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A CHECKLIST OF THE APHIDS OF HONDURAS (HEMIPTERA: APHIDIDAE)

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ABSTRACT

Forty-six species, belonging to 30 different genera of aphids, are reported from Honduras. Of these, 26 represent new distribution records for Honduras. A list of the plant hosts in Honduras on which the aphid species were collected is included.

Key Words: Aphididae, aphids, Honduras, survey, host plants, citrus tristeza

RESUMEN

Cuarenta y seis especies de áfidos en 30 géneros diferentes están informados de Honduras. De estos géneros, 26 representan nuevos registros para Honduras. Se incluye una lista de las plantas hospederas de estos áfidos en Honduras.

Translation provided by the authors.

Honduras comprises 18 political units called Departmentos (Departments) representing a wide variety of habitats and ecosystems. Very few studies have examined the aphid fauna of Honduras. Evers (1968) reported 14 aphid species associated with banana and nearby ground cover plants in the banana plantations of the Ulua Valley in northern Honduras. Smith & Cermeli (1979) reported 3 additional species from Honduras in their catalog of aphids of the Caribbean Islands, and South and Central America.

From 1987 to 1988, the senior author (GAE) collected aphids and other insects on plants in several departments of Honduras, but primarily in the central and western region. Host plants were identified by Dr. Antonio Molina of the Panamerican Agricultural School (EAP), Zamorano, Honduras. In addition, we have included unpublished records of aphid specimens present in the United States National Museum (USNM) collection and those intercepted by the Animal Plant Health Inspection Service (APHIS, USDA). from 1988 to 2007 at U.S. ports of entry on shipments of products from Honduras. Readers are cautioned that species that are only known from specimens intercepted at a U.S. port of entry on plant material exported from Honduras may not necessarily be established in Honduras, and must be confirmed by collections made on plants grown within the country.

Forty-six species of aphids, belonging to 30 different genera, are reported in Honduras based upon these collections, literature records, and the species intercepted at U.S. ports of entry from Honduras; of these, 26 represent new distribution records. A host plant list for the aphids collected in or on shipments from Honduras is included. Several of the records of aphids occurring on plants that we have noted are unlikely to be the aphid's "true" host. Aphids often will land on a non-host plant, but will not feed and develop on the plant. The following format is used to present the collection and record data. Each record begins with the name of the Department of Honduras written in capital letters followed by the city, date of collection, collector and host plant. The Department of Francisco Morazan and the Escuela Agricola Panamericana are abbreviated as FCO. MORAZAN and EAP, respectively.

COLLECTION DATA AND RECORDS FOR APHID SPECIES OF HONDURAS

Aphis coreopsidis (Thomas): EL PARAISO, Rio Chiquito near Repaco, 10-XII-1987, G. Evans, ex *Baccharis salicifolia*. FCO. MORAZAN, Lizapa, 26-VI-1991, K. Andrews, ex *Bidens pilosa.* Evers (1968) listed this species on *Bidens pilosa*, *Chaptalia nutans* and *Vernonia scorpioides*.

Aphis craccivora Koch: FCO. MORAZAN, El Zamorano, EAP, 14-IV-1988, G. Evans, ex *Cajanus cajan* and 18-V-1988, G. Evans, ex *Kallstoemia maxima*; El Zamorano, 23-III-1988, G. Evans, ex *Gliricidia sepium*. Intercepted at a U.S. port of entry from Honduras on *Cucurbita* sp. and at Miami, Florida on "golden shower" [*Cassia fistula*?], 19-I-1963, Buff from Honduras. Evers (1968) listed this species on *Gliricidia sepium*, *Kallstroemia maxima* and *Vigna sinensis*.

Aphis gossypii Glover: FCO. MORAZAN, El Zamorano, EAP, 22-II-1988, G. Evans, ex *Cyphomandra betacea*; 10-X-1987, G. Evans, ex *Calli-*

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TABLE 1. HOST PLANT RECORDS FOR THE APHIDS OF HONDURAS.

