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UNITED STATES DEPARTMENT OF AGRICULTURE  
 AGRICULTURAL RESEARCH SERVICE  
 PLANT QUARANTINE DIVISION  
 WASHINGTON 25, D.C.

**LIST OF INTERCEPTED PLANT PESTS, 1962**

(Pests Recorded From July 1, 1961, Through June 30, 1962)

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Compiled by  
 Bessie C. Mumford  
 Plant Quarantine Aid

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**INTRODUCTION**

This 49th interception list summarizes records of plant pests found in, on, or with plants, plant products, baggage, cargo, mail, and means of conveyance (1) imported into or entering the United States or its possessions, (2) offered for entry but refused, (3) in quarters and stores of planes and ships, (4) offered for entry for immediate transportation and exportation in bond, (5) in domestic shipments to the mainland from the States of Alaska and Hawaii, the American Virgin Islands, the Commonwealth of Puerto Rico, Guam, and other offshore possessions, or (6) in preclearance inspection in the Bahamas and Bermuda.

The pests listed include insects, mites, snails, bacteria, fungi, nematodes, and viruses of known or potential plant quarantine significance to the United States. Some common organisms are included if they are new to the country of origin or the host plant or are of limited distribution in this country.

The data for this list include identifications received during the fiscal year 1962 and represent some interceptions made during previous years, since occasionally determinations are delayed because of heavy work loads or lack of specialists for certain types of organisms. Most identifications are made by specialists of the Entomology Research Division, the Plant Quarantine Division (both of the U.S. Department of Agriculture), and the U.S. National Museum, although collaborating State officials identify many pests intercepted in California. Snail identifications are made by taxonomists in the Division of Mollusks of the U.S. National Museum. Some critical studies and determinations are made by specialists of the Crops Research Division. Many host plants are identified by workers in the Department of Botany of the Smithsonian Institution.

Scientific names of insects and diseases are reviewed by specialists of the Plant Quarantine Division, who also assist in preparing the list. Nematode names are checked in Nematology Investigations and host names are reviewed in the New Crops Research Branch. Every effort is made to conform to the International Rules of Nomenclature.

However, in the disease tabulation the name of the stage found is often listed rather than the perfect stage. Family names are listed with the insects in the tabulation and orders are shown in the host list. Classes of the diseases are given in the disease host list.

Pests determined only to family are not usually recorded unless they are fruit flies, new species, or of some special significance. Snails not identified to species are not recorded.

### NOTES ON PESTS INTERCEPTED

The total number of interceptions for the fiscal year 1962 was 33,033, as compared with 25,575 the previous year. This does not include certain common pests which are widespread in this country and are no longer recorded. Of the total, 10,921 were considered important enough to be reported in this list. This figure includes the incompletely determined pests which were significant.

#### Airborne Material

Interceptions of pests arriving by air totaled 10,005, of which 8,625 were insects or snails and 1,380 were diseases or nematodes. There were 311 interceptions of significant insects found as stowaways on airplanes. Among the important pests arriving by air were 27 interceptions of the European cherry fruit fly, 105 of the Mediterranean fruit fly, 7 of the Mexican fruit fly, 34 of the olive fruit fly, 15 of the oriental fruit fly, 29 of the pink bollworm, 119 of the West Indian fruit fly, 224 of the black spot of citrus, 112 of citrus canker, 78 of the sweet orange scab, and 35 of the golden nematode.

#### FRUIT FLIES

A total of 473 fruit fly interceptions were identified to species as follows:

*Anastrepha ludens*, the Mexican fruit fly, was intercepted 76 times; 75 were from Mexico and 1 from Guatemala. The hosts were grapefruit, lime, mango, pear, quince, sour orange, sweet orange, and white sapote.

*Anastrepha mombinpraeoptans*, the West Indian fruit fly (145 times), in guava, mango, purple mombin, rose-apple, sweet orange, tropical almond, and yellow mombin from Barbados, British Honduras, Costa Rica, Curacao, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, and Venezuela.

*Anastrepha serpentina* (3 times) in mamey sapote and sapodilla in air baggage from El Salvador.

*Anastrepha suspensa* (3 times) in guava in air baggage from Jamaica and baggage from Puerto Rico.

*Ceratitis capitata*, the Mediterranean fruit fly (140 times), in apple, Arabian coffee berry, Cattley guava, *Coffea* sp. berry, fig, grape, grapefruit, lemon, loquat, Mandarin orange, mountainash fruit, nectarine, peach, pear, pepper, persimmon, plum, pomegranate, pricklypear, quince, rosaceous fruit, sweet orange, and tropical almond. Countries of origin were Argentina, Azores, Brazil, Cyprus, Greece, Hawaii, Israel, Italy, Lebanon, Portugal, Spain, Turkey, United Arab Republic, and an unknown origin. *C. capitata*(?) (10 times) in Arabian coffee berry, *Coffea* sp. berry, grapefruit, kaki persimmon, pummelo, screwpine lei, and sweet orange from Argentina, Ethiopia, Hawaii, Italy, Peru(?), and Spain.

*Ceratitis colae* (once) in *Coffea* sp. berry in airmail from Ethiopia.

*Dacus dorsalis*, the oriental fruit fly (20 times), in banana, breadfruit, guava, mango, orange-jasmine fruit, papaya, and tropical almond from Guam, Hawaii, and the Philippines. *D. dorsalis*(?) (3 times) in guava, Malay-apple, and tropical almond from Hawaii and an unknown origin.

*Dacus oleae*, the olive fruit fly (43 times), in olive in air baggage and baggage from Cyprus, Italy, Lebanon, Spain, and Syria.

*Rhagoletis cerasi*, the European cherry fruit fly (28 times), in cherry in air baggage, air stores, and stores from Czechoslovakia, France, Germany, Italy, Spain, and an unknown origin.

*Toxotrypana curvicauda* (once) in papaya in aircargo from Puerto Rico.

#### INSECTS OTHER THAN FRUIT FLIES

The following insect interceptions are of particular significance:

*Acrolepia assectella* (Hyponomeutidae) in leek in stores from Denmark, France, Italy, Netherlands, Norway, and Spain; with miscellaneous stores from France; and in onion in air baggage from France.

*Adoretus sinicus* (Scarabaeidae) as stowaway on airplane, on copperleaf plant, baggage, flowers, mango, and orchid in air baggage from Hawaii.

*Adoxophyes reticulana* (= *A. orana*) (Tortricidae) on cut lilac in aircargo from the Netherlands.

*Aleurocanthus woglumi* (Aleyrodidae), the citrus blackfly (10 times), on *Citrus* sp. leaf in air baggage from Ecuador and baggage and cargo from Mexico, on lime leaf in baggage and cargo from Mexico, and on sweet orange leaf in baggage from Mexico.

*Aleurotrachelus camelliae* (Aleyrodidae) on camellia leaf in airmail from Japan.

*Ancylostomia stercorea* (Phycitidae) in bean, on bromeliad leaf, in chickpea, pea, and pigeonpea. Countries of origin were the Canal Zone, Dominican Republic, Ecuador, El Salvador, Haiti, Jamaica, Mexico, Panama, St. Kitts, St. Martin, and Tortola.

*Arge similis* (Argidae) on *Rhododendron* sp. cutting and torch azalea plant in airmail from Japan.

*Argyresthia conjugella* (Hyponomeutidae) in apple in air baggage from Norway and the Union of Soviet Socialist Republics and in mountainash berry in air baggage from England, Norway, and Scotland.

*Aspidiotus destructor* (Coccidae) on arrowroot leaf in airmail from Panama; on coconut in air baggage from the Bahamas, baggage from the American Virgin Islands, Costa Rica, Nicaragua, and Panama, quarters from the Cayman Islands, and stores from Costa Rica; on kentia palm leaf in stores from Japan; on plum in baggage from Mexico; and on tropical almond in baggage from Jamaica.

*Austrotortrix postvittana* (Tortricidae) in airplane from New Zealand.

*Blastodacna atra* (Cosmopterigidae) in apple in air stores from an unknown origin and in baggage from Poland.

*Brachycerus albidentatus* (Curculionidae) in garlic in baggage from Italy.

*Bruchus tristis* (Bruchidae) in grass peavine seed in baggage from Italy and in lupine seed in air baggage from the Azores.

*Cacoecimorpha pronubana* (Tortricidae) on cut carnation in airmail from an unknown origin, on miscellaneous plant material in aircargo from France, and on pomegranate in air baggage and baggage from Italy.

*Carposina niponensis* (Carposinidae) in apple in air stores, quarters, and stores and in pear in air baggage from Japan.

*Ceroplastes rubens* (Coccidae) on cibotium fern in mail from Hawaii, on maile alyxia leaf in baggage from Hawaii, and on polypody fern in air baggage from Tahiti.

*Chilo suppressalis* (Crambidae), the Asiatic rice borer (18 times), with aircargo from Japan and in rice straw in air baggage from Japan and Spain, baggage from the Philippines, Spain, and an unknown origin, and in cargo, mail, and stores from Japan.

*Cladius pectinicornis* (Tenthredinidae) on cut roses in air baggage from Denmark, England, and Germany and air stores from the Netherlands; on rose cutting in air baggage from England; and in soil with holly plant in baggage from Switzerland.

*Coccus viridis* (Coccidae) (151 times) on *Alpinia purpurata*, alstonia leaf, Arabian coffee berry, Brazil peppertree, *Citrus* sp. leaf, frangipani, gardenia, ixora, lime-berry leaf, and tuberose from Fiji, Hawaii, New Guinea, and Tahiti.

*Conotrachelus aguacatae* (Curculionidae) (11 times) in avocado in baggage from Mexico.

*Coptotermes testaceus* (Rhinotermitidae) in jacaranda log in cargo from Brazil.

*Cryptoblabes gnidiella* (Phycitidae) in grape in air baggage from Italy; in pomegranate in air baggage from France, Israel, and Italy and baggage from Greece and Italy; and in sweet orange in aircargo from Italy, air stores from Spain and an unknown origin, and stores from Spain.

*Cryptophlebia leucotreta* (Olethreutidae) in Arabian coffee in mail from Ethiopia and in sweet orange in stores from the Republic of South Africa.

*Curculio elephas* (Curculionidae) (121 times) in chestnut in air baggage, baggage, cargo, and mail from Greece, Italy, Portugal, Spain, and Yugoslavia; in cork oak seed in mail from Spain; and in oak seed in air baggage from Italy.

*Cylas formicarius elegantulus* (Curculionidae) in sweetpotato in air baggage from Cuba, Dominican Republic, and Haiti(?), baggage from Antigua, cargo from the Dominican Republic, quarters from Trinidad, and stores from Cuba, Dominican Republic, and Venezuela.

*Cylas puncticollis* in sweetpotato in cargo from Sierra Leone.

*Dialeurodes kirkaldyi* (Aleyrodidae) on Arabian jasmine leaf in air baggage, baggage, and mail from Hawaii; on gardenia leaf in air baggage from Tahiti; and on jasmine leaf in baggage from the Philippines.

*Diatraea magnifactella* (Crambidae) in sugarcane node in baggage from Mexico.

*Dichocrocis punctiferalis* (Pyraustidae) on pine tree in baggage from Japan.

*Epinotia aporema* (Olethreutidae) in string bean in baggage and stores from Mexico.

*Euscepes postfasciatus* (Curculionidae) in sweetpotato in air baggage from Puerto Rico, baggage from Hawaii, and stores from Brazil, Peru, and Trinidad.

*Evergestis forficalis* (Pyraustidae) in cabbage in stores from France, Germany, and Italy.

*Frankliniella formosae* (Thripidae) (53 times) on carnation, chrysanthemum, cyclamen, fairybells, flowers, gardenia, lychee, rice, roses, and screwpine. Countries of origin were American Samoa, Formosa, Hong Kong, Japan, Okinawa, Philippines, and an unknown origin.

*Frankliniella intonsa* (Thripidae) (15 times) on carnation, flowers, gladiolus, nursery stock, roses, and in soil with primrose plant from England, France, Germany, Iceland, Israel, Netherlands, and unknown origin, and Yugoslavia.

*Gnorimoschema ocellatella* (Gelechiidae) in beet in stores from the United Arab Republic, with stores by air from Italy, and in Swiss chard in stores from Italy.

*Grapholitha funebrana* (Olethreutidae) in plum in air baggage from Czechoslovakia and Poland.

*Grapholitha janthiana* (Olethreutidae) in apple in air baggage from Hungary.

*Gymnandrosoma aurantianum* (Olethreutidae) in sweet orange in air stores from an unknown origin and stores from Colombia.

*Harmolita ips* (Eurytomidae) in straw packing in cargo from France.

*Lampides boeticus* (Lycaenidae) in agati sesbania in air baggage and in mauna loa lei in air baggage, baggage, and quarters from Hawaii; and in pea in stores from Japan.

*Laspeyresia araucaria* (Olethreutidae) in *Araucaria* sp. seed in airmail and in Norfolk-Island-pine seed in air baggage and aircargo from Brazil and in parana araucaria seed in aircargo from Argentina.

*Leucinodes orbonalis* (Pyraustidae) in eggplant in stores from West Africa.

*Leucoptera scitella* (Lyonetiidae) with apple in air stores from England and stores from Italy.

*Lixus junci* (Curculionidae) in beet in stores from the United Arab Republic.

*Lobesia botrana* (Olethreutidae) in grape in air baggage from England, Italy, and Lebanon.

*Mamestra brassicae* (Noctuidae) on cabbage in stores from France, Italy, and the Netherlands; on cauliflower in stores from France and Italy; on Chinese cabbage in stores from Japan; on lettuce in stores from Germany; and on Swiss chard in stores from Italy.

*Maruca testulalis* (Pyraustidae) in hyacinth bean in air baggage from Trinidad; in mauna loa flowers in air baggage and baggage from Hawaii; in *Phaseolus* sp. in stores from Angola; in pigeonpea in air baggage from the Dominican Republic and Grenada and in aircargo, airmail, and cargo from Puerto Rico; in sesbania in air baggage and baggage from Hawaii; in string bean in air baggage and cargo from Puerto Rico and stores from Brazil, Japan, Puerto Rico, and Surinam; and in *Strongylodon macrobotrys* in air baggage from the Philippines.

*Matsumuraeses phaseoli* (Olethreutidae) in string bean in stores from Japan.

*Melolontha melolontha* (Scarabaeidae) (5 times) as stowaway on airplane from France and Switzerland.

*Neoleucinodes elegantalis* (Pyraustidae) in eggplant in air baggage from Brazil, naranjilla in air baggage from Colombia, and in tomato in cargo from Mexico.

*Oulema melanopa* (Chrysomelidae) with cabbage in stores from Italy.

*Parlatoria zizyphus* (Coccidae) (55 times) on *Citrus* sp. leaf, grapefruit, lemon,

lime, Mandarin orange, pummelo, and sweet orange. Countries of origin were Algeria, British Guiana, China, Formosa, France, Guam, Hawaii, Hong Kong, Iran, Italy, Japan, Okinawa, Philippines, Republic of the Congo, Thailand, Tunisia, and an unknown origin.

*Pectinophora gossypiella* (Gelechiidae), the pink bollworm (59 times), in bale of cotton in aircargo from Puerto Rico; in cotton boll in air baggage from Antigua, Bermuda, Cayman Islands, Cuba, Hawaii, and Turkey, baggage and quarters from Mexico, and mail from Hawaii; in cotton lint in quarters from Mexico; in cottonseed in aircargo and mail from India, baggage and quarters from Mexico, and cargo from Pakistan and Thailand; in okra pod in air baggage from Barbados, Dominican Republic, and Haiti, aircargo from Jamaica, and stores from the Dominican Republic; in seed cotton in aircargo from Pakistan and cargo and quarters from Mexico; in seed of Sea Island cotton in air baggage from Hawaii; and in seed of Upland cotton in quarters from Mexico.

*Petrova cristata* (Olethreutidae) in Japanese black pine cone in stores from Japan.

*Pieris brassicae* (Pieridae) (14 times) in cabbage in stores from the Azores, Belgium, and Italy; in cauliflower in stores from Germany and Italy; and with military cargo from Italy.

*Prays oleellus* (Hyponomeutidae) in olive in air baggage from Italy, Lebanon, and Syria and aircargo from Italy.

*Prodenia litura* (Noctuidae) in airplane from the West Pacific, on flowers in air quarters from Formosa, on gladiolus in air baggage from Japan, and in pepper in stores from Israel.

*Rhynchaenus populi* (Curculionidae) on cut lilac in aircargo from the Netherlands.

