A PRELIMINARY LIST OF TEXAS APHIDS

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In 1933 and 1934 the senior author had occasion to visit Texas several times in connection with insecticide experiments in cooperation with the Texas A & M University and several of its branch stations. At that time it was suggested by the local entomologists that he compile a list of the aphids known to occur in Texas. It was planned to do this with the help of A. N. Tissot of the University of Florida.

Records of aphids from the files and collection of the Department of Entomology of Texas A & M University were made available by H. J. Reinhard who also sent the slide collection, both determined and undetermined, to Tissot late in 1934. Professor Reinhard stated that he felt fairly sure that all collections in 1908-1905 were made by C. E. Sanborn and those of 1914-1916 by F. B. Paddock. Determinations of the aphids were then made or verified as far as was possible. However, the project was never completed in any final form.

Having published in the recent past annotated lists of aphids for several states, the senior author decided in 1964 that these records of Texas aphids should be made available to others. As an aid toward this undertaking Dr. R. H. Burke of the Department of Entomology, Texas A & M University, kindly furnished all of the records of aphids in the department collection. The authors are grateful to Professor Reinhard and Dr. Burke for the help they have given by making this information available.

Although C. E. Sanborn is known to have collected a number of species in the state, he published only one paper on Texas aphids (Sanborn 1906). In it he described the alate viviparous female of Macrosiphum granarum Buckton, now known as Macrosiphum avenae (Fabricius), and reported its occurrence on oats at College Station, Texas. Paddock (1915) gave a thorough and complete report on the distribution, life history, biology, natural enemies, and control of the turnip aphid. In a second paper Paddock (1919) gave a similar report on the cotton or melon aphid. Aside from these three early papers, few articles have been published on the aphids of Texas. An interesting exception is a paper by Maxson (1923) which contains the original description of Pemphigus longicornis, for which College Station was designated as the type locality.

This preliminary list gives records of 52 aphids specifically determined, plus 10 determined with a query and two determined to genus only. They were taken on 108 different food plants. Most of these aphids have not previously been recorded from Texas. The list admittedly gives a misleading concept of the aphid fauna of the state which certainly is much richer than is indicated here. Few places in the state have been collected adequately and vast areas of it have not been touched. It is hoped that the publication of this list may serve as a stimulus to renewed interest in Texas aphids.

Most records in the list are as complete as possible but in some cases
collectors, determiners, or other details are unknown. Some species that feed on cultivated plants presumably are found wherever the crops are grown. To conserve space, the records of these common aphids are condensed or summarized and only the more interesting or unusual collections are listed individually.

The aphid names are arranged alphabetically, by genera and by species in each genus. Some of the common names used are unofficial as they are not included in "Common Names of Insects Approved by the Entomological Society of America."

The following abbreviations are used in the list: A&M—collection or records of Department of Entomology, Texas A & M University; collector; det—determiner; USBE&PQ—United States Bureau of Entomology and Plant Quarantine; USDA—United States Department of Agriculture; USNM—United States National Museum.

County names are placed in parentheses following the locality names.

LIST OF TEXAS APHIDS

Aegyrthesion pisiun (Harris), Pca Aphid. USDA Bull. 46: 02, 1904 gives the first record of the occurrence of the pea aphid in Texas. This aphid has since been recorded on purple vetch, hairy vetch, Oregon American vetch and Canadian and Austrian field peas at Weslaco (Hidalgo), 25 May 1933 (Clark det). On English peas—San Saba (San Saba), 2 Mar 1939 (Fletcher det); College Station (Brazos), 12 Apr 1945 (Reinhard det); Dallas (Dallas), 15 May 1935 (Thomas det); Mission (Hidalgo), 17 Oct 1936 (Clark det); Edinburgh (Hidalgo), 10 Mar 1937 (Tissot det). On Austrian winter peas—College Station (Brazos), 6 collections 1945-1957 (Fletcher et al det). On alfalfa—Camp Allison (Sutton), 16 May 1957 (Randolph det); Weslaco (Hidalgo), 4 Mar 1937 (Clark det); Wellington (Collingsworth), 12 Mar 1937 (Mason det). On burclover—Weslaco (Hidalgo), 29 Mar 1937 (Clark det).

