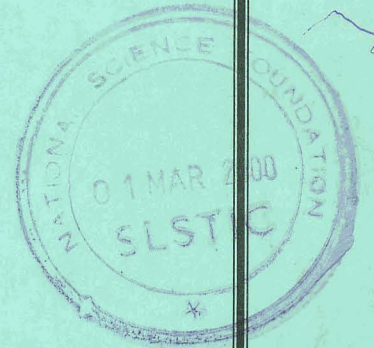


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*A CHECK LIST OF APHIDS AND
THEIR HOST PLANTS
FROM
SRI LANKA*

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NA 215



National Science Foundation
Sri Lanka

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A CHECK LIST OF APHIDS AND
THEIR HOST PLANTS
FROM
SRI LANKA



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FOREWORD

The absence of detailed information has curtailed the development of Scientists' and layman's interest in the flora and fauna of Sri Lanka. This drawback has in turn resulted in a paucity of ecological studies in this island. In order to remedy this situation, the UNESCO – Sri Lanka National Committee on Man & Biosphere functioning under the aegis of the National Science Foundation (NSF) (formerly Natural Resources, Energy and Science Authority, NARESA) has been sponsoring the publication of checklists of species and handbooks to assist in the identification of Genera of various groups of plants and animals. This text titled "A Checklist of Aphids and their host plants from Sri Lanka" is the 21st publication in the series.

I trust this publication would serve as a valuable reference guide. The NSF would welcome any additions, corrections and suggestions for improvement.

I acknowledge with gratitude the services of the National Committee on Man and the Biosphere and efforts of Ms Anusha Amarasinghe (Assistant Director – Scientific Affairs, NSF) towards making this publication a reality.

Prof. Kapila Dahanayake
Chairman
National Science Foundation

1st August 1999

INTRODUCTION

Aphids (Homoptera: Aphididae) constitute one of the most harmful insect groups being plant sap feeders, gall formers and viral vectors. Yet, aphids of Sri Lanka have received very little attention. The world Aphididae comprise over 4000 species in 493 genera and 9 subfamilies (Blackman & Eastop 1984, 1994). The Aphididae of India comprise 801 species in 214 genera and nine subfamilies (Ghosh, 1990). There is no published check list of aphids of Sri Lanka. Several species had been described during the British period. Thereafter and until 1963, aphids collected on light and yellow water traps have been documented. The first host-based survey of aphids was carried out during 1993-1996 (Wijerathna, 1996).

The present check list, puts together, for the first time, the aphids so far recorded from Sri Lanka with their very first host plant record. Aphididae of Sri Lanka comprise 82 species in 46 genera and 6 subfamilies. The host plants (64 species) of the aphids provided in Table III, give the **first reference** to the recorded hosts with their species author(s) and family and include 33 exotic plant species. Apart from the few host records made during the British period, the information on aphid hosts given here is of recent origin (Edirisinghe, 1994; Wijerathna, 1996).

The Natural History Museum (NHM) collection of aphids from Sri Lanka comprises 11 species in 8 genera. Material held in local Institutions (HORDI and University of Peradeniya) is indicated.

According to Ghosh (1971), 10 aphid species are endemic to Sri Lanka. However, eight of them have been subsequently reported by taxonomists from other countries, thus making only two aphid species endemic to Sri Lanka. The host record for one of the two endemic species is available. The generic and specific names of most of the early recorded aphids have changed. Therefore, they have been arranged according to the recent scheme of classification given by Blackman & Eastop (1984).

Aphids belong to the Order Hemiptera, Suborder Homoptera and the Series or Division Sternorrhyncha. The classification of aphids follows one of two lines. According to Kloet & Hinck's *Check list of British Insects* (1964), in the Division Sternorrhyncha are included two groups that are placed at Superfamily level. Accordingly, the Superfamily Aphidoidea includes the true aphids while Phylloxeridae includes more primitive aphids that lack among other features siphunculi and viviparity. The major aphid groups are then classified as families within the Superfamily Aphidoidea. This method of classification has been followed by Stroyan (1977 and 1984).

