rockhampton, central Queensland to the Sydney district, New South Wales.
MALE LURE	None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANNONACEAE			
<i>Rauwenhoffia leichhardtii</i>	acid drop vine	B	major host
CUNONIACEAE			
<i>Schizomeria ovata</i>	white birch	J	confirmation required
MORACEAE			
<i>Ficus racemosa</i> (= <i>glomerata</i> )	cluster fig	B	
MYRTACEAE			
<i>Eugenia uniflora</i>	Brazilian cherry	B	
<i>Feijoa sellowiana</i>	feijoa	B	
<i>Syzygium corynanthum</i>	sour cherry	B	
<i>Syzygium crebrinerve</i>	water gum	D	
ROSACEAE			
<i>Eriobotrya japonica</i>	loquat	B	
RUTACEAE			
<i>Acronychia laevis</i>		B	major host
<i>Acronychia pubescens</i>		D	
<i>Citrus paradisi</i>	grapefruit	B	
<i>Citrus reticulata</i>	mandarin	B	
<i>Citrus sinensis</i>	orange	B	
<i>Fortunella japonica</i>	kumquat	B	
<i>Halfordia kendak</i>	kerosenewood	B	
SAPOTACEAE			
<i>Niemeyera chartacea</i>		B	
<i>Planchonella australis</i>	black apple	B	major host
SMILACACEAE			
<i>Smilax australis</i>		D	one specimen only
THYMELIACEAE			
<i>Phaleria chermsideana</i>		D	

### 41. *Bactrocera (Bactrocera) hispidula* (May)

DISTRIBUTION	Northeast Queensland; known from the Atherton and Ayr districts.
MALE LURE	None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
SMILACACEAE			
<i>Geitonoplesium cymosum</i>		P	one record

#### 42. *Bactrocera (Bactrocera) humilis* (Drew & Hancock)

DISTRIBUTION Cape York Peninsula, Queensland, as far south as Edward and Daintree Rivers.  
 MALE LURE Single males recorded at both methyl eugenol and cue lure; probably accidental.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
LOGANIACEAE			
<i>Fagraea cambagei</i>	porcelain fruit	P	one specimen only

#### 43. *Bactrocera (Bactrocera) kraussi* (Hardy)

COMMON NAME Krauss's fruit fly.  
 DISTRIBUTION Torres Strait islands and northeast Queensland, as far south as Townsville.  
 MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
AGAVACEAE			
<i>Cordyline cannifolia</i>	palm-lily	P	one record
ANACARDIACEAE			
<i>Anacardium occidentale</i>	cashew	P	one record
<i>Mangifera indica</i>	mango	P	
<i>Semecarpus australiensis</i>	tar tree	P	
ANNONACEAE			
<i>Annona glabra</i>	pond apple	P	
<i>Cananga odorata</i>	perfume tree	B	
APOCYNACEAE			
<i>Thevetia peruviana</i>	yellow oleander	A	confirmation required
CLUSIACEAE			
<i>Garcinia warrenii</i>	native mangosteen	P	one record
COMBRETACEAE			
<i>Terminalia arenicola</i>	brown damson	P	
<i>Terminalia catappa</i>	Pacific almond	P	
<i>Terminalia muelleri</i>	Mueller's damson	P	
<i>Terminalia sericocarpa</i>	damson	P	
CUNONIACEAE			
<i>Schizomeria whitei</i>	northern white birch	A,P	
DAVIDSONIACEAE			
<i>Davidsonia pruriens</i>	Davidson's plum	P	one record
ELAEOCARPACEAE			
<i>Elaeocarpus angustifolius</i>	blue quandong	P	one record
<i>Muntingia calabura</i>	Panama cherry	P	one record
EUPHORBIACEAE			
<i>Fontainea picrosperma</i>	Fontain's blushwood	E	
<i>Glochidion harveyanum</i>	Harvey's buttonwood	P	one record
<i>Glochidion sessiliflorum</i> var. <i>pedicellatum</i>		P	one specimen only
FLACOURTIACEAE			
<i>Baileyoxylon lanceolatum</i>	baileyoxylon	E	
ICACINACEAE			
<i>Gomphandra australiana</i>	buff beach	P	
<i>Irvingbaileya australis</i>	wax berry	B,P	
LAURACEAE			
<i>Endiandra compressa</i>	Queensland greenheart	A	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Endiandra discolor</i>	rose walnut	B	
<i>Endiandra longipedicellata</i>	buff walnut	P	
<i>Endiandra palmerstonii</i>	black walnut	B	
LECYTHIDACEAE			
<i>Barringtonia calyptrata</i>	mango pine	P	
<i>Planchonia careya</i>	cocky apple	P	one record
LOGANIACEAE			
<i>Strychnos minor</i>	snakewood	P	one specimen only
MALPIGHIACEAE			
<i>Malpighia emarginata</i> (= <i>glabra</i> )	acerola	P	
MELIACEAE			
<i>Aglaia sapindina</i>	boodyarra	P	one record
<i>Sandoricum indicum</i>	santol	P	one specimen only
MENISPERMACEAE			
<i>Hypserpa laurina</i>		P	
MORACEAE			
<i>Ficus hispida</i>	hairy fig	P	one record
<i>Ficus racemosa</i>	cluster fig	P	one record
<i>Ficus septica</i>	septic fig	P	one record
MUSACEAE			
<i>Musa x paradisiaca</i>	banana	P	not known from hard green
MYRTACEAE			
<i>Acmena graveolens</i> (= <i>macrocarpa</i> )	cassowary pine	A,B,P	major host
<i>Acmena hemilampra</i> ssp. <i>hemilampra</i>	broad-leaved lillypilly	P	
<i>Acmena resa</i>		P	
<i>Acmenospermum claviflorum</i>		P	
<i>Archirhodomyrtus beckleri</i>	pink myrtle	P	
<i>Eugenia brasiliensis</i>	grumichama	P	
<i>Eugenia reinwardtiana</i>	beach cherry	P	
<i>Eugenia uniflora</i>	Brazilian cherry	P	
<i>Feijoa sellowiana</i>	feijoa	P	one record
<i>Psidium cattleianum</i>	cherry guava	P	
<i>Psidium guajava</i>	guava	A,E,P	major host
<i>Rhodamnia sessiliflora</i>	iron malletwood	P	one record
<i>Rhodomyrtus macrocarpa</i>	finger cherry	A	
<i>Syzygium alliligneum</i>	onionwood	P	
<i>Syzygium angophoroides</i>	swamp satinash	P	
<i>Syzygium aqueum</i>	water apple	P	
<i>Syzygium australe</i>	creek satinash	B,P	
<i>Syzygium branderhorstii</i>		A	
<i>Syzygium cormiflorum</i>	bumpy satinash	A,P	
<i>Syzygium erythrocalyx</i>	Johnstone R. satinash	U	
<i>Syzygium fibrosum</i>	fibrous satinash	P	
<i>Syzygium forte</i> ssp. <i>forte</i>	white apple	P	
<i>Syzygium jambos</i>	wax jambu	P	
<i>Syzygium luehmannii</i>	cherry satinash	A	
<i>Syzygium malaccense</i>	Malay apple	P	
<i>Syzygium megacarpa</i>		P	
<i>Syzygium papyraceum</i>	paperbark satinash	P	
<i>Syzygium puberulum</i>		P	
<i>Syzygium rubrimolle</i>	red lady apple	J	
<i>Syzygium samarangense</i>	Java apple	P	
<i>Syzygium suborbiculare</i>	red bush apple	A,E,P	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Syzygium tierneyanum</i>	river cherry	A,P	
<i>Syzygium wesa</i>	white Eungella satinash	P,U	
<i>Syzygium xerampelinum</i>	Mulgrave satinash	P	
OLEACEAE			
<i>Notalaea</i> sp.		J	
OXALIDACEAE			
<i>Averrhoa carambola</i>	carambola	P	
PASSIFLORACEAE			
<i>Passiflora edulis</i>	passionfruit	P	one record
<i>Passiflora suberosa</i>	corky passionfruit	P	
ROSACEAE			
<i>Malus sylvestris</i>	apple	P	one specimen only
<i>Prunus persica</i>	peach	P	
<i>Prunus turneriana</i>	almond bark	P	
RUBIACEAE			
<i>Coffea arabica</i>	coffee	P	one record
<i>Nauclea orientalis</i>	Leichhardt tree	P	
RUTACEAE			
<i>Acronychia acidula</i>	lemon aspen	B,P	
<i>Acronychia crassipetala</i>	crater aspen	P	
<i>Acronychia vestita</i>	fuzzy lemon aspen	E,P	
<i>Acronychia</i> sp. aff. <i>laevis</i>		E	
<i>Citrus aurantifolia</i>	lime	P	
<i>Citrus aurantium</i>	Seville orange	P	
<i>Citrus jambhiri</i>	bush lemon	P	
<i>Citrus limon</i>	lemon	P	
<i>Citrus paradisi</i>	grapefruit	P	
<i>Citrus reticulata</i>	mandarin	P	
<i>Citrus sinensis</i>	orange	P	
<i>Fortunella japonica</i>	kumquat	P	
<i>Halfordia scleroxyla</i>	northern saffron heart	D	
SAPINDACEAE			
<i>Arytera</i> sp.		A	
<i>Castanospora alphanthii</i>	brown tamarind	A,P	
<i>Diploglottis harpullioides</i>	tamarind	P	
SAPOTACEAE			
<i>Chrysophyllum cainito</i>	star apple	P	one specimen only
<i>Mimusops elengi</i>	red coonoo	P	one specimen only
<i>Niemeyera prunifera</i>	plum boxwood	P	major host
<i>Planchonella macrocarpa</i>	big-leaved planchonella	P	
<i>Planchonella obovoidea</i>	black ash	P	2 records of single flies
SOLANACEAE			
<i>Capsicum annuum</i>	chilli	P	two records
<i>Solanum lycopersicum</i>	tomato	P	one record
<i>Solanum mauritianum</i>	wild tobacco	P	one specimen only
<i>Solanum seaforthianum</i>	Brazilian nightshade	P	one specimen only
THYMELIACEAE			
<i>Phaleria clerodendron</i>	scented daphne	B,P	

#### 44. *Bactrocera (Bactrocera) laticaudus* (Hardy)

DISTRIBUTION Northeast Queensland, as far south as the Townsville district.

MALE LURE Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
COMBRETACEAE			
<i>Terminalia muelleri</i>	Mueller's damson	B	confirmation required
EUPHORBIACEAE			
<i>Glochidion ferdinandii</i>		B	confirmation required
MYRTACEAE			
<i>Acmena graveolens</i>	cassowary satinash	U	confirmation required
SAPOTACEAE			
<i>Planchonella obovoidea</i>	black ash	P	major host
<i>Planchonella</i> sp.		A	
<i>Pouteria obovata</i>		B	

#### 45. *Bactrocera (Bactrocera) manskii* (Perkins & May)

DISTRIBUTION Torres Strait islands and northeast Queensland, as far south as Tully.

MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
COMBRETACEAE			
<i>Terminalia catappa</i>	Pacific almond	P	three records, single fly each
EBENACEAE			
<i>Diospyros</i> sp.		J	confirmation required
LOGANIACEAE			
<i>Strychnos colubrina</i> (= <i>bancroftiana</i> )		B	possible misidentification of <i>S. minor</i>
<i>Strychnos minor</i>	snakewood	P	major host
<i>Strychnos</i> sp.		A	
SAPOTACEAE			
<i>Pouteria pohlmaniana</i> var. <i>pohlmaniana</i>	yellow boxwood	P	one specimen only

#### 46. *Bactrocera (Bactrocera) mayi* (Hardy)

DISTRIBUTION Torres Strait islands and eastern Queensland.

MALE LURE Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
COMBRETACEAE			
<i>Terminalia catappa</i>	Pacific almond	P	three records, six flies
<i>Terminalia muelleri</i>	Mueller's damson	B	confirmation required
ROSACEAE			
<i>Prunus armeniaca</i>	apricot	B	occasional records only; possible fly misidentification
SAPINDACEAE			
<i>Ganophyllum falcatum</i>	Daintree hickory	P	one record; probable error
SAPOTACEAE			
<i>Planchonella australis</i>	black apple	B	
<i>Planchonella obovoidea</i>	black ash	P	major host

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Pouteria obovata</i>		A,B	
<i>Pouteria pohlmaniana</i> var. <i>pohlmaniana</i>	yellow boxwood	B,P	

#### 47. *Bactrocera (Bactrocera) melas* (Perkins & May)

DISTRIBUTION	Eastern Queensland, particularly the southeast.
MALE LURE	Cue lure.
NOTE	The status of this species has been questioned and it may be a dark form of <i>B. tryoni</i> or a hybrid between <i>B. tryoni</i> and <i>B. neohumeralis</i> . The hosts listed below should be regarded cautiously; some or all may better be referred to <i>B. tryoni</i> .

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ARECACEAE			
<i>Phoenix dactylifera</i>	date palm	D	
MORACEAE			
<i>Ficus carica</i>	edible fig	B	
MYRTACEAE			
<i>Psidium guajava</i>	guava	B	
PASSIFLORACEAE			
<i>Passiflora subpeltata</i> (= <i>alba</i> )	white passionfruit	B	
ROSACEAE			
<i>Eriobotrya japonica</i>	loquat	B	
<i>Malus sylvestris</i>	apple	B	
<i>Prunus domestica</i>	plum	B	
<i>Prunus persica</i>	peach	B	
<i>Pyrus communis</i>	pear	B	
RUTACEAE			
<i>Citrus paradisi</i>	grapefruit	B	
<i>Citrus sinensis</i>	orange	D	
<i>Fortunella japonica</i>	kumquat	B	

#### 48. *Bactrocera (Bactrocera) mendosa* (May)

DISTRIBUTION	Known from Mataranka, Northern Territory and Atherton, Queensland.
MALE LURE	None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
SAPOTACEAE			
<i>Pouteria sericea</i>		G,I	

#### 49. *Bactrocera (Bactrocera) moluccensis* (Perkins)

DISTRIBUTION	Occasional records from northern Torres Strait islands.
MALE LURE	Cue lure.
HOST PLANT	None recorded from Australia but elsewhere breeds in <i>Inocarpus fagifer</i> (Fabaceae) (Drew 1989).

