

# The Raffles Bulletin of Zoology

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## HOST PLANT RECORDS FOR FRUIT FLIES (DIPTERA: TEPHRITIDAE) IN SOUTH EAST ASIA



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**HOST PLANT RECORDS FOR FRUIT FLIES  
(DIPTERA: TEPHRITIDAE) IN SOUTHEAST ASIA**

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**ABSTRACT.** - Host plant records, derived largely from field studies in Thailand and Malaysia from 1986-1994, are provided for 131 species of Southeast Asian Tephritidae.

**KEY WORDS.** - Tephritidae, hosts, S.E. Asia

## INTRODUCTION

Fruit flies have long been recognized as important pests of fruit and vegetable crops throughout Asia, yet much confusion exists with regard to actual host ranges of many economically important species. The literature contains many erroneous or unconfirmed records, often as a result of misidentification of the fly species involved. With the recent, clear recognition of species complexes (e.g., the *Bactrocera dorsalis* complex: Drew & Hancock 1994a), it is apparent that many host records have been incorrectly attributed.

To determine more accurately the host preferences of Asian fruit flies, two major projects were undertaken with the support of the Australian Centre for International Agricultural Research (ACIAR), in association with the Governments of Malaysia and Thailand. Host fruit surveys were undertaken in Peninsular Malaysia from 1986-1988 (ACIAR Project 8343), and then expanded to include East Malaysia (Sabah and Sarawak) and Thailand from 1990-1994 (ACIAR Project 8919).

## MATERIAL AND METHODS

An extensive amount of field survey work was undertaken to achieve the results reported in this paper. In Malaysia, the research was led by Dr S. Vijayasegaran under ACIAR projects 8343 and 8919. In Thailand, the research was led by Mr. M. Jirasurat (DOA, Bangkok) and Drs. A. Chinajariyawong and S. Kritsaneepaiboon (Prince of Songkla University, Hat Yai) under ACIAR project 8919. All contributing researchers are listed as authors in alphabetical order.

Fruit samples collected in the field were transported in paper bags to laboratory rearing facilities, then placed in sealed cardboard boxes until larvae emerged and pupated. Pupae were placed in rearing cages and the resulting adults sent to Brisbane, Australia, for identification by R.A.I. Drew and D.L. Hancock. A total of 23,365 samples was collected, primarily from Thailand and Malaysia, but with some also from southern India, collected in 1992. Approximately 10% of these species were infested with fruit flies.

Seventy-nine identified species of Tephritidae plus several others that are as yet undescribed, were reared during the surveys. With the addition of reliable literature records from other Asian countries, particularly Japan, China, Taiwan and the Philippines, host records for 131 Asian species are now available.

The survey data is presented in three sections. Section 1 comprises a list of tephritid species with their recorded hosts, section 2 lists the same data by plant species with those tephritids recorded from them and section 3 comprises a list of plants sampled from which tephritids were not reared during the survey.

Botanical nomenclature used in this paper follows that of the Missouri Botanical Garden "w3TROPICOS" database and the USDA Agriculture Research Service "GRIN" database.

## RESULTS

Although questionable records based on a single specimen have been omitted, many "unusual" records are included, particularly in polyphagous or economically important species. Most unusual records, if not all, are likely to be the result of opportunistic attacks on fruit. Hence, a record of a particular tephritid attacking a certain plant does not necessarily mean that plant is a normal host.

Many previous records in literature are not actual rearing records, but are casual observations of a fly resting on a particular plant or fruit. Therefore, only records from unquestionable sources have been included herein. Any records that were deemed questionable by White & Elson-Harris (1992) and that could not be subsequently confirmed, have been excluded. Many records from Malaysia, listed by Yunus & Ho (1980) and summarized by Vijaysegaran (1991), are based on misidentifications of teneral specimens. Many Asian records previously listed for *B. dorsalis*, *B. occipitalis*, *B. pedestris* and *B. propinqua* refer to other species in the *dorsalis* complex (Drew & Hancock, 1994a).

**Section 1:** Tephritid species and their recorded hosts. Reared from fruit unless otherwise stated. (Number in brackets = number of samples from which fly species have been reared).

### DACINAE

*Bactrocera (Asiadacus) apicalis* (de Meijere)  
(formerly *Bactrocera (Asiadacus) modica* (Hardy))

#### CUCURBITACEAE

*Trichosanthes wawraei* (3) flowers

*Bactrocera (Asiadacus) maculifacies* (Hardy)

#### CELASTRACEAE

*Siphonodon celastrineus* (2)

*Bactrocera (Bactrocera) albistrigata* (de Meijere)

#### ANACARDIACEAE

*Mangifera indica* (2)

#### APOCYNACEAE

*Neisosperma oppositifolium* (Ranganath & Veenakumari, 1995)

#### COMBRETACEAE

*Terminalia catappa* (92)

*Terminalia procera* (Ranganath & Veenakumari, 1995)

#### MORACEAE

*Artocarpus heterophyllus* (2)

#### MYRTACEAE

*Psidium guajava* (2; Ranganath & Veenakumari, 1995)

*Syzygium aqueum* (White & Elson-Harris, 1992; Yong, 1994a)

*Syzygium malaccense* (7)

*Syzygium samarangense* (31)

#### SAPOTACEAE

*Mimusops elengi* (1)

#### VERBENACEAE

*Gmelina elliptica* (1)

***Bactrocera (Bactrocera) arecae* (Hardy & Adachi)**

ARECACEAE

- Areca catechu* (22)
- Areca triandra* (1)
- Veitchia merrillii* (1)

***Bactrocera (Bactrocera) atrifemur* Drew & Hancock**

MYRISTICACEAE

- Myristica fragrans* (1)

***Bactrocera (Bactrocera) carambolae* Drew & Hancock**

ALANGIACEAE

- Alangium griffithii* (1)

ANACARDIACEAE

- Bouea oppositifolia* (2)
- Mangifera indica* (7)

ANNONACEAE

- Annona montana* (2)
- Annona muricata* (Yong, 1994a)
- Rollinia pulchrinervis* (1)
- Uvaria grandiflora* (1)

APOCYNACEAE

- Thevetia peruviana* (1; Yong, 1994a)

ARECACEAE

- Arenga pinnata* (Yong, 1994a)

CLUSIACEAE

- Garcinia atroviridis* (1)
- Garcinia cowa* (3)
- Garcinia griffithii* (1)
- Garcinia mangostana* (1)

COMBRETACEAE

- Terminalia catappa* (16)
- Terminalia manii* (Ranganath & Veenakumari, 1995)
- Terminalia procera* (Ranganath & Veenakumari, 1995)

EUPHORBIACEAE

- Baccaurea motleyana* (1)
- Drypetes longifolia* (Ranganath & Veenakumari, 1995)

LAURACEAE

- Persea americana* (2)

LOGANIACEAE

- Fagraea ceilanica* (5)

MELIACEAE

- Aglaia dookoo* (3)
- Lansium domesticum* (1)
- Sandoricum koetjape* (2)

MORACEAE

- Artocarpus altilis* (1)
- Artocarpus comeziana* (Ranganath & Veenakumari, 1995)
- Artocarpus elastica* (1)
- Artocarpus heterophyllus* (6)
- Artocarpus integer* (4)
- Artocarpus lakoocha* (3)
- Artocarpus odoratissimus* (1)
- Artocarpus rigidus* var. *asperulus* (1)
- Ficus grossularioides* (1)
- Ficus hispida* (1)
- Pouroma paefolia* (1)

MYRISTICACEAE

*Knema angustifolia* (1)

MYRTACEAE

*Eugenia uniflora* (Yong, 1994a)

*Psidium cattleianum* (2)

*Psidium guajava* (179)

*Rhodomyrtus tomentosa* (1)

*Syzygium aqueum* (15)

*Syzygium grande* (2)

*Syzygium jambos* (6)

*Syzygium malaccense* (17)

*Syzygium samarangense* (39)

OLACACEAE

*Ochanostachys amentosa* (1)

OXALIDACEAE

*Averrhoa bilimbi* (5)

*Averrhoa carambola* (139)

POLYGALACEAE

*Xanthophyllum amoenum* (2)

PUNICACEAE

*Punica granatum* (1)

RHAMNACEAE

*Ziziphus jujuba* (1)

RHIZOPHORACEAE

*Pellacalyx saccardianus* (1)

*Rhizophora* sp. (1)

RUTACEAE

x *Citrofortunella mitis* (1)

*Citrus aurantifolia* (1)

*Citrus limon* (2)

*Citrus madurensis* (Yong, 1994a)

*Citrus paradisi* (Yong, 1994a)

*Citrus reticulata* (1)

*Fortunella margarita* (Yong, 1994a)

*Fortunella polyandria* (1; Yong, 1994a)

*Paramignya andamanica* (Ranganath & Veenakumari, 1995)

*Tetractomia majus* (1)

*Triphasia trifolia* (Yong, 1994a)

SAPINDACEAE

*Lepisanthes alata* (Yong, 1994a)

SAPOTACEAE

*Chrysophyllum cainito* (1)

*Manilkara littoralis* (Ranganath & Veenakumari, 1995)

*Manilkara zapota* (16)

*Mimusops elengi* (Ranganath & Veenakumari, 1995)

*Planchonella longipetiolatum* (Ranganath & Veenakumari, 1995)

*Pouteria campechiana* (1)

SIMAROUBACEAE

*Irvingia malayana* (1; Ranganath & Veenakumari, 1995)

SOLANACEAE

*Capsicum annuum* (1)

*Lycopersicon esculentum* (1)

*Solanum ferox* (1)

SYMPLOCACEAE

*Symplocos cochinchinensis* (1)

A record from banana (*Musa x paradisiaca*) (White & Elson Harris, 1992) is based on a misidentification of *B. papayae*. Cashew (*Anacardium occidentale*), sweet orange (*Citrus sinensis*) and West Indian cherry (*Malpighia emarginata*) have been recorded as hosts in Surinam, the first two receiving only incidental infestations.

***Bactrocera (Bactrocera) caryeae* (Kapoor)**

ANACARDIACEAE

*Mangifera indica* (Drew & Hancock, 1994a)

LECYTHIDACEAE

*Careya arborea* (White & Elson-Harris, 1992)

MALPIGHIACEAE

*Malpighia emarginata* (1)

MYRTACEAE

*Psidium guajava* (Drew & Hancock, 1994a)

RUTACEAE

*Aegle marmelos* (1)

*Citrus grandis* (1)

*Citrus tangerina* (Drew & Hancock, 1994a)

SAPOTACEAE

*Pouteria sapote* (1)

***Bactrocera (Bactrocera) correcta* (Bezzi)**

ANACARDIACEAE

*Anacardium occidentale* (12)

*Bouea macrophylla* (1)

*Bouea oppositifolia* (1)

*Mangifera indica* (15)

*Spondias cytherea* (2)

*Spondias pinnata* (1)

ANNONACEAE

*Polyalthia longifolia* (1)

APOCYNACEAE

*Carissa carandas* (2)

ARECACEAE

*Areca catechu* (1)

CACTACEAE

*Opuntia vulgaris* (2)

CAPPARACEAE

*Capparis sepiaria* (4)

*Capparis thorellii* (1)

*Maerua siamensis* (2)

CARICACEAE

*Carica papaya* (1)

COMBRETACEAE

*Terminalia catappa* (46)

CUCURBITACEAE

*Coccinia grandis* (1)

*Cucumis melo* (1)

DIPTEROCARPACEAE

*Dipterocarpus obtusifolius* (1)

ELAEOCARPACEAE

*Elaeocarpus madopetalus* (2)

*Muntingia calabura* (30)

EUPHORBIACEAE

*Baccaurea racemosa* (1)

*Phyllanthus acidus* (2)

*Securinea virosa* (1)

FLACOURTIACEAE

*Flacourtia indica* (8)

*Flacourtia jangomas* (2)

LECYTHIDACEAE

*Careya arborea* (5)

*Careya sphaerica* (2)



MALPIGHIACEAE

*Malpighia emarginata* (2)

MELIACEAE

*Sandoricum koetjape* (4)

*Walsura intermedia* (2)

MORACEAE

*Artocarpus integer* (1)

MUSACEAE

*Musa x paradisiaca* (3)

MYRISTICACEAE

*Knema angustifolia* (1)

MYRTACEAE

*Eugenia paniala* (8)

*Eugenia pseudosubtilis* (1)

*Psidium guajava* (63)

*Syzygium aqueum* (4)

*Syzygium cumini* (2)

*Syzygium jambos* (4)

*Syzygium malaccense* (1)

*Syzygium samarangense* (64)

OLACACEAE

*Olax scandens* (10)

*Schoepfia fragrans* (1)

OXALIDACEAE

*Averrhoa carambola* (11)

RHAMNACEAE

*Ziziphus jujuba* (105)

*Ziziphus mauritiana* (5)

*Ziziphus oenoplia* (10)

*Ziziphus rotundifolia* (13)

ROSACEAE

*Prunus avium* (1)

*Prunus cerasus* (4)

*Prunus persica* (White & Elson-Harris, 1992)

RUTACEAE

*Citrus grandis* (1)

*Citrus reticulata* (7)

SAPINDACEAE

*Dimocarpus longan* (2)

*Lepisanthes fruticosa* (1)

SAPOTACEAE

*Manilkara zapota* (19)

*Mimusops elengi* (10)

SIMAROUBACEAE

*Irvingia malayana* (2)

***Bactrocera (Bactrocera) dorsalis* (Hendel)**

ALANGIACEAE

*Alangium chinense* (2)

*Alangium salviifolium* (3)

ANACARDIACEAE

*Anacardium occidentale* (22)

*Bouea macrophylla* (1)

*Bouea oppositifolia* (6)

*Mangifera caloneura* (2)

*Mangifera foetida* (1)

*Mangifera indica* (66)

*Mangifera longipetiolata* (2)

*Spondias cytherea* (2)

*Spondias pinnata* (4)

ANNONACEAE

- Annona reticulata* (1)
- Annona squamosa* (9)
- Mitrephora maingayi* (1)
- Polyalthia longifolia* (1)
- Polyalthia simiarum* (1)
- Uvaria macrophylla* (1)

APOCYNACEAE

- Carissa cochinchinensis* (1)

ARECACEAE

- Areca catechu* (5)

BURSERACEAE

- Garuga floribunda* (1)

CAPPARACEAE

- Capparis sepiaria* (2)

CAPRIFOLIACEAE

- Sambucus javanica* (1)

CARICACEAE

- Carica papaya* (15)

CELASTRACEAE

- Siphonodon* sp. (2)

CHRYSOBALANACEAE

- Parinari anamense* (4)

CLUSIACEAE

- Garcinia cowa* (1)
- Garcinia speciosa* (5)
- Garcinia xanthochymus* (2)
- Mammea siamensis* (2)

COMBRETACEAE

- Terminalia catappa* (87)

CONVOLVULACEAE

- Erycibe subspicata* (1)
- Merremia vitifolia* (1)

CUCURBITACEAE

- Coccinia grandis* (2)
- Cucumis melo* (1)
- Cucumis sativus* (1)
- Melothria wallichii* (1)
- Momordica charantia* (2)
- Trichosanthes ovigera* (1)

EBENACEAE

- Diospyros castanea* (1)
- Diospyros glandulosa* (1)
- Diospyros kaki* (4)
- Diospyros mollis* (3)

ELAEOCARPACEAE

- Elaeocarpus hygrophilus* (1)
- Elaeocarpus madopetalus* (2)
- Muntingia calabura* (16)

EUPHORBIACEAE

- Aporusa villosa* (1)
- Baccaurea racemosa* (1)
- Baccaurea ramiflora* (4)
- Bridelia stipularis* (1)
- Sapium baccatum* (3)
- Securinega virosa* (1)

FABACEAE

- Afzelia xylocarpa* (2)
- Parkia speciosa* (2)

FLACOURTIACEAE

*Flacourtia indica* (4)

LAURACEAE

*Litsea salicifolia* (1)

LECYTHIDACEAE

*Careya arborea* (1)

*Careya sphaerica* (2)

MALPIGHIACEAE

*Malpighia emarginata* (3)

MELIACEAE

*Chukrasia venlutina* (1)

*Lansium domesticum* (1)

*Sandoricum koetjape* (20)

*Walsura intermedia* (6)

MORACEAE

*Artocarpus altilis* (1)

*Artocarpus heterophyllus* (4)

*Artocarpus lanceifolius* (2)

*Artocarpus lanceolatus* (5)

*Ficus fistulosa* (1)

*Ficus hirta* (1)

*Ficus racemosa* (1)

*Maclura cochinchinensis* (1)

MUSACEAE

*Musa acuminata* (6)

*Musa x paradisiaca* (7)

MYRTACEAE

*Eugenia megacarpa* (1)

*Eugenia paniala* (12)

*Eugenia pseudosubtilis* (1)

*Psidium guajava* (114)

*Psidium guajava* var. *cujavillum* (2)

*Syzygium aqueum* (3)

*Syzygium cumini* (3)

*Syzygium jambos* (5)

*Syzygium malaccense* (4)

*Syzygium samarangense* (70)

OLACACEAE

*Olax scandens* (3)

*Schoepfia fragrans* (2)

OLEACEAE

*Myxopyrum smilacifolium* (2)

OXALIDACEAE

*Averrhoa carambola* (45)

POLYGALACEAE

*Xanthophyllum flavescens* (4)

RHAMNACEAE

*Ziziphus jujuba* (62)

*Ziziphus mauritiana* (2)

*Ziziphus oenoplia* (13)

*Ziziphus rotundifolia* (6)

ROSACEAE

*Malus pumila* (3)

*Prunus avium* (1)

*Prunus cerasoides* (1)

*Prunus cerasus* (1)

*Prunus domestica* (1)

*Prunus mume* (1)

*Prunus persica* (12)

*Pyrus pyrifolia* (4)

RUBIACEAE

*Coffea arabica* (4)

RUTACEAE

*Aegle marmelos* (3)

*Citrus aurantifolia* (1)

*Citrus grandis* (2)

*Citrus reticulata* (18)

SAPINDACEAE

*Dimocarpus longan* (10)

*Lepisanthes fruticosa* (1)

*Lepisanthes tetraphylla* (3)

*Litchi chinensis* (2)

*Nephelium lappaceum* (1)

SAPOTACEAE

*Chrysophyllum cainito* (5)

*Manilkara zapota* (19)

*Mimusops elengi* (7)

*Palaquium* sp. (2)

*Planchonella* sp. (1)

SIMAROUBACEAE

*Irvingia malayana* (8)

SOLANACEAE

*Capsicum annuum* (4)

*Solanum trilobatum* (2)

***Bactrocera (Bactrocera) dorsaloides* (Hardy & Adachi)**

SAPOTACEAE

*Pouteria duklitan* (Drew & Hancock, 1994a)

*Pouteria macranthum* (Drew & Hancock, 1994a)

***Bactrocera (Bactrocera) hyalina* (Shiraki)**

LAURACEAE

*Cinnamomum camphora* (Ito, 1983)

*Cinnamomum insulari-montanum* (Ito, 1983)

*Litsea verticillata* (Liang et al., 1993)

*Persea thunbergii* (Ito, 1983)

*Phoebe lanceolata* (1)

***Bactrocera (Bactrocera) irvingiae* Drew & Hancock**

MELIACEAE

*Sandoricum koetjape* (5)

MORACEAE

*Artocarpus heterophyllus* (2)

SIMAROUBACEAE

*Irvingia malayana* (9)

***Bactrocera (Bactrocera) kanchanaburi* Drew & Hancock**

ANNONACEAE

*Artabotrys siamensis* (1)

*Goniothalamus gigantifolius* (1)

***Bactrocera (Bactrocera) kandiensis* Drew & Hancock**

ANACARDIACEAE

*Mangifera indica* (Drew & Hancock, 1994a)

CLUSIACEAE

*Garcinia* sp. (Drew & Hancock, 1994a)

***Bactrocera (Bactrocera) kinabalu* Drew & Hancock**

MELASTOMATACEAE

*Melastoma* sp. (2) flowers

***Bactrocera (Bactrocera) lata* (Perkins)**

BURSERACEAE

*Canarium odontophyllum* (1)

***Bactrocera (Bactrocera) latifrons* (Hendel)**

LYTHRACEAE

*Lagerstroemia indica* (1)

MYRTACEAE

*Psidium guajava* (1)

OLEACEAE

*Linociera parkinsoni* (6)

*Linociera xanthocarpum* (1)

PASSIFLORACEAE

*Passiflora foetida* (2)

PUNICACEAE

*Punica granatum* (1)

RHAMNACEAE

*Ziziphus rotundifolia* (1)

RUTACEAE

*Citrus aurantifolia* (1)

*Murraya paniculata* (1)

SAPINDACEAE

*Sapindus rarak* (1)

SOLANACEAE

*Capsicum anuum* (123)

*Lycianthes macrodon* (6)

*Lycopersicon esculentum* (4)

*Solanum aculeatissimum* (197)

*Solanum anguivi* (8)

*Solanum donianum* (Hardy 1973)

*Solanum granuloso-leprosum* (2)

*Solanum incanum* (41)

*Solanum mammosum* (1)

*Solanum melongena* (89)

*Solanum nigrum* (8)

*Solanum sanitwongsei* (30)

*Solanum sarmentosum* (Hardy, 1973)

*Solanum sisymbriifolium* (White & Elson-Harris, 1992)

*Solanum stramoniiifolium* (1)

*Solanum torvum* (145)

*Solanum trilobatum* (42)

VERBENACEAE

*Gmelina philippensis* (1)

A record from *Baccaurea motleyana* (Hardy 1973) requires confirmation; that from *Malus domestica* (White & Elson-Harris 1992) is based on a contaminated sample.

