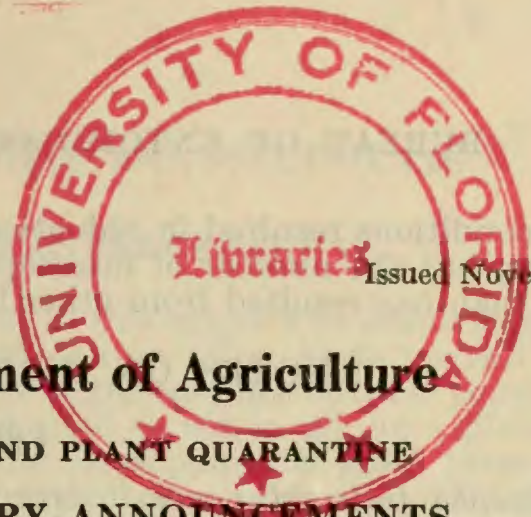


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Bur. Ent. & P. Q.



# United States Department of Agriculture

BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE

SERVICE AND REGULATORY ANNOUNCEMENTS

## LIST OF INTERCEPTED PLANT PESTS, 1941

(List of Pests Recorded During the Period July 1, 1940, to June 30, 1941, Inclusive, as Intercepted in, on, or with Plants and Plant Products Entering United States Territory.)

### INTRODUCTION

This report covers the twenty-eighth year for which records of interceptions have been issued. The data in the main detailed table are arranged under alphabetical lists of the pests and pathogens, as was done last year for the first time, but three columns headed "Consumption," "Nonentry," and "Propagation" have been substituted for the five columns headed "Cargo," "Mail," "Baggage," "Quarters," and "Stores." Items in the "Consumption" column include pests and pathogens found in, on, or with material offered for entry for consumption, as food or feed, and for use in manufacturing or processing, as well as packing for these and other materials, whether or not their entry was permitted. Since such materials are often so distributed or so handled as to enable accompanying pests to become established, items in this column may represent considerable risk. Items in the "Nonentry" column include organisms found associated with non-entry material, e. g., in stores and quarters, or en route to other countries. Such findings usually represent a relatively smaller risk, as temporary safeguarding is all that is necessary, although flying insects, air-borne pathogens, and garbage may require prompt attention to eliminate danger. Items in the "Propagation" column include some of the insects, pathogens, and related or associated forms of interest found in, on, or with plant material offered for entry for propagation purposes and believed to be associated with that material. Insects and diseases found in, on, or with the packing materials and clearly not associated with the propagation material would be listed in the "Consumption" column, if listed at all. While the quantity of material offered for entry for propagation is relatively small, interceptions on such material are important because if the parasites were allowed to go forward they would be likely to become established and distributed with their hosts. Thus the three new groups have been adopted as giving a more accurate reflection of the relative pest risk represented by the items listed therein than did the five groups used heretofore.

It may be noted that a considerable proportion of the pests listed in the detailed table were found in, on, or with material for propagation in spite of the relatively small volume of such material. Among the factors contributing to this result are the more intensive inspection of such of this material as is entered in limited quantities under special permit, the fact that some of this material represents types not previously imported in such volume or over a long enough period of time to insure establishment of their pests, and the further fact that much of it comes directly or indirectly from relatively new or unusual points of origin.

While many of the plant materials entered in large quantities carry few new pests, there are, from time to time, initial shipments of new products as well as of old products from new areas. Then, too, faster transportation and refrigeration aid additional pests from various parts of the world in gaining a foothold in areas from which we have imported for many years. Many of our relatively common pests and diseases vary considerably on different hosts and under different environmental conditions. New foreign insects and, especially, new foreign plant diseases may so closely resemble variants of species already established here that extreme care is required to detect them. Any insect or disease record which has not been published sufficiently often to establish it as a more or less regular finding may be included in the detailed table as a matter of interest.

War conditions resulted in reduction or elimination of interceptions from some countries, but the number of interceptions listed in the detailed table shows less change than has resulted from other factors in times past.

## NOTES ON INSECTS INTERCEPTED

### FRUITFLIES

*Anastrepha fraterculus* was intercepted at Boston in grapefruit in stores from Argentina and Trinidad. The Mexican fruitfly (*Anastrepha ludens*) was intercepted 173 times in 9 different hosts in baggage, quarters, and stores from Mexico. *A. mombinpraeoptans* was taken 35 times in 3 different hosts in baggage, mail, quarters, and stores from 7 countries. The dark fruitfly (*A. serpentina*) was taken 13 times in 4 hosts in baggage, mail, and quarters from Colombia, Mexico, and Trinidad. *A. suspensa* (larva) was intercepted in grapefruit and guava in baggage and stores from Cuba, Haiti, and Puerto Rico and (puparium) in bag of guavas and genips in baggage from Puerto Rico. The Mediterranean fruitfly (*Ceratitis capitata*) was intercepted 10 times in 8 different hosts in baggage and stores from 6 countries. The melon fly (*Dacus cucurbitae*) was taken at San Diego in string beans in quarters from Hawaii. The celery fly (*Philophylla heraclei*) was intercepted at New York in celery in stores from England. The apple maggot (*Rhagoletis pomonella*) was intercepted 4 times at Laredo in red haw and apple in baggage from Mexico. The papaya fruitfly (*Toxotrypana curvicauda*) was taken only once during the year, in papaya in baggage from Mexico.

### INSECTS OTHER THAN FRUITFLIES

In addition to the usual insects of major importance, such as the pink bollworm (*Pectinophora gossypiella*), the West Indian sweetpotato weevil (*Euscepes postfasciatus*), the Asiatic rice borer (*Chilo simplex*), the East Indian bean pod borer (*Maruca testulalis*), the yam weevil (*Palaeopsis costicollis*), the citrus blackfly (*Aleurocanthus woglumi*), and the turnip gall weevil (*Ceutorhynchus pleurostigma*), many of the insects in the detailed table have been intercepted for the first time, or for the first time on the host indicated, or for the first time from the country indicated, or are of special interest for some other reason. References to "first record" in these notes refer to our interception records only. The insects fall in different groups, cover a wide host range, and come from many parts of the world, e. g., *Aonidiella comperei* (Coccidae) (first record on grape and first record from Haiti), *Xanthophthalma concinnum* (Coccidae) (first record for files), *Bruchidius incarnatus* (Bruchidae) (first record in broadbean and reported as seriously injurious to broadbeans in Egypt), *Eurytoma pistaciae* (Eurytomidae) (first record for files), *Euxesta annonae* (Otitidae) (first record in corn, also first record from Cuba and Bahamas), *Limothrips denticornis* (Thripidae) (first record on *Helleborus niger*), and *Mordellistena chapini* (Mordellidae) (first record from Peru).

## NOTES ON PLANT DISEASES INTERCEPTED

The data regarding completely determined pathogens included in the main table are readily found. However, attention is called to the fact that citrus canker (*Bacterium citri*) was intercepted on several hosts and from several countries, the sweet orange scab (*Elsinoe australis*) continued to be found occasionally in citrus from South America, and that citrus black spot (*Phoma citricarpa*), long known in the orient, is now established in South Africa and was found on citrus fruit from there. Lima bean scab (*Elsinoe phaseoli*), which is so common on shipments from Cuba that it is listed among the common diseases, continued to be found more or less frequently. *Helminthosporium allii*, which occurs as dark mycelium and spores, especially on garlic from Mexico, is another pathogen which has been found so often that it is listed as a common disease. A fungus new to our interception lists is *Dendrodochium lycopersici*, heretofore known from Belgium, found on tomatoes from Mexico. One or more of the oriental strains of the lespedeza rust (*Uromyces lespedezae-procumbentis*) was intercepted again with seed from Japan. The so-called Dutch elm disease (*Ceratostomella ulmi*) was found again on several lots of elm crating from England. A new disease tentatively determined as caused by *Sclerotinia kernerii*, a fir pathogen described from Austria and not known to occur in North America, was found on Christmas trees from Newfoundland and on greens from Nova Scotia. An examination of the list of fungi found on orchids shows that they continue to furnish a variety of new records.

## COMMON PESTS INTERCEPTED

Many pests and diseases known to occur in this country or found frequently on certain material offered for entry are recorded on tally sheets instead of on the more complete record forms. While many of the findings of these common forms never get recorded at all, enough are recorded to aid in giving a picture of the condition of material inspected, from the standpoint of pests present. It is recognized that foreign strains of some of these common pests and diseases might be destructive if established here, but inspectors would have no way of determining that point. In the following summary of these pest and disease records the numbers following the names of the organisms indicate the number of countries from which interceptions were made and the total number of records made during the year.

## INSECTS

Common insects intercepted 10 or more times, and recorded, included *Acanthoscelides obtectus* (5-114), *Ahasverus advena* (18-42), *Anthonomus eugeniae* (3-5,353), *Aonidiella aurantii* (8-19), *Aphis gossypii* (14-218), *Araecerus fasciculatus* (14-43), *Aspidiotus camelliae* (10-15), *A. cyanophylli* (8-18), *A. hederæ* (15-89), *A. lataniae* (19-177), *A. perniciosus* (5-31), *Brevicoryne brassicae* (7-151), *Carpocapsa pomonella* (8-211), *Cathartus quadricollis* (3-53), *Cerataphis lataniae* (9-95), *Chrysomphalus aonidum* (14-69), *C. dictyospermi* (12-59), *Coccus hesperidum* (17-80), *Diaspis boisduvalii* (21-437), *D. bromeliae* (4-466), *Ephestia cautella* (4-20), *Etiella zinckenella* (7-143), *Frankliniella williamsi* (1-166), *Gnorimoschema operculella* (13-168), *Heliothis armigera* (9-6,997), *H. virescens* (6-179), *Hippodamia convergens* (1-90), *Howardia biclavis* (8-37), *Laphygma frugiperda* (4-665), *Lasioderma serricorne* (8-30), *Lepidosaphes beckii* (29-162), *L. gloverii* (7-21), *Macrosiphum solanifolii* (5-230), *Myzus persicae* (9-396), *Necrobia rufipes* (7-31), *Oryzcephilus surinamensis* (7-89), *Parlatoria pergandii* (10-35), *P. proteus* (9-39), *Pinnaspis aspidistrae* (4-23), *P. minor* (5-127), *Plodia interpunctella* (8-90), *Pseudococcus adonidum* (9-17), *P. brevipes* (7-465), *P. citri* (12-54), *P. maritimus* (8-14), *Rhizoglyphus hyacinthi* (9-61), *Rhizopertha dominica* (3-69), *Rhopalosiphum pseudobrassicae* (3-95), *Saissetia hemisphaerica* (19-160), *S. nigra* (7-32), *S. oleae* (11-30), *Selenaspidus articulatus* (12-23), *Sitophilus oryza* (13-68), *Sitotroga cerealella* (6-24), *Tenebroides mauritanicus* (7-26), *Thrips tabaci* (13-291), *Tribolium castaneum* (12-39), *T. confusum* (2-28), and *Typhaea stercorea* (6-70).

In addition to the listed species of common insects, there were 5,100 interceptions belonging to 678 different species which were not deemed to be of sufficient importance from the plant-quarantine viewpoint to warrant listing them by species. Total of insects included in this paragraph, 24,044.

## DISEASES

Common plant diseases intercepted 10 or more times, and recorded, included *Actinomyces scabies* (32-203), *Albugo candida* (2-72), *Alternaria solani* (2-190), *A. tomato* (2-1,991), *Aplanobacter michiganense* (1-31), *Aspergillus niger* (27-383), *Bacillus carotovorus* (9-29), *Bacterium marginatum* (5-13), *B. phaseoli* (2-58), *B. punctilans* (1-199), *B. vesicatorium* (5-2,468), *Botrytis cinerea* (16-86), *B. tulipae* (1-16), *Capnodium citri* (8-13), *Cephalothecium roseum* (12-63), *Ceratostomella adiposum* (2-20), *C. fimbriata* (2-41), *C. paradoxa* (18-269), *Cercospora beticola* (3-774), *C. rosicola* (1-63), *Cladosporium cucumerinum* (1-13), *C. fulvum* (2-175), *Colletotrichum circinans* (3-256), *C. gloeosporioides* (13-668), *C. lindemuthianum* (10-148), *C. orchidearum* (5-30), *C. phomoides* (1-25), *Cylindrosporium chrysanthemi* (1-12), *Diaporthe phaseolorum* (1-11), *Diplocarpon rosae* (4-37), *Diplodia natalensis* (21-49), *Elsinoe fawcettii* (13-45), *E. phaseoli* (2-387), *Erysiphe graminis* (3-45), *E. polygoni* (2-62), *Fusarium moniliforme* (2-10), *Gloeosporium limetticum* (9-149), *G. musarum* (4-32), *Glomerella cingulata* (8-58), *Helminthosporium allii* (3-149), *H. sativum* (3-29), *Heterodera marioni* (15-17), *Mycosphaerella pinodes* (4-23), *Oospora lactis parasitica* (5-67), *Penicillium digitatum* (12-30), *P. italicum* (9-17), *Pestalozzia guepini* (4-15), *Phoma destructiva* (4-50), *Phomopsis citri* (21-138), *P. vexans* (5-427), *Phytophthora infestans* (6-80), *P. terrestris* (2-319), *Puccinia allii* (8-18), *P. chrysanthemi* (1-10), *P. graminis* (20-53), *P. porrii* (4-19), *P. rubigo-vera* (13-53), *P. tageticola* (1-23), *Pucciniopsis caricae* (3-55), *Pythium debaryanum* (1-24), *Rhizoctonia bataticola* (2-16), *R. solani* (18-706), *Rhizopus nigricans* (23-590), *Sclerotinia sclerotiorum* (8-17), *Sclerotium oryzae* (12-55), *S. rolfsii* (3-17), *Septoria apii* (7-10), *Sphaceloma perseae* (3-418), *Spondylocladium atrovirens* (15-52), *Uromyces phaseoli typica* (2-51), *Ustilago zaeae* (2-16), *Venturia inaequalis* (16-41), *V. pyrina* (3-19), and *Verticillium cinnabarina* (12-41).

In addition to the listed species of common diseases, there were 212 interceptions belonging to 83 different species which were intercepted less than 10 times each. Total of diseases included in this paragraph, 13,071.

### INCOMPLETELY DETERMINED PESTS

Many insects and pathogens are in such a condition that no accurate determination is possible. Others are new to science or belong in species not represented in the collections of authoritative material and are not described in sufficient detail to make positive determinations possible.

#### INSECTS

Among the incompletely determined insects were a number of fruitflies. *Anastrepha* sp., probably *fraterculus* (Wied.), was intercepted at Baltimore, Mobile, and New York in grapefruit, guava, mango, and orange in baggage, quarters, and stores from Argentina, Brazil, Trinidad, and Venezuela. *Anastrepha* sp., probably *ludens* (Lw.) was taken at Laredo in orange and corn in baggage from Mexico. *Anastrepha* sp., probably *mombinpraeoptans* Sein, was intercepted at New Orleans and New York in mango in baggage from Honduras and Puerto Rico. *Anastrepha* sp., probably *serpentina* (Wied.), was taken at Boston in grapefruit in stores from Argentina. *Anastrepha* sp. was intercepted at Boston, Brownsville, El Paso, Laredo, and New Orleans in grapefruit, guava, mango, sapote, and *Spondias mombin* in baggage and stores from Argentina, Canal Zone, Mexico, and Trinidad. *Ceratitis* sp. was taken at Boston and Philadelphia in grapefruit and orange in stores from the Union of South Africa. *Epochra* sp. was intercepted at El Paso in currant in baggage from Mexico. *Xanthaciura* sp. was intercepted at New York in *Ageratum* sp. in baggage from Jamaica. Four interceptions which could not be identified beyond family (Euribiidae) were made at Calexico, Calif., El Paso, Inspection House in Washington, D. C., and New Orleans in *Agaricus campestris*, *Elaeagnus* sp., and *Ribes* sp., and under box of fruit on deck of ship, from Cuba, Iran, and Mexico.

The following thrips could be identified to genus only: *Diceratothrips* sp. intercepted at Brownsville and Laredo on pineapple in cargo from Mexico; *Hoplandrothrips* sp. intercepted at Brownsville, Inspection House in Washington, D. C., Honolulu, and San Francisco on *Cattleya* spp., kapok, *Oncidium varicosum*, unnamed orchid, *Phalaenopsis leucorrhoda*, pineapple, *Prunus* sp., and *Vanda luzonica* in cargo and mail from Brazil, Canal Zone, Colombia, Japan, Mexico, and Philippines; *Isochaetothrips* sp. intercepted at Brownsville on Cape-jasmine in baggage and cargo from Mexico; *Karnyothrips* sp. intercepted at San Francisco on *Oncidium ornithorhynchum* in cargo from Guatemala; *Neurothrips* sp. intercepted at Brownsville on pineapple in cargo from Mexico.

The following whiteflies could be identified to genus only: *Aleurocanthus* sp. intercepted at New Orleans on dry leaves in mail from British Honduras; *Aleurodicus* sp. intercepted at Brownsville on orchid in baggage from Mexico; *Aleuroparadoxus* sp. intercepted at Inspection House in Washington, D. C., on *Eugenia cauliflora* in cargo from Brazil; *Aleurothrixus* sp. intercepted at Brownsville on Cape-jasmine in baggage from Guatemala; *Aleurotrachelus* sp. intercepted at Hoboken, New York, and San Francisco on bromeliad, *Laurus nobilis*, orchid, and *Tillandsia* sp. in cargo, mail, and stores from Brazil, Costa Rica, and Guatemala; *Tetralicia* sp. intercepted at Nogales on oak leaf in baggage from Mexico.

In addition to the foregoing incompletely identified insects, the following miscellaneous insects were intercepted: *Ambia* sp., probably *fulvitinctatis* Hamps. (Pyraustidae), was intercepted at Brownsville in an airplane from Guatemala. *Apsilocephala* sp. (Therevidae) (new to the Museum collection) was intercepted at El Paso in mustard in cargo from Mexico. *Aspidobothrys* sp. (Miridae) was intercepted at Hoboken and San Francisco on *Cattleya mossiae*, *Cattleya* sp., and unnamed orchid in cargo from Colombia and Venezuela. *Autographa* sp., probably *brassicae* Riley, was taken at Brownsville in string bean in baggage from Mexico. *Aximogaster* sp. (Eurytomidae) was intercepted at Hoboken on orchid in cargo from Colombia and Venezuela. *Bruchus* sp., probably *flexicaulis* (Schaeffer) (Bruchidae), was intercepted at Brownsville in ebony bean in baggage from Mexico. *Bruchus* sp., probably *guttalis* Rey. (Bruchidae), was taken at New Orleans and New York in vetch seed in cargo from Brazil and Portugal. *Bythoscopus* sp., probably *rufoscutellatus* (Baker) (Cicadellidae), was intercepted at Laredo on feverfew in baggage from Mexico. *Calendra* sp., perhaps *phoeniciensis* Chtt. (Curculionidae), was intercepted at El Paso in radish in cargo from Mexico.

*Ceutorhynchus* sp., probably *quadridens* Panz. (Curculionidae), was taken at New York in cabbage in stores from England. *Chilo* sp. (Crambidae) was intercepted at Calexico, Calif., on lemon grass and sugarcane in baggage from Mexico. *Conotrachelus* sp., near *similis* Boh. (Curculionidae), was intercepted at Portland, Oreg., in sapote in quarters from Cuba. The termite *Coptotermes* sp. was taken at Portland, Oreg., in taro in cargo from China. *Curculio* sp., probably *elephas* (Gyll.) (Curculionidae), was intercepted at Philadelphia in chestnut in stores from Spain. *Cylas* sp., probably *femoralis* Faust (Curculionidae), was taken in sweetpotato at Baltimore in stores from Gold Coast, Africa. *Cylindrocopturus* sp., near *adpersus* (Lec.) (Curculionidae), was intercepted at Brownsville in *Agave* sp. in baggage from Mexico. *Gonatas* sp. (Lygaeidae) was taken at Hoboken with *Cattleya* sp. in cargo from Venezuela. *Heliodines* sp., probably *bella* (Chamb.) (Heliodinidae), was intercepted at El Paso and Nogales in pepper, purslane, and Swiss chard in baggage from Mexico. *Homoeosoma* sp., probably *electellum* (Hlst.) (Phycitidae), was intercepted at Brownsville on chrysanthemum in cargo from Mexico. *Marmara* sp. (Gracilariidae) was intercepted at Brownsville, Hidalgo, New York, and Nogales in avocado, grapefruit, orange, and pepper in baggage, cargo, and stores from Mexico and Trinidad. *Merodon* sp. (Syrphidae) was taken at Hoboken and San Francisco in *Gladiolus* sp. and narcissus bulb in baggage and mail from Canada and Turkey. *Neodryocetes* sp. (Scolytidae) was intercepted at New York in *Erythrina* sp. seed in cargo from Trinidad. *Neolecanium* sp. (Coccidae) was intercepted at Laredo on *Cereus* sp. in cargo from Mexico. *Neopithophthorus* sp. (Scolytidae) was taken at New York in wood in cargo from Mexico. *Scolytus* sp. (Scolytidae) was intercepted at New York in elm in cargo from England. *Tinea* sp. (Tineidae) was intercepted at New York on mushroom in cargo from China.

In addition to the incompletely determined insects listed above, there were 6,275 interceptions which could be identified to genus only. These were distributed among 714 genera. A total of 198 could be determined to family, subfamily, or tribe only. Total of insects included in this paragraph, 6,773.

#### DISEASES

Of the partially determined plant disease interceptions which were recognized to be unusual more than half (mostly on orchids) were found on material offered for entry for propagation. Those on orchids included *Collectotrichum* sp., with spores too narrow for *C. orchidearum* All., on *Odontoglossum* hybrids from England; *Coniothyrium* sp., with spores larger than in any species reported on orchids, on *Epidendrum aurantiacum* from Guatemala; *Gloeosporium* sp., with spores longer than those of *G. cyripedii* Verpl. (the only species reported for the host genus), on *Cyripedium callosum* from Thailand; *Gloeosporium* sp., no species recorded on the host genus, on *Trichopilia tortilis* from Guatemala; *Microthyrium* sp., no previous reports found for orchids, on *Epidendrum* sp. from Mexico; *Mycogone* sp., no species reported on orchids, on *Cattleya* sp. from Brazil; *Phyllosticta* sp., unlike any species described on orchids, on *Cattleya* sp. from Brazil, *Cyripedium* sp. from England, *Dendrobium phalaenopsis* from the Philippines, and *Schomburgkia humboldtii* from Venezuela; *Scolecopeltidium* sp., or a related form in this imperfectly known group of fly-speck fungi, on orchids from Brazil; and *Uredo* sp. (no rust has been reported for the host genus) on *Miltonia vexilans* from Mexico.

Other partly determined pathogens on material for propagation included *Glomerella* sp. (no species reported on host genus) on *Stenospermation sessile* (a climber of the arum family) from Guatemala; *Phyllosticta* sp., unlike any described species, found on ash (*Fraxinus ornus*) seed from Italy; *Pratylenchus* n. sp., a new nematode, found in a *Lilium longiflorum* bulb from Cuba; and *Pestalozzia* sp. (no species found reported on the genus) on *Marica coerulea grandiflora* (an iris relative) from Costa Rica.

While material entered for consumption does not represent such acute danger as propagation material, there is often a possibility that such material may be so handled as to permit escape and establishment of accompanying pests and diseases. Among the partially determined fungi found on material in the consumption entry class were *Cercospora* sp., possibly the same one found on this host in Florida, on avocados from Mexico; *Cercospora* sp. on husk tomato from Mexico; *Gloeosporium* sp., no species described for host genus, on cattails used to pack fish from Mexico; *Sphaeropsis* sp., closely resembling the apple black rot pathogen (*S. malorum*), on a pine cone from Mexico; *Sphaeropsis* sp., so determined although it did not have the characters of the genus, on *Citrus medica* from Palestine; *Ophiobolus* sp., not *O. graminis*, on grass from Liberia; *Rosellinia* sp. on wild grass

from Mexico; *Phoma* sp., a doubtful determination, on *Passiflora edulis* in air baggage from the Azores; *Puccinia* sp., unlike rusts reported for the host, on *Phragmites communis* from Mexico; *Phyllosticta* sp., spores apparently too small for *P. lagerstroemiae*, on crapemyrtle from Mexico; *Phyllosticta* sp., no species reported on host, on *Lawsonia inermis* (henna) from Anglo-Egyptian Sudan; and *Ceratophorum* sp., unlike *C. setosum* which causes a leaf disease of legumes, on *Erythroxylon coca* (cocaine tree) in several shipments from Peru.

A total of 6,564 partially determined pathogens from inspected materials were recorded during the year. These pathogens represented 113 genera.

#### ENTOMOGENOUS FUNGI

Collections of entomogenous fungi reported during the year included *Acrostoglagmus albus* on aphids on a radish in stores from Puerto Rico; *Aschersonia* sp. on unnamed host on a citrus leaf from Puerto Rico; *Cephalosporium lecanii* Zimm. on *Coccus acuminatus* on Cape-jasmine from Canal Zone and Cuba and on gardenia from Costa Rica and Panama, on *Coccus viridis* on Cape-jasmine from Cuba (13) and Venezuela and on gardenia from Cuba (2), and on *Protopulvinaria pyriformis* on gardenia from Costa Rica; *Myriangium duriaei* Mont. & Berk. on *Lepidosaphes beckii* on citrus from Bahamas and Dominican Republic; and *Nectria diploa* on *Lepidosaphes beckii* on grapefruit from Bahamas, Cuba (2), Honduras (2) and Puerto Rico, on orange from Bahamas and Cuba (2), on sweet lemon from Cuba, on lime from Puerto Rico, and on citrus leaf from Cuba; on *L. gloverii* on citrus leaf from Cuba; on *Selenaspidus articulatus* on grapefruit from Honduras and Puerto Rico.

#### Geographic summary of interceptions listed in main table and interception totals

Country	Insects	Diseases	Country	Insects	Diseases
<b>Africa:</b>	<i>Number</i>	<i>Number</i>	<b>Europe—Continued.</b>	<i>Number</i>	<i>Number</i>
Africa.....	0	1	Turkey.....	0	1
Angola.....	1	0	Yugoslavia.....	0	1
British East Africa.....	1	0	<b>North America:</b>		
Canary Islands.....	1	0	Bermuda.....	3	4
Egypt.....	1	0	Canada.....	16	5
Ethiopia.....	1	0	British Columbia.....	1	1
Gold Coast.....	1	0	Nova Scotia.....	0	1
Kenya.....	0	2	<b>Central America:</b>		
Medeira Islands.....	1	1	British Honduras.....	1	0
Union of South Africa.....	6	7	Canal Zone.....	27	4
<b>Asia:</b>			Costa Rica.....	16	38
China.....	47	8	Guatemala.....	67	14
Chosen.....	2	0	Honduras.....	21	2
French Indo-China.....	2	0	Panama.....	7	1
India.....	9	2	Greenland.....	0	1
Iran.....	14	0	Mexico.....	8,622	498
Japan.....	137	42	Newfoundland.....	0	3
Malaya (British).....	1	0	West Indies.....	1	0
Palestine.....	1	0	American Virgin Is-		
Straits Settlements.....	2	0	lands.....	6	0
Thailand.....	10	4	Bahamas.....	35	2
<b>Australasia:</b>			Barbados.....	3	0
Australia.....	9	6	Cuba.....	399	74
Dutch East Indies.....	5	1	Dominica.....	1	0
Fiji Islands.....	1	0	Dominican Republic.....	7	0
Hawaii.....	60	1	Guadeloupe.....	1	1
Java.....	12	2	Haiti.....	14	25
New Zealand.....	0	1	Jamaica.....	19	18
Philippines.....	41	10	Martinique.....	0	1
Queensland.....	1	0	Puerto Rico.....	60	5
Sumatra.....	1	0	St. Lucia.....	1	0
<b>Europe:</b>			St. Vincent.....	2	0
Azores.....	7	3	Tahiti.....	2	0
Belgium.....	1	0	Trinidad.....	21	2
England.....	77	38	Virgin Islands.....	4	1
Europe.....	2	0	<b>South America:</b>		
France.....	6	3	Argentina.....	18	8
Greece.....	4	0	Brazil.....	72	12
Hungary.....	1	1	Chile.....	5	4
Ireland.....	1	2	Colombia.....	60	3
Italy.....	7	0	Dutch Guiana.....	0	1
Netherlands.....	1	0	Ecuador.....	6	0
Portugal.....	38	5	Peru.....	15	3
Rumania.....	4	0	Uruguay.....	1	1
Scotland.....	4	0	Venezuela.....	63	5
Spain.....	2	4	Unknown.....	0	1
Switzerland.....	1	0			

Geographic summary of interceptions listed in main table and interception totals—  
Continued

Country	Insects	Diseases	Country	Insects	Diseases
Total:	<i>Number</i>	<i>Number</i>	Total—Continued.		
Africa.....	13	11	Total (common pests, p. 3).....	<i>Number</i> 24,044	<i>Number</i> 13,071
Asia.....	225	56	Total (incompletely determined pests, p. 4).....	6,773	6,564
Australasia.....	130	21	Entomogenous fungi.....		30
Europe.....	156	58	Total insects.....	40,938	
North America.....	9,357	701	Total diseases.....		20,550
South America.....	240	37	Grand total.....		61,488
Unknown origin.....	0	1			
Total.....	10,121	885			

NOTE.—In addition to the countries named above, interceptions including those of common pests (p. 3) and of incompletely determined pests (p. 4) were made from Afghanistan, Anglo-Egyptain Sudan, Arabia, Batavia, Bolivia, British Guiana, British West Indies, Cape Verde Islands, Cook Islands, East Indies, Guernsey, Kahatola Islet (near Philippines), Liberia, Manchuria, Midway, Mozambique, Nevis, Nigeria, St. Kitts, Salvador, Sierra Leone, Surinam, Tonga Island, Transvaal, and Wales.

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive

[All findings marked with an asterisk indicate State inspection]

Insect and host	Country of origin	Number of inter- ceptions in—			Collected in—
		Con- sump- tion	Non- entry	Prop- aga- tion	
<i>Acanthoderes circumflexa</i> Jac. Duv. (Cerambycidae):					
<i>Tabebuia donnell-smithii</i> (privamera).....	Guatemala.....	4			N. Y.
<i>Acanthoscelides armitagei</i> (Pic.) (Bruchidae):					
<i>Cajanus indicus</i> (pigeonpea).....	Venezuela.....			1	D. C.
<i>Acanthoscelides dominicanus</i> (Jekel) (Bruchidae):					
<i>Caesalpinia coriaria</i> (divi-divi).....	Colombia.....	1			Mass.
<i>Acanthoscelides flexicaulis</i> (Schaeffer) (Bruchidae):					
<i>Pithecollobium flexicaule</i> (ebony bean).	Mexico.....	1			Tex.
<i>Acanthoscelides sallaei</i> (Sharp) (Bruchidae):					
<i>Acacia farnesiana</i> .....	do.....	1			Tex.
<i>Acroleucus tullus</i> (Stal) (Lygaeidae):					
<i>Gardenia florida</i> (Cape-jasmine).....	do.....	1			Tex.
<i>Acroleucus vicinalis</i> Dist. (Lygaeidae):					
<i>Ananas sativus</i> (pineapple).....	do.....	1			Tex.
Orchid.....	do.....	1			Tex.
<i>Aeolus dorsalis</i> (Say) (Elateridae):					
<i>Allium cepa</i> (onion).....	do.....	1			Tex.
<i>Chrysanthemum</i> sp.....	do.....	1			Tex.
<i>Aganectesis indecora</i> Dyar (Galleriidae):					
<i>Cassia fistula</i> (golden-shower).....	Dominica, Panama.....	2			Mass., N. Y.
<i>Agromyza salicis</i> Malloch (Agromyzidae):					
<i>Salix</i> sp. (willow).....	Canada.....			1	N. J.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae):					
<i>Citrus aurantifolia</i> (lime).....	Cuba.....	1			Fla.*
<i>Citrus aurantium</i> (sour orange).....	Bahamas.....	1			Md.
<i>Aleuroplatus myricae</i> Q. & B. (?) (Aleyrodidae):					
<i>Pyrola</i> sp.....	Canada.....			1	Mass.
<i>Aleurothrixus howardi</i> (Quaint.) (Aleyrodidae):					
<i>Citrus limonia</i> (lemon).....	Cuba.....	1			Fla.*
<i>Aleyrodes spiraeoides</i> (Quaint.) (Aleyrodidae):					
<i>Linum</i> sp. (flax).....	Canada.....			1	Wash.
<i>Allocoris incognita</i> McA. & M. (Cydniidae):					
<i>Antirrhinum majus</i> (snapdragon).....	Mexico.....	1			Ariz.
<i>Rosa</i> sp.....	do.....	1			Ariz.
<i>Alpheias conspirata</i> Hein. (Galleriidae):					
<i>Ananas sativus</i> (pineapple).....	do.....	24			Tex.

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive—Con.