Amphorophora sonchi (Ostlund)—see Nasonovia luctuca (Linn.).

Anoea querci (Fitch), College Station (Brazos), 31 Mar 1905 on dogwood (Senborn coll—Tissot det). McKinney (Collin), 27 July 1922 on roots of bunchgrass (Mason det). San Antonio (Bexar), 24 Feb 1923 on roots of bunchgrass (Baker det).

Anuraphis maidiradicis (Forbes), Corn Root Aphid. On weeds in oat field, no locality given, 28 Apr 1916 (Tissot det).

Aphid sp. Houston (Harris), 26 Mar 1916 on Phacelia sp. (A&M).

Aphis cephalanthi Thomas. College Station (Brazos), 14 Aug 1910 on Cephalanthus occidentalis (A&M).

Aphis craccivora Koch. Cowpea Aphid. College Station (Brazos), 12 Apr 1905 on burclover and 9 May 1916 on cotton (Tissot det as A. laburni Kalt.). The following records of this aphid were determined as A. medicagoeis Koch: LaPryor (Zavala), and Eagle Pass (Maverick), 7 Nov 1938 on spinach (Knowlton det). Taylor (Williamson), 6 Feb 1981 on clover (Geo Davis det). McLennan County, 30 Jan 1957 on clover (Russell det). Waco (McLennon), 26 Feb 1954 on vetch and rye (Russell det). Beeville (Bee), Mar 1936 on cotton (USBE&PQ). Waco (McLennon), 12 May 1947 on cotton (Mason det). Brownsville (Cameron), 27 Mar 1941 on Ambrosia sp. (Mason det). Jacksonville (Cherokee), 28 Mar 1946 on purple shell
peas (Reinhard det). Brownsville (Cameron), 21 Dec 1939 on Abutilon hypolellum (Mason det). Lubbock (Lubbock), 19 June 1939 on crowder peas (Knowlton det).

Aphis fabae Scopoli, Bean Aphid. College Station (Brazos), 25 May 1905 on Portulaca oleracea (Tissot det as A. laburni Kalt.). Crystal City (Zavala), Dec 1931 on spinach (USNM det as A. rumicis L.).

Aphis gossypii Glover, Cotton or Melon Aphid. This aphid is generally distributed throughout the state and it no doubt occurs on many more plants than are recorded here. A&M has many records from 1938-1946 on the following crops: cantaloupe, cucumber, muskmelon, watermelon, and cotton. During the same period, however, only two collections were made on okra, two on pumpkin, two on radish and one on squash. During that period collections of this aphid were made on the following non-economic plants: Antigonum sp. College Station (Brazos), 25 July 1904; Oxalis sp. College Station, 25 July 1904 and 23 May 1916; Primula sp. Wichita Falls (Wichita), 7 Nov 1904; Lycium sp., Hibiscus rosa-sinensis and Verbena sp. Del Rio (Val Verde), 15 Mar 1959 (BHGightower det); Abutilon hypolellum 14 Feb 1941, Helianthus sp. Sep 1941, Hibiscus mutabilis 10 Oct 1941, Malvastrum coromandelianum Dec 1941 Brownsville (Cameron), (Mason det).

Aphis helianthi Monell. McLennon County, 1939 on Helianthus sp. (Bibby et al coll—Patch det). Mercedes (Hidalgo), on Helianthus sp. 20 Mar 1951 (Riherd coll—Tissot det).

Aphis illinoisensis Shimer, Grapevine Aphid. On grape—Belton (Bell), 28 Apr, 4 May 1903; Terrell (Kaufman), 30 May 1915; Franklin (Roberson), 15 May 1945 (Tissot det). On wild grape—Gonzales (Gonzales), 8 May 1957 (HATurney coll); College Station (Brazos), 5 May 1914. Wharton (Wharton), 6 June 1905 on “cowitch” (Camposia radicans), presumably accidental or plant misidentified (Sanborn coll—Tissot det).

Aphis nerii B. d. Fonscolomb, Oleander and Milkweed Aphid. Eagle Pass (Maverick), 7 May 1924 on an ornamental vine (Mason det).

Aphis nyctalis Hottes and Frison. Novice (county ?), 25 Apr 1915 on Senecio ampulaceus (Tissot det).