### 50. *Bactrocera (Bactrocera) murrayi* (Perkins)

DISTRIBUTION Torres Strait islands and northeast Queensland, south to Innisfail.  
 MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>ANACARDIACEAE</b>			
<i>Mangifera indica</i>	mango	P	one specimen only
<i>Semecarpus australiensis</i>	tar tree	A,B,P,R	major host
<b>COMBRETACEAE</b>			
<i>Terminalia catappa</i>	Pacific almond	P	one specimen only
<b>MORACEAE</b>			
<i>Ficus</i> sp.		J	one record; probable error
<b>MYRTACEAE</b>			
<i>Eugenia uniflora</i>	Brazilian cherry	P	one specimen only
<i>Syzygium samarangense</i>	Java apple	P	one record; probable error
<b>RUBIACEAE</b>			
<i>Nauclea orientalis</i>	Leichhardt tree	P	one specimen only
<b>SOLANACEAE</b>			
<i>Solanum mauritianum</i>	wild tobacco	P	one record; probable error

### 51. *Bactrocera (Bactrocera) musae* (Tryon)

COMMON NAME Banana fruit fly.  
 DISTRIBUTION Torres Strait islands and northeast Queensland, as far south as Townsville.  
 MALE LURE Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>CAPPARACEAE</b>			
<i>Capparis lucida</i>	coast caper	A	one specimen only
<b>CARICACEAE</b>			
<i>Carica papaya</i>	pawpaw	A,P	occasional host
<b>MUSACEAE</b>			
<i>Musa banksii</i>	native banana	A,B,P	major host
<i>Musa</i> × <i>paradisiaca</i> (= <i>acuminata</i> )	banana	A,P	not known from hard green
<i>Musa</i> × <i>paradisiaca</i>	dwarf banana	B,P	
<i>Musa</i> × <i>paradisiaca</i>	lady finger banana	P	
<i>Musa</i> × <i>paradisiaca</i>	sugar banana	P	
<i>Musa</i> × <i>paradisiaca</i>	plantain	B,P	
<b>MYRTACEAE</b>			
<i>Psidium guajava</i>	guava	A,E,P	occasional host
<i>Syzygium bamagense</i>		J	
<b>OLACACEAE</b>			
<i>Ximenia americana</i>	putit	R	
<b>PASSIFLORACEAE</b>			
<i>Passiflora edulis</i>	passionfruit	P	two records
<b>RUBIACEAE</b>			
<i>Lasianthus strigosus</i>	blue rubi	P	one specimen only
<b>RUTACEAE</b>			
<i>Citrus paradisi</i>	grapefruit	P	one specimen only
<i>Citrus reticulata</i>	mandarin	P	one record from ripe fruit
<b>SOLANACEAE</b>			
<i>Solanum lycopersicum</i>	tomato	P	one record from ripe fruit

### 52. *Bactrocera (Bactrocera) mutabilis* (May)

DISTRIBUTION Eastern Queensland, south from the Atherton Tableland.

MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MYRTACEAE			
<i>Psidium guajava</i>	guava	P	one specimen only
RUTACEAE			
<i>Fortunella japonica</i>	kumquat	B	one specimen only

### 53. *Bactrocera (Bactrocera) neohumeralis* (Hardy)

COMMON NAME Lesser Queensland fruit fly.

DISTRIBUTION Torres Strait islands and eastern Australia, south to Coff's Harbour, northern New South Wales. Also recorded at inland localities of Emerald and Clermont in Queensland (Osborne *et al.* 1997).

MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Anacardium occidentale</i>	cashew	P	
<i>Bouea macrophylla</i>	peach mango	P	one specimen only
<i>Mangifera indica</i>	mango	A,B,P	
<i>Pleiogynium timorense</i>	Burdekin plum	P	one specimen only
<i>Semecarpus australiensis</i>	tar tree	P	one specimen only
<i>Spondias dulcis</i> (= <i>cytherea</i> )	Jewish plum	B,P	
<i>Spondias mombin</i>	hog plum	P,Q	
ANNONACEAE			
<i>Annona atemoya</i>	atemoya	P	
<i>Annona glabra</i>	pond apple	P	
<i>Annona muricata</i>	soursop	P	
<i>Annona reticulata</i>	bullock's heart	P	
<i>Annona squamosa</i>	custard apple	D,E	
<i>Cananga odorata</i>	perfume tree	D,P	
<i>Miliusa horsfieldi</i>		P	
<i>Rauwenhoffia leichhardtii</i>	acid drop vine	P	
<i>Rollinia deliciosa</i>	rollinia	P	
APOCYNACEAE			
<i>Alyxia ruscifolia</i>		P	one record
ARECACEAE			
<i>Normanbya normanbyi</i>	black palm	P	one specimen only
<i>Phoenix dactylifera</i>	date palm	D	
BASELLACEAE			
<i>Basella</i> sp.	Burnie's spinach	P	one record
CACTACEAE			
<i>Opuntia</i> sp.	prickly pear	P	one record
CAPPARACEAE			
<i>Capparis lucida</i>	coast caper	A,R	
<i>Crateva religiosa</i>		U	
CARICACEAE			
<i>Carica papaya</i>	pawpaw	P	
CELASTRACEAE			
<i>Cassine australis</i>	red olive plum	D	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>CHRYSOBALANACEAE</b>			
<i>Chrysobalanus icaco</i>	coco plum	P	one record
<b>CLUSIACEAE</b>			
<i>Calophyllum inophyllum</i>	beach calophyllum	P	
<i>Garcinia mangostana</i>	mangosteen	P	one record
<b>COMBRETACEAE</b>			
<i>Terminalia arenicola</i>	brown damson	P,R	major host
<i>Terminalia aridicola</i>		P	major host
<i>Terminalia catappa</i>	Pacific almond	D,P,R	major host
<i>Terminalia melanocarpa</i>		B	
<i>Terminalia muelleri</i>	Mueller's damson	P,R	major host
<i>Terminalia platyphylla</i>		P	major host
<i>Terminalia sericocarpa</i>	damson	P	major host
<i>Terminalia subacroptera</i>		P	major host
<b>DAVIDSONIACEAE</b>			
<i>Davidsonia pruriens</i>	Davidson's plum	P,Q	
<b>EBENACEAE</b>			
<i>Diospyros blancoi</i>	mabolo	P	
<i>Diospyros kaki</i>	persimmon	P,Q	
<b>ELAEOCARPACEAE</b>			
<i>Elaeocarpus bancroftii</i>	ebony heart	P	one specimen only
<i>Muntingia calabura</i>	Panama cherry	P	
<b>EUPHORBIACEAE</b>			
<i>Drypetes lasiogyna</i> var. <i>australasica</i>	yellow tulipwood; grey boxwood	B	
<b>FLACOURTIACEAE</b>			
<i>Dovyalis hebecarpa</i>		P	one record
<i>Flacourtia inermis</i>		P	one record
<i>Flacourtia ramontchi</i>		P	one specimen only
<b>HIPPOCRATEACEAE</b>			
<i>Salacia chinensis</i>	lolly berry	P	moderate host
<b>LAURACEAE</b>			
<i>Cryptocarya erythroxylon</i>	southern maple	B	
<i>Endiandra compressa</i>	Queensland greenheart	B	
<i>Endiandra cowleyana</i>	northern rose walnut	D	
<i>Endiandra dielsiana</i>	candle walnut	P	
<i>Endiandra microneura</i>	Noah's walnut	P	
<i>Endiandra wolfei</i>		P	one specimen only
<i>Persea americana</i>	avocado	P,Q	
<b>LEEACEAE</b>			
<i>Leea indica</i>	bandicoot berry	P	one specimen only
<b>LECYTHIDACEAE</b>			
<i>Barringtonia calyptrata</i>	mango pine	P	one specimen only
<i>Barringtonia racemosa</i>	muer	R	
<b>MALPIGHIACEAE</b>			
<i>Malpighia emarginata</i> (= <i>glabra</i> )	acerola	P	major host
<b>MELASTOMATACEAE</b>			
<i>Melastoma affine</i>	native lasiandra	P	one specimen only
<b>MELIACEAE</b>			
<i>Aglaia sapindina</i>	boodyarra	P	one record
<i>Sandoricum indicum</i>	santol	P	one record

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>MORACEAE</b>			
<i>Ficus benjamina</i>	weeping fig	P	one specimen only
<i>Ficus carica</i>	edible fig	P	one record
<i>Ficus microcarpa</i>	small fruited fig	P	one record
<i>Ficus racemosa</i>	cluster fig	P	one specimen only
<i>Maclura cochinchinensis</i>	Indian cockspur	J	
<i>Morus nigra</i>	mulberry	B,P	
<i>Pourouma cecropiaefolia</i>	Amazon tree grape	P	
<b>MUSACEAE</b>			
<i>Musa banksii</i>	native banana	P	one specimen only
<i>Musa x paradisiaca</i>	banana	P	not known from hard green
<b>MYRTACEAE</b>			
<i>Acmena graveolens</i>	cassowary pine	P	
<i>Acmena hemilampra</i> ssp. <i>hemilampra</i>	broad-leaved lillypilly	P	
<i>Acmena resa</i>		P	
<i>Acmenospermum claviflorum</i>		P	
<i>Archirhodomyrtus beckleri</i>	pink myrtle	P	one record
<i>Eugenia brasiliensis</i>	grumichama	P	
<i>Eugenia reinwardtiana</i>	beach cherry	P	
<i>Eugenia uniflora</i>	Brazilian cherry	B,P	major host
<i>Feijoa sellowiana</i>	feijoa	B,P,Q	
<i>Myrciaria cauliflora</i>	jaboticaba	P	
<i>Psidium cattleianum</i>	cherry guava	B,E,P,Q	major host
<i>Psidium cattleianum</i> var. <i>lucidum</i>		P	
<i>Psidium guajava</i>	guava	A,B,P,Q,R	major host
<i>Psidium guineense</i>		P	one specimen only
<i>Rhodomyrtus macrocarpa</i>	finger cherry	D	
<i>Syzygium alliligneum</i>	onionwood	P	one specimen only
<i>Syzygium aqueum</i>	water apple	P,Q	
<i>Syzygium australe</i>	creek satinash	D,P	
<i>Syzygium canicortex</i>	yellow satinash	P	one specimen only
<i>Syzygium cormiflorum</i>	bumpy satinash	P	
<i>Syzygium forte</i> ssp. <i>forte</i>	white apple	P	
<i>Syzygium jambos</i>	wax jambu	P,Q	
<i>Syzygium luehmannii</i>	cherry satinash	P,U	
<i>Syzygium malaccense</i>	Malay apple	P,Q	
<i>Syzygium paniculatum</i>		Q	
<i>Syzygium samarangense</i>	Java apple	P	
<i>Syzygium suborbiculare</i>	red bush apple	P	one specimen only
<i>Syzygium tierneyanum</i>	river cherry	D,P	
<b>OLACACEAE</b>			
<i>Ximenia americana</i>	putit	P,R	
<b>OLEACEAE</b>			
<i>Notalaea</i> sp.		J	
<b>OXALIDACEAE</b>			
<i>Averrhoa carambola</i>	carambola	P,Q	
<b>PASSIFLORACEAE</b>			
<i>Passiflora aurantia</i>		P	
<i>Passiflora edulis</i>	passionfruit	P	
<i>Passiflora edulis</i> var. <i>flavicarpa</i>	yellow passionfruit	P	
<i>Passiflora foetida</i>	stinking passionfruit	P	
<i>Passiflora quadrangularis</i>	granadilla	P	
<i>Passiflora suberosa</i>	corky passionfruit	B,P	
<i>Passiflora subpeltata</i> (= <i>alba</i> )	white passionfruit	B,P,Q	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>PIPERACEAE</b>			
<i>Piper nigrum</i>	pepper	P	one record
<b>RHAMNACEAE</b>			
<i>Ziziphus jujuba</i>	jujube	R	
<i>Ziziphus mauritiana</i>	Indian jujube	P	one specimen only
<b>RHIZOPHORACEAE</b>			
<i>Carallia brachiata</i>		P,U	confirmation required
<b>ROSACEAE</b>			
<i>Cydonia oblonga</i>	quince	P	one record
<i>Eriobotrya japonica</i>	loquat	B,P	
<i>Fragaria</i> sp.	strawberry	J,Q	two records
<i>Malus sylvestris</i>	apple	B,P	
<i>Prunus armeniaca</i>	apricot	B	
<i>Prunus domestica</i>	plum	B	
<i>Prunus persica</i>	peach	B,P	
<i>Prunus persica</i> var. <i>nucipersica</i>	nectarine	P	
<i>Prunus turneriana</i>	almond bark	P	
<i>Pyrus communis</i>	pear	B,P	
<i>Rubus rosifolius</i>	rose-leaf bramble	U	
<b>RUBIACEAE</b>			
<i>Coffea arabica</i>	coffee	B,P	moderate host
<b>RUTACEAE</b>			
<i>Acronychia acidula</i>	lemon aspen	P	
<i>Casimiroa edulis</i>	white sapote	D,P,Q	
<i>Citrus aurantifolia</i>	lime	P	
<i>Citrus grandis</i>	pummelo	B,P	
<i>Citrus jambhiri</i>	bush lemon	P	
<i>Citrus limetta</i>	sweet lemon	P	
<i>Citrus limon</i>	lemon	B,P,Q	
<i>Citrus limon</i>	Meyer lemon	B,P	
<i>Citrus paradisi</i>	grapefruit	B,P	
<i>Citrus reticulata</i>	mandarin	B,P	
<i>Citrus reticulata</i>	tangelo	P	
<i>Citrus reticulata</i>	tangerine	P	
<i>Citrus sinensis</i>	orange	B,P	
<i>Clausena brevistyla</i>	clausena	A	
<i>Clausena lansium</i>	wampi	P	
<i>Fortunella japonica</i>	kumquat	B,P	
<i>Glycosmis trifoliata</i>		P	
<i>Micromelum minutum</i>	lime berry	U	
<i>Murraya exotica</i>	orange jessamine	P	one record
<b>SANTALACEAE</b>			
<i>Exocarpos latifolius</i>		P	one specimen only
<i>Santalum lanceolatum</i>		U	
<b>SAPINDACEAE</b>			
<i>Castanospora alphanthii</i>	brown tamarind	P,U	
<i>Ganophyllum falcatum</i>	Daintree hickory	A,J,P	
<b>SAPOTACEAE</b>			
<i>Chrysophyllum cainito</i>	star apple	P,Q	
<i>Manilkara zapota</i>	sapodilla	P,Q	
<i>Niemeyera chartacea</i>		B	
<i>Niemeyera prunifera</i>	plum boxwood	P	one record
<i>Planchonella obovoidea</i>	black ash	P	
<i>Pouteria caimito</i>	abiu	P	
<i>Pouteria obovata</i>		B	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Pouteria xerocarpa</i>		P	
<i>Synsepalum dulcificum</i>	miracle fruit	P	
SMILACACEAE			
<i>Geitonoplesium cymosum</i>		P	one record
SOLANACEAE			
<i>Capsicum annuum</i>	capsicum	P,Q	
<i>Capsicum annuum</i>	chilli	P	
<i>Cyphomandra betacea</i>	tamarillo	B	
<i>Solanum laciniatum</i>	kangaroo apple	B	
<i>Solanum lycopersicum</i>	tomato	B,P,Q	
<i>Solanum lycopersicum</i>	cherry tomato	P	
<i>Solanum seaforthianum</i>	Brazilian nightshade	B,P	
VERBENACEAE			
<i>Premna serratifolia</i>	coastal premna	P	one record
VITACEAE			
<i>Tetrastigma nitens</i>		P	
<i>Vitis labrusca</i>	Isabella grape	E	

#### 54. *Bactrocera (Bactrocera) notatagena* (May)

DISTRIBUTION	Known from the Atherton Tableland and coastal areas from Cairns to South Johnstone, northeast Queensland.
MALE LURE	None known.
HOST PLANT	None recorded.