***Bactrocera (Bactrocera) limbifera* (Bezzi)**

ANACARDIACEAE

*Dracontomelon dao* (Hardy, 1974; Ranganath & Veenakumari, 1995)

MELIACEAE

*Aglaia* sp. (2)

***Bactrocera (Bactrocera) melastomatos* Drew & Hancock**

MELASTOMATACEAE

*Melastoma malabathrica* (52) flowers

*Melastoma sanguineum* (6) flowers

***Bactrocera (Bactrocera) nigrotibialis* (Perkins)**

MYRTACEAE

*Psidium guajava* (1)

A record from robusta coffee (*Coffea canephora*) (White & Elson-Harris, 1992) requires confirmation of the fly's identity. *Bactrocera nigrotibialis* has also been reared from an unidentified wild host.

***Bactrocera (Bactrocera) occipitalis* (Bezzi)**

ANACARDIACEAE

*Mangifera indica* (Drew & Hancock, 1994a)

MYRTACEAE

*Psidium guajava* (Drew & Hancock, 1994a)

RUTACEAE

*Citrus microcarpa* (1)

***Bactrocera (Bactrocera) osbeckiae* Drew & Hancock**

MELASTOMATACEAE

*Melastoma affiae* (1) flowers

*Melastoma normale* (12) flowers

*Melastoma polyanthum* (12) flowers

*Melastoma villosa* (4) flowers

*Memecylon plebejum* (1) flowers

*Osbeckia stellata* (8) flowers

***Bactrocera (Bactrocera) papayae* Drew & Hancock**

AMARYLLIDACEAE

*Crinum asiaticum* (1)

ANACARDIACEAE

*Anacardium occidentale* (68)

*Bouea macrophylla* (1)

*Bouea oppositifolia* (5)

*Holigarna kurzii* (3)

*Mangifera caesia* (3)

*Mangifera caloneura* (2)

*Mangifera foetida* (19)

*Mangifera griffithii* (1)

*Mangifera indica* (74)

*Mangifera laurina* (2)

*Mangifera odorata* (3)

*Mangifera pajang* (2)

*Spondias cytherea* (19)

ANNONACEAE

*Annona glabra* (1)

*Annona monstana* (7)

*Annona muricata* (19)

*Annona reticulata* (3)

*Annona squamosa* (16)

*Artabotrys siamensis* (38)

*Desmos chinensis* (2)

*Polyalthia longifolia* (2)

- Rollinia pulchrinervis* (3)  
*Uvaria grandiflora* (5)
- APOCYNACEAE  
*Carissa carandas* (8)  
*Thevetia peruviana* (13)  
*Willughbeia cochinchinensis* (1)
- ARECACEAE  
*Areca catechu* (2)  
*Arenga pinnata* (Drew & Hancock, 1994a; Yong, 1994a)  
*Arenga westerhoutii* (2)  
*Borassus flabellifer* (2)  
*Caryota mitis* (1)  
*Veitchia merrillii* (1)
- BORAGINACEAE  
*Cordia dentata* (1)  
*Ehretia microphylla* (1)
- BURSERACEAE  
*Canarium* sp. (1)
- CACTACEAE  
*Pereskia grandiflora* (1)
- CARICACEAE  
*Carica papaya* (129)
- CLUSIACEAE  
*Calophyllum inophyllum* (4)  
*Garcinia atroviridis* (1)  
*Garcinia dulcis* (7)  
*Garcinia griffithii* (1)  
*Garcinia hombroniana* (12)  
*Garcinia mangostana* (3)  
*Garcinia parvifolia* (2)  
*Garcinia prairiana* (1)  
*Mammea siamensis* (3)
- COMBRETACEAE  
*Terminalia catappa* (266)  
*Terminalia citrina* (1)
- CUCURBITACEAE  
*Coccinia grandis* (12)  
*Cucumis sativus* (2)  
*Gymnopetalum integrifolium* (1)  
*Momordica charantia* (5)
- DILLENACEAE  
*Dillenia obovata* (2)
- EBENACEAE  
*Diospyros areolata* (1)  
*Diospyros diepenhorstii* (2)  
*Diospyros blancoi* (3)  
*Diospyros melabarica* (7)  
*Diospyros philippensis* (5)
- ELAEOCARPACEAE  
*Muntingia calabura* (17)
- EUPHORBIACEAE  
*Antidesma ghaesembilla* (1)  
*Baccaurea motleyana* (2)  
*Breynia reclinata* (2)  
*Excoecaria agallocha* (2)  
*Glochidion littorale* (1)  
*Sapium baccatum* (1)  
*Sapium indicum* (1)  
*Sauropus androgynus* (6)

FAGACEAE

*Castanopsis* sp. (1)

FLACOURTIACEAE

*Dovyalis hebecarpa* (1)

*Flacourtia rukam* (2)

FLAGELLARIACEAE

*Hanguana malayana* (1)

LAURACEAE

*Lindera oxyphylla* (1)

*Litsea glutinosa* (1)

*Persea americana* (1)

LECYTHIDACEAE

*Careya sphaerica* (1)

LEGUMINOSAE

*Adenathera pavonina* (1)

*Parkia speciosa* (1)

*Phaseolus vulgaris* (1)

LOGANIACEAE

*Fagraea ceilanica* (2)

MALPIGHIACEAE

*Malpighia emarginata* (11)

MELIACEAE

*Aglaiia domestica* (5)

*Aglaiia dookoo* (6)

*Azadirachta excelsa* (6)

*Lansium domesticum* (3)

*Sandoricum koetjape* (65)

MENISPERMACEAE

*Fibraurea tinctoria* (1)

MORACEAE

*Artocarpus altilis* (17)

*Artocarpus elastica* (3)

*Artocarpus heterophyllus* (13)

*Artocarpus integer* (14)

*Artocarpus lakoocha* (4)

*Artocarpus odoratissimus* (1)

*Artocarpus rigidus* var. *asperulus* (13)

*Artocarpus sericicarpus* (2)

*Ficus benjamini* (2)

*Ficus chartacea* (1)

*Ficus concatian* (1)

*Ficus eligodon* (1)

*Ficus hispida* (4)

*Ficus microcarpa* (1)

*Ficus obpyramidiata* (1)

*Ficus religiosa* (1)

*Morus alba* (3)

*Morus nigra* (1)

*Streblus asper* (1)

MUSACEAE

*Musa acuminata* (2)

*Musa balbisiana* (2)

*Musa x paradisiaca* (161)

MYRISTICACEAE

*Horsfieldia subglobosa* (1)

*Knema globularia* (34)

*Knema missionis* (1)

MYRSINACEAE

*Ardisia crenata* (1)



MYRTACEAE

- Eugenia formosana* (1)
- Eugenia longiflora* (1)
- Eugenia mitchellii* (1)
- Eugenia pseudosubtilis* (2)
- Eugenia uniflora* (1; Yong 1994a)
- Psidium cattleianum* (2)
- Psidium guajava* (567)
- Rhodomyrtus tomentosa* (5)
- Syzygium aqueum* (12)
- Syzygium grande* (5)
- Syzygium jambos* (10)
- Syzygium malaccense* (26)
- Syzygium samarangense* (162)

OLEACEAE

- Linociera parkinsoni* (2)

OXALIDACEAE

- Averrhoa bilimbi* (4)
- Averrhoa carambola* (289)

PASSIFLORACEAE

- Passiflora edulis* (31)
- Passiflora foetida* (9)
- Passiflora quadrangularis* (1)

PUNICACEAE

- Punica granatum* (1)

RHAMNACEAE

- Ziziphus jujuba* (2)
- Ziziphus mauritiana* (120)
- Ziziphus oenoplia* (5)

RHIZOPHORACEAE

- Rhizophora* sp. (1)

ROSACEAE

- Eriobotrya japonica* (1)
- Prunus persica* (1)

RUBIACEAE

- Anthocephalus chinensis* (30)
- Coffea canephora* (1)
- Ixora javanica* (5)
- Ixora macrothyrsa* (2)
- Morinda citrifolia* (4)
- Morinda coreia* (1)
- Morinda elliptica* (2)
- Morinda umbellata* (1)
- Nauclea orientalis* (7)
- Ochreinauclea maingayi* (2)

RUTACEAE

- x *Citrofortunella mitis* (20)
- Citrus aurantifolia* (9)
- Citrus grandis* (15)
- Citrus hystrix* (8)
- Citrus limon* (4)
- Citrus madurensis* (Yong, 1994a)
- Citrus paradisi* (Yong, 1994a)
- Citrus reticulata* (18)
- Citrus sinensis* (1)
- Clausena lansium* (1)
- Fortunella margarita* (Yong, 1994a)
- Fortunella polyandria* (Yong, 1994a)
- Glycosmis pentaphylla* (2)
- Murraya paniculata* (21)
- Triphasia trifolia* (Yong, 1994a)

SAPINDACEAE

- Lepisanthes alata* (Yong, 1994a)
- Lepisanthes rubiginosa* (2)
- Nephelium eriopetalum* (1)
- Nephelium lappaceum* (20)

SAPOTACEAE

- Chrysophyllum cainito* (9)
- Manilkara zapota* (89)
- Mimusops elengi* (7)
- Palaquium maingayi* (1)
- Pouteria caimito* (1)

SIMAROUBACEAE

- Irvingia malayana* (1)

SOLANACEAE

- Capsicum annuum* (19)
- Lycopersicon esculentum* (1)
- Physalis minima* (2)
- Solanum aculeatissimum* (18)
- Solanum ferox* (1)
- Solanum granuloso-leprosum* (6)
- Solanum incanum* (1)
- Solanum melongena* (7)
- Solanum stramonifolium* (5)
- Solanum torvum* (10)

STERCULIACEAE

- Theobroma cacao* (1)

TILIACEAE

- Grewia paniculata* (2)

ULMACEAE

- Celtis tetrandia* (4)

VERBENACEAE

- Callicarpa longifolia* (1)
- Gmelina elliptica* (2)
- Gmelina philippensis* (5)
- Premna serratifolia* (1)

VITACEAE

- Cissus repens* (1)

ZINGIBERACEAE

- Alpinia mutica* (2)

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

ANACARDIACEAE

- Mangifera indica* (Drew & Hancock, 1994a)

CARICACEAE

- Carica papaya* (Drew & Hancock, 1994a)

MORACEAE

- Artocarpus altilis* (Drew & Hancock, 1994a)

MYRTACEAE

- Syzygium malaccense* (Drew & Hancock, 1994a)

SAPOTACEAE

- Pouteria duklitan* (Drew & Hancock, 1994a)

***Bactrocera (Bactrocera) propinqua* (Hardy & Adachi)**

CLUSIACEAE

- Garcinia atroviridis* (2)
- Garcinia bancana* (Drew & Hancock, 1994a)
- Garcinia cambogia* (1)
- Garcinia costata* (1)
- Garcinia cowa* (7)

- Garcinia forbesii* (1)
- Garcinia schomburgiana* (4)
- Garcinia xanthochymus* (1)

Notes on the biology of *B. propinqua* were provided by Yong (1992).

***Bactrocera (Bactrocera) pyrifoliae* Drew & Hancock**

ARALIACEAE

- Macropanax concinnum* (1)

EUPHORBIACEAE

- Baccaurea ramiflora* (1)

MYRTACEAE

- Psidium guajava* (1)

POLYGALACEAE

- Xanthophyllum flavescens* (1)

ROSACEAE

- Prunus cerasoides* (3)
- Prunus persica* (7)
- Pyrus pyrifolia* (2)

***Bactrocera (Bactrocera) quasipropinqua* Drew & Hancock**

SAPOTACEAE

- Pouteria macranthum* (Drew & Hancock, 1994a)

***Bactrocera (Bactrocera) raiensis* Drew & Hancock**

ASCLEPIADACEAE

- Calotropis gigantea* (1)

DILLENIACEAE

- Dillenia indica* (1)

MELIACEAE

- Sandoricum koetjape* (11)

MORACEAE

- Artocarpus altilis* (2)
- Artocarpus lanceolatus* (1)

***Bactrocera (Bactrocera) rubigina* (Wang & Zhao)**

LAURACEAE

- Litsea verticillata* (Liang et al., 1993)

***Bactrocera (Bactrocera) thailandica* Drew & Hancock**

ELEAOCARPACEAE

- Elaeocarpus lanceaefolius* (1)

***Bactrocera (Bactrocera) tuberculata* (Bezzi)**

ANACARDIACEAE

- Mangifera indica* (2)
- Spondias pinnata* (1)

CARICACEAE

- Carica papaya* (1)

EUPHORBIACEAE

- Baccaurea ramiflora* (1)

LECYTHIDACEAE

- Careya arborea* (8)
- Careya sphaerica* (20)

MYRTACEAE

*Syzygium samarangense* (1)

POLYGALACEAE

*Xanthophyllum flavescens* (1)

ROSACEAE

*Prunus persica* (4)

SAPOTACEAE

*Manilkara zapota* (2)

*Planchonella* sp. (4)

***Bactrocera (Bactrocera) umbrosa* (Fabricius)**

MORACEAE

*Artocarpus altilis* (4)

*Artocarpus heterophyllus* (24)

*Artocarpus incisa* (1)

*Artocarpus integer* (17)

***Bactrocera (Bactrocera) verbascifoliae* Drew & Hancock**

SOLANACEAE

*Solanum donianum* (66)

*Solanum granuloso-leprosum* (39)

*Solanum mauritianum* (1)

***Bactrocera (Bactrocera) versicolor* (Bezzi)**

SAPOTACEAE

*Manilkara zapota* (White & Elson-Harris, 1992)

***Bactrocera (Bactrocera) zonata* (Saunders)**

ANACARDIACEAE

*Mangifera indica* (White & Elson-Harris, 1992)

ANNONACEAE

*Annona squamosa* (White & Elson-Harris, 1992)

ARECACEAE

*Phoenix dactylifera* (White & Elson-Harris, 1992)

CARICACEAE

*Carica papaya* (White & Elson-Harris, 1992)

COMBRETACEAE

*Terminalia catappa* (1; White & Elson-Harris, 1992)

CUCURBITACEAE

*Momordica charantia* (White & Elson-Harris, 1992)

FABACEAE

*Azelia xylocarpa* (1)

LECYTHIDACEAE

*Careya arborea* (5)

MALPIGHIACEAE

*Malpighia emarginata* (2)

MALVACEAE

*Abelmoschus esculentus* (White & Elson-Harris, 1992)

MYRTACEAE

*Psidium guajava* (White & Elson-Harris, 1992)

*Syzygium jambos* (1)

PUNICACEAE

*Punica granatum* (White & Elson-Harris, 1992)

ROSACEAE

*Cydonia oblonga* (White & Elson-Harris, 1992)

*Malus domestica* (White & Elson-Harris, 1992)

*Malus pumila* (White & Elson-Harris, 1992)

*Prunus persica* (White & Elson-Harris, 1992)

RUTACEAE

- Aegle marmelos* (2)
- Citrus sinensis* (White & Elson-Harris, 1992)

TILIACEAE

- Grewia asiatica* (White & Elson-Harris, 1992)

***Bactrocera (Bulladacus) mcgregori* (Bezzi)**

GNETACEAE

- Gnetum gnemon* (Hardy, 1974)
- Notes on the biology of *B. mcgregori* were provided by Yong (1994b).

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

CLUSIACEAE

- Callophyllum inophyllum* (13)

***Bactrocera (Hemigymnodacus) diversa* (Coquillett)**

CUCURBITACEAE

- Benincasa hispida* (2) male flowers
- Coccinia grandis* (38) flowers
- Cucurbita maxima* (White & Elson-Harris, 1992) flowers
- Cucurbita moschata* (31) flowers
- Cucurbita pepo* (White & Elson-Harris, 1992) flowers
- Lagenaria siceraria* (1) flowers
- Luffa acutangula* (1) flowers
- Luffa aegyptiaca* (5) flowers
- Trichosanthes wawraei* (1) flowers

***Bactrocera (Javadacus) trilineata* (Hardy)**

CUCURBITACEAE

- Coccinia grandis* (2)

***Bactrocera (Paradacus) depressa* (Shiraki)**

CUCURBITACEAE

- Cucurbita moschata* (White & Elson-Harris, 1992)
- Cucurbita pepo* (Ito, 1983)
- Trichosanthes quadricirrha* (Ito, 1983)

***Bactrocera (Paratridacus) garciniae* Bezzi**  
(previously *B. (P.) expandens melanius* (Hardy))

CLUSIACEAE

- Garcinia andamanica* (Ranganath & Veenakumari, 1995)
- Garcinia dulcis* (28)
- Garcinia spicata* (Hardy 1974)
- Garcinia xanthochymus* (22)

***Bactrocera (Parazeugodacus) abbreviata* (Hardy)**

OLEACEAE

- Linociera ramiflora* (1)
- Olea salicifolia* (1)

***Bactrocera (Parazeugodacus) matsumurai* (Shiraki)**

OLEACEAE

- Osmanthus insularis* (Ito, 1983)

***Bactrocera (Parazeugodacus) pendleburyi (Perkins)***

SYMPLOCACEAE

*Symplocos cochinchinensis* (1)

*Symplocos racemosa* (1)

VERBENACEAE

*Gmelina arborea* (1)

***Bactrocera (Sinodacus) hochii (Zia)***

CUCURBITACEAE

*Gynopetalum cochinchinensis* (1)

*Luffa aegyptiaca* (2)

*Trichosanthes wawraei* (1)

***Bactrocera (Tetradacus) minax (Enderlein)***

(previously *B. (T) citri* (Chen))

RUTACEAE

*Citrus aurantium* (White & Elson-Harris, 1992)

*Citrus grandis* (White & Elson-Harris, 1992)

*Citrus limon* (White & Elson-Harris, 1992)

*Citrus medica* (White & Elson-Harris, 1992)

*Citrus reticulata* (White & Elson-Harris, 1992)

*Citrus sinensis* (White & Elson-Harris, 1992; Liang et al., 1993)

*Citrus tangerina* (White & Elson-Harris, 1992)

*Fortunella crassifolia* (White & Elson-Harris, 1992)

***Bactrocera (Tetradacus) tsuneonis (Miyake)***

RUTACEAE

*Citrus aurantium* (White & Elson-Harris, 1992)

*Citrus reticulata* (White & Elson-Harris, 1992)

*Citrus sinensis* (White & Elson-Harris, 1992)

*Citrus tangerina* (White & Elson-Harris, 1992; Liang et al., 1993)

*Fortunella crassifolia* (White & Elson-Harris, 1992)

*Fortunella japonica* (White & Elson-Harris, 1992)

*Fortunella margarita* (White & Elson-Harris, 1992)

***Bactrocera (Zeugodacus) caudata (Fabricius)***

CUCURBITACEAE

*Cucurbita moschata* (2) male flowers

***Bactrocera (Zeugodacus) cilifera (Hendel)***

CUCURBITACEAE

*Thladiantha hookeri* (1) male flowers

A record from *Luffa aegyptiaca* (as *L. cylindrica* Roem) (Liang et al., 1993) is an error; the specimen was collected on the plant, not bred from it (Liang G-q., pers. comm.). All previous records require confirmation.