Aphis oestlundi Gillette. College Station (Brazos), 28 Mar, 10 May 1916 on Ocnothera sp. (Tissot det).

Aphis spiraeae Patch, Spiraea Aphid. Weslaco (Hidalgo), 15 Jan, Sep 1929 on orange (Patch det); 10 Apr 1934 on Bignonia sp., Pittosporum sp. and Jasminum humile (Clark coll—Tissot det). Brownsville (Cameron), 14 Feb 1941 on Abutilon hypolellum (Mason det).

Brachycetus tritici Gillette, Western Wheat Aphid. San Antonio (Bexar), 10 May 1922 on oats (Baker det).


Capitophorus elaeagni (del Guercio), Oleaster Thistle Aphid. Austin (Travis), 19 May 1916 on Carduus sp. (Tissot det). Alta Loma (Galveston), 24 Apr 1942 on globe artichoke, Cynara scolymus (Mason det).

Chaitophorus salicicola Essig. Brownsville (Cameron), 25 Feb 1942 on Salix sp. (Mason det).
Chaitophorus viminalis Monell, Little Black and Green Willow Leaf Aphid. College Station (Brazos), 25 Apr, 9 May 1916 on Salix sp. (Tissot det).

Cinaria tujafilina (del Guercio), Arborvitae Aphid. Lubbock (Lubbock), 29 Feb 1932 (Mason det). Sonora (Sutton), 16 Mar 1932 (Babeock det). Merced (Hidalgo), 10 Mar 1934 (Clark det). All records from arborvitae.

Colopha ulnicola (Fitch), Elm Cockscamb-gall Aphid. Kaufman County, 5 Mar 1940 on elm (Gaines & Siddall det).


? Dactynotus rudbeckiae (Fitch). Coneflower or Golden Glow Aphid. Brownsville (Cameron), 4 May 1908 on Helianthus sp. (Sanborn det). College Station (Brazos), 3 June 1915 on Eupatorium perfoliatum (Tissot det).

Most of the above determinations of Dactynotus species were made many years ago. Recent work on this genus by Dr. A. T. Olive would indicate that at least some of the species may not be named correctly.


Drepanosiphum platanoides (Schranck), Sycamore Aphid. Terrell (Kaufmann), 15 Mar 1941 on sycamore (Fletcher det).

? Erismosoma crataegii (Oestlund). College Station (Brazos), 1906 on Crataegus sp. (Tissot det with query).


Hyalaphis pseudobrassicatae (Davis), Turnip Aphid. Early records of this aphid include College Station (Brazos), 28 Nov 1913 on cabbage; 15 May 1914 on turnip and 16 Oct 1916 on turnip and cabbage (all Tissot det). Records are available for about 100 collections from cabbage, cauliflower, collards, mustard, radish, rutabaga and turnip from 1921 to 1942. Collections were made in the following counties: Brassoria, Brazos, Cameron, Cherokee, Ft. Bend, Galveston, Harris, Henderson, Hidalgo and Wichita.

Hyalopterus atripecis (Linnaeus) Boat Gall Aphid. College Station (Brazos), 18 Apr 1914 on Chenopodium sp. (Tissot det). Stockdale (Wilson), 16 May 1934 on Chenopodium sp. (MDLeonard coll—Tissot det). Elkhart (Anderson), 1939 on Chenopodium berlandieri (Hightower det).

Hyalopterus pruni (Geoffroy), Mealy Plum Aphid. Weslaco (Hidalgo), 21 June 1950 on giant reed, Arundo donax (Riherd coll—Tissot det).

Hysteroneura setariae (Thomas), Rusty Plum Aphid. During the period 1904-1957 some 23 collections were made on plum in the following counties:
Bee, Bell, Brazos, Burleson, Edwards, Ellis, Ft. Bend, Galveston, Hill, Houston, Jefferson, Johnson, Lavaca, Live Oak, Mason, Rockwell, Smith, Val Verde and Wood. (Several collectors and determiners were involved).

Longistigma sanborni (Gillette), Chrysanthemum Aphid. College Station (Brazos), 2 May 1914 and DeLeon (Eastland), 2 Nov 1914 on Chrysanthemum sp. (Tissot det).