*Sesamia cretica* (Noctuidae), the durra stem borer (8 times), in broomcorn in air baggage from France and Greece, baggage from Italy, and cargo from Greece and Italy.

*Stenoma catenifer* (Stenomidae) (35 times) in avocado in air baggage from British Honduras, Colombia, Costa Rica, Ecuador, El Salvador, Nicaragua, Panama, and Venezuela, aircargo from Mexico and Panama, baggage from Honduras, Mexico, and Panama, quarters from Ecuador, and stores from Colombia, Ecuador, and Panama.

*Taeniothrips gracilis* (Thripidae) (18 times) on autumn lycoris, shorttube lycoris, and *Lycoris* sp. bulbs in cargo from Japan; on polyanthus narcissus in air baggage from Hong Kong; and on snapdragon in air baggage from Japan.

*Tetranychus viennensis* (Tetranychidae) on apple in air baggage from Poland.

*Thrips major* (Thripidae) on carnation in aircargo from Italy; on China aster in air baggage from the Netherlands; on mixed flowers in air baggage from England and air quarters from England, Turkey, and an unknown origin; on nursery stock in cargo from the Netherlands; and on roses in air baggage from Denmark, England, and Poland.

*Trogoderma granarium* (Dermestidae), the khapra beetle (249 times), with bagging (including new and used burlap and wrappers on various cargo shipments and stores), in bean, in cargo hold of ship, in cinnamon quills, corn seed (in mail), cumin seed, debris, grain residue, guar gum, gum arabic, gum ghatti, karaya gum, mangrove bark, myrobalan, pea, peanut, pigeonpea, rice, soybean, turmeric, various dry stores, and wheat flour and straw. Countries of origin were Belgium, Ceylon, China, England, Formosa, France, Greece, Hong Kong, India, Indonesia, Iran, Italy, Korea, Kuwait, Mexico, Netherlands, Pakistan, Senegal, Sierra Leone, Singapore, Sudan, Tanganyika, Thailand, United Arab Republic, an unknown origin, and West Africa.

*Udea ferrugalis* (Pyraustidae) on cabbage in stores from Portugal, on cauliflower in stores from England, on celery in stores from France, on geranium leaf in air baggage from Portugal, and on zucchini squash in stores from Italy.

*Unaspis yanonensis* (Coccidae), the yanone scale (356 times), on calamondin orange, *Citrus* sp., grapefruit, ichandarin, lemon, lime, King orange, Mandarin orange, pummelo, sour orange, sweet orange, and tangelo. Countries of origin were Australia, Hong Kong, Japan, Philippines, and an unknown origin.

*Zeadiatraea lineolata* (Crambidae) in corn in air baggage from Guatemala and air stores from the Bahamas.

#### SNAILS

The following snail interceptions are of special interest:

*Achatina fulica* (10 times) in air baggage from Hawaii and with military cargo from Okinawa.

*Archachatina marginata* in aircargo from Spain.

*Arianta arbustorum* in soil with rose plant in mail from Germany and on strawberry plant in aircargo from the Netherlands.

*Bradybaena similaris* (7 times) on *Anthurium* sp. flower, fern asparagus, and ginger root in mail from Hawaii; and with snapdragon flower and unidentified plant in air baggage from Bermuda.

*Cochlicella barbara* (26 times) on common four-o'clock seed in cargo from France; on military cargo from Italy, Libya, Morocco, and Spain; and in soil in baggage from Italy.

*Cochlicella conoidea* on military cargo from Spain.

*Cochlicella ventrosa* (16 times) on broccoli seed in baggage from Italy; on cedar block in stores from Bermuda; on military cargo from the Azores, Italy, Morocco, Spain, and Turkey; and in soil with unidentified plant in air baggage from Bermuda.

Fourteen species of *Helicella* were intercepted a total of 75 times on automobile, baggage, general cargo, military cargo, soil, and various plant material from the Azores, Cuba, England, France, Greece, Italy, Spain, Turkey, and an unknown origin.

*Monacha cantiana* with unidentified plants in cargo from Germany.

*Monacha carthusiana* on sainfoin seed in baggage from Italy.

*Monacha olivieri* with military cargo from Turkey.

*Rumina decollata* on palm seed in baggage from Mexico and in soil with unidentified plant in air baggage from Bermuda and baggage from Mexico.

*Sculptaria reticulata* on *Myrothamnus flabellifolia* plant in aircargo from the Republic of the Congo.

*Subulina octona* (15 times) on military cargo from Libya; on orchid plant in air baggage from British Honduras, aircargo from British Honduras, Colombia, and Jamaica, baggage from Jamaica, and cargo from Mexico; in soil with coleus plant in air baggage from Honduras; in soil with croton plant in air baggage from Jamaica; in soil with *Dieffenbachia* sp. plant in baggage from Puerto Rico; and in soil with unidentified plant in baggage from Mexico.

*Theba pisana*, the Mediterranean land snail (82 times), on automobile, in air baggage, on general cargo and military cargo; on cipollino, flowers, herb, mollusk, rose, rosemary, and various plant material in air baggage, aircargo, and cargo; and on cabbage, cauliflower, lettuce, miscellaneous stores, parsley, and potato in stores. Countries of origin were the Azores, Cuba, France, Israel, Italy, Libya, Morocco, Spain, and an unknown origin.

*Theba planata* on military cargo from Spain.

*Veronicella moreleti* on banana in cargo from Honduras and on *Chamaedorea* sp. palm leaf in aircargo from Mexico.

Other snails of potential economic importance were: *Bulimulus fraterculus*, *B. hepatostomus*, *B. unicolor*, *Capillifera plebeia*, *Ceciloides acicula*, *C. aperta*, *Cepaea nemoralis*, *Helicina neritella*, *H. substriata*, *H. zephyrina*, *Helix aspersa*, *H. cincta*, *H. leucorum*, *H. pomatia*, *Lamellaxis gracilis*, *Limax marginatus*, *Neocyclotus dysoni cookei*, *Otala lactea*, *O. vermiculata*, and *Oxychilus alliarius*.

#### DISEASES

*Elsinoe australis*, the sweet orange scab, was intercepted 213 times; 129 from Brazil, 64 from Argentina, 13 from an unknown origin, 4 from Paraguay, and 3 from Uruguay. The hosts were *Citrus reticulata* hybrid, grapefruit, lemon, lime, Mandarin orange, sweet orange, and tangor.

*Guignardia (Phoma) citricarpa*, the black spot of citrus, was intercepted 464 times; 95 from Japan, 91 from Hong Kong, 83 from the Republic of South Africa, 63 from Australia, 44 from an unknown origin, 36 from China, 18 from Formosa, 7 from Asia (country(?)), 5 each from Brazil and the Philippines, 4 from Tahiti(?), 3 from Okinawa, 2 each from Argentina and Korea, and 1 each from the Federation of Malaya, Macao, Mozambique, Singapore, Thailand, and Vietnam. The hosts were *Citrus* sp., *Fortunella* sp.(?), grapefruit, lemon, lime, Mandarin orange, pummelo, sour orange, sweet orange, and tangelo.

*Xanthomonas citri*, citrus canker, was intercepted 271 times; 217 from Japan, 20 from Hong Kong, 10 from India, 9 from an unknown origin, 5 from China, 4 from Thailand, 2 from Formosa, and 1 each from Afghanistan, the Federation of Malaya, Guam, and Indonesia. The hosts were *Citrus aurantium* X *C. reticulata*, *Citrus* sp., grapefruit, ichandarin, lemon, lime, Mandarin orange, pummelo, sour orange, sweet orange, tangelo, tangor, and "yuzu."



*Xanthomonas* sp. (Cancrosis B) was intercepted 17 times; 10 from Argentina, 5 from an unknown origin, and 1 each from Brazil and Uruguay. The hosts were lemon, Mandarin orange, and sweet orange.

Other pathogens of special interest are:

*Ascochyta armoraciae* on horseradish tops in stores from Germany. Not reported from the United States as far as is known.

*Coniothyrium trabutii* on geranium leaf in baggage from Mexico. No reports from there as far as known.

*Diaporthe camelliae* on camellia twig in airmail from New Zealand.

*Didymascella thujina* on leaf of arborvitae plant in baggage from Canada.

*Elsinoe piri* (*Sphaceloma* stage) on apple in stores from Spain.

*Gymnosporangium cornutum* on European mountain ash leaf in air baggage from Finland and baggage from Norway.

*Gymnosporangium haraeaeum* on pyramid Chinese juniper in air baggage and cargo from Japan.

*Macrophoma dalmatica* on olives in air baggage from Lebanon.

*Phomopsis cedrelae* on cigarbox cedrela seed and pod in aircargo from Dominica.

*Phyllosticta bromeliae* on bromeliad in baggage from Mexico.

*Puccinia abyssinica* on *Jasminum abyssinicum* leaf in mail from Ethiopia.

*Puccinia iridis* on iris leaf in air baggage from Bermuda and aircargo from Haiti.

*Pythium intermedium*, *P. mamillatum*, *P. salpingophorum*, and *P. ultimum* on roots of trees in aircargo from the Union of Soviet Socialist Republics.

*Rhytisma ilicis-latifoliae* (*Melasmia* stage) on *Ilex integra* leaf in airmail from Japan.

*Septoria minimum* on anthurium leaf in airmail from France and mail from the Netherlands.

*Sphaceloma fawcettii* var. *scabiosa* (10 times) on lemon in air stores, quarters, and stores from Australia.

*Sphaceloma punicae* on pomegranate in air baggage from the Dominican Republic. New locality for this fungus.

*Sphaceloma rosarum* on rose leaf in air baggage from England and Germany.

*Sphaceloma spondiadis*(?) on vi-apple in baggage from Puerto Rico.

*Sphaerophragmium acaciae* on Lebbek albizzia leaf in baggage from the Bahamas.

*Thecaphora solani* on *Solanum stoloniferum* tuber in baggage from Mexico.

*Uredo nidularii* on bromeliad leaf in air baggage from Colombia and aircargo from Costa Rica; and on tillandsia leaf in aircargo from Mexico and Panama.

*Uromyces fabae* on lentil in airmail and mail from Chile.

CORRECTION: The 1960 list showed *Pucciniastrum arcticum* Tranz. on *Rubus chamaemorus* from Norway. This has now been identified as *Melampsorium betulinum* (Fr.) Kleb. on *Betula odorata*.

#### NEMATODES

*Aphelenchoides fragariae* in bletilla orchid in cargo from Japan.

*Aphelenchoides subtenuis* in narcissus in cargo from Italy.

*Criconema celetum* in soil with anthurium plants in baggage from Mexico.

*Criconemoides curvatum* in soil with begonia in baggage from Argentina and in soil with unidentified plant in baggage from Mexico.

*Criconemoides mutabile* in soil with carpetgrass, philodendron, pine seedling, and treebine in baggage from Mexico.

*Criconemoides peruense* in soil with begonia in baggage from Mexico.

*Ditylenchus destructor* in autumn-crocus and Blushing Bride dwarf gladiolus in cargo from the Netherlands.

*Ditylenchus dipsaci* in garlic in cargo from Mexico; and in narcissus bulb in mail and onion sets in baggage from England.

*Helicotylenchus buxophilus* in soil with euonymus plant in baggage from Mexico.

*Helicotylenchus dihystra* in Indiarubber fig plant in baggage from Brazil; in soil with begonia plant in air baggage from the Azores and baggage from Argentina; in soil with azalea, balsam, caladium, citrus, common rue, and euphorbia plants, lily bulb, peach tree, portulaca, sansevieria, spiderwort, and succulent plants in baggage from Mexico; and in soil with unidentified plant in air baggage from England.

*Helicotylenchus nannus* in *Aglaonema* sp. root in aircargo, in soil with begonia, fern, hydrangea, and mint plants in baggage, and in soil with chestnut dion

plants in cargo from Mexico; and in soil with common swordfern and Sprenger asparagus in baggage from Italy.

*Heterodera avenae*, the oat nematode (13 times), in soil sample in air baggage from Germany and in soil with the following: Automobiles in cargo from England and Germany, cactus plant in air baggage from Germany, dasheen in cargo from the Azores, garlic in cargo from Italy, larch tree and polypody fern in baggage from Austria, military cargo by air from England and France, peach tree in baggage from Italy, and potato in stores from the Canary Islands.

*Heterodera cacti* (75 times) in soil sample and in soil with amaryllis bulb, begonia, bougainvillea, cactus, covers on cotton bales, dahlia roots, euphorbia, garlic, geranium, Indiarubber fig plant, lily bulb, potato, portulaca, pricklypear, railway car, spiderwort, and tractor from the following countries: Austria, Belgium, Costa Rica, England, France, Germany, Italy, Mexico, Peru, and Sweden.

*Heterodera humuli* in soil with hops in aircargo from Germany.

*Heterodera punctata* (47 times) in soil sample, soil with army tanks, automobiles, celery, dasheen, lily bulb, military cargo, mudbird nest, potato, semi-trailer, and the following plants: Banana, begonia, cactus, geranium, Indiarubber fig, lavender, lily, philodendron, primrose, sequoia, shamrock, stonecrop, unidentified, and violet. Countries of origin were Argentina, Belgium, England, Germany, Ireland, Italy, Mexico, Morocco, Netherlands, Norway, Portugal, Sweden, an unknown origin, and Wales.

*Heterodera rostochiensis*, the golden nematode (83 times), in soil sample and in soil with the following: African-violet, aroid plant, automobiles, beet, cactus, celery, coleus, conifer plant, dahlia roots, geranium cutting and plant, gladiolus corm, heather plant, horseradish, ivy plant, lavender plant, lilac plant, lily-of-the-valley pips, onion sets, Jerusalem cherry plant, oxalis, potato, primrose, *Ribes* sp., shamrock, soapberry plant, *Solanum andigena*, spearmint, Sprenger asparagus, stonecrop, strawberry plant, tree fern log, tuberoses, turnip, unidentified bulb and plant, and violet plant. Countries of origin were Denmark, England, France, Germany, Ireland, Mexico, Netherlands, Peru, Poland, Scotland, Sweden, and an unknown origin.

*Hoplolaimus uniformis* in soil with celeriac in stores from the Netherlands.

The rootknot nematodes, *Meloidogyne arenaria*, *M. arenaria arenaria*, *M. arenaria thamesi*, *M. hapla*, *M. incognita*, *M. incognita acrita*, *M. incognita incognita* (first interception), *M. javanica*, and *M. javanica javanica* (first interception) were intercepted a total of 156 times from Argentina, Azores, Brazil, Canal Zone, Chile, Costa Rica, Cuba, Dominican Republic, Ecuador, England, France, Germany, Guatemala, India, Italy, Jamaica, Japan, Mexico, Morocco, Netherlands, Panama, Peru, Portugal, Republic of South Africa, Sierra Leone, Spain, Switzerland, Tahiti, Trinidad, and West Africa. The hosts were roots of various flowers, ornamental plants, and vegetables.

*Pratylenchus coffeae* in dahlia roots in mail from Australia, in soil with common rue in baggage from Mexico, and in yam in air baggage from Jamaica.

*Pratylenchus penetrans* in clematis and toadlily roots in aircargo and in goldenray roots in cargo from the Netherlands.

*Pratylenchus scribneri* in apple root stock in cargo from Canada.

*Radopholus similis* in flamingo anthurium and in ginger plant in mail from Hawaii.

*Rotylenchus robustus* in soil with celeriac in stores from the Netherlands and in soil with unidentified plants in air baggage from the Azores and Germany.

*Scutellonema brachyurum* in amaryllis bulb and crassula plant in baggage from Mexico; Indiarubber fig plant in baggage from Brazil; in soil with kalanchoe in air baggage from Guatemala; and in soil with common rue, philodendron, and unidentified bulbs and plants in baggage from Mexico.

*Scutellonema bradys* in yam root in air baggage from Cuba.

*Tylenchorhynchus acti* in soil with cactus plant in baggage from Mexico.

*Tylenchorhynchus capitatus* in soil with begonia, lemongrass, and spiderwort plants in baggage from Mexico.

*Tylenchorhynchus claytoni* in soil with common swordfern and Sprenger asparagus in baggage from Italy.

#### INCOMPLETELY DETERMINED PESTS

It is not always possible to complete a determination as to species, due to the stage or condition of the insect or pathogen when inter-

cepted or the fact that it may be undescribed. Many of these pests are of potential economic importance, unreported from the country of origin or the United States, or new to the host plant. Some of the significant ones are included in this writeup, but not in the tabulation except in the summary. This year there were 3,223 insects, 357 diseases, and 936 nematodes, or a total of 4,516 incompletely determined interceptions considered important enough to record.