Insect and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Amorbia emigratella</i> Busck (Tortricidae):					
<i>Chrysanthemum</i> sp.	Mexico	1			Tex.
<i>Lycopersicum esculentum</i> (tomato)	do	1			Ariz.
<i>Amphicerus cornutus</i> (Pallas) (Bostrichidae):					
Cactus	do			1	Tex.
<i>Daucus carota</i> (carrot)	do	1			Tex.
<i>Ficus carica</i> (fig)	do	1			Tex.
Reed packing crate	do	2			Ariz.
<i>Sambucus</i> sp.	do	1			N. Y.
<i>Amphorophora rhododendri</i> (Wlsm.) (Aphiidae):					
<i>Rhododendron</i> sp.	Canada			2	Wash.
<i>Anacentrinus deplanatus</i> Csy. (Curculionidae):					
<i>Chrysanthemum</i> sp.	Mexico	2			Tex.
<i>Zinnia</i> sp.	do	1			Tex.
<i>Anaphothrips orchidaceous</i> Bagn. (Thripidae):					
<i>Cymbidium</i> sp. (orchid)	England			2	Calif.*
<i>Dendrobium</i> sp. (orchid)	do			1	N. J.
<i>Lycaste skinneri alba</i> (orchid)	Guatemala			1	N. J.
<i>Odontoglossum</i> sp. (orchid)	England			1	N. J.
Orchid	Venezuela	1			Tex.
<i>Anaphothrips orchidii</i> (Mlt.) (Thripidae):					
<i>Amaryllis</i> sp.	Madeira Islands			1	N. Y.
<i>Anastrepha fraterculus</i> (Wied.) (Euribiidae):					
<i>Citrus grandis</i> (grapefruit)	Argentina, Trinidad		2		Mass.
<i>Anastrepha ludens</i> (Lw.) (Euribiidae):					
<i>Amygdalus persica</i> (peach)	Mexico	2			Tex.
<i>Casimiroa edulis</i> (white sapote)	do	1			Tex.
<i>Citrus grandis</i> (grapefruit)	do	8	2		N. Y., Tex.
<i>Citrus limetta</i> (sweet lime)	do	6			Tex.
<i>Citrus sinensis</i> (orange)	do	114	11		Tex.
<i>Cydonia oblonga</i> (quince)	do	1			Tex.
<i>Malus sylvestris</i> (apple)	do	2			Tex.
<i>Mangifera indica</i> (mango)	do	15	1		Tex.
<i>Persea americana</i> (avocado)	do	10			Tex.
<i>Anastrepha mombinpraeoptans</i> Sein (Euribiidae):					
<i>Mangifera indica</i> (mango)	American Virgin Islands, Cuba, Dominican Republic, Haiti, Jamaica, Panama, Puerto Rico.	18	12		Fla.*, Md., N. Y., Pa., P. R., Tex., Va.
<i>Psidium guajava</i> (guava)	Puerto Rico	2			N. Y.
<i>Spondias cytherea</i> (golden-apple)	do	3			N. Y.
<i>Anastrepha serpentina</i> (Wied.) (Euribiidae):					
<i>Citrus grandis</i> (grapefruit)	Trinidad		7		Ala., La.
<i>Mammea americana</i> (mamey)	Mexico	2			Tex.
<i>Mangifera indica</i> (mango)	Colombia		3		Pa.
Sapote	Mexico	1			Tex.
<i>Anastrepha suspensa</i> (Lw.) (Euribiidae):					
<i>Citrus grandis</i> (grapefruit)	Haiti		2		N. Y.
<i>Psidium guajava</i> (guava)	Cuba, Puerto Rico	7			Fla.*, N. Y.
In bag of guavas and genips	Puerto Rico	1			N. Y.
<i>Anoplium truncatum</i> (Hald.) (Cerambycidae):					
<i>Prosopis</i> sp. (mesquite)	Mexico	1			Tex.
<i>Anthonomus scutellaris</i> Lec. (Curculionidae):					
<i>Prunus domestica</i> (plum)	do	1			Tex.
<i>Anthonomus varipes</i> Duval (Curculionidae):					
<i>Solanum melongena</i> (eggplant)	Cuba	3			N. Y.
<i>Antonina crawii</i> Ckll. (Coccidae):					
<i>Arundinaria</i> sp.	Japan			1	D. C.
<i>Bambusa tulda</i>	Puerto Rico			1	D. C.
<i>Indocalamus herklotsii</i>	China			1	D. C.
<i>Indocalamus nanunicus</i>	do			1	D. C.
<i>Sinobambusa laeta</i>	do			1	D. C.
<i>Sinobambusa tootsii</i>	do			1	D. C.
<i>Antonina indica</i> Green (Coccidae):					
<i>Digitaria</i> sp.	Philippines			1	Hawaii.*
<i>Antonina tobai</i> Kuw. (Coccidae):					
<i>Arundinaria hindsi</i> (ramrod bamboo)	China			1	D. C.



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		Consumption	Non-entry	Propagation	
<i>Anuraphis apiifolia</i> Theo. (Aphiidae): <i>Apium graveolens</i> (celery)	Portugal		1		N. Y.
<i>Anuraphis tulipae</i> (Fonsc.) (Aphiidae): <i>Tigridis</i> sp.	Metherlands			1	D. C.
<i>Tulipa</i> sp.	Canada, England			5	N. Y., Wash.
<i>Anypsisipyla uniritella</i> Dyar (Phycitidae): <i>Samanea saman</i> (rain-tree)	Ecuador			1	D. C.
<i>Aonidia lauri</i> (Bouche) (Coccidae): <i>Laurus nobilis</i> (Grecian laurel)	Greece, Italy	3	1		N. Y.
<i>Aonidiella comperei</i> McK. (Coccidae): <i>Vitis</i> sp. (grape)	Haiti			1	N. J.
<i>Aonidiella eugeniae</i> (Hempel) (Coccidae): <i>Eugenia cauliflora</i> (jaboticaba)	Brazil			1	D. C.
<i>Aonidiella inornata</i> McK. (Coccidae): <i>Cordyline terminalis</i> (dracena)	Hawaii	1			Calif.*
<i>Apatides fortis</i> (Lec.) (Bostrichidae): <i>Prosopis</i> sp. (mesquite)	Mexico	1			Tex.
<i>Aphalaroida inermis</i> Crawf. (Psyllidae): <i>Spinacia oleracea</i> (spinach)	do	1			Ariz.
<i>Aphis bambusae</i> Full. (Aphiidae): <i>Phyllostachys</i> sp.	China			1	D. C.
<i>Apion longirostre</i> Oliv. (Curculionidae): <i>Malva</i> sp.	Iran			3	D. C.
<i>Apion pomonae</i> (F.) (Curculionidae): <i>Vicia</i> sp. (vetch)	Argentina	1			Ala.
<i>Artipus floridanus</i> Horn (Curculionidae): <i>Medicago sativa</i> (alfalfa)	Bahamas	1			Fla.*
<i>Aspidiotus coryphae</i> Ckll. & Rob. (Coccidae): <i>Dendrobium schuetzei</i> (orchid)	Philippines			1	Hawaii.*
<i>Aspidiotus degeneratus</i> (Leon) (Coccidae): <i>Camellia japonica</i> (camellia)	Japan			3	D. C., Wash.
<i>Aspidiotus destructor</i> Sign. (Coccidae): <i>Amygdalus communis</i> (almond)	Bahamas	1			Fla.*
<i>Annona reticulata</i> (custard-apple)	Puerto Rico	1			N. Y.
<i>Annona</i> sp.	do	1			N. Y.
<i>Aucuba</i> sp.	Japan		1		Calif.*
<i>Carica papaya</i> (papaya)	Mexico	1			La.
<i>Cocos nucifera</i> (coconut)	Cuba, Fiji Islands	2			Fla., Hawaii.*
<i>Cymbidium</i> sp. (orchid)	England			2	N. J.
<i>Musa</i> sp. (banana)	Cuba	2			Fla.*
Palm	do	1			Fla.*
<i>Persea americana</i> (avocado)	do	2			Fla.*
<i>Roystonea regia</i> (royal palm)	do	1	1	1	Fla.*
<i>Terminalia catappa</i> (tropical almond)	do	2			Fla.*
<i>Aspidiotus diffinis</i> Newst. (Coccidae): <i>Spondias mombin</i> (jobo)	Mexico	1			Tex.
<i>Aspidiotus howardi</i> Ckll. (Coccidae): <i>Persea americana</i> (avocado)	do	1			Tex.
<i>Aspidiotus palmae</i> Ckll. (Coccidae): <i>Dendrobium</i> sp. (orchid)	Philippines			1	Calif.*
<i>Musa</i> sp. (banana)	Honduras	1			Fla.*
<i>Aspidiotus spinosus</i> Comst. (Coccidae): <i>Attalea cohune</i> (cohune palm)	do			1	D. C.
<i>Laurus nobilis</i> (Grecian laurel)	Brazil		1		N. Y.
<i>Mammea americana</i> (mamey)	Cuba	3	1		Fla.*
<i>Persea americana</i> (avocado)	do	1			Fla.*
<i>Roystonea regia</i> (royal palm)	Honduras			1	D. C.
<i>Aspidiotus tsugae</i> Marl. (Coccidae): <i>Tsuga</i> sp. (hemlock)	Japan		1		Wash.
<i>Asterolecanium aureum</i> (Bdv.) (Coccidae): <i>Cattleya dowiana</i> (orchid)	Canal Zone, Costa Rica			2	N. J.
<i>Cattleya</i> sp.	Brazil, Colombia, Costa Rica, Venezuela.			12	Calif., D. C., N. J.
<i>Epidendrum ciliare</i> (orchid)	Costa Rica			1	N. J.
<i>Epidendrum</i> sp.	Haiti			1	D. C.
<i>Oncidium kramerianum</i> (orchid)	Costa Rica			1	Calif.*
<i>Oncidium tigrinum</i>	Mexico			1	Calif.*
<i>Oncidium</i> sp.	Trinidad			1	Calif.*
Orchid	Brazil, Cuba, Venezuela			4	N. J.
<i>Trichopilia</i> sp. (orchid)	Costa Rica			1	N. J.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae): <i>Bambusa tulda</i>	Puerto Rico			1	D. C.
<i>Bambusa</i> sp.	Cuba	2			N. Y.

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<i>Asterolecanium bambusicola</i> Kuw. (Coccidae):					
<i>Bambusa</i> sp.	China			1	D. C.
<i>Asterol canium miliaris</i> (Bdv.) (Coccidae):					
<i>Bambusa</i> sp.	Cuba	1			N. Y.
<i>Asterolecanium miliaris longum</i> (Green) (Coccidae):					
Bamboo	Guatemala	1			Mass.
<i>Asterolecanium pustulans</i> (Ckll.) (Coccidae):					
<i>Chrysomphyllum cainito</i> (star-apple)	Bahamas		1		Fla.*
<i>Eugenia alba</i>	Hawaii			1	Calif.*
<i>Hibiscus</i> sp.	do			3	Calif.*
<i>Nerium oleander</i> (oleander)	Bahamas		1		Fla.*
<i>Theobroma cacao</i> (cacao)	Cuba	1			Fla.*
<i>Ataenius abditus</i> Horn (Scarabaeidae):					
<i>Zea mays</i> (corn)	Mexico	1			Ariz.
<i>Ataenius cribrithorax</i> Bts. (Scarabaeidae):					
Soil	Cuba	1			N. Y.
<i>Ataxia hubbardi</i> Fisher (Cerambycidae):					
Vegetables	Mexico	1			Tex.
<i>Atheus fuscipes</i> Champ. (Tingitidae):					
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Aufeius impressicollis</i> Stal (Coreidae):					
<i>Lycopersicum esculentum</i> (tomato)	do	1			Ariz.
<i>Aulacaspis mangiferae</i> Newst. (Coccidae):					
<i>Mangifera indica</i> (mango)	Trinidad	1	1		Mass., N. Y.
<i>Aulonium bidentatum</i> (F.) (Colydiidae):					
<i>Swietenia mahogani</i> (mahogany)	Honduras	2			N. Y.
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	1			N. Y.
<i>Baldulus elimatus</i> (Ball) (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Baldulus maidis</i> (DeL. & W.) (Cicadellidae):					
<i>Zea mays</i> (corn)	do	1			Tex.
<i>Barathra brassicae</i> (L.) (Phalaenidae):					
<i>Brassica oleracea capitata</i> (cabbage)	England		1		Pa.
<i>Brachyrhinus armadillo</i> Rossi (Curculionidae):					
<i>Fuchsia</i> sp.	Italy		1		N. Y.
<i>Brachyrhinus ovatus</i> L. (Curculionidae):					
<i>Dianthus</i> sp. (carnation)	Canada			1	Wash.
<i>Brachyrhinus rugosostriatus</i> Goeze (Curculionidae):					
Unidentified plant root	do			1	N. J.
<i>Brentus anchorago</i> L. (Brentidae):					
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	2			N. Y.
<i>Brentus mexicanus</i> Boh. (Brentidae):					
<i>Cedrus</i> sp. (cedar)	Honduras	1			N. Y.
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala, Mexico	9			La., N. Y.
<i>Brochymena sulcata</i> Van D. (Pentatomidae):					
<i>Beta vulgaris</i> (beet)	Mexico	1			Calif.
<i>Daucus carota</i> (carrot)	do	1			Calif.
<i>Brontes australis</i> Er. (Cucujidae):					
<i>Juglans</i> sp. (walnut)	Australia	1			Va.
<i>Bruchidius incarnatus</i> (Boh.) (Bruchidae):					
<i>Vicia faba</i> (fava bean)	Egypt		1		N. Y.
<i>Bruchidius versicolor</i> (Boh.) (Bruchidae):					
<i>Podalyria argentea</i>	Union of South Africa			1	Calif.*
<i>Bruchus affinis</i> Froh. (Bruchidae):					
<i>Lathyrus latifolius</i> (perennial pea)	England			1	Ill.
<i>Bruchus dentipes</i> (Baudi) (Bruchidae):					
<i>Vicia faba</i> (fava bean)	Iran			5	D. C.
<i>Bruchus dentipes ochraceosignatus</i> Heyden (Bruchidae):					
<i>Vicia hybrida</i> (vetch)	do			1	D. C.
<i>Bruchus hamatus</i> Miller (Bruchidae):					
Unidentified seed (forage plant)	do			1	D. C.
<i>Bruchus lentis</i> Froh. (Bruchidae):					
<i>Lens</i> sp.	do			2	D. C.
<i>Bruchus luteicornis</i> Ill. (Bruchidae):					
<i>Vicia</i> sp.	France	3			Ill., La.
<i>Bruchus ramicornis</i> Er. (Bruchidae):					
<i>Vigna sinensis</i> (cowpea)	Brazil			1	D. C.

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<i>Bruchus rufipes</i> Hbst. (Bruchidae): <i>Vicia</i> sp.-----	France, Greece, Rumania	3		3	N. J., N. Y., Wash.
<i>Bruchus tristiculus</i> Fahr. (Bruchidae): <i>Lathyrus odoratus</i> (sweet pea)-----	Portugal	1			La.
<i>Cacoscelis scriptipennis</i> Jac. (Chrysomelidae): Orchid-----	Mexico			1	Tex.
<i>Callidium rufipenne</i> Motsch. (Cerambycidae): <i>Lilium auratum</i> (goldband lily)-----	Japan			1	Calif.*
On packing case-----	do		1		Calif.*
<i>Callirhinus metallescens</i> Bl. (Scarabaeidae) In automobile-----	Mexico		1		Tex.
<i>Callosobruchus ademptus</i> (Sharp) (Bruchidae): <i>Pueraria thunbergiana</i> (kudzu)-----	Chosen, Japan	2		4	Ill., Md., N. Y., Wash.
<i>Callosobruchus analis</i> (F.) (Bruchidae): <i>Phaseolus aureus</i> (mung bean)-----	China		2		Ga.
<i>Phaseolus</i> sp. (string bean)-----	Japan		1		Wash.
<i>Vigna</i> sp.-----	Iran			1	D. C.
<i>Callosobruchus chinensis</i> (L.) (Bruchidae): Bean-----	Japan	2			Calif.*
<i>Cajanus indicus</i> (pigeon pea)-----	Puerto Rico	1			N. Y.
<i>Cicer arietinum</i> (chickpea)-----	India		1		N. Y.
<i>Phaseolus angularis</i> (adzuki)-----	China	1			N. Y.
<i>Phaseolus aureus</i> (mung bean)-----	Philippines		1		Ga.
<i>Phaseolus radiatus</i> -----	China	1			Wash.
<i>Callosobruchus maculatus</i> (F.) (Bruchidae): <i>Allium cepa</i> (onion)-----	Mexico	1			Ariz.
<i>Cicer arietinum</i> (chickpea)-----	do	2			N. Y., Tex.
<i>Phaseolus aureus</i> (mung bean)-----	Philippines		1		Ga.
<i>Vigna sinensis</i> (cowpea)-----	Brazil, Venezuela			2	D. C.
<i>Vigna</i> sp.-----	Iran			1	D. C.
<i>Calymmaderus oblongus</i> (Gorh.) (Anobiidae): <i>Cephalocereus senilis</i> (oldman cactus)-----	Mexico			1	N. J.
<i>Calymmus cucullatus</i> Pasc. (Tenebrionidae): <i>Cattleya</i> sp. (orchid)-----	Guatemala			1	N. J.
<i>Caryedon fuscus</i> (Goeze) (Bruchidae): <i>Tamarindus indica</i> (tamarind)-----	Hawaii	1			Calif.*
<i>Catorhintha guttula</i> (F.) (Coreidae): <i>Brassica rapa</i> (turnip)-----	Mexico	1			Tex.
<i>Caulophilus latinasus</i> (Say) (Curculionidae): <i>Cicer arietinum</i> (garbanzo)-----	do	1			Tex.
<i>Zingiber officinale</i> (ginger)-----	China	1			Ill.
<i>Caulotops agavis</i> Reut. (Miridae): <i>Beta vulgaris cicla</i> (Swiss chard)-----	Mexico	1			Tex.
<i>Celama sorghiella</i> (Riley) (Nolidae): <i>Zea mays</i> (corn)-----	do	1			Tex.
<i>Centrinaspis picumnus</i> Hbst. (Curculionidae): <i>Dahlia</i> sp.-----	do	1			Ariz.
<i>Ceratitis capitata</i> (Wied.) (Euribiidae): <i>Citrus nobilis deliciosa</i> (tangerine)-----	Portugal	2			N. Y.
<i>Citrus sinensis</i> (orange)-----	Brazil		1		La.
<i>Coffea</i> sp.-----	Hawaii		1		Calif.*
<i>Ficus carica</i> (fig)-----	Azores	1			N. Y.
<i>Malus sylvestris</i> (apple)-----	Portugal, Queensland		2		N. Y., Wash.
<i>Mangifera indica</i> (mango)-----	Hawaii	1			Calif.*
<i>Pyrus communis</i> (pear)-----	Canary Islands		1		Md.
<i>Vitis</i> sp. (grape)-----	Azores	1			N. Y.
<i>Ceratocapsus cubanus</i> Bergroth (Miridae): <i>Brassica chinensis</i> (white greens)-----	Cuba	1			N. Y.
<i>Ceratocapsus fuscusignatus</i> Kngt. (Miridae): <i>Zea mays</i> (corn)-----	Mexico	1			Tex.
<i>Ceratocapsus punctulatus</i> (Reut.) (Miridae): <i>Brassica rapa</i> (turnip)-----	do	1			Tex.
<i>Ceratopus bisignatus</i> Boh. (Curculionidae): <i>Musa</i> sp. (banana)-----	do	1			La.
<i>Ceroplastes ceriferus</i> (And.) (Coccidae): <i>Camellia sasanqua</i> (sasanqua tea)-----	Japan			1	Calif.*

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<i>Ceroplastes floridensis</i> Comst. (Coccidae):					
<i>Camellia japonica</i> (camellia)	Japan			1	Wash.
<i>Gardenia florida</i> (Cape-jasmine)	Mexico	1			Tex.
<i>Ceroplastes rubens</i> Mask. (Coccidae):					
<i>Alyria olivaeformis</i>	Hawaii	1			Calif.*
<i>Anthurium</i> sp.	do	1			Calif.*
<i>Camellia japonica</i> (camellia)	Japan			2	Wash.
<i>Cocos nucifera</i> (coconut)	Hawaii			1	Calif.*
<i>Magnolia salicifolia</i>	Japan			1	Wash.
<i>Ceroplastes rusci</i> (L.) (Coccidae)					
<i>Ficus carica</i> (fig)	Portugal	1			N. Y.
<i>Ceutorhynchus pleurostigma</i> Marsh. (Curculionidae):					
<i>Brassica campestris</i> (rutabaga)	England		1		Pa.
<i>Brassica rapa</i> (turnip)	do		4		Ga., Pa., Va., Tex.
<i>Chaetococcus bambusae</i> (Mask.) (Coccidae):					
<i>Bambusa pertariabilis</i>	China			1	D. C.
<i>Bambusa textilis</i>	do			1	D. C.
<i>Lingnania chungii</i>	do			1	D. C.
<i>Chaetopsis fulvifrons</i> Macq. (Otitidae):					
<i>Chrysanthemum</i> sp.	Mexico	1			Ariz.
<i>Chalcolpidius webbi</i> Lec. (Elateridae):					
<i>Salix</i> sp. (willow)	do			1	Tex.
<i>Chelinidea canyoni</i> Haml. (Coreidae):					
<i>Astrophytum</i> sp. (cactus)	do			1	Tex.
<i>Chelinidea vittiger aequoris</i> McA. (Coreidae):					
Cactus	do			1	Tex.
<i>Chermes nusslini</i> (Borner) (Aphiidae):					
<i>Abies</i> sp. (fir)	Canada	1			Wash.
<i>Chilo loftini</i> Dyar (Crambidae):					
<i>Saccharum officinarum</i> (sugarcane)	Mexico	1			Calif.
<i>Chilo simplex</i> (Butler) (Crambidae):					
<i>Oryza sativa</i> (rice)	China, Japan	5	7		Calif.*, La., Md., Tex., Wash.
<i>Chionaspis elongata</i> Green (Coccidae):					
<i>Arundinaria</i> sp.	China			4	D. C.
<i>Chionaspis plectani</i> Cooley (Coccidae):					
<i>Platanus occidentalis</i> (sycamore)	Mexico	1			Tex.
<i>Chionaspis wistariae</i> Cooley (Coccidae):					
<i>Wisteria</i> sp.	Japan			1	Calif.*
<i>Chionaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus nobilis deliciosa</i> (tangerine)	do	2	1		Calif.*, Wash.
<i>Citrus sinensis</i> (orange)	do		2		Calif.*
<i>Chrysomphalus alienus</i> (Newst.) (Coccidae):					
<i>Cattleya</i> sp. (orchid)	Venezuela			1	D. C.
<i>Chrysomphalus bifasciculatus</i> Ferris (Coccidae):					
<i>Citrus nobilis deliciosa</i> (Mandarin orange)	Japan	4			Wash.
<i>Chrysomphalus biformis</i> (Ckll.) (Coccidae):					
Orchid	Cuba	1			Fla.*
<i>Chrysomphalus perseae</i> (Comst.) (Coccidae):					
Leaf	Colombia	1			Fla.*
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Mexico	1			Ariz.
<i>Citrus limonia</i> (lemon)	do	1			Ariz.
<i>Vriesia</i> sp.	Brazil			1	N. J.
<i>Chrysomphalus rossi</i> Mask. (Coccidae):					
<i>Dendrobium dearei</i> (orchid)	Philippines			1	Calif.*
<i>Eugenia smithii</i>	Australia			1	Calif.*
<i>Phalaenopsis amabilis</i> (orchid)	Philippines			1	Calif.*
<i>Phalaenopsis aphrodite</i> (orchid)	do			1	Calif.*
<i>Phalaenopsis grandiflora</i> (orchid)	do			2	Calif.*
<i>Phalaenopsis schilleriana</i> (orchid)	do			2	Calif.*
<i>Trichoglottis philippinensis</i> (orchid)	do			1	Calif.*
<i>Chrysomphalus umboniferus</i> Newst. (Coccidae):					
<i>Musa</i> sp. (banana)	Panama	1			Wash.

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<i>Cinara tuajafilina</i> (DelG.) (Aphidae): <i>Thuja</i> sp.	Japan		1		Calif.*
<i>Clerada apicicornis</i> Sign. (Lygaeidae): <i>Ananas sativus</i> (pineapple)	Cuba	1			La.
<i>Cattleya</i> sp. (orchid)	Colombia			4	N. J.
<i>Cligenes picturata</i> (Dist.) (Lygaeidae): <i>Cattleya</i> sp. (orchid)	Venezuela			1	N. J.
<i>Clytus arietis</i> L. (Cerambycidae): <i>Ulmus</i> sp. (elm)	England	2			N. Y.
<i>Coccotrypes dactyliperda</i> (F.) (Scolytidae): <i>Phoenix dactylifera</i> (date)	Mexico	1			Ariz.
<i>Phytelephas macrocarpa</i> (ivory nut)	Ecuador	3			N. Y.
<i>Coccotrypes rollinae</i> Hopk. (Scolytidae): <i>Ptychosperma</i> sp. (palm)	Cuba			1	N. J.
<i>Coccus viridis</i> (Green) (Coccidae): <i>Achras sapota</i> (sapodilla)	Bahamas	1			Fla.*
<i>Citrus sinensis</i> (orange)	do		1		Fla.*
<i>Coffea</i> sp.	Cuba, Puerto Rico	2			Fla., N. Y.
<i>Gardenia florida</i> (Cape-jasmine)	Bahamas, Cuba, Hawaii, Honduras, Venezuela.	45	15	6	Calif.*, Fla.,* La.
<i>Plumeria</i> sp. (frangipani)	Bahamas	1			Fla.*
<i>Swietenia mahogani</i> (mahogany)	Cuba	1			Fla.*
<i>Colaspis viriditincta</i> Schaeffer (Chrysomelidae): <i>Punica granatum</i> (pomegranate)	Mexico	1			Ariz.
<i>Colecerus marmoratus</i> Horn (Curculionidae): <i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Proscopis</i> sp. (mesquite)	do	1			Tex.
<i>Conchaspis agraei</i> Ckll. (Coccidae): <i>Mazillaria</i> sp. (orchid)	Guatemala			1	Calif.*
Orchid	Dominican Republic			1	P. R.
<i>Conoderus bifoveatus</i> Palis. (Elateridae): <i>Brassica</i> sp. (mustard greens)	Cuba	1			N. Y.
<i>Conotrachelus aguacatae</i> Bra. (Curculionidae): <i>Persea americana</i> (avocado)	Mexico	158			Tex.
<i>Conotrachelus flavangulus</i> Champ. (Curculionidae): Flowers	do	1			Tex.
<i>Musa</i> sp. (banana)	Nicaragua	1			La.
<i>Conotrachelus leucophaeatus</i> Fahr. (Curculionidae): <i>Fragaria</i> sp. (strawberry)	Mexico	1			Tex.
<i>Conotrachelus nenuphar</i> (Herbst) (Curculionidae): <i>Amygdalus persica</i> (peach)	Bahamas		1		Fla.*
<i>Conotrachelus seniculus</i> Lec. (Curculionidae): <i>Amygdalus persica</i> (peach)	Mexico	1			Tex.
<i>Beta vulgaris cicla</i> (Swiss chard)	do	1			Tex.
<i>Pisum sativum</i> (pea)	do	1			Ariz.
<i>Zea mays</i> (corn)	do	1			Ariz.
<i>Corcyra cephalonica</i> (Staint.) (Galleriidae): <i>Calluna vulgaris</i> (heather)	Scotland	1			N. Y.
<i>Diospyros</i> sp. (persimmon)	Japan	1			Hawaii.*
<i>Gossypium</i> sp. (cottonseed)	Puerto Rico			1	D. C.
<i>Oryza sativa</i> (rice)	Japan	1			Hawaii.*
<i>Triticum aestivum</i> (wheat)	Brazil	2			Mass.
<i>Corizus pictipes</i> Stal (Coreidae): <i>Vitis</i> sp. (grape)	Argentina		1		N. Y.
<i>Corizus punctatus</i> Sign. (Coreidae): <i>Mentha</i> sp. (mint)	Mexico	1			Tex.
<i>Corythucha morrilli</i> O. & D. (Tingitidae): <i>Chrysanthemum</i> sp.	do	5			Ariz., Tex.
<i>Daucus carota</i> (carrot)	do	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Zinnia</i> sp.	do	1			Tex.
<i>Cosmolyce boeticus</i> (L.) (Lycaenidae): <i>Canavalia</i> sp.	Hawaii	1			Calif.*
<i>Dioclea violacea</i> (Mauna loa)	do	4			Calif.*
<i>Pisum sativum</i> (pea)	Japan		1		Wash.
<i>Cossonus canaliculatus</i> F. (Curculionidae): <i>Lycopersicon esculentum</i> (tomato)	Mexico	1			Tex.
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	2			N. Y.
<i>Cossonus excavatus</i> Boh. (Curculionidae): <i>Ananas sativus</i> (pineapple)	Mexico	1			Tex.

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<i>Creontiades rubrinervis</i> Stal (Miridae): <i>Spinacia oleracea</i> (spinach)	Mexico	1			Ariz.
<i>Crociosema plebeiana</i> Zell. (Olethreutidae): <i>Hibiscus esculentus</i> (okra)	do	1			Tex.
<i>Cylas formicarius</i> (F.) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)	Bahamas, China, Cuba, Dominican Republic, Hawaii, India, Jamaica, Mexico, Philippines, Puerto Rico.	31	34	3	Ala., Calif., Fla., Ga., Hawaii*, La., Md., Mass., N. Y., Pa., Tex., Va.
<i>Cylas puncticollis</i> Boh. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)	Gold Coast		1		Md.
<i>Cylas turcipennis</i> Boh. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)	Philippines		1		Ga.
<i>Cymoninus notabilis</i> (Dist.) (Lygaeidae): <i>Brassica</i> sp. (mustard)	Cuba	1			N. Y.
<i>Chrysanthemum coronarium</i> (crown daisy).	do	1			N. Y.
<i>Cyrtopeltis tenuis</i> Reut. (Miridae): <i>Antirrhinum majus</i> (snapdragon)	Jamaica	1			N. Y.
<i>Brassica chinensis</i> (white greens)	Cuba	12			N. Y.
<i>Brassica</i> sp. (mustard)	do	3			N. Y.
<i>Cyrtopeltis varians</i> (Dist.) (Miridae): <i>Brassica alba</i> (white mustard)	Mexico	1			Calif.
<i>Brassica rapa</i> (turnip)	do	1			Tex.
<i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Dactylosternum abdominale</i> F. (Hydrophilidae): <i>Brassica rapa</i> (turnip)	do	1			Tex.
<i>Cedrus</i> sp. (cedar)	Honduras	1			N. Y.
<i>Dactylosternum subdepressum</i> Lap. (Hydrophilidae): <i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	1			N. Y.
<i>Dacus cucurbitae</i> (Coq.) (Euribiidae): <i>Phaseolus</i> sp. (string bean)	Hawaii		1		Calif.*
<i>Deloyala guttata</i> (Oliv.) (Chrysomelidae): <i>Musa</i> sp. (banana)	Mexico	1			Tex.
<i>Deloyala lecontei</i> (Cr.) (Chrysomelidae): <i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Delphacodes campestris</i> (Van D.) (Araeopidae): <i>Phaseolus</i> sp. (string bean)	do	1			Ariz.
<i>Delphacodes koebelei</i> M. & G. (Araeopidae): <i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae): <i>Rhododendron</i> sp.	England			2	Wash.
<i>Dialeurodes citri</i> (Ashm.) (Aleyrodidae): <i>Citrus aurantium</i> (sour orange)	Bahamas	1			Md.
<i>Citrus sinensis</i> (orange)	Mexico	2			Tex.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae): <i>Citrus</i> sp.	Cuba	1			Fla.*
<i>Diaspis zamiae</i> Morg. (Coccidae): <i>Encephalartos woodii</i>	Union of South Africa			1	N. J.
<i>Encephalartos</i> sp.	do			1	N. J.
<i>Dikraneura kunzei</i> Gill. (Cicadellidae): <i>Capsicum annuum</i> (pepper)	Mexico	1			Ariz.
<i>Dinoderus bifoveolatus</i> Woll. (Bostrichidae): <i>Calamus</i> sp. (rattan)	Dutch East Indies	1			N. Y.
<i>Derris scandens</i> (Malay jewel vine)	Peru, Philippines	2			N. Y.
<i>Lonchocarpus</i> sp. (cube root)	Peru	1			N. Y.
<i>Serjania mexicana</i> (barbasco)	do	1			N. Y.
<i>Draeculacephala balli</i> Van D. (Cicadellidae): <i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Draeculacephala minerva</i> Ball (Cicadellidae): <i>Allium cepa</i> (onion)	do	1			Tex.
<i>Brassica</i> sp. (mustard)	do	5			Ariz., Tex.
<i>Daucus carota</i> (carrot)	do	2			Tex.
<i>Lactuca sativa</i> (lettuce)	do	6			Tex.
<i>Petroselinum hortense</i> (parsley)	do	3			Tex.