#### 55. *Bactrocera (Bactrocera) opiliae* (Drew & Hardy)

COMMON NAME	False Oriental fruit fly.
DISTRIBUTION	Northern Western Australia, Northern Territory and northwest Queensland.
MALE LURE	Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Mangifera indica</i>	mango	G	two records from one locality, both in December 1969
COMBRETACEAE			
<i>Terminalia ferdinandiana</i>	billy-goat plum	I	confirmation required
CUCURBITACEAE			
<i>Mukia maderaspatana</i>		I	two records
OPILIACEAE			
<i>Opilia amentacea</i>		G,I,J	major host

#### 56. *Bactrocera (Bactrocera) pallida* (Perkins & May)

DISTRIBUTION	Northern Territory, Torres Strait islands and northeast Queensland, as far south as Ayr. There are a few older records from southeast Queensland (May 1963).
MALE LURE	Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MALVACEAE			
<i>Hibiscus tiliaceus</i>	hibiscus	I	one record; probable error

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>RUBIACEAE</b>			
<i>Nauclea orientalis</i> (= <i>Sarcocephalus cordatus</i> )	Leichhardt tree; cheesewood	A,B,G,P	major host

### 57. *Bactrocera (Bactrocera) papayae* Drew & Hancock

COMMON NAME	Papaya fruit fly; Asian Papaya fruit fly.		
DISTRIBUTION	Torres Strait islands; regular on the northern islands, occasional elsewhere. Recorded at Mt Isa in northwest Queensland and from Cooktown to Cardwell in northeast Queensland during 1995-1997; since eradicated from mainland Australia.		
MALE LURE	Methyl eugenol.		

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>ANACARDIACEAE</b>			
<i>Anacardium occidentale</i>	cashew	P	
<i>Bouea macrophylla</i>	peach mango	P	
<i>Mangifera indica</i>	mango	P	major host
<b>ANNONACEAE</b>			
<i>Annona muricata</i>	soursop	P	one record
<b>CARICACEAE</b>			
<i>Carica papaya</i>	pawpaw	P	
<b>COMBRETACEAE</b>			
<i>Terminalia arenicola</i>	brown damson	P	one specimen only
<i>Terminalia catappa</i>	Pacific almond	P,R	
<i>Terminalia sericocarpa</i>	damson	P	one record
<b>MALPIGHIACEAE</b>			
<i>Malpighia emarginata</i> (= <i>glabra</i> )	acerola	P	
<b>MELIACEAE</b>			
<i>Sandoricum indicum</i>	santol	P	
<b>MUSACEAE</b>			
<i>Musa x paradisiaca</i>	banana	P	not known from hard green
<i>Musa x paradisiaca</i>	sugar banana	P	
<b>MYRTACEAE</b>			
<i>Eugenia reinwardtiana</i>	beach cherry	P	one record
<i>Eugenia uniflora</i>	Brazilian cherry	P	one record
<i>Myrciaria cauliflora</i>	jaboticaba	P	one record
<i>Psidium cattleianum</i>	cherry guava	P	
<i>Psidium guajava</i>	guava	P	
<i>Syzygium malaccense</i>	Malay apple	P	
<b>OLACACEAE</b>			
<i>Ximenia americana</i>	putit	R	
<b>OXALIDACEAE</b>			
<i>Averrhoa carambola</i>	carambola	P	
<b>PASSIFLORACEAE</b>			
<i>Passiflora edulis</i>	passionfruit	P	
<i>Passiflora suberosa</i>	corky passionfruit	P	one record
<b>RUBIACEAE</b>			
<i>Coffea arabica</i>	coffee	P	
<b>RUTACEAE</b>			
<i>Casimiroa edulis</i>	white sapote	P	
<i>Citrus grandis</i>	pummelo	P	one specimen only

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Citrus jambhiri</i>	bush lemon	P	
<i>Citrus limon</i>	lemon	P	
<i>Citrus limon</i>	Meyer lemon	P	
<i>Citrus paradisi</i>	grapefruit	P	
<i>Citrus reticulata</i>	mandarin	P	
<i>Fortunella japonica</i>	kumquat	P	
SAPOTACEAE			
<i>Chrysophyllum cainito</i>	star apple	P	
<i>Manilkara zapota</i>	sapodilla	P	one record
<i>Pouteria caimito</i>	abiu	P	
<i>Pouteria campechiana</i>	canistel	P	one specimen only
SOLANACEAE			
<i>Capsicum annuum</i>	capsicum	P	
<i>Capsicum annuum</i>	chilli	P	
<i>Solanum lycopersicum</i>	tomato	P	
<i>Solanum lycopersicum</i>	cherry tomato	P	

### 58. *Bactrocera (Bactrocera) parabarringtoniae* Drew & Hancock

DISTRIBUTION Torres Strait islands.

MALE LURE Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
LECYTHIDACEAE			
<i>Barringtonia racemosa</i>	muer	O	

### 59. *Bactrocera (Bactrocera) parafrauenfeldi* Drew

DISTRIBUTION Melville I. and Cobourg Peninsula, Northern Territory.

MALE LURE Cue lure.

HOST PLANT None recorded.

### 60. *Bactrocera (Bactrocera) peninsularis* (Drew & Hancock)

DISTRIBUTION Torres Strait islands and Cape York to the Cooktown district, northeast Queensland.

MALE LURE Cue lure.

HOST PLANT None recorded.

### 61. *Bactrocera (Bactrocera) perkinsi* (Drew & Hancock)

DISTRIBUTION Torres Strait islands and Cape York to Iron Range, northeast Queensland.

MALE LURE Cue lure.

HOST PLANT None recorded.

### 62. *Bactrocera (Bactrocera) phaleriae* (May)

DISTRIBUTION Known from Port Douglas, near Cairns, northeast Queensland.

MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
THYMELIACEAE			
<i>Phaleria blumei</i> var. <i>latifolia</i>		D	

**63. *Bactrocera (Bactrocera) philippinensis* Drew & Hancock**

DISTRIBUTION Recorded from the Darwin district, Northern Territory during late 1997; since eradicated.  
MALE LURE Methyl eugenol.  
HOST PLANT None recorded from Australia; elsewhere polyphagous (Drew and Hancock 1994).

**64. *Bactrocera (Bactrocera) pulchra* Tryon**

DISTRIBUTION Known from Glasshouse Mts, southeast Queensland and Atherton Tableland, northeast Queensland.  
MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
SAPOTACEAE			
<i>Planchonella</i> sp.		A	one specimen only

**65. *Bactrocera (Bactrocera) pseudodistincta* (Drew)**

DISTRIBUTION Torres Strait islands.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**66. *Bactrocera (Bactrocera) quadrata* (May)**

DISTRIBUTION Torres Strait islands and eastern coastal Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**67. *Bactrocera (Bactrocera) recurrens* (Hering)**

DISTRIBUTION A single record from Stephen I., Torres Strait.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**68. *Bactrocera (Bactrocera) redunca* (Drew)**

DISTRIBUTION Occasional records from northern Torres Strait islands.  
MALE LURE Cue lure.  
HOST PLANT None recorded.  
NOTE Records may refer to *B. (B.) anfracta* Drew.

**69. *Bactrocera (Bactrocera) resima* (Drew)**

DISTRIBUTION Recorded from Saibai I., northern Torres Strait.  
MALE LURE None known.  
HOST PLANT None recorded.

**70. *Bactrocera (Bactrocera) robiginosa* (May)**

DISTRIBUTION Known from the Cairns district, Queensland.  
MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
SMILACACEAE			
<i>Smilax australis</i>		U	

**71. *Bactrocera (Bactrocera) romigae* (Drew & Hancock)**

DISTRIBUTION Iron and McIlwraith Ranges, central Cape York Peninsula, Queensland.  
MALE LURE Methyl eugenol.  
HOST PLANT None recorded.

**72. *Bactrocera (Bactrocera) rufescens* (May)**

DISTRIBUTION Known from Kuranda, near Cairns, northeast Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**73. *Bactrocera (Bactrocera) rufofuscula* (Drew & Hancock)**

DISTRIBUTION Torres Strait islands and Cape York Peninsula, Queensland, as far south as Iron Range.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>CHRYSOBALANACEAE</b>			
<i>Parinari nonda</i>	nonda plum	U	
<b>CLUSIACEAE</b>			
<i>Calophyllum sil</i>	alligator bark	U	
<b>MYRTACEAE</b>			
<i>Acmena mackinnoniana</i>		U	
<i>Syzygium erythrocalyx</i>	Daintree satinash	U	
<i>Syzygium puberulum</i>	white satinash	U	
<b>SAPINDACEAE</b>			
<i>Castanospora alphanthii</i>	brown tamarind	U	
<i>Castanospora cribbianus</i>		U	

**74. *Bactrocera (Bactrocera) russeola* (Drew & Hancock)**

DISTRIBUTION Atherton Tableland to Paluma (near Townsville), northeast Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**75. *Bactrocera (Bactrocera) silvicola* (May)**

DISTRIBUTION Northeast Queensland, as far south as Cairns and the Atherton Tableland.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**76. *Bactrocera (Bactrocera) strigata* (Perkins)**

DISTRIBUTION Known from southeast Queensland to Victoria.  
MALE LURE None known.  
HOST PLANT None recorded. May (1963) reported it from *Eugenia* sp. (possibly = *Syzygium* sp.) (Myrtaceae) but the accuracy of this record is unknown.

**77. *Bactrocera (Bactrocera) tenuifascia* (May)**

DISTRIBUTION Northern Western Australia and the Darwin district of the Northern Territory.  
MALE LURE Methyl eugenol.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
SAPOTACEAE			
<i>Planchonella arnhemica</i>		I,S	
<i>Pouteria pohlmaniana</i> var. <i>pohlmaniana</i>	yellow boxwood	G,I,S	

### 78. *Bactrocera (Bactrocera) trivialis* (Drew)

DISTRIBUTION	Occasional records from northern Torres Strait islands.
MALE LURE	Cue lure.
HOST PLANT	None recorded from Australia. Elsewhere polyphagous (Drew 1989).

### 79. *Bactrocera (Bactrocera) tryoni* (Froggatt)

COMMON NAME	Queensland fruit fly.
DISTRIBUTION	Alice Springs in Northern Territory, Torres Strait islands, inland Queensland as far west as Mt Isa and eastern Australia as far south as East Gippsland, Victoria. Occasional records (since eradicated) from Perth, Western Australia and Adelaide, South Australia. Other Northern Territory records appear to refer to the suspected hybrid <i>B. tryoni</i> x <i>B. aquilonis</i> .
MALE LURE	Cue lure.
NOTE	Host records listed below from Reference sources I and S refer to the suspected hybrid <i>B. tryoni</i> x <i>B. aquilonis</i> .