***Bactrocera (Zeugodacus) cucurbitae (Coquillett)***

AGAVACEAE

*Dracaena curtissi* (1)

CAPPARIDACEAE

*Capparis sepiaria* (1)

*Capparis thorellii* (1)

*Maerua siamensis* (1)

CUCURBITACEAE

- Benincasa hispida* (19) fruit and flowers
- Citrullus colocynthis* (White & Elson-Harris, 1992)
- Citrullus lanatus* (12)
- Coccinia grandis* (314) fruit and flowers
- Cucumis melo* (12)
- Cucumis sativus* (66)
- Cucumis* sp. (2)
- Cucumis trigonus* (White & Elson-Harris, 1992)
- Cucurbita maxima* (1)
- Cucurbita moschata* (24) fruit and flowers
- Cucurbita pepo* (1)
- Gymnopetalum integrifolium* (4)
- Lagenaria siceraria* (2)
- Luffa acutangula* (49)
- Luffa aegyptiaca* (27) fruit and flowers
- Melothria wallichii* (7)
- Momordica balsamina* (White & Elson-Harris, 1992)
- Momordica charantia* (124)
- Momordica cochinchinensis* (White & Elson-Harris, 1992)
- Momordica dioica* (Ranganath & Veenakumari, 1995)
- Mukia maderaspatana* (Ranganath & Veenakumari, 1995)
- Trichosanthes cucumerina* (6)
- Trichosanthes ovigera* (1)
- Trichosanthes tricuspidata* (7)
- Trichosanthes wallichiana* (1)
- Trichosanthes wawraei* (20)

FABACEAE

- Phaseolus vulgaris* (16)
- Vigna sinensis* (8)
- Vigna unguiculata* (38)

MALVACEAE

- Abelmoschus moschatus* (1)

MORACEAE

- Ficus chartacea* (1)

MYRTACEAE

- Psidium guajava* (3)

RHAMNACEAE

- Ziziphus jujuba* (2)

RUTACEAE

- Citrus hystrix* (2)

SAPOTACEAE

- Manilkara zapota* (1)

SOLANACEAE

- Lycopersicon esculentum* (2)
- Solanum trilobatum* (2)

VITACEAE

- Tetrastigma lanceolarium* (2)

***Bactrocera (Zeugodacus) sp. nr diaphoropsis***

LOGANIACEAE

- Strychnos nux-vomica* (1)

***Bactrocera (Zeugodacus) isolata (Hardy)***

CAPPARACEAE

- Capparis grandis* (7)
- Capparis micracantha* (2)
- Capparis pyrifolia* (1)
- Capparis sepiaria* (4)

*Capparis siamensis* (3)

*Capparis thorellii* (7)

*Maerua siamensis* (3)

***Bactrocera (Zeugodacus) munda* (Bezzi)**

CUCURBITACEAE

*Cucurbita maxima* (Hardy, 1974)

***Bactrocera (Zeugodacus) rubella* (Hardy)**

CUCURBITACEAE

*Trichosanthes wawraei* (18)

***Bactrocera (Zeugodacus) scutellaris* Bezzi**

CUCURBITACEAE

*Cucurbita maxima* (White & Elson-Harris, 1992) flowers

*Cucurbita moschata* (9) flowers

*Lagenaria siceraria* (White & Elson-Harris, 1992) flowers

*Melothria wallichii* (1) flowers

***Bactrocera (Zeugodacus) scutellata* (Hendel)**

CUCURBITACEAE

*Cucurbita moschata* (5) male flowers

*Trichosanthes cucumeroides* (Ito 1983) male flowers

***Bactrocera (Zeugodacus) tau* (Walker)**

ARECACEAE

*Borassus flabellifer* (1)

CUCURBITACEAE

*Benincasa hispida* (11)

*Citrullus lanatus* (6)

*Coccinia grandis* (47)

*Cucumis melo* (4)

*Cucumis sativus* (48)

*Cucurbita maxima* (1)

*Cucurbita moschata* (16)

*Cucurbita pepo* (1)

*Gomphogyne cissiformis* (1)

*Gymnopetalum integrifolium* (23)

*Hodgsonia capriocarpa* (1)

*Luffa acutangula* (27)

*Luffa aegyptiaca* (23)

*Melothria wallichii* (2)

*Momordica charantia* (43)

*Momordica cochinchinensis* (4)

*Momordica macrophylla* (10)

*Trichosanthes celebica* (1)

*Trichosanthes cucumerina* (1)

*Trichosanthes integrifolia* (2)

*Trichosanthes ovigera* (4)

*Trichosanthes rubriflos* (13)

*Trichosanthes tricuspидata* (6)

*Trichosanthes wallichiana* (1)

FABACEAE

*Phaseolus vulgaris* (1)

LOGANIACEAE

*Fagraea ceilanica* (2)



*Strychnos nux-vomica* (1)

*Strychnos rupicola* (1)

MORACEAE

*Ficus racemosa* (1)

MYRTACEAE

*Psidium guajava* (2)

OLEACEAE

*Myxopyrum smilacifolium* (3)

SAPOTACEAE

*Manilkara zapota* (1)

VITACEAE

*Tetrastigma lanceolarium* (1)

***Bactrocera (Zeugodacus) trimaculata* (Hardy & Adachi)**

CUCURBITACEAE

*Momordica charantia* (Hardy, 1974)

*Momordica cochinchinensis* (Hardy, 1974)

***Dacus (Callantra) esakii* (Shiraki)**

ASCLEPIADACEAE

*Pycnostelma paniculatum* (Ito, 1983)

***Dacus (Callantra) longicornis* Wiedemann**

CUCURBITACEAE

*Luffa acutangula* (3)

*Luffa aegyptiaca* (7)

*Melothria wallichii* (2)

*Trichosanthes cucumerina* (1; Hardy, 1973)

Records in the literature to *D. (C.) smieroides* Walker, *D. (C.) destillatoria* (Bezzi) and *D. (C.) eumenoides* (Bezzi) all refer to *D. (C.) longicornis*.

***Dacus (Callantra) polistiformis* (Senior-White)**

ASCLEPIADACEAE

*Oxystelma esculentum* (I.M. White, pers. comm.)

***Dacus (Callantra) sphaeroidalis* (Bezzi)**

ASCLEPIADACEAE

*Telosma cordata* (Hardy, 1973)

***Dacus (Didacus) ciliatus* Loew**

CUCURBITACEAE

*Citrullus lanatus* (White & Elson-Harris, 1992)

*Coccinia grandis* (White & Elson-Harris, 1992)

*Cucumis melo* (White & Elson-Harris, 1992)

*Cucumis sativus* (White & Elson-Harris, 1992)

*Luffa aegyptiaca* (White & Elson-Harris, 1992)

*Momordica charantia* (White & Elson-Harris, 1992)

***Dacus (Didacus) keiseri* (Hering)**

CUCURBITACEAE

*Diplocyclos palmatus* (K. Tsuruta, pers. comm.)

*Mukia* sp. (K. Tsuruta, pers. comm.)

***Dacus (Leptoxyda) persicus* Hendel**

ASCLEPIADACEAE

*Calotropis gigantea* (QDPI collection data)

*Calotropis procera* (QDPI collection data; White & Elson-Harris, 1992)

***Ichneumonopsis burmensis* Hardy**

A record of *Toxotrypana curvicauda* Gerstaecker attacking bananas (*Musa* sp.) in NE India (Kapoor 1993) may refer to *I. burmensis* but the reliability of this report is unknown.

***Monacrostichus citricola* Bezzi**

RUTACEAE

*Citrus aurantifolia* (3)

*Citrus hystrix* (33)

*Citrus grandis* (White & Elson-Harris, 1992)

*Citrus limetta* (White & Elson-Harris, 1992)

*Citrus limon* (White & Elson-Harris, 1992)

*Citrus reticulata* (1)

***Monacrostichus malaysiae* Drew & Hancock**

RUTACEAE

*Citrus halimii* (Drew & Hancock, 1994b).

**CERATITIDINAE**

***Acidoxantha bombacis* de Meijere**

BOMBACACEAE

*Bombax ceiba* (White & Elson-Harris, 1992) flowers

***Acidoxantha hibisci* Hardy**

MALVACEAE

*Hibiscus tiliaceus* (White & Elson-Harris, 1992) flowers

***Acroceratitis ceratitina* (Bezzi)**

POACEAE

*Bambusa tulda* (1) shoots

*Dendrocalamus asper* (1) shoots

*Dendrocalamus membranaceus* (3) shoots

***Acroceratitis distincta* (Zia)**

POACEAE

*Bambusa pallida* (1) shoots

*Bambusa tulda* (3) shoots

*Bambusa vulgaris* (1) shoots

*Bambusa* sp. (1) shoots

*Dendrocalamus asper* (2) shoots

*Dendrocalamus strictus* (1) shoots

*Thyrostachys siamensis* (1) shoots

***Acroceratitis histrionica* (de Meijere)**

POACEAE

*Gigantochloa albociliata* (3) shoots

***Acroceratitis plumosa* Hendel**

POACEAE

- Bambusa dolichoclada* (Shiraki, 1933) shoots
- Bambusa oldhami* (Shiraki, 1933) shoots
- Bambusa stenostachya* (Shiraki, 1933) shoots
- Dendrocalamus latiflorus* (White & Elson-Harris, 1992) shoots
- Phyllostachys mackinoi* (Shiraki, 1933) shoots
- Phyllostachys nigripes* (Shiraki, 1933) shoots
- Phyllostachys pubescens* (White & Elson-Harris, 1992) shoots

***Acroceratitis striata* (Froggatt)**

POACEAE

- Dendrocalamus giganteus* (White & Elson-Harris, 1992) shoots
- Dendrocalamus strictus* (White & Elson-Harris, 1992) shoots

***Acroceratitis tomentosa* Hardy**

POACEAE

- Bambusa pallida* (1) shoots
- Bambusa tulda* (1) shoots
- Bambusa vulgaris* (1) shoots
- Dendrocalamus membranaceus* (2) shoots
- Gigantochloa upus* (1) shoots

***Acrotaeniostola quinaria* (Coquillett)**

POACEAE

- Bambusa* sp. (1) shoots
- Bambusa vulgaris* (1) shoots
- Dendrocalamus strictus* (1) shoots

***Acrotaeniostola scutellaris* (Matsumura)**

POACEAE

- Bamboo (Kwon, 1985) shoots

***Acrotaeniostola sexvittata* Hendel**

POACEAE

- Bambusa* sp. (Shiraki, 1933) shoots

***Ceratitella tomentosa* (de Meijere)**

LORANTHACEAE

- Loranthus longiflorus* (Hancock & Drew, 1994b)

***Chaetellipsis bivittata* (Hardy)**

POACEAE

- Bambusa* sp. (1) shoots

***Chaetellipsis paradoxa* Bezzi**

POACEAE

- Bambusa vulgaris* (3) shoots
- Dendrocalamus giganteus* (2) shoots

***Gastrozona fasciventris* (Macquart)**

POACEAE

- Bambusa dolichodada* (Shiraki, 1933) shoots
- Bambusa glaucescens* (1) shoots
- Bambusa oldhami* (Shiraki, 1933) shoots
- Bambusa shimadai* (Shiraki, 1933) shoots
- Bambusa stenostachya* (Shiraki, 1933) shoots
- Bambusa tulda* (1) shoots
- Bambusa tuldoidea* (White & Elson-Harris, 1992) shoots
- Bambusa vulgaris* (3) shoots
- Bambusa* sp. (1) shoots
- Dendrocalamus asper* (4) shoots
- Dendrocalamus giganteus* (2) shoots
- Dendrocalamus hamiltonii* (1) shoots
- Dendrocalamus latiflorus* (White & Elson-Harris, 1992) shoots
- Gigantochloa auriculata* (1) shoots
- Gigantochloa nigrociliata* (1) shoots
- Phyllostachys mackinoi* (Shiraki, 1933) shoots
- Phyllostachys nigripes* (Shiraki, 1933) shoots
- Phyllostachys pubescens* (White & Elson-Harris, 1992) shoots
- Thyrostachys siamensis* (1) shoots

***Gastrozona soror* (Schiner)**

POACEAE

- Dendrocalamus asper* (1) shoots

***Neoceratitis asiatica* (Becker)**

SOLANACEAE

- Lycium turcomanicum* (Hancock & Drew, 1994b)

***Paragastrozona japonica* (Miyake)**

POACEAE

- Sasa* sp. (Kwon, 1985) shoots

***Phaeospilodes bambusae* Hering**

POACEAE

- "Bamboo" (Hardy, 1973) shoots

***Phaeospilodes fenestella* (Coquillett)**

POACEAE

- Bambusa pallida* (1) shoots
- Dendrocalamus strictus* (1) shoots

***Taeniostola limbata* Hendel**

POACEAE

- Gigantochloa scortechinii* (Kovac & Azarae, 1994) shoots

***Taeniostola vittigera* Bezzi**

POACEAE

- Bambusa glaucescens* (1) shoots
- Bambusa nutans* (1) shoots
- Bambusa* sp. (1) shoots
- Dendrocalamus asper* (3) shoots
- Dendrocalamus hamiltonii* (1) shoots

*Gigantochloa auriculata* shoots  
*Phyllostachys nigripes* (Shiraki, 1933) shoots

***Xanthorrhachis annandalei* Bezzi**

POACEAE

*Gigantochloa albociliata* (1) shoots

**TRYPETINAE**

***Acanthonevra dunlopi* (Van der Wulp)**

POACEAE

*Bambusa vulgaris* (2) decaying shoots  
*Bambusa* sp. (1) decaying shoots  
*Dendrocalamus nudus* (1) decaying shoots

***Acanthonevra ochroleura* Hering**

POACEAE

"Bamboo" (Hancock & Drew, 1995a) decaying shoots

***Acanthonevra unicolor* (Shiraki)**

POACEAE

"Bamboo" (Hancock & Drew, 1995a) decaying shoots

***Acanthonevra vaga* (Wiedemann)**

POACEAE

"Bamboo" (Hancock & Drew, 1995a) decaying shoots

***Adrama apicalis* Shiraki**

FABACEAE

*Albizia procera* (3)

THEACEAE

*Camellia sinensis* (White & Elson-Harris, 1992) seeds

***Adrama austeni* Hendel**

THEACEAE

*Camellia sinensis* (White & Elson-Harris, 1992) seeds

***Adrama determinata* (Walker)**

THEACEAE

*Camellia sinensis* (Hardy, 1974) seeds

***Adrama rufiventris* (Walker)**

SAPOTACEAE

*Palaquium maingayi* (1)

***Anomoia alboscuteolata* (van der Wulp)**

RUBIACEAE

*Coffea arabica* (Hancock & Drew, 1994a) green twigs

***Anomoia pusilla* (Hering)**

AQUIFOLIACEAE

*Ilex cymosa* (1)

***Callistomyia pavonina* Bezzi**

RUTACEAE

*Clausena excavata* (1)

*Glycosmis pentaphylla* (56)

*Glycosmis puberula* (1)

Records of this species (as *C. flavilabris* Hering) from *Baccaurea motleyana*, *Citrus grandis* and *Lansium domesticum* (Hardy, 1973) are considered to refer to sites of capture rather than actual rearings (Hancock & Drew, 1994a).

***Carpomya vesuviana* A. Costa**

RHAMNACEAE

*Ziziphus jujuba* (62)

*Ziziphus mauritiana* (25)

*Ziziphus nummularia* (White & Elson-Harris, 1992)

*Ziziphus rotundifolia* (4)

***Diarrhegma modestum* (Fabricius)**

MORINGACEAE

*Moringa oleifera* (Hancock & Drew, 1994a)

***Dimeringophoys pallidipennis* Hardy**

MORACEAE

*Artocarpus heterophyllus* (1)

***Euphranta apicalis* Hendel**

OROBANCHACEAE

*Aeginetia indica* (Hardy, 1974) stems

***Euphranta camelliae* (Ito)**

FAGACEAE

*Castanea crenata* (White & Elson-Harris, 1992)

THEACEAE

*Camellia japonica* (White & Elson-Harris, 1992)

***Euphranta canangae* Hardy**

ANNONACEAE

*Cananga odorata* (Hardy, 1974)

***Euphranta cassiae* (Munro)**

FABACEAE

*Cassia fistula* (Hancock & Drew, 1994a)

***Euphranta cerberae* Hancock & Drew**

APOCYNACEAE

*Cerbera odollam* (1; Hancock & Drew, 1995b)

***Euphranta corticicola* (Hering)**

STAPHYLEACEAE

*Turpinia pomifera* (1)

***Euphranta japonica* (Ito)**

ROSACEAE

*Prunus avium* (White & Elson-Harris, 1992)

***Euphranta mikado* (Matsumura)**

THEACEAE

*Camellia* sp. (White & Elson-Harris, 1992)

***Euphranta myxopyrae* Hancock & Drew**

OLEACEAE

*Myxopyrum smilacifolium* (2)

***Euphranta signatifacies* (Hardy)**

RHIZOPHORACEAE

*Rhizophora mucronata* (1)

VERBENACEAE

*Avicennia officinalis* (10)

***Euphranta solaniferae* Hancock & Drew**

SOLANACEAE

*Solanum trilobatum* (1)

***Euphranta songkhla* Hancock & Drew**

OLEACEAE

*Linociera ramiflora* (1)

***Euphranta turpiniae* Hancock & Drew**

STAPHYLEACEAE

*Turpinia pomifera* (8)

SYMPLOCACEAE

*Symplocos racemosa* (1)

***Felderimyia gombakensis* Hancock & Drew**

POACEAE

*Gigantochloa scortechinii* (Hancock & Drew, 1995b) shoot internodes

***Hardyadrama excoecariae* Lee**

EUPHORBIACEAE

*Excoecaria agallocha* (Lee, 1991)

***Hardyadrama magister* (Lee)**

EUPHORBIACEAE

*Excoecaria agallocha* (Lee, 1991)

***Philophylla connexa* (Hendel)**

VERBENACEAE

- Premna corymbosa* (1)
- Premna* sp. (1)

***Philophylla fossata* (Fabricius)**

VERBENACEAE

- Callicarpa arborea* (5)
- Callicarpa longifolia* (8)
- Clerodendrum glandulosum* (3)
- Clerodendrum venosum* (1)
- Clerodendrum wallichii* (1)

***Philophylla kraussi* (Hardy)**

VERBENACEAE

- Gmelina asiatica* (1)
- Gmelina elliptica* (26)
- Gmelina philippensis* (226)

***Philophylla superflucta* (Enderlein)**

VERBENACEAE

- Clerodendrum inerme* (Hardy, 1973) seeds

***Piestometopon luteiceps* de Meijere**  
(previously *Elleipsa quadrifasciata* Hardy)

EUPHORBIACEAE

- Excoecaria agallocha* (Lee, 1991)

***Ptilona confinis* (Walker)**

POACEAE

- "Bamboo" (Hancock & Drew, 1994a) stems

***Vidalia bidens* Hendel**

ARALIACEAE

- Schefflera subulata* (1; Han et al., 1994)

***Vidalia thailandica* Hancock & Drew**

ARALIACEAE

- Schefflera clarkeana* (2)

***Xarnuta leucotela* Walker**

ANNONACEAE

- Cananga odorata* (Hennig, 1953) mine leaves/leaf veins

SAPINDACEAE

- Nephelium lappaceum* (Hennig, 1953) mine leaves/leaf veins

***Xarnuta obsoleta* (Wiedemann)**  
(previously *X. morosa* de Meijere)

ANNONACEAE

- Cananga odorata* (Hennig, 1953) mine leaves/leaf veins

SAPINDACEAE

- Nephelium lappaceum* (Hennig, 1953) mine leaves/leaf veins



**Section 2:** Host plants and the tephritid species recorded from them. Fruits are infested unless otherwise stated. (Number in brackets = number of sample from which fly species have been reared).

AGAVACEAE

*Dracaena curtissi* Ridl.

*Bactrocera cucurbitae* (1)

ALANGIACEAE

*Alangium chinense* (Lour.) Harms

*Bactrocera dorsalis* (2)

*Alangium griffithii* (Clarke) Harms

*Bactrocera carambolae* (1)

*Alangium salviifolium* (L. f.) Wangerin in Engl.

*Bactrocera dorsalis* (3)

AMARYLLIDACEAE

*Crinum asiaticum* L.

*Bactrocera papayae* (1) [24 plant samples]

ANACARDIACEAE

*Anacardium occidentale* L.

cashew

*Bactrocera correcta* (12)

*Bactrocera dorsalis* (22)

*Bactrocera papayae* (68)

*Bouea macrophylla* Griff.

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (1)

*Bactrocera papayae* (1)

*Bouea oppositifolia* (Roxb.) Meisn.