The taxonomic arrangement used in this check list follows that of Blackman & Eastop (1984) who followed the original classification of Baker (1920) and Eastop (1958). According to this classification, Series Sternorrhyncha includes only one Superfamily

(Aphidoidea) and within the Aphidoidea, three distinct groups are recognized and are placed in three Families (Aphididae, Phylloxeridae and Adelgidae). The major groups of aphids are placed in eight Subfamilies within the Family Aphididae. The same line of classification for aphids is used by the Indian taxonomists [Ghosh, 1974; Verma & Das, 19--]. The taxonomic arrangement of aphids included in this check list follows this method and contains the following taxa: family (1), subfamily (6), tribe, genus (46) and species (82).

I GENERA OF APHIDIDAE

- | | |
|---|--------------------------------------|
| 1. <i>Aphis</i> | 24. <i>Rhodobium</i> |
| 2. <i>Hylopterus</i> | 25. <i>Rhopalosiphoninus</i> |
| 3. <i>Hysteroneura</i> | 26. <i>Sinomegoura</i> |
| 4. <i>Melanaphis</i> | 27. <i>Sitobion</i> |
| 5. <i>Rhopalosiphum</i> | 28. <i>Uroleucon</i> |
| 6. <i>Schizaphis</i> | 29. <i>Vesiculaphis</i> |
| 7. <i>Toxoptera</i> | 30. <i>Tinocallis</i> |
| 8. <i>Acyrtosiphon</i> | 31. <i>Shivaphis</i> |
| 9. <i>Akkaia</i> | 32. <i>Schoutedenia</i> |
| 10. <i>Aulacorthum</i> (=Neomyzus) | 33. <i>Greenidea</i> (=Siphonophora) |
| 11. <i>Brachycaudus</i> | 34. <i>Greenideoida</i> |
| 12. <i>Chaetosiphon</i> (=Pentatrichopus) | 35. <i>Astegopteryx</i> (=Oregma) |
| 13. <i>Dysaphis</i> | 36. <i>Cerataphis</i> |
| 14. <i>Ipuka</i> | 37. <i>Ceratoglyphina</i> |
| 15. <i>Lipaphis</i> | 38. <i>Ceratovacuna</i> |
| 16. <i>Macrosiphoniella</i> | 39. <i>Pseudoregma</i> |
| 17. <i>Macrosiphum</i> | 40. <i>Lachnus</i> |
| 18. <i>Matsumuraja</i> | 41. <i>Pyrolachnus</i> |
| 19. <i>Micromyzus</i> | 42. <i>Ceratopemphigus</i> |
| 20. <i>Myzus</i> | 43. <i>Eriosoma</i> |
| 21. <i>Neotoxoptera</i> | 44. <i>Geoica</i> |
| 22. <i>Pentalonia</i> | 45. <i>Kaltenbachiella</i> |
| 23. <i>Phorodon</i> | 46. <i>Tetraneura</i> |

II SYSTEMATIC LIST OF APHID GENERA AND SPECIES

CLASS	- INSECTA
ORDER	- HEMIPTERA
SUBORDER	- HOMOPTERA
SUPERFAMILY	- APHIDOIDEA

FAMILY - APHIDIDAE

I. SUBFAMILY - APHIDINAE

TRIBE - APHIDINI

1. *APHIS* L., 1758

- | | | | |
|----|--|----|----------|
| 1. | <i>A. craccivora</i> Koch, 1854 (= <i>laburini</i> auct nee Kalt., 1843;
= <i>medicaginis</i> auct nee Koch 1854) | .. | 19 : 70 |
| 2. | <i>A. fabae solanella</i> Theobald, 1914 | .. | 14 : 62 |
| 3. | <i>A. gossypii</i> van der Goot | .. | 19 : 70 |
| 4. | <i>A. nasturtii</i> Kaltenbach, 1843 | .. | 24 : 173 |
| 5. | <i>A. nerii</i> Boyer de Fonscolombe, 1841 | .. | 14 : 62 |
| 6. | <i>A. spiraecola</i> Patch, 1914 (= <i>citricola</i> v. d. G, 1917;
= <i>malvoides</i> v. d. G) | .. | 14 : 62 |

2. *HYLOPTERUS* Koch, C.L 854

- | | | | |
|----|--------------------------------|----|-----------|
| 7. | <i>H. pruni</i> Geoffroy, 1762 | .. | NHM Coll. |
|----|--------------------------------|----|-----------|

3. *HYSTERONEURA* Davis, 1919

- | | | | |
|----|---------------------------|----|------|
| 8. | <i>H. setariae</i> Thomas | .. | 7:27 |
|----|---------------------------|----|------|

4. *MELANAPHIS* van der Goot, 1917

- | | | | |
|----|--|----|---------|
| 9. | <i>M. (=Longiunguis) sacchari</i> Zehntner | .. | 14 : 62 |
|----|--|----|---------|

NHM Coll.- Natural History Museum Collection, London.