Macrosiphum avenae (Fabricius), English Grain Aphid. College Station (Brazos), 1 Jan 1914 on wheat (A&M). Gainesville (Cooke), 31 Jan 1924 on oats (Mason det). San Antonio (Bexar), no plant listed (Oman det).

Macrosiphum euphorbiæ (Thomae), Potato Aphid. College Station (Brazos), 16 Apr 1941 on milkweed (A&M); 23 May 1914 on cotton (Tissot det). Presidio (Presidio), 2 June 1941 on cotton (Mason det).

Macrosiphum gaurae Williams. Brownsville (Cameron), 28 Apr 1941 on Gaura sp. (Mason det).

Macrosiphum rosæ (Linnaeus), Rose Aphid. El Paso (El Paso), 14 Apr 1932 on rose (Sanders det). Liberty (Liberty), 7 Mar 1939 on rose (Fletcher det).

Monellia carvæ (Monell), American Walnut Aphid. College Station (Brazos), 19 May 1906 on walnut (Tissot det).

Monellia carvælla (Fitch). Brownwood (Brown), 21 June 1925 on pecan (Mason det).

Monellia nigropunctata Granovsky. College Station (Brazos), 19 May 1906 on walnut (Tissot det).

Myzocallis discolor (Monell). Brackettville (Kinney), 18 Feb 1957 on live oak (Turney det).

Myzocallis punctata (Monell). Seagoville (Dallas), 20 Apr 1956 on post oak (Russell det).

Myzus persicæ (Sulzer), Green Peach Aphid. This aphid unquestionably is distributed throughout the state. It is found on a great variety of hosts including most of the cultivated plants. Only a few records from some of the more unusual hosts are listed here. College Station (Brazos), 16 Apr 1916 on Callirrhoe involucrata (A&M). Houston (Harris), 26 Mar 1916 on Phacelia sp. (Tissot det). Austin (Travis), 28 Apr 1916 on Lepidium sp., 1 May 1916 on Antirrhinum sp., 3 May 1916 on Bougainvillea sp. and carnation (all A&M). San Antonio (Bexar), 3 Apr 1931 on corn (A&M). Brownsville (Cameron), 14 Feb 1941 on Abutilon hysterecum (Mason det) and 27 Mar 1942 on Malva sylvestris (Mason det). Gilmer (Upshar), 20 Mar 1951 on sweetpotato (Russell det). Brazos County, 22 Mar 1959 on Lamiium sp. (Hightower det).

Nasonova (Hyperomyzus) lactucæ (Linnaeus), Sawthistle Aphid. College Station (Brazos), 16 Apr 1914 on Sonchus sp. (Tissot det). Brownsville (Cameron), 25 Mar 1941 on Sonchus sp. (Mason det). Weslaco (Hidalgo), 11 Apr 1941 a “drift” on tomato (Rhoad coll—Tissot det).

Neosymphydus albasiphus (Davis). College Station (Brazos), 11 July 1904 on Quercus velutina (A&M); Nov 1904 on Q. texana and 15 June 1915 on Q. sp. (Tissot det).

Pemphigus longicornis Maxson. In the original description of this species Maxson (1928) gives College Station, Texas as the type locality. He states that specimens were collected by Chas. E. Sanborn on cottonwood 26 April 1906. A later record is Wolf City (Hunt), 1 May 1915 on poplar, cottonwood (A&M—Maxson det).


? Pemphigus nortonii Maxson. No locality given 1 May, 2 June 1904 on cottonwood (A&M det with query).

? Pemphigus populicaulis Fitch, Poplar Leaf-petiole Gall Aphid. College Station (Brazos), 10 May 1904 on cottonwood (A&M).

? Pemphigus populiramulorum Riley, Poplar Twig-gall Aphid. College Station (Brazos), 10 May 1904 on cottonwood (Maxson det with query).

Pemphigus populitransversa Riley, Poplar Leaf-stem Gall Aphid. College Station (Brazos), July 1907 on cottonwood, 9 Feb 1914 on turnip (Maxson det). Houston (Harris), 31 Mar 1910 on artichoke (Maxson det). Alta Loma (Galveston), between 1939 and 1941 several collections from cottonwood and the roots of cabbage, collards, mustard and turnip (Jones coll & det). Lolita (Jackson), 1 Aug 1935 on cottonwood (Thomas det). Experiment Station (Galveston), 1938 on roots of mustard and turnip (Roney det).