#### INCOMPLETELY DETERMINED FRUIT FLIES

There were 186 incompletely determined fruit fly interceptions as follows:

*Anastrepha* sp., possibly *ludens* (7 times) in apple, lime, mango, sapote, and sweet orange in baggage, and in grapefruit in stores from Mexico.

*Anastrepha* sp., possibly *mombinpraeoptans* (27 times), in grapefruit in stores from Costa Rica; in guava in air baggage from Guatemala, baggage from Mexico, and cargo from Tortola; in mango in air baggage from the Bahamas, Colombia, Dominican Republic, El Salvador, Guatemala, Honduras, Jamaica, and Nicaragua, in airmail from Jamaica, baggage from Mexico and Panama, and in cargo and stores from the Dominican Republic; in purple mombin in air baggage from Guatemala and Panama; and in *Spondias* sp. in air baggage from Nicaragua.

*Anastrepha* sp., possibly *serpentina* (twice), in cainito star-apple in air baggage from El Salvador and in mamey sapote in baggage from Mexico.

*Anastrepha* sp., possibly *striata* (13 times), in guava in air baggage from Costa Rica and El Salvador and in baggage and mail from Mexico.

*Anastrepha* sp., possibly *suspensa* (13 times), in guava in air baggage from the Dominican Republic and Puerto Rico and in airmail and baggage from Puerto Rico.

*Anastrepha* sp. (89 times) in *Annona* sp., apple, Arabian coffee berry, cherimoya, giant granadilla, grapefruit, guava, ilama, loquat, Mandarin orange, mango, peach, pear, pummelo, purple mombin, rose-apple, sapodilla, sapote, sour lime, *Spondias* sp., star-apple, sweet orange, tropical almond, and yellow mombin. Countries of origin were: Argentina, Brazil, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Tortola, Trinidad, an unknown origin, and Venezuela.

*Dacus* sp., prob. *dorsalis* (once), in mango in air baggage from Hawaii.

*Dacus* sp. (twice) in pepper in mail from Thailand and in sapodilla in air stores from Guam. *Dacus* sp. (?) (3 times) in avocado in air baggage from Tahiti, grapefruit in stores from the Republic of South Africa, and sapodilla in air stores from the Philippines.

*Euleia* sp., probably *heraclei* (L.) (once), in parsley in stores from Spain.

*Paroxyna* s. l. sp., possibly *Dioxya sororcula* (Wied.) (twice), on *Osteospermum muricatum* and *O. thodei* seed in mail from the Republic of South Africa.

*Rhagoletis* sp., probably *alternata* (Fall.) (once), in rose hips in air baggage from Italy.

*Rhagoletis* sp. (4 times) in apple and hawthorn fruit in baggage from Mexico.

*Rhagoletis* sp. (?) (3 times) in peach and redhaw fruit in baggage from Mexico and in Tartarian honeysuckle seed in cargo from Italy.

Tephritidae (15 times) in carnation in air quarters from an unknown origin, in chayote in stores from the Dominican Republic, in chupa-chupa fruit in air baggage from Ecuador, dwarf banana in air baggage from Hawaii, with flower pot in baggage from Mexico, in galangal flower in air quarters from an unknown origin, in giantreed node in baggage from Italy, in grapefruit in stores from the Republic of South Africa, in lychee nut and mango in air baggage from Vietnam(?), in peach in air baggage from Venezuela, in pear in air baggage from England, in sphagnum moss with ginseng root in air baggage from Korea, and in Turkterebinth pistache in air baggage from Greece. Tephritidae(?) (once) in pomegranate in air baggage from Argentina.

*Trupanea* sp. (once) adults with marigolds in air quarters from Mexico. *Trupanea* sp. (?) (once) in flowering head of encelia in baggage from Mexico.

## INSECTS OTHER THAN FRUIT FLIES

The following incompletely determined insects, other than fruit flies, are of special interest:

Aleyrodidae, Aleurodicinae, new genus near *Aleurodicus*, n. sp., on *Epidendrum* spp. leaf in aircargo from Honduras and cargo from Mexico; on *Laelia anceps* leaf in cargo from Mexico; on *Odontoglossum grande* leaf in air baggage from Guatemala; on *Oncidium* spp. leaf in aircargo and cargo from Mexico; and on orchid leaf in air baggage from Guatemala and Honduras, aircargo from the Canal Zone, Guatemala, Honduras, and Mexico, airmail from the Canal Zone, and baggage and cargo from Mexico.

*Alsophila* sp. (Geometridae) on *Prunus* sp. branch in air baggage from Japan.

*Anaulacomera* sp. (Tettigoniidae), a distinctive species useful to the U.S. National Museum Collection, on orchid in aircargo from Peru.

Aphidae, Panaphini, genus and species undescribed, on pine twig in air baggage from Italy. No description found of a species on pine resembling this.

*Blastodacna* sp., near or *atra* (Cosmopterygidae), on apple in air stores from an unknown origin, probably Spain.

*Brachyrhinus* sp. (Curculionidae) on Siebold stonecrop roots in baggage from Switzerland, in soil with herbs in baggage from Italy, and in soil with larch in baggage from Austria.

*Ceutorhynchus* sp., probably *pleurostigma* (Curculionidae), in rutabaga root in cargo from Germany and in turnip root in stores from Belgium, England, and France.

*Cnephasia* sp. (Tortricidae) on gentian bloom in mail from Switzerland, on lettuce in stores from France, on parsley in stores from Japan, and on strawberry plant in aircargo from France.

*Ctenicera* sp. (Elateridae) in soil with unidentified plant in air baggage from Poland.

*Diaprepes* sp., probably *abbreviatus* (L.) (Curculionidae), in yam in cargo from Puerto Rico.

*Epicaerus* sp., possibly *cognatus* Sharp (Curculionidae), in potato in baggage and stores from Mexico.

"*Eulia*" sp. (Tortricidae) in pear in aircargo from Ecuador.

*Euzophora* sp., near or *bigella* Zell. (Phycitidae), in quince in baggage from Greece.

*Gnorimoschema* sp., near or *borsaniella* (Gelechiidae), in pepper in air baggage from Peru and stores from Argentina.

*Grapholitha* sp., probably *funebrana* (Olethreutidae), in plum in air baggage from Czechoslovakia and Italy and air stores from France.

*Gymnandrosoma* sp., near or *aurantianum* (Olethreutidae), in guava in air baggage from Colombia and in cacao pod in baggage from Bermuda and Trinidad.

*Harmolita* sp. (Eurytomidae) on esparto needlegrass and unidentified straw in cargo from Italy.

*Heilipus* sp., probably *lauri* Boh. (Curculionidae), in avocado seed in air baggage from Costa Rica.

*Heliopsis* sp., probably *armigera* (Noctuidae), on carnation flower in aircargo from France and Spain, on gladiolus flower in air quarters from France, and on strawflower in air baggage and airmail from the Philippines.

*Homothrips* sp., probably *distinctus* (Thripidae), on protea flower in aircargo from the Republic of South Africa.

*Hoplandrothrips*, undescribed species (Phlaeothripidae), on *Davallia mariesii* fern rhizome in cargo from Japan.

*Hyperodes* sp. (Curculionidae) in carrot in stores from Argentina. *Hyperodes* sp., or near, on burhead plant in aircargo from Peru.

*Ips* sp., apparently a species not established in the United States (Scolytidae), in pine bark of crate and in unidentified wood of crate in cargo from Italy.

*Leucoptera* sp., probably *lustratella* H.-S. (Lyonetiidae), with apple in stores from Italy.

*Lixus* sp., possibly *junci* (Curculionidae), in beet root in stores from the United Arab Republic.

Lygaeidae, genus and species not in the U.S. National Museum, in airplane from an unknown origin; in cape-marigold seed in airmail from the Republic of South Africa; on *Dianthus* sp. flower in air baggage from Mexico; on garden asparagus in aircargo from New Zealand; on mixed cut flowers in air baggage from the Republic of South Africa; in okra seed in mail from Nigeria; on orchid in aircargo from

Brazil, Honduras, and India and airmail from the Canal Zone; and in soil with European grape plant in mail from Italy.

*Melanotus* sp. (Elateridae) on orchid plant in airmail from Antigua; and on rosemary plant and in soil with amaryllis bulb in air baggage from Italy.

*Odontaleyrodes* sp., apparently undescribed (Aleyrodidae), on *Argostemma* sp. leaf in aircargo from Indonesia.

Olethreutidae, probably *Cryptophlebia* sp., in grapefruit in stores from the Republic of South Africa, in mango seed in air stores from Thailand, and in sweet orange in air baggage from Guinea.

*Pantomorus* sp. (Curculionidae) on lemongrass in baggage from Mexico and in soil with Indiarubber fig plant in baggage from Brazil.

Phycitidae, presumably *Myelois* group but does not match any material in the U.S. National Museum, in Ivorycoast cherry-orange in airmail from the Republic of the Congo.

*Phyllocoptes* n. sp. (Eriophyidae), an interesting form, on soursop fruit in air baggage from Costa Rica. *Phyllocoptes* sp., apparently n. sp., not assignable to any known apple eriophyid, on apple in air stores from Honduras.

*Phyllotreta* sp., possibly *undulata* Kutsch. (Chrysomelidae), on cabbage in stores from England.

*Phytomyza* sp., probably *rufipes* (Agromyzidae), on cauliflower in stores from France and the Netherlands and on radish in air stores from an unknown origin.

*Prays* sp., near or *endocarpa* Meyr. (Hyponomeutidae), in grapefruit in air baggage and Mandarin orange in air stores from the Philippines.

*Premnotrypes* sp. (Curculionidae) (34 times) in potato in air baggage from Colombia, Ecuador, and Peru, in air stores from Chile, in baggage from Peru, and in stores from Colombia, Ecuador, and Peru.

*Pseudaonidia* sp., not placed as anything described (Coccidae), on orchid plant in aircargo from India.

*Rhynchites* sp. (Curculionidae) in cherry in air baggage from Italy and on *Prunus* sp. plant in airmail from Iran.

*Sternochetus* sp., probably *mangiferae* (Curculionidae), in mango in air baggage from the Philippines and quarters from Hawaii.

*Tenuipalpus* n. sp. (Tenuipalpidae) on *Plumeria* sp.(?) in mail from Mexico.

*Xyleborus* sp., near *testaceus* Walk. (Scolytidae), in raintree saman log in cargo from Fiji.

#### INCOMPLETELY DETERMINED DISEASES

Of the 357 incompletely determined diseases which were recorded, the following are of special interest:

*Cercospora* sp. on sweet basil leaf and pricklypear stem in baggage from Mexico.

*Cryptosphaeria* sp. on *Dendrobium* sp. stem in aircargo from India.

*Cytospora* sp., probably *sydowiana* (Syd.) Camara, on camellia twig in airmail from New Zealand.

*Cytospora* sp. on astilbe flower stalk in cargo from the Netherlands. None reported on this host as far as known.

*Dothiorella* sp. on *Araucaria cookii* seed in aircargo and *Howea forsteriana* seed in cargo from Australia.

*Microstroma* sp. on tomato in stores from Spain. *Microstroma* sp.(?) on loquat in air quarters from Italy.

*Monochaetia* sp. on sapodilla in baggage from Mexico. Not reported on this host as far as is known.

*Mycosphaerella* sp. on *Jatropha* sp. in baggage from Mexico and on tree peony stem in cargo and mail from Japan.

*Pellicularia* sp. on orchid plant in aircargo from Peru.

*Pestalotia* sp. on *Agave* sp. leaf in baggage from Mexico. There is no report on this host.

*Phyllostictina* sp. on tropic-American hymenocallis in mail from Hawaii.

*Ravenelia* sp., close to *pithecolobii* Arth., on guamachil apes-earring seed in baggage from Mexico.

*Septoria* sp., probably an undescribed species, on *Agave* sp. in baggage from Mexico.

*Sphenospora* sp., probably *kevorkianii*, on *Epidendrum* sp. leaf in aircargo from Honduras, on *Ionopsis* sp. leaf in air baggage from the Dominican Republic and in cargo from Mexico, on *Oncidium pusillum* leaf in aircargo from Peru, on *Oncidium* sp. leaf in aircargo from British Honduras and Peru, and on orchid leaf in aircargo from Honduras.

*Sphenospora* sp., probably *saphena*, on orchid leaf in aircargo from Guatemala.  
*Sphenospora* sp. on *Ornithocephalus* sp. leaf in air baggage from Peru. Probably a new host.

*Stomiopeltis* sp., probably should be described as new, on vi-apple in air baggage from Panama and Trinidad. None reported on Anacardiaceae.

*Trematosphaeria* sp. on leaf of *Agave* sp. plant in baggage from Mexico. No report on this host as far as known.

Virus, either a new virus or a new strain of an old virus, on carnation leaf in cargo from Canada.

#### INCOMPLETELY DETERMINED NEMATODES

There were 936 nematode interceptions not completely determined as follows:

*Acrobeloides* sp. in apple root stock in cargo from Canada.

*Aphelenchoides* sp. in amaryllis bulb in baggage from Mexico; in carnation in air baggage from Germany; in dahlia root in cargo from Japan and mail from Australia; in orchid, portulaca, rose, and unidentified plants and in soil with cactus in baggage from Mexico; in soil sample in cargo from Mexico; and in soil with tuberose in cargo from Italy.

*Aphelenchus* sp. in apple root stock in cargo from Canada; in soil with army tank in cargo from Germany; in soil with automobile in cargo from the Republic of South Africa; in soil with unidentified bulb in baggage from Cuba; in soil with cactus, citrus, dahlia, *Eugenia* sp.(?), fig, lemongrass, and rose plants in baggage from Mexico; and in soil with grape cuttings in air baggage from Italy.

*Criconema* sp., undescribed, in soil with African-violet and unidentified plant in baggage from Mexico. *Criconema* sp. in soil with unidentified plant in baggage from Mexico.

*Criconemoides* sp., probably *xenoplax* Raski, in soil with lily bulb in baggage from Mexico.

*Criconemoides* sp. in chrysanthemum in airmail from Formosa; in rhubarb root in baggage from Canada; and in soil sample in baggage and cargo and in soil with avocado, Bermuda grass, cactus, citrus, croton, echeveria, fig, guava, lemongrass, onion, palm, spiderwort, and unidentified plants in baggage from Mexico.

*Ditylenchus* sp. in dahlia root in cargo from Japan and mail from Australia, in garlic in cargo from Italy, in soil with cactus and unidentified plant in baggage from Mexico, and in torchlily in aircargo from England.

*Helicotylenchus* sp., probably *dihystera*, in soil with begonia in cargo from Mexico.

*Helicotylenchus* sp. was intercepted 98 times; 82 from Mexico, 2 each from the Azores and Brazil, and 1 each from Alaska, Cuba, England, France, Germany, Hawaii, Ireland, Italy, Japan, Portugal, Republic of South Africa, and Turkey. The hosts were various flower plants and soil with army tanks, refrigerator car, and unidentified bulbs and plants.

*Hemicycliophora* sp. in soil with mango plant in baggage from Mexico.

*Heterodera* sp., probably *avenae*, in soil with beet in stores from the Netherlands and in soil with peach tree in air baggage from Germany.

*Heterodera* sp., probably *humuli*, in soil with hop roots in cargo from Canada.

*Heterodera* sp., probably *punctata*, in soil with automobile in cargo from an unknown origin, in soil with cuphea plant in baggage from Mexico, and in soil with holly and lavender plants in air baggage from England.

*Heterodera* sp., probably *rostochiensis*, in soil in air baggage from Germany, in soil with automobile in cargo from England, in soil with heather in air baggage from Scotland, and in soil and debris from vegetables in stores from the Netherlands.

*Heterodera* sp., probably *trifolii*, in soil with army tank in cargo from Germany.

*Heterodera* sp., *cacti* group (39 times), from Belgium, Canal Zone, England, France, Germany, Italy, Japan, Mexico, Poland, Portugal, Republic of South Africa, and Turkey. These were taken from a soil sample, soil with automobiles, and soil with cactus and various plants.

*Heterodera* sp., *goettingiana* group (207 times), cyst with cucurbit seed; in soil sample; in soil with automobile, military cargo, and tractor; in soil with carrot, celery, garlic, leek, onion, potato, rutabaga, and turnip in stores; and in soil with various bulbs and plants. Countries of origin were Argentina, Azores, Belgium, Brazil, Czechoslovakia, Denmark, England, France, Germany, Greece, Guatemala, Ireland, Israel, Italy, Japan, Lebanon, Mexico, Netherlands, Peru, Poland, Spain, Switzerland, United Arab Republic, an unknown origin, and Yugoslavia.