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Anacardium occidentale</i>	cashew	A,B,I,P	major host
<i>Bouea macrophylla</i>	peach mango	P	
<i>Mangifera indica</i>	mango	A,B,I,P,Q	major host
<i>Pleiogynium timorensis</i> (= <i>cerasiferum</i> )	Burdekin plum	B,P,S	
<i>Semecarpus australiensis</i>	tar tree	P	
<i>Spondias dulcis</i> (= <i>cytherea</i> )	Jewish plum	B,I,P	
<i>Spondias mombin</i>	hog plum	P,Q	
ANNONACEAE			
<i>Annona atemoya</i>	atemoya	P	major host
<i>Annona glabra</i>	pond apple	PS,U	major host
<i>Annona muricata</i>	soursop	I,P	major host
<i>Annona reticulata</i>	bullock's heart	A,I,P	major host
<i>Annona squamosa</i>	custard apple	B,I,P	
<i>Cananga odorata</i>	perfume tree	D	
<i>Polyalthia nitidissima</i>	canary beech	A	
<i>Polyalthia</i> sp.		B	
<i>Rauwenhoffia leichhardtii</i>	acid drop vine	B	
<i>Rollinia deliciosa</i>	rollinia	I,P	
<i>Rollinia mucosa</i>	rollinia	I	
APOCYNACEAE			
<i>Alyxia ruscifolia</i>	prickly alyxia	B	
<i>Carissa ovata</i>	currant bush	B,D	
<i>Nerium oleander</i>	oleander	P	one record
<i>Ochrosia elliptica</i>		B	
<i>Ochrosia moorei</i>		P	
<i>Thevetia peruviana</i>	yellow oleander	Q	
ARECACEAE			
<i>Normanbya normanbyi</i>	black palm	P	one record
<i>Phoenix dactylifera</i>	date palm	B,P,Q	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>CACTACEAE</b>			
<i>Opuntia ficus-indica</i>	Indian fig	B,P	
<i>Opuntia</i> sp.	prickly pear	P	
<b>CAPPARACEAE</b>			
<i>Capparis lucida</i>	coast caper	A	one record
<i>Capparis mitchellii</i>		B	one record
<i>Capparis nobilis</i>		B	one record
<b>CARICACEAE</b>			
<i>Carica papaya</i>	pawpaw	A,B,P	major host
<b>CELASTRACEAE</b>			
<i>Cassine australis</i>	red olive plum	B	
<i>Siphonodon australe</i>	ivorywood	B	
<b>CLUSIACEAE</b>			
<i>Calophyllum inophyllum</i>	beach calophyllum	P	one specimen only
<i>Garcinia dulcis</i>	yellow mangosteen	P	
<i>Garcinia warrenii</i>	native mangosteen	P	
<b>COMBRETACEAE</b>			
<i>Terminalia arenicola</i>	brown damson	P	major host
<i>Terminalia aridicola</i>		P	major host
<i>Terminalia catappa</i>	Pacific almond	A,I,P	major host
<i>Terminalia ferdinandiana</i>	billy-goat plum	I	
<i>Terminalia melanocarpa</i>		A,B	
<i>Terminalia muelleri</i>	Mueller's damson	A,B,P	major host
<i>Terminalia platyphylla</i>		P	major host
<i>Terminalia sericocarpa</i>	damson	P	major host
<i>Terminalia subacoptera</i>		P	major host
<b>CUCURBITACEAE</b>			
<i>Cucurbita moschata</i>	pumpkin	P	one record
<i>Diplocyclos palmatus</i> (= <i>Bryonopsis laciniosa</i> ; misident.)	striped cucumber	B,P	
<i>Momordica charantia</i>	bitter gourd	P	one record
<i>Trichosanthes anguina</i> (= <i>pentaphylla</i> )	guada bean	P	one record
<b>CUNONIACEAE</b>			
<i>Schizomeria ovata</i>	white birch	B	
<b>DAVIDSONIACEAE</b>			
<i>Davidsonia pruriens</i>	Davidson's plum	B,P,Q	
<b>EBENACEAE</b>			
<i>Diospyros australis</i>		B	
<i>Diospyros blancoi</i>	mabolo	P	
<i>Diospyros digyna</i>	black sapote	P,Q	
<i>Diospyros ebenaster</i>		I	
<i>Diospyros kaki</i>	persimmon	B,P,Q	
<b>ELAEOCARPACEAE</b>			
<i>Elaeocarpus angustifolius</i>	blue quandong	P	one specimen only
<i>Elaeocarpus bancroftii</i>	ebony heart	P	one record
<b>ERICACEAE</b>			
<i>Vaccinium</i> sp.	blueberry	U	
<b>EUPHORBIACEAE</b>			
<i>Drypetes lasiogyna</i> var. <i>australasica</i>	yellow tulipwood; grey boxwood	B	
<i>Glochidion ferdinandii</i>		B	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Glochidion harveyanum</i>	Harvey's buttonwood	P	one specimen
<i>Phyllanthus acidus</i>		I	
FABACEAE			
<i>Castanospermum australe</i>	black bean	P	one specimen only
FLACOURTIACEAE			
<i>Dovyalis caffra</i>	kei apple	B	
<i>Flacourtia inermis</i>		P	
<i>Flacourtia jangomas</i>		B,I	
<i>Flacourtia rukam</i>		I	
GOODENIACEAE			
<i>Scaevola taccada</i>	sea lettuce tree	P	one specimen only
HIPPOCRATEACEAE			
<i>Salacia chinensis</i>	lolly berry	P	moderate host
JUGLANDACEAE			
<i>Juglans regia</i>	walnut	B	
LAURACEAE			
<i>Beilschmiedia obtusifolia</i>	blush walnut	A	
<i>Cryptocarya erythroxylon</i>	southern maple	B	
<i>Endiandra compressa</i>	Queensland greenheart	A,B	
<i>Endiandra cowleyana</i>	northern rose walnut	D	
<i>Endiandra discolor</i>	rose walnut	B	
<i>Endiandra longipedicellata</i>	buff walnut	P	
<i>Endiandra microneura</i>	Noah's walnut	P	
<i>Endiandra sankeyana</i>	Sankey's walnut	U	
<i>Endiandra wolfei</i>		P	
<i>Persea americana</i>	avocado	B,I,P,Q	
LECYTHIDACEAE			
<i>Barringtonia calypttrata</i>	mango pine	P	
<i>Planchonia careya</i>	cocky apple	P	
LOGANIACEAE			
<i>Fagraea cambagei</i>	porcelain fruit	P	
MALPIGHIACEAE			
<i>Malpighia emarginata</i> (= <i>glabra</i> )	acerola	I,P,Q	
MELASTOMATACEAE			
<i>Melastoma affine</i>	native lasiandra	P	one specimen only
MELIACEAE			
<i>Aglaiia sapindina</i>	boodyarra	A,P	confirmation required
<i>Owenia venosa</i>	crow's apple	B	
<i>Sandoricum indicum</i>	santol	P	
MORACEAE			
<i>Artocarpus heterophyllus</i>	jakfruit	P	
<i>Artocarpus odoratissima</i>	marang	P	one specimen only
<i>Ficus carica</i>	edible fig	B,P,Q	
<i>Ficus leptoclada</i>	Atherton fig	P	one specimen only
<i>Ficus macrophylla</i>	Moreton Bay fig	B	
<i>Ficus racemosa</i> (= <i>glomerata</i> )	cluster fig	B,P	
<i>Maclura cochinchinensis</i> (= <i>javanensis</i> )	Indian cockspear	B	
<i>Morus alba</i>	white mulberry	B,P	
<i>Morus nigra</i>	mulberry	B,P,Q	major host
<i>Pourouma cecropiaefolia</i>	Amazon tree grape	P	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>MUSACEAE</b>			
<i>Musa x paradisiaca</i>	banana	I,P	not known from hard green
<i>Musa x paradisiaca</i>	dwarf banana	B	not known from hard green
<i>Musa x paradisiaca</i>	lady finger banana	I	not known from hard green
<i>Musa x paradisiaca</i>	sugar banana	P	not known from hard green
<b>MYRTACEAE</b>			
<i>Acmena graveolens</i> (= <i>macrocarpa</i> )	cassowary pine	D,P	
<i>Acmena hemilampra</i> ssp. <i>hemilampra</i>	broad-leaved lillypilly	P	
<i>Acmena resa</i>		P	
<i>Acmena smithii</i>	lillypilly	B	
<i>Acmenospermum claviflorum</i>		P	
<i>Eugenia brasiliensis</i>	grumichama	P	
<i>Eugenia reinwardtiana</i>	beach cherry	P	
<i>Eugenia uniflora</i>	Brazilian cherry	B,I,P	major host
<i>Feijoa sellowiana</i>	feijoa	A,B,P,Q	
<i>Myrciaria cauliflora</i>	jaboticaba	P,Q,S	
<i>Psidium cattleianum</i> (= <i>littorale</i> )	cherry guava	A,B,I,P	major host
<i>Psidium guajava</i>	guava	A,B,I,P,Q	major host
<i>Psidium guineense</i>		P	
<i>Rhodamnia sessiliflora</i>	iron malletwood	A	
<i>Syzygium alliligneum</i>	onionwood	P	
<i>Syzygium angophoroides</i>	swamp satinash	P	
<i>Syzygium aqueum</i>	water apple	I,P,Q	major host
<i>Syzygium australe</i>	creek satinash	B,P	
<i>Syzygium canicortex</i>	yellow satinash	P	
<i>Syzygium cormiflorum</i>	bumpy satinash	A,P	
<i>Syzygium corynanthum</i>	sour cherry	B	
<i>Syzygium cumini</i>	jambolan	P	
<i>Syzygium erythrocalyx</i>	Johnstone R. satinash	P	
<i>Syzygium fibrosum</i>	fibrous satinash	I,P	
<i>Syzygium forte</i> ssp. <i>forte</i>	white apple	P	major host
<i>Syzygium jambos</i>	wax jambu	A,I,P	major host
<i>Syzygium kuranda</i>	Kuranda satinash	D	
<i>Syzygium luehmannii</i>	cherry satinash	P,U	
<i>Syzygium malaccense</i>	Malay apple	I,P	major host
<i>Syzygium megacarpa</i>		P	one record
<i>Syzygium paniculatum</i>		Q	
<i>Syzygium puberulum</i>	white satinash	P	one record
<i>Syzygium rubrimolle</i>	red lady apple	J	
<i>Syzygium samarangense</i>	Java apple	P	
<i>Syzygium suborbiculare</i>	red bush apple	A,I,P	major host
<i>Syzygium tierneyanum</i>	river cherry	P	major host
<i>Syzygium xerampelinum</i>	Mulgrave satinash	P	
<b>OLEACEAE</b>			
<i>Notalaea longifolia</i>		B	
<i>Olea europaea</i>	olive	B	
<b>OXALIDACEAE</b>			
<i>Averrhoa bilimbi</i>	bilimbi	S	
<i>Averrhoa carambola</i>	carambola	A,B,I,P,Q	major host
<b>PASSIFLORACEAE</b>			
<i>Passiflora aurantia</i>		B,P	
<i>Passiflora edulis</i>	passionfruit	B,P	major host
<i>Passiflora edulis</i> var. <i>flavicarpa</i>	yellow passionfruit	P	
<i>Passiflora foetida</i>	stinking passionfruit	P	
<i>Passiflora quadrangularis</i>	granadilla	B,P	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Passiflora suberosa</i>	corky passionfruit	P	major host
<i>Passiflora subpeltata</i> (= <i>alba</i> )	white passionfruit	B,P	
PUNICACEAE			
<i>Punica granatum</i>	pomegranate	B,P	
RHAMNACEAE			
<i>Rhamnella vitiensis</i>		A	
<i>Ziziphus mauritiana</i>	Indian jujube	B,I	
RHIZOPHORACEAE			
<i>Carallia brachiata</i>		P,U	
ROSACEAE			
<i>Cydonia oblonga</i>	quince	B,P	
<i>Eriobotrya japonica</i>	loquat	B,I,P	major host
<i>Fragaria</i> sp.	strawberry	P,Q,U	
<i>Malus sylvestris</i>	apple	B,I,P,Q	major host
<i>Prunus armeniaca</i>	apricot	B	
<i>Prunus avium</i>	cherry	B	
<i>Prunus cerasifera</i>	ornamental plum	E	
<i>Prunus domestica</i>	plum	A,B,P	
<i>Prunus persica</i>	peach	A,B,I,P	major host
<i>Prunus persica</i> var. <i>nucipersica</i>	nectarine	B,P,U	major host
<i>Pyrus communis</i>	pear	B,P,Q,S	
<i>Pyrus pyrifolia</i>	nashi	P	
<i>Rubus fruticosus</i>	blackberry	B,P	
<i>Rubus ursinus</i> var. <i>loganobaccus</i>	loganberry	D	
RUBIACEAE			
<i>Coffea arabica</i>	coffee	B,P	major host
<i>Nauclea orientalis</i> (= <i>Sarcocephalus cordatus</i> )	Leichhardt tree; cheesewood	B,P	major host
RUTACEAE			
<i>Acronychia acidula</i>	lemon aspen	E,P	
<i>Acronychia laevis</i>		B	one record
<i>Acronychia vestita</i>	fuzzy lemon aspen	P	
<i>Acronychia</i> sp. aff. <i>laevis</i>		E	
<i>Aegle marmelos</i>	bael fruit	B	
<i>Casimiroa edulis</i>	white sapote	D,P,Q	major host
<i>Casimiroa tetrameria</i>	yellow sapote	P	
<i>Citrus aurantifolia</i>	lime	P	
<i>Citrus aurantium</i>	Seville orange	P	
<i>Citrus grandis</i>	pummelo	B,I,P	
<i>Citrus jambhiri</i>	bush lemon	P	
<i>Citrus limetta</i>	sweet lemon	P	
<i>Citrus limon</i>	lemon	B,I,P	
<i>Citrus limon</i>	Meyer lemon	B,P	
<i>Citrus medica</i>	citron	B	
<i>Citrus paradisi</i>	grapefruit	B,I,P	
<i>Citrus paradisi</i>	pink grapefruit	P	
<i>Citrus reticulata</i>	mandarin	B,I,P,Q	
<i>Citrus reticulata</i>	tangelo	P	
<i>Citrus reticulata</i>	tangerine	P	
<i>Citrus sinensis</i>	orange	B,P	
<i>Clausena lansium</i>	wampi	P	
<i>Eremocitrus glauca</i>	lime bush	B	
<i>Fortunella crassifolia</i>		I	
<i>Fortunella japonica</i>	kumquat	B,P	major host
<i>Glycosmis trifoliata</i>		I	
<i>Murraya exotica</i>	orange jessamine	P	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>SANTALACEAE</b>			
<i>Santalum lanceolatum</i>		U	
<b>SAPINDACEAE</b>			
<i>Blighia sapida</i>	akee	I	
<i>Castanospora alphandii</i>	brown tamarind	A,P	
<i>Euphoria longan</i>	longan	P	
<i>Ganophyllum falcatum</i>	Daintree hickory	A	
<i>Litchi chinensis</i>	litchi	P	two records
<i>Nephelium lappaceum</i>	rambutan	P	one specimen only
<i>Pometia pinnata</i>		P	one specimen only
<b>SAPOTACEAE</b>			
<i>Amorphospermum antilogum</i>	brown pearwood	A	
<i>Chrysophyllum cainito</i>	star apple	I,P,Q	major host
<i>Manilkara zapota</i>	sapodilla	I,P,Q	major host
<i>Mimusops elengi</i> (= <i>parvifolia</i> )	red coondoo	A	
<i>Niemeyera chartacea</i>		B	
<i>Niemeyera prunifera</i>	plum boxwood	P	one record
<i>Planchonella australis</i>	black apple	B	
<i>Planchonella macrocarpa</i>	big-leaf planchonella	P	
<i>Planchonella obovoidea</i>	black ash	P	
<i>Planchonella</i> sp.		A	
<i>Pouteria caimito</i>	abiu	P	
<i>Pouteria campechiana</i>	yellow sapote	P	
<i>Pouteria pohlmaniana</i> var. <i>pohlmaniana</i>	yellow boxwood	B,P	
<i>Pouteria sapota</i>	mammey sapote	P	
<i>Synsepalum dulcificum</i>	miracle fruit	P	
<b>SMILACACEAE</b>			
<i>Ripogonum papuanum</i>		A	confirmation required
<b>SOLANACEAE</b>			
<i>Capsicum annuum</i>	capsicum	B,I,P,Q	major host
<i>Capsicum annuum</i>	chilli	P,Q	major host
<i>Cyphomandra betacea</i>	tamarillo	P	
<i>Physalis peruviana</i>	cape gooseberry	B	
<i>Solanum laciniatum</i>	kangaroo apple	B	
<i>Solanum lycopersicum</i>	tomato	B,I,P,Q	major host
<i>Solanum mauritianum</i> (= <i>auriculatum</i> ; misident.)	wild tobacco	A,P	
<i>Solanum melongena</i>	eggplant	P	
<i>Solanum muricatum</i>	pepino	U	
<i>Solanum seaforthianum</i>	Brazilian nightshade	A,B,P	
<i>Solanum torvum</i>	Devil's fig	P	one record
<b>THYMELIACEAE</b>			
<i>Phaleria clerodendron</i>	scented daphne	P	
<b>TILIACEAE</b>			
<i>Grewia asiatica</i>	phasisa	Q	
<b>VERBENACEAE</b>			
<i>Premna serratifolia</i>	coastal premna	P	one record
<b>VITACEAE</b>			
<i>Cissus antarctica</i>		B	
<i>Cissus</i> sp.		D	
<i>Vitis labrusca</i>	Isabella grape	B	
<i>Vitis vinifera</i>	grape	B	
<i>Vitis</i> sp.	grape	P	

### 80. *Bactrocera (Bactrocera) turneri* Drew

DISTRIBUTION Torres Strait islands.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Semecarpus australiensis</i>	tar tree	R	
COMBRETACEAE			
<i>Terminalia catappa</i>	Pacific almond	R	

### 81. *Bactrocera (Bactrocera) umbrosa* (Fabricius)

DISTRIBUTION Occasional records from Darnley and other northern Torres Strait islands.  
MALE LURE Methyl eugenol.  
HOST PLANT None recorded from Australia but elsewhere breeds in *Artocarpus* spp. (Moraceae).