Pemphigus populivenae Fitch, Poplar-vein Gall Aphid. College Station (Brazos), 7 May 1940 no plant given (Maxson det).

Prociphilus fraxinifolii (Riley), Leaf-curl Ash Aphid. Del Rio (Val Verde), 1914 on ash (Tissot det).

Pterocomma flocculosa (Weed), Flocculent Willow Aphid. College Station (Brazos), 1 Nov 1906 on Salix nigra (Tissot det).

Pterocomma smithiae (Monell), Willow Grove Aphid or Black Willow Aphid. College Station (Brazos), 1 Dec 1904 on Salix nigra (A&M).


Rhopalosiphum maidis (Fitch), Corn Leaf Aphid. This species is distributed widely through the state and it probably occurs wherever graine and certain grasses are grown. Records are available from the following counties: Brazos, Cameron, Dallas, Dimmitt, Duval, Hidalgo, Kaufmann, Potter and Travis. The aphid was taken on barley, corn, johnsongrass, milo and sorghum by several collectors and specimens were determined by J.J.Davis and Tissot.

Rhopalosiphum nymphaeae (Linnaeus), Waterlily Aphid. Weslaco (Hidalgo), 27 Jan 1931 on waterlily (Patch det); 30 Jan 1933 on pondlily (MDL coll—Tissot det).

Rhopalosiphum sp. Prairie View (County ?), 8 Apr 1916 on *Jussiaea repens* (A&M).

*Schizaphis graminum* (Rondani), Greenbug. The earliest available Texas record of this aphid is College Station (Brazos), 17 Mar 1903. The species is widely distributed in the state and it often injures small grains. It has been reported from the following counties: Castro, Cooke, Dallas, Deaf Smith, Denton, Farmer, Franklin, Gillespie, Hale, Hardeman, Hidalgo, Kaufmann, Oldham, Refugio, Swisher, Taylor and Wichita. Specimens were taken on barley, oats, and wheat by various collectors and identifications were by Daniels, Mason, Riherd, Thomas and Tisot.

*Sipha flavata* (Forbes), Yellow Sugarcane Aphid. Howe (Grayson), 23 Nov 1922 on oats and johnsongrass (Sanborn det according to record in A&M but is too late for Sanborn). San Antonio (Bexar), 24 Feb 1923 on oats, johnsongrass and wheat (Baker det). Gainesville ( Cooke), 1923 no plant given (Oman det).

*Synthurodes betae* (Westwood). College Station (Brazos), 1 Aug 1904 on roots of *Amaranthus* sp. (A&M) as *Tribidaphis radieicola* Essig.

? *Stegophylla quercicola* Baker. College Station (Brazos), 1 Nov 1905 on *Quercus teaza* (1 slide in A&M det Tisot & Leonard in 1934 as this species but Dr. Clyde F. Smith writes in 1964 that it is not possible at present to determine what this species really is).

*Thecabinus populicordipulifolius* (Cowen), Folded Leaf Poplar Aphid. College Station (Brazos), 7 June 1915 on cottonwood (A&M). Wolf City (Hunt), 18 June 1915 on *Populus* sp. (A&M).

*Therinaphis richardi* (Börner), Sweetclover Aphid. Brazos County, 27 Apr 1956 on hubam clover (Russell det).

*Therinaphis trifolii* (Monell), Yellow Clover Aphid. Brazos County, 29 Apr 1955 no host given (Hightower det).


*Tridaphis radieicola* Essig see *Synthurodes betae* (Westwood).

*Tychea* sp. College Station (Brazos), 14 July 1904 no host given (A&M). The merit of this record is questionable as the status of *Tychea* is uncertain.

**List of Food Plants**

Food plant names came from various sources. A few are from published records, some from collection data notes, and others from aphid slide labels. It is impossible to confirm many of the plant identifications. Because of this uncertainty, plant name authors are omitted in the list. The authors wish to thank Dr. Stanwynn G. Shetler, Department of Botany, U. S. National Museum, who kindly clarified or verified several plant names.