HORDI Records - Horticultural Research and Development Institute, Gannoruwa, Sri Lanka.

5. *RHOPALOSIPHUM* Koch, C.L., 1854

- | | | |
|---|----|---------|
| 10. <i>R. maidis</i> (Fitch, 1856) | .. | 14 : 63 |
| 11. <i>R. padi</i> L., 1758 | .. | 7 : 27 |
| 12. <i>R. rufiabdominali</i> (Sasaki, 1899) | .. | 14 : 63 |

6. *SCHIZAPHIS* Börner, C., 1931

- | | | |
|--|----|-----------|
| 13. <i>S. cyperi</i> (Passerini, 1874) | .. | 14 : 63 |
| 14. <i>S. graminum</i> (Rondoni, 1852) | .. | 14 : 63 |
| 15. <i>S. hypersiphonata</i> Basu, 1970 (1969) | .. | NHM Coll. |
| 16. <i>S. (=Toxoptera) minuta</i> (van der Goot) | .. | 19 : 70 |

7. *TOXOPTERA* Koch, C.L., 1856

- | | | |
|--|----|---------|
| 17. <i>T. aurantii</i> (Boyer de Fonscolombe, 1841) | .. | 19 : 70 |
| 18. <i>T. citricidus</i> Kirkaldy (<i>Aphis tavaresi</i> Del Guercio) | .. | 19 : 70 |
| 19. <i>T. odinae</i> (= <i>Longiunguis spathodeae</i> van der Goot.) | .. | 19 : 70 |

TRIBE - MACROSIPHINI

8. *ACYRTHOSIPHON* Mordvilko, 1914

- | | | |
|----------------------------------|----|----------|
| 20. <i>A. gossypii</i> Mordvilko | .. | 7 : 26 |
| 21. <i>A. kondoi</i> Shinji | .. | 24 : 169 |
| 22. <i>A. pisum</i> (Harris) | .. | 24 : 173 |

9. *AKKALA* Takahashi, 1919

- | | | |
|----------------------------|----|-----------|
| 23. <i>A. taiwana</i> Tak. | .. | NHM Coll. |
|----------------------------|----|-----------|

10. *AULACORTHUM* Mordvilko, 1914

- | | | |
|---|----|---------|
| 24. <i>A. (Neomyzus) circumflexus</i> (Buckton) | .. | 14 : 63 |
| 25. <i>A. solani</i> Kaltenbach | .. | 14 : 62 |

11. *BRACHYCAUDUS* van der Goot, 1913

- | | | |
|-------------------------------------|----|---------|
| 26. <i>B. helichrysi</i> Kaltenbach | .. | 19 : 70 |
|-------------------------------------|----|---------|

12. *CHAETOSIPHON* Mordvilko, 1914

- | | | |
|-----------------------------------|----|-----------|
| 27. <i>C. tetraerhodum</i> Walker | .. | NHM Coll. |
|-----------------------------------|----|-----------|

13. DYSAPHIS Börner, 1951

28 *D. crataegi* (Kaltenbach) .. 24 : 172

14. IPUKA van Harten & Ilharco, n. gen. 1971

29 *I. dispersum* (van der Goot),
(=*Aulacorthum dispersum* =*Micromyzus estopi*) .. 20 : 16

15. LIPAPHIS Mordvilko, 1928

30 *L. erysimi* (Kaltenbach) .. 14 : 62

16. MACROSIPHONIELLA Passerini, 1860

31 *M. sanborni* (Gillette) .. 14 : 62

32 *M. pseudoartemisiae* Shinji .. 14 : 62

17. MACROSIPHUM Passerini, 1860

33 *M. euphorbiae* (Thomas) .. 14 : 62

34 *M. rosae* (Linnaeus) .. 19 : 70

18. MATSUMURAJA Schumacher, 1921

(Endemic sp.) 35. *M. capitophoroides* H. R. L0 .. 14 : 62

19. MICROMYZUS van der Goot, 1917

36 *M. judenkoi* Carver .. 4 : 113

37 *M. kalimpongensis* Basu .. 24 : 178

38 *M. nigrum* van der Goot .. 19 : 70

20. MYZUS Passerini, 1860

39. *M. ascalonicus* Doncaster .. 24:172

40. *M. boehmeriae* Tak .. NHM Coll.