Acalypha wilkesiana Muell. Arg. [Euphorbiaceae]
Aphis gossypii
Aphis spiraecola
Toxoptera aurantii
Ageratum conyzoides L. [Asteraceae]
Aphis gossypii
Ananas comosus Merr. [Bromeliaceae]
*Hyalopterus pruni**[int]
Apium graveolens L. [Umbelliferae]
Aphis spiraecola
Arecaceae species [Arecaceae]
Cerataphis brasiliensis
Argemone mexicana L. [Papaveraceae]
Pemphigus sp.
Aristolochia grandiflora Sw. [Aristolochiaceae]
Aphis gossypii
Myzus persicae
Asclepias curassavica L. [Asclepiadaceae]
Aphis nerii
Baccharis salicifolia (Ruiz & Pavon) Pers [Asteraceae]
Aphis coreopsidis
Baltimora recta L. [Asteraceae]
Aphis gossypii
Beta vulgaris L. [Chenopodiaceae]
Myzus persicae
Bidens pilosa L. [Asteraceae]
Aphis coreopsidis
Blechum pyramidatum (Lam.) Urb. [Acanthaceae]
Aphis gossypii
Bougainvillea glabra Choisy [Nyctaginaceae]
Myzus persicae group
Brassica campestris L. [Brassicaceae]
Brevicoryne brassicae
Brassica juncea (L.) Czern.[Brassicaceae]
Lipaphis pseudobrassicae
Brassica oleracea L. acephala group [Brassicaceae]
Myzus persicae
Brassica oleracea L. botryis group [Brassicaceae]
Myzus persicae
Brassica oleracea L. capitata group [Brassicaceae]
Brevicoryne brassicae
Lipaphis pseudobrassicae
Brassica oleracea L. [Brassicaceae]
Lipaphis pseudobrassicae
Caesalpinia pulcherrima (L.) Sw. [Fabaceae]
Macrosiphum euphorbiae
Cajanus cajan (L.) Millsp. [Fabaceae]
Aphis craccivora
Callistemon lanceolatus (Sm.) Sweet [Myrtaceae]
Aphis gossypii
Callistemon sp. [Myrtaceae]
Myzus persicae
Capsicum annuum L. [Solanaceae]
Aphis gossypii
Myzus persicae
Cattleya sp. [Orchidaceae]
Cerataphis orchidearum[int]
*Hyperomyzus lactucae**

TABLE 1. (CONTINUED) HOST PLANT RECORDS FOR THE APHIDS OF HONDURAS.

Cecropia hondurensis Standl. [Moraceae]
Aphis gossypii
Cenchrus brownii Roemer & J.A. Schultes [Poaceae]
Sipha flava
Chaptalia nutans (L.) Polak [Asteraceae]
Aphis coreopsidis
Aphis gossypii
Chromolaena odorata (L.) R. M. King & H. Rob. [Asteraceae]
*Chaitophorus poss. viminalis**
Chrysanthemum sp. [Asteraceae]
Macrosiphoniella sanborni
Cirsium costaricense (Polak.) Petrak. [Asteraceae]
Capitophorus elaeagni
Cissus sicyoides L. [Vitaceae]
Aphis illinoisensis
Citrus sinensis (L.) Osbeck [Rutaceae]
Aphis spiraecola
Toxoptera aurantii
Citrus limon (L.) Burm. [Rutaceae]
Toxoptera aurantii
Colocasia esculenta (L.) Schott [Araceae]
Aphis gossypii[int]
Cordia dentata Poiret [Boraginaceae]
Aphis gossypii
*Rhopalosiphum maidis**
Cryptostegia madagascariensis Bojer ex Dcne. [Asclepiadaceae]
Aphis nerii
Aphis spiraecola
Cucumis melo L. [Cucurbitacae]
Aphis gossypii[int]
*Rhopalosiphum maidis**
Cucumis sativus L. [Cucurbitacae]
Aphis gossypii
Cucurbita pepo L. [Cucurbitacae]
Aphis gossypii
Myzus persicae
Cupressus sp. [Cupressaceae]
Siphonatrophia cupressi
Cynanchum rensonii (Pittier) Woodson [Asclepiadaceae]
Aphis spiraecola
Aphis nerii
Cyperus rotundus L. [Cyperaceae]
Carolinaia cyperi
Cyphomandra betacea (Cav.) Sendtner [Solanaceae]
Aphis gossypii
Daucus carota L. [Umbelliferae]
*Rhopalosiphum maidis**
Erechtites hieraciifolius (L.) Raf. [Asteraceae]
Aphis gossypii
Fragaria sp. [Rosaceae]
Chaetosiphon (Pentatrichopus) minor
Funastrum clausum (Jacq.) Schlechter [Asclepiadaceae]
Aphis nerii
Galinsoga urticaefolia Benth. [Asteraceae]
Aulacorthum solani

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TABLE 1. (CONTINUED) HOST PLANT RECORDS FOR THE APHIDS OF HONDURAS.