*Bactrocera carambolae* (2)

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (6)

*Bactrocera papayae* (5)

*Dracontomelon dao* (Blanco) Merrill & Rolfe

Argus pheasant tree

*Bactrocera limbifera* (Hardy, 1974; Ranganath & Veenakumari, 1995)

*Holigarna kurzii* King

*Bactrocera papayae* (3)

***Mangifera caesia* Jack ex Wallich**

*Bactrocera papayae* (3)

***Mangifera caloneura* Kurz.**

*Bactrocera dorsalis* (2)

*Bactrocera papayae* (2)

***Mangifera foetida* Lour.**

bachang

*Bactrocera dorsalis* (1)

*Bactrocera papayae* (19)

***Mangifera griffithii***

*Bactrocera papayae* (1)

***Mangifera indica* L.**

mango

*Bactrocera albistrigata* (2)

*Bactrocera carambolae* (7)

*Bactrocera caryeae* (Drew & Hancock, 1994a)

*Bactrocera correcta* (15)

*Bactrocera dorsalis* (66)

*Bactrocera kandiensis* (Drew & Hancock, 1994a)

*Bactrocera occipitalis* (Drew & Hancock, 1994a)

*Bactrocera papayae* (74)

*Bactrocera philippinensis* (Drew & Hancock, 1994a)

*Bactrocera tuberculata* (2)

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Mangifera laurina***

*Bactrocera papayae* (2)

***Mangifera longipetiolata***

*Bactrocera dorsalis* (2)

***Mangifera odorata* Griffith**

*Bactrocera papayae* (3)

***Mangifera pajang* Kosterm**

*Bactrocera papayae* (2)

***Spondias cytherea* Sonn.**

jew plum

*Bactrocera correcta* (2)

*Bactrocera dorsalis* (2)

*Bactrocera papayae* (19)

***Spondias pinnata* (L.f.) Kurz**

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (4)

*Bactrocera tuberculata* (1)

ANNONACEAE  
***Annona glabra* L.**  
pond-apple

*Bactrocera papayae* (1)

***Annona montana* Macfad.**

*Bactrocera carambolae* (2)

*Bactrocera papayae* (7)

***Annona muricata* L.**  
soursop

*Bactrocera carambolae* (Yong, 1994a)

*Bactrocera papayae* (19)

***Annona reticulata* L.**  
custard apple

*Bactrocera dorsalis* (1)

*Bactrocera papayae* (3)

***Annona squamosa* L.**  
sugar-apple

*Bactrocera dorsalis* (9)

*Bactrocera papayae* (16)

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Artabotrys siamensis* Miq.**

*Bactrocera kanchanaburi* (1)

*Bactrocera papayae* (38)

***Cananga odorata* (Lam.) Hook. f. & Thomson**  
ylang ylang

*Euphranta canangae* (Hardy, 1974)

*Xarnuta leucotela* (Hennig, 1953) mine leaves/leaf veins

*Xarnuta obsoleta* (Hennig, 1953) mine leaves/leaf veins

***Desmos chinensis* Lour.**

*Bactrocera papayae* (2) [34 plant samples]

***Goniothalamus gigantifolius* Merr.**

*Bactrocera kanchanaburi* (1)

***Mitrephora maingayi* Hook. f. & Thomson in Hook. f.**

*Bactrocera dorsalis* (1)

***Polyalthia longifolia* (Sonn.) Thwaites**  
cemetary tree

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (1)

*Bactrocera papayae* (2)

***Polyalthia simiarum* (Buch.-Ham. ex Hook. f. & Thomson) Benth.**  
in Benth. & Hook. f.

*Bactrocera dorsalis* (1)

***Rollinia pulchrinervis* A. DC.**  
biribá

*Bactrocera carambolae* (1)

*Bactrocera papayae* (3)

***Uvaria grandiflora* Roxb.**

*Bactrocera carambolae* (1)

*Bactrocera papayae* (5)

***Uvaria macrophylla* Roxb.**  
(previously *U. cordata*)

*Bactrocera dorsalis* (1)

APOCYNACEAE

***Carissa carandas* L.**  
karanda

*Bactrocera correcta* (2)

*Bactrocera papayae* (8)

***Carissa cochinchinensis* Pierre ex Pitard**

*Bactrocera dorsalis* (1)

***Cerbera odollam* Gaertn.**

*Euphranta cerberae* (1; Hancock & Drew, 1995b)

***Neisosperma oppositifolium* (Lam.) Fosb. & Sach**

*Bactrocera albistrigata* (Ranganath & Veenakumari, 1995)

***Thevetia peruviana* (Pers.) K. Schum.**  
lucky nut

*Bactrocera carambolae* (1; Yong, 1994a)

*Bactrocera papayae* (13)

***Willughbeia cochinchinensis***

*Bactrocera papayae* (1)

AQUIFOLIACEAE

***Ilex cymosa* Bl.**

*Anomoia pusilla* (1)

ARALIACEAE

***Macropanax concinnum* Miq.**

*Bactrocera pyrifoliae* (1)

***Schefflera clarkeana***

*Vidalia thailandica* (2)

***Schefflera subulata***

*Vidalia bidens* (1; Han et al., 1994)

ARECACEAE

***Areca catechu* L.**

betel nut

*Bactrocera arecae* (22)

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (5)

*Bactrocera papayae* (2)

***Areca triandra* Roxb. ex Buch.-Ham.**

*Bactrocera arecae* (1)

***Arenga pinnata* (Wurmb) Merr.**

sugar palm

*Bactrocera carambolae* (Yong, 1994a)

*Bactrocera papayae* (Drew & Hancock, 1994a; Yong, 1994a)

***Arenga westerhoutii* Griff.**

*Bactrocera papayae* (2)

***Borassus flabellifer* L.**

*Bactrocera papayae* (2) [45 plant samples]

*Bactrocera tau* (1)

***Caryota mitis* Lour.**

Fishtail palm

*Bactrocera papayae* (1) [61 plant samples]

***Phoenix dactylifera* L.**

date palm

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Veitchia merrillii* (Becc.) H.E. Moore**

manila palm

*Bactrocera arecae* (1) [24 plant samples]

*Bactrocera papayae* (1)

ASCLEPIADACEAE

***Calotropis gigantea* (L.) W.T. Aiton**

*Bactrocera raiensis* (1)  
*Dacus persicus* (QDPI)

***Calotropis procera* (Aiton) W.T. Aiton**

Sodom apple

*Dacus persicus* (QDPI; White & Elson-Harris, 1992)

***Oxystelma esculentum* (L. f.) Sm. in Rees**

*Dacus polistiformis* (I.M.White, pers. comm.)

***Pycnostelma paniculatum* (Bunge) K. Schum. in Engl. & Prantl**

*Dacus esakii* (Ito, 1983)

***Telosma cordata* (Burm. f.) Merr.**

Chinese violet

*Dacus sphaeroidalis* (Hardy, 1973)

BOMBACACEAE

***Bombax ceiba* L.**

red silk-cotton tree

*Acidoxantha bombacis* (Hardy, 1974) flowers

BORAGINACEAE

***Cordia dentata* Poir.**

Jackwood

*Bactrocera papayae* (1)

***Ehretia microphylla* Lam.**

Philippine tea

*Bactrocera papayae* (1) [25 plant samples]

BURSERACEAE

***Canarium odontophyllum* Miq.**

*Bactrocera lata* (1)

***Canarium* sp.**

*Bactrocera papayae* (1)

***Garuga floribunda* Dune**

*Bactrocera dorsalis* (1)

CACTACEAE

*Opuntia vulgaris* Miller

prickly pear

*Bactrocera correcta* (2)

*Pereskia grandiflora* Pfeiff.

rose cactus

*Bactrocera papayae* (1)

CAPPARACEAE

*Capparis grandis*

*Bactrocera isolata* (7)

*Capparis microcantha* DC.

*Bactrocera isolata* (2)

*Capparis pyrifolia*

*Bactrocera isolata* (1)

*Capparis sepiaria* L.

*Bactrocera correcta* (4)

*Bactrocera cucurbitae* (1)

*Bactrocera dorsalis* (2)

*Bactrocera isolata* (4)

*Capparis siamensis*

*Bactrocera isolata* (3)

*Capparis thorellii*

*Bactrocera correcta* (1)

*Bactrocera cucurbitae* (1)

*Bactrocera isolata* (7)

*Maerua siamensis*

*Bactrocera correcta* (2)

*Bactrocera cucurbitae* (1)

*Bactrocera isolata* (3)

CAPRIFOLIACEAE

*Sambucus javanica* Reinw. Ex Blume

*Bactrocera dorsalis* (1)

CARICACEAE

*Carica papaya* L.

papaya

- Bactrocera correcta* (1)  
*Bactrocera dorsalis* (15)  
*Bactrocera papayae* (129)  
*Bactrocera philippinensis* (Drew & Hancock, 1994a)  
*Bactrocera tuberculata* (1)  
*Bactrocera zonata* (White & Elson-Harris, 1992)

CELASTRACEAE

*Siphonodon celastrineus* Griffith

- Bactrocera maculifacies* (2)

*Siphonodon* sp.

- Bactrocera dorsalis* (2)

CHRYSOBALANACEAE

*Parinari anamense* Hance.

- Bactrocera dorsalis* (4)

CLUSIACEAE

*Calophyllum inophyllum* L.

Indian laurel

- Bactrocera calophylli* (13)  
*Bactrocera papayae* (14)  
*Garcinia andamanica* King  
*Bactrocera garciniae* (Ranganath & Veenakumari, 1995)

*Garcinia atroviridis* Griff.

- Bactrocera carambolae* (1)  
*Bactrocera papayae* (1)  
*Bactrocera propinqua* (2)

*Garcinia bancana* Miq.

- Bactrocera propinqua* (Drew & Hancock, 1994a)

*Garcinia cambogia* Desrouss.

- Bactrocera propinqua* (1)

*Garcinia costata*

- Bactrocera propinqua* (1)

*Garcinia cowa* Roxb.

- Bactrocera carambolae* (3)  
*Bactrocera dorsalis* (1)  
*Bactrocera propinqua* (7)



***Garcinia dulcis* Kurz.**  
mundur

*Bactrocera garciniae* (28)  
*Bactrocera papayae* (7)

***Garcinia forbesii* King**

*Bactrocera propinqua* (1)

***Garcinia griffithii* T. Anders**

*Bactrocera carambolae* (1)  
*Bactrocera papayae* (1)

***Garcinia hombroniana* Pierre**  
seashore mangosteen

*Bactrocera papayae* (12)

***Garcinia mangostana* L.**  
mangosteen

*Bactrocera carambolae* (1) [48 plant samples]  
*Bactrocera papayae* (3)

***Garcinia parvifolia* Miq.**

*Bactrocera papayae* (2)

***Garcinia prairiana* King**

*Bactrocera papayae* (1)

***Garcinia schombergiana* Pierre**

*Bactrocera propinqua* (4)

***Garcinia speciosa* Wall.**

*Bactrocera dorsalis* (5)

***Garcinia spicata* Hook.**

*Bactrocera garciniae* (Hardy, 1974)

***Garcinia* sp.**

*Bactrocera kandiensis* (Drew & Hancock, 1994a)

***Garcinia xanthochymus* Hook. f. ex T. Anderson in Hook. f.**  
egg tree

*Bactrocera dorsalis* (2)  
*Bactrocera garciniae* (24)  
*Bactrocera propinqua* (1)

***Mammea siamensis* Kostum**

*Bactrocera dorsalis* (2)  
*Bactrocera papayae* (3)

COMBRETACEAE

***Terminalia catappa* L.**

tropical almond

- Bactrocera albistrigata* (92)
- Bactrocera carambolae* (16)
- Bactrocera correcta* (46)
- Bactrocera dorsalis* (87)
- Bactrocera papayae* (266)
- Bactrocera zonata* (1)

***Terminalia citrina* (Gaertn.) Roxb.**

- Bactrocera papayae* (1)

***Terminalia manii* King**

- Bactrocera carambolae* (Ranganath & Veenakumari, 1995)

***Terminalia procera* Roxb.**

- Bactrocera albistrigata* (Ranganath & Veenakumari, 1995)
- Bactrocera carambolae* (Ranganath & Veenakumari, 1995)

CONVOLVULACEAE

***Erycibe subspicata* Wall. Ex G. Don**

- Bactrocera dorsalis* (1)

***Merremia vitifolia* (Burm. F.) Hallier f.**

- Bactrocera dorsalis* (1) [13 plant samples]

CUCURBITACEAE

***Benincasa hispida* (Thunb.) Cogn. In A. DC.**

Wax gourd

- Bactrocera cucurbitae* (19) fruit and flowers
- Bactrocera diversa* (2) male flowers
- Bactrocera tau* (11) fruit

***Citrullus colocynthis* (L.) Schrader**

colocynth

- Bactrocera cucurbitae* (White & Elson-Harris, 1992)

***Citrullus lanatus* (Thunb.) Matsum. & Nakai**

watermelon

- Bactrocera cucurbitae* (12)
- Bactrocera tau* (6)
- Dacus ciliatus* (White & Elson-Harris, 1992)

***Coccinia grandis* (L.) Voigt**

ivy gourd

- Bactrocera correcta* (1)
- Bactrocera cucurbitae* (314) fruit and flowers
- Bactrocera diversa* (38) flowers
- Bactrocera dorsalis* (2)
- Bactrocera papayae* (2)
- Bactrocera tau* (47)
- Bactrocera trilineata* (2)
- Dacus ciliatus* (White & Elson-Harris, 1992)

***Cucumis melo* L.**

melon

- Bactrocera correcta* (1)
- Bactrocera cucurbitae* (12)
- Bactrocera dorsalis* (1)
- Bactrocera tau* (4)
- Dacus ciliatus* (White & Elson-Harris, 1992)

***Cucumis sativus* L.**

cucumber

- Bactrocera cucurbitae* (66)
- Bactrocera dorsalis* (1)
- Bactrocera papayae* (2)
- Bactrocera tau* (48)
- Dacus ciliatus* (White & Elson-Harris, 1992)

***Cucumis* sp.**

Wild cucumber

- Bactrocera cucurbitae* (2)

***Cucumis trigonus* Roxb.**

- Bactrocera cucurbitae* (White & Elson-Harris, 1992)

***Cucurbita maxima* Duchesne ex Lam.**

Pumpkin

- Bactrocera cucurbitae* (1)
- Bactrocera diversa* (White & Elson-Harris, 1992) flowers
- Bactrocera munda* (Hardy 1974)
- Bactrocera scutellaris* (White & Elson-Harris, 1992) flowers
- Bactrocera tau* (1)

***Cucurbita moschata* (Duchesne ex Lam.) Duchesne ex Poiret**

squash

- Bactrocera caudata* (2) male flowers
- Bactrocera cucurbitae* (24) fruit and flowers
- Bactrocera depressa* (White & Elson-Harris, 1992) fruit
- Bactrocera diversa* (31) flowers
- Bactrocera scutellaris* (9) flowers
- Bactrocera scutellata* (5) male flowers
- Bactrocera tau* (16) fruit

***Cucurbita pepo* L.**  
pumpkin

*Bactrocera cucurbitae* (1)  
*Bactrocera depressa* (Ito, 1983)  
*Bactrocera diversa* (White & Elson-Harris, 1992) flowers  
*Bactrocera tau* (1)

***Diplocyclos palmatus* (L.) C. Jeffrey**

*Dacus keiseri* (K.Tsuruta, pers. Comm.)

***Gomphogyne cissiformis* Griff.**

*Bactrocera tau* (1)

***Gymnopetalum cochinchinensis* (Lour.) Kurz**

*Bactrocera hochii* (1)

***Gymnopetalum integrifolium* (Roxb.) Kurz.**

*Bactrocera cucurbitae* (4)  
*Bactrocera papayae* (1)  
*Bactrocera tau* (23)

***Hodgsonia capniocarpa* Ridl.**

*Bactrocera tau* (1)

***Lagenaria siceraria* (Molina) Standl.**

White-flowered gourd

*Bactrocera cucurbitae* (2)  
*Bactrocera diversa* (1) flowers  
*Bactrocera scutellaris* (White & Elson-Harris, 1992) flowers

***Luffa acutangula* (L.) Roxb.**

Angled luffa

*Bactrocera cucurbitae* (49)  
*Bactrocera diversa* (1) flowers  
*Bactrocera tau* (27)  
*Dacus longicornis* (3)

***Luffa aegyptiaca* Mill.**

Luffa

*Bactrocera cucurbitae* (27) fruit and flowers  
*Bactrocera diversa* (5) flowers  
*Bactrocera hochii* (2)  
*Bactrocera tau* (23)  
*Dacus ciliatus* (White & Elson-Harris, 1992)  
*Dacus longicornis* (7)

***Melothria wallichii* C.B. Clarke in Hook. F.**

*Bactrocera cucurbitae* (7)  
*Bactrocera dorsalis* (1)  
*Bactrocera scutellaris* (1) flowers  
*Bactrocera tau* (2)  
*Dacus longicornis* (2)

***Momordica balsamina* L.**

balsam-apple

*Bactrocera cucurbitae* (White & Elson-Harris, 1992)

***Momordica charantia* L.**

bitter gourd

*Bactrocera cucurbitae* (124)

*Bactrocera dorsalis* (2)

*Bactrocera papayae* (5)

*Bactrocera tau* (43)

*Bactrocera trimaculata* (Hardy, 1974)

*Bactrocera zonata* (White & Elson-Harris, 1992)

*Dacus ciliatus* (White & Elson-Harris, 1992)

***Momordica cochinchinensis* (Lour.) Spreng.**

Teruah

*Bactrocera cucurbitae* (White & Elson-Harris, 1992)

*Bactrocera tau* (4)

*Bactrocera trimaculata* (Hardy, 1974)

*Momordica dioica* Roxb. ex Wild.

*Bactrocera cucurbitae* (Ranganath & Veenakumari, 1995)

***Momordica macrophylla* Gage**

*Bactrocera tau* (10)

***Mukia maderaspatana* (L.) M. Roem.**

*Bactrocera cucurbitae* (Ranganath & Veenakumari, 1995)

***Mukia* sp.**

*Dacus keiseri* (K.Tsuruta, pers. Comm.)

***Thladiantha hookeri* C.B. Clarke in Hook. F.**

*Bactrocera cilifera* (1) male flowers

***Trichosanthes anguina* L.**

snakegourd

*Bactrocera cucurbitae* (4)

***Trichosanthes celebica* Cogn.**

*Bactrocera tau* (1)

***Trichosanthes cucumerina* L.**

*Bactrocera cucurbitae* (2)

*Bactrocera tau* (1)

*Dacus longicornis* (1; Hardy, 1973)

***Trichosanthes cucumeroides* (Ser. in DC.) Maxim. in Franch. & Sav.**

*Bactrocera scutellata* (Ito, 1983) male flowers

***Trichosanthes integrifolia* (Roxb.) Kurz**

*Bactrocera tau* (2)

***Trichosanthes ovigera* Blume**

*Bactrocera cucurbitae* (1)

*Bactrocera dorsalis* (1)

*Bactrocera tau* (4)

***Trichosanthes quadricirrha* Miquel**

*Bactrocera depressa* (Ito, 1983)

***Trichosanthes rubriflos* Thorel ex Cayla**

*Bactrocera tau* (13)

***Trichosanthes tricuspidata* Lour.**

*Bactrocera cucurbitae* (7)

*Bactrocera tau* (6)

***Trichosanthes wallichiana* (Ser.) Wight**

*Bactrocera cucurbitae* (1)

*Bactrocera tau* (1)

***Trichosanthes wawraei* Cogn.**

*Bactrocera apicalis* (3) flowers

*Bactrocera cucurbitae* (20)

*Bactrocera diversa* (1) flowers

*Bactrocera hochii* (1)

*Bactrocera rubella* (18)

DILLENiaceae

***Dillenia indica* L.**

*Bactrocera raiensis* (1) [18 plant samples]

***Dillenia obovata* (Bl.) Hoogl.**

*Bactrocera papayae* (2) [37 plant samples]

DIPTEROCARPACEAE

***Dipterocarpus obtusifolius***

*Bactrocera correcta* (1)

EBENACEAE

***Diospyros areolata* King & Gamble**

*Bactrocera papayae* (1)

***Diospyros blancoi* A.DC.**

*Bactrocera papayae* (3)

***Diospyros castanea* Fletcher**

*Bactrocera dorsalis* (1)

***Diospyros diepenhorstii* Miq.**

*Bactrocera papayae* (2)

***Diospyros glandulosa***

*Bactrocera dorsalis* (1)

***Diospyros kaki* L. f.**

Japanese persimmon

*Bactrocera dorsalis* (4)

***Diospyros malabarica* Kost.**

*Bactrocera papayae* (7)

***Diospyros mollis* Griff.**

*Bactrocera dorsalis* (3)

***Diospyros philippensis* (Desr. In Lam.) Gürke in Engl. & Prantl**

*Bactrocera papayae* (5)

ELAEOCARPACEAE

***Elaeocarpus hygrophilus***

*Bactrocera dorsalis* (1)

***Elaeocarpus lanceaefolius* Roxb.**

*Bactrocera thailandica* (1)

***Elaeocarpus madopetalus***

*Bactrocera correcta* (2)

*Bactrocera dorsalis* (2)

***Muntingia calabura* L.**

calabur

*Bactrocera correcta* (30)

*Bactrocera dorsalis* (16)

*Bactrocera papayae* (17)

EUPHORBIACEAE

***Aporosa villosa* (Lindl.) Baill.**

*Bactrocera dorsalis* (1)

***Antidesma ghaesembilla* Gaertn.**

*Bactrocera papayae* (1) [39 plant samples]

***Baccaurea motleyana* (Müll. Arg.) Müll. Arg. In A. DC.  
Rambai**

*Bactrocera carambolae* (1)  
*Bactrocera papayae* (2)

***Baccaurea racemosa* Müll. Arg.**

*Bactrocera correcta* (1)  
*Bactrocera dorsalis* (1)

***Baccaurea ramiflora* Lour.**

*Bactrocera dorsalis* (4)  
*Bactrocera pyrifoliae* (1)  
*Bactrocera tuberculata* (1)

***Breynia reclinata* (Roxb.) Hook.f.**

*Bactrocera papayae* (2) [21 plant samples]

***Bridelia stipularis* (L.) Blume**

*Bactrocera dorsalis* (1)

***Drypetes longifolia* (Bl.) Pax & K. Hoffm.**

*Bactrocera carambolae* (Ranganath & Veenakumari, 1995)

***Excoecaria agallocha* L.**

*Bactrocera papayae* (2)  
*Hardyadrama excoecariae* (Lee, 1991)  
*Hardyadrama magister* (Lee, 1991)  
*Piestometopon luteiceps* (Lee, 1991)

***Glochidion littorale* Bl.**

*Bactrocera papayae* (1)

***Phyllanthus acidus* (L.) Skeels  
Otaheite gooseberry**

*Bactrocera correcta* (2) [67 plant samples]

***Sapium baccatum* Roxb.**

*Bactrocera dorsalis* (3)  
*Bactrocera papayae* (1)

***Sapium indicum* Willd.**

*Bactrocera papayae* (1) [31 plant samples]

***Sauropus androgynus* (L.) Merr.**

*Bactrocera papayae* (6) [136 plant samples]

***Securinega virosa* (Roxb. Ex Wild) Baill.**

*Bactrocera correcta* (1)  
*Bactrocera dorsalis* (1)



FABACEAE

*Adenathera pavonina* L.