*Heterodera* sp., *rostochiensis* group, in soil with celery in stores from England, soil with orchid in baggage from Guatemala, soil with shamrock in airmail from

Ireland, and soil with jasmine, succulent, and unidentified plants in baggage from Mexico.

*Heterodera* sp., *schachtii* group (265 times), cysts with lentil seed; in soil ballast and samples; in soil with automobiles, bicycle, military cargo, railway car, shoes, and tractor; in soil with beet, carrot, celeriac, celery, garlic, horseradish, leek, onion, parsnip, potato, rutabaga, salsify, turnip, and yam in stores; and in soil with various bulbs and plants. Countries of origin were Argentina(?), Azores, Belgium, Brazil, British Honduras, Canada, Chile, Colombia, Czechoslovakia, Denmark, East Germany, England, France, Germany (West), Greece, India, Ireland, Israel, Italy, Japan, Netherlands, Norway, Pakistan, Panama, Peru, Poland, Portugal, Republic of South Africa, Spain, Sweden, Turkey, United Arab Republic, Wales, and Yugoslavia.

*Heterodera* sp. (24 times) in soil sample; in soil with automobile, military cargo, snow plow, and truck; in soil with horseradish, onion, potato, and turnip in stores; and in soil with asparagus, begonia, *Calathea* sp., citrus, dahlia, fuchsia, heather, stonecrop, and unidentified plants. Countries of origin were England, France, Germany, Hawaii, Hong Kong, Italy, Mexico, Peru, Portuguese Guinea, Scotland, Spain, and Turkey.

*Hoplolaimus* sp., probably *seinhorsti* Luc, in soil with croton plant in baggage from Mexico.

*Hoplolaimus* sp., undescribed, in soil with cactus plant in baggage from Mexico.

*Hoplolaimus* sp. in soil sample and soil with onion, succulent plant, and sweet-potato in baggage from Mexico.

*Meloidogyne* sp., near *arenaria*, in carrot root in stores from Japan and in rubber-vine root in air baggage from Colombia.

*Meloidogyne* sp., probably *arenaria thamesi*, in dahlia root in cargo from Japan.

*Meloidogyne* sp., probably *hapla*, in beet root in stores from Poland and in brassbuttons root in aircargo from Germany.

*Meloidogyne* sp., possibly *incognita*, in beet in stores from Brazil, dasheen in cargo from Cuba, *Ledenbergia rosea-aenea* root in aircargo from Ireland, sansevieria in air baggage from Venezuela, and *Stephanotis* sp. root in baggage from Mexico.

*Meloidogyne* sp., possibly *incognita acrita*, in tulip root in baggage from England.

*Meloidogyne* sp., probably *javanica*, in beet root in stores from Australia, freesia root in air baggage from the Azores, strawberry root in aircargo from France, and yam in air baggage from Puerto Rico.

*Meloidogyne* n. sp.(?), close to *incognita acrita*, in astilbe root in cargo from the Netherlands. *Meloidogyne* sp., possibly a new species, in agapanthus root in mail from India.

*Meloidogyne* sp. (76 times) in roots of various bulbs, corms, flower plants, tubers, and vegetables from the Canal Zone, Cuba, Dominican Republic, England, Fiji, Formosa, France, Germany, Guatemala, Hawaii, India, Italy, Japan, Mexico, Netherlands, Peru, Singapore, and Switzerland.

*Paratylenchus* sp. in soil with African-violet in baggage from Mexico.

*Pratylenchus* sp., probably *penetrans*, in babysbreath root in cargo from the Netherlands.

*Pratylenchus* sp. (22 times) in roots of various flower plants from Canada, Colombia, Japan, Mexico, and Netherlands.

*Pseudhalenchus* sp. in soil with portulaca in baggage from Mexico.

*Psilenchus* sp. in hibiscus, Josephs-coat amaranth, and soil with anthurium, gardenia, and lemongrass plants in baggage from Mexico; and in soil with mint plant in baggage from Cuba.

*Radopholus* sp. in flamingo anthurium and ginger plants in mail from Hawaii.

*Rotylenchus* sp. in crassula, gardenia, soil sample, and soil with fern plant in baggage from Mexico; in soil with automobile in cargo from Sweden; and in unidentified plants in air baggage from England and an unknown origin.

*Scutellonema* sp. (22 times) in soil with automobiles in aircargo from Puerto Rico and cargo from Cuba; in soil with agave, amaryllis, asparagus-fern, begonia, caladium, citrus, *Eugenia* sp.(?), gardenia, lily, narcissus, philodendron, sansevieria, and unidentified plants in baggage from Mexico; and in yam root in air baggage from Cuba.

*Tetylenchus* sp. in amaryllis bulb in baggage from Mexico, in soil with railway refrigerator car in cargo from Mexico, and in soil sample and soil with echeveria and succulent plants in baggage from Mexico.

*Trichodorus* sp., undescribed, in soil with kalanchoe in air baggage from Guatemala. *Trichodorus* sp. in soil with fern plant in air baggage from Mexico.

*Tylenchorhynchus* sp. (29 times) in cactus, carnation, crassula, and gardenia plants and in soil with bamboo, begonia, coleus, dahlia, fig, flatsedge, geranium, hydrangea, lemongrass, onion, peperomia, peppertree, rose, succulent, and unidentified plants in baggage from Mexico and in soil with stonecrop in air baggage from England.

*Tylenchus* sp. in chrysanthemum in air baggage from England, Indiarubber fig plant in baggage from Brazil, in rose plant in baggage from Mexico, in soil with army tank in cargo from Germany, in soil with begonia in baggage from Argentina, in soil with cyclamen in baggage from Canada, and in soil sample and soil with fig, persimmon, rose, and unidentified plants in baggage from Mexico.

*Xiphinema* sp. in soil sample in air baggage from British Honduras and baggage and cargo from Mexico; in soil with acacia, banana, begonia, citrus, gardenia, lily, mango, succulent, and tuftroot plants and medicinal herbs in baggage from Mexico; in soil with croton plant in aircargo from British Honduras; and in soil with jasmine plant in air baggage from Cuba.



## Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease	Country	Insect	Disease
Africa:			Europe—Continued		
Africa (country(?))	2	0	England	106	80
Algeria	4	0	Finland	1	1
Angola	1	0	France	98	37
Canary Islands	0	1	France(?)	1	0
Cape Verde Islands	1	0	Germany	35	44
East Africa	1	0	Greece	46	3
Ethiopia	4	2	Greece(?)	0	1
Kenya	1	0	Hungary	1	0
Liberia	2	0	Ireland	47	16
Libya	11	0	Italy	436	32
Mauritius	1	0	Lithuania	1	0
Morocco	44	2	Netherlands	81	39
Mozambique	0	1	Netherlands(?)	1	0
Nigeria	1	0	Northern Ireland	102	0
Republic of South Africa	21	96	Norway	5	4
Republic of the Congo	2	0	Poland	11	2
Senegal	2	0	Portugal	24	2
Sierra Leone	2	1	Scotland	8	5
Sudan	103	0	Spain	102	11
Tanganyika	1	0	Sweden	2	8
Tunisia	1	0	Switzerland	9	21
United Arab Republic	6	0	Union of Soviet Socialist Re-		
West Africa	4	1	publics	3	5
Asia:			Wales	0	1
Afghanistan	1	1	Yugoslavia	5	0
Asia (country(?))	0	7	North America:		
Ceylon	8	0	Bermuda	13	1
China	3	43	Canada	5	6
Cyprus	4	0	Central America:		
Federation of Malaya	1	2	British Honduras	33	3
Formosa	24	21	Canal Zone	38	14
Hong Kong	11	111	Costa Rica	34	10
India	68	17	El Salvador	64	0
Indonesia	5	1	Guatemala	36	13
Iran	9	0	Honduras	30	15
Israel	12	0	Nicaragua	22	1
Japan	521	587	Panama	71	8
Japan(?)	4	0	Iceland	3	0
Jordan	2	0	Mexico	453	228
Korea	1	2	West Indies:		
Kuwait	1	0	American Virgin Islands	4	0
Lebanon	11	1	Antigua	12	1
Macao	0	1	Aruba	2	0
Nepal	0	1	Bahamas	19	3
Pakistan	11	1	Bahamas(?)	0	1
Singapore	7	2	Barbados	6	0
Syria	2	0	Cayman Islands	6	0
Thailand	10	6	Cuba	26	4
Turkey	20	0	Curacao	1	0
Vietnam	3	1	Dominica	2	1
Australasia:			Dominican Republic	62	6
American Samoa	7	0	Grenada	1	0
Australia	13	79	Guadeloupe	2	1
Eniwetok	1	0	Haiti	22	4
Fiji	8	0	Haiti(?)	1	0
French Polynesia	1	0	Jamaica	69	22
Guam	10	1	Puerto Rico	57	8
Hawaii	576	8	Puerto Rico(?)	1	0
Johnston Island	1	0	St. Kitts	2	0
Kwajalein	3	0	St. Martin	1	0
Marshall Islands	1	0	Tortola	3	0
New Guinea	1	0	Trinidad	13	3
New Zealand	2	8	South America:		
Norfolk Island	0	7	Argentina	23	80
Okinawa	7	3	Bolivia	2	0
Philippines	29	6	Brazil	74	149
Philippines(?)	5	0	British Guiana	3	0
Southwest Pacific	1	0	Chile	2	1
Tahiti	31	1	Colombia	20	4
Tahiti(?)	0	4	Ecuador	53	16
West Pacific	1	0	Paraguay	1	4
Europe:			Peru	32	24
Austria	2	4	Peru(?)	2	0
Azores	32	4	South America (country(?))	1	0
Belgium	8	2	Surinam	2	0
Czechoslovakia	5	1	Uruguay	0	4
Denmark	13	4	Venezuela	12	3

*Summary of Numbers of Interceptions Listed in Main Table—Continued*

Country	Insect	Disease	Country	Insect	Disease
Totals:			Totals—Continued		
Africa.....	215	104	Total incompletely deter- mined pests.....	3,223	1,293
Asia.....	739	805	Total insect interceptions.....	7,550	3,371
Australasia.....	698	117	Total disease interceptions.....		10,921
Europe.....	1,185	327	Grand total*.....		
North America.....	1,114	353			
South America.....	227	285			
Unknown.....	149	87			
Total.....	4,327	2,078			

\*This total represents only pests of known or potential plant quarantine importance or organisms of scientific interest. The total of all interceptions made during the year was 33,033.

NOTE.—Interceptions were also made from British West Africa, Canton Island, Christmas Island, Crete, Ghana, Guinea, Ivory Coast, Malta, Martinique, Montserrat, Netherlands New Guinea, Portuguese Guinea, Rumania, and Zanzibar.

Pests Collected and Reported From July 1, 1961, Through June 30, 1962

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Acanthoscelides armitagei</i> (Pic) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea)-----	Colombia, Jamaica, Panama, Peru, Trinidad, unknown.	12	-----	1	Fla., N.Y.
<i>Phaseolus lunatus</i> (lima bean)----- <i>P. vulgaris</i> (bean)-----	Colombia, Ecuador Colombia, Jamaica, Trinidad, unknown, Venezuela.	2	1	2	D.C. D.C., Fla., La., N.Y. Tex.
<i>Pisum sativum</i> (pea)----- Stores (with mixed fruits)-----	Panama----- Unknown-----	1	-----	-----	Fla. N.Y.
<i>Acanthoscelides griseolus</i> (Fall.) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea)----- <i>Lens culinaris</i> (lentil)----- <i>Phaseolus lunatus</i> (lima bean)----- <i>P. vulgaris</i> (bean)----- <i>Pisum sativum</i> (pea)----- <i>Sesbania aculeata</i> (cannabina)----- <i>Sesbania</i> sp.-----	Panama, Peru----- Nicaragua----- Peru----- Panama----- do----- Mexico----- do-----	3 1 ----- 1 1 ----- 1	----- ----- 1 ----- ----- ----- -----	----- ----- ----- ----- ----- 1 3	Fla., N.Y. Calif.* Pa. Calif.* Fla. Calif. Ariz., Calif.
<i>Acanthoscelides spinipes</i> (Er.) (Bruchidae): Legume (seed)-----	Greece-----	-----	-----	1	N.Y.
<i>Acentroptera nevermanni</i> Uhmann (Chrysomelidae): Bromeliad-----	Costa Rica-----	-----	-----	1	Fla.
<i>Achaea janata</i> (L.) (Noctuidae): Airplane----- <i>Codiaeum variegatum</i> (croton)-----	Unknown----- Hawaii-----	-----	1	-----	Hawaii. Hawaii.
<i>Achatina fulica</i> Bowdich (Achatinidae): Baggage----- Military cargo-----	do----- Okinawa-----	8 2	-----	-----	Hawaii. Calif.*
<i>Acrolepia assectella</i> (Zell.) (Hyponomeutidae): <i>Allium cepa</i> (onion)----- <i>A. porrum</i> (leek)-----	France----- Denmark, France, Italy, Netherlands, Norway, Spain.	1 -----	----- 9	-----	N.Y. N.Y., N.C. Ohio, Pa.
Stores-----	France-----	-----	-----	1	N.Y.
<i>Acronicta psi</i> (L.) (Noetuidae): <i>Rosa</i> hybrid (leaf)-----	Poland-----	1	-----	-----	N.Y.
<i>Adelphocoris lineolatus</i> (Goeze) (Miridae): <i>Fagus</i> sp. (beech) cutting-----	England-----	-----	-----	1	Mass.
<i>Adoretus sinicus</i> Burm. (Scarabaeidae): <i>Acalypha</i> sp. (copperleaf)----- Airplane----- Baggage----- Flowers----- <i>Mangifera indica</i> (mango)----- Orchid-----	Hawaii----- do----- do----- do----- do----- do-----	----- ----- 2 1 1 1	----- ----- 2 ----- ----- -----	1 ----- ----- ----- ----- -----	Hawaii. Hawaii. Hawaii. Hawaii. Hawaii. Hawaii.
<i>Adoxophyes reticulana</i> (Hbn.) (Tortricidae): <i>Syringa</i> sp. (lilac) cut flowers-----	Netherlands-----	3	-----	-----	N.Y.
<i>Aeolus pictus</i> (Cand.) (Elateridae): Orchid-----	Honduras-----	-----	-----	2	Fla.
<i>Aganactes indecora</i> Dyar (Galleriidae): <i>Cassia</i> sp. (senna) seed pod-----	Jamaica, Trinidad-----	2	-----	-----	Fla., N.Y.
<i>Agonopterix costosa</i> (Haw.) (Oceophoridae): <i>Cytisus scoparius</i> (Scotch-broom)-----	Canada-----	-----	-----	1	Wash.
<i>Agonoxena pyrogramma</i> Meyr. (Agonoxenidae): <i>Cocos nucifera</i> (coconut)-----	Guam-----	1	-----	-----	Hawaii.
<i>Akermes andersoni</i> Newst. (Coccidae): <i>Garcinia mangostana</i> (mangosteen) sepal-----	Liberia-----	1	-----	-----	N.Y.
<i>Aleurocanthus citripardus</i> Q. & B. (Aleyrodidae): <i>Citrus</i> sp. (leaf)-----	Philippines-----	1	-----	-----	Hawaii.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae): <i>Citrus aurantifolia</i> (lime) leaf----- <i>C. sinensis</i> (sweet orange) leaf----- <i>Citrus</i> sp. (leaf)-----	Mexico----- do----- Ecuador, Mexico-----	3 1 6	----- ----- -----	----- ----- -----	Tex. Tex. Fla., Tex.
<i>Aleurodicus iridescens</i> Ckll. (Aleyrodidae): <i>Echinodorus</i> sp. (burhead)-----	Peru-----	-----	-----	3	Fla.
<i>Aleurothrixus myrtacei</i> Bondar (Aleyrodidae): <i>Laurus nobilis</i> (Grecian laurel) leaf-----	British Honduras-----	1	-----	-----	Fla.
<i>Aleurotrachelus camelliae</i> (Kuw.) (Aleyrodidae): <i>Camellia japonica</i> (leaf)-----	Japan-----	-----	-----	2	D.C.
<i>Aleyrodes loniceræ</i> Wlk. (Aleyrodidae): <i>Fragaria</i> sp. (strawberry) leaf-----	France-----	-----	-----	1	N.Y.

## Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Alpheias conspirata</i> Hein. (Galleriidae): <i>Ananas comosus</i> (pineapple)-----	Mexico-----	4			Tex.
<i>Alsophila membranaria</i> (Christ.) (Geometridae): <i>Prunus</i> sp. (cut flowers)-----	Japan-----	2			Hawaii.
<i>Althos obscurus</i> (Stal) (Coreiidae): Bromeliad-----	Mexico-----			1	Tex.
<i>Amitermes wheeleri</i> (Desn.) (Termitidae): Cactus-----	do-----			1	Tex.
<i>Amnestus uhleri</i> Dist. (Pentatomidae): <i>Chamaedorea</i> sp. (palm)-----	do-----			1	Tex.
<i>Amphimallon majalis</i> Raz. (Scarabaeidae): Quarters-----	Unknown-----		1		Mich.
<i>Anaballus amplicollis</i> (Fairm.) (Curculionidae): <i>Artocarpus</i> sp. (seed)-----	Guam-----			1	Hawaii.
<i>Anacridium aegyptium</i> (L.) (Acrididae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)----- Military cargo-----	Italy----- Spain-----		1		Md. Mass., Tex.
<i>Anastrepha ludens</i> (Loew) (Tephritidae): <i>Casimiroa edulis</i> (white sapote)----- <i>Citrus aurantifolia</i> (lime)-----	Mexico----- do-----	2 6			Tex. Ariz., Calif., Tex.
<i>C. aurantium</i> (sour orange)----- <i>C. paradisi</i> (grapefruit)----- <i>C. sinensis</i> (sweet orange)-----	do----- do----- Guatemala, Mexico-----	1 5 35		1 4	Fla. Ala., Tex. Ariz., Calif.,* Fla., Tex., Va.
<i>Cydonia oblonga</i> (quince)----- <i>Mangifera indica</i> (mango)-----	Mexico----- do-----	1 19			Tex. Calif., Calif.,* Fla., Ill., N.Y., Tex.
<i>Pyrus communis</i> (pear)----- <i>Anastrepha mombinpraecoptans</i> Sein (Tephritidae): <i>Citrus sinensis</i> (sweet orange)----- <i>Eugenia jambos</i> (rose-apple)----- <i>Mangifera indica</i> (mango)-----	do----- do----- British Honduras----- Barbados, British Honduras, Costa Rica, Curacao, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Venezuela.	1 1 110			Tex. Calif.* Ala., Calif., Calif.,* Fla., La., Md., N.Y., N.C., P.R., Tex.
<i>Psidium guajava</i> (guava)----- <i>Spondias cytherea</i> (vi-apple)----- <i>S. mombin</i> (yellow mombin)-----	Dominican Republic----- Jamaica----- Costa Rica, Domin- ican Republic, El Salvador, Guatemala, Mexico, Nicaragua.	1 2 21		1	Pa. N.Y. Calif.,* Fla., N.Y.
<i>S. purpurea</i> (purple mombin)----- <i>Terminalia catappa</i> (tropical almond)----- <i>Anastrepha serpentina</i> (Wied.) (Tephritidae): <i>Achras zapota</i> (sapodilla)----- <i>Calocarpum sapota</i> (mamey sapote)-----	Guatemala----- Jamaica----- El Salvador----- do-----	1 1 1 2			La. N.Y. Calif.* Calif.*
<i>Anastrepha suspensa</i> (Loew) (Tephritidae): <i>Psidium guajava</i> (guava)----- <i>Ancognatha scarabaeoides</i> Er. (Scarabaeidae): Airplane-----	Jamaica, Puerto Rico----- Colombia-----	3		1	N.Y., P.R. Fla.
<i>Ancylostomia stercorea</i> (Zell.) (Phycitidae): Bromeliad (leaf)----- <i>Cajanus cajan</i> (pigeonpea)-----	Mexico----- Canal Zone, Domin- ican Republic, Haiti, Jamaica, Panama, St. Kitts, St. Martin, Tortola.			1	Fla.
<i>Cicer arietinum</i> (chickpea)----- <i>Phaseolus vulgaris</i> (bean)----- <i>Pisum sativum</i> (pea)-----	El Salvador, Panama----- Dominican Republic----- Ecuador-----	29 2 1 1	1		Am. V.I., Calif.,* Fla., Ill., N.Y. Calif.,* Fla. N.Y. Fla.

## Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Anthela ocellata</i> Wlk. (?) (Lymantriidae): Airplane	Australia		1		Hawaii.
<i>Antilocoris punctatus</i> (Dist.) (Lygaeidae): Orchid (plant)	Mexico			1	Tex.
<i>Antiteuchus panamensis</i> Ruckes (Pentatomidae): Orchid (plant)	Honduras			1	Fla.
<i>Antonina graminis</i> (Mask.) (Coccidae): <i>Digitaria pentzii</i> (Pentz fingergrass)	Formosa			1	D.C.
<i>Anuraphis apiifolia</i> Theob. (Aphidae): <i>Cynara scolymus</i> (artichoke)	Italy		1		Wis. Mass.
<i>Foeniculum vulgare</i> (fennel)	do	1			
<i>Anuraphis cardui</i> (L.) (Aphidae): <i>Lactuca sativa</i> (lettuce)	do		1		N.Y.
<i>Aonidiella citrina</i> Coq. (Coccidae): <i>Citrus aurantium</i> (sour orange)	Japan		1		Calif.* Hawaii.
<i>C. reticulata</i> (Mandarin orange)	do	1			Fla., Hawaii, Mich.
<i>C. sinensis</i> (sweet orange)	Japan, Republic of South Africa, Spain, unknown.	2	3		
<i>Aonidiella comperei</i> McKenzie (Coccidae): <i>Citrus paradisi</i> (grapefruit)	Cuba			1	D.C.
<i>Aonidiella inornata</i> McKenzie (Coccidae): <i>Cocos nucifera</i> (coconut)	Philippines		1		Calif.* Hawaii.
<i>Cycas revoluta</i> (sago palm)	Okinawa			1	
<i>Aphis callunae</i> Theob. (Aphidae): <i>Calluna vulgaris</i> (heather)	Poland	1			N.Y.
<i>Apion griseum</i> Sm. (Curculionidae): <i>Phaseolus vulgaris</i> cv. (string bean)	Mexico	4			Tex.
<i>Apomecyna saltator</i> (Fab.) (Cerambycidae): <i>Cucumis dipsaceus</i> (teaselgourd)	Hawaii	1			Hawaii.
<i>Araecerus levipennis</i> Jord. (Anthribidae): <i>Leucaena leucocephala</i> (white popinac lead tree pod.	do	1			Hawaii.
<i>Archachatina marginata</i> (Swainson) (Achatinidae): Cargo (as specimen for zoo)	Spain	1			Calif.*
<i>Ardis sulcata</i> (Cam.) (Tenthredinidae): <i>Rosa</i> hybrid (leaf)	Germany	1			Ill.
<i>Arge ochropa</i> (Gmel.) (Argidae): <i>Rosa</i> hybrid (cut flower)	Poland	2			N.Y.
<i>Arge pleuritica</i> (Klug) (Argidae): Airplane	France(?)		1		Pa.
<i>Arge similis</i> (Voll.) (Argidae): <i>Rhododendron obtusum</i> var. <i>kaempferi</i> (torch azalea).	Japan			1	D.C.
<i>Rhododendron</i> sp.	do			1	D.C.
<i>Argyresthia conjugella</i> (Zell.) (Hyponomeutidae): <i>Malus sylvestris</i> (apple)	Norway, Union of Soviet Socialist Republics.	3			N.Y.
<i>Sorbus</i> sp. (mountainash) berry	England, Norway, Scotland.	3		1	N.Y.
<i>Argyresthia eugeniella</i> Busck (Hyponomeutidae): <i>Psidium guajava</i> (guava)	Puerto Rico	1			P.R.
<i>Arianta arbustorum</i> (L.) (Helicidae): <i>Fragaria</i> sp. (strawberry) plant	Netherlands			1	N.Y.
Soil with <i>Rosa</i> hybrid (plant)	Germany	1			N.Y.
<i>Arion ater</i> (L.) (Arionidae): <i>Beta vulgaris</i> var. <i>cicla</i> (Swiss chard)	Italy		1		N.Y.
Bromeliad (leaf)	Netherlands			1	Fla.
Leaf—unidentified	France	1			N.Y.
<i>Arion circumscriptus</i> Johnston (Arionidae): Soil on <i>Rosa</i> hybrid	Germany			1	N.J.
<i>Arion hortensis</i> Fer. (Arionidae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	England, France		2		N.Y., P.R.
<i>Lactuca sativa</i> (lettuce)	France		2		N.Y.
<i>Malus sylvestris</i> (apple)	Germany, Ireland	2			Ill., Mich
Soil	France	1			Mass.
Soil with flower bulb	do			1	Ill.
<i>Arphnus melanotylus</i> Ashlock (Lygaeidae): Bromeliad (plant)	Mexico			1	Tex

## Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Aspidiotus destructor</i> Sign. (Coccidae): <i>Cocos nucifera</i> (coconut)-----	American Virgin Islands, Bahamas, Costa Rica, Cayman Islands, Nicaragua, Panama.	5	2		Bahamas, Calif.,* Fla., N.Y.
<i>Kentia</i> sp. (palm) leaf-----	Japan-----		1		Calif.*
<i>Maranta</i> sp. (arrowroot) leaf-----	Panama-----			1	Fla.
<i>Prunus domestica</i> (plum)-----	Mexico-----			1	Tex.
<i>Terminalia catappa</i> (tropical almond)-----	Jamaica-----	1			Fla.
<i>Aspidiotus diffinis</i> Newst. (Coccidae): <i>Spondias</i> sp. (mombin)-----	Mexico-----	1			Ariz.
<i>Aspidiotus excisus</i> Green (Coccidae): <i>Cocos nucifera</i> (coconut) cap-----	Costa Rica-----	1			Calif.*
<i>Aspidiotus herculeanus</i> Ckll. & Hadden (Coccidae): Fruit—unidentified-----	El Salvador-----	1			Calif.*
<i>Spondias mombin</i> (yellow mombin)-----	Nicaragua-----	1			Calif.*
<i>Aspidiotus mendax</i> (McKenzie) (Coccidae): Bromeliad (leaf)-----	Brazil-----			1	Fla.
<i>Aspidiotus palmae</i> Ckll. (Coccidae): <i>Artocarpus</i> sp. (leaf)-----	Philippines-----		1		Hawaii.
Bromeliad (leaf)-----	Germany-----			1	Fla.
<i>Cocos nucifera</i> (coconut) cap-----	Costa Rica-----	1			Calif.*
<i>Cycas revoluta</i> (sago palm)-----	Mexico-----			1	Tex.
<i>Kentia</i> sp. (palm) leaf-----	Japan-----		1		Calif.*
<i>Trichopilia tortilis</i> (orchid) leaf-----	Guatemala-----			1	Fla.
<i>Asterobemisia carpini</i> (Koch) (Aleyrodidae): <i>Rubus</i> sp. (leaf)-----	France-----		3		Mass., N.Y.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae): <i>Bambusa</i> sp. (bamboo)-----	Mexico-----	1			Calif.
<i>Asterolecanium epidendri</i> (Bouché) (Coccidae): <i>Broughtonia</i> sp. (orchid)-----	Jamaica-----			1	Fla.
<i>Cattleya</i> sp. (orchid) leaf-----	Costa Rica-----			1	Fla.
<i>Epidendrum collare</i> (orchid) leaf-----	Ecuador-----			2	Calif.*
<i>Odontoglossum</i> sp. (orchid) leaf-----	Costa Rica-----			1	Fla.
<i>Oncidium</i> sp. (orchid) leaf-----	Brazil, Peru-----			2	Fla.
Orchid (leaf)-----	Brazil, Cuba, Jamaica, Nicaragua, Panama, Peru.			8	Fla.
<i>Asterolecanium euphorbiae</i> Rsl. (Coccidae): <i>Euphorbia stellaespina</i> (starspine euphorbia)-----	Republic of South Africa.			1	Tex.
<i>Asterolecanium miliaris miliaris</i> (Bdv.) (Coccidae): Bamboo (node)-----	Cuba-----	1			Fla.
<i>Asterolecanium pseudomiliaris</i> Green (Coccidae): <i>Bambusa vulgaris</i> (common bamboo)-----	Hawaii-----	1			Hawaii.
<i>Asterolecanium simile</i> Rsl. (Coccidae): <i>Orbignya cohune</i> (cohune palm) seed-----	British Honduras-----			1	Fla.
<i>Atheas nigricornis</i> Champ. (Tingidae): Bromeliad-----	Mexico-----			1	Tex.
<i>Aulacaspis ericacearum</i> Takagi (Coccidae): <i>Epigaea asiatica</i> (Asiatic trailing-arbutus)-----	Japan-----			1	D.C.
<i>Aulacaspis tubercularis</i> Newst. (Coccidae): <i>Mangifera indica</i> (mango)-----	El Salvador, Formosa, Pakistan.	8		1	Calif.,* Fla., Wash.
<i>Austrotortrix postvittana</i> (Wlk.) (Tortricidae): Airplane-----	New Zealand-----		1		Hawaii.
<i>Autographa gamma</i> (L.) (Noctuidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)-----	France-----		1		N.Y.
<i>Lactuca sativa</i> (lettuce)-----	do-----		1		N.Y.
<i>Baris lepidii</i> Germ. (Curculionidae): <i>Armoracia lappathifolia</i> (horseradish) root-----	Czechoslovakia-----	1			N.Y.
<i>Bathydema socia</i> Uhler (Lygaeidae): Orchid (plant)-----	Ecuador-----			2	Fla., N.Y.
<i>Batrachedra linaria</i> Clarke (Cosmopterigidae): <i>Agave shawii</i> -----	Mexico-----			2	Calif.
<i>Bephrata maculicollis</i> Cam. (Eurytomidae): <i>Annona muricata</i> (soursop)-----	Venezuela-----	1			Fla.
<i>Bibio marci</i> (L.) (Bibionidae): Airplane-----	France-----		1		N.Y.