Gardenia augusta (L.) Merr. [Rubiaceae]
Aphis spiraecola
Gliricidia sepium (Jacq.) Steud. [Fabaceae]
Aphis craccivora
Gmelina arborea Roxb. [Verbenaceae]
Aphis gossypii
Guazuma ulmifolia Lam. [Sterculiaceae]
Aphis gossypii
Gynura aurantiaca (Blume) D. C. [Asteraceae]
Aphis gossypii
Hamelia patens Jacq. [Rubiaceae]
Aphis gossypii
Aphis spiraecola
Hampea stipitata Watson [Malvaceae]
Aphis gossypii
Helianthus annuus L. [Asteraceae]
Aphis spiraecola
Heliconia latispatha Benth. [Musaceae]
Pentalonia nigronervosa
Hibiscus rosa-sinensis L. [Malvaceae]
Aphis gossypii
Iresine calea (Ibanez) Standl. [Amaranthaceae]
Myzus persicae
Ixophorus unisetus (Presl.) Schlecht [Poaceae]
Rhopalosiphum maidis
Tetraneura nigriabdominalis
Ixora coccinea L. [Rubiaceae]
Aphis gossypii
Toxoptera aurantii
Kallstroemia maxima (L.) Torr. & Gray [Zygophyllaceae]
Aphis craccivora Koch
Aphis craccivora
Lagerstroemia indica L. [Lythraceae]
Sarucallis kahawaluokalani
Ludwigia sp. [Onagraceae]
Hyalomyzus jussiaeae
Lycopersicon esculentum Mill. [Solanaceae]
Aphis spiraecola
Macrosiphum euphorbiae
Malachra fasciata Jacq. [Malvaceae]
Aphis gossypii
Melinis minutiflora P. Beauv. [Asteraceae]
Hysteroneura setariae
Mimosa pigra L. [Fabaceae]
*Macrosiphum salviae**
Momordica charantia L. [Cucurbitaceae]
Aphis gossypii
Murraya paniculata (L.) Jack. [Rutaceae]
Toxoptera aurantii
Musa sapientum L. [Musaceae]
Aphis gossypii
Pentalonia nigronervosa
Paspalum fasciculatum Sw. [Poaceae]
Tetraneura nigriabdominalis
Paspalum sp. [Poaceae]
*Aphis spiraecola**

TABLE 1. (CONTINUED) HOST PLANT RECORDS FOR THE APHIDS OF HONDURAS.

Pennisetum purpureum Shumacher [Poaceae]
Rhopalosiphum maidis
Persea americana Mill. [Lauraceae]
Toxoptera aurantii
Phaseolus vulgaris L. [Fabaceae]
Macrosiphum euphorbiae
Picturaphis brasiliensis
Pinus sp. [Pinaceae]
Cinara pinivora
Piper tuberculatum Jacq. [Piperaceae]
Toxoptera aurantii
Piper sp. [Piperaceae]
Aphis gossypii
Portulaca oleracea L. [Portulacaceae]
Aphis gossypii
Priva lappulacea (L.) Pers. [Verbenaceae]
Aphis gossypii
*Aphis nerii**
Prunus persica (L.) Batsch [Rosaceae]
Aphis sp.
Psidium guajava L. [Myrtaceae]
Aphis spiraecola
Raphanus sativus L. [Brassicaceae]
Lipaphis pseudobrassicae
Rauvolfia tetraphylla L. [Apocynaceae]
Aphis gossypii
Rosa alcea Greene [Rosaceae]
*Chaetosiphon thomasi**[int]
Macrosiphum rosae
Rosa sp. [Rosaceae]
*Monellia caryella**
Rhodobium porosum
Rottboellia cochinchinensis (Lour.) Clayton [Poaceae]
Rhopalosiphum maidis
Salix prob. *chinensis* [Salicaceae]
Macrosiphum californicum
Salix humboldtiana Willd. [Salicaceae]
Cavariella aegopodii
Schefflera sp. [Araliaceae]
Aphis spiraecola[int]
Sechium edule (Jacq.) Swartz [Cucurbitaceae]
Aphis spiraecola
Setaria parviflora (Lam.) Beauv. [Poaceae]
Tetraneura nigriabdominalis
Sida acuta Burm. [Malvaceae]
Aphis gossypii
Solanum hirsutum Vahl. [Solanaceae]
Aphis gossypii
Solanum melongena L. [Solanaceae]
Aphis gossypii[int]
Solanum nigrum L. [Solanaceae]
Aphis gossypii
Solanum verbascifolium L. [Solanaceae]
Aphis gossypii
Sorghum bicolor (L.) Moench [Poaceae]
Rhopalosiphum maidis
Sphagneticola trilobata (L.) Praski [Asteraceae]
Aphis gossypii