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<i>Draeculacephala minerva</i> Ball (Cicadellidae)—Continued.					
<i>Pisum sativum</i> (pea)	Mexico	1			Ariz.
<i>Raphanus sativus</i> (radish)	do	1			Tex.
<i>Saccharum officinarum</i> (sugarcane)	do	1			Tex.
<i>Spinacia oleracea</i> (spinach)	do	1			Tex.
<i>Draeculacephala portola</i> Ball (Cicadellidae):					
<i>Capsicum annuum</i> (pepper)	do	1			Tex.
<i>Gardenia florida</i> (Cape-jasmine)	do	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Drasterius cribratus</i> Lec. (Elateridae):					
<i>Ananas sativus</i> (pineapple)	do	1			Tex.
<i>Echinocnemus bipunctatus</i> Roel. (Curculionidae):					
<i>Larix</i> sp. (larch)	Japan			1	Wash.
<i>Empoasca abrupta</i> DeL. (Cicadellidae):					
<i>Beta vulgaris cicla</i> (Swiss chard)	Mexico	1			Tex.
<i>Chrysanthemum</i> sp	do	1			Tex.
<i>Daucus carota</i> (carrot)	do	1			Tex.
<i>Spinacia oleracea</i> (spinach)	do	1			Tex.
<i>Empoasca fabae</i> (Harr.) (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Empoasca phaseola</i> Oman (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Empoasca solana</i> DeL. (Cicadellidae):					
<i>Lactuca sativa</i>	do	2			Tex.
<i>Spinacia oleracea</i> (spinach)	do	2			Tex.
<i>Endrosis lacteella</i> (Schiff.) (Oceophoridae):					
<i>Aglaonema</i> sp	China			1	Wash.
<i>Amygdalus persica nectarina</i> (nectarine).	Chile	1			N. Y.
<i>Narcissus</i> sp	Ireland			1	N. J.
<i>Entylia sinuata</i> (F.) (Membracidae):					
<i>Chrysanthemum</i> sp	Mexico	1			Tex.
<i>Ephestia rileyella</i> Rag. (Phycitidae):					
<i>Yucca</i> sp	do	1			Tex.
<i>Epicaerus cognatus</i> Sharp (Curculionidae):					
<i>Solanum tuberosum</i> (potato)	do	8	2		Tex.
<i>Epicauta pardalis</i> Lec. (Meloidae):					
<i>Chenopodium</i> sp. (pigweed)	do	1			Ariz.
<i>Epidiaspis piricola</i> (DelGuer.) (Coccidae):					
<i>Malus sylvestris</i> (apple)	Italy, Portugal		2		Mass., N. Y.
<i>Pyrus communis</i> (pear)	Switzerland			1	D. C.
<i>Epilachna varivestis</i> Muls. (Coccinellidae):					
<i>Allium cepa</i> (onion)	Mexico	1			Tex.
<i>Beta vulgaris cicla</i> (Swiss chard)	do	3			Tex.
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Phaseolus</i> sp. (string bean)	do	3			Tex.
<i>Epinotia opposita</i> Hein. (Olethreutidae):					
<i>Phaseolus</i> sp. (string bean)	do	126	1		Ariz., Tex.
<i>Erynephala puncticollis</i> (Say) (Chrysomelidae):					
<i>Portulaca</i> sp. (purslane)	do	1			Tex.
<i>Eucalandra setulosa</i> Gyll. (Curculionidae):					
<i>Cattleya</i> sp. (orchid)	Colombia			1	N. J.
<i>Eucnocerus anthrenoides</i> Sharp (Dermestidae):					
<i>Tamarindus indica</i> (tamarind)	Mexico	1			Tex.
<i>Eudiagogus pulcher</i> Fahr. (Curculionidae):					
<i>Sesbania exaltata</i>	do	1			Calif.
<i>Eumecosomyia nubila</i> (Wd.) (Otitidae):					
<i>Brassica oleracea capitata</i> (cabbage)	do	3			Ariz., Tex.
<i>Cucurbita maxima</i> (squash)	do	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do	1			Ariz.
<i>Portulaca</i> sp. (purslane)	do	1			Ariz.
<i>Zea mays</i> (corn)	Cuba, Mexico, Peru	154	3		Ariz., La., N. Y., Tex.
<i>Euphalerus nidifex</i> Schwarz (Psyllidae):					
<i>Gardenia florida</i> (Cape-jasmine)	Mexico	1			Tex.
<i>Euphoria leucographa</i> (G. & P.) (Scarabaeidae):					
<i>Zea mays</i> (corn)	do	1			Ariz.
<i>Euphytus parvicollis</i> Schaef. (Chrysomeliade):					
<i>Brassica</i> sp. (mustard)	do	1			Ariz.

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<i>Eurycipitia vestitus</i> Dist. (Miridae):					
<i>Cattleya</i> spp. (orchid)-----	Brazil, Costa Rica, Guatemala.			3	Calif.*, N. J.
<i>Oncidium splendidum</i> (orchid)-----	Guatemala-----			1	Calif.*
Orchid-----	Colombia, Mexico-----			2	Calif.*, Tex.
<i>Euryophthalmus bipustulatus</i> (Stal) (Pyr- rhocoridae):					
<i>Gardenia florida</i> (Cape-jasmine)-----	Mexico-----	1			Tex.
<i>Malvariscus drummondii</i> -----	do-----	1			Tex.
<i>Eurytoma orchidearum</i> (Westw.) (Eury- tomidae):					
<i>Cattleya mossiae</i> (orchid)-----	Colombia, Venezuela-----			2	Calif.*, N. J.
<i>Cattleya skinnerii</i> -----	Guatemala-----			1	Calif.*
<i>Cattleya trianae</i> -----	Colombia-----			1	Calif.*
<i>Cattleya</i> sp-----	Brazil, Colombia, Costa Rica, Guatemala, Venezuela.			38	Calif.*, N. J., Wash.
Orchid-----	Colombia, Venezuela-----			2	N. J.
<i>Eurytoma pistaciae</i> Rond. (Eurytomidae):					
<i>Pistacia terebinthus</i> -----	Palestine-----			1	D. C.
<i>Eusepes postfasciatus</i> (Fairm.) (Curcu- lionidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	American Virgin Is- lands, Brazil, Hawaii, Jamaica, Peru, Puerto Rico, Trinidad, Vir- gin Islands.	3	50		Ala., Ga., La., Md., N. Y., Tex., Wash.
<i>Euspermophagus cardui</i> (Boh.) (Bru- chidae):					
<i>Vicia</i> sp. (vetch)-----	Hungary-----			1	N. J.
<i>Euxesta annonae</i> (F.) (Otitidae):					
<i>Zea mays</i> (corn)-----	Mexico-----	2			Tex.
<i>Euxesta notata</i> (Wied.) (Otitidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	Argentina-----		1		La.
<i>Euxesta sororcula</i> (Wied.) (Otitidae):					
<i>Zea mays</i> (corn)-----	Mexico-----	3			Tex.
<i>Euxesta stigmatias</i> Loew (Otitidae):					
<i>Capsicum annuum</i> (pepper)-----	do-----	1			Ariz.
<i>Zea mays</i> (corn)-----	do-----	1			Tex.
<i>Eritianus obscurinervis</i> (Stal) (Cicadelli- dae):					
<i>Phaseolus</i> sp. (string bean)-----	do-----	1			Tex.
<i>Exptochiamera arizonensis</i> Barb. (Lygaei- dae):					
<i>Portulaca</i> sp. (purslane)-----	do-----	1			Tex.
<i>Exptochiamera fuscicornis</i> Stal (Lygaei- dae):					
<i>Allium sativum</i> (garlic)-----	do-----	1			Tex.
<i>Celosia</i> sp. (cockscomb)-----	do-----	1			Tex.
<i>Exptochiamera minima</i> (Guer.) (Lygaei- dae):					
<i>Chrysanthemum</i> sp-----	do-----	3			Tex.
<i>Lycopersicum esculentum</i> (tomato)-----	do-----	1			Ariz.
<i>Rosa</i> sp-----	do-----	1			Tex.
<i>Exptochiamera oblonga</i> (Stal) (Lygaeidae):					
<i>Cattleya</i> sp. (orchid)-----	Venezuela-----			1	N. J.
<i>Fragaria</i> sp. (strawberry)-----	Mexico-----	1			Tex.
<i>Faustinus cubae</i> (Boh.) (Curculionidae):					
<i>Capsicum annuum</i> (pepper)-----	Cuba-----	1			N. Y.
<i>Feltia subterranea</i> (F.) (Phalaenidae):					
<i>Lactuca sativa</i> (lettuce)-----	Mexico-----	1			Tex.
<i>Fiorinia niphelii</i> Mask. (Coccidae):					
<i>Litchi chinensis</i> (lychee)-----	China-----			2	D. C.
<i>Forficula auricularia</i> L. (Forficulidae):					
Cut flowers-----	British Columbia-----	1			Oreg.
<i>Formosaspis formosanus</i> (Tak.) (Coc- cidae):					
Bamboo-----	China-----	1			Wash.
<i>Formosaspis nigra</i> (Tak.) (Coccidae):					
<i>Schizostachyum dumetorum</i> -----	do-----			1	D. C.
<i>Forsebia perlaeta</i> (Hy. Edw.) (Phalaeni- dae):					
<i>Lycopersicum esculentum</i> (tomato)-----	Mexico-----	1			Ariz.
<i>Frankliniella cephalica</i> (Crawf.) (Thripi- dae):					
<i>Gardenia florida</i> (Cape-jasmine)-----	do-----	1			Tex.
<i>Rosa</i> sp-----	do-----	1			Tex.



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<i>Frankliniella cubensis</i> Hood (Thripidae):					
<i>Citrus</i> sp.	Cuba	1			Fla.*
<i>Jasminum sambac</i> (Arabian jasmine)	do		1		Fla.*
<i>Rosa</i> sp.	Bahamas, Cuba	8	6		Fla.*
<i>Frankliniella difflcilis</i> Hood (Thripidae):					
<i>Rosa</i> sp.	Bahamas, Cuba	2			Fla.*
<i>Frankliniella fortissima</i> Pr. (Thripidae):					
<i>Althaea rosea</i> (hollyhock)	Mexico	1			Ariz.
<i>Antirrhinum majus</i> (snapdragon)	do	2			Ariz., Tex.
<i>Chrysanthemum</i> sp.	do	2			Tex.
Daisy	do	4			Ariz., Tex.
<i>Delphinium</i> sp. (larkspur)	do	1			Ariz.
<i>Dianthus</i> sp. (carnation)	Guatemala, Mexico	6			Tex.
<i>Gardenia florida</i> (Cape-jasmine)	Guatemala	1			Tex.
<i>Gladiolus</i> sp.	Mexico	2			Tex.
<i>Iris</i> sp.	do	1			Ariz.
<i>Lathyrus odoratus</i> (sweet pea)	Guatemala, Mexico	24			Ariz., Tex.
<i>Lilium</i> sp.	do	2			Tex.
<i>Lycopersicum esculentum</i> (tomato)	Mexico	1			Ariz.
<i>Medicago sativa</i> (alfalfa)	do	1			Tex.
<i>Nerium oleander</i> (oleander)	do	1			Ariz.
<i>Phaseolus</i> sp. (string bean)	do	2			Ariz.
<i>Polianthes tuberosa</i> (tuberose)	do	1			Tex.
<i>Rosa</i> sp.	do	7			Ariz., Tex.
<i>Viola</i> sp. (violet)	do	1			Tex.
<i>Frankliniella insularis</i> (Frankl.) (Thripidae):					
<i>Antirrhinum majus</i> (snapdragon)	Bahamas	1			N. Y.
Daisy	Brazil		1		Fla.*
<i>Gerberia</i> sp.	Dominican Republic	1			N. Y.
<i>Pentas lanceolata</i>	Bahamas	1			N. Y.
<i>Rosa</i> sp.	Cuba	1	3		Fla.*
<i>Frankliniella schultzei</i> Tryb. (Thripidae):					
<i>Ornithogalum thyrsoides</i> (chinkerichee)	Union of South Africa	1			Ill.
<i>Frankliniella williamsi</i> Hd. (Thripidae):					
<i>Zea mays</i> (corn)	Mexico	127	1		Ariz., Calif. Tex.
<i>Fulvius quadristillatus</i> (Stal) (Miridae):					
<i>Cattleya</i> sp. (orchid)	Colombia			3	N. J.
Orchid	Brazil			1	Calif.*
<i>Furcaspis bififormis</i> (Ckll.) (Coccidae):					
<i>Brassarola nodosa</i> (orchid)	Canal Zone			2	Calif.*, N. J.
<i>Brassarola</i> sp.	do			3	N. J.
<i>Brassia caudata</i> (orchid)	do			1	N. J.
<i>Cattleya skinneri</i> (orchid)	Guatemala			1	Calif.*
<i>Cattleya</i> sp.	Colombia, Venezuela	1		5	Calif.*, N. J.
<i>Epidendrum atropurpureum</i> (orchid)	Canal Zone			6	Calif.*, N. J., P. R.
<i>Epidendrum</i> sp.	do			2	N. J.
<i>Oncidium</i> sp. (orchid)	Venezuela			2	N. J.
Orchid	Colombia, Hawaii, Trinidad, Venezuela.	2		12	Calif.*, D. C., Fla.*, N. J., P. R.
<i>Schomburgkia</i> sp. (orchid)	Venezuela			1	N. J.
<i>Gastrodes pacificus</i> (Prov.) (Lygaeidae):					
<i>Pinus</i> sp. (pine)	Canada			1	Wash.
<i>Geocnethus nigrocinctus</i> (Sign.) (Cydnidae):					
<i>Cattleya</i> sp. (orchid)	Colombia			1	N. J.
<i>Vitis</i> sp. (grape)	Argentina	1			N. Y.
<i>Geocnethus semilevis</i> (Sign.) (Cydnidae):					
<i>Centaurea cyanus</i> (bachelors button)	Mexico	1			Tex.
<i>Chrysanthemum</i> sp.	do	1			Tex.
<i>Geocoris sonoraensis</i> Van D. (Lygaeidae):					
<i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Petroselinum hortense</i> (parsley)	do	1			Tex.
<i>Glyptina atriventris</i> Horn (Chrysomelidae):					
<i>Chenopodium album</i> (lambs-quarters)	do	1			Ariz.
<i>Glyptina nivalis</i> Horn (Chrysomelidae):					
Cut flowers	do	1			Ariz.
<i>Gnathotrichus consentaneus</i> Bldfd. (Scolytidae):					
<i>Citrus aurantifolia</i> (lime)	do	1			Tex.

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<i>Gnathotrichus denticulatus</i> Blkm. (Scolytidae): <i>Lycopersicum esculentum</i> (tomato)	Mexico	1			Ariz.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae): <i>Capsicum annuum</i> (pepper)	Cuba, Mexico	54			Ariz., La., Tex.
<i>Gnorimoschema lavernella</i> (Chamb.) (Gelechiidae): <i>Physalis</i> sp. (husk tomato)	Mexico	1			Tex.
<i>Gnorimoschema plaesiosema</i> (Turner) (Gelechiidae): <i>Solanum tuberosum</i> (potato)	Peru		3		N. Y., Wash.
<i>Gracilaria azaleella</i> Brants (Gracilariidae): <i>Azalea indica</i> (azalea)	Japan		1	1	Calif.,* Wash.
<i>Gracilia minuta</i> (F.) (Cerambycidae): Hoops around barrel	England	1			Mass.
<i>Grapholitha molesta</i> (Busck) (Olethreutidae): <i>Malus sylvestris</i> (apple)	Japan		1		Calif.*
<i>Gymnaspis aechmeae</i> Newst. (Coccidae): Bromeliad	Brazil			1	N. J.
<i>Gynaikothrips uzeli</i> Zimm. (Phlaeothripidae): <i>Ficus indica</i> (fig)	Cuba		5		Fla.,* N. Y.
<i>Gypona angulata</i> Spbg. (Cicadellidae): <i>Zinnia</i> sp.	Mexico	1			Ariz.
<i>Gypona delta</i> Ball (Cicadellidae): <i>Salvia</i> sp. (purple sage)	do	1			Tex.
<i>Halisidota inexpectata</i> Roths. (Arctiidae): <i>Cattleya</i> sp. (orchid)	Colombia			1	N. J.
<i>Haplothrips cottei</i> (Vuillet) (Phlaeothripidae): <i>Dianthus</i> sp. (carnation)	Europe	1			N. Y.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae): <i>Aster</i> sp.	Canal Zone	1			N. Y.
<i>Brassica</i> sp. (mustard)	Cuba	1			N. Y.
<i>Chrysanthemum coronarium</i> (crown daisy).	do	1			N. Y.
<i>Chrysanthemum</i> sp.	Mexico	1			Tex.
<i>Citrus</i> sp.	Puerto Rico	1			N. Y.
<i>Crinum</i> sp.	Bahamas	1			N. Y.
Daisy	Mexico	1			Tex.
<i>Daucus carota</i> (carrot)	Bahamas	1			N. Y.
<i>Gardenia florida</i> (Cape-jasmine)	Mexico	1			Tex.
<i>Gerberia</i> sp.	Canal Zone, Dominican Republic, Jamaica.	6			N. Y.
<i>Gladiolus</i> sp.	Canal Zone	1			N. Y.
<i>Nerium oleander</i> (oleander)	Bahamas		1	1	N. Y.
<i>Rosa</i> sp.	Bahamas, Cuba	5	1		Fla.*
<i>Tagetes florida</i> (marigold)	Mexico	1			Tex.
<i>Zinnia</i> sp.	Bermuda	1			N. Y.
<i>Heilipus lauri</i> (Boh.) (Curculionidae): <i>Persea americana</i> (avocado)	Mexico	2			Tex.
<i>Helichus productus</i> Lec. (Dryopidae): <i>Allium cepa</i> (onion)	do	1			Ariz.
<i>Hellula phidilealis</i> (Wlk.) (Pyraustidae): <i>Brassica alba</i> (white mustard)	do	31			Calif.
<i>Brassica chinensis</i> (white greens)	Cuba	23			N. Y.
<i>Brassica oleracea acephala</i> (kale)	do	2			N. Y.
<i>Brassica rapa</i> (turnip)	do		1		N. Y.
<i>Brassica</i> sp. (mustard)	Cuba, Mexico	44			Calif., N. Y.
<i>Raphanus sativus</i> (radish)	Cuba	1			N. Y.
<i>Hellula undalis</i> (F.) (Pyraustidae): <i>Brassica alba</i> (white mustard)	Mexico	1			Calif.
<i>Brassica oleracea capitata</i> (cabbage)	do	1			Tex.
<i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Raphanus sativus longipinnatus</i> (Chinese radish).	Japan		1		Pa.
<i>Hercinothrips dimidiatus</i> Hd. (Thripidae): <i>Haworthia altilinea</i>	Union of South Africa			1	Calif.*
<i>Hercinothrips errans</i> (Williams) (Thripidae): <i>Cypripedium</i> sp. (orchid)	England			1	N. J.

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<i>Hercinothrips femoralis</i> (Reut.) (Thripidae):					
<i>Cypripedium</i> sp. (orchid)	England			1	D. C.
<i>Dendrobium nobile</i> (orchid)	Japan			1	Hawaii.*
<i>Phalaenopsis aphrodite</i> (orchid)	Philippines			1	Hawaii.*
<i>Phalaenopsis grandiflora</i>	do			1	Hawaii.*
<i>Phalaenopsis stuartiana</i>	do			1	Hawaii.*
<i>Heterobostrychus aequalis</i> (Waterh.) (Bostriichidae):					
Bamboo dunnage	Java		1		Va.
Packing cases	India	1			Pa.
Wooden frame of tea chest	Dutch East Indies	2			N. Y.
Wooden cases containing mica	India	2			Mass.
<i>Homalodisca triquetra</i> (F.) (Cicadellidae):					
<i>Laurus nobilis</i> (Grecian laurel)	Mexico	1			Tex.
<i>Homona menciata</i> (Wlk.) (Tortricidae):					
<i>Ginkgo biloba</i> (maidenhair tree)	Japan		1		N. Y.
<i>Hyalopterus atriplicis</i> (L.) (Aphiidae):					
<i>Chenopodium album</i> (lambs-quarters)	Mexico	2			Ariz.
<i>Hyphantria textor</i> (Harr.) (Arctiidae):					
<i>Beta vulgaris</i> (beet)	do	1			Tex.
<i>Brassica rapa</i> (turnip)	do	1			Tex.
<i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Capsicum annuum</i> (pepper)	do	1			Tex.
<i>Daucus carota</i> (carrot)	do	1			Tex.
<i>Hypselonotus fulvus</i> (Deg.) (Coreidae):					
<i>Malvastrum drummondii</i>	do	1			Tex.
<i>Hypsipyla grandella</i> (Zell.) (Phycitidae):					
<i>Cedrus</i> sp. (cedar)	Honduras	1			N. Y.
<i>Icerya seychellorum</i> (Westw.) (Coccidae):					
<i>Mangifera indica</i> (mango)	Tahiti	1			Hawaii.*
<i>Inglisia vitrea</i> (Ckll.) (Coccidae):					
<i>Laurus nobilis</i> (Grecian laurel)	Brazil		1		N. Y.
<i>Iridomyrmex humilis</i> Mayr. (Formicidae):					
<i>Ananas sativus</i> (pineapple)	Portugal	1			N. Y.
<i>Brassica</i> sp. (mustard)	Cuba	1			N. Y.
<i>Iridomyrmex iniquus nigella</i> Em. (Formicidae):					
<i>Cattleya</i> sp. (orchid)	Colombia, Venezuela			3	N. J.
<i>Iridomyrmex melleus</i> Whlr. (Formicidae):					
Packing of orchid plants	France	1			Hawaii.*
<i>Iridomyrmex melleus</i> Whlr. var. (Formicidae):					
Packing of orchid plants	do	1			Hawaii.*
<i>Iridomyrmex pruinosus</i> (Rog.) (Formicidae):					
<i>Chrysanthemum coronarium</i> (crown daisy)	Cuba	1			N. Y.
<i>Kaloterms marginipennis</i> Latr. (Termitidae):					
<i>Prosopis</i> sp. (mesquite)	Mexico	1			Ariz.
<i>Kaloterms minor</i> Hagen (Termitidae):					
<i>Ananas sativus</i> (pineapple)	do	1			Tex.
<i>Kaloterms piceatus</i> Snyder (Termitidae):					
Lumber	Hawaii	1			Calif.*
<i>Keiferia lycopersicella</i> (Busck) (Gelechiidae):					
<i>Lycopersicum esculentum</i> (tomato)	Cuba, Mexico	6,768			Ariz., Calif., N. Y., Tex., Vt.
<i>Phaseolus</i> sp. (string bean)	Mexico	1			Ariz.
<i>Kuwanaspis pseudoleucaspis</i> (Kuw.) (Coccidae):					
<i>Arundinaria</i> sp.	China			1	D. C.
<i>Phyllostachys</i> sp.	do			1	D. C.
<i>Semiarundinaria venusta</i>	do			1	D. C.
<i>Sinobambusa laeta</i>	do			1	D. C.
<i>Sinobambusa rubroligulata</i>	do			1	D. C.
<i>Sinobambusa tootsii</i>	do			1	D. C.
<i>Kuwanaspis vermiformis</i> (Tah.) (Coccidae):					
<i>Arundinaria</i> sp.	do			3	D. C.
<i>Phyllostachys</i> sp. (bamboo)	do			1	D. C.
<i>Sinobambusa humila</i>	do			1	D. C.

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<i>Laemophloeus iteratus</i> Sharp (Cucujidae): <i>Guaiacum officinale</i> (lignumvitae)	Guatemala	1			N. Y.
<i>Laemophloeus suturalis</i> Reitt. (Cucujidae): <i>Tabebuia donnell-smithii</i> (primavera)	Guatemala, Nicaragua	2			N. Y.
<i>Laemotmetus rhizophagoides</i> (Walk.) (Cucujidae): Bamboo	Dutch East Indies, Java		6		N. Y., Va.
<i>Laspeyresia membrosa</i> Hein. (Olethreutidae): <i>Prosopis</i> sp. (mesquite)	Mexico	1	1		Tex.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae): <i>Castanea sativa</i> (Spanish chestnut)	Portugal	1			N. Y.
<i>Castanea</i> sp. (chestnut)	Japan, Portugal, Spain	26	1	1	Calif.*, N. Y., Pa., Wash.
<i>Lecaniodiaspis dendrobii</i> Dougl. (Coccidae): <i>Cattleya</i> sp. (orchid)	Venezuela			1	N. J.
<i>Lecanium coryli</i> (L.) (Coccidae): <i>Prunus</i> sp. (cherry)	Canada	1			Wash.
<i>Leperisinus fraxini</i> Panz. (Scolytidae): <i>Fraxinus</i> sp. (ash)	England	6			N. Y.
<i>Lepidosaphes camelliae</i> Hoke (Coccidae): <i>Camellia japonica</i> (camellia)	Cuba, Japan, Mexico	2		2	Fla., Tex., Wash.
<i>Lepidosaphes conchiformis</i> (Gmel.) (Coccidae): <i>Eriobotrya japonica</i> (loquat)	Japan		1		Wash.
<i>Malus</i> sp. (flowering crabapple)	do		1		N. Y.
<i>Pyrus communis</i> (pear)	do		1		Wash.
<i>Lepidosaphes lasianthi</i> (Green) (Coccidae): <i>Codiaeum</i> sp. (croton)	Colombia			1	N. J.
<i>Lepidosaphes pallida</i> (Green) (Coccidae): <i>Juniperus</i> sp. (juniper)	Chosen	1			N. Y.
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae): Cactus	Mexico			3	Calif.*, Tex.
<i>Myrtillocactus</i> sp. (cactus)	do			2	D. C., Tex.
<i>Pachycereus marginatus</i> (cactus)	do			1	Tex.
<i>Lepidosaphes tuberculata</i> Malen. (Coccidae): <i>Cymbidium eburneum</i> (orchid)	England			1	N. J.
<i>Cymbidium</i> sp.	Belgium, England, Japan			20	Calif.*, D. C., Hawaii*, N. J., Wash.
Orchid	England			1	N. J.
<i>Leucaspis cockerelli</i> (deCharmoy) (Coccidae): <i>Vanda luzonica</i> (orchid)	Philippines			1	Hawaii.*
<i>Vanda teres</i>	Jamaica			1	N. J.
<i>Leucaspis indica</i> Marlatt (Coccidae): <i>Mangifera indica</i> (mango)	Cuba			1	Fla.*
<i>Leucopocila albofasciata</i> Reut. (Miridae): <i>Brassica</i> sp. (mustard)	Mexico	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do	6			Ariz., Tex.
<i>Leucoptera coffeella</i> Guer. (Gracilariidae): <i>Coffea</i> sp.	Cuba	2			Fla.*
<i>Lichtensia lutea</i> (Ckll.) (Coccidae): Unidentified leaves	Mexico	1			Tex.
<i>Ligyrocoris abdominalis</i> (Guer.) (Lygaeidae): <i>Cucurbita maxima</i> (squash)	do	1			Tex.
<i>Ligyrocoris aurivilliana</i> (Dist.) (Lygaeidae): <i>Chrysanthemum parthenium</i> (feverfew).	do	1			Tex.
<i>Fragaria</i> sp. (strawberry)	do	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Ligyrocoris litigiosus</i> (Stal) (Lygaeidae): <i>Ananas sativus</i> (pineapple)	Cuba, Mexico	3			La., Tex.
<i>Ligyrocoris nitidicollis</i> (Stal) (Lygaeidae): Cactus	Mexico	1		1	Tex.
<i>Fragaria</i> sp. (strawberry)	do	1			Tex.
<i>Gypsophila paniculata</i> (babysbreath)	do	1			Tex.
Orchid	do			1	Tex.

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<i>Ligyrocoris nitidulus</i> (Uhler) (Lygaeidae):					
<i>Allium sativum</i> (garlic)-----	Mexico-----	1-----			Ariz.
<i>Lactuca sativa</i> (lettuce)-----	do-----	1-----			Tex.
<i>Portulaca</i> sp. (purslane)-----	do-----	1-----			Ariz.
<i>Zea mays</i> (corn)-----	do-----	1-----			Ariz.
<i>Ligyrocoris rubricatus</i> Barb. (Lygaeidae):					
<i>Phaseolus</i> sp. (string bean)-----	do-----	1-----			Tex.
<i>Ligyrocoris setosus</i> (Stal) (Lygaeidae):					
<i>Chrysanthemum maximum</i> (shasta daisy).-----	do-----	1-----			Tex.
<i>Chrysanthemum</i> sp.-----	do-----	1-----			Tex.
<i>Limothrips denticornis</i> Hal. (Thripidae):					
<i>Helleborus niger</i> (Christmas-rose)-----	England-----			1	N. J.
<i>Lineodes integra</i> (Zell.) (Pyraustidae):					
<i>Lycopersicum esculentum</i> (tomato)-----	Mexico-----	2-----			Ariz., Tex.
<i>Liosomaphis berberidis</i> (Kalt.) (Aphidae):					
<i>Berberis thunbergi</i> (Japanese barberry)-----	Canada-----			1	D. C.
<i>Liothrips vaneeckei</i> Pr. (Thripidae):					
<i>Lilium speciosum</i> (speciosum lily)-----	Japan-----			1	Wash.
<i>Lilium</i> sp. (lily)-----	England, Japan-----		3	3	Md., Mass., N. Y., Wash.
<i>Liriomyza flaveola</i> Fallen (Agromyzidae):					
<i>Brassica chinensis</i> (white greens)-----	Cuba-----	9-----			N. Y.
<i>Brassica oleracea acephala</i> (kale)-----	do-----	5-----			N. Y.
<i>Brassica</i> sp. (mustard)-----	do-----	25-----			N. Y.
<i>Coriandrum sativum</i> (coriander)-----	do-----	1-----			N. Y.
<i>Medicago sativa</i> (alfalfa)-----	Mexico-----	1-----			Tex.
<i>Listroderes obliquus</i> Klug. (Curculionidae):					
In box of grapes-----	Argentina-----	1-----			N. Y.
<i>Vitis</i> sp. (grape)-----	Chile-----	1-----			N. Y.
<i>Lophocateres pusillus</i> (Klug.) (Ostomidae):					
<i>Zea mays</i> (corn)-----	Mexico-----	2-----			Tex.
<i>Lorita abornana chatka</i> Busck (Phalaenidae):					
<i>Capsicum annuum</i> (pepper)-----	do-----	77-----			Ariz.
<i>Lycopersicum esculentum</i> (tomato)-----	do-----	3-----			Ariz.
<i>Lycorylon japonum</i> Reitt. (Lycetidae):					
Bamboo-----	Java-----		1		Va.
<i>Lygaeus circumlitus</i> Stal (Lygaeidae):					
Cut flowers-----	Mexico-----	1-----			Tex.
<i>Lygaeus lateralis</i> Dall. (Lygaeidae):					
<i>Lactuca sativa</i> (lettuce)-----	do-----	3-----			Tex.
<i>Lycopersicum esculentum</i> (tomato)-----	do-----	1-----			Tex.
<i>Solanum tuberosum</i> (potato)-----	do-----	1-----	1		Ariz., Pa.
<i>Lygaeus vitiscutis</i> Stal (Lygaeidae):					
On sack of bran-----	do-----	1-----			Tex.
<i>Lygus championi</i> Dist. (Miridae):					
<i>Lactuca sativa</i> (lettuce)-----	do-----	1-----			Tex.
<i>Lygus distinctus</i> Knight (Miridae):					
<i>Spinacia oleracea</i> (spinach)-----	do-----	1-----			Ariz.
<i>Lygus elisus</i> van D. (Miridae):					
<i>Brassica</i> sp. (mustard)-----	do-----	2-----			Tex.
<i>Petroselinum hortense</i> (parsley)-----	do-----	1-----			Tex.
<i>Zea mays</i> (Corn)-----	do-----	1-----			Ariz.
<i>Lygus hesperius</i> Knegt. (Miridae):					
<i>Brassica</i> sp. (mustard)-----	do-----	1-----			Tex.
<i>Lygus sallei</i> Stal (Miridae):					
<i>Lactuca sativa</i> (lettuce)-----	do-----	1-----			Ariz.
<i>Macrosteles davisus</i> (Uhl.) (Cicadellidae):					
<i>Lactuca sativa</i> (lettuce)-----	do-----	1-----			Tex.
<i>Raphanus sativus</i> (radish)-----	do-----	1-----			Calif.
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
<i>Dioclea violacea</i> (mauna loa)-----	Hawaii-----	4-----	1		Calif.*
<i>Phaseolus</i> sp. (string bean)-----	Brazil, Haiti, Hawaii, Puerto Rico, Trini- dad, Virgin Islands.		13		Ala., Calif., La., Md., Mass., Pa.
<i>Matsucoccus matsumurae</i> (Kuw.) (Coccidae):					
<i>Pinus</i> sp. (pine)-----	Japan-----			3	Wash.
<i>Metamasius sericeus</i> Ol. (Curculionidae):					
Banana debris-----	Honduras-----	1-----			Tex.
<i>Musa</i> sp. (banana)-----	Ecuador, Honduras-----	4-----			Md., N. Y.
<i>Solanum melongena</i> (eggplant)-----	Cuba-----	1-----			N. Y.
Under light in hold of banana boat-----	Colombia-----	1-----			Pa.