*Bactrocera papayae* (1)

*Afzelia xylocarpa* (Kurz) Craib

*Bactrocera dorsalis* (2)

*Bactrocera zonata* (1)

*Albizia procera* (Roxb.) Benth.

*Adrama apicalis* (3)

*Cassia fistula* L.

Indian laburnum

*Euphranta cassiae* (Hancock & Drew, 1994a)

*Parkia speciosa* Hassk.

*Bactrocera dorsalis* (2) [24 plant samples]

*Bactrocera papayae* (1)

*Phaseolus vulgaris* L.

garden bean

*Bactrocera cucurbitae* (16)

*Bactrocera papayae* (1)

*Bactrocera tau* (1)

*Vigna sinensis* (L.) Savi ex Hassk.

*Bactrocera cucurbitae* (8)

*Vigna unguiculata* (L.) Walp.

Yard-long bean

*Bactrocera cucurbitae* (38)

FAGACEAE

*Castanea crenata* Siebold & Zucc.

Japanese chestnut

*Euphranta camelliae* (White & Elson-Harris, 1992)

*Castanopsis* sp.

*Bactrocera papayae* (1)

FLACOURTIACEAE

*Dovyalis hebecarpa* (Gardner) Warb.

Ketembilla

*Bactrocera papayae* (1)

***Flacourtia indica* (Burman f.) Merr.**

Governor's plum

*Bactrocera correcta* (8)

*Bactrocera dorsalis* (4)

***Flacourtia jangomas* (Lour.) Raeusch.**

Indian plum

*Bactrocera correcta* (2)

***Flacourtia rukam* Zoll. & Moritzi**

Indian prune

*Bactrocera papayae* (2) [30 plant samples]

FLAGELLARIACEAE

***Hanguana malayana* (Jack) Merr.**

*Bactrocera papayae* (1)

GNETACEAE

***Gnetum gnemon* L.**

buko

*Bactrocera mcgregori* (Hardy, 1974)

LAURACEAE

***Cinnamomum camphora* (L.) J. Presl**

*Bactrocera hyalina* (Ito, 1983)

***Cinnamomum insulari-montanum* Hayata**

*Bactrocera hyalina* (Ito, 1983)

***Lindera oxyphylla* Hook.f.**

*Bactrocera papayae* (1)

***Litsea glutinosa* (Lour.) C.B. Rob.**

*Bactrocera papayae* (1)

***Litsea salicifolia* (Roxb.) Hook. F.**

*Bactrocera dorsalis* (1)

***Litsea verticillata* Hance**

*Bactrocera hyalina* (Liang et al., 1993)

*Bactrocera rubigina* (Liang et al., 1993)

***Persea americana* Mill.**

Avocado

*Bactrocera carambolae* (2)

*Bactrocera papayae* (1)

***Persea thunbergii* (Siebold & Zucc.) Kosterm.**

*Bactrocera hyalina* (Ito, 1983)

***Phoebe lanceolata* (Nees) Nees**

*Bactrocera hyalina* (1)

LECYTHIDACEAE

***Careya arborea* Roxb.**

Patana oak

*Bactrocera careyae* (White & Elson-Harris, 1992)

*Bactrocera correcta* (5)

*Bactrocera dorsalis* (1)

*Bactrocera tuberculata* (8)

*Bactrocera zonata* (5)

***Careya sphaerica* Roxb.**

*Bactrocera correcta* (2)

*Bactrocera dorsalis* (2)

*Bactrocera papayae* (1)

*Bactrocera tuberculata* (20)

LOGANIACEAE

***Fagraea ceilanica* Thunb.**

*Bactrocera carambolae* (5)

*Bactrocera papayae* (2)

*Bactrocera tau* (2)

***Strychnos nux-vomica* L.**

strychnine tree

*Bactrocera* sp. nr *diaphoropsis* (1)

*Bactrocera tau* (1)

***Strychnos rupicola***

*Bactrocera tau* (1)

LORANTHACEAE

***Loranthus longiflorus***

*Ceratitella tomentosa* (Hancock & Drew, 1994b)

LYTHRACEAE

***Lagerstroemia indica* L.**

*Bactrocera latifrons* (1)

MALPIGHIACEAE

*Malpighia emarginata* Sesse & Moc.

West Indian cherry

*Bactrocera caryeae* (1)  
*Bactrocera correcta* (2)  
*Bactrocera dorsalis* (3)  
*Bactrocera papayae* (11)  
*Bactrocera zonata* (2)

MALVACEAE

*Abelmoschus esculentus* (L.) Moench

okra

*Bactrocera zonata* (White & Elson-Harris, 1992)

*Abelmoschus moschatus* Medik.

*Bactrocera cucurbitae* (1)

*Hibiscus tiliaceus* L.

*Acidoxantha hibisci* (Hardy, 1974) flowers

MELASTOMATACEAE

*Melastoma affine* D. Don

*Bactrocera osbeckiae* (1) flowers

*Melastoma malabathrica* L.

*Bactrocera melastomatos* (52) flowers

*Melastoma normale* D. Don

*Bactrocera osbeckiae* (12) flowers

*Melastoma polyanthum* Blume

*Bactrocera osbeckiae* (12) flowers

*Melastoma sanguineum* Sims

*Bactrocera melastomatos* (6) flowers

*Melastoma villosa* Aubl.

*Bactrocera osbeckiae* (4) flowers

*Melastoma* sp.

*Bactrocera kinabalu* (2) flowers

*Memecylon plebejum*

*Bactrocera osbeckiae* (1) flowers

*Osbeckia stellata* Wall. Ex C.B. Clarke in Hook. F.

*Bactrocera osbeckiae* (8) flowers

MELIACEAE

*Aglaia domestica* Pelleg.

*Bactrocera papayae* (5)

*Aglaia dookoo* Griff.

*Bactrocera carambolae* (3)

*Bactrocera papayae* (6)

*Aglaia* sp.

*Bactrocera limbifera* (2)

*Azadirachta excelsa* (Jack) M.Jacobs

*Bactrocera papayae* (6)

*Chukrasia velutina* Roem.

*Bactrocera dorsalis* (1)

*Lansium domesticum* Jack

langsar

*Bactrocera carambolae* (1)

*Bactrocera dorsalis* (1)

*Bactrocera papayae* (3)

*Sandoricum koetjape* (Burm. F.) Merr.

*Bactrocera carambolae* (2)

*Bactrocera correcta* (4)

*Bactrocera dorsalis* (20)

*Bactrocera irvingiae* (5)

*Bactrocera papayae* (65)

*Bactrocera raiensis* (11)

*Walsura intermedia* Craib.

*Bactrocera correcta* (2)

*Bactrocera dorsalis* (6)

MENISPERMACEAE

*Fibraurea tinctoria* Lour.

*Bactrocera papayae* (1)

MORACEAE

*Artocarpus altilis* (Parkinson) Fosberg

breadfruit

*Bactrocera carambolae* (1)

*Bactrocera dorsalis* (1)

*Bactrocera papayae* (17)

*Bactrocera philippinensis* (Drew & Hancock, 1994a)

*Bactrocera raiensis* (2)

*Bactrocera umbrosa* (4)

***Artocarpus elastica* Reinw.**

*Bactrocera carambolae* (1)  
*Bactrocera papayae* (3)

***Artocarpus comeziana* Wall. ex Trec.**

*Bactrocera carambolae* (Ranganath & Veenakumari, 1995)

***Artocarpus heterophyllus* Lam.**

jackfruit

*Bactrocera albistrigata* (2)  
*Bactrocera carambolae* (6)  
*Bactrocera dorsalis* (4)  
*Bactrocera irvingiae* (2)  
*Bactrocera papayae* (13)  
*Bactrocera umbrosa* (24)  
*Dimeringophrys pallidipennis* (1)

***Artocarpus incisa* (Thunb.) L. f.**

*Bactrocera umbrosa* (1)

***Artocarpus integer* (Thunb.) Merr.**

chempedak

*Bactrocera carambolae* (4)  
*Bactrocera correcta* (1)  
*Bactrocera papayae* (14)  
*Bactrocera umbrosa* (17)

***Artocarpus lakoocha* Roxb.**

*Bactrocera carambolae* (3)  
*Bactrocera papayae* (4)

***Artocarpus lanceifolius* Roxb.**

*Bactrocera dorsalis* (2)

***Artocarpus lanceolatus* Merr.**

*Bactrocera dorsalis* (5)  
*Bactrocera raiensis* (1)

***Artocarpus odoratissimus* Blanco**

marang

*Bactrocera carambolae* (1)  
*Bactrocera papayae* (1)

***Artocarpus rigidus* var. *asperulus* Jarrett**

*Bactrocera carambolae* (1)  
*Bactrocera papayae* (13)

***Artocarpus sericicarpus* Jarrett**

*Bactrocera papayae* (2)

***Ficus benjamina* L.**

weeping fig

*Bactrocera papayae* (2) [32 plant samples]

***Ficus chartacea* Wall.**

*Bactrocera papayae* (1) [81 plant samples]

*Bactrocera cucurbitae* (1)

***Ficus concatian***

*Bactrocera papayae* (1)

***Ficus eligodon***

*Bactrocera papayae* (1)

***Ficus fistulosa* Reinw. ex Blume**

*Bactrocera dorsalis* (1)

***Ficus grossularioides* Burm.f.**

*Bactrocera carambolae* (1)

***Ficus hirta* Vahl**

*Bactrocera dorsalis* (1) [39 plant samples]

***Ficus hispida* L.f.**

*Bactrocera carambolae* (1) [204 plant samples]

*Bactrocera papayae* (4)

***Ficus microcarpa* L.f.**

*Bactrocera papayae* (1)

***Ficus obpyramidiata* King**

*Bactrocera papayae* (1) [13 plant samples]

***Ficus racemosa* L.**

cluster fig

*Bactrocera dorsalis* (1) [42 plant samples]

*Bactrocera tau* (1)

***Ficus religiosa* L.**

*Bactrocera papayae* (1) [14 plant samples]

***Maclura cochinchinensis* (Lour.) Corner**

*Bactrocera dorsalis* (1)

***Morus alba* L.**

white mulberry

*Bactrocera papayae* (3) [16 plant samples]

***Morus nigra* L.**

mulberry

*Bactrocera papayae* (1)

***Pouroma paefolia***

*Bactrocera carambolae* (1)

***Streblus asper* Lour.**

*Bactrocera papayae* (1)

MORINGACEAE

***Moringa oleifera* Lam.**

*Diarrhegma modestum* (Hancock & Drew, 1994a)

MUSACEAE

***Musa acuminata* Colla**

dwarf banana

*Bactrocera dorsalis* (6)

*Bactrocera papayae* (2)

***Musa balbisiana* Colla**

*Bactrocera papayae* (2)

***Musa x paradisiaca* L.**

banana

*Bactrocera correcta* (3)

*Bactrocera dorsalis* (7)

*Bactrocera papayae* (161)

MYRISTICACEAE

***Horsfieldia subglobosa* Warb.**

*Bactrocera papayae* (1)

***Knema angustifolia* (Roxb.) Warb.**

*Bactrocera carambolae* (1)

*Bactrocera correcta* (1)

***Knema globularia* (Lam.) Warb.**

*Bactrocera papayae* (34)

***Knema missionis* (Wall.) Warb.**

*Bactrocera papayae* (1)

***Myristica fragrans* Houtt.**

nutmeg

*Bactrocera atrifemur* (1) [12 plant samples]



MYRSINACEAE  
*Ardisia crenata* Sims

*Bactrocera papayae* (1) [56 plant samples]

MYRTACEAE  
*Eugenia formosana* Hayata

*Bactrocera papayae* (1)

*Eugenia longiflora* (Presl.) F. Vill.

*Bactrocera papayae* (1)

*Eugenia megacarpa* Craib

*Bactrocera dorsalis* (1)

*Eugenia michelii* Lam.

*Bactrocera papayae* (1)

*Eugenia paniala* Roxburgh

*Bactrocera correcta* (8)  
*Bactrocera dorsalis* (12)

*Eugenia pseudosubtilis* King

*Bactrocera correcta* (1)  
*Bactrocera dorsalis* (1)  
*Bactrocera papayae* (2)

*Eugenia uniflora* L.  
Surinam cherry

*Bactrocera carambolae* (Yong, 1994a)  
*Bactrocera papayae* (1; Yong, 1994a)

*Psidium cattleianum* Sabine  
strawberry guava

*Bactrocera carambolae* (2)  
*Bactrocera papayae* (2)

*Psidium guajava* L.  
common guava

*Bactrocera albistrigata* (2)  
*Bactrocera carambolae* (179)  
*Bactrocera caryeae* (Drew & Hancock, 1994a)  
*Bactrocera correcta* (63)  
*Bactrocera cucurbitae* (3)  
*Bactrocera dorsalis* (114)  
*Bactrocera latifrons* (1)  
*Bactrocera nigrotibialis* (1)  
*Bactrocera occipitalis* (Drew & Hancock, 1994a)  
*Bactrocera papayae* (567)  
*Bactrocera pyrifoliae* (1)  
*Bactrocera tau* (2)  
*Bactrocera zonata* (White & Elson-Harris, 1992)

***Psidium guajava* var. *cujavillum* (Burman) Krug & Urban ex Urban**

*Bactrocera dorsalis* (2)

***Rhodomyrtus tomentosa* (Aiton) Hassk.**

*Bactrocera carambolae* (1) [64 plant samples]

*Bactrocera papayae* (5)

***Syzygium aqueum* (Burman f.) Alston**

watery rose-apple

*Bactrocera albistrigata* (White & Elson-Harris, 1992; Yong, 1994a)

*Bactrocera carambolae* (15)

*Bactrocera correcta* (4)

*Bactrocera dorsalis* (3)

*Bactrocera papayae* (12)

***Syzygium cumini* (L.) Skeels**

Java plum

*Bactrocera correcta* (2)

*Bactrocera dorsalis* (3)

***Syzygium grande* (Wight) Wall.**

*Bactrocera carambolae* (2)

*Bactrocera papayae* (5)

***Syzygium jambos* (L.) Alston**

rose-apple

*Bactrocera carambolae* (6)

*Bactrocera caryeae* (1)

*Bactrocera correcta* (4)

*Bactrocera dorsalis* (5)

*Bactrocera papayae* (10)

*Bactrocera zonata* (1)

***Syzygium malaccense* (L.) Merr. & L.M. Perry**

Malay-apple

*Bactrocera albistrigata* (7)

*Bactrocera carambolae* (17)

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (4)

*Bactrocera papayae* (26)

*Bactrocera philippinensis* (Drew & Hancock, 1994a)

***Syzygium samarangense* (Blume) Merr. & L.M. Perry**

water apple

*Bactrocera albistrigata* (31)

*Bactrocera carambolae* (39)

*Bactrocera correcta* (64)

*Bactrocera dorsalis* (70)

*Bactrocera papayae* (162)

*Bactrocera tuberculata* (1)

OLACACEAE

*Ochanostachys amentacea* Mast.

*Bactrocera carambolae* (1)

*Olax scandens* Roxb.

*Bactrocera correcta* (10)

*Bactrocera dorsalis* (3)

*Schoepfia fragrans* Wall. in Roxb.

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (2)

OLEACEAE

*Linociera parkinsoni*

*Bactrocera latifrons* (6)

*Bactrocera papayae* (2)

*Linociera ramiflora* (Roxb.) Wall. ex G. Don.

*Bactrocera abbreviata* (1)

*Euphranta songkhla* (1)

*Linociera xanthocarpum*

*Bactrocera latifrons* (1)

*Myxopyrum smilacifolium* Blume

*Bactrocera dorsalis* (2)

*Bactrocera tau* (3)

*Euphranta myxopyrae* (2)

*Olea salicifolia*

*Bactrocera abbreviata* (1)

*Osmanthus insularis* Koidz.

*Bactrocera matsumurai* (Ito, 1983)

OROBANCHACEAE

*Aeginetia indica* L.

*Euphranta apicalis* (Hardy, 1994) stems

OXALIDACEAE

*Averrhoa bilimbi* L.

bilimbi

*Bactrocera carambolae* (5) [94 plant samples]

*Bactrocera papayae* (4)

***Averrhoa carambola* L.**

carambola, starfruit

*Bactrocera carambolae* (139)

*Bactrocera correcta* (11)

*Bactrocera dorsalis* (45)

*Bactrocera papayae* (289)

PASSIFLORACEAE

***Passiflora edulis* Sims**

purple granadilla

*Bactrocera papayae* (31)

***Passiflora foetida* L.**

wild waterlemon

*Bactrocera latifrons* (2) [148 plant samples]

*Bactrocera papayae* (9)

***Passiflora quadrangularis* L.**

giant granadilla

*Bactrocera papayae* (1)

POACEAE

***Bambusa dolichoclada* Hayata**

*Acroceratitis plumosa* (Shiraki, 1933) shoots

*Gastrozonia fasciventris* (Shiraki, 1933) shoots

***Bambusa glaucescens* (Willd.) Siebold ex Munro**

*Gastrozonia fasciventris* (1) shoots

*Taeniostola vittigera* (1) shoots

***Bambusa nutans* G.C. Wall. ex Munro**

*Taeniostola vittigera* (1) shoots

***Bambusa oldhamii* Munro**

*Acroceratitis plumosa* (Shiraki, 1933) shoots

*Gastrozonia fasciventris* (Shiraki, 1933) shoots

***Bambusa pallida* Munro**

*Acroceratitis distincta* (1) shoots

*Acroceratitis tomentosa* (1) shoots

*Phaeospilodes fenestella* (1) shoots

***Bambusa shimadai* Hayata**

*Gastrozonia fasciventris* (Shiraki, 1933) shoots

***Bambusa stenostachya* Hack.**

*Acroceratitis plumosa* (Shiraki, 1933) shoots

*Gastrozonia fasciventris* (Shiraki, 1933) shoots

***Bambusa tulda* Roxb.**

*Acroceratitis ceratitina* (1) shoots  
*Acroceratitis distincta* (3) shoots  
*Acroceratitis tomentosa* (1) shoots  
*Gastrozona fasciventris* (1) shoots

***Bambusa tuldoides* Munro**

puntingpole bamboo

*Gastrozona fasciventris* (White & Elson-Harris, 1992) shoots

***Bambusa vulgaris* Schrad. ex Wendl.**

*Acanthonevra dunlopi* (2) decaying shoots  
*Acroceratitis distincta* (1) shoots  
*Acroceratitis tomentosa* (1) shoots  
*Acrotaeniostola quinaria* (1) shoots  
*Chaetellipsis paradoxa* (3) shoots  
*Gastrozona fasciventris* (3) shoots

***Bambusa* sp.**

*Acanthonevra dunlopi* (1) decaying shoots  
*Acroceratitis distincta* (1) shoots  
*Acrotaeniostola quinaria* (1) shoots  
*Acrotaeniostola sexvittata* (Shiraki, 1933) shoots  
*Chaetellipsis bivittata* (1) shoots  
*Gastrozona fasciventris* (1) shoots  
*Taeniostola vittigera* (1) shoots

***Dendrocalamus asper* (Schult. f.) Backer ex K. Heyne**

*Acroceratitis ceratitina* (1) shoots  
*Acroceratitis distincta* (2) shoots  
*Gastrozona fasciventris* (4) shoots  
*Gastrozona soror* (1) shoots  
*Taeniostola vittigera* (3) shoots

***Dendrocalamus giganteus* Munro**

giant bamboo

*Acroceratitis striata* (White & Elson-Harris, 1992) shoots  
*Chaetellipsis paradoxa* (2) shoots  
*Gastrozona fasciventris* (2) shoots

***Dendrocalamus hamiltonii* Nees & Arn. ex Munro**

*Gastrozona fasciventris* (1) shoots  
*Taeniostola vittigera* (1) shoots

***Dendrocalamus latiflorus* Munro**

*Acroceratitis plumosa* (White & Elson-Harris, 1992) shoots  
*Gastrozona fasciventris* (White & Elson-Harris, 1992) shoots