*Abutilon hypoleucum* (Whiteleaf* Abutilon*)

*Aphis craccivora*  
*Aphis gossypii*  
*Myzus persicae*

*Amaranthus* sp.  
*Synthurodes betae*  
*Ambrosia* sp. (Ragwood)  
*Aphis craccivora*  
? *Dactynotus ambrosiae*
Andropogon scoparius (Bunchgrass)  
  Anocia querci
Antigonon sp. (Coralvine)  
  Aphid gossypii
Antirrhinum sp. (Snapdragon)  
  Myzus persicae
Arundo donax (Giant Reed)  
  Hyalopterus pruni
Asclepias sp. (Milkweed)  
  Macrostiphiun euphorbiaceae
Avena sativa (Common Oat)  
  Brachycorhus tritici
  Macrostraphium avenace
  Rhopaloilphum flitalii
  Schizaphis graminum
  Siphia flava
Bignonia sp.  
  Aphid spiraecola
Bougainvillea sp.  
  Myzus persicae
Brassica napobrassica (Rutabaga)  
  Hydaphis pseudobrassicae
Brassica oleracea var. acephala  
  (Collards)  
  Hydaphis pseudobrassicae
Brassica oleracea var. botrytis  
  (Cauliflower)  
  Hydaphis pseudobrassicae
Brassica oleracea var. capitata  
  (Cabbage)  
  Brevicoryne brassicae
  Hydaphis pseudobrassicae
  Myzus persicae
  Pemphigus populitansversus
Brassica rapa (Turnip)  
  Hydaphis pseudobrassicae
  Myzus persicae
  Pemphigus populitansversus
Brassica sp. (Mustard)  
  Hydaphis pseudobrassicae
  Pemphigus populitansversus
Calibrhine involucrata (Poppy-mallow)  
  Myzus persicae
Capsicum frutescens (Redpepper)  
  Myzus persicae
Cardus sp. (Thistle)  
  Capitophorus elaeagni
Carya illinoensis (Pecan)  
  Longistigma caryae
  Monellia caryae
Cephalanthus occidentalis  
  (Buttonbush)  
  Aphid cephalanthi
Chenopodium berlandieri  
  Hyalopterus atripplicis
Chenopodium sp. (Pigweed)  
  Hyalopterus atripplicis
Chrysanthemum sp.  
  Macrosiphoniella sanborni
Citrus vulgaris (Watermelon)  
  Aphid gossypii
Citrus paradisi (Grapefruit)  
  Toxoptera aurantii
Citrus sinensis (Orange)  
  Aphid gossypii
  Aphid spiraecola
  Toxoptera aurantii
Cornus sp. (Dogwood)  
  Anocia querci
Crataegus sp. (Hawthorn)  
  ? Eriosoma crataegi
Cucumis melo (Muskmeleon)  
  Aphid gossypii
Cucumis melo var. Cantaloupeensis  
  (Cantaloupe)  
  Aphid gossypii
Cucumis sativa (Cucumber)  
  Aphid gossypii
Cucurbita maxima (Squash)  
  Aphid gossypii
Cucurbita pepo (Pumpkin)  
  Aphid gossypii
Cynara scolymus (Globe Artichoke)  
  Capitophorus elaeagni
  Macrosiphum euphorbiace
  ? Pemphigus monophagus
  Pemphigus populitansversus
Dianthus caryophyllus (Carnation)  
  Myzus persicae
Eupatorium serratum  
  ? Dactynotus ambrosiae
  ? Dactynotus rudbeckiae
Fraxinus sp. (Ash)  
  Procephilus fraxinifolii
Gaura sp.  
  Macrosiphum gaure
Gossypium sp. (Cotton)  
  Aphid craccivora
  Aphid gossypii
Macrosiphum euphorbiae
_MYZUS PERSICAe
Helianthus sp. (Sunflower)
_APHIS GOSSEYII
_APHIS HELIANTHI
? DACTYNOTUS AMBROSIAE
? DACTYNOTUS HELIANTHICOLA
? DACTYNOTUS RUDBECKIAE
Hibiscus esculentus (Okra)
_APHIS GOSSEYII
Hibiscus mutabilis (Cottonrose Hibiscus)
_APHIS GOSSEYII