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<i>Metamasius sericeus carbonarius</i> Chev. (Curculionidae): Banana debris	Guatemala	1			S. C.
<i>Metriona erratica</i> (Boh.) (Chrysomelidae): <i>Gardenia florida</i> (Cape-jasmine)	Mexico	1			Tex.
<i>Metriona profligata</i> (Boh.) (Chrysomelidae): <i>Brassica oleracea capitata</i> (cabbage)	do	1			Tex.
<i>Micrapate dinoderoides</i> (Horn) (Bostrichidae): Tree limbs used for crating	do	2			Ariz.
<i>Micrapate scapularis</i> Gorb. (Bostrichidae): <i>Sambucus</i> sp. (elder)	do	1			N. Y.
Wood crating	do	7			Ariz., Mass., N. Y.
<i>Zea mays</i> (corn)	do	1			Tex.
<i>Micrelus ericae</i> Gyll. (Curculionidae): <i>Calluna vulgaris</i> (heather)	Scotland	1		1	D. C., N. Y.
<i>Moodna bisinuella</i> Hamp. (Phycitidae): <i>Zea mays</i> (corn)	Mexico	54			Tex.
<i>Mordellistena cattleyana</i> Champ. (Mordellidae): <i>Cattleya</i> sp. (orchid)	Brazil, Colombia, Venezuela.			4	Calif., N. J.
<i>Mordellistena chapini</i> Ray (Mordellidae): <i>Cattleya</i> sp.	Peru			2	N. J.
Orchid	Colombia			1	N. J.
<i>Morganella longispina</i> (Morg.) (Coccidae): <i>Carica papaya</i> (papaya)	Brazil	1			N. Y.
<i>Nerium oleander</i> (oleander)	Bahamas		1		Fla.*
<i>Mormidea collaris</i> Dall. (Pentatomidae): Orchid	Mexico			1	Tex.
<i>Mozena lunata</i> (Burm.) (Coreidae): <i>Capsicum annuum</i> (pepper)	do	1			Tex.
<i>Myocalandra discors</i> Faust (Curculionidae): Bamboo	Dutch East Indies		1		Va.
<i>Myochrous denticollis</i> Say (Chrysomelidae): <i>Cattleya trianae</i> (orchid)	Colombia			1	Calif.*
<i>Nabis alternata</i> Parsh. (Nabidae): <i>Brassica rapa</i> (turnip)	Mexico	2			Tex.
<i>Brassica</i> sp. (mustard)	do	2			Tex.
<i>Chrysanthemum</i> sp.	do	1			Tex.
<i>Rophanus satirus</i> (radish)	do	2			Tex.
<i>Nabis punctipennis</i> Blanch. (Nabidae): <i>Brassica oleracea capitata</i> (cabbage)	Chile		1		Va.
<i>Nasutitermes cornigera</i> Motsch (Termitidae): <i>Cattleya</i> sp. (orchid)	Colombia			1	N. J.
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	1			N. Y.
<i>Naucles pusio</i> (Lec.) (Mordellidae): <i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Nemapogon granella</i> (L.) (Tineidae): <i>Agaricus campestris</i> (mushroom)	Japan	2			Hawaii.*
<i>Nemocephalus guatemalensis</i> Senna (Brentidae): <i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	2			N. Y.
<i>Neoclytus cacicus</i> Chevrollet (Cerambycidae): <i>Eugenia axillaris</i> (guayacan)	do	1			Calif.*
<i>Guaiacum officinale</i> (lignumvitae)	Canal Zone, Guatemala, Honduras.	4			Calif., N. Y., Wash.
<i>Neolecanium cornuparvum</i> (Thro.) (Coccidae): <i>Magnolia liliflora</i>	Japan			1	Wash.
<i>Magnolia soulangeana</i>	do			1	Wash.
<i>Magnolia stellata</i>	do			1	Wash.
<i>Nesosteles neglectus</i> (DeL. & D.) (Cicadellidae): <i>Zinnia</i> sp.	Mexico	1			Tex.
<i>Neuroctenus simplex</i> (Uhler) (Aradidae): <i>Prosopis</i> sp. (mesquite)	do		1		Tex.
<i>Nicobium castaneum</i> (Oliv.) (Anobiidae): Wicker hamper	Portugal	1			Pa.
<i>Nicobium hirtum</i> (Ill.) (Anobiidae): Wicker hamper	do	1			Pa.

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<i>Nysius callifer</i> Stal (Lygaeidae): Mixed flowers	Venezuela	1			N. Y.
<i>Nysius expressus</i> Dist. (Lygaeidae): <i>Brassica chinensis</i> (Chinese cabbage)	Japan		1		Wash.
<i>Nysius minutus</i> Uhl. (Lygaeidae): <i>Brassica rapa</i> (turnip)	Mexico	1			Tex.
<i>Brassica</i> sp. (mustard)	do	1			Tex.
<i>Portulaca</i> sp. (purslane)	do	1			Tex.
<i>Zea mays</i> (corn)	do	1			Ariz.
<i>Nysius monticola</i> Dist. (Lygaeidae): <i>Brassica rapa</i> (turnip)	do	1			Tex.
<i>Spinacia oleracea</i> (spinach)	do	1			Tex.
<i>Nyssodrys haldemani</i> Lec. (Crambycidae): <i>Tamarindus indica</i> (tamarind)	do	1			Tex.
<i>Odonaspis graminis</i> Bremner (Coccidae): Wild grass	do	1			Ariz.
<i>Odonaspis greeni</i> Ckll. (Coccidae): <i>Bambusa dissemlator</i>	China			1	D. C.
<i>Bambusa pervariabilis</i>	do			1	D. C.
<i>Odonaspis penicillata</i> Ckll. (Coccidae): <i>Arundinaria hindsii</i> (ramrod bamboo)	do			1	D. C.
<i>Bambusa pervariabilis</i>	do			1	D. C.
<i>Bambusa</i> sp.	do			1	D. C.
<i>Oedionychis durangoensis</i> Jac. (Chrysomelidae): <i>Zea mays</i> (corn)	Mexico	1			Ariz.
<i>Ollarianus strictus</i> (Ball) (Cicadellidae): <i>Chrysanthemum</i> sp.	do	2			Tex.
<i>Dahlia</i> sp.	do	1			Ariz.
<i>Onthophagus marginatus</i> Cast. (Scarabaeidae): <i>Gossypium</i> sp. (cotton)	Cuba	1			N. Y.
<i>Onychobaris ambigua</i> Csy. (Curculionidae): <i>Dahlia</i> sp.	Mexico	1			Ariz.
<i>Opsius stactogalus</i> Fieb. (Cicadellidae): <i>Delphinium</i> sp. (larkspur)	do	1			Ariz.
<i>Orchidophilus aterrimus</i> (Wthr.) (Curculionidae): <i>Dendrobium cerinum</i> (orchid)	Philippines			1	Calif.*
<i>Dendrobium chrysotoxum</i>	Japan			1	Hawaii.*
Orchid	Thailand			1	Calif.*
<i>Phalaenopsis aphrodite</i> (orchid)	Philippines			1	Hawaii.*
<i>Phalaenopsis grandiflora</i>	do			1	Hawaii.*
<i>Phalaenopsis stuartiana</i>	do			1	Hawaii.*
<i>Vanda caerulea</i> (orchid)	Japan			1	Hawaii.*
<i>Vanda sandariana</i>	Philippines			1	Hawaii.*
<i>Orthaea scutellata</i> (Dall.) (Lygaeidae): <i>Brassica chinensis</i> (white greens)	Cuba	3			N. Y.
<i>Fragaria</i> sp. (strawberry)	Mexico	3			Tex.
<i>Oryctonia jucunda</i> (Fald.) (Scarabaeidae): <i>Pinus parviflora</i> (Japanese white pine)	Japan			1	Wash.
<i>Ozophora burmeisteri</i> (Guer.) (Lygaeidae): <i>Brassica chinensis</i> (white greens)	Cuba	1			N. Y.
<i>Ozophora gracilipes</i> (Stal) (Lygaeidae): <i>Cattleya</i> sp. (orchid)	Venezuela			1	N. J.
<i>Ozophora pallescens</i> (Dist.) (Lygaeidae): <i>Phaseolus</i> sp. (string bean)	Cuba		1		N. Y.
<i>Pachymerus olearius</i> Bridwell (Bruchidae): <i>Orbignya barbosiana</i>	Brazil			1	P. R.
<i>Pachyzancla periusalis</i> (Wlk.) (Pyraustidae): <i>Solanum melongena</i> (eggplant)	Cuba	3			N. Y.
<i>Pagiocerus rimosus</i> Eichh. (Scolytidae): <i>Zea mays</i> (corn)	Peru	3			Calif.* N. Y.
<i>Palaeopus costicollis</i> Marsh. (Curculionidae): <i>Dioscorea</i> sp. (yam)	Jamaica	1			N. Y.
<i>Ipomoea batatas</i> (sweetpotato)	Guadeloupe, Jamaica	1	1		N. Y.
<i>Pantomorus xanthographus</i> Germ. (Curculionidae): <i>Vitis</i> sp. (grape)	Argentina	3			N. Y.
Packing for grapes	do	1			N. Y.
<i>Paragonatas divergens</i> (Dist.) (Lygaeidae): <i>Cattleya</i> sp. (orchid)	Colombia			1	D. C.

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<i>Parallelodiplosis cattleyae</i> Moll. (Cecidomyiidae):					
<i>Oncidium</i> sp. (orchid).....	Mexico.....	1			Tex.
<i>Parandra polita</i> Say (Cerambycidae):					
<i>Takebuia donnel-smithii</i> (primavera).....	Guatemala.....	1			N. Y.
<i>Parlatoria camelliae</i> Comst. (Coccidae):					
<i>Camellia japonica</i> (camellia).....	Japan.....			10	Calif.*, D. C., Wash.
<i>Camellia sasanqua</i> (sasanqua tea).....	do.....			1	Calif.*
<i>Camellia</i> sp.....	do.....			2	Wash.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (sour lime).....	Mexico.....	1			Tex.
<i>Citrus sinensis</i> (orange).....	Argentina, Brazil.....	1	1		Fla.*
<i>Citrus</i> sp.....	Brazil.....			1	D. C.
<i>Parlatoria crotonis</i> Doug. (Coccidae):					
<i>Codiaeum</i> sp. (croton).....	Hawaii.....	1		1	Calif.*
<i>Parlatoria oleae</i> (Colvée) (Coccidae):					
<i>Malus sylvestris</i> (apple).....	Italy.....	1			N. Y.
<i>Malus</i> sp.....	do.....			1	D. C.
<i>Prunus domestica</i> (plum).....	Argentina.....	6			N. Y.
<i>Prunus</i> sp.....	Italy.....			1	D. C.
<i>Ribes nigrum</i> (European black currant).	do.....	1			N. Y.
<i>Parlatoria pseudaspidotus</i> Ldgr. (Coccidae):					
<i>Aerides</i> sp. (orchid).....	Philippines.....			1	N. J.
<i>Dendrobium nobile</i> (orchid).....	Thailand.....			1	Calif.*
<i>Dendrobium</i> sp.....	do.....			1	Calif.*
<i>Vanda purpurea</i> (orchid).....	do.....			1	Calif.*
<i>Vanda teres</i> (orchid).....	Jamaica, Japan, Philippines.....			3	Hawaii.* N. J.
<i>Vanda teres alba</i> .....	Thailand.....			1	Calif.*
<i>Vanda teres andersoni</i> .....	Japan, Philippines, Thailand.....			3	Calif.*, Hawaii.*
<i>Vanda teres aurea</i> .....	Philippines.....			1	Hawaii.*
<i>Vanda teres giganteum</i> .....	Japan.....			1	Hawaii.*
<i>Vanda teres grandiflora</i> .....	Japan, Philippines.....			2	Hawaii.*
<i>Vanda</i> sp.....	Philippines, Straits Settlements, Thailand.....			5	Calif.*, N. J., Wash.
<i>Parlatoria theae</i> Ckll. (Coccidae):					
<i>Acer</i> sp. (maple).....	Japan.....		1	1	N. Y., Wash.
<i>Prunus</i> sp.....	do.....			1	Calif.*
<i>Parlatoria ziziphus</i> (Lucas) (Coccidae):					
<i>Citrus aurantifolia</i> (lime).....	Java.....		1		Mass.
<i>Citrus grandis</i> (grapefruit).....	China.....		1		Calif.*
<i>Citrus nobilis deliciosa</i> (tangerine).....	Java.....		1		N. Y.
<i>Paromius longulus</i> (Dall.) (Lygaeidae):					
<i>Pinus</i> sp. (pine).....	Mexico.....	1			Tex.
<i>Pealius hibisci</i> (Kot.) (Aleyrodidae):					
<i>Hibiscus</i> sp.....	Hawaii.....			3	Calif.*
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium</i> sp. (cottonseed).....	Bahamas, Brazil, Hawaii, India, Mexico, Puerto Rico.....	5	3	5	Calif.*, D. C., Fla.*, La., Mass., N. Y., Pa., Tex.
<i>Gossypium</i> sp. (seed cotton).....	Cuba, Mexico.....	3	2		Fla.*, Tex.
<i>Gossypium</i> sp. (cotton) (boll).....	Argentina, Hawaii.....	2	3		Calif.*, Pa.
<i>Gossypium</i> sp. (cotton) (linter).....	Brazil.....	1			N. Y.
<i>Gossypium</i> sp. (cotton).....	Bahamas.....	1			Fla.*
<i>Hibiscus esculentus</i> (okra).....	Brazil, St. Vincent.....		2		Mass., N. Y.
<i>Penichroa fasciata</i> Steph. (Cerambycidae):					
Wooden hoops.....	Spain.....	1			N. Y.
<i>Phaedon incertum</i> Baly (Chrysomelidae):					
<i>Diospyros</i> sp. (persimmon).....	Japan.....		1		Mass.
<i>Phelomerus aberrans</i> (Sharp) (Bruchidae):					
<i>Cassia ferruginea</i> .....	Brazil.....			1	D. C.
<i>Cassia fistula</i> (golden-shower).....	Panama.....	4			N. Y.
<i>Cassia moschata</i> .....	Canal Zone.....			1	N. J.
<i>Phenacaspis eugeniae</i> (Mask.) (Coccidae):					
<i>Mangifera indica</i> (mango).....	Hawaii.....			3	Calif.*
<i>Tristania conferta</i> (Brsibane-box).....	Australia.....			1	Calif.*
<i>Phenacaspis fujicola</i> Kuw. (Coccidae):					
<i>Wisteria multijuga</i> (longcluster wisteria).	Japan.....			1	N. J.



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<i>Phenacoccus gossypii</i> Towns. & Ckll. (Coccidae):					
<i>Antirrhinum majus</i> (snapdragon)	Mexico	1			Ariz.
<i>Chrysanthemum</i> sp.	do	2			Ariz., Tex.
<i>Lilium</i> sp. (lily)	Bermuda	1			D. C.
<i>Pelargonium</i> sp. (geranium)	Mexico	1		2	Ariz., Tex.
<i>Verbena</i> sp.	do	1			Ariz.
<i>Zinnia</i> sp.	do	1			Tex.
<i>Philophylla heraclei</i> (L.) (Euribiidae):					
<i>Apium graveolens</i> (celery)	England		1		N. Y.
<i>Phlepsius distinctus</i> Lathr. (Cicadellidae):					
<i>Brassica</i> sp. (mustard)	Mexico	1			Tex.
<i>Lactuca sativa</i> (lettuce)	do	1			Tex.
<i>Phormesium virgulatum</i> Bates (Cerambycidae):					
<i>Cassia fistula</i> (golden-shower)	Honduras		1		La.
<i>Phyllotreta atra</i> (F.) (Chrysomelidae):					
<i>Helleborus niger</i> (Christmas-rose)	England			1	N. J.
<i>Phyllotreta pusilla</i> Horn (Chrysomelidae):					
<i>Beta vulgaris cicla</i> (Swiss chard)	Mexico	1			Tex.
<i>Brassica rapa</i> (turnip)	do	4			Tex.
<i>Brassica</i> sp. (mustard)	do	2			Tex.
<i>Daucus carota</i> (carrot)	do	1			Calif.
<i>Raphanus sativus</i> (radish)	do	1			Tex.
<i>Spinacia oleracea</i> (spinach)	do	1			Tex.
<i>Phyllotreta vittata discedens</i> Weise (Chrysomelidae):					
<i>Brassica chinensis</i> (white greens)	Cuba	9			N. Y.
<i>Brassica</i> sp. (mustard)	do	8			N. Y.
<i>Coriandrum sativum</i> (coriander)	do	1			N. Y.
<i>Raphanus sativus longipinnatus</i> (radish)	do	2			N. Y.
<i>Pinnaspis buxi</i> (Bouche) (Coccidae):					
Palm	Japan		1		Calif.*
<i>Pinnaspis minor strachani</i> Cooley (Coccidae):					
<i>Dombeya</i> sp.	Cuba			1	D. C.
<i>Euphoria longana</i> (longan)	do	1			N. Y.
<i>Pinnaspis townsendi</i> (Ckll.) (Coccidae):					
<i>Cymbidium finlaysonianum</i> (orchid)	Philippines			1	Calif.*
<i>Dendrobium</i> sp. (orchid)	Straits Settlements			1	N. J.
<i>Vanda tricolor</i> (orchid)	Australia			2	Hawaii.*
<i>Pionea forficalis</i> (L.) (Pyraustidae):					
<i>Brassica oleracea botrytis</i> (cauliflower)	England		1		N. Y.
<i>Placosternus crinicornis</i> (Chevr.) (Cerambycidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Plagioderia thymaloides</i> Stal (Chrysomelidae):					
Orchid	do	1		1	Tex.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Capsicum annuum</i> (pepper)	Cuba	4			N. Y.
<i>Coriandrum sativum</i> (coriander)	do	1			N. Y.
<i>Musa paradisiaca</i> (plantain)	do	1			N. Y.
<i>Solanum melongena</i> (eggplant)	do	1			N. Y.
<i>Platynota stultana</i> (Wlsm.) (Tortricidae):					
<i>Brassica rapa</i> (turnip)	Mexico	2			Tex.
<i>Capsicum annuum</i> (pepper)	do	229			Ariz., Tex.
<i>Lycopersicum esculentum</i> (tomato)	do	16			Ariz., Tex.
<i>Solanum melongena</i> (eggplant)	do	1			Ariz.
<i>Platypus australis</i> Chap. (Platypodidae):					
<i>Juglans</i> sp. (walnut)	Australia	2			Va.
<i>Platypus exaratus</i> Blandf. (Platypodidae):					
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	2			N. Y.
<i>Platypus poriferus</i> Chapuis (Platypodidae):					
<i>Guaiacum officinale</i> (lignumvitae)	do	1			Wash.
<i>Tabebuia donnell-smithii</i> (primavera)	do	1			N. Y.
<i>Platypus rugulosus</i> Chapuis (Platypodidae):					
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	3			La., N. Y.
<i>Podisus acutissimus</i> Stal (Pentatomidae):					
<i>Gardenia florida</i> (Cape-jasmine)	Mexico	1			Tex.

## List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive—Con.

Insect and host	Country of origin	Number of interceptions in—			Collected in—
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<i>Podisus rubromaculatus</i> Dist. (Pentatomidae):					
<i>Gardenia florida</i> (Cape-jasmine)	Mexico	1			Tex.
<i>Polymerus basalis</i> (Reut.) (Miridae):					
<i>Chrysanthemum maximum</i> (shasta daisy).	do	1			Tex.
<i>Chrysanthemum</i> sp.	do	1			Tex.
<i>Prairiana sidana</i> Ball (Cicadellidae):					
<i>Pisum sativum</i> (pea)	do	1			Ariz.
<i>Pronotacantha annulata</i> Uhl. (Neididae):					
<i>Capsicum annuum</i> (pepper)	do	1			Ariz.
<i>Zinnia</i> sp.	do	1			Ariz.
<i>Protopulvinaria pyriformis</i> (Ckll.) (Coccidae):					
<i>Gardenia florida</i> (Cape-jasmine)	Mexico, Venezuela	2			N. Y., Tex.
<i>Pseudaonidia clavigera</i> Ckll. (Coccidae):					
<i>Eugenia alba</i>	Hawaii			1	Calif.*
<i>Eugenia dombeyi</i> (grumixameira-tree)	do			1	Calif.*
<i>Hibiscus</i> sp.	do			1	Calif.*
<i>Myricaria</i> sp.	Canal Zone			1	D. C.
<i>Pseudaonidia duplex</i> (Ckll.) (Coccidae):					
<i>Azalea</i> sp.	Japan			1	Wash.
<i>Camellia japonica</i> (camellia)	do			6	Wash.
<i>Citrus aurantium</i> (sour orange)	do		2		Calif.,* Fla.*
<i>Citrus nobilis deliciosa</i> (Mandarin orange).	do	2			Wash.
<i>Corylopsis</i> sp.	do			1	Wash.
<i>Magnolia</i> sp.	do			2	Wash.
<i>Rhododendron</i> sp.	do			1	Wash.
<i>Styrax obassia</i> (fragrant snowball)	do			1	Calif.*
<i>Pseudaonidia paeoniae</i> (Ckll.) (Coccidae):					
<i>Azalea indica</i> (azalea)	do			3	Calif.,* Wash.
<i>Camellia japonica</i> (camellia)	do			2	Wash.
<i>Camellia sasanqua</i> (sasanqua tea)	do			1	Calif.*
<i>Pseudaonidia tesserata</i> (deCharm.) (Coccidae):					
<i>Hibiscus</i> sp.	Hawaii			2	Calif.*
<i>Panax</i> sp.	do			1	Calif.*
<i>Vitis</i> sp. (grape)	Haiti			1	N. J.
<i>Pseudaonidia trilobitiformis</i> (Green) (Coccidae):					
<i>Laurus nobilis</i> (Grecian laurel)	Brazil		1		N. Y.
<i>Pseudischnaspis alienus</i> (Newst.) (Coccidae):					
<i>Annona cherimola</i> (Jamaica apple)	Cuba		1		Fla.*
<i>Cattleya skinneri</i> (orchid)	Costa Rica			3	Calif.,* N. J.
<i>Cattleya skinneri alba</i>	do			1	N. J.
<i>Epidendrum macrocarpum</i> (orchid)	Canal Zone			1	Calif.*
<i>Epidendrum radicans</i>	do			1	Calif.*
<i>Oncidium altissimum</i> (orchid)	Guatemala			1	Calif.*
Orchid	Costa Rica, Mexico			2	N. J., Tex.
<i>Pseudischnaspis bowreyi</i> (Ckll.) (Coccidae):					
<i>Annona</i> sp.	Puerto Rico	1			N. Y.
<i>Epidendrum</i> sp. (orchid)	Guatemala			1	Calif.*
<i>Pseudococcus boninsis</i> (Kuw.) (Coccidae):					
<i>Iris</i> sp.	Bermuda			1	N. Y.
<i>Saccharum officinarum</i> (sugarcane)	Bahamas, Cuba, Mexico, Portugal.	6	1		Fla.,* N. Y., Tex.
<i>Pseudococcus gahani</i> (Green) (Coccidae):					
<i>Amygdalus persica nectarina</i> (nectarine).	Chile	2			N. Y.
<i>Pseudococcus lilacinus</i> Ckll. (Coccidae):					
<i>Phalaenopsis aphrodite</i> (orchid)	Philippines			1	Calif.*
<i>Phalaenopsis grandiflora</i>	do			1	Calif.*
<i>Phalaenopsis rosea</i>	do			1	Calif.*
<i>Renanthera storiei</i> (orchid)	do			1	Hawaii.*
<i>Vanda sanderiana</i> (orchid)	do			1	Hawaii.*
<i>Pseudococcus nipae</i> (Mask.) (Coccidae):					
<i>Odontoglossum</i> sp. (orchid)	Costa Rica			1	N. J.
<i>Pseudodiaspis yuccae</i> (Ckll.) (Coccidae):					
<i>Pachycereus pecten-aboriginum</i> (cactus).	Mexico			1	N. J.
<i>Pseudoparlatoria ostreata</i> (Ckll.) (Coccidae):					
<i>Carica papaya</i> (papaya)	Puerto Rico		1		Ga.

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<i>Psylliodes chrysocephala</i> L. (Chrysomelidae):					
<i>Brassica campestris</i> (rutabaga)	England		1		Pa.
<i>Brassica oleracea</i> (wild cabbage)	Portugal		1		N. Y.
<i>Brassica rapa</i> (turnip)	England		1		N. Y.
<i>Pteleobius vittatus</i> (F.) (Scolytidae):					
<i>Ulmus</i> sp. (elm)	do	1			N. Y.
<i>Ptinus huesanus</i> Fisher (Ptinidae):					
<i>Limonium</i> sp. (sea lavender)	Bahamas			1	N. Y.
<i>Ptinus tectus</i> Boisd. (Ptinidae):					
<i>Magnolia delavayi</i>	England			1	Wash.
<i>Magnolia soulangeana alba</i>	do			1	Wash.
<i>Ptychopoda bonifata</i> (Hlst.) (Geometridae):					
Medicinal herb	Mexico	1			Tex.
<i>Pulvinaria floccifera</i> (Westw.) (Coccidae):					
<i>Anthurium scherzerianum</i> (anthurium).	Japan			1	Hawaii.*
<i>Cymbidium</i> sp. (orchid)	England			3	D. C., N. J.
<i>Oncidium</i> sp. (orchid)	Costa Rica			2	N. J.
<i>Pulvinaria psidii</i> Mask. (Coccidae):					
<i>Chrysophyllum cainito</i> (star-apple)	Bahamas		1		Fla.*
<i>Gardenia florida</i> (Cape-jasmine)	Bahamas, Cuba	2			Fla.*
<i>Pittosporum</i> sp.	Cuba		1		Fla.*
<i>Puto mexicanus</i> Ckll. (Coccidae):					
<i>Cephalocereus senilis</i> (old-man cactus)	Mexico			2	Tex.
Orchid	do			1	Tex.
<i>Puto yuccae</i> (Coq.) (Coccidae):					
<i>Cereus marginatus</i> (cactus)	do			1	Tex.
<i>Echinofossulocactus pentacantha</i> (cactus).	do			1	Tex.
<i>Pyrausta nubilalis</i> (Hbn.) (Pyraustidae):					
<i>Zea mays</i> (corn)	Japan		3		Wash.
<i>Pyropus sapphirinus</i> Gyll. (Curculionidae):					
<i>Brassica</i> sp. (mustard)	Cuba	1			N. Y.
<i>Renocis mexicanus</i> Blekm. (Scolytidae):					
Wooden frame of leather chairs	Mexico	1			Tex.
Wood crating	do	4			Ariz.
<i>Rhagoletis pomonella</i> (Walsh) (Euribiidae):					
<i>Crataegus</i> sp. (red haw)	do	2			Tex.
<i>Malus sylvestris</i> (apple)	do	2			Tex.
<i>Rhinochenus stigma</i> L. (Curculionidae):					
<i>Hymenaea courbaril</i> (West Indian locust).	Trinidad		1		Ala.
<i>Rhipibruchus picturatus</i> (Fahr.) (Bruchidae):					
<i>Prosopis nigra</i>	Uruguay			1	N. J.
<i>Rhopalosiphoninus tulipaellus</i> (Theob.) (Aphidae):					
<i>Tulipa</i> sp.	Canada, England			7	N. Y., Wash.
<i>Rhynchites mexicanus</i> Boh. (Curculionidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Ribua innoxia</i> Hein. (Phycitidae):					
<i>Ananas sativus</i> (pineapple)	Cuba	56	4		La., N. Y.
<i>Romaleum rufulum</i> (Hald.) (Cerambycidae):					
<i>Prosopis</i> sp. (mesquite)	Mexico	1			Tex.
<i>Schoenobius bipunctiferus</i> (Wlk.) (Schoenobiidae):					
<i>Oryza sativa</i> (rice)	China		1		Tex.
<i>Scolopostethus decoratus</i> (Hahn) (Lygaeidae):					
Moss packing	England			1	N. J.
<i>Scolytus multistriatus</i> (Marsh.) (Scolytidae):					
<i>Ulmus</i> sp. (elm)	do	3			N. Y.
<i>Scolytus scolytus</i> (F.) (Scolytidae):					
<i>Ulmus</i> sp. (elm)	do	5			N. Y.
<i>Setomorpha insectella</i> (F.) (Tineidae):					
<i>Allium sativum</i> (garlic)	Mexico	3			Tex.
<i>Cephalocereus</i> sp. (cactus)	do			1	N. J.
<i>Dioscorea</i> sp. (yam)	Virgin Islands	1			N. Y.
<i>Eucharis</i> sp.	Barbados			1	N. J.
<i>Mammillaria haageana</i> (cactus)	Mexico			1	Calif.*

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<i>Sinoxylon anale</i> Lesne (Bostrichidae): <i>Derris scandens</i> (Malay jewel vine).....	British Malaya, Philip- pines.	3			N. Y.
Wood used as crate.....	French Indo-China, India.	2			N. Y.
<i>Sinoxylon conigerum</i> Gerst. (Bostrichidae): <i>Derris scandens</i> .....	Philippines.....	1			N. Y.
Wood.....	French Indo-China.....	1			N. Y.
<i>Sisamnes contractus</i> Dist. (Lygaeidae): <i>Ananas sativus</i> (pineapple).....	Mexico.....	5			Tex.
<i>Sitona lineata</i> L. (Curculionidae): <i>Acer palmatum dissectum</i> .....	Canada.....			1	Wash.
<i>Sixeonotus areolatus</i> Kngt. (Miridae): <i>Lactuca sativa</i> (lettuce).....	Mexico.....	1			Tex.
<i>Spragueia leo</i> (Gn.) (Phalaenidae): <i>Aralia chinensis mandshurica</i> .....	England.....			1	N. J.
<i>Stephanitis pyrioides</i> Scott (Tingitidae): <i>Azalea</i> sp.....	Japan.....		1		Wash.
<i>Stephanoderes buscki</i> Hopk. (Scolytidae): <i>Bertholletia nobilis</i> (Brazil nut).....	Brazil.....	1			N. Y.
<i>Stephanoderes guatemalensis</i> Hopk. (Scolytidae): <i>Moringa oleifera</i> (horseradish-tree).....	Dominican Republic.....			1	P. R.
<i>Stephanoderes hampei</i> Ferr. (Scolytidae): <i>Coffea</i> sp.....	Angola, British East Africa, Ethiopia, Por- tugal, Sumatra.	6			N. Y.
<i>Sternechus paludatus</i> Csy. (Curculioni- dae): <i>Phaseolus</i> sp. (string bean).....	Mexico.....	1			Ariz.
<i>Sternochetus mangiferae</i> (F.) (Curculioni- dae): <i>Mangifera indica</i> (mango).....	Hawaii, Philippines.....	2	2		Calif.*
<i>Stictocephala rotundata</i> Stal (Membraci- dae): <i>Brassica chinensis</i> (white greens).....	Cuba.....	1			N. Y.
<i>Strategus simson</i> L. (Scarabaeidae): <i>Musa</i> sp. (banana).....	Jamaica.....	1			Tex.
<i>Systema basalis</i> Duv. (Chrysomelidae): <i>Brassica chinensis</i> (white greens).....	Cuba.....	3			N. Y.
<i>Brassica oleracea acephala</i> (kale).....	do.....	1			N. Y.
<i>Brassica</i> sp. (mustard).....	do.....	3			N. Y.
<i>Chrysanthemum coronarium</i> (crown daisy).....	do.....	2			N. Y.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae): <i>Dianthus</i> sp. (carnation).....	Canada.....	1			Wash.
<i>Taeniothrips dianthi</i> Pr. (Thripidae): <i>Dianthus</i> sp. (carnation).....	Europe.....	1			N. Y.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae): <i>Calluna vulgaris</i> (heather).....	Scotland.....			1	N. Y.
<i>Taeniothrips fumosa</i> Tryb. (Thripidae): <i>Ornithogalum thyrsoides</i> (chinkerichee).....	Union of South Africa.....	1			Ill.
<i>Taeniothrips gracilis</i> Mlt. (Thripidae): <i>Lycoris</i> sp.....	Japan.....			1	Wash.
<i>Taeniothrips simplex</i> (Mor.) (Thripidae): <i>Dianthus</i> sp. (carnation).....	Mexico.....	1			Tex.
<i>Gladiolus</i> sp.....	do.....	11			Tex.
<i>Gypsophila paniculata</i> (babysbreath).....	do.....	2			Tex.
Orchid.....	Venezuela.....	1			Fla.*
<i>Polianthes tuberosa</i> (tuberose).....	Mexico.....	1			Tex.
<i>Rosa</i> sp.....	Cuba.....	1			Fla.*
<i>Taeniothrips xanthius</i> Hood (Thripidae): <i>Anthurium scherzerianum</i> (anthuri- um).....	Japan.....			1	Hawaii.*
<i>Targionia bromeliae</i> ("Newst." Leon.) (Coccidae): <i>Ananas bracteatus</i> .....	Brazil.....			1	Hawaii.*
<i>Ananas sativus</i> (pineapple).....	Azores, Cuba.....	7			Fla.*, N. Y.
<i>Targionia hartii</i> (Ckll.) (Coccidae): <i>Dioscorea</i> sp. (yam).....	American Virgin Islands, Barbados, Cuba, St. Vincent.	4	1		Fla.*, Mass., N. Y., P. R.
<i>Zingiber officinale</i> (ginger).....	St. Lucia.....	1			N. Y.
<i>Targionia sacchari</i> (Ckll.) (Coccidae): <i>Saccharum officinarum</i> (sugarcane).....	Bahamas, Cuba, Guate- mala, Puerto Rico, West Indies.	4	3		Fla.*, Mass., N. Y.