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TABLE 1. (CONTINUED) HOST PLANT RECORDS FOR THE APHIDS OF HONDURAS.

Teucrium inflatum Sw. [Labiatae]
Aphis gossypii
Tithonia rotundifolia (P. Mill.) Blake [Asteraceae]
*Lipaphis pseudobrassicae**
Uroleucon sp.
Urera sp. [Urticaceae]
Aphis gossypii
Urochloa maxima (Jacq.) R. D. Webster [Poaceae]
Rhopalosiphum maidis
Urochloa mutica (Forssk.) T. Q. Nguyen [Poaceae]
Rhopalosiphum maidis
Tetraneura nigriabdominalis
Vanilla sp. [Orchidaceae]
*Cerataphis orchidearum**[int]
Verbesina myriocephala Sch. Bip. [Asteraceae]
Uroleucon verbesinae
Vernonia scorpioides (Lam.) Pers. [Asteraceae]
Aphis coreopsidis
Vigna sinensis (L.) Endl. [Fabaceae]
Aphis craccivora
Vinca major L. [Apocynaceae]
Aphis gossypii
Vitis tiliaefolia Humb. & Bonpl. [Vitaceae]
Aphis illinoisensis
Vitis vinifera L. [Vitaceae]
Aphis illinoisensis
Xanthosoma roseum Schott. [Araceae]
Aphis gossypii
Myzus persicae
Pentalonia nigronervosa
Zea mays L. [Poaceae]
Hysteroneura setariae
Rhopalosiphum maidis

*Plant species is probably not a true host of this aphid species.
[int] = Intercepted at U.S. Port of Entry.

stemon lanceolatus; 22-I-1988, K. Andrews, ex *Cucurbita pepo*; FCO. MORAZAN, Tegucigalpa, 5-IV-1988, G. Evans, ex *Vinca major* and 5-IV-1988, ex *Gmelina arborea*. Intercepted at a U.S. ports of entry from Honduras on *Colocasia*, *Cucumis melo*, *Cucurbita* sp., *Momordica charantia* and *Solanum melongena*. Evers (1968) listed this species on *Acalypha wilkesiana*, *Ageratum conyzoides*, *Baltimora recta*, *Aristolochia grandiflora*, *Blechum pyramidatum*, *Capsicum annuum*, *Cecropia hondurensis*, *Chaptalia nutans, Cordia dentata*, *Cucumis sativus*, *Erechtites hieraciifolius*, *Guazuma ulmifolia*, *Gynura aurantiaca*, *Hamelia patens*, *Hampea stipitata*, *Hibiscus rosasinensis*, *Ixora coccinea*, *Malachra fasciata*, *Momordica charantia*, *Musa sapientum*, *Piper* sp., *Portulaca oleraceae*, *Priva lappulacea*, *Rauvolfia tetraphylla*, *Sphagneticola trilobata*, *Sida acuta*, *Solanum verbascifolium*, *Solanum hirsutum*, *Solanum nigrum*, *Teucrium inflatum*, *Urera* sp. and *Xanthosoma roseum*.

Aphis illinoisensis Shimer: FCO. MORAZAN, El Zamorano, EAP, 13-VI-1988, G. Evans, ex *Vitis vinifera*. Evers (1968) listed this species from *Cissus sicyoides* and *Vitis tiliaefolia*.

Aphis nerii Fonscolombe: FCO. MORAZAN, Tegucigalpa, 24-III-1988, G. Evans, ex *Cryptostegia madagascariensis*; Evers (1968) listed this species from *Asclepias curassavica*, *Cynanchum rensonii*, *Funastrum clausum*, and *Priva lappulacea*.