41. *M. cerasi* (Fabricius) .. 24 : 169

42. *M. obtusirostris* David .. NHM Coll.

43. *M. ornatus* Laing .. 14 : 62

44. *M. persicae* (Sulzer) .. 14 : 62

21. *NEOTOXOPTERA* Theobald, 191545. *N. oliveri* (Essig, 1935) .. 24 : 17822. *PENTALONIA* Coquerel, 185946. *P. nigronervosa* Coquerel .. 5 : 12123. *PHORODON* Passerini, 186047. *P. humuli* (Schrank) .. 24 : 16924. *RHODOBIUM* Hille Ris Lambers, 194748. *R. porosum* (Sanderson) .. 7 : 2725. *RHOPALOSIPHONINUS* Baker, 192049. *R. latysiphon* (Davidson) .. NHM Coll.26. *SINOMEGOURA* Takahashi, ?191950. *S. citricola* (van der Goot) .. 14 : 6327. *SITOBION* Mordvilko, 191451. *S. avenae* (Fabricius) .. 7 : 2752. *S. lambersi* David .. NHM Coll.53. *S. leelamaniae* (David) .. NHM Coll.54. *S. miscanthi* (Takahashi) .. 7 : 2755. *S. pauliani* Ram .. NHM Coll.56. *S. phyllanthi* Takahashi .. NHM Coll.57. *S. wikstroemiae* (Marmet) .. 7 : 2858. *S. sp.* Unidentified .. 24 : 17228. *UROLEUCON* Mordvilko, 191459. *U. (Uromelan) minutum* (van der Goot) .. 7 : 28

Check List of Aphids

29. *VESICULAPHIS* del Guercio, 1911

60. *V. caricis* Full

NHM Coll.

2. **SUBFAMILY - DREPANOSIPHINAE (CALLAPHIDIDAE)**

30. *TINOCALLIS* Matsumura, 1919

61. *T. kahawaluokalani* (Kitkaldy, 1907)

.. 7 : 28

TRIBE - PHYLLAPHIDINI

31. *SHIVAPHIS* Das, 1918

62. *S. celti* (Das, 1918)

.. 19 : 70

3. **SUBFAMILY - GREENIDENAE**

TRIBE - SEBAPHIDINI

32. *SCHOUTEDENIA* Rubsaamen, 1905

63. *S. lutea* L., 1917 (=lutea L., 1962)

14 : 63

TRIBE - GREENIDENI

33. *GREENIDEA* Schouteden, 1905

64. (=Siphonophora) *artocarp*i (Westwood, 1890)

21 : 649

65. *G. formosana* Takahashi, 1916

24 : 176

34. *GREENIDEOIDA* van der Goot, 1917

66. *G. ceyloniae* van der Goot, 1918

.. 19 : 70

4. SUBFAMILY - HORMAPHIDINAE (THELAXINAE)

TRIBE - CERATOPHIDINI

35. ASTEGOPTERYX Karsch, 1890 (=OREGMA)

- | | | |
|---|----|----------|
| 67. <i>A. (O.) bambusae</i> (Buckton, 1893) | .. | 16 : 185 |
| 68. <i>A. (O.) insularis</i> van der Goot, 1917 | .. | 19 : 70 |
| 69. <i>A. (O.) minuta</i> van der Goot, 1917 | .. | 19 : 70 |

36. CERATAPHIS Lichtenstein, 1882

- | | | |
|---|----|---------|
| 70. <i>C. variabilis</i> Hille Ris 1934 (= <i>latanae</i> Boisd,
= <i>brasiliensis</i> Hempel, 1901) | .. | 19 : 70 |
|---|----|---------|