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<i>Teleonemia nigrina</i> Champ. (Tingitidae):					
<i>Chrysanthemum</i> sp.	Mexico	1			Tex.
<i>Nerium oleander</i> (oleander)	do	1			Tex.
<i>Teleonemia scrupulosa</i> Stal (Tingitidae):					
<i>Chrysanthemum</i> sp.	do	1			Tex.
<i>Rosa</i> sp.	do	1			Tex.
<i>Tenthecoris bicolor</i> Scott (Miridae):					
<i>Cattleya gigas</i> (orchid)	Colombia			1	Calif.*
<i>Cattleya lueddemanniana</i>	Venezuela			1	N. J.
<i>Cattleya</i> sp.	Brazil, Colombia, Venezuela.			9	N. J.
<i>Oncidium</i> sp. (orchid)	Guatemala			1	N. J.
Orchid	Brazil, Colombia, Venezuela.			6	N. J.
<i>Tesserocerus dejeani</i> Chapuis (Platypodiidae):					
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	2			N. Y.
<i>Tetraleurodes acaciae</i> (Q.) (Aleyrodidae):					
<i>Laurus nobilis</i> (Grecian laurel)	Mexico	1			Tex.
<i>Tetraleurodes mori</i> (Q.) (Aleyrodidae):					
<i>Citrus sinensis</i> (orange)	do	1			Ariz.
<i>Citrus</i> sp.	do	1			Ariz.
<i>Gardenia florida</i> (Cape-jasmine)	do	1			Tex.
<i>Hibiscus</i> sp.	do			1	Ariz.
<i>Lippia</i> sp.	do	1			Tex.
<i>Tetrapriocera longicornis</i> (Oliv.) (Bostrichidae):					
<i>Cedrus</i> sp. (cedar)	Honduras	1			N. Y.
<i>Thrips nigropilosus</i> Uzel (Thripidae):					
<i>Chrysanthemum</i> sp.	Canada	1			Hawaii.*
<i>Thyanta accerra</i> McA. (Pentatomidae):					
<i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Toxotrypana curvicauda</i> Gerst. (Euri-bidae):					
<i>Carica papaya</i> (papaya)	do	1			Tex.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane)	American Virgin Islands, Canal Zone, Cuba, Mexico, Tahiti.	5		2	Calif.*, D. C., N. Y., Tex.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Epidendrum ciliare</i> (orchid)	Canal Zone			1	N. J.
<i>Izora</i> sp.	British Honduras	1			Fla.*
Orchid	Canal Zone, Dominican Republic, Jamaica, Trinidad.			4	D. C., P. R.
<i>Xanthophthalma concinnum</i> Ckll. & Par. (Coccidae):					
<i>Cocos nucifera</i> (coconut)	Honduras		1		La.
<i>Xestocoris collinus</i> (Dist.) (Lygaeidae):					
<i>Cattleya bowringiana</i> (orchid)	Guatemala			1	N. J.
<i>Xyleborus affinis</i> Eichh. (Scolytidae):					
<i>Cedrus</i> sp. (cedar)	Honduras	1			N. Y.
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala	1			La.
<i>Theobroma</i> sp.	Brazil		1		N. Y.
<i>Xyleborus confusus</i> Eichh. (Scolytidae):					
<i>Tabebuia donnell-smithii</i> (primavera)	Guatemala, Mexico	8			La., N. Y.
<i>Xyleborus fuscatus</i> Eichh. (Scolytidae):					
<i>Cedrus</i> sp. (cedar)	Honduras	2			N. Y.
<i>Guaiacum officinale</i> (lignumvitae)	Canal Zone		1		N. Y.
<i>Tabebuia donnell-smithii</i> (primavera)	Mexico	1			N. Y.
<i>Xyleborus macer</i> Bldfd. (Scolytidae):					
<i>Tabebuia donnell-smithii</i>	Guatemala	3			La., N. Y.
<i>Xyleborus monigerus</i> Bldfd. (Scolytidae):					
<i>Dendrobium phalaenopsis</i> (orchid)	Australia			1	Calif.*
<i>Dendrobium spectabile</i>	do			1	Calif.*
<i>Xyleborus propinquus</i> Eichh. (Scolytidae):					
<i>Cedrela</i> sp.	Colombia	1			N. Y.
<i>Cedrus</i> sp. (cedar)	Honduras	2			N. Y.
<i>Citrus aurantifolia</i> (lime)	Mexico	1			Tex.
<i>Lycopersicum esculentum</i> (tomato)	do	1			Tex.
<i>Swietenia mahogani</i> (mahogany)	Guatemala	1			La.
<i>Xylothrips flavipes</i> (Ill.) (Bostrichidae):					
Wooden case with guttapercha	Java	3			Mass.

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<i>Zabrotes subfasciatus</i> (Boh.) (Bruchidae):					
<i>Ananas sativus</i> (pineapple)	Cuba	1			La.
Bean	Brazil, Honduras, Mexico.	79	4		La., N. Y., Tex.
<i>Chrysanthemum</i> sp.	Mexico	3			Tex.
<i>Lycopersicum esculentum</i> (tomato)	do	1			Tex.
<i>Oryza sativa</i> (rice)	do	1			Tex.
<i>Phaseolus lunatus macrocarpus</i> (Lima bean).	Cuba			3	Calif.*
<i>Phaseolus vulgaris</i>	Brazil			1	D. C.
<i>Phaseolus</i> sp. (string bean)	Mexico	1			Ariz.
<i>Tagetes</i> sp. (marigold)	do	1			Tex.
<i>Vigna sinensis</i> (cowpea)	Brazil			1	D. C.
<i>Zea mays</i> (corn)	Mexico	5			Tex.
<i>Zinnia</i> sp.	do	1			Tex.

### Hosts and insects

#### ABIES:

*Chermes nusslini* (Homoptera)

#### ACACIA:

*Acanthoscelides sallaei* (Coleoptera)

#### ACER:

*Parlatoria theae* (Homoptera)

*Sitona lineata* (Coleoptera)

#### ACHRAS:

*Coccus viridis* (Homoptera)

#### AGARICUS:

*Nemapogon granella* (Lepidoptera)

#### AGLAONEMA:

*Endrosis lacteella* (Lepidoptera)

#### ALLIUM CEPA:

*Aeolus dorsalis* (Coleoptera)

*Callosobruchus maculatus* (Coleoptera)

*Draeculacephala minerva* (Hemiptera)

*Epilachna varivestis* (Coleoptera)

*Helichus productus* (Coleoptera)

#### ALLIUM SATIVUM:

*Exptochiomea fuscicornis* (Hemiptera)

*Ligyrocoris nitidulus* (Hemiptera)

*Setomorpha insectella* (Lepidoptera)

#### ALTHAEA:

*Frankliniella fortissima* (Thysanoptera)

#### ALYXIA:

*Ceroplastes rubens* (Homoptera)

#### AMARYLLIS:

*Anaphothrips orchidii* (Thysanoptera)

#### AMYGDALUS COMMUNIS:

*Aspidiotus destructor* (Homoptera)

#### AMYGDALUS PERSICA:

*Anastrepha ludens* (Diptera)

*Conotrachelus nenuphar* (Coleoptera)

*Conotrachelus seniculus* (Coleoptera)

#### AMYGDALUS PERSICA NECTARINA:

*Endrosis lacteella* (Lepidoptera)

*Pseudococcus gahani* (Homoptera)

#### ANANAS:

*Acroleucus vicinalis* (Hemiptera)

*Alpheias conspinata* (Lepidoptera)

*Clerada apicicornis* (Hemiptera)

*Cossonus excavatus* (Coleoptera)

*Drasterius cribratus* (Coleoptera)

*Iridomyrmex humilis* (Hymenoptera)

*Kaloterms minor* (Isoptera)

*Ligyrocoris litigiosus* (Hemiptera)

*Ligyrocoris nitidicollis* (Hemiptera)

*Ribua innoxia* (Lepidoptera)

*Sisamnes contractus* (Hemiptera)

*Targionia bromeliae* (Homoptera)

*Zabrotes subfasciatus* (Coleoptera)

#### ANNONA:

*Aspidiotus destructor* (Homoptera)

*Pseudischnaspis alienus* (Homoptera)

*Pseudischnaspis bowreyi* (Homoptera)

#### ANTHURIUM:

*Ceroplastes rubens* (Homoptera)

*Pulvinaria floccifera* (Homoptera)

*Taeniothrips xanthius* (Thysanoptera)

#### ANTIRRHINUM:

*Allocoris incognita* (Hemiptera)

*Cyrtopeltis tenuis* (Hemiptera)

*Frankliniella fortissima* (Thysanoptera)

*Frankliniella insularis* (Thysanoptera)

*Phenacoccus gossypii* (Homoptera)

#### APIUM:

*Anuraphis apiifolia* (Homoptera)

*Philophylla heraclei* (Diptera)

#### ARALIA:

*Spragueia leo* (Lepidoptera)

#### ARUNDINARIA:

*Antonina crawii* (Homoptera)

*Antonina tobai* (Homoptera)

*Chionaspis elongata* (Homoptera)

*Kuwanaspis pseudoleucaspis* (Homoptera)

*Kuwanaspis vermiformis* (Homoptera)

*Odonaspis penicillata* (Homoptera)

#### ASTER:

*Haplothrips gowdeyi* (Thysanoptera)

#### ASTROPHYTUM—See Cactaceae

#### ATTALEA:

*Aspidiotus spinosus* (Homoptera)

#### AUCUBA:

*Aspidiotus destructor* (Homoptera)

#### AZALEA:

*Gracilaria azaleella* (Lepidoptera)

*Pseudaonidia duplex* (Homoptera)

*Pseudaonidia paeoniae* (Homoptera)

*Stephanitis pyrioides* (Hemiptera)

#### BAMBOO:

*Asterolecanium miliaris longum* (Homoptera)

*Formosaspis formosanus* (Homoptera)

*Heterobostrychus aequalis* (Coleoptera)

*Laetotmetus rhizophagoides* (Coleoptera)

*Lyctozyton japonum* (Coleoptera)

*Myocalandra discors* (Coleoptera)

#### BAMBUSA:

*Antonina crawi* (Homoptera)

*Asterolecanium bambusae* (Homoptera)

*Asterolecanium bambusicola* (Homoptera)

*Asterolecanium miliaris* (Homoptera)

*Chaetococcus bambusae* (Homoptera)

*Odonapis greeni* (Homoptera)

*Odonaspis penicillata* (Homoptera)

#### BANANA DEBRIS:

*Metamasius sericeus* (Coleoptera)

*Metamasius sericeus carbonarius* (Coleoptera)

#### BEAN:

*Callosobruchus chinensis* (Coleoptera)

*Zabrotes subfasciatus* (Coleoptera)

#### BERBERIS:

*Liosomaphis berberidis* (Homoptera)

*Hosts and insects—Continued*

- BERTHOLLETIA:**  
*Stephanoderes buscki* (Coleoptera)
- BETA VULGARIS:**  
*Brochymena sulcata* (Hemiptera)  
*Hyphantria textor* (Lepidoptera)
- BETA VULGARIS CICLA:**  
*Caulotops agavis* (Hemiptera)  
*Conotrachelus seniculus* (Coleoptera)  
*Empoasca abrupta* (Hemiptera)  
*Epilachna varivestis* (Coleoptera)  
*Phyllotreta pusilla* (Coleoptera)
- BRASSAVOLA**—See Orchidaceae
- BRASSIA**—See Orchidaceae
- BRASSICA ALBA:**  
*Cyrtopeltis varians* (Hemiptera)  
*Hellula phidilealis* (Lepidoptera)
- BRASSICA CAMPESTRIS:**  
*Ceutorhynchus pleurostigma* (Coleoptera)  
*Psylliodes chrysocephala* (Coleoptera)
- BRASSICA CHINENSIS:**  
*Ceratocapsus cubanus* (Hemiptera)  
*Cyrtopeltis tenuis* (Hemiptera)  
*Hellula phidilealis* (Lepidoptera)  
*Liriomyza flaveola* (Diptera)  
*Nysius expressus* (Hemiptera)  
*Orthaea scutellata* (Hemiptera)  
*Ozophora burmeisteri* (Hemiptera)  
*Phyllotreta vittata discedens* (Coleoptera)  
*Stictocephala rotundata* (Hemiptera)  
*Systema basalis* (Coleoptera)
- BRASSICA OLERACEA:**  
*Psylliodes chrysocephala* (Coleoptera)
- BRASSICA OLERACEA ACÉPHALA:**  
*Hellula phidilealis* (Lepidoptera)  
*Liriomyza flaveola* (Diptera)  
*Systema basalis* (Coleoptera)
- BRASSICA OLERACEA BOTRYTIS:**  
*Pionea forficalis* (Lepidoptera)
- BRASSICA OLERACEA CAPITATA:**  
*Barathra brassicae* (Lepidoptera)  
*Eumecosomyia nubila* (Diptera)  
*Hellula undalis* (Lepidoptera)  
*Metriona profligata* (Coleoptera)  
*Nabis punctipennis* (Hemiptera)
- BRASSICA RAPA:**  
*Catorhintha guttula* (Hemiptera)  
*Ceratocapsus punctulatus* (Hemiptera)  
*Ceutorhynchus pleurostigma* (Coleoptera)  
*Cyrtopeltis varians* (Hemiptera)  
*Dactylosternum abdominale* (Coleoptera)  
*Hellula phidilealis* (Lepidoptera)  
*Hyphantria textor* (Lepidoptera)  
*Nabis alternata* (Hemiptera)  
*Nysius minutus* (Hemiptera)  
*Nysius monticola* (Hemiptera)  
*Phyllotreta pusilla* (Coleoptera)  
*Platynota stultana* (Lepidoptera)  
*Psylliodes chrysocephala* (Coleoptera)
- BRASSICA SP. (mustard)**  
*Conoderus bifoveatus* (Coleoptera)  
*Cymoninus notabilis* (Hemiptera)  
*Cyrtopeltis tenuis* (Hemiptera)  
*Cyrtopeltis varians* (Hemiptera)  
*Deloyala lecontei* (Coleoptera)  
*Draeculacephala minerva* (Hemiptera)  
*Euphrytus parvicollis* (Coleoptera)  
*Geocoris sonoraensis* (Hemiptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Hellula phidilealis* (Lepidoptera)  
*Hellula undalis* (Lepidoptera)  
*Hyphantria textor* (Lepidoptera)  
*Iridomyrmex humilis* (Hymenoptera)  
*Leucopocila albofasciata* (Hemiptera)  
*Liriomyza flaveola* (Coleoptera)  
*Lygus elisus* (Hemiptera)  
*Lygus hesperius* (Hemiptera)  
*Nabis alternatus* (Hemiptera)  
*Nysius minutus* (Hemiptera)  
*Phlepsius distinctus* (Hemiptera)  
*Phyllotreta pusilla* (Coleoptera)  
*Phyllotreta vittata discedens* (Coleoptera)  
*Pyropus sapphirinus* (Coleoptera)  
*Systema basalis* (Coleoptera)
- BROMELIAD:**  
*Gymnaspis aechmeae* (Homoptera)
- CACTACEAE:**  
*Amphicerus cornutus* (Coleoptera)  
*Calymmaderus oblongus* (Coleoptera)  
*Chelinidea canyoni* (Hemiptera)  
*Chelinidea vittiger aequoris* (Hemiptera)
- CACTACEAE—Continued.**  
*Lepidosaphes philococcus* (Homoptera)  
*Ligyrocoris nitidicollis* (Hemiptera)  
*Pseudodiaspis yuccae* (Homoptera)  
*Puto mexicanus* (Homoptera)  
*Puto yuccae* (Homoptera)  
*Setomorpha insectella* (Lepidoptera)
- CAESALPINIA CORIARIA:**  
*Acanthoscelides dominicanus* (Coleoptera)
- CAJANUS:**  
*Acanthoscelides armitagei* (Coleoptera)  
*Callosobruchus chinensis* (Coleoptera)
- CALAMUS:**  
*Dinoderus bifoveolatus* (Coleoptera)
- CALLUNA:**  
*Corcyra cephalonica* (Lepidoptera)  
*Micrelus ericae* (Coleoptera)  
*Taeniothrips ericae* (Thysanoptera)
- CAMELLIA:**  
*Aspidiotus degeneratus* (Homoptera)  
*Ceroplastes ceriferus* (Homoptera)  
*Ceroplastes floridensis* (Homoptera)  
*Ceroplastes rubens* (Homoptera)  
*Lepidosaphes camelliae* (Homoptera)  
*Parlatoria camelliae* (Homoptera)  
*Pseudaonidia duplex* (Homoptera)  
*Pseudaonidia paeoniae* (Homoptera)
- CANAVALIA:**  
*Cosmolyce boeticus* (Lepidoptera)
- CAPSICUM:**  
*Dikraneura kunzei* (Hemiptera)  
*Draeculacephala portola* (Hemiptera)  
*Euxesta stigmatias* (Diptera)  
*Faustinus cubae* (Coleoptera)  
*Gnorimoschema gudmannella* (Lepidoptera)  
*Hyphantria textor* (Lepidoptera)  
*Lorita abornana chatka* (Lepidoptera)  
*Mozena lunata* (Hemiptera)  
*Platynota rostrana* (Lepidoptera)  
*Platynota stultana* (Lepidoptera)  
*Pronotacantha annulata* (Hemiptera)
- CARICA:**  
*Aspidiotus destructor* (Homoptera)  
*Morganella longispina* (Homoptera)  
*Pseudoparlatoria ostreata* (Homoptera)  
*Toxotrypana curvicauda* (Diptera)
- CASIMIROA:**  
*Anastrepha ludens* (Diptera)
- CASSIA:**  
*Aganectesis indecora* (Lepidoptera)  
*Phelomerus aberrans* (Coleoptera)  
*Phormesium virgulatum* (Coleoptera)
- CASTANEA:**  
*Laspeyresia splendana* (Lepidoptera)
- CATTLEYA**—See Orchidaceae
- CEDRELA:**  
*Xyleborus propinquus* (Coleoptera)
- CEDRUS:**  
*Brentus mexicanus* (Coleoptera)  
*Dactylosternum abdominale* (Coleoptera)  
*Hypsipyla grandella* (Lepidoptera)  
*Tetrapriocera longicornis* (Coleoptera)  
*Xyleborus affinis* (Coleoptera)  
*Xyleborus fuscatus* (Coleoptera)  
*Xyleborus propinquus* (Coleoptera)
- CELOSIA:**  
*Exptochiomera fuscicornis* (Hemiptera)
- CENTAUREA:**  
*Geocnethus semilevis* (Hemiptera)
- CEPHALOCEREUS**—See Cactaceae
- CHENOPODIUM:**  
*Epicauta pardalis* (Coleoptera)  
*Glyptina atriventris* (Coleoptera)  
*Hyalopterus atriplicis* (Homoptera)
- CHRYSANTHEMUM:**  
*Aeolus dorsalis* (Coleoptera)  
*Amorbia emigratella* (Lepidoptera)  
*Anacentrinus deplanatus* (Coleoptera)  
*Chaetopsis fulvifrons* (Diptera)  
*Corythucha morrilli* (Hemiptera)  
*Cymoninus notabilis* (Hemiptera)  
*Empoasca abrupta* (Hemiptera)  
*Entylia sinuata* (Hemiptera)  
*Exptochiomera minima* (Hemiptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Geocnethus semilevis* (Hemiptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Iridomyrmex pruinosus* (Hymenoptera)  
*Ligyrocoris aurivilliana* (Hemiptera)  
*Ligyrocoris setosus* (Hemiptera)

## Hosts and insects—Continued

## CHRYSANTHEMUM—Continued.

- Nabis alternatus* (Hemiptera)  
*Ollarianus strictus* (Hemiptera)  
*Phenacoccus gossypii* (Homoptera)  
*Polymerus basalis* (Hemiptera)  
*Systema basalis* (Coleoptera)  
*Teleonemia nigrina* (Hemiptera)  
*Teleonemia scrupulosa* (Hemiptera)  
*Thrips nigropilosus* (Thysanoptera)  
*Zabrotes subfasciatus* (Coleoptera)

## CHRYSOPHYLLUM:

- Asterolecanium pustulans* (Homoptera)  
*Pulvinaria psidii* (Homoptera)

## CICER:

- Callosobruchus chinensis* (Coleoptera)  
*Callosobruchus maculatus* (Coleoptera)  
*Caulophilus latinasus* (Coleoptera)

## CITRUS AURANTIFOLIA:

- Aleurocanthus woglumi* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Gnathotrichus consentaneus* (Coleoptera)  
*Parlatoria cinerea* (Homoptera)  
*Parlatoria ziziphus* (Homoptera)  
*Xyleborus propinquus* (Coleoptera)

## CITRUS AURANTIUM:

- Aleurocanthus woglumi* (Homoptera)  
*Dialeurodes citri* (Homoptera)  
*Pseudaonidia duplex* (Homoptera)

## CITRUS GRANDIS:

- Anastrepha fraterculus* (Diptera)  
*Anastrepha ludens* (Diptera)  
*Anastrepha serpentina* (Diptera)  
*Anastrepha suspensa* (Diptera)  
*Parlatoria ziziphus* (Homoptera)

## CITRUS LIMETTA:

- Anastrepha ludens* (Diptera)

## CITRUS LIMONIA:

- Aleurothrixus howardi* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)

## CITRUS NOBILIS DELICIOSA:

- Ceratitis capitata* (Diptera)  
*Chionaspis yanonensis* (Homoptera)  
*Chrysomphalus bifasciculatus* (Homoptera)  
*Parlatoria ziziphus* (Homoptera)  
*Pseudaonidia duplex* (Homoptera)

## CITRUS SINENSIS:

- Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Chionaspis yanonensis* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Dialeurodes citri* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*Tetraleurodes mori* (Homoptera)

## CITRUS SP.:

- Dialeurodes citrifolii* (Homoptera)  
*Frankliniella cubensis* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Parlatoria cinerea* (Homoptera)  
*Tetraleurodes mori* (Homoptera)

## COCOS:

- Aspidiotus destructor* (Homoptera)  
*Ceroplastes rubens* (Homoptera)  
*Xanthophthalma concinnum* (Homoptera)

## CODIAEUM:

- Lepidosaphes lasianthi* (Homoptera)  
*Parlatoria crotonis* (Homoptera)

## COFFEA:

- Ceratitis capitata* (Diptera)  
*Coccus viridis* (Homoptera)  
*Leucoptera coffeella* (Lepidoptera)  
*Stephanoderes hampei* (Coleoptera)

## CORDYLINE:

- Aonidiella inornata* (Homoptera)

## CORIANDRUM:

- Liriomyza flaveola* (Diptera)  
*Platynota rostrana* (Lepidoptera)  
*Phyllotreta vittata discedens* (Coleoptera)

## CORYLOPSIS:

- Pseudaonidia duplex* (Homoptera)

## CRATAEGUS:

- Rhagoletis pomonella* (Diptera)

## CRINUM:

- Haplothrips gowdeyi* (Thysanoptera)

## CUCURBITA:

- Eumecosomyia nubila* (Diptera)  
*Ligyrocoris abdominalis* (Hemiptera)

## CYDONIA:

- Aastrepha ludens* (Diptera)

## CYMBIDIUM—See Orchidaceae

## CYPRIPIEDIUM—See Orchidaceae

## DAHLIA:

- Centrinaspis picumnus* (Coleoptera)  
*Ollarianus strictus* (Hemiptera)  
*Onychobaris ambigua* (Coleoptera)

## DAISY:

- Frankliniella fortissima* (Thysanoptera)  
*Frankliniella insularis* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)

## DAUCUS:

- Amphicerus cornutus* (Coleoptera)  
*Brochymena sulcata* (Hemiptera)  
*Corythucha morrilli* (Hemiptera)  
*Draeculacephala minerva* (Hemiptera)  
*Empoasca abrupta* (Hemiptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Hyphantria textor* (Lepidoptera)  
*Phyllotreta pusilla* (Coleoptera)

## DELPHINIUM:

- Frankliniella fortissima* (Thysanoptera)  
*Opsius stactogalus* (Hemiptera)

## DENDROBIUM—See Orchidaceae

## DERRIS:

- Dinoderus bifoveolatus* (Coleoptera)  
*Sinoxylon anale* (Coleoptera)  
*Sinoxylon conigerum* (Coleoptera)

## DIANTHUS:

- Brachyrhinus ovatus* (Coleoptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Haplothrips cottei* (Thysanoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Taeniothrips dianthi* (Thysanoptera)  
*Taeniothrips simplex* (Thysanoptera)

## DIGITARIA:

- Antonina indica* (Homoptera)

## DIOCLEA:

- Cosmolyce boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)

## DIOSCOREA:

- Palaeopus costicollis* (Coleoptera)  
*Setomorpha insectella* (Lepidoptera)  
*Targionia hartii* (Homoptera)

## DIOSPYROS:

- Corcyra cephalonica* (Lepidoptera)  
*Phaedon incertum* (Coleoptera)

## DOMBEYA:

- Pinnaspis minor strachani* (Homoptera)

## ENCEPHALARTOS:

- Diaspis zamiae* (Homoptera)

## EPIDENDRUM—See Orchidaceae

## ERIOBOTRYA

- Lepidosaphes conchiformis* (Homoptera)

## EUCHARIS:

- Setomorpha insectella* (Lepidoptera)

## EUGENIA:

- Aonidiella eugeniae* (Homoptera)  
*Asterolecanium pustulans* (Homoptera)  
*Chrysomphalus rossi* (Homoptera)  
*Neoclytus cacicus* (Coleoptera)  
*Pseudaonidia clavigera* (Homoptera)

## EUPHORIA:

- Pinnaspis minor strachani* (Homoptera)

## FICUS:

- Amphicerus cornutus* (Coleoptera)  
*Ceratitis capitata* (Diptera)  
*Ceroplastes rusci* (Homoptera)  
*Gynaikothrips uzeli* (Thysanoptera)

## FRAGARIA:

- Conotrachelus leucophaeatus* (Coleoptera)  
*Exptochiomeria oblonga* (Hemiptera)  
*Ligyrocoris aurivilliana* (Hemiptera)  
*Ligyrocoris nitidicollis* (Hemiptera)  
*Orthaea scutellata* (Hemiptera)

## FRAXINUS:

- Leperisinus fraxini* (Coleoptera)

## FUCHSIA:

- Brachyrhinus armadillo* (Coleoptera)

## GARDENIA:

- Acroleucus tullus* (Hemiptera)  
*Ceroplastes floridensis* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Draeculacephala portola* (Hemiptera)  
*Euphalerus nidifex* (Hemiptera)  
*Euryophthalmus bipustulatus* (Hemiptera)  
*Frankliniella cephalica* (Thysanoptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Metriona erratica* (Coleoptera)  
*Podisus acutissimus* (Hemiptera)  
*Podisus rubromaculatus* (Hemiptera)  
*Protospulvinaria pyriformis* (Homoptera)



*Hosts and insects—Continued***GARDENIA—Continued.**

*Pulvinaria psidii* (Homoptera)  
*Tetraleurodes mori* (Homoptera)

**GERBERIA:**

*Frankliniella insularis* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)

**GINKGO:**

*Homona menciana* (Lepidoptera)

**GLADIOLUS:**

*Frankliniella fortissima* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Taeniothrips simplex* (Thysanoptera)

**GOSSYPIUM:**

*Corcyra cephalonica* (Lepidoptera)  
*Onthophagus marginatus* (Coleoptera)  
*Pectinophora gossypiella* (Lepidoptera)

**GUAIAECUM:**

*Laemophloeus iteratus* (Coleoptera)  
*Neoclytus cacicus* (Coleoptera)  
*Platypus poriferus* (Coleoptera)  
*Xyleborus fuscatus* (Coleoptera)

**GYPSOPHILA:**

*Ligyrocorys nitidicollis* (Hemiptera)  
*Taeniothrips simplex* (Thysanoptera)

**HAWORTHIA:**

*Hercinothrips dimidiatus* (Thysanoptera)

**HELLEBORUS:**

*Limothrips denticornis* (Thysanoptera)  
*Phyllotreta atra* (Coleoptera)

**HIBISCUS:**

*Asterolecanium pustulans* (Homoptera)  
*Crociosema plbeiana* (Lepidoptera)  
*Pealius hibisci* (Homoptera)  
*Pectinophora gossypiella* (Lepidoptera)  
*Pseudaonidia clavigera* (Homoptera)  
*Pseudaonidia tessarata* (Homoptera)  
*Tetraleurodes mori* (Homoptera)

**HYMENAEA:**

*Rhinococcus stigma* (Coleoptera)

**INDOCALAMUS:**

*Antonina crawi* (Homoptera)

**IPOMOEA:**

*Cylas formicarius* (Coleoptera)  
*Cylas puncticollis* (Coleoptera)  
*Cylas turcipennis* (Coleoptera)  
*Euscapes postfasciatus* (Coleoptera)  
*Euxesta notata* (Diptera)  
*Palaeopus costicollis* (Coleoptera)

**IRIS:**

*Frankliniella fortissima* (Thysanoptera)  
*Pseudococcus boninsis* (Homoptera)

**IXORA:**

*Vinsonia stellifera* (Homoptera)

**JASMINUM:**

*Frankliniella cubensis* (Thysanoptera)

**JUGLANS:**

*Brontes australis* (Coleoptera)  
*Platypus australis* (Coleoptera)

**JUNIPERUS:**

*Lepidosaphes pallida* (Homoptera)

**LACTUCA:**

*Atheas fuscipes* (Hemiptera)  
*Baldulus elimatus* (Hemiptera)  
*Colecerus marmoratus* (Coleoptera)  
*Corythucha morrilli* (Hemiptera)  
*Delphacodes koebelei* (Hemiptera)  
*Draeculacephala balli* (Hemiptera)  
*Draeculacephala minerva* (Hemiptera)  
*Draeculacephala portola* (Hemiptera)  
*Empoasca fabae* (Hemiptera)  
*Empoasca phaseola* (Hemiptera)  
*Empoasca solana* (Hemiptera)  
*Epilachna varivestis* (Coleoptera)  
*Eumecomyia nubila* (Diptera)  
*Feltia subterranea* (Lepidoptera)  
*Leucopoecila albofasciata* (Hemiptera)  
*Ligyrocorys aurivilliana* (Hemiptera)  
*Ligyrocorys nitidulus* (Hemiptera)  
*Lygaeus lateralis* (Hemiptera)  
*Lygus championi* (Hemiptera)  
*Lygus sallei* (Hemiptera)  
*Macrosteles divisus* (Hemiptera)  
*Naucles pusio* (Coleoptera)  
*Phlepsius distinctus* (Hemiptera)  
*Placosternus crinicornis* (Coleoptera)  
*Rhynchites mexicanus* (Coleoptera)  
*Sixeonotus areolatus* (Hemiptera)  
*Thyanta accerra* (Hemiptera)

**LARIX:**

*Echinocnemus bipunctatus* (Coleoptera)

**LATHYRUS:**

*Bruchus affinis* (Coleoptera)  
*Bruchus tristiculus* (Coleoptera)  
*Frankliniella fortissima* (Thysanoptera)

**LAURUS:**

*Aonidia lauri* (Homoptera)  
*Aspidiotus spinosus* (Homoptera)  
*Homalodisca triquetra* (Hemiptera)  
*Inglisia vitrea* (Homoptera)  
*Pseudaonidia trilobitiformis* (Homoptera)  
*Tetraleurodes acaciae* (Homoptera)

**LENS:**

*Bruchus lentis* (Coleoptera)

**LILIUM:**

*Callidium rufipenne* (Coleoptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Liothrips vaneeckei* (Thysanoptera)  
*Phenacoccus gossypii* (Homoptera)

**LIMONIUM:**

*Ptinus huesanus* (Coleoptera)

**LINGNANIA:**

*Chaetococcus bambusae* (Homoptera)

**LINUM:**

*Aleyrodes spiraeoides* (Homoptera)

**LIPPIA:**

*Tetraleurodes mori* (Homoptera)

**LITCHI:**

*Fiorinia nephelii* (Homoptera)

**LONCHOCARPUS:**

*Dinoderus bisoveolatus* (Coleoptera)

**LYCASTE—See Orchidaceae****LYCOPERSICUM:**

*Amorbia emigratella* (Lepidoptera)  
*Auseius impressicollis* (Hemiptera)  
*Cossonus canaliculatus* (Coleoptera)  
*Exptochiomeria minima* (Hemiptera)  
*Forsebia perlaeta* (Lepidoptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Gnathotrichus denticulatus* (Coleoptera)  
*Keiferia lycopersicella* (Lepidoptera)  
*Lineodes integra* (Lepidoptera)  
*Lorita abornana chatka* (Lepidoptera)  
*Lygaeus lateralis* (Hemiptera)  
*Platynota stultana* (Lepidoptera)  
*Xyleborus propinquus* (Coleoptera)  
*Zabrotes subsociatus* (Coleoptera)

**LYCORIS:**

*Taeniothrips gracilis* (Thysanoptera)

**MAGNOLIA:**

*Ceroplastes rubens* (Homoptera)  
*Neolecanium cornuparvum* (Homoptera)  
*Pseudaonidia duplex* (Homoptera)  
*Ptinus tectus* (Coleoptera)

**MALUS:**

*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Epidiaspis piricola* (Homoptera)  
*Grapholitha molesta* (Lepidoptera)  
*Lepidosaphes conchiformis* (Homoptera)  
*Parlatoria oleae* (Homoptera)  
*Rhagoletis pomonella* (Diptera)

**MALVA:**

*Apion longirostre* (Coleoptera)

**MALVAVISCUS:**

*Euryophthalmus bipustulatus* (Hemiptera)  
*Hypselonotus fulvus* (Hemiptera)

**MAMMEA:**

*Anastrepha serpentina* (Diptera)  
*Aspidiotus spinosus* (Homoptera)

**MANGIFERA:**

*Anastrepha ludens* (Diptera)  
*Anastrepha mombinpraeoptans* (Diptera)  
*Anastrepha serpentina* (Diptera)  
*Aulacaspis mangiferae* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Icerya seychellarum* (Homoptera)  
*Leucaspis indica* (Homoptera)  
*Phenacaspis eugeniae* (Homoptera)  
*Sternonchetus mangiferae* (Coleoptera)

**MAXILLARIA—See Orchidaceae****MEDICAGO:**

*Artipus floridanus* (Coleoptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Liriomyza flaveola* (Diptera)

**MENTHA:**

*Corizus punctatus* (Hemiptera)