Aphis spiraecola Patch: FCO. MORAZAN, El Zamorano, EAP, 27-XI-1987, G. Evans, ex *Apium graveolens*; 16-IV-1987, G. Evans, ex ornamental plant with a white flower; 13-V-1988 and 16-III-1988, ex *Citrus sinensis*; 9-XII-1987, ex *Paspalum* sp. (probably not a true host); 1-XII-1987, ex *Helianthus annuus*; 7-IV-1988, ex *Gardenia augusta*; El Zamorano, 28-X-1987, G. Evans, ex *Lycopersicon esculentum*; Tegucigalpa, 5-IV-1988, G. Evans, ex *Psidium guajava*; 26-III-1988, ex *Acalypha wilkesiana*; Tegucigalpa, 26-III-1988, G. Evans, ex *Cryptostegia madagascariensis*; Rio Hondo, 19-III-1992, B. Castro, ex *Sechium edule*. Intercepted at a U.S. port of entry from Honduras on *Schefflera* sp. Evers (1968) listed this species on *Cynachum rensonii*, *Hamelia patens*, and *Citrus sinensis*.

Aphis sp. (immature): OCOTEPEQUE, El Volcan, 16-IV-1988, G. Evans, ex *Prunus persica*.

Aulacorthum solani (Del Guercio): COMAYAGUA, Cero Blanco, 6-III-1988, G. Evans, ex *Galinsoga urticaefolia*. NEW COUNTRY RECORD.

Brevicoryne brassicae (Linnaeus): OCOTEPEQUE, El Corizal, 15-IV-1988, G. Evans, ex *Brassica oleracea* capitata group; Ocoton, 15-IV-1988, G. Evans, ex *Brassica campestris*; San Juan del Rancho, 9-II-1988, G. Evans, ex *Brassica oleracea* capitata group; CHOLUTECA, Los Colorados, 5-V-1990, L. Lastres, host unknown. NEW COUNTRY RECORD.

Capitophorus elaeagni (Del Guercio): Evers (1968) listed this species on *Cirsium costaricense*, from CORTES, Bejuca, 20-VII-1961, C. Evers, USNM.

Carolinaia cyperi Aislie: CORTES, La Lima, 22-I-1970, C. Evers, ex *Cyperus rotundus*. Smith and Cermeli (1979) listed this species from Honduras.

Cavariella sp. (probably a new species): OCOTEPEQUE, San Juan del Rancho, 15-IV-1988, G. Evans, ex *Salix humboltiana*; NEW COUNTRY RECORD (genus not previously known to occur in Honduras).

Cerataphis brasiliensis Hempel: FCO. MORAZAN, El Zamorano, EAP, 1991, F. D. Bennett, ex ornamental palm. NEW COUNTRY RECORD.

Cerataphis orchidearum (Westwood): Honduras, intercepted at New Orleans, 21-XI-1964, K. McClain, ex *Vanilla* sp., USNM; intercepted at Los Angeles, 22-VIII-1984, on an orchid, USNM. Intercepted at a U.S. ports of entry from Hondu-

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ras on *Cattleya* sp. and Orchidaceae. NEW COUNTRY RECORD (its presence in Honduras should be confirmed by collections made within the country). This species moves around the world in the orchid trade. Since most records are from cultivated plants, its actual distribution is difficult to ascertain.

Chaetosiphon thomasi Hille Ris Lambers: Honduras, intercepted at Miami, 12-VII-1966, R. White, ex *Rosa* sp., USNM. NEW COUNTRY RECORD (its presence in Honduras should be confirmed by collections made within the country).

Chaetosiphon (Pentatrichopus) minor (Forbes): FCO MORAZAN, Mt. Uyuca, 5-II-1952, G. Darrow, ex strawberry [*Fragaria* sp.], USNM. NEW COUNTRY RECORD.

Chaitophorus poss. *viminalis* Monell: EL PARAISO, 10-XII-87, G. Evans, ex *Chromolaena odorata* (probably not its true host). NEW COUNTRY RECORD.

Cinara pinivora (Wilson): FCO. MORAZAN, Tegucigalpa, 26-IV-1965, P. Arnold, ex pine [*Pinus* sp.], USNM. NEW COUNTRY RECORD

Hyalomyzus jussiaeae Smith: CORTES, La Lima, 28 II 1962, C. Evers, ex *Ludwigia* sp. NEW COUNTRY RECORD.

Hyalopterus pruni (Geoffroy): Honduras, intercepted at New York, 29-V-1969, S. Gonzalez, ex *Ananas comosus* (probably not its true host). NEW COUNTRY RECORD (its presence in Honduras should be confirmed by collections made within the country).