***Dendrocalamus membranaceus* Munro**

*Acroceratitis ceratitina* (3) shoots  
*Acroceratitis tomentosa* (2) shoots

***Dendrocalamus nudus* Pilg.**

*Acanthonevra dunlopi* (1) decaying shoots

***Dendrocalamus strictus* (Roxb.) Nees**  
male bamboo

*Acroceratitis distincta* (1) shoots

*Acroceratitis striata* (White & Elson-Harris, 1992) shoots

*Acrotaeniostola quinaria* (1) shoots

*Phaeospilodes fenestella* (1) shoots

***Gigantochloa albociliata* (Munro) Kurz**

*Acroceratitis histrionica* (3) shoots

*Xanthorrhachis annandalei* (1) shoots

***Gigantochloa auriculata* (Kurz) Kurz**

*Gastrozona fasciventris* (1) shoots

*Taeniostola vittigera* shoots

***Gigantochloa nigrociliata* (Büse) Kurz**

*Gastrozona fasciventris* (1) shoots

***Gigantochloa scortechinii* Gamble**

*Felderimyia gombakensis* (Hancock & Drew, 1995b) shoot internodes

*Taeniostola limbata* (Kovac & Azarae, 1994) shoots

***Gigantochloa upus* (Schult.) Kurz.**

*Acroceratitis tomentosa* (1) shoots

***Phyllostachys mackinoi* Hayata**

*Acroceratitis plumosa* (Shiraki, 1933) shoots

*Gastrozona fasciventris* (Shiraki, 1933) shoots

***Phyllostachys nigripes* Hayata**

*Acroceratitis plumosa* (Shiraki, 1933) shoots

*Gastrozona fasciventris* (Shiraki, 1933) shoots

*Taeniostola vittigera* (Shiraki, 1933) shoots

***Phyllostachys pubescens* (Carrière) Mazel ex J. Houz.**

*Acroceratitis plumosa* (White & Elson-Harris, 1992) shoots

*Gastrozona fasciventris* (White & Elson-Harris, 1992) shoots

***Sasa* sp.**

*Paragastrozona japonica* (Kwon, 1985) shoots

***Thyrostachys siamensis* Gamble**

*Acroceratitis distincta* (1) shoots

*Gastrozona fasciventris* (1) shoots

**Unidentified bamboo species**

*Acanthonevra ochroleuca* (Hancock & Drew, 1995a) decaying shoots  
*Acanthonevra unicolor* (Hancock & Drew, 1995a) decaying shoots  
*Acanthonevra vaga* (Hancock & Drew, 1995a) decaying shoots  
*Acrotaeniostola scutellaris* (Kwon, 1985) shoots  
*Phaeospilodes bambusae* (Hardy, 1973) shoots  
*Ptilona confinis* (Hancock & Drew, 1994a) stems

POLYGALACEAE

***Xanthophyllum amoenum* Chodat**

*Bactrocera carambolae* (2)

***Xanthophyllum flavescens* Roxb.**

*Bactrocera dorsalis* (4)  
*Bactrocera pyrifoliae* (1)  
*Bactrocera tuberculata* (1)

PUNICACEAE

***Punica granatum* L.**

pomegranate

*Bactrocera carambolae* (1) [26 plant samples]  
*Bactrocera latifrons* (1)  
*Bactrocera papayae* (1)  
*Bactrocera zonata* (White & Elson-Harris, 1992)

RHAMNACEAE

***Ziziphus jujuba* Mill.**

common jujube

*Bactrocera carambolae* (1)  
*Bactrocera correcta* (105)  
*Bactrocera cucurbitae* (2)  
*Bactrocera dorsalis* (62)  
*Bactrocera papayae* (2)  
*Carpomya vesuviana* (62)

***Ziziphus mauritiana* Lam.**

Indian jujube

*Bactrocera correcta* (5)  
*Bactrocera dorsalis* (2)  
*Bactrocera papayae* (120)  
*Carpomya vesuviana* (25)

***Ziziphus nummularia* Aubrév.**

*Carpomya vesuviana* (White & Elson-Harris, 1992)

***Ziziphus oenoplia* Mill.**

*Bactrocera correcta* (10)  
*Bactrocera dorsalis* (13)  
*Bactrocera papayae* (5)

***Ziziphus rotundifolia* Lamk. cv. jhar ber**

*Bactrocera correcta* (13)  
*Bactrocera dorsalis* (6)  
*Bactrocera latifrons* (1)  
*Carpomya vesuviana* (4)

RHIZOPHORACEAE

***Pellacalyx saccardianus* Scort.**

*Bactrocera carambolae* (1)

***Rhizophora mucronata* Lam.**

mangrove

*Euphranta signatifacies* (1)

***Rhizophora* sp.**

mangrove

*Bactrocera carambolae* (1)

*Bactrocera papayae* (1)

ROSACEAE

***Cydonia oblonga* Mill.**

quince

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Eriobotrya japonica* (Thunb.) Lindl.**

loquat

*Bactrocera papayae* (1)

***Malus domestica* Borkh.**

apple

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Malus pumila* (L.) Mill.**

paradise apple

*Bactrocera dorsalis* (3)

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Prunus avium* (L.) L.**

sweet cherry

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (1)

*Euphranta japonica* (White & Elson-Harris, 1992)

***Prunus cerasoides* D. Don**

*Bactrocera dorsalis* (1)

*Bactrocera pyrifoliae* (3)



***Prunus cerasus* L.**

sour cherry

*Bactrocera correcta* (4)

*Bactrocera dorsalis* (1)

***Prunus domestica* L.**

plum

*Bactrocera dorsalis* (1)

***Prunus mume* Siebold & Zucc.**

*Bactrocera dorsalis* (1)

***Prunus persica* (L.) Batsch**

peach

*Bactrocera correcta* (White & Elson-Harris, 1992)

*Bactrocera dorsalis* (12)

*Bactrocera papayae* (1)

*Bactrocera pyriformis* (7)

*Bactrocera tuberculata* (4)

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Pyrus pyrifolia* (Burm. f.) Nakai**

sand pear

*Bactrocera dorsalis* (4)

*Bactrocera pyriformis* (2)

RUBIACEAE

***Anthocephalus chinensis* (Lam.) Rich. ex Walp.k**

adam

*Bactrocera papayae* (30)

***Coffea arabica* L.**

arabica coffee

*Anomoia alboscuteolata* (Hancock & Drew, 194a) green twigs

*Bactrocera dorsalis* (4)

***Coffea canephora* Pierre ex A. Froehner**

robusta coffee

*Bactrocera papayae* (1) [41 plant samples]

***Ixora duffii* T. Moore**

*Bactrocera papayae* (2) [49 plant samples]

***Ixora javanica* (Bl.) DC.**

*Bactrocera papayae* (5) [98 plant samples]

***Morinda citrifolia* L.**

*Bactrocera papayae* (4) [177 plant samples]

***Morinda coreia* Buch.-Ham.**

*Bactrocera papayae* (1) [14 plant samples]

***Morinda elliptica* (Hk.f.) Ridl.**

*Bactrocera papayae* (2) [152 plant samples]

***Morinda umbellata* L.**

*Bactrocera papayae* (1) [33 plant samples]

***Nauclea orientalis* (L.) L.**

*Bactrocera papayae* (7) [32 plant samples]

***Ochreinauclea maingayi* (Hook. f.) Ridsd.**

*Bactrocera papayae* (2)

RUTACEAE

***Aegle marmelos* (L.) Correa**

Indian bael

*Bactrocera caryeae* (1)

*Bactrocera dorsalis* (3)

*Bactrocera zonata* (2)

**X *Citrofortunella mitis* (Blanco) J. Ingram & H. Moore**  
(previously *Citrus mitis*)

*Bactrocera carambolae* (1)

*Bactrocera papayae* (20)

***Citrus aurantifolia* (Christm.) Swingle**

lime

*Bactrocera carambolae* (1)

*Bactrocera dorsalis* (1)

*Bactrocera latifrons* (1)

*Bactrocera papayae* (9)

*Monacrostichus citricola* (3)

***Citrus aurantium* L.**

sour orange

*Bactrocera minax* (White & Elson-Harris, 1992)

*Bactrocera tsuneonis* (White & Elson-Harris, 1992)

***Citrus grandis* (Burm. Ex Rumph.) Merr.**

pummelo

*Bactrocera caryeae* (1)

*Bactrocera correcta* (1)

*Bactrocera dorsalis* (2)

*Bactrocera minax* (White & Elson-Harris, 1992)

*Bactrocera papayae* (15)

*Monacrostichus citricola* (White & Elson-Harris, 1992)

***Citrus halimii* Stone**

*Monacrostichus malaysiae* (Drew & Hancock, 1994b)

***Citrus hystrix* DC.**

wild lime

*Bactrocera cucurbitae* (2)

*Bactrocera papayae* (8)

*Monacrostichus citricola* (33)

***Citrus limetta* Risso**

sweet lime

*Monacrostichus citricola* (White & Elson-Harris, 1992)

***Citrus limon* (L.) Burm. f.**

lemon

*Bactrocera carambolae* (2)

*Bactrocera minax* (White & Elson-Harris, 1992)

*Bactrocera papayae* (4)

*Monacrostichus citricola* (White & Elson-Harris, 1992)

***Citrus madurensis* Lour.**

*Bactrocera carambolae* (Yong, 1994a)

*Bactrocera papayae* (Yong, 1994a)

***Citrus medica* L.**

citron

*Bactrocera minax* (White & Elson-Harris, 1992)

***Citrus microcarpa* Bunge**

musk lime

*Bactrocera occipitalis* (1) [13 plant samples]

***Citrus paradisi* Macfad.**

grapefruit

*Bactrocera carambolae* (Yong, 1994a)

*Bactrocera papayae* (Yong, 1994a)

***Citrus reticulata* Blanco**

tangerine

*Bactrocera carambolae* (1)

*Bactrocera correcta* (7)

*Bactrocera dorsalis* (18)

*Bactrocera minax* (White & Elson-Harris, 1992)

*Bactrocera papayae* (18)

*Bactrocera tsuneonis* (White & Elson-Harris, 1992)

*Monacrostichus citricola* (1)

***Citrus sinensis* (L.) Osbeck**

sweet orange

*Bactrocera minax* (White & Elson-Harris, 1992; Liang et al., 1993)

*Bactrocera papayae* (1)

*Bactrocera tsuneonis* (White & Elson-Harris, 1992)

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Citrus tangeriana* Tanaka**

*Bactrocera caryeae* (Drew & Hancock, 1994a)

*Bactrocera minax* (White & Elson-Harris, 1992)

*Bactrocera tsuneonis* (White & Elson-Harris, 1992; Liang et al., 1993)

***Clausena excavata* Burm. f.**

*Callistomyia pavonina* (1) [42 plant samples]

***Clausena lansium* (Lour.) Skeels**

wampi

*Bactrocera papayae* (1)

***Fortunella crassifolia* Swingle**

meiwa kumquat

*Bactrocera minax* (White & Elson-Harris, 1992)

*Bactrocera tsuneonis* (White & Elson-Harris, 1992)

***Fortunella japonica* (Thunb.) Swingle**

round kumquat

*Bactrocera tsuneonis* (White & Elson-Harris, 1992)

***Fortunella margarita* (Lour.) Swingle**

oval kumquat

*Bactrocera carambolae* (Yong, 1994a)

*Bactrocera papayae* (Yong, 1994a)

*Bactrocera tsuneonis* (White & Elson-Harris, 1992)

***Fortunella polyandria* Tanaka**

*Bactrocera carambolae* (1; Yong, 1994a)

*Bactrocera papayae* (Yong, 1994a)

***Glycosmis pentaphylla* (Retz.) A.P. DC.**

*Bactrocera papayae* (2)

*Callistomyia pavonina* (56)

***Glycosmis puberula***

*Callistomyia pavonina* (1)

***Murraya paniculata* (L.) Jack.**

orange jessamine

*Bactrocera latifrons* (1)

*Bactrocera papayae* (21)

***Paramignya andamanica* (King) Tanaka**

*Bactrocera carambolae* (Ranganath & Veenakumari, 1995)

***Tetractomia majus***

*Bactrocera carambolae* (1)

***Triphasia trifolia* (Burman f.) P. Wilson  
limeberry**

*Bactrocera carambolae* (Yong, 1994a)

*Bactrocera papayae* (Yong, 1994a)

SAPINDACEAE

***Dimocarpus longan* Lour.  
longan**

*Bactrocera correcta* (2)

*Bactrocera dorsalis* (10)

***Lepisanthes alata***

*Bactrocera carambolae* (Yong, 1994a)

*Bactrocera papayae* (Yong, 1994a)

***Lepisanthes fruticosa* (Roxb.) Leenh.  
luna nut**

*Bactrocera correcta* (1) [24 plant samples]

*Bactrocera dorsalis* (1)

***Lepisanthes rubiginosa* (Roxb.) Leenh.**

*Bactrocera papayae* (2) [27 plant samples]

***Lepisanthes tetraphylla* (Vahl) Radlk.**

*Bactrocera dorsalis* (3)

***Litchi chinensis* Sonn.  
lychee**

*Bactrocera dorsalis* (2)

***Nephelium eriopetalum* Miq.**

*Bactrocera papayae* (1)

***Nephelium lappaceum* L.  
rambutan**

*Bactrocera dorsalis* (1)

*Bactrocera papayae* (20)

*Xarnuta leucotela* (Hennig, 1953) mine leaves/leaf veins

*Xarnuta obsoleta* (Hennig, 1953) mine leaves/leaf veins

***Sapindus rarak* DC.**

*Bactrocera latifrons* (1)

SAPOTACEAE

***Chrysophyllum cainito* L.**

star-apple

*Bactrocera carambolae* (1)  
*Bactrocera dorsalis* (5)  
*Bactrocera papayae* (9)

***Manilkara littoralis* (Kurz.)**

*Bactrocera carambolae* (Ranganath & Veenakumari, 1995)

***Manilkara zapota* (L.) P. Royen**

sapodilla

*Bactrocera carambolae* (16)  
*Bactrocera correcta* (19)  
*Bactrocera cucurbitae* (1)  
*Bactrocera dorsalis* (19)  
*Bactrocera papayae* (89)  
*Bactrocera tau* (1)  
*Bactrocera tuberculata* (2)  
*Bactrocera versicolor* (White & Elson-Harris, 1992)

***Mimusops elengi* L.**

Spanish cherry

*Bactrocera albistrigata* (1)  
*Bactrocera carambolae* (Ranganath & Veenakumari, 1995)  
*Bactrocera correcta* (10)  
*Bactrocera dorsalis* (7)  
*Bactrocera papayae* (7)

***Palaquium maingayi* Engl.**

*Adrama rufiventris* (1) [36 plant samples]  
*Bactrocera papayae* (1)

***Palaquium* sp.**

*Bactrocera dorsalis* (2)

***Planchonella longipetiolatum* (King & Prail)**

*Bactrocera carambolae* (Ranganath & Veenakumari, 1995)

***Planchonella* sp.**

*Bactrocera dorsalis* (1)  
*Bactrocera tuberculata* (4)

***Pouteria caimito* (Ruiz & Pav.) Radlk.**

abiu

*Bactrocera papayae* (1)

***Pouteria campechiana* (Kunth.) Baehni**

egg-fruit tree

*Bactrocera carambolae* (1)

***Pouteria duklitan* (Blanco) Baehni**

- Bactrocera dorsaloides* (Drew & Hancock, 1994a)  
*Bactrocera philippinensis* (Drew & Hancock, 1994a)

***Pouteria macranthum* (Merr.) Baehni**  
(previously *Sideroxylum macranthum*)

- Bactrocera dorsaloides* (Drew & Hancock, 1994a)  
*Bactrocera quasipropinqua* (Drew & Hancock, 1994a)

***Pouteria sapota* (Jacq.) H.E. Moore & Stearn**  
sapote

- Bactrocera caryeae* (1)

SIMAROUBACEAE

***Irvingia malayana* Oliver ex Bennett**

- Bactrocera carambolae* (1)  
*Bactrocera correcta* (2)  
*Bactrocera dorsalis* (8)  
*Bactrocera irvingiae* (9)  
*Bactrocera papayae* (1)

SOLANACEAE

***Capsicum annuum* L.**  
bell pepper, capsicum

- Bactrocera carambolae* (1)  
*Bactrocera dorsalis* (4)  
*Bactrocera latifrons* (123)  
*Bactrocera papayae* (19)

***Lycianthes macrodon* (Wall. ex Nees) Bitter**  
(previously *Solanum macrodon*)

- Bactrocera latifrons* (6)

***Lycium turcomanicum* Turcz. ex Miers**

- Neoceratitis asiatica* (Hancock & Drew, 1994b)

***Lycopersicon esculentum* Mill.**  
tomato

- Bactrocera carambolae* (1)  
*Bactrocera cucurbitae* (2)  
*Bactrocera latifrons* (4)  
*Bactrocera papayae* (1)

***Physalis minima* L.**  
letup - letup

- Bactrocera papayae* (2)

***Solanum aculeatissimum* Jacq.**

*Bactrocera latifrons* (197)  
*Bactrocera papayae* (18)

***Solanum anguivi* Lam.**  
(previously *S. indicum*)

*Bactrocera latifrons* (8)

***Solanum donianum* Walp.**  
(previously *S. verbascifolium*)

*Bactrocera latifrons* (Hardy, 1973)  
*Bactrocera verbascifoliae* (66)

***Solanum ferox* L.**

*Bactrocera carambolae* (1)  
*Bactrocera papayae* (1)

***Solanum granuloso-leprosum* Dunal**  
(previously *S. erianthum*)

*Bactrocera latifrons* (2)  
*Bactrocera papayae* (6)  
*Bactrocera verbascifoliae* (39)

***Solanum incanum* L.**

*Bactrocera latifrons* (41)  
*Bactrocera papayae* (1)

***Solanum mammosum* L.**

*Bactrocera latifrons* (1)

***Solanum melongena* L.**  
eggplant, aubergine

*Bactrocera latifrons* (89)  
*Bactrocera papayae* (7)

***Solanum mauritianum* Scop.**

*Bactrocera verbascifoliae* (1)

***Solanum nigrum* L.**  
black nightshade

*Bactrocera latifrons* (8)

***Solanum sanitwongsei* Craib**

*Bactrocera latifrons* (30)

***Solanum sarmentosum* Nees**

*Bactrocera latifrons* (Hardy, 1973)



***Solanum sisymbriifolium* Lam.**

*Bactrocera latifrons* (White & Elson-Harris, 1992)

***Solanum stramonifolium* Jacq.**

*Bactrocera latifrons* (1) [71 plant samples]

*Bactrocera papayae* (5)

***Solanum torvum* Sw.**

terongan

*Bactrocera latifrons* (145)

*Bactrocera papayae* (10)

***Solanum trilobatum* L.**

*Bactrocera dorsalis* (2)

*Bactrocera cucurbitae* (2)

*Bactrocera latifrons* (42)

*Euphranta solaniferae* (1)

STAPHYLEACEAE

***Turpinia pomifera* (Roxb.) DC.**

*Euphranta corticicola* (1)

*Euphranta turpiniae* (8)

STERCULIACEAE

***Theobroma cacao* L.**

cocoa

*Bactrocera papayae* (1) [17 plant samples]

SYMPLOCACEAE

***Symplocos cochinchinensis* (Lour.) S. Moore**

*Bactrocera carambolae* (1)

*Bactrocera pendleburyi* (1)

***Symplocos racemosa* Roxb.**

*Bactrocera pendleburyi* (1)

*Euphranta turpiniae* (1)

THEACEAE

***Camellia japonica* L.**

common camellia

*Euphranta camelliae* (White & Elson-Harris, 1992)

***Camellia sinensis* (L.) Kuntze**

tea

*Adrama apicalis* (White & Elson-Harris, 1992) seeds

*Adrama austeni* (White & Elson-Harris, 1992) seeds

*Adrama determinata* (White & Elson-Harris, 1992) seeds

***Camellia* sp.**

*Euphranta mikado* (White & Elson-Harris, 1992)

TILIACEAE

***Grewia asiatica* L.**

phalsa

*Bactrocera zonata* (White & Elson-Harris, 1992)

***Grewia paniculata* Roxb. ex DC.**

*Bactrocera papayae* (2) [43 plant samples]

ULMACEAE

***Celtis tetrandra* Roxb.**

*Bactrocera papayae* (4) [22 plant samples]

VERBENACEAE

***Avicennia officinalis* L.**

mangrove

*Euphranta signatificias* (10)

***Callicarpa arborea* Roxb.**

*Philophylla fossata* (5)

***Callicarpa longifolia* Lam.**

*Bactrocera papayae* (1)

*Philophylla fossata* (8)

***Clerodendrum glandulosum* Colebr. ex Wall.**

*Philophylla fossata* (3)

***Clerodendrum inerme* (L.) Gaertn.**

*Philophylla superflucta* (Hardy, 1973) seeds

***Clerodendrum venosum***

*Philophylla fossata* (1)

***Clerodendrum wallichii* Merr.**

*Philophylla fossata* (1)

***Gmelina arborea* Roxb.**

*Bactrocera pendleburyi* (1)

***Gmelina asiatica* L.**

*Philophylla kraussi* (1)

***Gmelina elliptica* Sm.**

*Bactrocera albistrigata* (1)

*Bactrocera papayae* (2)

*Philophylla kraussi* (26)

***Gmelina philippensis* Cham.**

*Bactrocera latifrons* (1)

*Bactrocera papayae* (5)

*Philophylla kraussi* (226)

***Premna corymbosa* (Burm. f.) Rottler & Willd.**

(previously *P. cordifolia*)

*Philophylla connexa* (1)

***Premna serratifolia* L.**

*Bactrocera papayae* (1)