37. CERATOLYPHINA van der Goot, 1917

- | | | |
|---|----|----------|
| 71. <i>C. bambusae</i> van der Goot, 1917 | .. | 24 : 174 |
|---|----|----------|

38. CERATOVACUNA Zehntner, 1894

- | | | |
|---------------------------------------|----|----------|
| 72. <i>C. lanigera</i> Zehntner, 1897 | .. | 12 : 187 |
|---------------------------------------|----|----------|

39. PSEUDOREGMA Doncaster, 1966

- | | | |
|--|----|---------|
| 73. <i>P. bambusicola</i> Takahashi 1893 | .. | 2 : 333 |
|--|----|---------|

5. SUBFAMILY - LACHNINAE

40. LACHNUS Burmeister, 1835

- | | | |
|---|----|----------|
| 74. <i>L. greeni</i> van der Goot (<i>Cinara</i> Curtis) | .. | 16 : 184 |
|---|----|----------|

41. PYROLACHNUS A.N Basu & Hille Ris Lambors 1968

- | | | |
|---|----|---------------|
| 75. <i>P. pyri</i> Buckton 1899 (= <i>L. pyri</i>) | .. | HORDI Records |
|---|----|---------------|

6. SUBFAMILY - PEMPHIGINAE (ERIOSOMATINAE)

TRIBE - ERISTOMATINI**42. CERATOPEMPHIGUS** Schouteden, 1905

(Endemic sp.) 76. *C. zehntneri* Schouteden 1905 .. 16 : 181

43. ERIOSOMA Leach 1818

77. *E. lanigerum* Hausmann, 1802 .. HORDI Records

44. GEOICA Hart, 1894

78. *G. lucifuga* Zehntner .. 16 : 62

45. KALTENBACHIELLA Schouteden, 1906

79. *K. elsholtriae* (Shinji) .. 11 : 130

80. *K. japonica* Matsumura, 1917 .. 11 : 132

46. TETRANEURA Hartig, 1814

81. *T. nigriabdominalis* Sasaki, 1899 (= *hirsuta* Baker) .. 14 : 63

82. *T. yezoensis* Matsumura, 1917 .. 2 : 360

II LIST OF APHIDS AND THEIR HOST PLANTS ¹

Acyrtosiphon gossypii Mordvilko

Sesbania grandiflora [Edirisinghe, 1994]

Acyrtosiphon kondoi Shinji

Canna indica, *Cynara cardunculus*, *Vernonia arborea* [Wijerathna, 1996]

Acyrtosiphon pisum Harris

Lycopersicon esculentum, *Ipomoea batatas* [Wijerathna, 1996]

Akkaia taiwana Tak.

Host plant unknown [van der Goot, 1918] [NHM Coll.]

Aphis craccivora Koch

Dolichos lablab [Judenko & Eastop, 1963]

Aphis fabae solanella Theobald

From yellow water traps [Judenko & Eastop, 1963]

Aphis gossypii Glover

Aristolochia indica, *Solanum torvum* [van der Goot, 1918]

Aphis nasturtii Kaltenbach

Solanum nigrum [Wijerathna, 1996]

Aphis nerii Boyer de Fonscolombe

Jatropha sp. [Judenko & Eastop, 1963]

Aphis spiraecola van der Goot (= *citricola* Patch)

From yellow traps [Judenko & Eastop, 1963]

Astegopteryx (= *Oregma*) *bambusae* Buckton

Dendrocalamus giganteus [Schouteden, 1905]

Astegopteryx (= *Oregma*) *insularis* van der Goot

Dendrocalamus strictus [van der Goot, 1918]

NHM – Natural History Museum Collection, London.

HORDI – Horticultural Research and Development Institute, Gannoruwa, Sri Lanka.