Hyperomyzus lactucae (Linnaeus): Honduras, intercepted at Brownsville, Texas, 26-III-1948, ex *Cattleya* sp. (unlikely to be its true host), USNM. NEW COUNTRY RECORD (its presence in Honduras should be confirmed by collections made within the country).

Hysteroneura setariae (Thomas): FCO. MORAZAN, Tegucigalpa, 7-IV-1988, G. Evans, ex *Melinis minutiflora*. Evers (1968) listed this species on *Zea mays* and on an unidentified grass.

Lipaphis pseudobrassicae (Davis): FCO MORAZAN, El Zamorano, 14-II-1997, collector unknown, ex *Tithonia rotundifolia* (probably not a true host); Lizapa, 24-VII-1991, K. Andrews, ex *Brassica juncea*; OLANCHO, El Portillo, 21-V-1988, G. Evans, ex *Brassica oleracea capitata* group. Evers (1968) listed this species (as *Hyadaphis pseudobrassicae* Davis) on *Brassica oleracea* and *Raphanus sativus*.

Macrosiphoniella sanborni (Gillette): FCO. MORAZAN, Tegucigalpa, 11-IV-1988, G. Evans, ex *Chrysanthemum* sp. NEW COUNTRY RECORD.

Macrosiphum californicum (Clarke): FCO. MORAZAN, El Zamorano, EAP, 2-IV-1988, G. Evans, ex *Salix* prob. *chinensis*. NEW COUNTRY RECORD.

Macrosiphum euphorbiae (Thomas): FCO. MORAZAN, Tegucigalpa, 21-II-1988, G. Evans, ex *Caesalpinia pulcherrima*; El Zamorano, EAP, 26-I-1988, G. Evans, ex *Lycopersicon esculentum*; OLANCHO, Salama, 21-I-1988, G. Evans, ex *Phaseolus vulgaris*. NEW COUNTRY RECORD.

Macrosiphum pauliani (Remaudiere): Smith and Cermeli (1979) listed this species from Honduras.

Macrosiphum rosae (Linnaeus): FCO. MORAZAN, El Zamorano, EAP, 14-XII-1987, G. Evans, ex *Rosa alcea*. NEW COUNTRY RECORD.

Macrosiphum salviae Bartholomew: COMAYAGUA, Comayagua, 9-I-1980, S. Passoa, ex *Mimosa pigra* (unlikely to be its true host). USNM. NEW COUNTRY RECORD.

Monellia caryella (Fitch): COMAYAGUA, Siguatepeque, 15-V-1972, R. J. Morgan, ex *Rosa* sp. NEW COUNTRY RECORD. This species is usually associated with hickory (*Carya* sp).

Myzus ornatus Laing: Honduras, intercepted at Miami, 20-I-1962, C. Stegmaier, ex cactus plant, USNM. NEW COUNTRY RECORD (its presence in Honduras should be confirmed by collections made within the country).

Myzus persicae (Sulzer): FCO. MORAZAN, Tegucigalpa, 12-IV-1988, G. Evans, ex *Iresine calea*; FCO. MORAZAN, El Zamorano, EAP, 22-II-1988, G. Evans, *Beta vulgaris*; 10-X-1988, ex *Callistemon lanceolatus*; 26-XI-1987, ex *Capsicum annuum*; 23-II-1988, ex *Cucurbita pepo*. Evers (1968) listed this species on *Aristolochia grandiflora*, *Brassica oleracea* botrytis group, *Brassica oleracea* acephala group and *Xanthosoma roseum*.

Myzus persicae group (possibly an undescribed species): FCO. MORAZAN, El Zamorano, EAP, 23-II-1988, ex *Cucurbita pepo*; 16-IV-1990, K. Andrews, ex *Bougainvillea glabra*. NEW COUNTRY RECORD.

Pemphigus sp: OLANCHO, near Juticalpa, 19-XII-1987, G. Evans, ex roots of *Argemone mexicana*. NEW COUNTRY RECORD for this genus previously not known to occur in Honduras.

Pentalonia nigronervosa Coquerel: Evers (1968) listed this species from *Heliconia latispatha*, *Musa sapientum*, and *Xanthosoma roseum*.