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<i>Blastodacna atra</i> (Haw.) (Cosmopterigidae): <i>Malus sylvestris</i> (apple)-----	Poland, unknown-----	1	1		N.Y.
<i>Blastophagus piniperda</i> (L.) (Scolytidae): Conifer (crate)-----	Portugal-----	1			Fla.
<i>Blissus diplopterus</i> Dist. (Lygaeidae): <i>Ornithogalum thyrsoides</i> (Cape chinkerichee)---	Republic of South Africa. do-----	1			N.Y.
<i>Prunus armeniaca</i> (apricot)-----	do-----	2			N.Y.
<i>Blosyris scops</i> (Guen.) (Noctuidae): Airplane-----	Unknown-----		1		N.Y.
<i>Bostrichus capucinus</i> (L.) (Bostrichidae): <i>Glycyrrhiza</i> sp. (licorice) root-----	Syria-----	1			Md.
<i>Brachybaenus ablutus</i> (Brunn.) (Gryllacrididae): Airplane-----	Mexico-----		1		Tex.
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae): <i>Allium sativum</i> (garlic)-----	Italy-----	1			N.Y.
<i>Bradybaena similis</i> (Fer.) (Bradybaenidae): <i>Anthurium</i> sp. (cut flowers)-----	Hawaii-----	2			Hawaii.
<i>Antirrhinum majus</i> (snapdragon) cut flowers-----	Bermuda-----	1			N.Y.
<i>Asparagus plumosus</i> (fern asparagus)-----	Hawaii-----	1			Hawaii.
Plants—unidentified-----	Bermuda-----			1	Va.
<i>Zingiber officinale</i> (ginger)-----	Hawaii-----	1		1	Hawaii.
<i>Brevipalpus obovatus</i> Donn. (Tenuipalpidae): <i>Citrus sinensis</i> (sweet orange)-----	Argentina-----		1		Ga.
<i>Bruchidius lividimanus</i> (Gyll.) (Bruchidae): <i>Cytisus battandieri</i> (broom) seed-----	France-----			1	N.J.
<i>Bruchus dentipes</i> (Baudi) (Bruchidae): <i>Vicia faba</i> (broadbean)-----	Italy-----	1			Ill.
<i>Bruchus ervi</i> Froel. (Bruchidae): <i>Lens culinaris</i> (lentil)-----	England, Greece, Italy, Spain, Turkey-----	5	3		Fla., N.J., N.Y., Pa., Wis.
<i>Bruchus lentis</i> Froel. (Bruchidae): <i>Lens culinaris</i> (lentil)-----	Italy, Netherlands-----	3	1		N.J., N. S.C.
<i>Bruchus signaticornis</i> Gyll. (Bruchidae): <i>Lathyrus</i> sp. (peavine)-----	Italy-----	1			N.Y.
<i>Lens</i> sp. (lentil)-----	do-----	1		1	N.Y.
<i>Vicia faba</i> (broadbean)-----	do-----	1			N.Y.
<i>Bruchus tristis</i> Boh. (Bruchidae): <i>Lathyrus sativus</i> (grass peavine)-----	do-----	1		1	N.Y.
<i>Lupinus</i> sp. (lupine) seed-----	Azores-----			1	N.Y.
<i>Bulimulus fraterculus</i> (Potiez & Michaud) (Bulimulidae): Military cargo-----	Morocco-----	1			N.Y.
<i>Bulimulus hepatostomus</i> Pfeiffer (Bulimulidae): Cactus (plant)-----	Mexico-----			1	Tex.
<i>Bulimulus unicolor</i> (Sowerby) (Bulimulidae): <i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)-----	Honduras-----	3			N.Y., S.C.
<i>Cacoecimorpha pronubana</i> (Hbn.) (Tortricidae): <i>Dianthus caryophyllus</i> (carnation) cut flowers-----	Unknown-----	1			N.Y.
Plant material (flowers and vegetables)-----	France-----	1			N.Y.
<i>Punica granatum</i> (pomegranate)-----	Italy-----	3			N.Y.
<i>Callidium rufipenne</i> Motsch. (Cerambycidae): Wood (milled lumber)-----	Japan-----		1		Calif.*
<i>Callosobruchus analis</i> (F.) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea)-----	India-----		1		Tex.
<i>Phaseolus aureus</i> (mung bean)-----	do-----		1		Tex.
<i>Calocoris hispanicus</i> (Gmelin) (Miridae): <i>Rosa</i> hybrid (rose) petals-----	France-----	1			N.Y.
<i>Campylenchis hastata</i> F. (Membracidae): <i>Coffea</i> sp. (coffee) berry-----	Trinidad-----			1	Am. V.I.
<i>Capaneus tetricus</i> Stal (Corcidae): <i>Oncidium luridum</i> (orchid) plant-----	Mexico-----			1	Tex.
Orchid-----	do-----			1	Tex.
<i>Capillifera plebeia</i> (Draparnaud) (Helicellidae): Soil-----	Italy-----	1			N.Y.
<i>Cardiophorus histrio</i> Erichson (Elateridae): Succulent (plant)-----	Republic of South Africa. do-----			1	Fla.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Carposina niponensis</i> Wlsm. (Carposinidae): <i>Malus sylvestris</i> (apple)-----	Japan-----		9		Calif.,* Ha- wail, Pa., Wash.
<i>Pyrus communis</i> (pear)-----	do-----	1			Wash.
<i>Caryedon gonagra</i> (F.) (Bruchidae): Bagging (used)-----	Netherlands-----	1			S.C.
Stores-----	India, unknown-----		2		La., Tex.
<i>Tamarindus indica</i> (tamarind) pod-----	India-----		3		Pa., Tex.
<i>Caulotops distanti</i> (Reuter) (Miridae): <i>Agave victoriae-reginae</i> -----	Mexico-----			5	Tex.
<i>Cecilioides acicula</i> (Müller) (Achatinidae): <i>Apium graveolens</i> (celery)-----	Netherlands-----		1		Pa.
Bulb—unidentified-----	Germany-----			1	N.Y.
Orchid (plant)-----	British Honduras-----			1	Fla.
Soil with <i>Brassica napobrassica</i> (rutabaga)-----	Germany-----		1		Fla.
Soil with propagative material (cactus, <i>Olea europaea</i> , <i>Prunus</i> sp., <i>Sedum</i> sp., and unidentified plants).	Azores, Germany, Iran, Italy.			6	D.C., Mass., Mich., Pa.
<i>Cecilioides aperta</i> (Swainson) (?) (Achatinidae): <i>Encephalartos hilldebrandtii</i> (Hildebrandt kafirbread).	Kenya-----			1	N.J.
<i>Cenopalpus pulcher</i> (C. & F.) (Tenuipalpidae): <i>Sorbus domestica</i> (servicetree mountainash) fruit and leaf.	Italy-----	2			N.Y.
<i>Cepaea nemoralis</i> (L.) (Helicidae): Military cargo-----	France-----	3			La., N.Y.
<i>Ceratitis capitata</i> (Wied.) (Tephritidae): <i>Capsicum annuum</i> (pepper)-----	Italy-----	1			N.Y.
<i>Citrus limon</i> (lemon)-----	do-----	1			N.Y.
<i>C. paradisi</i> (grapefruit)-----	Cyprus, Italy, Spain, Turkey.		5		Ala., Ga., Md., N.Y., Pa.
<i>C. reticulata</i> (Mandarin orange)-----	Argentina, Italy-----	8			N.Y.
<i>C. sinensis</i> (sweet orange)-----	Azores, Italy, Leb- anon, Portugal, Spain, United Arab Republic, unknown.	5	11		Fla., N.Y., Pa., P.R.
<i>Coffea arabica</i> (Arabian coffee) berry-----	Brazil, Hawaii-----	50		2	Calif.,* Fla., Hawaii.
<i>Coffea</i> sp-----	Brazil-----	2			N.Y.
<i>Cydonia oblonga</i> (quince)-----	Greece, Italy-----	3			N.Y.
<i>Diospyros</i> sp. (persimmon)-----	Italy-----	1			N.Y.
<i>Eriobotrya japonica</i> (loquat)-----	do-----	2			N.Y.
<i>Ficus carica</i> (fig)-----	Argentina, Italy-----	17			Fla., Mass., N.Y.
<i>Malus sylvestris</i> (apple)-----	Italy-----	1			N.Y.
<i>Opuntia humifusa</i> (pricklypear)-----	Greece, Italy-----	4			N.Y.
<i>Prunus domestica</i> (plum)-----	Italy-----	2			Mass., N.Y.
<i>P. persica</i> (peach)-----	do-----	2	2		N.Y.
<i>P. persica</i> var. <i>nectarina</i> (nectarine)-----	Argentina-----	1			Fla.
<i>Psidium littorale</i> (Cattley guava)-----	Portugal-----	1			N.Y.
<i>P. littorale</i> var. <i>lucidum</i> (yellow Cattley guava)-----	do-----	1			N.Y.
<i>Punica granatum</i> (pomegranate)-----	Argentina, Israel, Italy.	6			Fla., N.Y.
<i>Pyrus communis</i> (pear)-----	Italy-----	6			Mass., N.Y.
Rosaceae (fruit)-----	Cyprus-----	2			N.Y.
<i>Sorbus</i> sp. (mountainash) fruit-----	Italy-----	1			N.Y.
<i>Terminalia catappa</i> (tropical almond)-----	Hawaii-----	2			Hawaii.
<i>Vitis</i> sp. (grape)-----	Azores-----		1		N.Y.
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae): <i>Citrus grandis</i> (pummelo)-----	Hawaii-----	1			Hawaii.
<i>C. paradisi</i> (grapefruit)-----	Peru(?)-----		1		Fla.
<i>C. sinensis</i> (sweet orange)-----	Italy, Spain-----		2		Fla., Mass
<i>Coffea arabica</i> (Arabian coffee) berry-----	Hawaii-----	3			Hawaii.
<i>Coffea</i> sp. (seed)-----	Ethiopia-----			1	D.C.
<i>Diospyros kaki</i> (kaki persimmon)-----	Argentina-----	1			Fla.
<i>Pandanus</i> sp. (screwpine) lei-----	Hawaii-----	1			Hawaii.
<i>Ceratitis colae</i> Silv. (Tephritidae): <i>Coffea</i> sp. (seed)-----	Ethiopia-----			1	D.C.



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<i>Cerconota anonella</i> (Sepp) (Stenomidae): <i>Annona squamosa</i> (sugar-apple)----- <i>Annona</i> sp. (fruit)-----	Brazil----- Brazil, Honduras, Paraguay.	1-----	1-----	3-----	N.Y. Fla., Tex.
<i>Ceroplastes rubens</i> Mask. (Coccidae): <i>Alyxia olivaeformis</i> (maile alyxia) leaf----- <i>Cibotium</i> sp. (tree fern)----- <i>Polypodium</i> sp. (fern)-----	Hawaii----- do----- Tahiti-----	1----- 1----- 1-----	-----	-----	Calif.* Hawaii. Hawaii.
<i>Cerotoma atrofasciata</i> Jac. (Chrysomelidae): <i>Fragaria</i> sp. (strawberry)-----	Mexico-----	2-----	-----	-----	N.Y.
<i>Ceutorhynchus pleurostigma</i> Marsh. (Curculionidae): <i>Brassica rapa</i> (turnip)-----	Italy-----	-----	1-----	-----	Calif.*
<i>Characoma albulalis</i> Wlk.(?) (Noctuidae): Airplane-----	Unknown-----	-----	1-----	-----	Hawaii.
<i>Chilo loftini</i> Dyar (Crambidae): <i>Saccharum officinarum</i> (sugarcane)-----	Mexico-----	44-----	-----	-----	Ariz., Calif.
<i>Chilo suppressalis</i> (Wlk.) (Crambidae): Cargo (with <i>Santalum</i> sp. (sandalwood) tree)----- <i>Oryza sativa</i> (rice) straw-----	Japan----- Japan, Philippines, Spain, unknown.	15-----	2-----	1-----	Hawaii. Calif.,* Hawaii, N.J., N.Y., Va.
<i>Chilo zonellus</i> (Swinh.) (Crambidae): Airplane-----	Philippines-----	-----	1-----	-----	Hawaii.
<i>Chlorotettix tethys</i> Van Duzee (Cicadellidae): Airplane-----	Nicaragua-----	-----	1-----	-----	P.R.
<i>Chondropoma picta</i> (Pfeiffer)(?) (Pomatiasidae): Orchid (plant)-----	Cuba-----	-----	-----	1-----	Fla.
<i>Chondrula pupa</i> (Bruguiere)(?) (Enidae): Roots—unidentified-----	Italy-----	1-----	-----	-----	N.Y.
<i>Chrysomphalus agavis</i> (Townsend & Ckll.) (Coccidae): <i>Yucca</i> sp.-----	Mexico-----	-----	-----	1-----	Calif.*
<i>Chrysomphalus calurus</i> (Ckll.) (Coccidae): <i>Spondias mombin</i> (yellow mombin)-----	Guatemala, Nicaragua.	2-----	-----	-----	Calif.*
<i>Chrysomphalus nigropunctatus</i> (Ckll.) (Coccidae) (tentative): <i>Dracaena</i> sp. (stem)-----	Costa Rica-----	-----	-----	1-----	Fla.
<i>Chrysomphalus nulliporus</i> McKenzie (Coccidae): <i>Dendrobium</i> sp. (orchid) leaf-----	India-----	-----	-----	1-----	N.J.
<i>Chrysomphalus odontoglossi</i> (Ckll.) (Coccidae): <i>Cydonia oblonga</i> (quince)-----	Peru-----	1-----	-----	-----	Fla.
<i>Chrysomphalus paulistus</i> (Hempel) (Coccidae) (tentative): <i>Laurus</i> sp. (laurel) leaf-----	Argentina-----	1-----	-----	-----	Fla.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae): <i>Citrus aurantifolia</i> (lime)----- <i>C. aurantium</i> (sour orange)----- <i>C. limon</i> (lemon)----- <i>C. paradisi</i> (grapefruit)----- <i>C. sinensis</i> (sweet orange)-----	Brazil, Mexico----- Brazil----- do----- do----- Argentina, Brazil, unknown.	----- ----- ----- ----- 2-----	----- ----- ----- ----- 19-----	----- ----- ----- ----- -----	Calif.* Calif.* Calif.* Calif.* Calif.,* Fla. Pa.
<i>Cocos nucifera</i> (coconut) cap----- Leaf—unidentified-----	Costa Rica----- do-----	1----- -----	----- 1-----	----- -----	Calif.* Calif.*
<i>Mangifera indica</i> (mango)-----	Mexico-----	2-----	-----	-----	Calif.
<i>Chrysomphalus sphaerioides</i> (Ckll.) (Coccidae): <i>Chamaedorea</i> sp. (palm) plant-----	do-----	-----	-----	1-----	Calif.
<i>Chrysomphalus tenax</i> (McKenzie) (Coccidae): <i>Philodendron dubium</i> -----	do-----	-----	-----	1-----	Tex.
<i>Chrysomphalus tingi</i> (McKenzie) (Coccidae): <i>Agave americana</i> (century plant)-----	do-----	-----	-----	1-----	Calif.*
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae): Bromeliad (plant)----- <i>Cattleya</i> sp. (orchid) leaf-----	Costa Rica----- Honduras-----	----- -----	----- -----	1----- 1-----	Fla. Fla.

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<i>Chrysomphalus umboniferus</i> —Continued					
<i>Diachaea</i> sp. (orchid) leaf	Costa Rica	-		1	Fla.
Orehid (leaf)	Canal Zone, Costa Rica, El Salvador, Guatemala, Mexico, Peru.			13	Ariz., Calif.,* Fla.
<i>Philodendron</i> sp. (leaf)	Peru			1	Fla.
<i>Sobralia</i> sp. (orchid) leaf	Costa Rica			1	Calif.*
<i>Cladius pectinicornis</i> (Fourc.) (Tenthredinidae):					
<i>Rosa</i> hybrid (rose)	Denmark, England, Germany, Netherlands.	4	1	1	Ill., Mich., N. Y., Wash.
Soil with <i>Ilex</i> sp. plant	Switzerland			1	N. Y.
<i>Clausilia lineolata</i> Held (?) (Clausiliidae):					
Military cargo	France	1			N. J.
<i>Cleistolophus similis</i> (Chev.) (Curculionidae):					
<i>Chrysanthemum</i> sp. (cut flowers)	Guatemala	1			Fla.
<i>Clerada apicicornis</i> Sign. (Lygaeidae):					
Baggage	Hawaii	1			Hawaii.
Grass (dried—used for tea)	Dominican Republic	1			N. Y.
<i>Clysiana ambiguella</i> (Hbn.) (Phaloniidae):					
<i>Prunus persica</i> (peach)	Italy	1			N. Y.
<i>Vitis</i> sp. (grape)	do	1			N. Y.
<i>Coccus alpinus</i> deLotto (Coccidae):					
<i>Coffea arabica</i> (Arabian coffee)	Brazil	1		1	Fla.
<i>Coccus viridis</i> (Green) (Coccidae):					
<i>Alpinia purpurata</i>	Hawaii	1			Hawaii.
<i>Alstonia</i> sp. (leaf)	New Guinea	1			Calif.*
<i>Citrus</i> sp. (plant)	Tahiti			1	Hawaii.
<i>Coffea arabica</i> (Arabian coffee) berry	Hawaii	8			Hawaii.
<i>Gardenia jasminoides</i>	do	121	2	7	Calif.* Hawaii.
<i>Ixora chinensis</i>	Fiji	1			Hawaii.
<i>Ixora</i> sp.	Tahiti	2			Hawaii.
<i>Plumeria rubra</i> (Mexican frangipani)	Hawaii			1	Hawaii.
<i>Plumeria</i> sp.	do		1	2	Hawaii.
<i>Polianthes tuberosa</i> (tuberose)	Tahiti	1			Hawaii.
<i>Schinus terebinthifolia</i> (Brazil peppertree)	Hawaii	1			Hawaii.
<i>Triphasia trifolia</i> (limeberry)	do			1	Hawaii.
<i>Cochlicella barbara</i> (L.) (Helicellidae):					
Military cargo	Italy, Libya, Morocco, Spain.	24			La., N. Y., S. C., Va.
<i>Mirabilis jalapa</i> (common four-o'clock) seed	France			1	Pa.
Soil	Italy	1			N. Y.
<i>Cochlicella conoidea</i> (Draparnaud) (Helicellidae):					
Military cargo	Spain	1			Va.
<i>Cochlicella ventrosa</i> (Fer.) (Helicellidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (broccoli) seed	Italy			1	N. Y.
<i>Cedrus</i> sp. (cedar)	Bermuda		1		Fla.
Military cargo	Azores, Italy, Morocco, Spain, Turkey.	13			La., N. Y., S. C., Tex., Va.
Soil with unidentified plants	Bermuda			1	Va.
<i>Conchaspis orchidarum</i> Mamet (Coccidae):					
Orchid (pseudobulb)	Panama			1	P. R.
<i>Conchylodes bryophilalis</i> Hamp. (Pyraustidae):					
Airplane	Costa Rica		1		Fla.
<i>Conocephalus longipennis</i> (Haan) (Tettigoniidae):					
Airplane	Philippines		1		Hawaii.
<i>Conoderus exsul</i> (Sharp) (Elateridae):					
<i>Asparagus myriocladus</i>	Hawaii	1			Hawaii.
<i>Conotelus mexicanus</i> Murr. (Nitidulidae):					
<i>Chrysanthemum</i> sp. (cut flowers)	Mexico	5			Ariz., Tex.
<i>Cucurbita</i> sp.	do	1			Ariz.
<i>Gardenia</i> sp.	Hawaii	1			Hawaii.
<i>Lathyrus odoratus</i> (sweetpea)	Mexico	1			Tex.
<i>Plumeria</i> sp.	Hawaii	1			Hawaii.
<i>Spinacia oleracea</i> (spinach)	Mexico	1			Tex.
<i>Vanda</i> sp. (orchid)	Hawaii	1			Hawaii.
<i>Zinnia</i> sp. (cut flowers)	Mexico	1			Ariz.