¹Based on the first reference to the aphid species

- Astegopteryx* (= *Oregma*) *minuta* van der Goot
Dendrocalamus strictus [van der Goot, 1918]
- Aulacorthum* (= *Neomyzus*) *circumflexus* Buckton
From yellow water trap [Judenko & Eastop, 1963]
- Aulacorthum solani* Kaltenbach
Solanum tuberosum, *Citrus* sp. [Judenko & Eastop, 1963]
- Brachycaudus helichrysi* Kaltenbach
Memecylon sp. (mermer glover) [van der Goot, 1918]
- Ceratopemphigus zehntneri* Schouteden [Endemic species]
Brunfelsia uniflora. [Judenko & Eastop, 1963]
- Cerataphis variabilis* [= *lataniae* Hille Ris Lamber]
Cocos sp. [Judenko & Eastop, 1963]
- Ceratoglyphina bambusae* van der Goot
Bambusa vulgaris [Wijerathna, 1996]
- Ceratovacuna lanigera* Zehntner
Saccharum sp. [Schouteden, 1905]
- Chaetosiphon* (= *Pentatrachopus*) *tetrarhodum* Walker
Rosa sp. (rose) [NHM Coll.]
- Dysaphis crataegi* Kaltenbach
Daucus carota [Wijerathna, 1996]
- Eriosoma* (= *Schizoneura*) *lanigerum* Hausmann
[HORDI Records]
- Geoica lucifuga* Zehnt
From yellow water traps [Judenko & Eastop, 1963]
- Greenidea* (= *Siphonophora*) *artocarpi* Wstw
Artocarpus integrifolia, *Onosma ferrea* [Schouteden, 1905]
- Greenidea formosana* Takahashi
Psidium guajava L. (Wijerathna, 1996)
- Greenideoida ceyloniae* van der Goot
Mesua ferrea [van der Goot, 1918]

Hylopterus pruni Geoffroy

Host plant unknown [NHM Coll.]

Hysteroneura setariae Thomas*Eleusine indica*, *Eragrostis tenuifolia*, *Panicum maximum*, *Paspalum dilatatum* [Edirisinghe, 1994]***Ipuka* (= *Aulacorthum*) *dispersum*** van der Goot*Emilia javanica* [Judenko & Eastop, 1963]***Kaltenbachiella* (= *Eriosoma*) *elsholtziae*** Shinji*Elsholtzia patrini* [Ghosh, 1981]***Kaltenbachiella japonica*** Matsumura

From yellow water traps [Judenko & Eastop, 1963]

Lachnus greeni van der Goot*Cryptomeria* sp. [Schouteden, 1905]***Lipaphis erysimi*** Kaltenbach*Brassica oleracea* [Judenko & Eastop, 1963]***Macrosiphoniella sanborni*** Gillette*Chrysanthemum* sp. [Judenko & Eastop, 1963]***Macrosiphoniella pseudoartemisiae*** Shinji*Artemisia vulgaris* [Wijerathne, 1996]***Macrosiphum euphorbiae*** Thomas*Citrus* sp. [Judenko & Eastop, 1963]***Macrosiphum rosae*** L.*Rosa indica* [van der Goot, 1918]***Matsumuraja capitophoroides*** H.R.L. [Endemic species]

From yellow water traps [Judenko & Eastop, 1963]

Melanaphis* (= *Longiunguis*) *sacchari (Zehntner)

From yellow water traps [Judenko & Eastop, 1963]

Micromyzus judenkoi Carver

From yellow water traps [Judenko & Eastop, 1963]

Micromyzus kalimpongensis Basu*Elettaria cardamomum* [Wijerathna, 1996]

- Micromyzus nigrum* van der Goot
on Fern [van der Goot, 1918];
- Myzus ascalonicus* Doncaster.
Brassica oleracea, *Brassica oleracea* var *botrytis*, *Phaseolus vulgaris*
[Wijerathna, 1996]
- Myzus boehmeriae* Tak.
Rubus leucocarpus [NHM Coll.]
- Myzus cerasi* Fabricius
Eupatorium riparium [Wijerathna, 1996]
- Myzus obtusirostris* David *et al.*
[NHM Coll.]
- Myzus ornatus* Laing
From yellow water traps [Judenko & Eastop, 1963]
- Myzus persicae* Sulzer
From yellow water traps [Judenko & Eastop, 1963]
- Neotoxoptera oliveri* (Essig)
Nephrolepis biserrata [Wijerathna, 1996]
- Pentalonia nigronervosa* Coquerel
Musa sp. (Banana) [Judenko & Eastop, 1963]
- Phorodon humuli* (Schrank)
on unidentified plant [Wijerathna, 1996]
- Pseudoregma bambusicola* Takahashi
Bambusa vulgaris (bamboo) [Blackman, 1984]
- Pyrolachnus* (= *Lachnus*) *pyri* Buckton
Pyrus communis (pears), blackthorn ? and *Eriobotrya japonica* (loquat)
[HORDI Records]
- Rhodobium porosum* Sanderson
Rosa indica [Edirisinghe, 1994]
- Rhopalosiphoninus latysiphon* (Davidson)
Solanum tuberosum (potato) [NHM Coll.]