## Hosts and insects—Continued

- MORINGA:**  
*Stephanoaeres guatemalensis* (Coleoptera)
- MYRICARIA:**  
*Pseudaonidia clavigera* (Homoptera)
- MYRTILLOCACTUS**—See Cactaceae
- MUSA PARADISIACA:**  
*Platynota rostrana* (Lepidoptera)
- MUSA:**  
*Aspidiotus destructor* (Homoptera)  
*Aspidiotus palmarum* (Homoptera)  
*Ceratopus bisignatus* (Coleoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Conotrachelus flavangulus* (Coleoptera)  
*Deloyala guttata* (Coleoptera)  
*Metamasius sericeus* (Coleoptera)  
*Strategus simson* (Coleoptera)
- NARCISSUS:**  
*Enarosia lacteella* (Lepidoptera)
- NERIUM:**  
*Asterolecanium pustulans* (Homoptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Haplothrips gowaeyi* (Thysanoptera)  
*Morganella longispina* (Homoptera)  
*Teleonemia nigra* (Hemiptera)
- ODONTOGLOSSUM**—See Orchidaceae
- ONCIDIUM**—See Orchidaceae
- ORBIGNYA:**  
*Pachymerus olearius* (Coleoptera)
- ORCHIDACEAE:**  
*Acroleucus vicinalis* (Hemiptera)  
*Anaphothrips orchidaceus* (Thysanoptera)  
*Aspidiotus coryphae* (Homoptera)  
*Aspidiotus destructor* (Homoptera)  
*Aspidiotus palmarum* (Homoptera)  
*Asterolecanium aureum* (Homoptera)  
*Cacoscelis scriptipennis* (Coleoptera)  
*Calymmus cucullatus* (Coleoptera)  
*Chrysomphalus alienus* (Homoptera)  
*Chrysomphalus bififormis* (Homoptera)  
*Chrysomphalus rossi* (Homoptera)  
*Clerada apicicornis* (Hemiptera)  
*Cligenes picturata* (Hemiptera)  
*Conchaspis araei* (Homoptera)  
*Eucalandra setulosa* (Coleoptera)  
*Eurycipitia vestitus* (Hemiptera)  
*Eurytoma orchidearum* (Hymenoptera)  
*Exptochiomera oblonga* (Hemiptera)  
*Fulvius quadrastillatus* (Hemiptera)  
*Furcaspis bififormis* (Homoptera)  
*Geocnethus nigrocinctus* (Hemiptera)  
*Halisidota inexpectata* (Lepidoptera)  
*Hercinotrips errans* (Thysanoptera)  
*Hercinotrips femoralis* (Thysanoptera)  
*Iridomyrmex iniquus nigella* (Hymenoptera)  
*Iridomyrmex melleus* (Hymenoptera)  
*Iridomyrmex melleus* var. (Hymenoptera)  
*Lecaniodiaspis dendrobii* (Homoptera)  
*Lepidosaphes tuberculata* (Homoptera)  
*Leucaspis cockerelli* (Homoptera)  
*Ligyrocoris nitidicollis* (Hemiptera)  
*Mordellistena cattleyana* (Coleoptera)  
*Mordellistena chapini* (Coleoptera)  
*Mormidea collaris* (Hemiptera)  
*Myochrous denticollis* (Coleoptera)  
*Nasutitermes cornigera* (Isoptera)  
*Orchidophilus aterrimus* (Coleoptera)  
*Ozophora gracilipes* (Hemiptera)  
*Paragonatus divergens* (Hemiptera)  
*Parallelodiplosis cattleyae* (Diptera)  
*Parlatoria pseudaspidiotus* (Homoptera)  
*Pinnaspis townsendi* (Homoptera)  
*Plagioderma thymaloidea* (Coleoptera)  
*Pseudischnaspis alienus* (Homoptera)  
*Pseudischnaspis boureyi* (Homoptera)  
*Pseudococcus lilacinus* (Homoptera)  
*Pseudococcus nipae* (Homoptera)  
*Pulvinaria floccifera* (Homoptera)  
*Puto mexicanus* (Homoptera)  
*Taeniothrips simplex* (Thysanoptera)  
*Tenthoris bicolor* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)  
*Xestocoris collinus* (Hemiptera)  
*Xyleborus monigerus* (Coleoptera)
- ORNITHOGALUM:**  
*Frankliniella schultzei* (Thysanoptera)  
*Taeniothrips fumosa* (Thysanoptera)
- ORYZA:**  
*Chilo simplex* (Lepidoptera)  
*Corcyra cephalonica* (Lepidoptera)  
*Schoenobius bipunctiferus* (Lepidoptera)  
*Zabrotes subfasciatus* (Coleoptera)
- PACHYCEREUS**—See Cactaceae
- PANAX:**  
*Pseudaonidia tesserata* (Homoptera)
- PELARGONIUM:**  
*Phenacoccus gossypii* (Homoptera)
- PENTAS:**  
*Frankliniella insularis* (Thysanoptera)
- PERSEA:**  
*Anastrepha ludens* (Diptera)  
*Aspidiotus destructor* (Homoptera)  
*Aspidiotus howardi* (Homoptera)  
*Aspidiotus spinosus* (Homoptera)  
*Conotrachelus aguacatae* (Coleoptera)  
*Helipus lauri* (Coleoptera)
- PETROSELINUM:**  
*Draeculacephala minerva* (Hemiptera)  
*Geocoris sonoraensis* (Hemiptera)  
*Lygus elisus* (Hemiptera)
- PHALAENOPSIS**—See Orchidaceae
- PHASEOLUS ANGULARIS:**  
*Callosobruchus chinensis* (Coleoptera)
- PHASEOLUS AUREUS:**  
*Callosobruchus analis* (Coleoptera)  
*Callosobruchus chinensis* (Coleoptera)  
*Callosobruchus maculatus* (Coleoptera)
- PHASEOLUS LUNATUS MACROCARPUS:**  
*Zabrotes subfasciatus* (Coleoptera)
- PHASEOLUS RADIATUS:**  
*Callosobruchus chinensis* (Coleoptera)
- PHASEOLUS VULGARIS:**  
*Zabrotes subfasciatus* (Coleoptera)
- PHASEOLUS SP.** (string bean):  
*Callosobruchus analis* (Coleoptera)  
*Dacus cucurbitae* (Diptera)  
*Delphacodes campestris* (Hemiptera)  
*Epilachna varivestis* (Coleoptera)  
*Epinotia opposita* (Lepidoptera)  
*Eritianus obscurinervis* (Hemiptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Kiferia lycopersicella* (Lepidoptera)  
*Ligyrocoris rubricatus* (Hemiptera)  
*Maruca testulalis* (Lepidoptera)  
*Ozophora pallens* (Hemiptera)  
*Sternechus paludatus* (Coleoptera)  
*Zabrotes subfasciatus* (Coleoptera)
- PHOENIX:**  
*Coccotrypes dactyliperda* (Coleoptera)
- PHYLLSTACHYS:**  
*Aphis bambusae* (Homoptera)  
*Kuwanaspis pseudoleucaspis* (Homoptera)  
*Kuwanaspis vermiformis* (Homoptera)
- PHYSALIS:**  
*Gnorimoschema lavernella* (Lepidoptera)
- PHYTELEPHAS:**  
*Coccotrypes dactyliperda* (Coleoptera)
- PINUS:**  
*Gastrodes pacificus* (Hemiptera)  
*Matsucoccus matsumurae* (Homoptera)  
*Oryctonia jucunda* (Coleoptera)  
*Paronius longulus* (Hemiptera)
- PISTACIA:**  
*Eurytoma pistaciae* (Hymenoptera)
- PISUM:**  
*Conotrachelus seniculus* (Coleoptera)  
*Cosmolyce boeticus* (Lepidoptera)  
*Draeculacephala minerva* (Hemiptera)  
*Prairiana sidana* (Hemiptera)
- PITHECOLOBIUM:**  
*Acanthoscelides flexicaulis* (Coleoptera)
- PITTIOSPORUM:**  
*Pulvinaria psidii* (Homoptera)
- PLATANUS:**  
*Chionaspis platani* (Homoptera)
- PLUMERIA:**  
*Coccus viridis* (Homoptera)
- PODALYRIA:**  
*Bruchidius versicolor* (Coleoptera)
- POLIANTHES:**  
*Frankliniella fortissima* (Thysanoptera)  
*Taeniothrips simplex* (Thysanoptera)
- PORTULACA:**  
*Erynephala puncticollis* (Coleoptera)  
*Eumecosomyia nubila* (Diptera)  
*Exptochiomera arizonensis* (Hemiptera)  
*Ligyrocoris nitidulus* (Hemiptera)  
*Nysius minutus* (Hemiptera)
- PROSOPIS:**  
*Anoplium truncatum* (Coleoptera)  
*Apatides fortis* (Coleoptera)  
*Colecerus marmoratus* (Coleoptera)  
*Kaloterme marginipennis* (Isoptera)

*Hosts and insects—Continued*

- PROSOPIS—Continued.**  
*Laspeyresia membra* (Lepidoptera)  
*Neuroctenus simplex* (Hemiptera)  
*Rhipibruchus picturatus* (Coleoptera)  
*Romaleum rufulum* (Coleoptera)
- PRUNUS DOMESTICA:**  
*Anthonomus scutellaris* (Coleoptera)  
*Parlatoria oleae* (Homoptera)
- PRUNUS SP. (cherry):**  
*Lecanium coryli* (Homoptera)
- PRUNUS SP.:**  
*Parlatoria oleae* (Homoptera)  
*Parlatoria theae* (Homoptera)
- PSIDIUM:**  
*Anastrepha mombinpraeoptans* (Diptera)  
*Anastrepha suspensa* (Diptera)
- PTYCHOSPERMA:**  
*Coccotrypes rollinae* (Coleoptera)
- PUERARIA:**  
*Callosobruchus ademptus* (Coleoptera)
- PUNICA:**  
*Colaspis viriditincta* (Coleoptera)
- PYROLA:**  
*Aleuroplatus myricae* (Homoptera)
- PYRUS:**  
*Ceratitidis capitata* (Diptera)  
*Epidiaspis piricola* (Homoptera)  
*Lepidosaphes conchiformis* (Homoptera)
- RAPHANUS:**  
*Draeculacephala minerva* (Hemiptera)  
*Hellula phidilealis* (Lepidoptera)  
*Hellula undalis* (Lepidoptera)  
*Macrostelus divinus* (Hemiptera)  
*Nabis alternatus* (Hemiptera)  
*Phyllotreta pusilla* (Coleoptera)  
*Phyllotreta vittata discedens* (Coleoptera)
- RHODODENDRON:**  
*Amphorophora rhododendri* (Homoptera)  
*Dialeurodes chittendeni* (Homoptera)  
*Pseudaonidia duplex* (Homoptera)
- RIBES:**  
*Parlatoria oleae* (Homoptera)
- ROSA:**  
*Allocoris incognita* (Hemiptera)  
*Eptochiomeria minima* (Hemiptera)  
*Frankliniella cephalica* (Thysanoptera)  
*Frankliniella cubensis* (Thysanoptera)  
*Frankliniella difficilis* (Thysanoptera)  
*Frankliniella fortissima* (Thysanoptera)  
*Frankliniella insularis* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Taeniothrips simplex* (Thysanoptera)  
*Teleonemia scrupulosa* (Hemiptera)
- ROYSTONEA:**  
*Aspidiotus aestructus* (Homoptera)  
*Aspidiotus spinosus* (Homoptera)
- SACCHARUM:**  
*Chilo loftini* (Lepidoptera)  
*Draeculacephala minerva* (Hemiptera)  
*Pseudococcus boninsis* (Homoptera)  
*Targionia sacchari* (Homoptera)  
*Trionymus sacchari* (Homoptera)
- SALIX:**  
*Agromyza salicis* (Diptera)  
*Chalcolepidius webbi* (Coleoptera)  
*Gypona delta* (Hemiptera)
- SAMANEA:**  
*Anypsiopyla univittella* (Lepidoptera)
- SAMBUCUS:**  
*Amphicerus cornutus* (Coleoptera)  
*Micrapate scapularis* (Coleoptera)
- SAPOTE:**  
*Anastrepha serpentina* (Diptera)
- SCHIZOSTACHYUM:**  
*Formosaspis nigra* (Homoptera)
- SCHOMBURGKIA—See Orchidaceae**
- SEMIARUNDINARIA:**  
*Kuwanaspis pseudoleucaspis* (Homoptera)
- SERJANIA:**  
*Dinoderus bifoveolatus* (Coleoptera)
- SESBANIA:**  
*Eudiagogus pulcher* (Coleoptera)
- SINOBAMBUSA:**  
*Antonina crawi* (Homoptera)  
*Kuwanaspis pseudoleucaspis* (Homoptera)  
*Kuwanaspis vermiformis* (Homoptera)
- SOIL:**  
*Atenius cribrithorax* (Coleoptera)
- SOLANUM MELONGENA:**  
*Anthonomus varipes* (Coleoptera)  
*Metamasium sericeus* (Coleoptera)  
*Pachyzancla periusalis* (Lepidoptera)  
*Platynota rostrana* (Lepidoptera)  
*Platynota stultana* (Coleoptera)
- SOLANUM TUBEROSUM:**  
*Epicaerus cognatus* (Coleoptera)  
*Gnorimoschema plaesiosema* (Lepidoptera)  
*Lygaeus lateralis* (Hemiptera)
- SPINACIA:**  
*Aphalaroida inermis* (Hemiptera)  
*Creontiades rubrinervis* (Hemiptera)  
*Draeculacephala minerva* (Hemiptera)  
*Empoasca abrupta* (Hemiptera)  
*Empoasca solana* (Hemiptera)  
*Lygus distinctus* (Hemiptera)  
*Nysius monticola* (Hemiptera)  
*Phyllotreta pusilla* (Coleoptera)
- SPONDIAS:**  
*Anastrepha mombinpraeoptans* (Diptera)  
*Aspidiotus diffinis* (Homoptera)
- STYRAX:**  
*Pseudaonidia duplex* (Homoptera)
- SWIETENIA:**  
*Aulonium bidentatum* (Coleoptera)  
*Coccus viridis* (Homoptera)  
*Xyleborus propinquus* (Coleoptera)
- TABEBUIA:**  
*Acanthoderes circumflexa* (Coleoptera)  
*Aulonium bidentatum* (Coleoptera)  
*Brentus anchorago* (Coleoptera)  
*Brentus mexicanus* (Coleoptera)  
*Cossonus canaliculatus* (Coleoptera)  
*Dactylosternum subdepressum* (Coleoptera)  
*Laemophloeus suturalis* (Coleoptera)  
*Nasutitermes cornigera* (Isoptera)  
*Nemocephalus guatemalensis* (Coleoptera)  
*Parandra polita* (Coleoptera)  
*Platypus exaratus* (Coleoptera)  
*Platypus poriferus* (Coleoptera)  
*Platypus rugulosus* (Coleoptera)  
*Tesserocerus dejeani* (Coleoptera)  
*Xyleborus affinis* (Coleoptera)  
*Xyleborus confusus* (Coleoptera)  
*Xyleborus fuscatus* (Coleoptera)  
*Xyleborus macer* (Coleoptera)
- TAGETES:**  
*Haplothrips gowdeyi* (Thysanoptera)  
*Zabrotes subfasciatus* (Coleoptera)
- TAMARINDUS:**  
*Caryedon fuscus* (Coleoptera)  
*Eucnocerus anthrenoides* (Coleoptera)  
*Nyssodryus haldemani* (Coleoptera)
- TERMINALIA:**  
*Aspidiotus destructor* (Homoptera)  
*Asterolecanium pustulans* (Homoptera)
- THEOBROMA:**  
*Xyleborus affinis* (Coleoptera)
- THUJA:**  
*Cinara tujaefilina* (Homoptera)
- TIGRIDIA:**  
*Anuraphis tulipae* (Homoptera)
- TRICHOPILIA—See Orchidaceae**
- TRICOGLOTIS—See Orchidaceae**
- TRISTANIA:**  
*Phenacaspis eugeniae* (Homoptera)
- TRITICUM:**  
*Corcyra cephalonica* (Lepidoptera)
- TSUGA:**  
*Aspidiotus tsugae* (Homoptera)
- TULIPA:**  
*Anuraphis tulipae* (Homoptera)  
*Rhopalosiphoninus tulipaellus* (Homoptera)
- ULMUS:**  
*Clytus arietis* (Coleoptera)  
*Pteleobius vittatus* (Coleoptera)  
*Scolytus multistriatus* (Coleoptera)  
*Scolytus scolytus* (Coleoptera)
- VANDA—See Orchidaceae**
- VERBENA:**  
*Phenacoccus gossypii* (Homoptera)
- VICIA:**  
*Apion pomonae* (Coleoptera)  
*Bruchidus incarnatus* (Coleoptera)  
*Bruchus dentipes* (Coleoptera)  
*Bruchus luteicornis* (Coleoptera)  
*Bruchus rufipes* (Coleoptera)  
*Euspermophagus cardui* (Coleoptera)

## Hosts and insects—Continued

## VIGNA:

- Bruchus ramicornis* (Coleoptera)  
*Callosobruchus analis* (Coleoptera)  
*Callosobruchus maculatus* (Coleoptera)  
*Zabrotes subfasciatus* (Coleoptera)

## VIOLA:

- Frankliniella fortissima* (Thysanoptera)

## VITIS:

- Aonidiella comperei* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Corizus pictipes* (Hemiptera)  
*Geocnethus nigrocinctus* (Hemiptera)  
*Listroderes obliquus* (Coleoptera)  
*Pantomorus xanthographus* (Coleoptera)  
*Pseudaonidia tesserata* (Homoptera)

## VRIESIA:

- Chrysomphalus personatus* (Homoptera)

## WISTERIA:

- Chionaspis wisteriae* (Homoptera)  
*Phenacaspis fujicola* (Homoptera)

## YUCCA:

- Ephestia rileyella* (Lepidoptera)

## ZEA:

- Ataenius abditus* (Coleoptera)  
*Baldulus midis* (Hemiptera)  
*Celama sorghiella* (Lepidoptera)  
*Ceratocapsus fuscusignatus* (Hemiptera)  
*Conotrachelus seniculus* (Coleoptera)

## ZEA—Continued.

- Eumecosomyia nubila* (Diptera)  
*Euphoria leucographa* (Coleoptera)  
*Euxesta annonae* (Diptera)  
*Euxesta sororcula* (Diptera)  
*Euxesta stigmatias* (Diptera)  
*Frankliniella williamsi* (Thysanoptera)  
*Ligyrocoris nitidulus* (Hemiptera)  
*Lophocateres pusillus* (Coleoptera)  
*Lygus elisus* (Hemiptera)  
*Micrapate scapularis* (Coleoptera)  
*Moodna bisinuella* (Lepidoptera)  
*Nysius minutus* (Hemiptera)  
*Oedionychis durangoensis* (Coleoptera)  
*Pagiocerus rimosus* (Coleoptera)  
*Pyrausta nubilalis* (Lepidoptera)  
*Zabrotes subfasciatus* (Coleoptera)

## ZINGIBER:

- Caulophilus latinasus* (Coleoptera)  
*Targionia hartii* (Homoptera)

## ZINNIA:

- Anacentrinus deplanatus* (Coleoptera)  
*Corythucha morrilli* (Hemiptera)  
*Gypona angulata* (Hemiptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Nesosteles neglectus* (Hemiptera)  
*Phenacoccus gossypii* (Homoptera)  
*Pronotacantha annulata* (Hemiptera)  
*Zabrotes subfasciatus* (Coleoptera)

## Hosts unknown

## FLOWERS:

- Conotrachelus flavangulus* (Coleoptera)  
*Forficula auricularia* (Orthoptera)  
*Glyptina nivalis* (Coleoptera)  
*Lygaeus circumlitus* (Hemiptera)  
*Nysius callifer* (Hemiptera)

## HERB:

- Ptychopoda bonifata* (Lepidoptera)

## HOOPS:

- Gracilia minuta* (Coleoptera)

## IN AUTOMOBILE:

- Callirhinus metallescens* (Coleoptera)

## IN BAG OF GUAVAS AND GENIPS:

- Anastrepha suspensa* (Diptera)

## IN BOX OF GRAPES:

- Listroderes obliquus* (Coleoptera)

## LEAF:

- Chrysomphalus perseae* (Homoptera)  
*Lichtensia lutea* (Homoptera)

## MOSS PACKING:

- Scolopostethus decoratus* (Hemiptera)

## ON PACKING CASE:

- Callidium rufipenne* (Coleoptera)

## ON SACK OF BRAN:

- Lygaeus vittiscutis* (Hemiptera)

## PALM:

- Aspidiotus destructor* (Homoptera)  
*Pinnaspis buxi* (Homoptera)

## REED:

- Amphicerus cornutus* (Coleoptera)

## ROOT:

- Brachyrhinus rugosostriatus* (Coleoptera)

## SEED:

- Bruchus hamatus* (Coleoptera)

## VEGETABLES:

- Ataxia hubbardi* (Coleoptera)

## WICKER HAMPER:

- Nicobium castaneum* (Coleoptera)  
*Nicobium hirtum* (Coleoptera)

## WILD GRASS:

- Odonaspis graminis* (Homoptera)

## WOOD:

- Heterobostrychus aequalis* (Coleoptera)  
*Kalotermea piceatus* (Isoptera)  
*Micrapate dinoderoides* (Coleoptera)  
*Micrapate scapularis* (Coleoptera)  
*Penichroa fasciata* (Coleoptera)  
*Renocis mexicanus* (Coleoptera)  
*Sinoxylon anale* (Coleoptera)  
*Sinoxylon conigerum* (Coleoptera)  
*Xylothrips flavipes* (Coleoptera)

## Country of origin and insects

## AMERICAN VIRGIN ISLANDS:

- Anastrepha mombinpraeoptans*  
*Euscepes postfasciatus*  
*Targionia hartii*  
*Trionymus sacchari*

## ANGOLA:

- Stephanoderes hampei*

## ARGENTINA:

- Anastrepha fraterculus*  
*Apion pomonae*  
*Corizus pictipes*  
*Euxesta notata*  
*Geocnethus nigrocinctus*  
*Listroderes obliquus*  
*Pantomorus xanthographus*  
*Parlatoria cinerea*  
*Parlatoria oleae*  
*Pectinophora gossypiella*

## AUSTRALIA:

- Brontes australis*  
*Chrysomphalus rossi*  
*Phenacaspis eugeniae*  
*Pinnaspis townsendi*  
*Platypus australis*  
*Xyleborus monigerus*

## AZORES:

- Ceratitis capitata*  
*Targionia bromeliae*

## BAHAMAS:

- Aleurocanthus woglumi*  
*Artipus floridanus*  
*Aspidiotus destructor*  
*Asterolecanium pustulans*  
*Coccus viridis*  
*Conotrachelus nenuphar*  
*Cylas formicarius*  
*Dialeurodes citri*  
*Frankliniella cubensis*  
*Frankliniella difficilis*  
*Frankliniella insularis*  
*Haplothrips gowdeyi*  
*Morganella longispina*  
*Pectinophora gossypiella*  
*Pseudococcus boninsis*  
*Ptinus huesanus*  
*Pulvinaria psidii*  
*Targionia sacchari*

## BARBADOS:

- Setomorpha insectella*  
*Targionia hartii*

## Country of origin and insects—Continued

## BELGIUM:

*Lepidosaphes tuberculata*

## BERMUDA:

*Haplothrips gowdeyi*  
*Phenacoccus gossypii*  
*Pseudococcus boninsis*

## BRAZIL:

*Aonidiella eugeniae*  
*Aspidiotus spinosus*  
*Asterolecanium aureum*  
*Bruchus ramicornis*  
*Callosobruchus maculatus*  
*Ceratitis capitata*  
*Chrysomphalus personatus*  
*Corcyra cephalonica*  
*Eurycipitia vestitus*  
*Eurytoma orchidearum*  
*Euscepes postfasciatus*  
*Frankliniella insularis*  
*Fulvius quadristillatus*  
*Gymnaspis aechmeae*  
*Inglisia vitrea*  
*Maruca testulalis*  
*Mordellistena cattleyana*  
*Morganella longispina*  
*Pachymerus oleariae*  
*Parlatoria cinerea*  
*Pectinophora gossypiella*  
*Phelomerus aberrans*  
*Pseudaonidia trilobitiformis*  
*Stephanoderes buscki*  
*Targionia bromeliae*  
*Tenthecoris bicolor*  
*Xyleborus affinis*  
*Zabrotes subsfasciatus*

## BRITISH COLUMBIA:

*Forficula auricularia*

## BRITISH EAST AFRICA:

*Stephanoderes hampei*

## BRITISH HONDURAS:

*Vinsonia stellifera*

## CANADA:

*Agromyza salicis*  
*Aleuroplatus myricae*  
*Aleyrodes spiraeoides*  
*Amphorophora rhododendri*  
*Anuraphis tulipae*  
*Brachyrhinus ovatus*  
*Brachyrhinus rugosestriatus*  
*Chermes nusslini*  
*Gastrodes pacificus*  
*Lecanium coryli*  
*Liosomaphis berberidis*  
*Rhopalosiphoninus tulipaellus*  
*Sitona lineata*  
*Taeniothrips atratus*  
*Thrips nigropilosus*

## CANAL ZONE:

*Asterolecanium aureum*  
*Furcaspis bififormis*  
*Haplothrips gowdeyi*  
*Neoclytus cacicus*  
*Phelomerus aberrans*  
*Pseudaonidia clavigera*  
*Pseudischnaspis alienus*  
*Trionymus sacchari*  
*Vinsonia stellifera*  
*Xyleborus fuscatus*

## CANARY ISLANDS:

*Ceratitis capitata*

## CHILE:

*Endrosis lacteella*  
*Listroderes obliquus*  
*Nabis punctipennis*  
*Pseudococcus gahani*

## CHINA:

*Antonina crawi*  
*Antonina tobai*  
*Aphis bambusae*  
*Asterolecanium bambusicola*  
*Callosobruchus analis*  
*Callosobruchus chinensis*  
*Caulophilus latinasus*  
*Chaetococcus bambusae*  
*Chilo simplex*  
*Chionaspis elongata*  
*Cylas formicarius*  
*Endrosis lacteella*  
*Fiorinia nephelii*  
*Formosaspis formosanus*

## CHINA—Continued.

*Formosaspis nigra*  
*Kuwanaspis pseudoleucaspis*  
*Kuwanaspis vermiformis*  
*Odonaspis greeni*  
*Odonaspis penicillata*  
*Parlatoria sizophus*  
*Schoenobius bipunctiferus*

## CHOSEN:

*Callosobruchus ademptus*  
*Lepidosaphes pallida*

## COLOMBIA:

*Acanthoscelides dominicanus*  
*Anastrepha serpentina*  
*Asterolecanium aureum*  
*Chrysomphalus perseae*  
*Clerada apicicornis*  
*Eucalandra setulosa*  
*Eurycipitia vestitus*  
*Eurytoma orchidearum*  
*Fulvius quadristillatus*  
*Furcaspis bififormis*  
*Geocnethus nigrocinctus*  
*Halisidota inexpectata*  
*Iridomyrmex iniquus nigella*  
*Lepidosaphes lasianthi*  
*Metamasius sericeus*  
*Mordellistena cattleyana*  
*Mordellistena chapini*  
*Myochrous denticollis*  
*Nasutitermes cornigera*  
*Paragonatus divergens*  
*Tenthecoris bicolor*  
*Xyleborus propinquus*

## COSTA RICA:

*Asterolecanium aureum*  
*Eurytoma orchidearum*  
*Pseudischnaspis alienus*  
*Pseudococcus nipae*  
*Pulvinaria floccifera*

## CUBA:

*Aleurocanthus woglumi*  
*Aleurothrixus howardi*  
*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Anthonomus varipes*  
*Aspidiotus destructor*  
*Aspidiotus spinosus*  
*Asterolecanium aureum*  
*Asterolecanium bambusae*  
*Asterolecanium miliaris*  
*Asterolecanium pustulans*  
*Ataenius cribrithorax*  
*Ceratocapsus cubanus*  
*Chrysomphalus bififormis*  
*Clerada apicicornis*  
*Coccotrypes rolliniae*  
*Coccus viridis*  
*Conoderus bifoveatus*  
*Cylas formicarius*  
*Cymonius notabilis*  
*Cyrtopeltis tenuis*  
*Dialeurodes citrifolii*  
*Eumecosomyia nubila*  
*Faustinus cubae*  
*Frankliniella cubensis*  
*Frankliniella difficilis*  
*Frankliniella insularis*  
*Gnorimoschema gudmannella*  
*Gynaikothrips uzeli*  
*Haplothrips gowdeyi*  
*Hellula phidilealis*  
*Iridomyrmex humilis*  
*Iridomyrmex pruinosus*  
*Keiseria lycopersicella*  
*Lepidosaphes camelliae*  
*Leucaspis indica*  
*Leucoptera coffeella*  
*Ligyrocoris litigiosus*  
*Liriomyza flaveola*  
*Metamasius sericeus*  
*Onthophagus marginatus*  
*Orthaea scutellata*  
*Ozophora burmeisteri*  
*Ozophora pallescens*  
*Pachyzancla periusalis*  
*Pectinophora gossypiella*  
*Phyllotreta vittata discedens*  
*Pinnaspis minor strachani*  
*Platynota rostrana*

## Country of origin and insects—Continued

## CUBA—Continued.

*Pseudischnaspis alienus*  
*Pseudococcus boninsis*  
*Pulvinaria psidii*  
*Pyropus sapphirinus*  
*Ribua innoxia*  
*Stictocephala rotundata*  
*Systema basalis*  
*Taeniothrips simplex*  
*Targionia bromeliae*  
*Targionia hartii*  
*Targionia sacchari*  
*Trionymus sacchari*  
*Zabrotes subfasciatus*

## DOMINICA:

*Aganectesis indecora*

## DOMINICAN REPUBLIC:

*Anastrepha mombinpraeoptans*  
*Conchaspis angraeci*  
*Cylas formicarius*  
*Frankliniella insularis*  
*Haplothrips gowdeyi*  
*Stephanoderes guatemalensis*  
*Vinsonia stellifera*

## DUTCH EAST INDIES:

*Dinoderus bifoveolatus*  
*Heterobostrychus aequalis*  
*Laemotmetus rhizophagoides*  
*Myocalandra discors*

## ECUADOR:

*Anypsipyla univitella*  
*Coccotrypes dactyliperda*  
*Metamasius sericeus*

## EGYPT:

*Bruchidius incarnatus*

## ENGLAND:

*Anaphothrips orchidaceus*  
*Anuraphis tulipae*  
*Aspidiotus destructor*  
*Barathra brassicae*  
*Bruchus affinis*  
*Ceutorhynchus pleurostigma*  
*Clytus arietis*  
*Dialeurodes chittendeni*  
*Gracilia minuta*  
*Hercinothrips errans*  
*Hercinothrips femoralis*  
*Leperisinus frazini*  
*Lepidosaphes tuberculata*  
*Limothrips denticornis*  
*Liothrips vaneeckei*  
*Philophylla heraclei*  
*Phyllotreta atra*  
*Pionea forficalis*  
*Psylliodes chrysocephala*  
*Pteleobius vittatus*  
*Ptinus tectus*  
*Pulvinaria floccifera*  
*Rhopalosiphoninus tulipaellus*  
*Scolopostethus decoratus*  
*Scolytus multistriatus*  
*Scolytus scolytus*  
*Spragueia leo*

## ETHIOPIA:

*Stephanoderes hampei*

## EUROPE:

*Haplothrips cotei*  
*Taeniothrips dianthi*

## FIJI ISLANDS:

*Aspidiotus destructor*

## FRANCE:

*Bruchus luteicornis*  
*Bruchus rufipes*  
*Iridomyrmex melleus*  
*Iridomyrmex melleus var.*

## FRENCH INDO-CHINA:

*Sinoxylon anale*  
*Sinoxylon conigerum*

## GOLD COAST:

*Cylas puncticollis*

## GREECE:

*Aonidia lauri*  
*Bruchus rufipes*

## GUADELOUPE:

*Palaeopus costicollis*

## GUATEMALA:

*Acanthoderes circumflexa*  
*Anaphothrips orchidaceus*  
*Asterolecanium miliaris longum*  
*Aulonium bidentatum*  
*Brentus anchorago*

## GUATEMALA—Continued.

*Brentus mexicanus*  
*Calymmus cucullatus*  
*Conchaspis agraei*  
*Cossonus canaliculatus*  
*Dactylosternum subdepressum*  
*Eurycipitia vestitus*  
*Eurytoma orchidearum*  
*Frankliniella fortissima*  
*Furcaspis biformis*  
*Laemophloeus iteratus*  
*Laemophloeus suturalis*  
*Metamasius sericeus carbonarius*  
*Nasutitermes cornigera*  
*Nemocephalus guatemalensis*  
*Neoclytus cacicus*  
*Parandra polita*  
*Platypus exaratus*  
*Platypus poriferus*  
*Platypus rugulosus*  
*Pseudischnaspis alienus*  
*Pseudischnaspis bowreyi*  
*Targionia sacchari*  
*Tenthecoris bicolor*  
*Tesserocerus dejeani*  
*Xestocoris collinus*  
*Xyleborus affinis*  
*Xyleborus confusus*  
*Xyleborus macer*  
*Xyleborus propinquus*

## HAITI:

*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Aonidiella comperei*  
*Asterolecanium aureum*  
*Maruca testulalis*  
*Pseudaonidia tesserata*

## HAWAII:

*Aonidiella inornata*  
*Asterolecanium pustulans*  
*Caryedon fuscus*  
*Ceratitis capitata*  
*Ceroplastes rubens*  
*Coccus viridis*  
*Cosmolyce bocticus*  
*Cylas formicarius*  
*Dacus cucurbitae*  
*Euscepes postfasciatus*  
*Furcaspis biformis*  
*Kaloterms piceatus*  
*Maruca testulalis*  
*Parlatoria crotonis*  
*Pealius hibisci*  
*Pectinophora gossypiella*  
*Phenacaspis eugeniae*  
*Pseudaonidia clovigerata*  
*Pseudaonidia tesserata*  
*Sternochetus mangiferae*

## HONDURAS:

*Aspidiotus palmae*  
*Aspidiotus spinosus*  
*Aulonium bidentatum*  
*Brentus mexicanus*  
*Coccus viridis*  
*Dactylosternum abdominale*  
*Hypsipyla grandella*  
*Metamasius sericeus*  
*Neoclytus cacicus*  
*Phormesium virgulatum*  
*TetraPriocera longicornis*  
*Xanthophthalma concinnum*  
*Xyleborus affinis*  
*Xyleborus fuscatus*  
*Xyleborus propinquus*  
*Zabrotes subfasciatus*