***Premna* sp.**

*Philophylla connexa* (1)

VITACEAE

***Cissus repens* Lam.**

*Bactrocera papayae* (1) [20 plant records]

***Tetragymma lanceolarium* (Roxb.) Planch.**

*Bactrocera cucurbitae* (2)

*Bactrocera tau* (1)

ZINGIBERACEAE

***Alpinia mutica* Roxb.**

*Bactrocera papayae* (2) [53 plant samples]

**Section 3:** Plants surveyed from which no flies were reared. (Number in brackets = number of samples).

ACANTHACEAE

*Acanthus ebracteatus* Vahl. (1)

*Pseuderanthemum graciliflorum* (Nees) Ridley (3)

*Ruellia tuberosa* L. (1)

*Thunbergia laurifolia* Lindl. (1)

ACTINIDIACEAE

- Saurauia nepaulensis* DC. (1)
- S. nudiflora* DC. (3)
- S. pentapetala* (Jack) Hougl. (6)

AGAVACEAE

- Cordyline fruticosa* Goepf. (22)
- C. terminalis* Kunth. (1)
- Dracaena fragrans* (L.) Ker-Gawl. (1)
- D. godseffiana* Hort. (1)
- D. gracilis* Wall. Ex Baker (1)
- D. hookeriana* K. Koch (1)
- D. spicata* Roxb. (1)
- Sansevieria trifasciata* Prain (1)

ALLIACEAE

- Allium cepa* L. (1)

ANACARDIACEAE

- Buchanania arborescens* Blume (5)
- B. glabra* Wall. (5)
- B. sessilifolia* Blume (3)
- Camptosperma squamatum* Ridley (2)
- Dracontomelon mangiferum* Blume (13)
- Gluta obovata* Craib (1)
- G. renghas* L. (6)
- Mangifera quadrifida* Jack (1)
- M. torquenda* Kosterm. (2)
- Melanochyla fulvinervis* (Bl.) Ding Hou (1)
- Pentaspadon velutinus* Hook. f. (1)
- Rhus rhesoides* Craib. (1)

ANNONACEAE

- Anaxagorea javanica* Blume (4)
- Anomianthus dulcis* (Dunal) (5)
- A. heterocarpus* Zoll. (4)
- Artabotrys harmandii* Finet & Gagnep. (1)
- A. suaveolens* Blume (6)
- Cyathostemma micranthum* (A. DC.) (1)
- Desmos dasymaschala* (Blume) (2)
- D. dumosus* (Roxb.) (2)
- D. dunalii* (Hook. f. & Thoms.) (1)
- Ellipanthus tomentosus* Kurz (2)
- Mitrephora vulpina* C.E.C. Fischer (1)
- Polyalthia cauliflora* Hook. f. & Thoms. (1)
- P. debilis* Finet & Gagnep. (7)
- P. glauca* Boerl. (1)
- P. jucunda* Finet & Gagnep. (2)
- P. rumphii* Merrill (1)
- P. sclerophylla* Hook. f. & Thoms. (1)
- Rauwenhoffia siamensis* Scheff. (76)
- Uvaria leptopoda* (King) (1)
- U. rufa* Wall. (2)

APOCYNACEAE

- Alstonia macrophylla* Wall. (2)
- Alyxia reinwardtii* Blume (1)
- Carissa grandiflora* A. DC. (1)

*Catharanthus roseus* G. Don (1)  
*Cerbera manghas* L.(11)  
*Chilocarpus cuneifolius* Kerr (1)  
*Holarrhena densiflora* Ridley (25)  
*Hunteria zeylanica* (Retz.) Gardn. ex Thw. (5)  
*Melodinus* sp. (1)  
*Plumeri acutifolia* Poir.(1)  
*Rauvolfia ophiorrhizoides* (Kurz) Kerr in Craib (1)  
*R. serpentina* (L.) (1)  
*R. sumatrana* Jack (6)  
*Tabernaemontana peduncularis* Wall.(1)  
*Willughbeia edulis* Roxb.(1)

AQUIFOLIACEAE

*Ilex umbellulata* Loes.(2)

ARECACEAE

*Arenga caudata* (Lour.) H.E.Moore (5)  
*A. hookeri* (6)  
*Bactris gasipaes* Kunth (1)  
*Borassodendron machadonis* (1)  
*Calamus caesius* Blume (27)  
*C. gibbsianus* Becc.(2)  
*Caryota urens* L.(8)  
*Chrysalidocarpus lutescens* H. Wendl.(4)  
*Daemonorops angustifolia* (Griff.) Mart.(19)  
*Elaeis guineensis* Jacq.(19)  
*Iguanura geonomaeformis* (3)  
*Korthalsia laciniosa* (1)  
*Licuala rumphii* Blume (1)  
*L. spinosa* Thunb.(19)  
*Metroxylon sagu* Rottb.(2)  
*Nypa fruticans* Wurmmb.(1)  
*Pinanga crassipes* (2)  
*P. dicksonii* Bl. (23)  
*P. limosa* (2)  
*P. paradoxa* (1)  
*P. riparia* Ridl.(1)  
*Ptychosperma macarthurii* (H. Wendl.) Nichols.(65)  
*P. elegans* (R. Br.) Blume (1)  
*Roystonea regia* (Kunth) Cook (4)  
*Salacca edulis* Reinw.(3)  
*Washingtonia filifera* (Linden) H. Wendl.(13)

ARACEAE

*Aglaonema commutatum* Schott (2)  
*A. nitidum* Kunth (18)  
*A. tenuipes* Engl.(2)  
*Alocasia denudata* Engl.(18)  
*Amorphophallus campanulatus* Blume (32)  
*Amydrium medium* (Zoll.& Mor.) D.H. Nicolson (1)  
*Anadendrum montanum* Schott (2)  
*Colocasia esculenta* (L.) Schott (2)  
*Monstera deliciosa* Liebm.(1)  
*Piptospatha* sp. (1)  
*Pothos kingii* Hook. f. (18)  
*Pothos macrocephalus* Scortech. ex Hook. f.(2)  
*Schismatoglottis wallichii* Hook. f.(2)

ARALIACEAE

- Aralidium pinnatifidum* Miq.(5)  
*Polyscias fruticosa* (L.) Harms (11)  
*Schefflera venulosa* (Wight & Arn.) Harms (1)  
*Trevesia valida* (3)

ARISTOLOCHIACEAE

- Aristolochia indica* L.(1)  
*A. tagala* Cham.(5)

ASCLEPIADACEAE

- Marsdenia* sp. (1)

BALSAMINACEAE

- Impatiens balsamina* L.(1)

BASELLACEAE

- Basella alba* L.(16)

BIGNONIACEAE

- Crescentia cujete* L.(9)  
*Dolichandrone spathacea* (L.f.) Schumann (1)  
*Fernandoa adenophylla* (Wall. ex G. Don) C.G.G.J. van Steenis (2)  
*Jacaranda filicifolia* D. Don (1)  
*Tecoma stans* (L.) Kunth (1)

BIXACEAE

- Bixa orellana* L. (9)

BOMBACACEAE

- Ceiba pentandra* (L.) Gaertner (4)  
*Durio zibethinus* Murray (9)  
*Neesia altissima* (Bl.) Bl. (1)

BROMELIACEAE

- Ananas comosus* (L.) Merr.(8)

BORAGINACEAE

- Cordia cochinchinensis* Gagnepain (4)  
*Tournefortia ovata* Wall.(1)

BURSERACEAE

- Canarium ovatum* Engl.(1)  
*C. strictum* Roxb.(2)  
*Garuga pinnata* Roxb.(10)  
*Protium serratum* Engl.(3)  
*Santiria apiculata* A.W. Benn (1)  
*S. tomentosa* Blume (1)

CACTACEAE

- Cereus hexagonus* Mill.(9)

CAMPANULACEAE

- Lobelia borneensis* (Hemsley) Moel.(1)  
*Pratia nummularia* (Lam) A. Braun & Asch.(1)

CANNACEAE

*Canna indica* L.(3)

CAPPARACEAE

*Capparis flavicans* Wall.(2)

*C. versicolor* Griff.(1)

*Crateva magna* DC.(1)

*C. roxburghii* R. Br.(1)

CAPRIFOLIACEAE

*Sambucus simpsonii* Rehder (1)

*Viburnum cylindricum* Buch. Ham. ex D. Don (2)

*V. foetidum* Wall.(1)

CECROPIACEAE

*Poikilospermum amoenum* (1)

*P. suaveolens* (Bl.) Merr.(11)

CELASTRACEAE

*Bhesa paniculata* Wall. ex Arn.(1)

*Celastrus paniculatus* Willd.(8)

*Euonymus colonoides* (1)

*E. javanicus* Blume (1)

*Microtropis* sp. (1)

CHLORANTHACEAE

*Chloranthus elatior* R. Br.(15)

*C. inconspicuus* SW.(1)

CLUSIACEAE

*Calophyllum calaba* L.(2)

*C. floribundum* Hook. f.(1)

*C. tetrapterum* (2)

*Cratoxylum cochinchinense* (Lour.) Bl.(11)

*Garcinia acuminata* Planch. & Triana (1)

*G. eugeniaefolia* Wall. ex. T. Anders.(1)

*Mesua kunstleri* (King) Kosterm. (10)

*M. lepidota* T. Anders. (1)

COCHLOSPERMACEAE

*Cochlospermum religiosum* (L.) Alston (3)

COLCHICACEAE

*Gloriosa superba* L.(1)

COMBRETACEAE

*Combretum procursum* Craib.(1)

*C. trifoliatum* Vent.(9)

*Lumnitzera racemosa* Willd.(2)

*Terminalia bellirica* (Gaertner) Roxb.(5)

*T. chebula* (Gaertner) Retz.(2)

COMMELINACEAE

*Amischotolype glabrata* Hassk.(1)

*Aneilema conspicuum* Kunth (3)

*Pollia thyrsoflora* Endl.(1)

CONNARACEAE

- Cnestis palala* (Lour.) Merr.(1)  
*C. platantha* Griff.(1)  
*Connarus cochinchinensis* Pierre (5)  
*C. semidecandrus* Jack (1)  
*Rourea minor* (Gaertn.) Leenh.(1)

CONVOLVULACEAE

- Aniseia martinicensis* (Jacq.) Choisy (1)  
*Argyreia henryi* Craib (1)  
*A. osyrensis* Choisy (1)  
*Bonamia semidigyna* (Roxb.) Hallier (1)  
*Cuscuta chinensis* Lam. (12)  
*Ipomoea aquatica* Forssk. (2)  
*I. cairica* Sweet (1)  
*I. pes-caprae* (L.) R. Br.(1)  
*I. reptans* Poir.(2)  
*I. tuba* D. Don (1)  
*Merremia gemella* (Choisy) H. Hallier (1)  
*M. hirta* Merrill (1)  
*Operculina riedeliana* (Oliv.) Oostr.(2)

COSTACEAE

- Costus speciosus* (J. König ex Retz.) Sm.(4)

CRUCIFERAE

- Brassica juncea* (L.) Czerniak.(1)

CUCURBITACEAE

- Neosalsmitra sareophylla* (Wall.) Hutchinson (1)  
*Sechium edule* (Jacqu.) Sw.(1)  
*Solena heterophylla* Lour.(1)  
*Zehneria marginata* (Blume) M. Keraudren-Aymonin (1)

DILLENiaceae

- Dillenia daruiflora* (1)  
*D. excelsa* (Jack) Gilg.(2)  
*D. grandifolia* Wall.(1)  
*D. hookeri* Pierre (1)  
*D. ovata* Wall.(1)  
*D. parviflora* Griff.(1)  
*D. suffruticosa* (Griff.) Martelli (4)  
*Tetracera indica* Merrill (4)  
*T. loureiri* Pierre ex Craib (10)

DIOSCOREACEAE

- Dioscorea bulbifera* L.(11)

DIPTEROCARPACEAE

- Dipterocarpus alatus* A. DC.(2)  
*D. grandiflorus* (Blanco) Blanco (1)  
*D. tuberculatus* Roxb. (1)  
*Shorea* sp. (1)

EBENACEAE

- Diospyros cauliflora* (Blume) 1)  
*D. digyna* Jacq.(1)



- D. fulvo-pilosa* Fletcher (1)  
*D. montana* Roxb.(2)  
*D. packmanii* C.B. Clarke (1)  
*D. rhodocalyx* Kurz (7)  
*D. rufa* K. & G.(1)  
*D. sumatrana* Miq.(2)  
*D. tahanensis* Bakh.(1)  
*D. venosa* Wall. ex A. DC.(1)  
*D. wallichii* K. & G. ex Williams (3)

ELAEAGNACEAE

- Elaeagnus conferta* Roxb.(7)

ELAEOCARPACEAE

- Elaeocarpus griffithii* A. Gray (1)  
*E. robustus* Roxb.(1)

ERICACEAE

- Diplycosia* sp. (2)  
*Vaccinium cordifolium* Staph (3)  
*V. sprengelii* Wall.(2)

ERYTHROXYLACEAE

- Erythroxylum coca* Lam.(6)  
*E. cuneatum* Kurz (3)

EUPHORBIACEAE

- Aleurites moluccana* (L.) Willd.(2)  
*Antidesma acidum* Retz (2)  
*A. bunius* (L.) Sprengel (3)  
*A. cuspidatum* Muell. Arg.(1)  
*A. helferi* Hook. f.(5)  
*A. martabanicum* Presl. (7)  
*A. montanum* Blume (2)  
*A. sootepense* Craib (1)  
*A. velutinum* Tul.(4)  
*Aporosa arborea* (Bl.) Muell. Arg.(1)  
*A. dioica* (Roxb.) Muell. Arg.(1)  
*A. wallichii* Hook. f.(1)  
*Baccaurea angulata* Merrill (3)  
*B. bracteata* Muell. Arg.(1)  
*B. kunstleri* King ex Gage (9)  
*B. lanceolata* (Miq.) Muell. Arg.(1)  
*B. macrocarpa* Muell. Arg.(7)  
*B. macrophylla* (Muell. Arg.) Muell. Arg.(2)  
*B. parviflora* (Muell. Arg) Muell. Arg.(3)  
*B. sapida* (Roxb.) Muell. Arg.(7)  
*B. stipulata* J.J. Smith (1)  
*Blumeodendron kurzii* (Hook. f.) J.J. Smith (3)  
*Breynia angustifolia* Hook. f.(13)  
*B. discigera* Muell. Arg.(23)  
*B. glauca* Craib (2)  
*B. vitis-idaea* (Burm.f.) C.E.C. Fisher (6)  
*Bridelia ovata* Decne (22)  
*B. penangiana* Hook. f.(1)  
*B. pubescens* Kurz (1)  
*B. retusa* (L.) Spreng. sensu Ridl.(4)  
*B. tomentosa* Blume (4)

*Chaetocarpus castanocarpus* (Roxb.) Thw.(7)  
*Cleidion spiciflorum* (Burm. f.) Merrill (11)  
*Cleistanthus polyphyllus* F.N. Williams (1)  
*C. rufus* (Hook.f.) Gehrm.(1)  
*C. sumatranus* (Miq.) Miell. Arg.(8)  
*Croton argyratus* Blume (1)  
*G. caudatus* Geisel.(14)  
*C. laevifolius* Blume (1)  
*C. tiglium* L.(7)  
*Euphorbia pulcherrima* Willd. ex Klotzsch (2)  
*Excoecaria oppositifolia* Griff.(2)  
*Glochidion assamicum* Hook. f.(2)  
*G. glomerulatum* (Miq.) Boerl.(1)  
*G. hypoleucum* (Miq.) Boerl.(1)  
*G. kerrii* Craib.(1)  
*G. lanceolarium* Voigt (6)  
*G. lucidum* Blume (1)  
*G. obscurum* (Roxb. & Willd.) Blume (3)  
*G. perakense* Hook. f.(1)  
*G. rubrum* Blume (23)  
*G. sericeum* Hook. f.(1)  
*G. sphaerogynum* Kurz (1)  
*Hevea brasiliensis* (A. Juss.) Muell. Arg.(5)  
*Hura crepitans* L.(4)  
*Hymenocardia punctata* Wall. ex Lindl.(2)  
*Jatropha curcas* L.(40)  
*J. gossypifolia* L.(21)  
*J. multifida* L.(74)  
*Macaranga denticulata* (Blume) Muell. Arg.(1)  
*M. griffithiana* Muell. Arg.(1)  
*M. tanarius* (L.) Muell. Arg.(4)  
*Mallotus barbatus* Muell. Arg.(11)  
*M. dispar* (Blume) Muell. Arg.(1)  
*M. macrostachyus* (Miq.) Muell. Arg.(2)  
*M. oblongifolius* (Miq.) Muell. Arg.(1)  
*M. paniculatus* (Lam.) M.A.(2)  
*M. philippensis* (Lam.) M.A.(4)  
*M. subpeltatus* Muell. Arg.(1)  
*Manihot esculenta* Crantz (5)  
*M. glaziovii* Muell. Arg.(1)  
*Phyllanthus columnaris* M.A.(1)  
*P. emblica* L.(31)  
*P. pulcher* Wall. ex M.A.(12)  
*P. reticulatus* Poir.(8)  
*P. roseus* (Craib & Hutch) Beille (1)  
*Ricinus communis* L.(16)  
*Sauropus albicans* Blume (1)  
*Securinega leucopyrus* Muell. Arg.(2)  
*Suregada multiflora* (Juss.) Baill.(12)  
*Trewia nudiflora* L.(2)

#### FABACEAE

*Abrus fruticulosus* Wall. ex Wight & Arn.(3)  
*A. precatorius* L.(4)  
*Acacia farnesiana* (L.) Willd.(2)  
*Albizia saman* (Jack.) F. Muell.(1)  
*Archidendron clypearia* (Jack) I. C. Nielsen (1)  
*A. jiringa* (Jack) I. C. Nielsen (6)  
*Bauhinia acuminata* L.(1)  
*B. pottsii* de Wit (1)

- B. purpurea* L.(1)  
*Caesalpinia crista* L.(3)  
*C. digyna* Rottl.(1)  
*Cajanus cajan* (L.) Huth (1)  
*Canavalia* sp. (6)  
*Cassia alata* L.(2)  
*C. fruticosa* Mill.(3)  
*C. grandis* L. f.(2)  
*C. occidentalis* L.(2)  
*C. tora* L. (1) L.  
*Centrosema pubescens* Benth.(1)  
*Clitoria macrophylla* Wall.(2)  
*C. ternatea* L.(1)  
*Crotalaria quinquefolia* L.(2)  
*Cynometra cauliflora* L.(2)  
*Dalbergia parviflora* Roxb.(5)  
*Delonix regia* (Hook.) Raf.(1)  
*Derris trifoliata* Lour.(2)  
*Dialium cochinchinense* Pierre (4)  
*D. patens* Baker (1)  
*Dioclea hexandra* (Ralph) (1)  
*Flemingia macrophylla* Mabb.(4)  
*Gliricidia sepium* (Jacq.) Walp.(1)  
*Hegnere obcordata* (Miq.) Schindl.(1)  
*Inga edulis* C. Martius (2)  
*Inocarpus fagifer* (Parkinson) Fosb.(1)  
*Leucaena leucocephala* (Lam.) de Wit (2)  
*Millettia sericea* Wight & Arn.(1)  
*Mimosa asperata* L.(1) (previously *M. pigra*)  
*Mucuna pruriens* Scop.(1)  
*Phaseolus lathyroides* L.(4)  
*Pithecellobium dulce* (Roxb.) Benth.(10)  
*Pongamia atropurpurea* Wall.(1) (previously *Millettia atropurpurea*)  
*Pongamia pinnata* (L.) Pierre (5) (previously *Derris indica*)  
*Psophocarpus tetragonolobus* (L.) DC.(8)  
*Pterocarpus indicus* Willd.(1)  
*P. macrocarpus* Kurz (2)  
*Saraca indica* L.(2)  
*Sesbania grandiflora* (L.) Poir.(6)  
*S. javanica* Miq.(1) (= *S. Roxburghii*)  
*Sindora maritima* Pierre (2)  
*S. siamensis* Teysm. ex Miq.(3)  
*Spatholobus harmandii* Gagnep.(1)  
*Tamarindus indica* L.(9)  
*Vigna umbellata* (Thunb.) Ohwi & Ohashi (1)

#### FAGACEAE

- Castanopsis hypophoenicea* (Seemen) Soep.(1)  
*C. rhamnifolia* (Miq.) A. DC.(1)  
*Lithocarpus elegans* (Bl.) Hatus. ex Soepadmo (1)  
*L. encleisacarpus* (Korth.) A. Camus (4)  
*L. wrayi* (King) A. Camus (1)

#### FLACOURTIACEAE

- Casearia calva* (2)  
*C. gelennioides* (1)  
*C. grewiaefolia* Vent.(15)  
*Flacourtia inermis* Roxb.(2)  
*Hydnocarpus anthelminticus* Pierre ex Lanessan (3)

*H. castanea* Hook. f. & Thomson (5)  
*H. ilicifolia* King (9)  
*Scolopia macrophylla* (W. & A.) Clos (5)