Rhopalosiphum maidis (Fitch)

Eleusine coracana, *Sorghum vulgare*, *Oryza sativa*, *Zea mays* [Judenko & Eastop, 1963]

Rhopalosiphum padi (L.)

Paspalidium flavidum [Edirisinghe, 1994]

Rhopalosiphum rufiabdominalis (Sasaki)

From yellow water traps [Judenko & Eastop, 1963]

Schizaphis cyperi (van der Goot)

From yellow water traps [Judenko & Eastop, 1963]

Schizaphis graminum (Rondani)

From yellow water traps [Judenko & Eastop, 1963]

Schizaphis hypersiphonata Basu

[NHM Coll.]

Schizaphis (=Toxoptera) minuta (van der Goot)

Fimbristylis diphylla [van der Goot, 1918]

Schoutedenia lutea (van der Goot)

From yellow water traps [Judenko & Eastop, 1963]

Shivaphis celti Das

Celtis cinnamomea [van der Goot, 1918]

Sinomegoura citricola (van der Goot)

From yellow water traps [Judenko & Eastop, 1963]

Sitobion avenae (Fabricius)

Eragrostis tenuifolia., *Panicum maximum*, *Pennisetum polystachyon*
[Edirisinghe, 1994]

Sitobion lambersi (David)

on grass [NHM Coll.]

Sitobion leelamaniae (David)

[NHM Coll.]

Sitobion miscanthi (Takahashi)

Brachiaria brizantha, *Panicum repens*, *Pittosporum ferrugineum* [Edirisinghe, 1994];

Sitobion pauliani Rem.

on grass [NHM Coll.]

Sitobion phyllanthi Takahashi

Host plant unknown [NHM Coll.]

Sitobion wikstroemiae (Mamet.)

Wikstroemia indica [Edirisinghe, 1994]

***Sitobion* sp.**

Sauropus androgynus [Wijerathna, 1996]

Tetraneura nigriabdominalis Sasaki (= *hirsuta* Baker).

From yellow water traps [Judenko & Eastop, 1963]

Tetraneura yezoensis Matsumura

on grass [Blackman & Eastop, 1984]

Tinocallis kahawaluokalani (Kirkaldy)

Lagestroemia speciosa [Wijerathna, 1996]

Toxoptera aurantii (Boyer de Fonscolombe)

Theobroma cacao [Judenko & Eastop, 1963]

Toxoptera citricidus Kirkaldy (= *Aphis tavaresi* Del Guercio).

Citrus sp. [Judenko & Eastop, 1963]

Toxoptera* (= *Longiunguis spathodeae*) *odinae (van der Goot)

Panax sp. [van der Goot, 1918];

Uroleucon* (*Macrosiphum*) *minutum van der Goot

Vernonia cinerea [van der Goot, 1918]

Vesiculaphis caricis (Full.)

on grass [NHM Coll.]