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<i>Conotrachelus aguacatae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado)	Mexico	11			Ariz., Tex.
<i>Conotrachelus perseae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado)	do	1			Tex.
<i>Contigaspis indogoferae</i> Hall (Coccidae): Succulent (plant)	Republic of South Africa.			1	D.C.
<i>Coptotermes testaceus</i> L. (Rhinotermitidae): <i>Jacaranda</i> sp. (log)	Brazil	1			La.
<i>Coryda nemoraloides</i> (C. B. Adams) (Helminthoglyptidae): <i>Philodendron</i> sp. (plant)	Jamaica			1	Fla.
<i>Corythaica carinata</i> Uhler (Tingidae): Herb (dried)	Barbados	1			N.Y.
<i>Mentha</i> sp. (mint) leaf	Haiti	1			N.Y.
<i>Corythaica cyathicollis</i> (Costa) (Tingidae): Flowers	Antigua	1			Am. V.I.
<i>Corythucha mcelfreshi</i> Drake (Tingidae): <i>Montanoa hibiscifolia</i>	Mexico	1			Tex.
<i>Coryzorhaphis cruciata</i> Stal (Pentatomidae): Cargo	Honduras	1			S.C.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae): <i>Musa</i> sp. (banana) plant	Mexico			1	Tex.
<i>Crocidophora sinialis</i> (Wlk.) (Pyraustidae): Airplane	Japan(?)		1		Hawaii.
<i>Cryphula apicata</i> (Dist.) (Lygaeidae): Bromeliad (plant)	Canal Zone, Mexico			3	Ariz., Fla., Tex.
Cactus (plant)	Mexico			1	Tex.
Orchid (plant)	British Honduras, Guatemala, Honduras, Mexico.			10	Ariz., Fla., Tex.
Plant—unidentified	Mexico			1	Tex.
<i>Cryptoblabes gnidiella</i> (Mill.) (Phycitidae): <i>Citrus sinensis</i> (sweet orange)	Italy, Spain, unknown.	1	11		Fla., N.Y., N.C.
<i>Punica granatum</i> (pomegranate)	France, Greece, Israel, Italy.	15			Mich., N.Y.
<i>Vitis</i> sp. (grape)	Italy	1			N.Y.
<i>Cryptocephalus marginicollis</i> Suffr. (Chrysomelidae): <i>Ananas comosus</i> (pineapple)	Cuba	1			Fla.
<i>Cryptophlebia leucotreta</i> (Meyr.) (Olethreutidae): <i>Citrus sinensis</i> (sweet orange)	Republic of South Africa.		2		Pa.
<i>Coffea arabica</i> (Arabian coffee)	Ethiopia			1	D.C.
<i>Cryptophlebia ombrodelta</i> (Lower) (Olethreutidae): <i>Phaseolus lunatus</i> (lima bean)	Hawaii	1			Hawaii.
<i>Pithecellobium dulce</i> (guamachil apes-earring) pod.	do	1			Hawaii.
<i>Samanea saman</i> (raintree saman) seed	do			1	Hawaii.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae): Paper (carton)	do	2			Hawaii.
<i>Ctenoglyphus plumiger</i> (Koch) (Glycyphagidae): <i>Citrus sinensis</i> (sweet orange)	Argentina		1		Fla.
<i>Curculio elephas</i> (Gyll.) (Curculionidae): <i>Castanea</i> sp. (chestnut)	Greece, Italy, Portugal, Spain, Yugoslavia.	118			Ill., Mass., N.Y., Pa.
<i>Quercus suber</i> (cork oak) seed	Spain			1	N.J.
<i>Quercus</i> sp. (seed)	Italy	2			N.Y.
<i>Curculio nucum</i> L. (Curculionidae): <i>Castanea</i> sp. (chestnut)	do	1			N.Y.
<i>Corylus avellana</i> (European filbert) nut	Italy, Lithuania	2			N.Y.
<i>Corylus</i> sp. (hazelnut)	France	1			N.Y.
<i>Cylas formicarius</i> (F.) var. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato)	Puerto Rico	2			P.R.

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<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato).....	Antigua, Cuba, Dominican Republic, Haiti(?), Trinidad, Venezuela.	8	6	-----	Ala., Fla., N.Y., P.R.
<i>Cylas puncticollis</i> Boh. (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato).....	Sierra Leone.....	-----	1	-----	Md.
<i>Dacus dorsalis</i> Hend. (Tephritidae): <i>Artocarpus altilis</i> (breadfruit).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Carica papaya</i> (papaya).....	do.....	2	-----	-----	Hawaii.
<i>Mangifera indica</i> (mango).....	Guam, Hawaii.....	5	-----	-----	Calif.,* Hawaii.
<i>Murraya paniculata</i> (orange-jasmine) fruit.....	Hawaii.....	1	-----	-----	Hawaii.
<i>Musa</i> sp. (banana).....	do.....	1	-----	-----	Hawaii.
<i>Psidium guajava</i> (guava).....	Hawaii, Philippines.....	3	-----	-----	Hawaii.
<i>Terminalia catappa</i> (tropical almond).....	Hawaii.....	7	-----	-----	Hawaii.
<i>Dacus dorsalis</i> Hend. (?) (Tephritidae): <i>Eugenia malaccensis</i> (Malay-apple).....	do.....	1	-----	-----	Hawaii.
<i>Psidium guajava</i> (guava).....	Unknown.....	-----	1	-----	Hawaii.
<i>Terminalia catappa</i> (tropical almond).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Dacus oleae</i> (Gmel.) (Tephritidae): <i>Olea europaea</i> (olive).....	Cyprus, Italy, Lebanon, Spain, Syria.	43	-----	-----	Mass., N.Y.
<i>Deilephila nerii</i> (L.) (Sphingidae): Cargo (with cow horns in boxes).....	Africa (country?).....	1	-----	-----	La.
<i>Deloyala guttata</i> (Ol.) (Chrysomelidae): Airplane.....	Dominican Republic.....	-----	1	-----	P.R.
<i>Dendrocoris variegatus</i> Nelson (Pentatomidae): Orchid (plant).....	Mexico.....	-----	-----	1	Tex.
Plant—unidentified.....	do.....	-----	-----	1	Tex.
<i>Dendrothripoides ipomeae</i> Bagnall (Thripidae): <i>Operculina tuberosa</i> (wood-rose).....	Hawaii.....	1	-----	-----	Hawaii.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae): <i>Rhododendron</i> 'Ursula Sims'.....	Germany.....	-----	-----	1	N.J.
<i>Rhododendron</i> sp.....	England, Netherlands.	-----	-----	19	N.J.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae): <i>Citrus sinensis</i> (sweet orange) leaf.....	Nicaragua.....	1	-----	-----	Calif.*
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae): <i>Gardenia</i> sp. (leaf).....	Tahiti.....	2	-----	-----	Calif.,* Hawaii.
<i>Jasminum sambac</i> (Arabian jasmine).....	Hawaii.....	2	-----	1	Hawaii.
<i>Jasminum</i> sp. (leaf).....	Philippines.....	-----	-----	1	Calif.*
<i>Diaphania indica</i> (Saund.) (Pyraustidae): <i>Cucumis</i> sp.....	Jamaica.....	2	-----	-----	Fla.
<i>Diaphone eumela</i> (Cram.) (Noctuidae): <i>Ornithogalum thyrsoides</i> (Cape chinkerichee).....	Republic of South Africa.	2	-----	-----	N.Y.
<i>Diaspis juniperi</i> (Bouché) (Coccidae): <i>Juniperus squamata</i> var. <i>wilsonii</i> (Wilson singleseed juniper).	Netherlands.....	-----	-----	1	D.C.
<i>Juniperus</i> sp. (berry).....	Yugoslavia.....	-----	-----	1	Mich.
<i>Thuja occidentalis</i> 'Indomitabile'.....	Netherlands.....	-----	-----	1	D.C.
<i>Diaspis minima</i> Targ. (Coccidae): <i>Cupressus</i> sp. (cypress) cone.....	France, Italy.....	2	-----	-----	Mass., N.Y.
<i>Diatraea magnifactella</i> Dyar (Crambidae): <i>Saccharum officinarum</i> (sugarcane) node.....	Mexico.....	1	-----	-----	Tex.
<i>Dichelops furcatus</i> (F.) (Pentatomidae): <i>Vitis</i> sp. (grape).....	Argentina.....	1	-----	-----	La.
<i>Dichocrocis punctiferalis</i> (Guen.) (Pyraustidae): <i>Pinus</i> sp. (5-needle pine) twig.....	Japan.....	-----	-----	1	Calif.*
<i>Dichromothrips corbetti</i> (Priesner) (Thripidae): <i>Vanda</i> 'Miss Joachim' (orchid).....	Hawaii.....	4	-----	-----	Hawaii.
<i>Diocalandra taitensis</i> (Guer.) (Curculionidae): <i>Cocos nucifera</i> (coconut).....	do.....	4	1	-----	Calif.,* Hawaii.
<i>Dolerus anthracinus</i> (Klug) (Tenthredinidae): Airplane.....	France.....	-----	1	-----	Ill.

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<i>Drosicha howardi</i> (Kuw.) (Coccidae) (tentative): <i>Rhododendron</i> sp.	Japan			1	D.C.
<i>Drymaeus alternans</i> (Beck) (Bulimulidae): Bromeliad (plant)	Costa Rica, Honduras, Guatemala			2	Fla.
Orchid (plant)				1	Tex.
<i>Drymaeus cuernavacensis</i> (Crosse & Fischer) (Bulimulidae): Orchid (plant)	Mexico			1	Tex.
<i>Drymaeus hegewischi</i> (Pfeiffer) (Bulimulidae): Bromeliad (plant)	do			2	Ariz., Tex.
<i>Drymaeus hepatostomus</i> (Pfeiffer) (?) (Bulimulidae): <i>Selaginella</i> sp. (plant)	do			1	Tex.
<i>Drymaeus heyneimanni</i> (Pfeiffer) (Bulimulidae): Orchid (plant)	do			1	Tex.
<i>Drymaeus multilineatus</i> (Say) (Bulimulidae): Orchid (plant)	Venezuela			1	Fla.
<i>Drymaeus rudis</i> (Anton) (Bulimulidae): Orchid (plant)	Mexico			1	Tex.
<i>Dyscinetus frater</i> Bates (Scarabaeidae): Quarters	do		1		Fla.
<i>Dyscinetus laevipunctatus</i> Bates (Scarabaeidae): Quarters	do		1		Fla.
<i>Dysdercus mimulus</i> Hussey (Pyrrhocoridae): Automobile	do		2		Tex.
Railway car	do		1		Tex.
<i>Dysdercus mimus</i> (Say) (?) (Pyrrhocoridae): Cargo (with bananas)	Ecuador	1			Fla.
<i>Dysdercus obliquus</i> (H.-S.) (?) (Pyrrhocoridae): Railway car	Mexico		1		Ariz.
<i>Dyspessa uluia</i> (Bkh.) (Cossidae): <i>Allium sativum</i> (garlic)	Spain	1			P.R.
<i>Earias insulana</i> (Bdv.) (Noctuidae): <i>Hibiscus esculentus</i> (okra) pod	Unknown	1			N.Y.
<i>Ectomyelois ceratoniae</i> (Zell.) (Phycitidae): <i>Annona reticulata</i> (custard-apple)	Jamaica	1			Fla.
<i>Barringtonia</i> sp. (pod)	Hawaii	3			Hawaii.
<i>Ceratonis siliqua</i> (carob) pod	Italy, Netherlands(?), Yugoslavia.	5			N.Y.
<i>Citrus limon</i> (lemon)	Italy		1		N.Y.
<i>C. paradisi</i> (grapefruit)	do	1			Md.
<i>C. sinensis</i> (sweet orange)	Azores, Italy, Republic of South Africa, Spain, Union of Soviet Socialist Republics, unknown.	2	8		Fla., Mass., N.Y., N.C., Va.
<i>Cydonia oblonga</i> (quince)	Greece, Italy	2			N.Y.
<i>Ficus carica</i> (fig)	Italy	2			N.Y.
<i>Juglans</i> sp. (walnut)	Greece, Italy	5			N.Y., Wash.
Legume (pod)	Italy	1			N.Y.
<i>Prunus amygdalus</i> (almond)	Greece	1			N.Y.
<i>Punica granatum</i> (pomegranate)	Greece, Italy	4			N.Y.
<i>Pyrus communis</i> (pear)	Italy	1			N.Y.
<i>Tamarindus indica</i> (tamarind) pod	Bahamas	1	1		Fla.
<i>Ectomyelois phoenicis</i> (Durrant) (?) (Phycitidae): <i>Ficus carica</i> (fig) dried	Italy	1			N.Y.
<i>Elaphidion conspersum</i> Newm. (Cerambycidae): Airplane	Dominican Republic		1		P.R.
<i>Ephestia calidella</i> (Guen) (Phycitidae): <i>Capsicum annuum</i> (pepper)	Italy	1			N.Y.
<i>Epichorista ionephela</i> (Meyr.) (Tortricidae): <i>Ornithogalum thyrsoides</i> (Cape chinkerichee)	Republic of South Africa.	1			N.Y.
<i>Epilachna borealis</i> (F.) var. (Coccinellidae): <i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)	Ecuador	2			Md., Tex.
<i>Epinotia aporema</i> (Wlsm.) (Olethreutidae): <i>Phaseolus vulgaris</i> cv. (string bean)	Mexico	1	1		Tex.
<i>Epitranus lacteipennis</i> Cam. (Chalcididae): Vanda 'Miss Joachim' (orchid)	Hawaii	1			Hawaii.
<i>Eriophyes canstrinii</i> (Nal.) (Eriophyidae): <i>Buxus sempervirens</i> (boxwood)	England, Netherlands		3	2	N.J., Wash.