Hibiscus rosa-sinensis (Chinese Hibiscus)
_APHIS GOSSEYII
Hordeum vulgare (Barley)
_Rhopalosiphum maidis
_Schizaphis graminum
Ilex vomitoria (Younon)
_Toxoptera aurantii
Ipomoea batatas (Sweetpotato)
_MYZUS PERSICAe
Jasminum humile (Italian Jasmine)
_APHIS SPIRAECOLA
Juglans sp. (Walnut)
_Monellia caruae
_Monellia nigropunctata
Jasminum officinale (Creeping Waterprimrose)
_Rhopalosiphum sp.
Lactuca sativa (Garden Lettuce)
? DACTYNOTUS AMBROSIAE
_MYZUS PERSICAe
Lactuca sp. (Lettuce)
_Nasonovia (Hyperomyzus) lactucae
Lamium sp. (Deadnettle)
_MYZUS PERSICAe
Lepidium sp. (Pepperweed)
_MYZUS PERSICAe
Lycium sp. (Wolfberry)
_APHIS GOSSEYII
Lycopersicon esculentum (Tomato)
_MYZUS PERSICAe
Malus pumila (Common Apple)
_Eriosophini lanigerum
Malus sp. (Crabapple)
_Eriosophini lanigerum
Malva sylvestris (Highmallow)
_MYZUS PERSICAe
Malvastrum coromandelianum
(Trilobe Falsemallow)
_APHIS GOSSEYII
Medicago minima (Bulgloov)
_Acrythosiphon pisum
_APHIS CRUCIATOR
Melilotus alba var. annua
(Hubam Clover)
_Theroaphis riekeni
Nymphaea sp. (Waterlily)
_Rhopalosiphum nymphaeae
Oenothera sp. (Evening primrose)
_APHIS OESTLUNDII
Oryza sativa (Rice)
_Rhopalosiphum rufulabdominalis
Oxalis sp.
_APHIS GOSSEYII
Parthenium hysterophorus
(Ragweed Parthenium)
? DACTYNOTUS AMBROSIAE
Phacelia sp.
_APHIS SP.
_MYZUS PERSICAe
Phaseolus vulgaris (Bean)
_APHIS GOSSEYII
Pisum sativum var. arvense
(Field or English Pea)
_Acrythosiphon pisum
Pittosporum sp. (Pittosporum)
_APHIS SPIRAECOLA
Platanus sp. (Sycamore)
_Drepanosiphum platanoides
Populus deltoides (Cottonwood)
_Pemphigus longicornis
? Pemphigus nortoni
? Pemphigus populicicatuls
? Pemphigus ramulorum
_Pemphibus populitransversus
_Thecabius populicodundulipolius
Populus sp. (Poplar)
_Pemphigus longicornis
? Pemphigus nortoni
_Thecabius populicodundupolius
Portulaca oleracea (Purslane)
_APHIS FABAE
_APHIS GOSSEYII
Primula sp. (Primrose)
_APHIS GOSSEYII
Prunus sp. (Plum)
_Hysteroneura setariae
Pseudoabutilon lozani (False Abutilon)  
Dactynotus ambrosiae
Sorghum halepense (Sorghum halepense)  
Rhopalosiphum maidis  
Sipha flava
Sorghum vulgare (Sorghum vulgare)  
Rhopalosiphum maidis
Sorghum vulgare form (Milo)  
Rhopalosiphum maidis
Spinacia oleracea (Spinach)  
Aphis craccivora  
Aphis fahae
Thuja sp. (Arborvitae)  
Cinara tujaflava
Trifolium sp. (Clover)  
Aphis craccivora
Triticum aestivum (Wheat)  
Macrosiphum avenae  
Rhopalosiphum fittedi  
Schizaphis graminum  
Sipha flava
Ulmus sp. (Elm)  
Colopha ulmicola  
Eriosoma lanigerum
Verbena sp.  
Aphis gossypii
Vicia americana var. oregona  
(Oregon American Vetch)  
Acythosiphon pisum
Vicia atropurpurea (Purple Vetch)  
Acythosiphon pisum
Vicia villosa (Hairy Vetch)  
Acythosiphon pisum
Vitis sp. (Grape)  
Aphis illinoisensis
Xanthium sp. (Cocklebur)  
Dactynotus ambrosiae
Zea mays (Corn)  
Myzus persicae  
Rhopalosiphum maidis

LITERATURE CITED