### 82. *Bactrocera (Bactrocera) yorkensis* Drew & Hancock

DISTRIBUTION Northeast Queensland; known from Cape York and Cooktown to Whitsunday.  
MALE LURE Methyl eugenol.  
HOST PLANT None recorded.

### 83. *Bactrocera (Bulladacus) neotigrina* Drew & Hancock

DISTRIBUTION Northeast Queensland; known from Cooktown to the Cairns district.  
MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
COMBRETACEAE			
<i>Terminalia sericocarpa</i>	damson	O,P	

### 84. *Bactrocera (Bulladacus) tigrina* (May)

DISTRIBUTION Northeast Queensland; known from Iron Range to the Cairns district.  
MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
COMBRETACEAE			
<i>Terminalia muelleri</i>	Mueller's damson	O,P	
<i>Terminalia sericocarpa</i>	damson	O,P	

### 85. *Bactrocera (Diplodacus) signatifer* (Tryon)

DISTRIBUTION Coastal Northern Territory, Torres Strait islands and eastern Queensland, as far south as Bowen.  
MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CAPPARACEAE			
<i>Capparis lucida</i>	coast caper	A,B,P,R	major host
<i>Capparis sepiaria</i>		I	
<i>Capparis</i> sp.		G,I	
LECYTHIDACEAE			
<i>Barringtonia calypttrata</i>	mango pine	J	one record; probable error

**86. *Bactrocera (Gymnodacus) calophylli* (Perkins & May)**

DISTRIBUTION Coastal areas of northeast Queensland, as far south as the Ayr district.

MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CLUSIACEAE			
<i>Calophyllum inophyllum</i>	beach calophyllum	A,B,P	major host

**87. *Bactrocera (Hemizeugodacus) aglaiae* (Hardy)**

DISTRIBUTION Known from the Mossman to Tully districts, northeast Queensland.

MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MELIACEAE			
<i>Aglaia ferruginea</i>		A	
<i>Aglaia sapindina</i>	boodyarra	A,P	major host
SAPINDACEAE			
<i>Ganophyllum falcatum</i>	Daintree hickory	J	one record; probable error

**88. *Bactrocera (Hemizeugodacus) aurea* (May)**

DISTRIBUTION Southeast Queensland.

MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ALANGIACEAE			
<i>Alangium villosum</i> ssp. <i>tomentosum</i>		B	

**89. *Bactrocera (Hemizeugodacus) ektoalangiae* Drew & Hancock**

DISTRIBUTION Known only from the Cairns area, northeast Queensland.

MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ALANGIACEAE			
<i>Alangium villosum</i> ssp. <i>polyosmoides</i>		O	

**90. *Bactrocera (Javadacus) aberrans* (Hardy)**

DISTRIBUTION Eastern Queensland, as far north as the Cairns district.

MALE LURE None known.

NOTE Records from *Tabernaemontana pandacaqui* (Apocynaceae) may refer to a separate species near *B. aberrans*.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
APOCYNACEAE			
<i>Tabernaemontana pandacaqui</i>	banana bush	P	see Note above.
LAURACEAE			
<i>Cinnamomum oliveri</i>	sassafras	D	

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Cinnamomum virens</i>		D	
<i>Litsea leefeana</i>	bollywood	B	
<i>Litsea reticulata</i>	bollywood	B	
<i>Neolitsea dealbata</i> (= <i>involucrata</i> ; misident.)	grey bollywood	B,P	

### 91. *Bactrocera (Javadacus) melanothoracica* Drew

DISTRIBUTION	Torres Strait islands and Cape York Peninsula, Queensland, as far south as Iron Range.
MALE LURE	Methyl eugenol.
HOST PLANT	None recorded.

### 92. *Bactrocera (Javadacus) unirufa* Drew

DISTRIBUTION	Northeast Queensland, from Cape York to the Ingham district.
MALE LURE	Methyl eugenol.
HOST PLANT	None recorded.

### 93. *Bactrocera (Melanodacus) nigra* (Tryon)

DISTRIBUTION	Eastern Queensland, as far north as the Mossman district, north of Cairns.
MALE LURE	None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ICACINACEAE			
<i>Gomphandra australiana</i>		B	doubtful host
LAURACEAE			
<i>Cryptocarya</i> sp.		J	probable misidentification of <i>Chionanthus ramiflorus</i>
OLEACEAE			
<i>Chionanthus ramiflorus</i>	native olive	P	major host
<i>Olea paniculata</i>	Australian olive	B	
SYMPLOCACEAE			
<i>Symplocos thwaitesii</i>		B	doubtful host

### 94. *Bactrocera (Paratridacus) expandens* (Walker)

DISTRIBUTION	Northeast Queensland, as far south as the Cairns district.
MALE LURE	None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CLUSIACEAE			
<i>Garcinia dulcis</i>	yellow mangosteen	J,P	
<i>Garcinia gibbsiae</i>	mountain mangosteen	D	
<i>Garcinia mangostana</i>	mangosteen	P	one record
<i>Garcinia xanthochymus</i> (= <i>tinctoria</i> )		A,B	

**95. *Bactrocera (Queenslandacus) exigua* (May)**

DISTRIBUTION Known only from the Atherton Tableland at Atherton and Wallaman Falls, northeast Queensland.  
MALE LURE None known.  
HOST PLANT None recorded.

**96. *Bactrocera (Sinodacus) salamander* (Drew & Hancock)**

DISTRIBUTION Known only from the Bamaga district, Cape York, Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**97. *Bactrocera (Sinodacus) strigifinis* (Walker)**

DISTRIBUTION Torres Strait islands and northeast Queensland, as far south as the Ayr district.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**98. *Bactrocera (Zeugodacus) chorista* (May)**

DISTRIBUTION Eastern Queensland.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CUCURBITACEAE			
<i>Diplocyclos palmatus</i> (= <i>Bryonopsis laciniosa</i> ; misident.)	striped cucumber	B,J,P	major host

**99. *Bactrocera (Zeugodacus) cucurbitae* (Coquillett)**

COMMON NAME Melon fly.  
DISTRIBUTION Occasional records in Torres Strait.  
MALE LURE Cue lure.  
HOST PLANT None recorded from Australia; elsewhere polyphagous, particularly in Cucurbitaceae.

**100. *Bactrocera (Zeugodacus) fallacis* (Drew)**

DISTRIBUTION Known from the McIlwraith Range near Coen, central Cape York Peninsula, Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded.

**101. *Dacus (Callantra) axanus* (Hering)**

DISTRIBUTION Torres Strait islands, northwestern and northeastern Australia, as far south as Ayr.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CUCURBITACEAE			
<i>Luffa acutangula</i>	angled luffa	S	
<i>Luffa cylindrica</i>	vegetable sponge	I	
<i>Trichosanthes anguina</i> (= <i>pentaphylla</i> )	guada bean	D	

### 102. *Dacus (Callantra) petioliforma* (May)

DISTRIBUTION Eastern Queensland, south from Ayr.  
MALE LURE None known.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
CUCURBITACEAE <i>Trichosanthes anguina</i> (= <i>pentaphylla</i> )	guada bean	J	confirmation required

### 103. *Dacus (Callantra) pusillus* (May)

DISTRIBUTION Torres Strait islands and northeast Queensland, as far south as the Ingham district.  
MALE LURE Methyl eugenol.  
HOST PLANT None recorded but likely to be a species of Asclepiadaceae.

### 104. *Dacus (Dacus) absonifacies* (May)

DISTRIBUTION Southeast Queensland to central New South Wales and the Australian Capital Territory.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASCLEPIADACEAE <i>Marsdenia rostrata</i>		D	one specimen only

### 105. *Dacus (Dacus) bellulus* Drew & Hancock

DISTRIBUTION Coastal areas of the Northern Territory, Torres Strait islands and northeast Queensland, as far south as the Ayr district.  
MALE LURE Cue lure.  
HOST PLANT None recorded but likely to be a species of Asclepiadaceae.

### 106. *Dacus (Dacus) concolor* Drew

DISTRIBUTION Northeast Queensland from Cape York to Cairns.  
MALE LURE Cue lure.  
HOST PLANT None recorded but likely to be a species of Asclepiadaceae.

### 107. *Dacus (Dacus) newmani* (Perkins)

DISTRIBUTION Semi-arid areas of northwest, central and eastern Australia. Also recorded from Cairns, northeast Queensland (Osborne *et al.* 1997).  
MALE LURE Cue lure.  
HOST PLANT None recorded but likely to be a species of Asclepiadaceae.

### 108. *Dacus (Dacus) secamoneae* Drew

DISTRIBUTION Known from the Northern Territory and Chillagoe, northern Queensland.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASCLEPIADACEAE <i>Secamone elliptica</i>		G,J	

### 109. *Dacus (Dacus) signatifrons* (May)

DISTRIBUTION Coastal areas of southeast Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded but likely to be a species of Asclepiadaceae.

### 110. *Dacus (Didacus) aequalis* Coquillett

DISTRIBUTION Eastern Queensland to central New South Wales and the Australian Capital Territory. Also recorded at inland localities of Longreach in Queensland and Wilcannia in western New South Wales (Osborne *et al.* 1997).  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASCLEPIADACEAE <i>Marsdenia rostrata</i>		D	pupates within fruits

### 111. *Dacus (Didacus) hardyi* Drew

DISTRIBUTION Coastal Northern Territory, Torres Strait islands and Lockhart River, Queensland.  
MALE LURE Cue lure.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASCLEPIADACEAE <i>Cynanchum</i> sp.		I	

### 112. *Dacus (Didacus) palmerensis* Drew

DISTRIBUTION Known from the Palmer River, northeast Queensland.  
MALE LURE Cue lure.  
HOST PLANT None recorded but likely to be a species of Asclepiadaceae.

SUBFAMILY	TEPHRITINAE
TRIBE	TEPHRELLINI

### 113. *Sphaeniscus atilius* (Walker)

DISTRIBUTION Widespread from the Northern Territory to New South Wales.  
HOST PLANT Elsewhere breeds in flower heads of *Hyptis brevipes* and *H. capitata* (Labiatae).

TRIBE	TEPHRITINI
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### 114. *Campiglossa fuscata* (Macquart)

DISTRIBUTION Recorded from southeast Queensland to Tasmania.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE <i>Atalaya hemiglauca</i>		M	breeds in flower heads

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Helichrysum apiculatum</i>		M	breeds in flower heads
<i>Helichrysum bracteatum</i>		M	breeds in flower heads
<i>Helichrysum elatum</i>		M	breeds in flower heads
<i>Helichrysum ramosissimum</i>		M	collection record, not reared
<i>Senecio lautus</i>		M	breeds in flower heads
<i>Vittadinia triloba</i>		M	breeds in flower heads

### 115. *Campiglossa transversa* Hardy & Drew

DISTRIBUTION Recorded from southeast New South Wales to Tasmania.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Helichrysum</i> sp.		M	breeds in flower heads

### 116. *Campiglossa turneri* Hardy & Drew

DISTRIBUTION Southwest Western Australia.

HOST PLANT None recorded.

### 117. *Campiglossa vaga* Hardy & Drew

DISTRIBUTION Southeast Queensland.

HOST PLANT None recorded.

### 118. *Campiglossa whitei* Hardy & Drew

DISTRIBUTION Tasmania.

HOST PLANT None recorded.

### 119. *Collessomyia setiger* Hardy & Drew

DISTRIBUTION Inland areas of Western Australia, Northern Territory and Queensland.

HOST PLANT None recorded.

### 120. *Cooronga mcalpinei* Hardy & Drew

DISTRIBUTION South Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Calocephalus brownii</i>		M	breeds in flower heads

### 121. *Dioxyna brachybasis* Hardy

DISTRIBUTION Torres Strait islands and eastern Queensland.

HOST PLANT None recorded.

## 122. *Dioxyna hyalina* Hardy & Drew

DISTRIBUTION Widespread throughout mainland Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Brachycome ciliaris</i>		M	breeds in flower heads
<i>Careopsis grandiflora</i>		M	breeds in flower heads
<i>Craspedia uniflora</i>		M	breeds in flower heads

## 123. *Dioxyna sororcula* (Wiedemann)

DISTRIBUTION Widespread throughout Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Arctotheca</i> sp.		M	breeds in flower heads
<i>Bidens pilosa</i>		M	breeds in flower heads
<i>Brachycome</i> sp.		M	breeds in flower heads
<i>Careopsis</i> sp.		M	breeds in flower heads
<i>Centaurea</i> sp.		M	breeds in flower heads
<i>Craspedia</i> sp.		M	breeds in flower heads
<i>Ixiolaena</i> sp.		M	breeds in flower heads
<i>Senecio</i> sp.		M	breeds in flower heads
<i>Waitzia</i> sp.		M	breeds in flower heads

## 124. *Euaresta aequalis* (Loew)

COMMON NAME Noogoora Burr fly.

DISTRIBUTION An introduced species, recorded from Queensland and Australian Capital Territory.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Xanthium strumarium</i>	Noogoora burr	M	larvae feed on seeds

## 125. *Euaresta bullans* (Wiedemann)

COMMON NAME Bathurst Burr fly.

DISTRIBUTION An introduced species, recorded from Queensland to Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Xanthium spinosum</i>	Bathurst burr	M	larvae feed on seeds

## 126. *Hendrella australis* (Malloch)

DISTRIBUTION Recorded from Western Australia, Queensland and New South Wales.

HOST PLANT None recorded.

## 127. *Hendrella sexincisa* (Malloch)

DISTRIBUTION Recorded from Queensland, New South Wales and South Australia.

HOST PLANT None recorded.

### 128. *Hyalopeza schneiderae* Hardy & Drew

DISTRIBUTION Southeast Queensland to Victoria and South Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Cassinia longifolia</i>		M	breeds in stem galls

### 129. *Liepana helichrysii* Hardy & Drew

DISTRIBUTION Eastern New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Helichrysum diospyrifolium</i>		M	breeds in stem galls

### 130. *Liepana latifrons* Hardy & Drew

DISTRIBUTION Victoria.

HOST PLANT None recorded.

### 131. *Liepana lugubris* (Macquart)

DISTRIBUTION Known from southern New South Wales and Tasmania.

HOST PLANT None recorded.

### 132. *Mesoclanis magnipalpis* (Bezzi)

DISTRIBUTION Introduced in 1998 into South Australia and Victoria (Edwards *et al.* 1999).

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Chrysanthemoides monilifera</i> subsp. <i>monilifera</i>	boneseed	Z	breeds in flower heads, the larvae feeding on seeds

### 133. *Mesoclanis polana* (Munro)

COMMON NAME Bitou seed fly.

DISTRIBUTION An introduced species, known from southeast Queensland to southeast New South Wales. First introduced in 1996 (Edwards *et al.* 1999).