## HUNGARY:

*Euspermophagus cardui*

## INDIA:

*Callosobruchus chinensis*  
*Cylas formicarius*  
*Heterobostrychus aequalis*  
*Sinoxylon anale*

## IRAN:

*Apion longirostre*  
*Bruchus dentipes*  
*Bruchus dentipes ochraceosignatus*  
*Bruchus hamatus*  
*Bruchus lentis*  
*Callosobruchus analis*  
*Callosobruchus maculatus*

## Country of origin and insects—Continued

## IRELAND:

*Endrosis lacteella*

## ITALY:

*Aonidia lauri**Brachyrhinus armadillo**Epidiaspis piricola**Parlatoria oleae*

## JAMAICA:

*Anastrepha mombinpraeoptans**Cylas formicarius**Cyrtopeltis tenuis**Euscepes postfasciatus**Haplothrips gowdeyi**Leucaspis cockerelli**Palaeopus costicollis**Parlatoria pseudaspidiotus**Strategus simson**Vinsonia stellifera*

## JAPAN:

*Antonina crawii**Aspidiotus degeneratus**Aspidiotus destructor**Aspidiotus tsugae**Callidium rufipenne**Callosobruchus ademptus**Callosobruchus analis**Callosobruchus chinensis**Ceroplastes ceriferus**Ceroplastes floridensis**Ceroplastes rubens**Chilo simplex**Chionaspis wistariae**Chionaspis yanonensis**Chrysomphalus bifasciculatus**Cinara tujafilina**Corcyra cephalonica**Cosmolyce boeticus**Echinocnemus bipunctatus**Gracilaria azaleella**Grapholitha molesta**Hellula undalis**Hercinothrips femoralis**Homocidus menciaana**Laspeyresia splendana**Lepidosaphes camelliae**Lepidosaphes conchiformis**Lepidosaphes tuberculata**Liothrips vaneckei**Matsucoccus matsumurae**Nemapogon granella**Neolecanium cornuparvum**Nysius expressus**Orchidophilus aterrimus**Orycestonia jucunda**Parlatoria camelliae**Parlatoria pseudaspidiotus**Parlatoria theae**Phaedon incertum**Phenacaspis fujicola**Pinnaspis buxi**Pseudaonidia duplex**Pseudaonidia paeoniae**Pulvinaria floccifera**Pyrausta nubilalis**Stephanitis pyrioides**Taeniothrips gracilis**Taeniothrips xanthius*

## JAVA:

*Heterobostrychus aequalis**Laemotmetus rhizophagoides**Lyctoxylon japonum**Parlatoria ziziphus**Xylothrips flavipes*

## MADEIRA ISLANDS:

*Anaphothrips orchidii*

## MALAYA (British):

*Sinoxylon anale*

## MEXICO:

*Acanthoscelides flexicaulis**Acanthoscelides sallaei**Acroleucus tullus**Acroleucus vicinalis**Aeolus dorsalis**Allocoris incognita**Alpheias conspirata**Amorbia emigratella**Amphicerus cornutus**Anacentrinus deplanatus**Anastrepha ludens**Anastrepha serpentina*

## MEXICO—Continued.

*Anoplium truncatum**Anthonomus scutellaris**Apatides fortis**Aphalaroida inermis**Aspidiotus destructor**Aspidiotus diffinis**Aspidiotus howardi**Asterolecanium aureum**Ataenius abditus**Ataxia hubbardi**Atheas fuscipes**Auseius impressicollis**Baldulus elimatus**Baldulus maidis**Brentus mexicanus**Brochymena sulcata**Cacoscolis scriptipennis**Callirhinus metallescens**Callosobruchus maculatus**Calymmaderus oblongus**Catorhintha guttula**Caulophilus latinasus**Caulotops agavis**Celama sorghiella**Centrinaspis picumnus**Ceratocapsus fuscisignatus**Ceratocapsus punctulatus**Ceratopus bisignatus**Ceroplastes floridensis**Chaetopsis fulvifrons**Chalcolepidius webbi**Chelinidea canyoni**Chelinidea vittiger aequoris**Chilo loftini**Chionaspis platani**Chrysomphalus personatus**Coccotrypes dactyloperda**Colaspis viriditincta**Colecerus marmoratus**Conotrachelus aguacatae**Conotrachelus flavangulus**Conotrachelus leucophaeatus**Conotrachelus seniculus**Corizus punctatus**Corythucha morrilli**Cossonus canaliculatus**Cossonus excavatus**Creontiades rubrinervis**Crociosema plebeiana**Cylas formicarius**Cyrtopeltis varians**Dactylosternum abdominale**Deloyala guttata**Deloyala lecontei**Delphacodes campestris**Delphacodes koebelei**Dialeurodes citri**Dikraneura kunzei**Draeculacephala balli**Draeculacephala minerva**Draeculacephala portola**Drasterius cribratus**Empoasca abrupta**Empoasca fabae**Empoasca phaseola**Empoasca solana**Entylia sinuata**Ephestia rileyella**Epicaerus cognatus**Epicauta pardalis**Epilachna varivestis**Epinotia opposita**Erynephala puncticollis**Eucnocerus anthrenoides**Eudiagogus pulcher**Eumecosomyia nubila**Euphalerus nidifer**Euphoria leucographa**Euphytus parvicollis**Eurycipitia vestitus**Euryophthalmus bipustulatus**Euzesta annonae**Euzesta sororcula**Euzesta stigmatias**Exitianus obscurinervis**Exptochiomeria arizonensis**Exptochiomeria fuscicornis**Exptochiomeria minima**Exptochiomeria oblonga*

## Country of origin and insects—Continued

## MEXICO—Continued.

*Feltia subterranea*  
*Forsebia perlaeta*  
*Frankliniella cephalica*  
*Frankliniella fortissima*  
*Frankliniella williamsi*  
*Geocnethus semilevis*  
*Geocoris sonoraensis*  
*Glyptina atriventris*  
*Glyptina nivalis*  
*Gnathotrichus consentaneus*  
*Gnathotrichus denticulatus*  
*Gnorimoschema gudmannella*  
*Gnorimoschema lavernella*  
*Gypona angulata*  
*Gypona delta*  
*Haplothrips gowdeyi*  
*Helipus lauri*  
*Helichus productus*  
*Hellula phudlealis*  
*Hellula undalis*  
*Homalodisca triquetra*  
*Hyalopterus atriplicis*  
*Hyphantria textor*  
*Hypselonotus fulvus*  
*Kaloterms marginipennis*  
*Kaloterms minor*  
*Keiseria lycopersicella*  
*Laspeyresia membrosa*  
*Lepidosaphes camelliae*  
*Lepidosaphes philococcus*  
*Leucopocila albofasciata*  
*Lichtensia lutea*  
*Ligyrocoris abdominalis*  
*Ligyrocoris aurivilliana*  
*Ligyrocoris litigiosus*  
*Ligyrocoris nitidicollis*  
*Ligyrocoris nitidulus*  
*Ligyrocoris rubricatus*  
*Ligyrocoris setosus*  
*Lineodes integra*  
*Liriomyza flaveola*  
*Lophocateres pusillus*  
*Lorita abornana chatka*  
*Lygaeus circumlitus*  
*Lygaeus lateralis*  
*Lygaeus vittiscutis*  
*Lygus championi*  
*Lygus distinctus*  
*Lygus elisus*  
*Lygus hesperius*  
*Lygus sallei*  
*Macrosteles divisus*  
*Metriona erratica*  
*Metriona profligata*  
*Micrapate dinoderoides*  
*Micrapate scapularis*  
*Moodna bisinuella*  
*Mormidea collaris*  
*Mozena lunata*  
*Nabis alternata*  
*Naucles pusio*  
*Nesosteles neglectus*  
*Neuroctenus simplex*  
*Nysius minutus*  
*Nysius monticola*  
*Nyssodrys haldemani*  
*Odonaspis graminis*  
*Oedionychis durangoensis*  
*Ollarianus strictus*  
*Onychobaris ambigua*  
*Opsius stactogalus*  
*Orthaea scutellata*  
*Parallelodiplosis cattleyae*  
*Parlatoria cinerea*  
*Paromius longulus*  
*Pectinophora gossypiella*  
*Phenacoccus gossypii*  
*Phlepsius distinctus*  
*Phyllotreta pusilla*  
*Placosternus crinicornis*  
*Plagiodera thymaloides*  
*Platynota stultana*  
*Podisus acutissimus*  
*Podisus rubromaculatus*  
*Polymerus basalus*  
*Prairiana sidana*  
*Pronotacantha annulata*  
*Protopulvinaria pyriformis*  
*Pseudischnaspis alienus*

## MEXICO—Continued.

*Pseudococcus boninsis*  
*Pseudodiaspis yuccae*  
*Ptychopoda bonifata*  
*Puto mexicanus*  
*Puto yuccae*  
*Renocis mexicanus*  
*Rhagoletis pomonella*  
*Rhynchites mexicanus*  
*Romaleum rufulum*  
*Setomorpha insectella*  
*Sisamnes contractus*  
*Sizeonotus areolatus*  
*Sternechus paludatus*  
*Taeniothrips simplex*  
*Teleonemia nigra*  
*Teleonemia scrupulosa*  
*Tetraleurodes acaciae*  
*Tetraleurodes mori*  
*Thyanta accerra*  
*Toxotrypana curriculauda*  
*Trionymus sacchari*  
*Xyleborus confusus*  
*Xyleborus fuscatus*  
*Xyleborus propinquus*  
*Zabrotes subfasciatus*

NETHERLANDS:  
*Anuraphis tulipae*

NICARAGUA:  
*Conotrachelus flavangulus*  
*Laemophloeus suturalis*

PALESTINE:  
*Eurytoma pistaciae*

PANAMA:  
*Aganectesis indecora*  
*Anastrepha mombinpraeoptans*  
*Chrysomphalus umboniferus*  
*Phelomerus aberrans*

PERU:  
*Dinoderus bifoveolatus*  
*Eumecosomyia nubila*  
*Euscepes postfasciatus*  
*Gnorimoschema plaesiosema*  
*Mordellistena chapini*  
*Pagiocerus rimosus*

PHILIPPINES:  
*Antonina indica*  
*Aspidiotus coryphae*  
*Aspidiotus palmae*  
*Callosobruchus chinensis*  
*Callosobruchus maculatus*  
*Chrysomphalus rossi*  
*Cylas formicarius*  
*Cylas turcipennis*  
*Dinoderus bifoveolatus*  
*Hercinotrips femoralis*  
*Leucaspis cockerelli*  
*Orchidophilus aterrimus*  
*Parlatoria pseudaspidiotus*  
*Pinnaspis townsendi*  
*Pseudococcus lilacinus*  
*Sinoxylon anale*  
*Sinoxylon conigerum*  
*Sternochetus mangiferae*

PORTUGAL:  
*Anuraphis apiifolia*  
*Bruchus tristiculus*  
*Ceratitis capitata*  
*Ceroplastes rusci*  
*Epidiaspis piricola*  
*Iridomyrmex humilis*  
*Laspeyresia splendana*  
*Nicobium castaneum*  
*Nicobium hirtum*  
*Pseudococcus boninsis*  
*Psylliodes chrysocephala*  
*Stephanoderes hampei*

PUERTO RICO:  
*Anastrepha mombinpraeoptans*  
*Anastrepha suspensa*  
*Antonina crawi*  
*Aspidiotus destructor*  
*Asterolecanium bambusae*  
*Callosobruchus chinensis*  
*Coccus viridis*  
*Corcyra cephalonica*  
*Cylas formicarius*  
*Euscepes postfasciatus*  
*Haplothrips gowdeyi*  
*Maruca testulalis*



Country of origin and insects—Continued

PUERTO RICO—Continued.

- Pectinophora gossypiella*
- Pseudischnaspis bowreyi*
- Pseudoparlatoria ostreata*
- Targionia sacchari*

QUEENSLAND:

- Ceratitis capitata*

RUMANIA:

- Bruchus rufipes*

ST. LUCIA:

- Targionia hartii*

ST. VINCENT:

- Pectinophora gossypiella*
- Targionia hartii*

SCOTLAND:

- Corcyra cephalonica*
- Micrelus ericae*
- Taeniothrips ericae*

SPAIN:

- Laspeyresia splendana*
- Penichroa fasciata*

STRAITS SETTLEMENTS:

- Parlatoria pseudaspidotus*
- Pinnaspis townsendi*

SUMATRA:

- Stephanoderes hampei*

SWITZERLAND:

- Epidiaspis piricola*

TAHITI:

- Icerya seychellarum*
- Trionymus sacchari*

THAILAND:

- Orchidophilus aterrimus*
- Parlatoria pseudaspidotus*

TRINIDAD:

- Anastrepha fraterculus*
- Anastrepha serpentina*
- Asterolecanium aureum*
- Aulacaspis mangiferae*

TRINIDAD—Continued.

- Euscepes postfasciatus*
- Furcaspis bififormis*
- Maruca testulalis*
- Rhinochenus stigma*
- Vinsonia stellifera*

UNION OF SOUTH AFRICA:

- Bruchidius versicolor*
- Diaspis zamiae*
- Frankliniella schultzei*
- Hercinothrips dimidiatus*
- Taeniothrips fumosa*

URUGUAY:

- Rhipibruchus picturatus*

VENEZUELA:

- Acanthoscelides armitagei*
- Anaphothrips orchidaceus*
- Asterolecanium aureum*
- Callosobruchus maculatus*
- Chrysomphalus alienus*
- Cligenes picturata*
- Coccus viridis*
- Eurytoma orchidearum*
- Exptochiomeria oblonga*
- Furcaspis bififormis*
- Iridomyrmex iniquus nigella*
- Lecaniodiaspis dendrobii*
- Mordellistena cattleyana*
- Nysius callifer*
- Ozophora gracilipes*
- Protopulvinaria pyriformis*
- Taeniothrips simplex*
- Tenthecoris bicolor*

VIRGIN ISLANDS:

- Euscepes postfasciatus*
- Maruca testulalis*
- Setomorpha insectella*

WEST INDIES:

- Targionia sacchari*

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive

[All findings marked with an asterisk indicate State inspection]

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Acrospeira macrosporoidea</i> (Berk.) Wilt.: <i>Gladiolus</i> sp.	New Zealand			1	N. J.
<i>Albugo bliti</i> (Biv.) O. Kuntze: <i>Amaranthus</i> sp.	Mexico	1			Tex.
<i>Alternaria dianthi</i> Stevens & Hall: <i>Dianthus</i> sp. (carnation)	Bermuda	1			N. Y.
<i>Aphelenchoides coffeae</i> (Zimm.) Steiner: <i>Cattleya</i> sp. (orchid)	Colombia			1	N. Y.
<i>Aphelenchoides parietinus</i> (Bastian) Steiner: <i>Ananas sativus</i> (pineapple)	Cuba			1	N. Y.
<i>Colocasia esculenta</i> (taro)	Azores, Japan	1	1		N. Y., Pa.
<i>Lilium longiflorum eximium</i>	Bermuda			1	N. Y.
<i>Lycopersicum esculentum</i> (tomato)	Mexico	1			Tex.
<i>Zingiber officinale</i> (ginger)	China	1			N. Y.
<i>Aphelenchus avenae</i> Bast.: <i>Ficus carica</i> (fig)	Portugal			1	N. Y.
<i>Hyacinthus</i> sp.	England			1	N. Y.
<i>Lilium longiflorum eximium</i>	Bermuda			2	N. Y.
<i>Salvia officinalis</i> (garden sage)	Spain	1			N. Y.
Soil around banana plants	Costa Rica			1	N. Y.
<i>Xanthosoma</i> sp.	Cuba	1			N. Y.
<i>Ascochyta caricae</i> Pat.: <i>Carica papaya</i> (papaya)	Brazil	1			N. Y.
<i>Aspergillus ochraceus</i> Wilhelm: <i>Gladiolus</i> sp.	Turkey			1	N. J.
<i>Asterina delitescens</i> Ell. & Mart.: <i>Persea borbonia</i> (red bay)	Mexico	2			Tex.
<i>Asterina mexicana</i> Ell. & Ev.: <i>Agave americana</i> (maguey)	do	1			Tex.
<i>Bacterium citri</i> (Hasse) Doidge: <i>Citrus aurantifolia</i> (lime)	Dutch East Indies, India, Java, Philippines.		5		Md., Mass., Pa.
<i>Citrus grandis</i> (grapefruit)	China		1		Calif.*
<i>Citrus sinensis</i> (orange)	China, Japan	4	2		Calif., Wash.
<i>Citrus</i> sp.	Japan		1		Calif.*

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		Con- sump- tion	Non- entry	Prop- aga- tion	
<i>Bacterium syringae</i> (Van Hall) E. F. S.: <i>Citrus sinensis</i>	Mexico	1			Tex.
<i>Bacterium tabacum</i> Wolf & A. C. Foster: <i>Nicotiana tabacum</i> (tobacco)	Canada	1			Mass.
<i>Bacterium tonellianum</i> Ferraris: <i>Nerium oleander</i> (oleander)	Mexico	1			Tex.
<i>Botrytis allii</i> Munn: <i>Allium cepa</i> (onion)	Chile, Mexico	21	1		Ariz., N. Y., Tex.
<i>Bremia lactucae</i> E. Regel: <i>Lactuca sativa</i> (lettuce)	Mexico	1			Tex.
<i>Cephalosporium pammellii purpurascens</i> Buchanan: <i>Malus sylvestris</i> (apple)	Japan		1		La.
<i>Ceratostomella fimbriata</i> (E. & H.) Elliott: <i>Daucus carota</i> (carrot)	England		1		La.
<i>Ceratostomella ips</i> Rumbold: <i>Pinus</i> sp. (pine)	do	8			N. J.
<i>Ceratostomella ulmi</i> (Schwarz) Buis.: <i>Ulmus</i> sp. (elm)	do	10			N. Y.
<i>Cercospora angreci</i> Feuill & Roum.: <i>Laelia</i> sp. (orchid)	Mexico			1	Tex.
<i>Odontoglossum</i> sp. (orchid)	England			4	N. J.
<i>Cercospora coffeicola</i> Berk. & C.: <i>Coffea</i> sp.	Mexico			1	N. J.
<i>Cercospora musae</i> Zimm.: <i>Musa</i> sp. (banana)	Costa Rica, Cuba, Gua- temala, Haiti, Jamai- ca, Mexico, Puerto Rico.	38	2		La., Mass., N. Y., Tex.
<i>Cercospora odontoglossi</i> Prill. & Del.: <i>Odontioda</i> sp. (orchid)	England			1	Calif.*
<i>Odontoglossum</i> sp. (orchid)	do			2	Calif.*, D. C.
<i>Cercospora rosicola</i> Pass.: <i>Rosa</i> sp.	Argentina, Cuba, Puer- to Rico.	1		2	N. Y.
<i>Cercosporina rhododendri</i> (Ferr.) Sacc.: <i>Rhododendron</i> sp.	Canada			2	Wash.
<i>Cerebella andropogonis</i> Ces.: <i>Paspalum dilatatum</i> (dallis grass)	Australia			1	Md.
<i>Paspalum</i> sp.	do			1	N. Y.
<i>Claviceps microcephala</i> (Wallr.) L. Tul.: <i>Cynodon plestostachyum</i>	Union of South Africa			1	D. C.
<i>Claviceps paspali</i> (Schw.) Stevens & Hall: <i>Paspalum</i> sp.	Canal Zone, Costa Rica			8	N. Y.
<i>Coleosporium solidaginis</i> (Schw.) Thum.: <i>Callistephus chinensis</i> (China-aster)	Cuba	1			Fla.*
<i>Colletotrichum graminicola</i> (Ces.) Wils.: <i>Triticum aestivum</i> (wheat)	Argentina	1			La.
<i>Colletotrichum incarnatum</i> Zimm.: <i>Theobroma cacao</i> (cacao)	Cuba	1			Fla.*
<i>Colletotrichum orchidearum</i> Allesch: <i>Ansellia africana</i> (orchid)	England			1	N. J.
<i>Cattleya</i> sp. (orchid)	Venezuela			1	P. R.
<i>Cymbidium</i> sp. (orchid)	India, Japan			2	Calif.*, D. C.
<i>Dendrobium chrystotoxum</i> (orchid)	Thailand			1	Calif.*
<i>Epidendrum</i> sp. (orchid)	Guadeloupe			1	P. R.
<i>Laelia</i> sp. (orchid)	Mexico			1	Tex.
<i>Lockhartia</i> sp. (orchid)	Guatemala			1	Calif.*
<i>Odontoglossum schlieperianum</i> (or- chid).	Costa Rica			1	Calif.*
Orchid	Mexico, Venezuela	1		2	N. Y., P. R., Tex.
<i>Phalaenopsis grandiflora</i> (orchid)	Philippines			1	Calif.*
<i>Phalaenopsis schilleriana</i> (orchid)	do			1	Calif.*
<i>Phalaenopsis</i> sp. (orchid)	England			1	N. J.
<i>Schomburgkia</i> sp. (orchid)	Mexico			1	Tex.
<i>Stanhopea</i> sp. (orchid)	Costa Rica, Mexico			2	N. Y., Tex.
<i>Trichopilia tortilis</i> (orchid)	Mexico			2	Calif.*
<i>Vanda sanderiana</i> (orchid)	Philippines			1	Calif.*
<i>Vanda</i> sp. (orchid)	do			1	N. J.
<i>Vanilla</i> sp. (orchid)	Honduras			1	Calif.*
<i>Colletotrichum orchidearum odontoglossi</i> Verpl. & Cl.: <i>Odontoglossum</i> sp. (orchid)	England			1	N. J.
<i>Coniosporium shiraianum</i> (Syd.) Bub.: <i>Bambusa</i> sp.	Unknown (via England)		1		Wash.

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<i>Coryneopsis microsticta</i> Grove: <i>Rhododendron</i> sp.	England			1	Wash.
<i>Coryneum beijerinckii</i> Oud.: <i>Amygdalus persica</i> (peach)	Mexico	1			Tex.
<i>Coryneum microstictoides</i> Sacc. & Panz.: <i>Paeonia moutan</i> var.	France, Japan			2	Calif.*
<i>Cumminsia sanguinea</i> (Pk.) Arth.: <i>Mahonia aquifolium</i> (?)	British Columbia			1	N. J.
<i>Cylindrosporium colchici</i> Sacc. (?): <i>Colchicum autumnale</i> (autumn crocus)	Hungary, Yugoslavia			2	N. Y.
<i>Cytospora ambiens</i> Sacc.: <i>Salix</i> sp. (willow)	England	1			N. Y.
<i>Dendrodochium lycopersici</i> March.: <i>Lycopersicum esculentum</i> (tomato)	Mexico	2			Tex.
<i>Diaporthe phaseolorum</i> (Cke. & Ell.) Sacc.: <i>Phaseolus</i> sp. (string bean)	Brazil, Mexico, Virgin Islands.	11	2		Ariz., Mass., Pa., Tex.
<i>Diaporthe phaseolorum</i> (Cke. & Ell.) Sacc. (?): <i>Phaseolus lunatus macrocarpus</i> (lima bean).	Bahamas		1		Fla.*
<i>Didymellina iridis</i> (Desm.) Hoehn.: <i>Iris</i> sp.	Mexico			1	Ariz.
<i>Diplodia henriquesiana</i> Trav. & Spessa.: <i>Cattleya</i> sp. Orchid	Peru Chile, Colombia		1	1	N. J. N. Y.
<i>Diplodia paraphysaria</i> Sacc.: Orchid	Guatemala, Venezuela			2	P. R.
<i>Diplodia tubericola</i> (E. & E.) Taub.: <i>Ipomoea batatas</i> (sweetpotato)	Argentina, Brazil, Cuba, Hawaii, Mexico, Philippines, Trinidad.		10		Ga., La., Pa., Tex.
<i>Ditylenchus dipsaci</i> (Kuhn) Filipjev: <i>Narcissus</i> sp.	Japan		1		N. Y.
<i>Elsinoe australis</i> Bitancourt & Jenkins: <i>Citrus sinensis</i> (orange)	Argentina, Brazil		3		Mass., N. Y., Tex.
<i>Elsinoe fawcettii</i> Bitancourt & Jenkins: <i>Citrus limona</i> (lemon)	Uruguay		1		Tex.
<i>Epicoccum nigrum</i> Link: <i>Capsicum annuum</i> (pepper)	Mexico	8			Ariz.
<i>Lycopersicum esculentum</i> (tomato)	do	1			Tex.
<i>Erinella longispora</i> (Karst.) Sacc.: Decayed wood	Brazil	1			N. J.
<i>Erysiphe cichoracearum</i> DC.: <i>Cucurbita maxima</i> (squash)	Mexico	3			Tex.
<i>Zinnia</i> sp.	do	2			Tex.
<i>Eutypella cocos</i> Ferd. & Winge: <i>Cocos nucifera</i> (coconut)	Canal Zone	1			N. Y.
<i>Fusarium heterosporum</i> Nees: <i>Paspalum</i> sp.	Australia			1	N. Y.
<i>Fusarium moniliforme</i> Sheld.: <i>Zea mays</i> (corn)	Union of South Africa	1			Wash.
<i>Fusarium niveum</i> EFS. <i>Cucumis sativus</i> (cucumber)	Mexico	1			Tex.
<i>Gloeosporium affine</i> Sacc.: <i>Dendrobium chrysotoxum</i> (orchid)	Thailand			2	Calif.*
<i>Epidendrum</i> sp. (orchid)	Costa Rica			1	Wash.
<i>Gloeosporium cattleyae</i> Sacc.: <i>Cattleya mendelii</i> (orchid)	Colombia			1	P. R.
<i>Cattleya</i> sp. (orchid)	Mexico			1	Tex.
<i>Gloeosporium cinctum</i> B. & C.: <i>Dendrobium atroviolaceum</i> (orchid)	Australia			1	Calif.*
<i>Dendrobium spectabile</i>	do			1	Calif.*
<i>Odcntoglossum</i> sp. (orchid)	Mexico			1	Tex.
<i>Gloeosporium cymbidii</i> Verpl.: <i>Cymbidium pauwelsi multicolor</i> (orchid).	Japan			1	Wash.
<i>Cymbidium</i> sp.	do			2	Wash.
<i>Gloeosporium laeliae</i> Henn.: <i>Laelia purpurata</i> (orchid)	Brazil			1	Calif.*
<i>Gloeosporium lebbec</i> Syd.: <i>Albizia lebbek</i>	Honduras			1	La.
<i>Gloeosporium orchidearum</i> Karst. & Har.: Orchid	Venezuela			1	N. Y.

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<i>Glomerella cingulata</i> (Stonem.) Spauld. & Schrenk: <i>Hibiscus esculentus</i> (okra)	Puerto Rico		1		Tex.
<i>Gymnosporangium globosum</i> Farl.: <i>Crataegus</i> sp.	Mexico	1			Tex.
<i>Helicoma olivaceum</i> (Karsten): <i>Paeonia moutan</i>	Japan			1	N. J.
<i>Helminthosporium turcicum</i> Pass.: <i>Saccharum officinarum</i> (sugarcane)	Mexico	1			Tex.
<i>Hendersonia camelliae</i> Pass.: <i>Camellia japonica</i> (camellia)	do			1	N. J.
<i>Heterosporium ornithogali</i> Klotzsch.: <i>Ornithogalum thyrsoides</i> (chinkeriechee).	Union of South Africa	1			Ill.
Jonathan spot: <i>Malus sylvestris</i> (apple)	Japan		1		Wash.
<i>Kuehneola malvicola</i> (Speg.) Arth.: <i>Hibiscus cardiophyllus</i>	Mexico			1	Tex.
<i>Hibiscus syriacus</i> (shrub-althea)	do	1			Tex.
<i>Leptosphaeria eustoma</i> (Fr.) Sacc.: <i>Musa</i> sp. (banana)	Cuba		1		N. Y.
<i>Leptothyrium macrothecium</i> Fekl.: <i>Paeonia moutan</i>	Japan			1	N. J.
<i>Macrophoma oncidii</i> P. Henn.: <i>Cattleya</i> sp. (orchid)	Mexico			1	Tex.
<i>Cypripedium callosum</i> (orchid)	Thailand			1	Calif.*
<i>Cypripedium haynaldianum</i> (orchid)	Philippines			1	Calif.*
<i>Macrosporium cucumerinum</i> E. & E.: <i>Cucurbita maxima</i> (squash)	Mexico	1			Tex.
<i>Marsonia juglandis</i> (Lib.) Sacc.: <i>Juglans</i> sp. (walnut)	do	1			Tex.
<i>Melampsora medusae</i> Thuem.: <i>Populus</i> sp. (cottonwood)	do	1			Tex.
<i>Melanconium betulinum</i> (Pers.) Kleb.: <i>Betula</i> sp. (birch)	England	1			N. Y.
<i>Melanconium sacchari</i> Mass.: <i>Saccharum officinarum</i> (sugarcane)	Mexico, Philippines	1	1		Pa., Tex.
<i>Meliola citricola</i> Syd.: <i>Citrus nobilis deliciosa</i> (tangerine)	China	2			Wash.
<i>Microdiplodia wistariae</i> Grove: <i>Wisteria</i> sp.	Japan			2	Calif.*
<i>Monilochaetes infuscans</i> Ell. & Hals.: <i>Ipomoea batatas</i> (sweetpotato)	Mexico	4			Ariz., Tex.
<i>Mycosphaerella brassicicola</i> (Fr.) Lindau: <i>Brassica oleracea capitata</i> (cabbage)	Ireland		1		Tex.
<i>Mycosphaerella citrullina</i> (Smith) Gross.: <i>Citrullus vulgaris</i> (watermelon)	Cuba	1			N. Y.
<i>Cucumis anguria</i> (West Indian gherkin).	Haiti	1			N. Y.
<i>Cucumis sativus</i> (cucumber)	Cuba	22	1		N. Y., Tex.
<i>Cucurbita maxima</i> (squash)	Cuba, Japan, Union of South Africa.	1	2		N. Y.
<i>Luffa cylindrica</i> (dish clout)	Cuba	1			N. Y.
<i>Momordica charantia</i> (balsam-pear)	do	3			N. Y.
<i>Momordica</i> sp.	do	1			N. Y.
<i>Sechium edule</i> (chayote)	Cuba, Jamaica	10	2		N. Y.
<i>Mycosphaerella pinodes</i> (Berk. & Blox) R. E. Stone:					
<i>Pisum sativum</i> (pea)	Portugal	1			Pa.
<i>Vicia faba</i> (fava bean)	do		1		N. Y.
<i>Oidium euonymi-japonici</i> (Arcang.) Sacc.: <i>Euonymus japonica</i>	Mexico	1			Tex.
<i>Euonymus japonica variegata</i>	Japan		1		Wash.
<i>Oospora citri-aurantii</i> C. O. Smith: <i>Citrus aurantifolia</i> (lime)	Cuba, Haiti, Mexico, Puerto Rico.	2	5		Pa., Tex.
<i>Citrus grandis</i> (grapefruit)	Argentina, Puerto Rico		2		Pa.
<i>Citrus sinensis</i> (orange)	Haiti		1		Pa.
<i>Fortunella japonica</i> (kumquat)	Philippines		1		Tex.
<i>Panagrolaimus rigidus</i> (Schneider) Thorne:					
Soil around banana plant	Costa Rica			1	N. Y.
<i>Paraphelenchus pseudoparietinus</i> Mic.: <i>Salvia officinalis</i> (sage)	Spain	1			N. Y.
<i>Peronospora effusa</i> (Grev.) Ces.: <i>Chenopodium album</i> (lambs-quarters)	Mexico	1			Ariz.
<i>Spinacia oleracea</i> (spinach)	do	101			Ariz., Tex.