FLAGELLARIACEAE

*Flagellaria indica* L.(26)

GNETACEAE

*Gnetum cuspidatum* Blume (1)  
*G. latifolium* var. *funiculare* (Blume) Markgr.(1)  
*G. montanum* Markgr.(1)  
*G. tenuifolium* Ridl.(4)

GOODENIACEAE

*Scaevola sericea* Vahl (1)

HAMAMELIDACEAE

*Altingia siamensis* (2)

HIPPOCRATEACEAE

*Salacia chinensis* L.(6)  
*S. conferta* Peyr.(8)  
*S. grandiflora* Kurz (2)  
*S. macrophylla* Blume (8)  
*S. rumphii* Wall.(17)

ICACINACEAE

*Gomphandra quadrifida* (Bl.) Sleum.(3)  
*Gonocaryum minus* (1)  
*Phytocrene bracteata* Wall.(1)  
*Platea latifolia* Blume (1)

LAURACEAE

*Beilschmiedia kunstleri* Gamb.(12)  
*Cinnamomum bejolghota* (Buch.-Ham.) Sweet (2)  
*Litsea costalis* (Nees) Kosterm.(1)  
*L. garciae* S. Vidal (3)  
*L. grandis* (Wall. ex Nees) Hook. f.(5)  
*L. machilifolia* Gamb.(1)  
*L. martabanica* Hook. f.(3)  
*L. robusta* Blume (1)  
*L. umbellata* (Lour.) Merr.(2)

LECYTHIDACEAE

*Barringtonia acutangula* (L.) Gaertn.(82)  
*B. angusta* (1)  
*B. macrocarpa* Hassk.(1)  
*B. macrostachya* Jack (2)  
*B. pendula* (Griff.) Kurz.(8)  
*B. pterocarpa* Kurz.(2)  
*B. racemosa* (L.) Spreng.(3)

LILIACEAE

*Peliosanthes violaceae* Wallich ex Baker (7)

LOGANIACEAE

- Fagraea fragrans* Roxb.(18)  
*F. racemosa* Jack ex Wall.(6)

LORANTHACEAE

- Dendrophthoe pentandra* (L.) Miq.(12)  
*Macrosolen avenis* (Blume) Danser (1)  
*M. cochinchinensis* (Lour.) Tieghem (7)  
*M. robinsonii* (Gamble) Danser (1)

LYTHRACEAE

- Lagerstroemia calyculata* Kurz.(1)  
*L. speciosa* (L.) Pers.(6)  
*Lawsonia inermis* L.(6)

MAGNOLIACEAE

- Magnolia betongensis* Craib.(3)  
*Michelia baillonii* (Pierre) Finet & Gagnep.(5)  
*Michelia champaca* L.(5)

MALVACEAE

- Abelmoschus esculentus* (L.) Moench (20)  
*Abutilon indicum* (L.) Sweet (1)  
*Gossypium arboreum* L.(1)  
*G. herbaceum* L.(3)  
*Hibiscus mutabilis* L.(1)  
*H. radiatus* Cav.(2)  
*H. sabdariffa* L.(16)  
*Thespesia populnea* (L.) Corr. Serr.(8)

MARANTACEAE

- Donax canniformis* (Forster f.) Schumann (31)  
*Maranta arundinacea* L.(1)  
*Phrynium capitatum* Willd. (1)  
*Schumannianthus dichotomus* (Roxb.) Gagnes (6)

MELASTOMATACEAE

- Memecylon caeruleum* Jack (2)  
*M. constrictum* (1)  
*M. edule* Roxb.(11)  
*M. scutellatum* (Lour.) Naud.(2)  
*Osbeckia chinensis* L.(5)  
*Pternandra coerulescens* Jack (1)  
*P. michaela* (1)

MELIACEAE

- Aglaiia odorata* Lour.(12)  
*A. odoratissima* Blume (1)  
*A. rubiginosa* (Hiern) Pannell (1)  
*A. squamulosa* King (3)  
*Aphanomixis polystacha* (Wall.) R.Parker (6) (=Aglaiia p)  
*Azadirachta siamensis* (2)  
*Chisocheton siamensis* (1)  
*Dysoxylum cochinchinensis* (4)  
*Melia azedarach* L.(20)  
*Swietenia mahagoni* (L.) Jacq.(2)  
*Walsura cochinchinensis* (1)

- Xylocarpus granatum* Koenig (2)  
*X. moluccensis* (Lam.) M. Roemer (1)

MENISPERMACEAE

- Hypserpa nitida* Miers (1)  
*Menispermum* sp. (1)  
*Pericampylus glaucus* (Lam.) Merr.(24)  
*Pycnarrhena* sp. (2)  
*Tiliacora triandra* Diels (26)  
*Tinomiscium petiolare* Hook. f. & Thomson (1)

MORACEAE

- Artocarpus comezianus* Wall. ex Trec (1)  
*A. lowii* King (1)  
*A. nitidus* Trec (1)  
*A. rotundus* (3)  
*A. sarawakensis* (1)  
*Broussonetia papyrifera* (L.) Vent.(1)  
*Ficus altissima* Blume (3)  
*F. annulata* Blume (9)  
*F. apiocarpa* Miq.(1)  
*F. aurantiacea* Griff.(2)  
*F. aurata* Miq.(1)  
*F. benghalensis* (5) L.  
*F. bracteata* (Wall.) ex Miq.(3)  
*F. capillipes* (1)  
*F. consociata* Blume (2)  
*F. curtipes* Corner (1)  
*F. deltoidea* Jack (2)  
*F. fulva* Reinw. ex Bl.(3)  
*F. glaberrima* Blume (1)  
*F. globosa* Blume (2)  
*F. heterophylla* L.f.(4)  
*F. heteropleura* Blume (8)  
*F. indusformefolia* (2)  
*F. ischnopoda* Miq.(10)  
*F. leavis* Blume (1)  
*F. lepicalpa* Blume (1)  
*F. magnoleaefolia* Blume (1)  
*F. obscura* Blume (6)  
*F. parietalis* Blume (11)  
*F. praetermissa* (2)  
*F. pubilimba* Merr.(1)  
*F. retusa* L.(3)  
*F. sagittata* Vahl (1)  
*F. scortechinii* King (2)  
*F. semicordata* Buch. Ham. ex Sm.(12)  
*F. spannolata* Blume (1)  
*F. spicata* (1)  
*F. subulata* Blume (3)  
*F. sundaica* Blume (1)  
*F. superba* Miq.(2)  
*F. tinctoria* Forst. f.(6)  
*F. triangularis* Warb.(2)  
*F. vasculosa* Wall. ex Miq.(1)  
*F. virens* Aiton (7)  
*Parartocarpus venenosus* (1)  
*Streblus ilicifolia* (Vidal) Corner (1)

MYRISTICACEAE

- Horsfieldia irya* (Gaertn.) Warb (4)  
*H. macrocoma* (Miq.) Warb.(1)  
*Knema cinerea* (Poiret) Warb.(1)  
*K. furfuracea* (Hook. f. & Thoms.) Warb.(1)  
*K. kinabaluensis* James Sincl.(1)

MYRSINACEAE

- Antistrophe caudata* (1)  
*Ardisia attenuata* Wall.(1)  
*A. carymbosa* (1)  
*A. colorata* Roxb.(13)  
*A. corymbifera* Mez in Engl.(1)  
*A. elliptica* Thunb.(1)  
*A. helferiana* (1)  
*A. ionantha* (1)  
*A. murtonii* (2)  
*A. pilosa* (1)  
*A. polycephala* Wall.(18)  
*Embelia ribes* Burm. f.(1)  
*E. stricta* Craib.(4)  
*Maesa permollis* Kurz.(1)  
*M. ramentacea* (Roxb.) A.DC.(22)

MYRTACEAE

- Acmena polyantha* Merr. & Perry (7)  
*Decaspermum fruticosum* Forst.(1)  
*Eugenia cumingiana* Vidal (2)  
*E. dyeriana* King (2)  
*E. limnoea* (1)  
*E. pustulata* Duthie (1)  
*E. siamensis* Craib (2)  
*E. spicata* Lamk.(3)  
*E. syzygioides* (Miq.) Hend.(2)  
*Rhodamnia dumetorum* (Poir.) Merr. & L.M.Perry (3)

NEPENTHACEAE

- Nepenthes gracilis* Korth.(3)

NYMPHAEACEAE

- Nelumbo nucifera* Gaertn.(2)

NYSSACEAE

- Nyssa javanica* (Bl.) Wang (1)

OCHNACEAE

- Ochna integerrima* (Lour.) Merr.(6)

OLACACEAE

- Scorodocarpus borneensis* (Baillon) Becc.(1)

OLEACEAE

- Jasminum bifarium* Wall.(1)  
*J. lanceolaria* Roxb.(21)  
*J. scandens* Vahl.(8)  
*J. siamensis* (1)  
*J. syringifolium* Wall.(19)

OPILIACEAE

- Champereia manillana* (Blume) Merrill (5)  
*Urobotrya siamensis* Hiepko (15)

ORCHIDACEAE

- Cymbidium finlaysonianum* Lind.(45)  
*Dendrobium crumenatum* Sw.(4)

OXALIDACEAE

- Dapania racemosa* Korth.(1)

PANDANACEAE

- Pandanus humilis* Lour.(2)  
*P. kaida* Kurz.(2)  
*P. reticulosus* St. John (1)

PASSIFLORACEAE

- Adenia macrophylla* (Blume) Koord.(1)  
*Passiflora laurifolia* L.(2)  
*P. siamica* Craib.(3)

PEDALIACEAE

- Martynia annua* L.(1)

PHORMIACEAE

- Dianella ensifolia* (L.) DC.(11)

PIPERACEAE

- Piper chaba* Hunt (14)  
*P. nigrum* L.(39)  
*P. paucistigmum* (3)  
*P. sarmentosum* Roxb.(2)

PITTOSPORACEAE

- Pittosporum ferrugineum* Ait.(1)  
*P. napaulense* (DC.) Rehder & E.H. Wilson in Sarg.(2)

POLYGONACEAE

- Polygonum chinense* L.(2)

PROTEACEAE

- Helicia formosana* Hemsl. in F.B. Forbes & Hemsl.(1)  
*H. nilagirica* Bedd.(1)  
*Macadamia ternifolia* F. Muell.(1)

RHAMNACEAE

- Gouania obtusifolia* (2)  
*Ziziphus attopensis* Pierre (2)  
*Z. brumoniana* (2)  
*Z. cambodiana* (5)

RHIZOPHORACEAE

- Carallia brachiata* (Lour.) Merr.(2)  
*Gynotroches axillaris* Blume (1)



ROSACEAE

- Eriobotrya bengalensis* Hook. f.(1)  
*Fragaria chiloensis* (L.) Duchesne (1)  
*Pyrus grandulosa* Bertol.(2)  
*Rubus blepharoneurus* (2)  
*R. cavaleriei* H.Lèv. & Vaniot (1)  
*R. ellipticus* Sm.(1)  
*R. fraxanifolius* Poiret (1)

RUBIACEAE

- Aidia cochinchinensis* Lour.(1)  
*Canthium dicoccum* (Gaertner) Teijsm. & Binnend.(2)  
*C. glabrum* Blume (1)  
*C. horridum* Blume (3)  
*Catunaregam spinosa* (Thunb.) Tirvengadam (1)  
*C. tomentosa* (Bl. ex DC.) Tirv.(9)  
*Chassalia chartacea* Craib.(1)  
*Coptosapelta tomentosa* (6)  
*Diplospora schmidtii* (1)  
*Gardenia* sp. (3)  
*Geophila herbacea* (Jacq.) K.Schum.(12)  
*Greenea corymbosa* (Jack) Schum.(1)  
*Guettarda speciosa* L.(1)  
*Hedyotis capitallata* Wall.(1)  
*H. pachycarpa* Ridl.(1)  
*H. philippensis* (Wild. Ex Spreng.) Merr. Ex C.R.Rob.(1)  
*Hymenodictyon excelsum* Wall. ex Roxb.(6)  
*Ixora cibdela* Craib.(5)  
*I. coccinea* L.(2)  
*I. pendula* Jack (1)  
*I. stricta* Roxb.(101)  
*I. umbellata* K. & V.(3)  
*Kailarsenia campanulata* (2)  
*Lasianthus rotundatus* Stapf (3)  
*Morinda cochinchinensis* DC.(3)  
*M. tomentosa* Heyne (1)  
*Mussaenda cambodiana* (16)  
*M. glabra* Vahl.(8)  
*M. parva* Wall.(2)  
*M. sanderiana* (1)  
*M. villosa* Wall.(4)  
*Mycetia malayana* (Wall. ex Ridl.) Craib (7)  
*Oxyceros horridus* Lour.(18)  
*O. penangianus* (King & Gamble) Tirveng (1)  
*Paederia foetida* L.(1)  
*P. tomentosa* Blume (4)  
*Pavetta graciliflora* Wall. ex Ridl.(4)  
*P. indica* L.(1)  
*Porterandia anisophylla* (Jack ex Roxb.) Ridl.(7)  
*Prismatomeris tetrandra* (Roxb.) K. Schum.(6)  
*Psychotria curviflora* Wall.(44)  
*P. montana* Blume (3)  
*P. ophioxloides* (5)  
*P. rhinocerotis* Reinw. ex Bl.(1)  
*P. rubra* Lour. Poir.(5)  
*P. sarmentosoides* Val.(7)  
*P. serpens* L.(1)  
*Randia pauciflora* Ridl.(2)  
*R. sootelensis* (2)

*R. tomentosa* Hook. f.(2)  
*Timonius wallichianus* (Korth.) Val.(3)  
*Urophyllum* sp. (2)  
*Vangueria spinosa* Roxb.(1)

#### RUTACEAE

*Acronychia laurifolia* Blume(3)  
*A. pedunculata* Miq.(19)  
*A. porteri* Hook. f.(1)  
*Atalantia armata* (1)  
*A. monophylla* DC.(4)  
*Casimiroa edulis* Llave & Lex.(1)  
*Clausena heptaphylla* Wight. & Arn.(1)  
*Euodia robusta* Hook. f.(2)  
*E. roxburghiana* (Cham.) Benth. ex Hook. f.(2)  
*Feronia limonia* (L.) Swingle (2)  
*Feroniella lucida* (R. Scheffer) Swingle (3)  
*Hesperanthes crenulata* (1)  
*Micromelum falcatum* (Lour.) Tan.(5)  
*M. glanduliferum* (4)  
*M. minutum* (Forst. f.) Wight & Arn.(8)  
*Monanthocitrus oblanceolata* (1)  
*Poncirus trifoliata* (L.) Raf.(1)  
*Toddalia asiatica* (L.) Lam.(24)

#### SAPINDACEAE

*Allophyllus cobbe* (L.) Rausch.(22)  
*Ayrtera xerocarpa* (Bl.) Adel.(2)  
*Cardiospermum halicacabum* L.(8)  
*Guioa bijuga* (Hiern.) Radlk.(1)  
*G. pleuropteris* (Bl.) Radlk.(3)  
*Harpullia cupanioides* Roxb.(2)  
*Lepisanthes cambodiana* (2)  
*Nephelium cuspidatum* Bl.(1)  
*N. malaiense* Griff.(3)  
*N. mutabile* Bl.(6)  
*Paranephelium macrophyllum* King (1)  
*Pometia pinnata* Forster & Forster f.(6)  
*Schleichera oleosa* (Lour.) Oken (2)  
*Sisyrolepis muricata* (3)  
*Xerospermum noronhianum* Bl. (3)

#### SAPOTACEAE

*Sarcosperma arboreum* Buch.-Ham. Ex C.B. Clarke in Hook.f.(2)  
*Synsepalum dulcificum* (Schum. & Thonn.) Daniell (1)

#### SIMAROUBACEAE

*Eurycoma longifolia* Jack (11)  
*Harrisonia perforata* (Blanco) Merr.(25)  
*Quassia amara* L.(4)

#### SMILACACEAE

*Smilax corbularia* Kunth (2)  
*S. inversa* T. Koyama (11)  
*S. myosotiflora* DC.(3)  
*S. ovalifolia* Roxb.(3)  
*S. perfoliata* Lour.(1)  
*S. siamensis* T. Koyama (9)

SOLANACEAE

- Cyphomandra betacea* (Cav.) Sendtn. (1)  
*Datura metel* L.(17)

SONNERATIACEAE

- Duabanga grandiflora* (DC.) Walp (12)  
*Sonneratia griffithii* Kurz (4)

STERCULIACEAE

- Byttneria andamanensis* (8)  
*B. aspera* Colebr. ex Wall. in Roxb.(1)  
*Commersonia bartramia* (L.) Merr.(4)  
*Helicteres angustifolia* L.(2)  
*H. hirsuta* Lour.(5)  
*Pterospermum jackianum* Wall. ex Mast.(3)  
*P. lanceaefolium* Roxb.(1)  
*Sterculia coccinea* Jack (2)  
*S. foetida* L.(1)  
*S. lanceolata* Cav.(9)  
*S. parviflora* Roxb.(1)  
*S. rubiginosa* Vent.(2)

STYRACACEAE

- Styrax benzoides* Craib.(2)

SYMPLOCACEAE

- Symplocos adenophylla* Wall. ex Don (2)  
*S. fasciculata* Zoll.(1)  
*S. henschelii* (Mor.) Benth. ex Clarke (1)

TACCACEAE

- Tacca palmata* Blume (7)

THEACEAE

- Adinandra dumosa* Jack (2)  
*A. integerrima* T. Anders. ex Dyer (3)  
*A. villosa* Choisy (1)  
*Camellia oleifera* Abel (2)  
*Eurya acuminata* DC.(1)  
*E. obovata* (Blume) Korth.(1)  
*Pyrenaria acuminata* Planch.(1)  
*P. garrettiana* Craib (7)  
*Schima wallichii* (DC.) Korth.(7)

THYMELAEACEAE

- Aquilaria crassna* Pierre ex H.Lec.(7)  
*Enkleia siamensis* (1)

TILIACEAE

- Corchorus capsularis* L.(1)  
*Grewia acuminata* Juss.(7)  
*G. elatostemoides* (1)  
*G. glabra* (4)  
*G. lacci* (1)  
*G. laevigata* Vall.(5)

TURNERACEAE

*Piriqueta racemosa* (Jacq.) Sweet (1)

ULMACEAE

*Gironniera nervosa* Planch.(6)

*Trema orientalis* Blume (12)

URTICACEAE

*Debregeasia velutina* Gaud.(1)

VERBENACEAE

*Avicennia alba* Blume (1)

*Callicarpa candidans* (Burms.) Hochr.(2)

*Clerodendrum disparifolium* Blume (2)

*C. indicum* (L.) O.K.(1)

*C. laevifolium* Blume (4)

*C. serratum* Spr.(4)

*C. villosum* Blume (1)

*Duranta repens* L.(26)

*Lantana camara* L.(33)

*Premna pyramidata* Wall. Ex Schauer in A.DC.(2)

*Tectona grandis* L. f.(5)

*Vitex canescens* Kurz (5)

*V. gamosepala* Griff.(1)

*V. glabrata* R. Br.(2)

*V. peduncularis* Wall.(3)

*V. pinnata* L.(49)

*V. quinata* (Lour.) F.N. Will (2)

*V. trifolia* L.(1)

*V. vestita* Wall. ex Schau (3)

VIOLACEAE

*Rinorea anguifera* (Lour.) O.K.(5)

VISCACEAE

*Viscum ovalifolium* Wall. ex DC.(5)

VITACEAE

*Ampelocissus martini* Planch (4)

*Cayratia japonica* (Thunb.) Cogn.(16)

*C. mollissima* (Wall.) Gasnep.(3)

*C. trifolia* Domin.(28)

*Cissus aristata* Blume (2)

*C. carnosia* Roxb.(48)

*C. discolor* Blume (1)

*C. furcata* Lawson (3)

*C. nodosa* Blume (5)

*C. quadrangula* L.(4)

*C. repanda* Vahl.(7)

*Leea indica* (Burm. f.) Merr.(45)

*L. macrophylla* Roxb. ex Hornem.(5)

*Tetrastigma cruciatum* Craib. & Gagnep.(4)

*T. dubium* (Lawson) Planchon (16)

*T. garrettii* Gagnep.(1)

*T. harmandii* Planchon (1)

*T. hookeri* (Lawson) Planch.(1)

*T. siamensis* Gagnep. & Craib.(3)

*T. strumarium* (Planch.) Gagnep.(4)

*Vitis cinnamomea* Wall.(1)

WINTERACEAE

*Drimys piperita* Hook. f.v.(1)

ZINGIBERACEAE

*Achasma megalochelios* Griff.(2)

*Alpinia bracteata* Roxb.(4)

*A. conchigera* Griff.(2)

*A. galanga* (L.) Willd.(9)

*A. haenkei* (2)

*A. malaccensis* Roscoe (1)

*A. petiolata* (1)

*Amomum testaceum* Ridl.(1)

*A. xanthioides* Wall. ex Baker (2)

*Cenolophon oxymitrum* (K. Schum.) Holttum (4)

*Zingiber spectabile* Griff.(4)

*Z. zerumbet* Smith (2)

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