**III LIST OF HOST PLANTS FROM WHICH APHIDS HAVE BEEN
RECORDED****

BOTANICAL NAME	FAMILY
<i>Aristolochia indica</i> L.	Aristolochiaceae
<i>Artocarpus heterophyllus</i> Lam. [= <i>A. integrifolia</i> L.*]	Moraceae
<i>Bambusa</i> sp.	Poaceae
<i>Bambusa vulgaris</i> Schrad. ex Wendl.	Poaceae
<i>Brachiaria brizantha</i> Hochst. ex A. Rich	Poaceae
<i>Brassica oleracea</i> L.	Brassicaceae
<i>Brassica oleracea</i> var. <i>botrytis</i> L.	Brassicaceae
<i>Brunfelsia uniflora</i> Pohl. D.	Solanaceae
<i>Canna indica</i> L.	Cannaceae
<i>Celtis cinnamomea</i>	Ulmaceae
<i>Chrysanthemum</i> sp.	Asteraceae
<i>Citrus</i> sp.	Rutaceae
<i>Cocos</i> sp.	Arecaceae
<i>Cryptomeria</i> sp.	Taxodiaceae (Gymnosperm)
<i>Cynara cardunculus</i> L.	Asteraceae
<i>Daucus carota</i> L.	Apiaceae
<i>Dendrocalamus giganteus</i> Wall. ex Munro	Poaceae
<i>Dendrocalamus strictus</i> (Roxb.) Nees	Poaceae
<i>Dolichos lablab</i> L.	Fabaceae
<i>Elettaria cardomomum</i> var. <i>cardomomum</i> L.	Zingiberaceae
<i>Eleusine coracana</i> (L.) Gaertn.	Poaceae
<i>Eleusine indica</i> (L.) Gaertn.	Poaceae

* Refers to the host plant as given in Shouteden, 1905

** Includes only the very first host record

<i>Elsholtzia cristata</i> Willd [= <i>E. patrini</i> Garcke, Fl. Deutschl.*]	Lamiaceae
<i>Emilia exserta</i> sensu Alston [= <i>E. javanica</i> .C.Rob*]	Asteraceae
<i>Eragrostis tenuifolia</i> (A. Rich.) Hochst. ex. Steud.	Poaceae
<i>Eriobotrya japonica</i>	Rosaceae
<i>Eupatorium riparium</i> L.	Asteraceae
<i>Fimbristylis dichotoma</i> L. Vahl [= <i>F. diphylla</i> (Retz.)*]	Cyperaceae
<i>Ipomoea batatas</i> (L.) Lam.	Convolvulaceae
<i>Jatropha</i> sp.	Euphorbiaceae
<i>Lagerstroemia speciosa</i> (L.) Pers.	Lythraceae
<i>Lycopersicon esculentum</i> Mill.	Solanaceae
<i>Memecylon</i> sp.	Melastomaceae
<i>Mesua ferrea</i> L.	Clusiaceae
<i>Musa</i> sp. [=Banana*]	Musaceae
<i>Nephrolepis biserrata</i> (Sw.) Schott.	Davalliaceae (Fern)
<i>Nicotiana tabacum</i> L.	Solanaceae
<i>Onosma ferrea</i> L.	Boraginaceae
<i>Oryza sativa</i> L.	Poaceae
<i>Panax</i> sp.	Araliaceae
<i>Panicum maximum</i> Jacq.	Poaceae
<i>Panicum repens</i> L.	Poaceae
<i>Paspalum dilatatum</i> Poir.	Poaceae
<i>Pennisetum polystachyon</i> (L.) Schult.	Poaceae
<i>Phaseolus vulgaris</i> L.	Fabaceae
<i>Pittosporum ferrugineum</i> Dry.	Pittosporaceae
<i>Psidium guajava</i> L.	Myrtaceae
<i>Pyrus communis</i> L.	Rosaceae
<i>Rosa indica</i> L.	Rosaceae
<i>Rosa</i> sp.	Rosaceae

* Refers to the host plants as given in (Ghosh, 1981), (Judenko & Eastop, 1963) and (van der Goot, 1918)

<i>Rubus leucocarpus</i> Arn.	Rosaceae
<i>Saccharum</i> sp.	Poaceae
<i>Saccharum officinarum</i> L.	Poaceae
<i>Sauropus androgynus</i> (L.) Merr.	Euphorbiaceae
<i>Sesbania grandiflora</i> (L.) Poir.	Fabaceae
<i>Solanum nigrum</i> L.	Solanaceae
<i>Solanum torvum</i> Sw.	Solanaceae
<i>Solanum tuberosum</i> L.	Solanaceae
<i>Sorghum bicolor</i> (L.) Moench [= <i>S. vulgare</i> Pers.*]	Poaceae
<i>Theobroma cacao</i> L.	Sterculiaceae
<i>Vernonia arborea</i> Ham.	Asteraceae
<i>Vernonia cinerea</i> (L.) Less.	Asteraceae
<i>Wikstroemia indica</i> (L.) C.A. Mey	Thymelaeaceae
<i>Zea mays</i> L.	Poaceae

* Refers to the host plant as given in Judenko & Eastop, 1963

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