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Chrysanthemoides monilifera</i> subsp. <i>rotundata</i>	bitou bush	Z	breeds in flower heads, the larvae feeding on seeds

### 134. *Oedaspis apicalis* Hardy & Drew

DISTRIBUTION New South Wales and Australian Capital Territory.

HOST PLANT None recorded.

### 135. *Oedaspis apiciclara* Hardy & Drew

DISTRIBUTION Snowy Mts area, New South Wales.

HOST PLANT None recorded.

### 136. *Oedaspis austrina* Hardy & Drew

DISTRIBUTION South Australia and southern Western Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Olearia lepidophylla</i>		M	breeds in stem galls
<i>Olearia pimelioides</i>		M	breeds in stem galls

### 137. *Oedaspis continua* Hardy & Drew

DISTRIBUTION Western Australia.

HOST PLANT None recorded but collected adjacent to *Leschenaultia linarioides* (Goodeniaceae) (Hardy and Drew 1996).

### 138. *Oedaspis escheri* (Bezzi)

DISTRIBUTION Western Australia, southern Northern Territory and New South Wales.

HOST PLANT None recorded.

### 139. *Oedaspis gallicola* Hardy & Drew

DISTRIBUTION New South Wales and Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Hypochoeris glabra</i>		M	breeds in stem galls

### 140. *Oedaspis goodenia* Hardy & Drew

DISTRIBUTION Northeast Queensland to Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
GOODENIACEAE			
<i>Goodenia ovata</i>		M	breeds in stem galls

### 141. *Oedaspis mouldsi* Hardy & Drew

DISTRIBUTION Known from Mt Lewis and Mt Misery, Mossman district, northeast Queensland.

HOST PLANT None recorded.

### 142. *Oedaspis olearia* Hardy & Drew

Distribution New South Wales to Tasmania.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Aster ramiflora</i>		M	breeds in stem galls
<i>Olearia phylopopappa</i>		M	breeds in stem galls

### 143. *Oedaspis perkinsi* Hardy & Drew

DISTRIBUTION Victoria.

HOST PLANT None recorded.

#### 144. *Oedaspis semihyalina* Hardy & Drew

DISTRIBUTION Southwest Western Australia.  
HOST PLANT None recorded but collected adjacent to *Scaevola glandulifera* (Goodeniaceae) (Hardy and Drew 1996).

#### 145. *Oedaspis serrata* Hardy & Drew

DISTRIBUTION Known only from Mt Kaputar, New South Wales.  
HOST PLANT None recorded.

#### 146. *Oedaspis trifasciata* (Malloch)

DISTRIBUTION Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Cassinia longifolia</i>		M	breeds in stem galls
<i>Helichrysum dendroideum</i>		M	breeds in stem galls

#### 147. *Oedaspis trimaculata* Hardy & Drew

DISTRIBUTION Western Australia and southern Northern Territory.  
HOST PLANT None recorded.

#### 148. *Oedaspis whitei* Hardy & Drew

DISTRIBUTION Southern Western Australia, southern Northern Territory and Victoria.  
HOST PLANT None recorded but collected on *Scaevola nitida* (Goodeniaceae), a probable host (Hardy and Drew 1996).

#### 149. *Oedaspis* sp. A near *mouldsi*

DISTRIBUTION Mt Kaputar, New South Wales.  
HOST PLANT None recorded.

#### 150. *Oedaspis* sp. B near *mouldsi*

DISTRIBUTION Cradle Mt, Tasmania.  
HOST PLANT None recorded.

#### 151. *Oedaspis* sp. C

DISTRIBUTION New South Wales and Victoria.  
HOST PLANT None recorded.

#### 152. *Oedaspis* sp. D near *continua*

DISTRIBUTION Victoria.  
HOST PLANT None recorded.

#### 153. *Oedaspis* sp. E near *apicalis*

DISTRIBUTION New South Wales and Australian Capital Territory.  
HOST PLANT None recorded.

**154. *Paraactinoptera collessi* Hardy & Drew**

DISTRIBUTION Known only from Minilya, Western Australia.  
HOST PLANT None recorded.

**155. *Parahyalopeza bushi* Hardy & Drew**

DISTRIBUTION Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Helichrysum dendroideum</i>		M	breeds in flower heads

**156. *Paraspathulina apicomaculata* Hardy & Drew**

DISTRIBUTION Widespread throughout mainland Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Minuria integerrima</i>		V	breeds in flower heads
<i>Vittadinia gracilis</i>		V	breeds in flower heads
<i>Vittadinia</i> sp.		V	breeds in flower heads

**157. *Paraspathulina eremostigma* Hardy & Drew**

DISTRIBUTION Widespread throughout mainland Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Brachycome ciliaris</i>		M	breeds in flower heads
<i>Celmisia longifolia</i>		M	breeds in flower heads
<i>Helichrysum lacuminatum</i>		M	breeds in flower heads
<i>Leptorhyncos squamatus</i>		M	breeds in flower heads

**158. *Paroxyna infrequens* Hardy & Drew**

DISTRIBUTION Southern Queensland and New South Wales.  
HOST PLANT None recorded.

**159. *Paroxyna orientalis* (de Meijere)**

DISTRIBUTION Torres Strait islands and Cape York Peninsula, Queensland, as far south as Coen.  
HOST PLANT None recorded.

**160. *Peneparoxyna minuta* Hardy & Drew**

DISTRIBUTION Northern Territory and western New South Wales.  
HOST PLANT None recorded.

**161. *Platensina amplipennis* (Walker)**

DISTRIBUTION Eastern Queensland, as far south as Yeppoon.  
HOST PLANT None recorded but likely to be a species of Acanthaceae.

### 162. *Platensina parvipuncta* Malloch

DISTRIBUTION Known only from Cairns, northeast Queensland.  
HOST PLANT None recorded but likely to be a species of Acanthaceae.

### 163. *Platensina trimaculata* Hardy & Drew

DISTRIBUTION Northeast Queensland, from the Atherton Tableland to Townsville.  
HOST PLANT None recorded but likely to be a species of Acanthaceae.

### 164. *Platensina zodiacalis* (Bezzi)

DISTRIBUTION Northern Territory and northeast Queensland.  
HOST PLANT None recorded but likely to be a species of Acanthaceae.

### 165. *Procecidochaes utilis* Stone

COMMON NAME Crofton weed fly.  
DISTRIBUTION An introduced species, recorded from Queensland, New South Wales and South Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Agaratina adenophora</i>	Crofton weed	M	breeds in stem galls
<i>Senecio madagascariensis</i>		M	breeds in stem galls

### 166. *Quasicooronga connecta* Hardy & Drew

DISTRIBUTION Known only from Melbourne, Victoria.  
HOST PLANT None recorded.

### 167. *Quasicooronga disconnecta* Hardy & Drew

DISTRIBUTION Known only from West Wyalong, New South Wales.  
HOST PLANT None recorded.

### 168. *Rhabdochaeta pulchella* de Meijere

DISTRIBUTION Recorded only from Kuranda, northeast Queensland but probably more widespread.  
HOST PLANT None recorded.

### 169. *Rhabdochaeta queenslandica* Hardy & Drew

DISTRIBUTION Recorded from central and southeast Queensland.  
HOST PLANT None recorded.

### 170. *Rhabdochaeta wedelia* Hardy & Drew

DISTRIBUTION Torres Strait islands and eastern coastal Queensland, including islands of the Great Barrier Reef.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Wedelia</i> sp.		M	breeds in flower heads

**171. *Rhochmopterum venustum* (de Meijere)**

DISTRIBUTION Eastern Queensland and New South Wales.

HOST PLANT None recorded.

**172. *Spathulina acroleuca* (Schiner)**

DISTRIBUTION Widespread throughout Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Ageratum conyzoides</i>		M	breeds in flower heads
<i>Brachycome squamatus</i>		M	breeds in flower heads
<i>Helichrysum acuminatum</i>		M	breeds in flower heads
<i>Helichrysum scorpioides</i>		M	breeds in flower heads
<i>Leptorhyncos squamatus</i>		M	breeds in flower heads

**173. *Sphenella ruficeps* (Macquart)**

DISTRIBUTION Widespread throughout Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Senecio amygalifolius</i>		M	breeds in flower heads
<i>Senecio lautus</i>		M	breeds in flower heads
<i>Senecio lineatifolius</i>		V	breeds in flower heads
<i>Senecio madagascariensis</i>		M	breeds in flower heads
<i>Senecio quadridentatus</i>		V	breeds in flower heads

**174. *Tephritis brunnea* Hardy & Drew**

DISTRIBUTION Recorded from Australian Capital Territory and Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Senecio lautus</i>		M	breeds in flower heads
<i>Vittadinia triloba</i>		M	breeds in flower heads

**175. *Tephritis bushi* Hardy & Drew**

DISTRIBUTION New South Wales, Australian Capital Territory and Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Celmisia longifolia</i>		M	breeds in flower heads

**176. *Tephritis distigmata* Hardy & Drew**

DISTRIBUTION Southwest Western Australia.

HOST PLANT None recorded but collected on *Podotheca gnaphaloides* (Asteraceae) (Hardy and Drew 1996).

**177. *Tephritis furcata* Hardy & Drew**

DISTRIBUTION Southeast Queensland.  
 HOST PLANT None recorded.

**178. *Tephritis hesperia* Hardy & Drew**

DISTRIBUTION Southwest Western Australia.  
 HOST PLANT None recorded but collected on *Olearia axillaris* (Asteraceae) (Hardy and Drew 1996).

**179. *Tephritis pantosticta* Hardy & Drew**

DISTRIBUTION Southeast Queensland to Tasmania.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Calotis lappulacea</i>		M	breeds in flower heads
<i>Helichrysum diosmifolium</i>		M	breeds in flower heads

**180. *Tephritis pelia* Schiner**

DISTRIBUTION Widespread throughout Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Chrysocephalum apiculatum</i>		V	breeds in flower heads
<i>Podolepsis canescens</i>		M	collection record, not reared

**181. *Tephritis phaeostigma* Hardy & Drew**

DISTRIBUTION Southern Western Australia, South Australia and Victoria.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Olearia axillaris</i>		V	breeds in flower heads
<i>Olearia pimelioides</i>		M	breeds in flower heads

**182. *Tephritis poenia* (Walker)**

DISTRIBUTION Widespread throughout Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Centaurea</i> sp.		M	bred or collected from
<i>Chrysocephalum apiculatum</i>		V	breeds in flower heads
<i>Cotula</i> sp.		M	bred or collected from
<i>Helichrysum scorpioides</i>		V	breeds in flower heads
<i>Helipterum</i> sp.		M	bred or collected from
<i>Podolepsis</i> sp.		M	bred or collected from
<i>Podotheca</i> sp.		M	bred or collected from
<i>Waitzia</i> sp.		M	bred or collected from

### 183. *Tephritis prolixa* Hardy & Drew

DISTRIBUTION Western Australia, South Australia and southern Northern Territory.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Helichrysum apiculatum</i>		M	breeds in flower heads

### 184. *Tephritis protrusa* Hardy & Drew

DISTRIBUTION Northeast Queensland to northeast New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Helichrysum bracteatum</i>		M	breeds in flower heads
<i>Helichrysum rupicola</i>		M	breeds in flower heads

### 185. *Tephritis pumila* Hardy & Drew

DISTRIBUTION Widespread from southeast Queensland to southwest Western Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Calotis lappulacea</i>		M	breeds in flower heads
<i>Cassinia compacta</i>		M	breeds in flower heads
<i>Helichrysum diosmifolium</i>		M	breeds in flower heads
<i>Helipterum albicans</i>		M	breeds in flower heads
<i>Hypochoeris radicata</i>		M	breeds in flower heads
<i>Olearia lepidophylla</i>		M	breeds in flower heads
<i>Podolepsis longipedata</i>		M	breeds in flower heads
<i>Senecio amygdalifolius</i>		M	breeds in flower heads

### 186. *Tephritis quasiprolixa* Hardy & Drew

DISTRIBUTION New South Wales and South Australia.

HOST PLANT None recorded.

### 187. *Tephritis tasmaniae* Hardy & Drew

DISTRIBUTION Tasmania.

HOST PLANT None recorded.

### 188. *Tephritis trupanea* Hardy & Drew

DISTRIBUTION Southeast Queensland to southwest Western Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Celmisia longifolia</i>		M	breeds in flower heads
<i>Olearia pimelioides</i>		M	breeds in flower heads
<i>Podolepsis longipedata</i>		M	breeds in flower heads
<i>Podotheca gnaphaloides</i>		M	collection record, not reared

**189. *Tephritis* sp. A**

DISTRIBUTION Victoria.  
 HOST PLANT None recorded.

**190. *Trupanea amoena* (Frauenfeld)**

DISTRIBUTION Recorded from Northern Territory and northeast Queensland.  
 HOST PLANT None recorded from Australia but elsewhere bred from flower heads of various species of Asteraceae.

**191. *Trupanea bifida* Hardy & Drew**

DISTRIBUTION Known only from the Dorrigo area, New South Wales.  
 HOST PLANT None recorded.

**192. *Trupanea glauca* (Thomson)**

DISTRIBUTION Widespread throughout mainland Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Ageratum</i> sp.		M	breeds in flower heads
<i>Brachycome aculeata</i>		M	breeds in flower heads
<i>Helichrysum apiculatum</i>		M	breeds in flower heads
<i>Senecio</i> sp.		M	breeds in flower heads
<i>Vittadinia trilobata</i>		M	breeds in flower heads
<i>Wedelia</i> sp.		M	breeds in flower heads

**193. *Trupanea heronensis* Hardy & Drew**

DISTRIBUTION Recorded from eastern coastal Queensland at Mission Beach and islands of the Great Barrier Reef.  
 HOST PLANT None recorded.

**194. *Trupanea notata* Hardy & Drew**

DISTRIBUTION Coastal southeast Queensland and New South Wales.  
 HOST PLANT None recorded.

**195. *Trupanea prolata* Hardy & Drew**

DISTRIBUTION Southeast Queensland to southwest Western Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Calotis lappulacea</i>		M	breeds in flower heads
<i>Ixiolaena brevicompta</i>		M	breeds in flower heads
<i>Senecio amygdalifolius</i>		M	breeds in flower heads
<i>Senecio lautus</i>		M	breeds in flower heads
<i>Senecio madagascariensis</i>		M	breeds in flower heads
<i>Vittadinia triloba</i>		M	breeds in flower heads

### 196. *Trupanea pusilla* Hardy & Drew

DISTRIBUTION Known from Wrotham Park in Queensland and Millstream in Western Australia.  
HOST PLANT None recorded.

### 197. *Trupanea queenslandensis* Hardy & Drew

DISTRIBUTION Southeast Queensland, south from Yeppoon.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ASTERACEAE			
<i>Wedelia biflora</i>		W	breeds in stem galls, mainly on axillary buds on long shoots

### 198. *Trupanea* sp. A near *terryi* Hardy

DISTRIBUTION Dales Gorge, Western Australia.  
HOST PLANT None recorded.