Picturaphis brasiliensis (Moreira): FCO. MORAZAN, El Zamorano, EAP, G. Evans, ex *Bidens* sp. present in a field of beans (*Phaseolus vulgaris*), which is a common host for this species. NEW COUNTRY RECORD (its presence in Honduras should be confirmed by collections made within the country).

Rhodobium porosum (Sanderson): Honduras, intercepted in Miami, 24-XI-1963, R. Higgins, ex rose [*Rosa* sp.], USNM. NEW COUNTRY RECORD (its presence in Honduras should be confirmed by collections made within the country).

Rhopalosiphum maidis (Fitch): FCO. MORAZAN, El Zamorano, EAP, 26-II-1988, G. Evans, ex *Daucus carota* growing beside *Zea mays* (probably its true host); 11-II-1988, G. Evans, ex *Sorghum bicolor*; San Antonio de Oriente, 25 IX 1993, A.

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Salazar, ex *Cucumis melo*; OLANCHO, La Union, 18-IX-1987, G. Evans, ex *Rottboelia cochinchinensis*. Evers (1968) listed this species on *Cordia dentata* (young shoots on a stump in corn patch) and from *Ixophorus unisetus*, *Pennisetum purpureum*, *Sorghum bicolor* [=*Holcus sorghum*], *Urochloa* [=*Panicum*] *maxima*, *Urochloa mutica* [=*Panicum barbinode*] and *Zea mays.* It is unlikely that *Daucus carota* and *Cucumis melo* are true hosts of this species, which usually develops on grasses.

Rhopalosiphum rufiabdominale (Sasaki): NEW COUNTRY RECORD. Species Intercepted at a U.S. port of entry from Honduras on miscellaneous cargo. (USDA 2005).

Sarucallis kahawaluokalani (Kirkaldy): Evers (1968) listed this species from Honduras (as *Tinocallis kahawaluokalani* Kirkaldy) on *Lagerstroemia indica.*

Sipha flava (Forbes): FCO. MORAZAN, El Zamorano, EAP, 19-XII-1987, G. Evans, ex *Cenchrus brownii*. NEW COUNTRY RECORD.

Siphonatrophia cupressi (Swain): COPAN, Santa Rosa de Copan, 14-VI-1988, G. Evans, ex *Cupressus* sp. NEW COUNTRY RECORD.

Tetraneura nigriabdominalis (Sasaki): Evers (1968) listed this species as *T. hirsuta* Baker on the root near the crown of *Ixophorus unisetus*, *Paspalum fasciculatum*, *Setaria parviflora* [=*S. geniculata*], and on *Urochloa mutica* [=*Panicum barbinode*]. This species is also found on the roots of *Oryza sativa* L.

Tetraneura nigriabdominalis subsp. *bispina* Hille Ris Lambers. Smith & Cermeli (1979) listed this subspecies from Honduras.

Toxoptera aurantii (Fonscolombe): FCO MORAZAN, El Zamorano, 17-VI-1987, G. Evans, ex unknown plant; El Zamorano, R. Concede, ex *Persea americana*; INTIBUCA, La Esperanza, 17-IV-1988, G. Evans, on "calaca" (ornamental hedge bush with black fruit); OCOTOPEQUE, El Corizal, 16-IV-1988, G. Evans, ex *Citrus sinensis*. Evers (1968) listed this species on *Acalypha wilkesiana*., *Citrus limon*, *Ixora coccinea*, *Piper tuberculatum* and *Murraya paniculata*.

Toxoptera citricida (Kirkaldy): Honduras. Voetgtlin et al. (2003) reported this species from Costa Rica. Castro (1995) in his survey of the aphids on citrus in Honduras, did not find this species; however, the European and Mediterranean Plant Protection Organization (EPPO) reported its presence in Honduras on their website (EPPO, 2006). This is a very important economic pest, especially for its ability to vector the citrus tristeza virus.

Uroleucon compositae (Theobold): Smith and Cermeli (1979) listed this species from Honduras.

Uroleucon verbesinae (Boudreaux): COPAN, Copan, 13-VII-1961, C. Evers, ex *Verbesina myriocephala*. Evers (1968) listed this species (as *Dactynotus verbesinae*) on *Verbesina myriocephala*.

Uroleucon sp: FCO MORAZAN, El Zamorano, 18-XI-1991, L. Vasquez, ex *Tithonia rotundifolia*; Lizapa, 27-VII-1997, M. Andrews, ex *Tithonia rotundifolia*.

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