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<i>Peronospora pisi</i> (DeBy.) Syd.: <i>Pisum sativum</i> (pea).....	Chile, Portugal.....		3		N. Y.
<i>Pestalozzia guepini</i> Desm.: <i>Ananas sativus</i> (pineapple).....	Mexico.....	1			Tex.
<i>Pestalozzia palmarum</i> Cke.: <i>Cocos nucifera</i> (coconut).....	Canal Zone.....	1			N. Y.
Palm.....	Brazil.....		1		N. Y.
<i>Pestalozzia rhododendri</i> (D. Sacc.) Guba: <i>Azalea indica</i> .....	Japan.....			4	Calif.*
<i>Pezizella lythri</i> (Desm.) Shear & Dodge: <i>Acer argutum</i> .....	do.....			1	Wash.
<i>Acer carpinifolium</i> (hornbeam maple).....	do.....			2	Wash.
<i>Paeonia moutan</i> .....	France, Japan.....			3	Calif.*, Wash.
<i>Paeonia</i> sp.....	Japan.....			1	N. J.
<i>Thuja</i> sp.....	Canada (?).....			1	Wash.
<i>Trachycarpus excelsa</i> (windmill palm).....	Japan.....			1	Wash.
<i>Phleospora multimaculans</i> Heald. & Wolf.: <i>Juglans</i> sp. (walnut).....	Mexico.....	1			Tex.
<i>Phoma bakeriana</i> Sacc.: <i>Vigna sinensis</i> (cowpea).....	Dutch Guiana.....		1		La.
<i>Phoma betae</i> (Oud.) Frank: <i>Beta vulgaris cicla</i> (Swiss chard).....	Cuba.....	1			N. Y.
<i>Phoma camelliae</i> Pass.: <i>Camellia japonica</i> (camellia).....	Japan.....			1	Wash.
<i>Phoma citricarpa</i> MeAlp.: <i>Citrus grandis</i> (grapefruit).....	Union of South Africa.....		1		N. Y.
<i>Citrus nobilis deliciosa</i> (tangerine).....	China.....	1			Wash.
<i>Citrus sinensis</i> (orange).....	Union of South Africa.....		1		N. Y.
<i>Phomopsis magnoliicola</i> Died.: <i>Magnolia</i> sp.....	Japan.....			1	Wash.
<i>Phomopsis vexans</i> (Sacc. & Syd.) Harter: <i>Solanum melongena</i> (eggplant).....	Martinique.....		1		Tex.
<i>Phyllachora maydis</i> Maubl.: <i>Zea mays</i> (corn).....	Guatemala.....	1			N. Y.
<i>Phyllosticta berolinensis</i> Henn.: <i>Rhododendron</i> sp.....	England.....			1	Wash.
<i>Phyllosticta erythroxyli</i> Graz.: <i>Erythroxyton coca</i> (cocaine-tree).....	Peru.....	1			N. Y.
<i>Phyllosticta galactis</i> (Cooke) E. & E.: <i>Galax aphylla</i> (galax).....	England.....		1		N. Y.
<i>Phyllosticta gardeniae</i> Cke.: <i>Gardenia florida</i> (Cape-jasmine).....	Cuba.....	1			Fla.*
<i>Phyllosticta laeliae</i> Keissler: <i>Cattleya</i> sp. (orchid).....	Costa Rica.....			1	Wash.
<i>Physalospora cattleyae</i> Maubl. & Lasn.: Orchid.....	Guatemala.....			1	P. R.
<i>Physalospora japonica</i> Togashi: <i>Camellia japonica</i> var.....	Japan.....			1	Calif.*
<i>Physalospora orchidearum</i> P. Henn.: <i>Stanhopea</i> sp. (orchid).....	Mexico.....			1	Calif.*
<i>Trichopilia tortilis</i> (orchid).....	do.....			1	Calif.*
<i>Pleosphaerulina briosiana</i> Pollacci: <i>Medicago sativa</i> (alfalfa).....	Kenya.....		1		N. Y.
<i>Puccinia allii</i> (DC.) Rud.: <i>Allium cepa</i> (onion).....	Spain.....		1		N. Y.
<i>Allium sativum</i> (garlic).....	Argentina, Madeira Islands, Spain.....		3		N. Y.
<i>Puccinia coronata</i> Cda.: <i>Avena sativa</i> (oats).....	Bahamas.....	1			Fla.*
<i>Puccinia menthae</i> Pers.: <i>Mentha</i> sp. (mint).....	Mexico.....		1		Tex.
<i>Puccinia ornithogali-thyrsoides</i> Diet.: <i>Ornithogalum</i> sp.....	Union of South Africa.....	1			Wash.
<i>Puccinia polygoni-amphibii persicariae</i> (Str.) Arth.: <i>Polygonum</i> sp.....	Canada.....	1			N. Y.
<i>Pucciniopsis caricae</i> Earle: <i>Carica papaya</i> (papaya).....	Brazil, Cuba, Jamaica.....	10	8		N. Y.
<i>Pyrenochaeta penicillata</i> Fekl.: <i>Medicago sativa</i> (alfalfa).....	Kenya.....		1		N. Y.
<i>Pyrenopeziza medicaginis</i> Fekl.: <i>Medicago sativa</i> .....	Mexico.....			1	N. J.
<i>Rhabdospora kirghisorum</i> (Thum.) Sacc.: <i>Ephedra vulgaris</i> .....	China.....	1			N. Y.

List of pests collected and reported from July 1, 1940, to June 30, 1941, inclusive—Con.

Disease and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
<i>Rotylenchus bradys</i> (Steiner & LeHew.) Filipjev:					
<i>Dioscorea</i> sp. (yam).....	Jamaica.....	1			N. Y.
<i>Schizophyllum commune</i> Fr.:					
<i>Anisoptera thurifera</i> .....	Philippines.....	1			Wash.
Hardwood log.....	Africa.....	1			N. Y.
<i>Sclerotinia gladioli</i> Drayt.:					
<i>Gladiolus</i> sp.....	Azores, Japan.....			5	Calif.*
<i>Sclerotinia kernerii</i> Wettstein:					
<i>Abies balsamea</i> (balsam fir).....	Newfoundland.....	3			N. Y.
<i>Abies</i> sp.....	Nova Scotia.....	1			N. Y.
<i>Sclerotinia trifoliorum</i> Erikss.:					
<i>Trifolium</i> sp.....	Ireland.....	1			N. Y.
<i>Sclerotium orchidearum</i> P. Henn.:					
Orchid.....	Costa Rica.....			1	Calif.*
<i>Septobasidium prunophilum</i> Couch.:					
<i>Prunus</i> sp.....	Japan.....		1		Calif.*
<i>Septoria apii</i> Chester:					
<i>Apium graveolens</i> (celery).....	Panama.....		1		Tex.
<i>Septoria fructigena</i> Berk. & Curt.:					
<i>Passiflora</i> sp.....	Azores.....		1		Pa.
<i>Septoria hydrangeae</i> Bizz.:					
<i>Hydrangea</i> sp.....	Mexico.....	1			Tex.
<i>Septoria musiva</i> Pk.:					
<i>Populus</i> sp. (cottonwood).....	do.....	1			Tex.
<i>Septoria pisi</i> West.:					
<i>Pisum sativum</i> (pea).....	Chile, Mexico.....	1	1		N. Y., Tex.
<i>Sphaceloma fawcettii scabiosa</i> (McAlp. & Trvon) Jenkins:					
<i>Citrus limonia</i> (lemon).....	Australia.....		1		N. Y.
<i>Sphacelotheca sorghicola</i> (Speg.) Zundel:					
<i>Holcus sorghum</i> var. (broomcorn).....	Argentina.....		1		N. Y.
<i>Sphaerotheca humuli</i> (DC.) Burr.:					
<i>Rosa</i> sp.....	Cuba.....	1			Fla.*
Spindle tuber:					
<i>Solanum tuberosum</i> (potato).....	Peru.....		1		Fla.*
<i>Stachylidium theobromae</i> Turc.:					
<i>Musa paradisiaca</i> (plantain).....	Cuba.....	6			N. Y.
<i>Thecaphora pustulata</i> Clinton:					
<i>Bidens pilosa</i> (?).....	Mexico.....	1			Ariz.
<i>Trochila ilicis</i> (Chev.) Cronan:					
<i>Ilex aquifolium</i> (English holly).....	England.....	1			N. Y.
<i>Trullula olivascens</i> Sacc.:					
<i>Paeonia moutan</i> var.....	France.....			1	Calif.*
<i>Uredo behnickiana</i> P. Henn.:					
<i>Epidendrum</i> sp. (orchid).....	Costa Rica.....			1	N. J.
<i>Oncidium</i> sp. (orchid).....	Costa Rica, Trinidad.....			2	N. J.
<i>Uredo epidendri</i> P. Henn.:					
<i>Epidendrum</i> sp. (orchid).....	Costa Rica.....			1	N. J.
<i>Uredo guacae</i> Mayor:					
<i>Epidendrum</i> sp.....	Venezuela.....			1	N. J.
<i>Uredo incomposita</i> Kern:					
<i>Eleocharis interstincta</i> .....	Haiti.....	1			N. Y.
<i>Uredo jucunda</i> Syd.:					
<i>Philodendron</i> sp.....	Costa Rica.....			1	N. J.
<i>Uredo oncidii</i> P. Henn.:					
<i>Oncidium lanceanum</i> (orchid).....	England.....			1	Calif.*
<i>Oncidium</i> sp.....	Brazil, England, Guatemala.....			3	N. J.
<i>Uromyces lespedezae-procumbentis</i> (Schw.) Curt.:					
<i>Lespedeza formosa altiflora</i> (Japanese bushclover).....	Japan.....			2	Wash.
<i>Ustilago nuda</i> (Jens.) Kell. & Sw.:					
<i>Hordeum vulgare</i> (barley).....	Mexico.....	2			Tex.
<i>Ustilago sphaerogena</i> Burr.:					
<i>Echinochloa crus-galli</i> .....	Japan.....	1			Wash.
<i>Valsa massariana</i> DeNot.:					
<i>Sorbus aucuparia</i> .....	Greenland.....		1		Pa.
<i>Vermicularia capsici</i> Syd.:					
<i>Capsicum annuum</i> (pepper).....	Haiti, Mexico.....	1		1	N. Y., Tex.
Virus, mosaic:					
<i>Capsicum annuum</i> (pepper).....	Mexico.....	256			Ariz., Tex.
<i>Lycopersicum esculentum</i> (tomato).....	do.....	1			Ariz.
Virus, spotted wilt:					
<i>Lycopersicum esculentum</i> .....	Cuba, Mexico.....	31			Ariz., Md.

## Hosts and diseases

- ABIES:**  
*Sclerotinia keneri* (Ascomycetes)  
**ACER:**  
*Pezizella lythri* (Ascomycetes)  
**AGAVE:**  
*Asterina mexicana* (Ascomycetes)  
**ALBIZZIA:**  
*Gloeosporium lebbec* (Deuteromycetes)  
**ALLIUM CEPA:**  
*Botrytis allii* (Deuteromycetes)  
*Puccinia allii* (Promycetes)  
**ALLIUM SATIVUM:**  
*Puccinia allii* (Promycetes)  
**AMARANTHUS:**  
*Albugo bliti* (Phycomycetes)  
**AMYGDALUS PERSICA:**  
*Coryneum beijerinckii* (Deuteromycetes)  
**ANANAS:**  
*Aphelenchoides parietinus* (Nematoda)  
*Pestalozzia guepini* (Deuteromycetes)  
**ANISOPTERA:**  
*Schizophyllum commune* (Basidiomycetes)  
**ANSELLIA**—See Orchidaceae  
**APIUM:**  
*Septoria apii* (Deuteromycetes)  
**AVENA:**  
*Puccinia coronata* (Promycetes)  
**AZALEA:**  
*Pestalozzia rhododendri* (Deuteromycetes)  
**BAMBUSA:**  
*Coniosporium shiraianum* (Deuteromycetes)  
**BETA:**  
*Phoma betae* (Deuteromycetes)  
**BETULA:**  
*Melanconium betulinum* (Deuteromycetes)  
**BIDENS:**  
*Thecaphora pustulata* (Promycetes)  
**BRASSIA**—See Orchidaceae  
**BRASSICA OLERACEA CAPITATA:**  
*Mycosphaerella brassicicola* (Ascomycetes)  
**CALLISTEPHUS:**  
*Coleosporium solidaginis* (Promycetes)  
**CAMELLIA:**  
*Hendersonia camelliae* (Deuteromycetes)  
*Phoma camelliae* (Deuteromycetes)  
*Physalospora japonica* (Ascomycetes)  
**CAPSICUM:**  
*Epicoccum nigrum* (Deuteromycetes)  
*Vermicularia capsici* (Deuteromycetes)  
Virus (mosaic)  
**CARICA:**  
*Ascochyta caricae* (Deuteromycetes)  
*Pucciniopsis caricae* (Deuteromycetes)  
**CATTLEYA**—See Orchidaceae  
**CHENOPODIUM:**  
*Peronospora effusa* (Phycomycetes)  
**CITRULLUS:**  
*Mycosphaerella citrullina* (Ascomycetes)  
**CITRUS AURANTIFOLIA:**  
*Bacterium citri* (Schizomycetes)  
*Oospora citri-aurantii* (Deuteromycetes)  
**CITRUS GRANDIS:**  
*Bacterium citri* (Schizomycetes)  
*Oospora citri-aurantii* (Deuteromycetes)  
*Phoma citricarpa* (Deuteromycetes)  
**CITRUS LIMONIA:**  
*Elsinoe fawcettii* (Ascomycetes)  
*Elsinoe fawcettii scabiosa* (Ascomycetes)  
**CITRUS NOBILIS DELICIOSA:**  
*Meliola citricola* (Ascomycetes)  
*Phoma citricarpa* (Deuteromycetes)  
**CITRUS SINENSIS:**  
*Bacterium citri* (Schizomycetes)  
*Bacterium syringae* (Schizomycetes)  
*Elsinoe australis* (Ascomycetes)  
*Oospora citri-aurantii* (Deuteromycetes)  
*Phoma citricarpa* (Deuteromycetes)  
**CITRUS SP.:**  
*Bacterium citri* (Schizomycetes)  
**COCOS:**  
*Eutypella cocos* (Ascomycetes)  
*Pestalozzia palmarum* (Deuteromycetes)  
**COFFEA:**  
*Cercospora coffeicola* (Deuteromycetes)  
**COLCHICUM:**  
*Cylindrosporium colchici* (Deuteromycetes)  
**COLOCASIA:**  
*Aphelenchoides parietinus* (Nematoda)
- CRATAEGUS:**  
*Gymnosporangium globosum* (Promycetes)  
**CUCUMIS:**  
*Mycosphaerella citrullina* (Ascomycetes)  
*Fusarium niveum* (Deuteromycetes)  
*Mycosphaerella citrullina* (Ascomycetes)  
**CUCURBITA:**  
*Erysiphe cichoracearum* (Ascomycetes)  
*Macrosporium cucumerinum* (Deuteromycetes)  
*Mycosphaerella citrullina* (Ascomycetes)  
**CYMBIDIUM**—See Orchidaceae  
**CYNODON:**  
*Claviceps microcephala* (Ascomycetes)  
**CYPRIPEDIUM**—See Orchidaceae  
**DAUCUS:**  
*Ceratostomella fimbriata* (Ascomycetes)  
**DENDROBIUM**—See Orchidaceae  
**DIOSCOREA:**  
*Rotylenchus bradys* (Nematoda)  
**DIANTHUS:**  
*Alternaria dianthi* (Deuteromycetes)  
**ECHINOCHLOA:**  
*Ustilago sphaerogena* (Promycetes)  
**ELEOCHARIS:**  
*Uredo incomposita* (Promycetes)  
**EPHEDRA:**  
*Rhabdospora kirghisorum* (Ascomycetes)  
**EPIDENDRUM**—See Orchidaceae  
**ERYTHROXYLON:**  
*Phyllosticta erythroxyli* (Basidiomycetes)  
**EUONYMUS:**  
*Oidium euonymi japonici* (Deuteromycetes)  
**FICUS:**  
*Aphelenchus avenae* (Nematoda)  
**FORTUNELLA:**  
*Oospora citri-aurantii* (Deuteromycetes)  
**GALAX:**  
*Phyllosticta galactis* (Deuteromycetes)  
**GARDENIA:**  
*Phyllosticta gardeniae* (Deuteromycetes)  
**GLADIOLUS:**  
*Acrospeira macrosporoidea* (Deuteromycetes)  
*Aspergillus ochraceus* (Deuteromycetes)  
*Sclerotinia gladioli* (Ascomycetes)  
**HIBISCUS:**  
*Glomerella cingulata* (Ascomycetes)  
*Kuehneola malvicola* (Promycetes)  
**HOLCUS:**  
*Sphacelotheca sorghicola* (Promycetes)  
**HORDEUM:**  
*Ustilago nuda* (Promycetes)  
**HYACINTHUS:**  
*Aphelenchus avenae* (Nematoda)  
**HYDRANGEA:**  
*Septoria hydrangeae* (Deuteromycetes)  
**ILEX:**  
*Trochila ilicis* (Ascomycetes)  
**IPOMOEA:**  
*Diplodia tubericola* (Deuteromycetes)  
*Mnilochaetes infuscans* (Deuteromycetes)  
**IRIS:**  
*Didymellina iridis* (Ascomycetes)  
**JUGLANS:**  
*Marsonia juglandis* (Deuteromycetes)  
*Phleospora multimaculans* (Deuteromycetes)  
**LACTUCA:**  
*Bremia lactucae* (Phycomycetes)  
**LAELIA**—See Orchidaceae  
**LESPEDEZA:**  
*Uromyces lespedezae-procumbentis* (Promycetes)  
**LOG:**  
*Schizophyllum commune* (Basidiomycetes)  
**LILIUM:**  
*Aphelenchoides parietinus* (Nematoda)  
*Aphelenchus avenae* (Nematoda)  
**LOCKHARTIA**—See Orchidaceae  
**LUFFA:**  
*Mycosphaerella citrullina* (Ascomycetes)  
**LYCOPERSICUM:**  
*Aphelenchoides parietinus* (Nematoda)  
*Dendrodochium lycopersici* (Deuteromycetes)  
*Epicoccum nigrum* (Deuteromycetes)  
Virus (mosaic)  
Virus (spotted wilt)  
**MAGNOLIA:**  
*Phomopsis magnoliicola* (Deuteromycetes)  
**MAHONIA:**  
*Cumminsella sanguinea* (Promycetes)

*Hosts and diseases—Continued*

- MALUS:**  
*Cephalosporium pammellii purpurascens* (Deuteromycetes)  
 Jonathan spot
- MEDICAGO:**  
*Pleosphaerulina briosiana* (Ascomycetes)  
*Pyrenochaeta penicillata* (Deuteromycetes)  
*Pyrenopeziza medicaginis* (Ascomycetes)
- MENTHA:**  
*Puccinia menthae* (Promycetes)
- MOMORDICA:**  
*Mycosphaerella citrullina* (Ascomycetes)
- MUSA PARADISIACA:**  
*Stachylidium theobromae* (Deuteromycetes)
- MUSA SP.:**  
*Cercospora musae* (Deuteromycetes)  
*Leptosphaeria eustoma* (Ascomycetes)
- NARCISSUS:**  
*Ditylenchus dipsaci* (Nematoda)
- NERIUM:**  
*Bacterium tonellianum* (Schizomycetes)
- NICOTIANA:**  
*Bacterium tabacum* (Schizomycetes)
- ODONTIODA—See Orchidaceae**
- ODONTOGLOSSUM—See Orchidaceae**
- ONCIDIUM—See Orchidaceae**
- ORCHIDACEAE:**  
*Aphelenchoides coffeae* (Nematoda)  
*Cercospora angreci* (Deuteromycetes)  
*Cercospora odontoglossi* (Deuteromycetes)  
*Colletotrichum orchidearum* (Deuteromycetes)  
*Diplodia henriquesiana* (Deuteromycetes)  
*Diplodia paraphysaria* (Deuteromycetes)  
*Gloeosporium affine* (Deuteromycetes)  
*Gloeosporium cattleyae* (Deuteromycetes)  
*Gloeosporium cinctum* (Deuteromycetes)  
*Gloeosporium cymbidii* (Deuteromycetes)  
*Gloeosporium laeliae* (Deuteromycetes)  
*Gloeosporium orchidearum* (Deuteromycetes)  
*Macrophoma oncidii* (Deuteromycetes)  
*Phyllosticta laeliae* (Deuteromycetes)  
*Physalospora cattleyae* (Ascomycetes)  
*Physalospora orchidearum* (Ascomycetes)  
*Sclerotium orchidearum* (Deuteromycetes)  
*Uredo behnickiana* (Promycetes)  
*Uredo epidendri* (Promycetes)  
*Uredo guarae* (Promycetes)  
*Uredo oncidii* (Promycetes)
- ORNITHOGALUM:**  
*Heterosporium ornithogali* (Deuteromycetes)  
*Puccinia ornithogali-thyrsoides* (Promycetes)
- PAEONIA:**  
*Coryneum microstictoides* (Deuteromycetes)  
*Helicoma olivaceum* (Deuteromycetes)  
*Leptothyrium macrothecium* (Deuteromycetes)  
*Peizizella lythri* (Ascomycetes)  
*Trullula olivascens* (Deuteromycetes)
- PALM:**  
*Pestalozzia palmarum* (Deuteromycetes)
- PASPALUM:**  
*Cerebella andropogonis* (Deuteromycetes)  
*Claviceps paspali* (Ascomycetes)  
*Fusarium heterosporum* (Deuteromycetes)
- PASSIFLORA:**  
*Septoria fructigena* (Deuteromycetes)
- PERSEA:**  
*Asterina delitescens* (Ascomycetes)
- PHASEOLUS LUNATUS MACROCARPUS:**  
*Diaporthe phaseolorum* (Ascomycetes)
- PHASEOLUS SP. (string bean):**  
*Diaporthe phaseolorum* (Ascomycetes)
- PHALAENOPSIS—See Orchidaceae**
- PHILODENDRON:**  
*Uredo jucunda* (Promycetes)
- PINUS:**  
*Ceratostomella ips* (Ascomycetes)
- PISUM:**  
*Mycosphaerella pinodes* (Ascomycetes)  
*Peronospora pisi* (Phycomycetes)  
*Septoria pisi* (Deuteromycetes)
- POLYGONUM:**  
*Puccinia polygoni-amphibii persicariae* (Promycetes)
- POPULUS:**  
*Melampsora medusae* (Promycetes)  
*Septoria musiva* (Deuteromycetes)
- PRUNUS:**  
*Septobasidium prunophilum* (Basidiomycetes)
- RHODODENDRON:**  
*Cercosporina rhododendri* (Deuteromycetes)  
*Coryneopsis microsticta* (Deuteromycetes)  
*Phyllosticta berolinensis* (Deuteromycetes)
- ROSA:**  
*Cercospora rosicola* (Deuteromycetes)  
*Sphaerotheca humuli* (Ascomycetes)
- SACCHARUM:**  
*Helminthosporium turcicum* (Deuteromycetes)  
*Melanconium sacchari* (Deuteromycetes)
- SALIX:**  
*Cytospora ambiens* (Deuteromycetes)
- SALVIA:**  
*Aphelenchus avenae* (Nematoda)  
*Paraphelenchus pseudoparietinus* (Nematoda)
- SCHOMBURGKIA—See Orchidaceae**
- SECHIUM:**  
*Mycosphaerella citrullina* (Ascomycetes)
- SOIL:**  
*Aphelenchus avenae* (Nematoda)  
*Panagrolaimus rigidus* (Nematoda)
- SOLANUM MELONGENA:**  
*Phomopsis vexans* (Deuteromycetes)
- SOLANUM TUBEROSUM:**  
 Spindle tuber
- SORBUS:**  
*Valsa massarina* (Ascomycetes)
- SPINACIA:**  
*Peronospora effusa* (Phycomycetes)
- STANHOPEA—See Orchidaceae**
- THEOBROMA:**  
*Colletotrichum incarnatum* (Deuteromycetes)
- THUYA:**  
*Peizizella lythri* (Ascomycetes)
- TRACHYCARPUS:**  
*Peizizella lythri* (Ascomycetes)
- TRICHOPILIA—See Orchidaceae**
- TRIFOLIUM SP.:**  
*Sclerotinia trifoliorum* (Ascomycetes)
- TRITICUM:**  
*Colletotrichum graminicolum* (Deuteromycetes)
- THEOBROMA:**  
*Colletotrichum incarnatum* (Deuteromycetes)
- ULMUS:**  
*Ceratostomella ulmi* (Ascomycetes)
- VANILLA—See Orchidaceae**
- VICIA:**  
*Mycosphaerella pinodes* (Ascomycetes)
- VIGNA:**  
*Phoma bakeriana* (Deuteromycetes)
- WISTERIA:**  
*Microdiplodia wistariae* (Deuteromycetes)
- WOOD:**  
*Erinella longispora* (Ascomycetes)
- XANTHOSOMA:**  
*Aphelenchus avenae* (Nematoda)
- ZEA:**  
*Fusarium moniliforme* (Deuteromycetes)  
*Phyllachora maydis* (Ascomycetes)
- ZINGIBER:**  
*Aphelenchoides parietinus* (Nematoda)
- ZINNIA:**  
*Erysiphe cichoracearum* (Ascomycetes)

*Country of origin and diseases*

- AFRICA:**  
*Schizophyllum commune*
- ARGENTINA:**  
*Cercospora rosicola*  
*Colletotrichum graminicolum*  
*Diplodia tubericola*  
*Elsinoe australis*  
*Oospora citri-aurantii*  
*Puccinia allii*  
*Sphacelotheca sorghicola*
- AUSTRALIA:**  
*Cerebella andropogonis*  
*Fusarium heterosporum*  
*Gloeosporium cinctum*  
*Sphaceloma sawcettii scabiosa*
- AZORES:**  
*Aphelenchoides parietinus*  
*Sclerotinia gladioli*  
*Septoria fructigena*



## Country of origin and diseases—Continued

- BAHAMAS:**  
*Diaporthe phaseolorum*  
*Puccinia coronata*
- BERMUDA:**  
*Alternaria dianthi*  
*Aphelenchoides parietinus*  
*Aphelenchus avenae*
- BRAZIL:**  
*Ascochyta caricae*  
*Diaporthe phaseolorum*  
*Diplodia tubericola*  
*Elsinoe australis*  
*Erinella longispora*  
*Gloeosporium laeliae*  
*Pestalozzia palmarum*  
*Pucciniopsis caricae*  
*Uredo oncidii*
- BRITISH COLUMBIA:**  
*Cumminsia sanguinea*
- CANADA:**  
*Bacterium tabacum*  
*Cercosporina rhododendri*  
*Pezizella lythri*  
*Puccinia polygoni-amphibii persicariae*
- CANAL ZONE**  
*Claviceps paspali*  
*Eutypella cocos*  
*Pestalozzia palmarum*
- CHILE:**  
*Botrytis allii*  
*Diplodia henriquesiana*  
*Peronospora pisi*  
*Septoria pisi*
- CHINA:**  
*Aphelenchoides parietinus*  
*Bacterium citri*  
*Meliola citricola*  
*Phoma citricarpa*  
*Rhabdospora kirghisorum*
- COLOMBIA:**  
*Aphelenchoides coffeae*  
*Diplodia henriquesiana*  
*Gloeosporium cattleayae*
- COSTA RICA:**  
*Aphelenchus avenae*  
*Cercospora musae*  
*Claviceps paspali*  
*Colletotrichum orchidearum*  
*Gloeosporium affine*  
*Panagrolaimus rigidus*  
*Phyllosticta laeliae*  
*Sclerotium orchidearum*  
*Uredo behnickiana*  
*Uredo epidendri*  
*Uredo jucunda*
- CUBA:**  
*Aphelenchoides parietinus*  
*Aphelenchus avenae*  
*Cercospora rosicola*  
*Coleosporium solidaginis*  
*Colletotrichum incarnatum*  
*Diplodia tubericola*  
*Mycosphaerella citrullina*  
*Oospora citri-aurantii*  
*Phoma betae*  
*Phyllosticta gardeniae*  
*Pucciniopsis caricae*  
*Sphaerotheca humuli*  
*Stachylidium theobromae*  
*Virus (spotted wilt)*
- DUTCH EAST INDIES:**  
*Bacterium citri*
- DUTCH GUIANA:**  
*Phoma bakeriana*
- ENGLAND:**  
*Aphelenchus avenae*  
*Ceratostomella fimbriata*  
*Ceratostomella ips*  
*Ceratostomella ulmi*  
*Cercospora angreci*  
*Cercospora odontoglossi*  
*Colletotrichum orchidearum*  
*Coryneopsis microsticta*  
*Cytospora ambiens*  
*Melanconium betulinum*  
*Phyllosticta berolinensis*  
*Phyllosticta galactis*  
*Trochila ilicis*  
*Uredo oncidii*
- FRANCE:**  
*Coryneum microstictoides*  
*Pezizella lythri*  
*Trullula olivascens*
- GREENLAND:**  
*Valsa massariana*
- GADELOUPE:**  
*Colletotrichum orchidearum*
- GUATEMALA:**  
*Cercospora musae*  
*Colletotrichum orchidearum*  
*Diplodia paraphysaria*  
*Phyllachora maydis*  
*Physalospora cattleayae*  
*Uredo oncidii*
- HAITI:**  
*Cercospora musae*  
*Mycosphaerella citrullina*  
*Oospora citri-aurantii*  
*Uredo incomposita*  
*Vermicularia capsici*
- HAWAII:**  
*Diplodia tubericola*
- HONDURAS:**  
*Colletotrichum orchidearum*  
*Gloeosporium lebbec*
- HUNGARY:**  
*Cylindrosporium colchici*
- INDIA:**  
*Bacterium citri*  
*Colletotrichum orchidearum*
- IRELAND:**  
*Mycosphaerella brassicicola*  
*Sclerotinia trifoliorum*
- JAMAICA:**  
*Cercospora musae*  
*Mycosphaerella citrullina*  
*Pucciniopsis caricae*  
*Rotulenchus bradys*
- JAPAN:**  
*Aphelenchoides parietinus*  
*Bacterium citri*  
*Cephalosporium pammellii purpurascens*  
*Colletotrichum orchidearum*  
*Coryneum microstictoides*  
*Ditylenchus dipsaci*  
*Gloeosporium cymbidii*  
*Helicoma olivaceum*  
*Jonathan spot*  
*Leptothyrium macrothecium*  
*Microdiplodia wistariae*  
*Mycosphaerella citrullina*  
*Oidium euonymi japonici*  
*Pestalozzia rhododendri*  
*Pezizella lythri*  
*Phoma camelliae*  
*Phomopsis magnoliicola*  
*Physalospora japonica*  
*Sclerotinia gladioli*  
*Septobasidium prunophilum*  
*Uromyces lespedezae-procumbentis*  
*Ustilago sphaerogena*
- JAVA:**  
*Bacterium citri*
- KENYA:**  
*Pleosphaerulina briosiana*  
*Pyrenochaeta penicillata*
- MADEIRA ISLANDS:**  
*Puccinia allii*
- MARTINIQUE:**  
*Phomopsis vexans*
- MEXICO:**  
*Albugo bliti*  
*Aphelenchoides parietinus*  
*Asterina delitescens*  
*Asterina mexicana*  
*Bacterium syringae*  
*Bacterium tonellianum*  
*Botrytis allii*  
*Bremia lactucae*  
*Cercospora angreci*  
*Cercospora coffeicola*  
*Cercospora musae*  
*Colletotrichum orchidearum*  
*Coryneum beijerinckii*  
*Dendrodochium lycopersici*  
*Diaporthe phaseolorum*  
*Didymellina iridis*  
*Diplodia tubericola*  
*Epicoccum nigrum*

## Country of origin and diseases—Continued

## MEXICO—Continued.

*Erysiphe cichoracearum*  
*Fusarium niveum*  
*Gloeosporium cattleyae*  
*Gloeosporium cinctum*  
*Gymnosporangium globosum*  
*Helminthosporium turcicum*  
*Hendersonia camelliae*  
*Kuehneola malvicola*  
*Leptosphaeria eustoma*  
*Macrophoma oncidii*  
*Macrosporium cucumerinum*  
*Marsonia juglandis*  
*Melampsora medusae*  
*Melanconium sacchari*  
*Monilochaetes infuscans*  
*Oidium euonymi-japonici*  
*Oospora citri-aurantii*  
*Peronospora effusa*  
*Pestalozzia guepini*  
*Phleospora multimaculans*  
*Physalospora orchidearum*  
*Puccinia menthae*  
*Pyrenopeziza medicaginis*  
*Septoria hydrangeae*  
*Septoria musiva*  
*Septoria pisi*  
*Thecaphora pustulata*  
*Ustilago nuda*  
*Vermicularia capsici*  
 Virus (mosaic)  
 Virus (spotted wilt)

NEWFOUNDLAND:  
*Sclerotinia kernerii*

NEW ZEALAND:  
*Acrospeira macrosporoidea*

NOVA SCOTIA:  
*Sclerotinia kernerii*

PANAMA:  
*Septoria apii*

PERU:  
*Diplodia henriquesiana*  
*Phyllosticta erythroxyli*  
 Spindle tuber

PHILIPPINES:  
*Bacterium citri*  
*Colletotrichum orchidearum*

## PHILIPPINES—Continued.

*Diplodia tubericola*  
*Macrophoma oncidii*  
*Melanconium sacchari*  
*Oospora citri-aurantii*  
*Schizophyllum commune*

PORTUGAL:  
*Aphelenchus avenae*  
*Mycosphaerella pinodes*  
*Peronospora pisi*

PUERTO RICO:  
*Cercospora rosicola*  
*Glomerella cingulata*  
*Oospora citri-aurantii*

SPAIN:  
*Aphelenchus avenae*  
*Paraphelenchus pseudoparietinus*  
*Puccinia allii*

THAILAND:  
*Colletotrichum orchidearum*  
*Gloeosporium affine*  
*Macrophoma oncidii*

TRINIDAD:  
*Diplodia tubericola*  
*Uredo behnickiana*

TURKEY:  
*Aspergillus ochraceus*

UNION OF SOUTH AFRICA:  
*Claviceps microcephala*  
*Fusarium moniliforme*  
*Heterosporium ornithogali*  
*Mycosphaerella citrullina*  
*Phoma citricarpa*  
*Puccinia ornithogali-thyrsoides*

UNKNOWN (via England):  
*Coniosporium shiraianum*

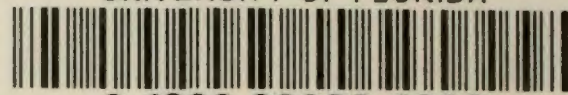
URUGUAY:  
*Elsinoe sawceitii*

VENEZUELA:  
*Colletotrichum orchidearum*  
*Diplodia paraphysaria*  
*Gloeosporium orchidearum*  
*Uredo guacae*

VIRGIN ISLANDS:  
*Diaporthe phaseolorum*

YUGOSLAVIA:  
*Cylindrosporium colchici*





Faculty of Economics and Statistics - Department

1. The first part of the paper is devoted to a general discussion of the problem of the determination of the equilibrium interest rate in a two-sector economy. It is shown that the equilibrium interest rate is determined by the relative supply and demand for capital in the two sectors. The equilibrium interest rate is higher in the capital-intensive sector and lower in the labor-intensive sector.

2. The second part of the paper is devoted to a detailed analysis of the determination of the equilibrium interest rate in a two-sector economy. It is shown that the equilibrium interest rate is determined by the relative supply and demand for capital in the two sectors. The equilibrium interest rate is higher in the capital-intensive sector and lower in the labor-intensive sector.

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