### 199. *Trupanea* sp. B near *terryi* Hardy

DISTRIBUTION Moreton, Cape York Peninsula, Queensland.  
HOST PLANT None recorded.

### 200. *Trupanea* sp. C near *mutabilis* Hering

DISTRIBUTION Victoria.  
HOST PLANT None recorded.

SUBFAMILY	TRYPETINAE ADRAMINI (= EUPHRANTINI)
TRIBE	

### 201. *Adrama biseta* Malloch

DISTRIBUTION Northern Territory and northeast Queensland, as far south as Innisfail.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
LECYTHIDACEAE			
<i>Barringtonia acutangula</i>	freshwater mangrove	G,I,L	
<i>Barringtonia asiatica</i>	beach barringtonia	N	
<i>Barringtonia calyptata</i>	mango pine	N	
<i>Barringtonia racemosa</i>	muer	N	

### 202. *Adrama selecta* Walker

DISTRIBUTION Northeast Queensland, as far south as Townsville. A single record from the Northern Territory requires confirmation.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
FLACOURTIACEAE			
<i>Ryparosa javanica</i>		N	major host

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>LECYTHIDACEAE</b>			
<i>Barringtonia acutangula</i>	freshwater mangrove	L	confirmation required
<b>SAPINDACEAE</b>			
<i>Harpullia arborea</i>	Cooktown tulipwood	N	one specimen only
<b>SAPOTACEAE</b>			
<i>Planchonella obovoidea</i>	black ash	N	one specimen only
<b>THEACEAE</b>			
<i>Camellia sinensis</i>	tea	L	one record from seeds

### 203. *Coelotrypes circumscriptus* (Hering)

DISTRIBUTION Northern Territory and northeast Queensland, as far south as South Johnstone.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>CONVOLVULACEAE</b>			
<i>Ipomoea abrupta</i>		I,L	breeds in flower buds

### 204. *Euphranta athertonia* Permkam & Hancock

DISTRIBUTION Known only from Atherton, northeast Queensland.

HOST PLANT None recorded.

### 205. *Euphranta leichhardtiae* Permkam & Hancock

DISTRIBUTION Iron Range, Cape York Peninsula, Queensland to northeast New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>ANNONACEAE</b>			
<i>Rauwenhoffia leichhardtii</i>	acid drop vine	L	

### 206. *Euphranta lemniscata* Enderlein

DISTRIBUTION Northeast Queensland, as far south as Ayr.

HOST PLANT Recorded only as an unidentified native fruit but elsewhere bred from the fruit of *Stictocardia tiliifolia* (Convolvulaceae) (Permkam and Hancock 1995b).

### 207. *Euphranta linocierae* Hardy

DISTRIBUTION Eastern Queensland, from Iron Range, Cape York Peninsula, to Yeppoon.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>OLEACEAE</b>			
<i>Chionanthus ramiflorus</i>	native olive	A,L,N	

### 208. *Euphranta marina* Permkam & Hancock

DISTRIBUTION Coastal areas of Northern Territory, Torres Strait islands, Queensland and New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
<b>VERBENACEAE</b>			
<i>Avicennia marina</i> var. <i>australica</i>	mangrove	L	larvae mine cotyledons

**209. *Euphranta mediofusca* (Hering)**

DISTRIBUTION Recorded from the Iron Range area, Cape York Peninsula, Queensland.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
VERBENACEAE			
<i>Faradaya splendida</i>	October glory	L	

**210. *Euphranta meringae* Permkam & Hancock**

DISTRIBUTION Known only from the Cairns area, northeast Queensland.

HOST PLANT None recorded.

**211. *Euphranta minor* Hendel**

DISTRIBUTION Northern Territory and northeast Queensland, as far south as the Atherton Tableland.

HOST PLANT None recorded.

**212. *Euphranta mulgravea* Permkam & Hancock**

DISTRIBUTION Known only from the Cairns district, northeast Queensland.

HOST PLANT None recorded.

**213. *Euphranta numeralis* Permkam & Hancock**

DISTRIBUTION Known only from the Taree district, New South Wales.

HOST PLANT None recorded.

**214. *Euphranta ternaria* Permkam & Hancock**

DISTRIBUTION Iron Range area, Cape York Peninsula, Queensland.

HOST PLANT None recorded.

**215. *Euphranta variabilis* (Kertész)**

DISTRIBUTION Northeast Queensland, as far south as the Cairns area.

HOST PLANT None recorded.

**216. *Hardyadrama alyta* Permkam & Hancock**

DISTRIBUTION Coastal areas of northeast Queensland, from Iron Range to the Mossman area.

HOST PLANT None recorded.

**217. *Hardyadrama excoecariae* Lee**

DISTRIBUTION Coastal areas of northern Western Australia and eastern Queensland, as far south as Mackay.

HOST PLANT None recorded from Australia but elsewhere larvae feed on the developing seeds of *Excoecaria agallocha* (Euphorbiaceae).

**218. *Hardyadrama magister* (Lee)**

DISTRIBUTION Coastal areas of eastern Queensland; known from South Johnstone to Bundaberg.

HOST PLANT None recorded from Australia but elsewhere larvae feed on the developing seeds of *Excoecaria agallocha* (Euphorbiaceae).

### 219. *Hardyadrama presignis* (Hardy)

DISTRIBUTION Known from Warraber (Sue) I., Torres Strait.  
HOST PLANT None recorded.

### 220. *Ichneumonosoma consors* (Walker)

DISTRIBUTION Recorded from Moa (Banks) I., Torres Strait.  
HOST PLANT None recorded.

### 221. *Piestometopon distinctum* (Permkam & Hancock)

SYNONYM *Elleipsa distincta* Permkam & Hancock (Hancock 1996).  
DISTRIBUTION Southeast Queensland, south from Yeppoon.  
HOST PLANT None recorded.

### 222. *Piestometopon luteiceps* de Meijere

SYNONYM *Elleipsa quadrifasciata* Hardy (Hancock 1996)  
DISTRIBUTION Recorded from Saibai I., Torres Strait.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
EUPHORBIACEAE			
<i>Excoecaria agallocha</i>	blind-your-eyes tree	L	breeds in developing seeds

### 223. *Soita psiloides* Walker

DISTRIBUTION Northeast Queensland; known as far south as Silkwood, near Innisfail.  
HOST PLANT None recorded but a related species breeds in the stems of Asclepiadaceae (Kagesawa 1998).

TRIBE

PHYTALMIINI (= ACANTHONEVRINI)

### 224. *Acanthonevroides basalis* (Walker)

SYNONYM *Acanthonevroides bicolor* (Macquart) (Hancock 1998).  
DISTRIBUTION South Australia.  
HOST PLANT None recorded.

### 225. *Acanthonevroides jarvisi* (Tryon)

DISTRIBUTION Central and southeast Queensland, south from the Rockhampton area.  
HOST PLANT None recorded.

### 226. *Acanthonevroides mayi* Permkam & Hancock

DISTRIBUTION Central and southeast Queensland, south from the Rockhampton area.  
HOST PLANT None recorded.

### 227. *Acanthonevroides nigriventris* (Malloch)

DISTRIBUTION Southeast Queensland to Victoria.  
HOST PLANT None recorded but larvae probably feed beneath the bark of trees such as *Acacia* spp. (Permkam and Hancock 1995b).

**228. *Acanthonevroides variegatus* Permkam & Hancock**

DISTRIBUTION Known across central Australia, from Kalbarrie in Western Australia, Alice Springs area in the Northern Territory and Eidsvold in central Queensland.

HOST PLANT None recorded.

**229. *Aridonevra cunnamullae* Permkam & Hancock**

DISTRIBUTION Known only from Cunnamulla, southwest Queensland.

HOST PLANT None recorded.

**230. *Austronevra australina* (Hendel)**

DISTRIBUTION Northeast Queensland, from Cedar Bay (south of Cooktown) to Tully.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MELIACEAE			
<i>Dysoxylum gaudichaudianum</i>	ivory mahogany	L	breeds beneath bark of fallen logs

**231. *Austronevra bimaculata* Permkam & Hancock**

DISTRIBUTION Cape York Peninsula, Queensland, from Bamaga to Iron Range.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MELIACEAE			
<i>Dysoxylum gaudichaudianum</i>	ivory mahogany	L	breeds beneath bark of fallen logs

**232. *Austrorioxia acidiomorpha* (Hendel)**

DISTRIBUTION Eastern Australia, from the Windsor and Atherton Tablelands in northeast Queensland to Sydney, New South Wales.

HOST PLANT None recorded.

**233. *Clusiosoma (Clusiosoma) laterale* (Walker)**

DISTRIBUTION Known from the Iron Range area, Cape York Peninsula, Queensland.

HOST PLANT None recorded but likely to be the fruit of *Ficus* spp. (Moraceae).

**234. *Clusiosoma (Clusiosoma) macalpinei* Permkam & Hancock**

DISTRIBUTION Known only from Iron Range, Cape York Peninsula, Queensland.

HOST PLANT None recorded but likely to be the fruit of *Ficus* spp. (Moraceae).

**235. *Clusiosoma (Clusiosoma) semifusum* Malloch**

DISTRIBUTION Northern Territory and northeast Queensland from Cape York to the Ingham district.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MORACEAE			
<i>Ficus congesta</i>	red leaf fig	N	major host
<i>Ficus copiosa</i>	plentiful fig	N	occasional host
<i>Ficus hispida</i>	hairy fig	L,N	major host
<i>Ficus microcarpa</i>	small-fruited fig	L	confirmation required

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Ficus opposita</i>	fig	N	one specimen only
<i>Ficus septica</i>	septic fig	N	major host
<i>Ficus variegata</i>	variegated fig	N	one specimen only

### 236. *Clusiosoma (Paraclusiosoma) papuaense* Hardy

DISTRIBUTION Known from the Iron Range area, Cape York Peninsula, Queensland.

HOST PLANT None known but likely to be the fruit of *Ficus* spp. (Moraceae).

### 237. *Clusiosomina puncticeps* Malloch

DISTRIBUTION Eastern Australia, from Mackay, Queensland, to the Illawarra district, New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MORACEAE			
<i>Ficus coronata</i> (= <i>aspara</i> )	fig	L	confirmation required
<i>Ficus opposita</i>	fig	Q	one specimen only
<i>Ficus stephanocarpa</i>	sandpaper fig	A,L	major host

### 238. *Copiolepis colpopteris* Permkam & Hancock

DISTRIBUTION Iron Range, Cape York Peninsula, Queensland.

HOST PLANT None recorded.

### 239. *Dacopsis flava* (Edwards)

DISTRIBUTION Known from the Moreton area, Cape York Peninsula, Queensland.

HOST PLANT None recorded from Australia but elsewhere larvae feed in the thick, stringy green bark of newly fallen logs of *Dysoxylum gaudichaudianum* (Meliaceae) (Permkam and Hancock 1995b).

### 240. *Diplochorda australis* Permkam & Hancock

DISTRIBUTION Iron Range, Cape York Peninsula, Queensland.

HOST PLANT None recorded.

### 241. *Dirioxa pornia* (Walker)

COMMON NAME Island fruit fly.

SYNONYM *Dirioxa confusa* (Hardy) (Permkam and Hancock 1995b).

DISTRIBUTION Eastern Australia, from Iron Range, Cape York Peninsula, to southern New South Wales. Introduced to Perth, Western Australia.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ANACARDIACEAE			
<i>Mangifera indica</i>	mango	L,N	ripe or damaged fruit
ANNONACEAE			
<i>Annona glabra</i>	pond apple	N	ripe or damaged fruit
<i>Annona muricata</i>	soursop	N	ripe or damaged fruit
<i>Annona reticulata</i>	bullock's heart	N	ripe or damaged fruit
<i>Polyalthia michaelii</i>	china pine	N	ripe or damaged fruit
ARAUCARIACEAE			
<i>Araucaria cunninghamii</i>		L	breeds in fallen cones

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<b>CAPPARACEAE</b>			
<i>Capparis lucida</i>	coast caper	A	ripe or damaged fruit
<b>CARICACEAE</b>			
<i>Carica papaya</i>	pawpaw	N	ripe or damaged fruit
<b>CLUSIACEAE</b>			
<i>Garcinia warrenii</i>	native mangosteen	N	ripe or damaged fruit
<b>COMBRETACEAE</b>			
<i>Terminalia arenicola</i>	brown damson	N	ripe or damaged fruit
<i>Terminalia catappa</i>	Pacific almond	N	ripe or damaged fruit
<b>CUCURBITACEAE</b>			
<i>Cucumis sativus</i>	cucumber	N	ripe or damaged fruit
<b>EBENACEAE</b>			
<i>Diospyros digyna</i>	black sapote	N	ripe or damaged fruit
<i>Diospyros kaki</i>	persimmon	N	ripe or damaged fruit
<b>EUPHORBIACEAE</b>			
<i>Aleurites moluccana</i>	candle nut	N	ripe or damaged fruit
<b>FABACEAE</b>			
<i>Castanospermum australe</i>	black bean	L,N	ripe or damaged fruit
<i>Inga edulis</i>	ice cream bean	N	ripe or damaged fruit
<b>LAURACEAE</b>			
<i>Beilschmiedia tooram</i>	Tooram walnut	N	ripe or damaged fruit
<i>Endiandra compressa</i>	Queensland greenheart	L	ripe or damaged fruit
<i>Endiandra dielsiana</i>	candle walnut	N	ripe or damaged fruit
<i>Endiandra microneura</i>	Noah's walnut	N	ripe or damaged fruit
<i>Endiandra sankeyana</i>	Sankey's walnut	L	ripe or damaged fruit
<i>Persea americana</i>	avocado	L,N	ripe or damaged fruit
<b>LECYTHIDACEAE</b>			
<i>Barringtonia calyptrata</i>	mango pine	N	ripe or damaged fruit
<b>MORACEAE</b>			
<i>Ficus carica</i>	edible fig	N	ripe or damaged fruit
<i>Ficus copiosa</i>	plentiful fig	N	ripe or damaged fruit
<b>MUSACEAE</b>			
<i>Musa x paradisiaca</i>	banana	L,N	ripe or damaged fruit
<b>MYRTACEAE</b>			
<i>Acmena graveolens</i>	cassowary satinash	N	ripe or damaged fruit
<i>Acmena smithii</i>	lillypilly	L	ripe or damaged fruit
<i>Eugenia uniflora</i>	Brazilian cherry	L,N	ripe or damaged fruit
<i>Feijoa sellowiana</i>	feijoa	A,N	ripe or damaged fruit
<i>Psidium cattleianum</i>	cherry guava	L	ripe or damaged fruit
<i>Psidium cattleianum</i> var. <i>lucidum</i>	cherry guava	N	ripe or damaged fruit
<i>Psidium guajava</i>	guava	L,N	ripe or damaged fruit
<i>Syzygium aqueum</i>	water apple	N	ripe or damaged fruit
<i>Syzygium suborbiculare</i>	red bush apple	N	ripe or damaged fruit
<b>OLEACEAE</b>			
<i>Chionanthus ramiflorus</i>	native olive	N	ripe or damaged fruit
<b>OXALIDACEAE</b>			
<i>Averrhoa carambola</i>	carambola	N	ripe or damaged fruit
<b>PASSIFLORACEAE</b>			
<i>Passiflora edulis</i>	passionfruit	N	ripe or damaged fruit

HOST SPECIES CONTINUED	COMMON NAME	REFERENCE	COMMENTS
<i>Passiflora suberosa</i>	corky passionfruit	N	ripe or damaged fruit
<i>Passiflora subpeltata</i>	white passionfruit	L	ripe or damaged fruit
PROTEACEAE			
<i>Macadamia</i> sp	macadamia	L	ripe or damaged fruit
ROSACEAE			
<i>Cydonia oblonga</i>	quince	L	ripe or damaged fruit
<i>Malus sylvestris</i>	apple	L,N	ripe or damaged fruit
<i>Prunus persica</i>	peach	L,N	ripe or damaged fruit
<i>Prunus persica</i> var. <i>nucipersica</i>	nectarine	N	ripe or damaged fruit
<i>Pyrus communis</i>	pear	L,N	ripe or damaged fruit
RUBIACEAE			
<i>Nauclea orientalis</i>	Leichhardt tree	N	ripe or damaged fruit
RUTACEAE			
<i>Casimiroa edulis</i>	white sapote	L,N,Q	ripe or damaged fruit
<i>Citrus aurantifolia</i>	lime	N	ripe or damaged fruit
<i>Citrus aurantium</i>	Seville orange	N	ripe or damaged fruit
<i>Citrus grandis</i>	pummelo	L,N	ripe or damaged fruit
<i>Citrus jambhiri</i>	bush lemon	N	ripe or damaged fruit
<i>Citrus latifolia</i>		N	ripe or damaged fruit
<i>Citrus limetta</i>	sweet lemon	N	ripe or damaged fruit
<i>Citrus limon</i>	lemon	L,N	ripe or damaged fruit
<i>Citrus paradisi</i>	grapefruit	L,N	ripe or damaged fruit
<i>Citrus paradisi</i>	pink grapefruit	N	ripe or damaged fruit
<i>Citrus reticulata</i>	mandarin	L,N	ripe or damaged fruit
<i>Citrus reticulata</i>	tangerine	N	ripe or damaged fruit
<i>Citrus reticulata</i>	tangelo	N	ripe or damaged fruit
<i>Citrus sinensis</i>	orange	L,N	ripe or damaged fruit
<i>Fortunella japonica</i>	kumquat	N	ripe or damaged fruit
<i>Poncirus trifoliata</i>		L	ripe or damaged fruit
x <i>Citroncirus webberi</i>		L	ripe or damaged fruit
SAPINDACEAE			
<i>Castanospora alphanthii</i>	brown tamarind	N	ripe or damaged fruit
<i>Diploglottis bracteata</i>	Boonjee tamarind	N	ripe or damaged fruit
<i>Litchi chinensis</i>	litchi	U	ripe or damaged fruit
SAPOTACEAE			
<i>Amorphospermum antilogum</i>	brown pearwood	A	ripe or damaged fruit
<i>Chrysophyllum cainito</i>	star apple	L,N	ripe or damaged fruit
<i>Manilkara zapota</i>	sapodilla	N,Q	ripe or damaged fruit
<i>Niemeyera prunifera</i>	plum boxwood	L	ripe or damaged fruit
<i>Planchonella australis</i>	black apple	L	ripe or damaged fruit
<i>Planchonella macrocarpa</i>	big-leaf planchonella	N	ripe or damaged fruit
<i>Planchonella</i> sp.		A	ripe or damaged fruit
<i>Pouteria caimito</i>	abiu	N	ripe or damaged fruit
<i>Pouteria castanosperma</i>	yellow plum	L	ripe or damaged fruit
SOLANACEAE			
<i>Capsicum annuum</i>	capsicum	N	ripe or damaged fruit
<i>Capsicum annuum</i>	chilli	N	ripe or damaged fruit
<i>Cyphomandra betacea</i>	tamarillo	N	ripe or damaged fruit
<i>Solanum lycopersicum</i>	cherry tomato	N	ripe or damaged fruit
<i>Solanum melongena</i>	eggplant	N	ripe or damaged fruit
XANTHOPHYLLACEAE			
<i>Xanthophyllum fragrans</i>		N	ripe or damaged fruit

**242. *Lumirioxa araucariae* (Tryon)**

DISTRIBUTION Southeast Queensland and northeast New South Wales.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
ARAUCARIACEAE <i>Araucaria cunninghamii</i>		L	breeds beneath bark

**243. *Micronevrina apicalis* Permkam & Hancock**

DISTRIBUTION Southeast Queensland to central New South Wales.

HOST PLANT None recorded.

**244. *Micronevrina breviseta* Permkam & Hancock**

DISTRIBUTION Iron Range area, Cape York Peninsula, Queensland.

HOST PLANT None recorded.

**245. *Micronevrina gloriosa* Permkam & Hancock**

DISTRIBUTION Known only from Mt Glorious near Brisbane, southeast Queensland.

HOST PLANT None recorded.

**246. *Micronevrina hyalina* Permkam & Hancock**

DISTRIBUTION Southeast Queensland to Victoria.

HOST PLANT None recorded.

**247. *Micronevrina mediivitta* Permkam & Hancock**

DISTRIBUTION Southeast Queensland to central New South Wales.

HOST PLANT None recorded.

**248. *Micronevrina montana* Permkam & Hancock**

DISTRIBUTION Eastern Australia, from the Atherton Tableland in northeast Queensland to central New South Wales.

HOST PLANT None recorded.

**249. *Micronevrina setosa* Permkam & Hancock**

DISTRIBUTION Eastern Australia, from the Atherton Tableland in northeast Queensland to central New South Wales.

HOST PLANT None recorded.

**250. *Neothemara formosipennis* (Walker)**

DISTRIBUTION Northern Cape York Peninsula, Queensland.

HOST PLANT None recorded.

**251. *Paedohexacinia clusiosomopsis* Hardy**

DISTRIBUTION Known from a single record from Cape York, northern Queensland.

HOST PLANT None recorded.

**252. *Paedohexacinia flavithorax* Hardy**

DISTRIBUTION Northeast Queensland; known from the Atherton Tableland to Tully.  
 HOST PLANT None recorded.

**253. *Phytalmia mouldsi* McAlpine & Schneider**

DISTRIBUTION Iron Range, Cape York Peninsula, Queensland.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MELIACEAE			
<i>Dysoxylum gaudichaudianum</i>	ivory mahogany	L	breeds in decaying sapwood of fallen logs

**254. *Pseudacanthoneura sexguttata* (de Meijere)**

DISTRIBUTION Northeast Queensland, from Cape York to Tully.  
 HOST PLANT None recorded.

**255. *Rabaulia nigrotibia* Hering**

SYNONYM *Rabaulia fascifacies*, *sensu* Permkam & Hancock, not Malloch (Hancock *et al.* 1998).  
 DISTRIBUTION Northeast Queensland, south to the Innisfail district.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MORACEAE			
<i>Ficus benjamina</i>	weeping fig	N	occasional host
<i>Ficus copiosa</i>	plentiful fig	N	major host
<i>Ficus fraseri</i>	sandpaper fig	N	major host
<i>Ficus hispida</i>	hairy fig	N	occasional host
<i>Ficus leptoclada</i>	Atherton fig	N	major host
<i>Ficus opposita</i>	fig	N	major host
<i>Ficus variegata</i>	variegated fig	N	occasional host
<i>Ficus virgata</i>	fig	N	major host

**256. *Taeniorioxa quinaria* Permkam & Hancock**

DISTRIBUTION Southeast Queensland.  
 HOST PLANT None recorded.

**257. *Termitorioxa bicalcarata* (Hering)**

DISTRIBUTION Central and southeast Queensland. The type locality, Cape York in northern Queensland, may be an error.  
 HOST PLANT None recorded.

**258. *Termitorioxa cobourgensis* Hancock**

DISTRIBUTION Known only from the Cobourg Peninsula, Northern Territory.  
 HOST PLANT None recorded.

**259. *Termitorioxa exleyae* Permkam & Hancock**

DISTRIBUTION Northern Western Australia to northwest Queensland.  
 HOST PLANT None recorded.

### 260. *Termitorioxia inconnexa* Permkam & Hancock

DISTRIBUTION Southern Northern Territory.  
HOST PLANT None recorded.

### 261. *Termitorioxia laurae* Permkam & Hancock

DISTRIBUTION Northern Australia, from Western Australia to the Laura area of Cape York Peninsula in Queensland.  
HOST PLANT None recorded.

### 262. *Termitorioxia termitoxena* (Bezzi)

DISTRIBUTION Northern Australia, from Western Australia to the Ayr district, Queensland.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
FABACEAE			
<i>Delonix regia</i>	poinciana	L	oviposition record only (?bark)
UNDETERMINED TREE			
unidentified species		L	in termite galleries on tree trunks

### 263. *Termitorioxia testacea* (Hendel)

DISTRIBUTION Known from the Cape Tribulation to Cairns area, northeast Queensland.  
HOST PLANT None recorded.

### 264. *Trypanocentra nigrithorax* Malloch

DISTRIBUTION Northeast Queensland, as far south as Paluma.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
MORACEAE			
<i>Ficus copiosa</i>	plentiful fig	N	major host
<i>Ficus hispida</i>	hairy fig	N	occasional host
<i>Ficus variegata</i>	variegated fig	N	occasional host

TRIBE

RIVELLIOMIMINI

### 265. *Ornithoschema oculatum* de Meijere

DISTRIBUTION Known from Darwin and the Cobourg Peninsula, Northern Territory.  
HOST PLANT None recorded.

### 266. *Ornithoschema queenslandense* Permkam & Hancock

DISTRIBUTION Northeast Queensland, from Iron Range to the Cairns district.  
HOST PLANT None recorded.

**267. *Callistomyia horni* Hendel**

DISTRIBUTION Northern Territory and northeast Queensland, as far south as Ayr.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
RUTACEAE			
<i>Clausena brevistyla</i>	clausena	A	
<i>Glycosmis pentaphylla</i>		G,I	
<i>Glycosmis trifoliata</i>		I	
<i>Glycosmis</i> sp.		I	
<i>Micromelum minutum</i>	lime berry	I	

**268. *Epinettyra setosa* Permkam & Hancock**

DISTRIBUTION Northeast Queensland; known from Iron Range and the Atherton Tableland.

HOST PLANT None recorded.

**269. *Fusculudia unicuneata* (Hardy)**

DISTRIBUTION Northeast Queensland to central New South Wales.

HOST PLANT None recorded but elsewhere a related species has been bred from an unidentified berry (Hancock *et al.* 1998).**270. *Hemiristina pleomeles* Permkam & Hancock**

DISTRIBUTION Known from Melville I., Northern Territory and Stephen I., Torres Strait.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
AGAVACEAE			
<i>Pleomeles angustifolia</i>	native dracaena	L	

**271. *Philophylla australina* (Hardy)**

DISTRIBUTION Torres Strait islands and northeast Queensland, as far south as Cairns.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
VERBENACEAE			
<i>Premna nauseosa</i>		A	
<i>Premna serratifolia</i> (= <i>obtusifolia</i> )	coastal premna	L,N	

**272. *Philophylla erebia* (Hering)**

DISTRIBUTION Northeast Queensland to central New South Wales.

HOST PLANT None recorded.

### 273. *Philophylla fossata* (Fabricius)

DISTRIBUTION Northeast Queensland, as far south as the Cairns district.

HOST SPECIES	COMMON NAME	REFERENCE	COMMENTS
VERBENACEAE			
<i>Clerodendrum floribundum</i>		N	
var. <i>ovatum</i>			
<i>Clerodendrum longiflorum</i>	witches tongues	N	
var. <i>glabrum</i>			
<i>Clerodendrum traceyanum</i>	flowers-of-magic	N	
<i>Clerodendrum</i> sp.		N	

### 274. *Philophylla humeralis* (Hendel)

DISTRIBUTION Northeast Queensland; recorded from Dunk I. near Tully.

HOST PLANT None recorded but related species breed in the berries of Verbenaceae (Hancock 1995).

### 275. *Philophylla quadrata* (Malloch)

DISTRIBUTION Northern Territory and Iron Range, Cape York Peninsula, Queensland.

HOST PLANT None recorded.

### 276. *Vidalia dualis* Permkam & Hancock

DISTRIBUTION Northeast Queensland, from Iron Range to the Atherton Tableland.

HOST PLANT None recorded but elsewhere related species breed in berries of *Schefflera* spp. (Araliaceae) (Permkam and Hancock 1995b).

TRIBE	<b>XARNUTINI</b>
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### 277. *Xarnuta confusa* Malloch

DISTRIBUTION Northeast Queensland, as far south as the Ingham district.

HOST PLANT None recorded but elsewhere related species mine leaves or leaf veins of species of Annonaceae and Sapindaceae (Hennig 1953).

### 278. *Xarnuta cribralis* Hering

DISTRIBUTION Torres Strait islands and Cape York to Iron Range, northeast Queensland.

HOST PLANT None recorded but elsewhere related species mine leaves or leaf veins of species of Annonaceae and Sapindaceae (Hennig 1953).

**SECTION 3**

*acknowledgments  
& references*

# acknowledgments & references

## ACKNOWLEDGMENTS

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The distribution  
and host plants

*of* **fruit flies**

(DIPTERA: TEPHRITIDAE)

*in Australia*



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## THE DISTRIBUTION AND HOST PLANTS OF FRUIT FLIES IN AUSTRALIA

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Fruit flies are a major problem for Australian horticultural industries causing serious economic losses and trade restrictions which necessitate costly control and eradication treatments. Fruit fly species distribution and host plant preferences are highly significant issues for market access negotiations. Until now this information has been scattered in various publications dating back to the 1890's, and was not available in a single publication.

This book provides for the first time a detailed host list for all the fruit fly species (Tephritidae) known from Australia. It includes available distribution, male lure and host plant information for the 278 species currently recorded from Australia (including Torres Strait Islands but excluding Christmas and Cocos (Keeling) islands in the Indian Ocean). This total includes 269 described species plus nine undescribed species of Tephritinae.

Thirteen fruit fly specialists from throughout Australia collaborated with QDPI in the production of this book. It provides an invaluable reference source for anyone involved in fruit fly research, ecological studies, pre- and post-harvest control, regulation, quarantine and market access.

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