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<i>Eriophyes leionotus</i> (Nal.) (Eriophyidae): <i>Betula coerulea</i> (blueleaf birch) leaf.....	Sweden.....	1			N.Y.
<i>Ethelema schruba</i> Sharp (Colydiidae): Bromeliad (plant).....	Mexico.....			1	Tex.
<i>Eucalymnatus tessellatus</i> (Sign.) (Coccidae): <i>Gardenia</i> sp. (leaf).....	do.....	2			Tex.
Orchid (leaf).....	Dominica.....			1	Fla.
<i>Eucheira socialis</i> Westw. (Pieridae): <i>Arbutus menziesii</i> (Pacific madrone).....	Mexico.....	1			Tex.
<i>Euphyllura olivina</i> (Costa) (Psyllidae): <i>Olea europaea</i> (olive) branch.....	Italy.....	1			N.Y.
<i>Eurygaster integriceps</i> Puton (Pentatomidae): <i>Triticum aestivum</i> (wheat).....	Israel.....			1	N.Y.
<i>Eurytoma crchidearum</i> (Westw.) (Eurytomidae): <i>Cattleya labiata</i> (orchid).....	Brazil.....			1	Fla.
Orchid.....	Colombia, Hawaii, unknown.			4	Fla., Hawaii.
Orchid.....	Mexico.....			1	Calif.*
<i>Euscepes postfasciatus</i> (Fairm.) (Curculionidae): <i>Ipomoea batatas</i> (sweetpotato).....	Brazil, Hawaii, Peru, Puerto Rico, Trini- dad.	2	3		Ala., Calif.,* Md., P.R.
<i>Eustrophinus marginatus</i> (Champ.) (Melandryi- dae): Orchid.....	Mexico.....			2	Tex.
<i>Euxoa bilitura</i> (Guen.) (Noctuidae): Airplane.....	Unknown.....		1		Fla.
<i>Everes comyntas</i> (Godt.) (Lycaenidae): <i>Phaseolus vulgaris</i> cv. (string bean).....	Mexico.....	4			Tex.
<i>Pisum sativum</i> (pea).....	do.....	1			Tex.
<i>Evergestis forficalis</i> (L.) (Pyraustidae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	France, Germany, Italy.		6		N.Y., N.C.
<i>Exptochiamera albomaculata</i> (Dist.) (Lygaeidae): Orchid (plant).....	Guatemala, Mexico.....			3	Fla., Tex.
<i>Exptochiamera confusa</i> Barber (Lygaeidae): Orchid (plant).....	Mexico.....			1	Tex.
<i>Solanum melongena</i> (eggplant).....	do.....	1			Ariz.
<i>Exptochiamera formosa</i> (Dist.) (Lygaeidae): <i>Aloe vera</i> (true aloe).....	do.....			1	Tex.
<i>Philodendron hastatum</i> .....	do.....			1	Tex.
<i>Exptochiamera tumens</i> (Stal) (Lygaeidae): Bromeliad (plant).....	Canal Zone.....			1	Fla.
<i>Fiorinia theae</i> Green (Coccidae): <i>Camellia</i> sp. (leaf).....	Mexico.....	1			Tex.
<i>Forficula aetolica</i> Brunn. (Forficulidae): <i>Punica granatum</i> (pomegranate).....	Greece.....	1			N.Y.
<i>Forficula decipiens</i> Gene (Forficulidae): <i>Triticum aestivum</i> (wheat) straw jacket.....	France.....	1			N.J.
<i>Forficula senegalensis</i> Serv. (Forficulidae): Baggage.....	Africa (country(?)).....	1			Md.
<i>Frankliniella formosae</i> Mlt. (Thripidae): <i>Chrysanthemum morifolium</i> (florists chrysan- themum) cut flowers.	Japan.....	16	2		Hawaii, Wash.
<i>Cyclamen</i> sp.....	do.....	1			Hawaii.
<i>Dianthus caryophyllus</i> (carnation).....	Formosa, Japan.....	19	4		Hawaii, Oreg., Wash.
<i>Disporum kawakamii</i> (fairybells) Flowers.....	Formosa.....			1	Wash.
	Formosa, Japan, unknown.	2	2		Wash.
<i>Gardenia</i> sp.....	Japan.....		1		Hawaii.
<i>Litchi chinensis</i> (lychee).....	Hong Kong.....	1			Hawaii.
<i>Oryza sativa</i> (rice).....	Okinawa.....	1			Hawaii.
<i>Pandanus</i> sp. (screwpine).....	American Samoa.....	1			Hawaii.
<i>Rosa</i> hybrid.....	Japan, Philippines.....	1	1		Hawaii.

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<i>Frankliniella intonsa</i> (Tryb.) (Thripidae):					
<i>Dianthus caryophyllus</i> (carnation)-----	Germany, unknown-----	1	1		N.Y., Wash.
Flowers-----	England, Iceland, unknown.	1	2		N.J., Pa., Wash.
<i>Gladiolus</i> hybrid (cut flowers)-----	Israel-----	1			N.Y.
Nursery stock-----	Netherlands-----			1	N.J.
<i>Rosa</i> hybrid (rose)-----	England, France, Germany, un- known, Yugoslavia.	4	2	1	Mass., Mich., N.Y., Pa., Wash.
Soil with <i>Primula</i> sp. (plant)-----	England-----			1	N.J.
<i>Frankliniella panamensis</i> Hood (Thripidae):					
<i>Zantedeschia aeothiopica</i> (calla lily)-----	Colombia-----	1			N.Y.
<i>Frankliniella schultzei</i> (Tryb.) (Thripidae):					
<i>Chrysanthemum</i> sp.-----	Australia-----	1			Hawaii.
<i>Dianthus</i> sp.-----	do-----		1		Hawaii.
<i>Frankliniella sulphurea</i> Schmutz (Thripidae):					
<i>Rosa</i> hybrid (cut flowers)-----	Tahiti-----	1			Hawaii.
<i>Frankliniella tenuicornis</i> (Uzel) (Thripidae):					
Flowers-----	Unknown-----		1		Pa.
<i>Frankliniella williamsi</i> Hood (Thripidae):					
<i>Chrysanthemum</i> sp. (cut flowers)-----	Mexico-----	1			Ariz.
Orchid (plant)-----	do-----			1	Tex.
<i>Zea mays</i> (corn)-----	do-----	2			Ariz., Tex.
<i>Fundella pellucens</i> (Zell.) (Phycitidae):					
<i>Cajanus cajan</i> (pigeonpea)-----	Jamaica, St. Kitts-----	2			Am. V.I., N.Y.
<i>Phaseolus vulgaris</i> ev. (string bean)-----	Surinam-----		1		Fla.
<i>Pisum sativum</i> (pea)-----	Puerto Rico-----	1			P.R.
<i>Vigna sinensis</i> (cowpea)-----	do-----	1			P.R.
<i>Furcaspis oceanica</i> Ldgr. (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Eniwetok, Kwajalein, Marshall Islands, unknown.	5			Hawaii.
<i>Galgupha punctifer</i> McA. & Mall. (Pentatomidae):					
Bromeliad (plant)-----	Mexico-----			1	Tex.
<i>Galgupha quadrisignata</i> (Stal) (Pentatomidae):					
Bromeliad (plant)-----	do-----			1	Tex.
Orchid (plant)-----	Honduras-----			1	Fla.
<i>Genaparlatoria pseudaspidotus</i> (Ldgr.) (Coccidae):					
Orchid-----	Singapore-----			1	Calif.*
<i>Vanda teres</i> (orchid)-----	Formosa-----			1	Calif.*
<i>Vanda</i> sp.-----	Hawaii-----			2	Calif.*
<i>Geotomus pygmaeus</i> (Dallas) (Cydnidae):					
Airplane-----	Tahiti-----		1		Hawaii.
<i>Alpinia purpurata</i> -----	Hawaii-----	1			Hawaii.
Baggage-----	do-----	1			Hawaii.
<i>Cordyline terminalis</i> (ti)-----	do-----			1	Hawaii.
<i>Glycyphagus michaeli</i> Oud. (Glycyphagidae):					
<i>Malus sylvestris</i> (apple)-----	Japan-----	1			Wash.
<i>Gnorimoschema borsaniella</i> Koehr. (Gelechiidae):					
<i>Capsicum annuum</i> (pepper)-----	Peru-----	1			Fla.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae):					
<i>Capsicum annuum</i> (pepper)-----	Mexico-----	6			Ariz., Calif., Tex.
<i>Lycopersicon esculentum</i> (tomato)-----	do-----	1			Tex.
<i>Gnorimoschema ocellatella</i> (Boyd) (Gelechiidae):					
<i>Beta vulgaris</i> (beet)-----	United Arab Republic-----		3		Pa.
<i>B. vulgaris</i> var. <i>cicla</i> (Swiss chard)-----	Italy-----		1		N.Y.
Stores-----	do-----		1		N.Y.
<i>Gnorimoschema plaesiosema</i> (Turner) (Gelechiidae):					
<i>Solanum tuberosum</i> (potato)-----	Peru-----	1			Fla.
<i>Goniogaster variicolor</i> Mayr (Torymidae):					
<i>Ficus</i> sp. (wild fig)-----	Ethiopia-----	1			N.Y.

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<i>Gonocerus insidiator</i> (F.) (Corcidae): <i>Mimosa</i> sp. (blooms)-----	France-----	1			N.Y.
<i>Gortyna flavago</i> (Schiff.) (Noctuidae): <i>Cynara cardunculus</i> (cardoon) stem-----	Italy-----	1			Md.
<i>Gracilaria azalea</i> Brants (Gracilariidae): <i>Rhododendron</i> sp. (azalea) leaf-----	Belgium, Netherlands-----			3	N.Y.
<i>Grapholitha funebrana</i> (Treit.) (Olethreutidae): <i>Prunus domestica</i> (plum)-----	Czechoslovakia, Poland-----	2			N.Y.
<i>Grapholitha janthiana</i> (Dup.) (Olethreutidae): <i>Malus sylvestris</i> (apple)-----	Hungary-----	1			N.Y.
<i>Grapholitha packardi</i> Zell. (Olethreutidae): <i>Cydonia oblonga</i> (quince)-----	Mexico-----	1			Tex.
<i>Gymnandrosoma aurantianum</i> Costa Lima (Olethreutidae): <i>Citrus sinensis</i> (sweet orange)-----	Colombia, unknown-----		2		Md., N.Y.
<i>Gymnococcus agavium</i> (Dougl.) (Coccidae): Cactus (plant)-----	Mexico-----			1	N.Y.
<i>Haplothrips aculeatus</i> (F.) (Phlaeothripidae): Flowers-----	Iceland-----		1		N.J.
Packing (with <i>Aphelandra</i> sp. cuttings)-----	Denmark-----			1	N.Y.
Plant material (dried)-----	Poland-----	1			Ill.
<i>Haplothrips clarisetis</i> Priesner (?) (Phlaeothripidae): <i>Portulaca oleracea</i> (purslane)-----	Mexico-----	1			Tex.
<i>Haplothrips cottei</i> (Vuillet) (Phlaeothripidae): <i>Dianthus caryophyllus</i> (carnation)-----	Portugal-----	2			N.Y.
<i>Haplothrips gowdeyi</i> (Frankl.) (Phlaeothripidae): <i>Aster</i> sp.-----	Australia-----		1		Hawaii.
<i>Chrysanthemum</i> sp.-----	Australia, Japan-----	1	1		Hawaii, Wash.
Flowers-----	Guadeloupe, Haiti, Japan-----	4			Fla., P.R., Wash.
<i>Helichrysum</i> sp. (everlasting flower)-----	Formosa-----	1			Hawaii.
<i>Hibiscus</i> sp.-----	Okinawa-----	1			Hawaii.
<i>Molucella laevis</i> (bell of Ireland)-----	Haiti-----	1			Fla.
<i>Nerine</i> sp. (cut flowers)-----	Republic of South Africa-----	1			N.Y.
Orchid-----	Mexico-----			1	Hawaii.
<i>Ornithogalum</i> sp. (chinkerichee)-----	Republic of South Africa-----		1		N.Y.
<i>Polianthes tuberosa</i> (tuberose)-----	Tahiti-----	1			Hawaii.
<i>Harmolita ips</i> (Wlk.) (Eurytomidae): Straw (packing)-----	France-----	1			Ga.
<i>Helicella candidula</i> (Studer) (Helicellidae): Soil-----	Italy-----	1			N.Y.
<i>Helicella caperata</i> (Montagu) (Helicellidae): Herbs (dry)-----	Cuba-----	1			Fla.
<i>Impatiens balsamina</i> (garden balsam) seed-----	England-----			1	N.Y.
<i>Helicella cespitum</i> (Draparnaud) (Helicellidae): Military cargo-----	Spain-----	2			La., N.Y.
<i>Helicella conspurcata</i> (Draparnaud) (Helicellidae): <i>Laurus nobilis</i> (Grecian laurel)-----	Italy-----			1	N.Y.
Military cargo-----	Italy, Spain-----	3			Del., La., Tex.
Soil with <i>Ailanthus</i> sp. and unidentified plant-----	Italy-----			2	N.Y.
<i>Helicella derbentina</i> Andrz. (Helicellidae): Military cargo-----	Turkey-----	3			La., N.Y.
<i>Helicella itala</i> (L.) (Helicellidae): <i>Cichorium endivia</i> (endive)-----	Italy-----		1		N.Y.
<i>C. intybus</i> (escarole)-----	do-----		1		N.Y.
<i>Lactuca sativa</i> (lettuce)-----	do-----		1		N.Y.
<i>Cotinus coggygia</i> (common smoketree) seed-----	do-----			1	N.J.
<i>Helicella maritima</i> (Draparnaud) (Helicellidae): Military cargo-----	Greece, Spain-----	6			Del., N.Y., S.C., Tex.
<i>Mirabilis jalapa</i> (common four-o'clock) seed-----	France-----			1	Pa.
<i>Rosa</i> hybrid-----	do-----	2			N.Y.
<i>Thymus</i> sp. (thyme) plant-----	Italy-----			1	N.Y.



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<i>Helicella neglecta</i> (Draparnaud) (Helicellidae): Military cargo	Spain, Turkey	4			La., N.Y.
<i>Helicella protea</i> Ziegler (Helicellidae): Military cargo	Turkey	1			N.Y.
<i>Helicella pyramidata</i> (Draparnaud) (Helicellidae): <i>Ficus carica</i> (fig)	Italy	1			N.Y.
Military cargo	Greece	1			La.
<i>Stipa tenacissima</i> (esparto needlegrass)	Italy	1			Mich.
<i>Vicia faba</i> (broadbean)	do	1			N.Y.
<i>Helicella striata</i> (Müller) (Helicellidae): Military cargo	Azores, France, Greece, Italy, Spain, Turkey, unknown.	18			La., N.Y., S.C., Tex., Va.
<i>Onobrychis viciaefolia</i> 'Montana' (seed)	Spain			1	D.C.
<i>Opuntia humifusa</i> (pricklypear)	Italy	1			N.Y.
<i>Rosa</i> hybrid	France	1			N.Y.
Soil with <i>Laurus nobilis</i> and unidentified plants.	Italy			4	N.Y.
<i>Stipa tenacissima</i> (esparto needlegrass)	do	1			Mich.
<i>Helicella trochoides</i> (Poiret) (Helicellidae): <i>Clematis</i> hybrid (seed)	do			1	N.J.
<i>Helicella variabilis</i> (Draparnaud) (Helicellidae): Automobile	France	1			Md.
Baggage	Italy	1			N.Y.
Cargo (with iron pipes)	Spain	1			La.
Military cargo	Spain, Turkey	5			N.Y.
<i>Mirabilis jalapa</i> (common four-o'clock) seed	France			1	Pa.
<i>Onobrychis viciaefolia</i> (sainfoin) seed	Italy			1	N.Y.
<i>Helicella virgata</i> (DaCosta) (Helicellidae): Military cargo	Spain	1			N.Y.
<i>Helicina durangoana</i> Mousson(?) (Helicinidae): Orchid (plant)	Mexico			1	Tex.
<i>Helicina neritella</i> Lamarck (Helicinidae): Orchid (plant)	Jamaica			3	Fla.
<i>Helicina oweniana</i> Pfeiffer(?) (Helicinidae): Bromeliad (plant)	Mexico			1	Tex.
<i>Helicina substriata</i> Gray (Helicinidae): Orchid (pseudobulb)	Cayman Islands			1	Fla.
<i>Helicina zephyrina</i> Duclos (Helicinidae): Bromeliad (plant)	Mexico			2	Tex.
<i>Chamaedorea elegans</i> (palm) seed	do			1	Tex.
<i>Heliothis armigera</i> (Hbn.) (Noctuidae): <i>Dianthus caryophyllus</i> (carnation)	Unknown		1		N.Y.
<i>Helix aperta</i> Born (Helicidae): <i>Beta vulgaris</i> (beet)	Italy		1		N.Y.
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Germany, Italy		2		N.Y., Tex.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	Italy		3		N.Y., S.C.
Military cargo	do	1			Va.
<i>Rosmarinus</i> sp. (rosemary)	do			1	N.Y.
<i>Helix aspersa</i> Müller (Helicidae): Automobile	France	1			Tex.
Baggage (brought as food)	Greece, Italy	3			Ill., Mass.
<i>Beta vulgaris</i> (beet)	Italy		1		Pa.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	Azores, France, Peru		4		Ala., N.Y., P.R.
<i>Castanea</i> sp. (chestnut)	Spain	1			Pa.
<i>Citrus reticulata</i> (Mandarin orange)	Azores		2		Pa.
Flowers	Haiti	1			Fla.
<i>Lactuca sativa</i> (lettuce)	Azores, France, Italy		6		N.Y.
Military cargo	Italy, Spain	2			La., Va.
Orchid (plant)	Mexico			1	Tex.
Palm	do			1	Ariz.
<i>Pelargonium</i> sp. (geranium) plant	do			1	Calif.
Stores	Algeria, Portugal, unknown.		5		Am. V.I., Fla., Mich.
<i>Helix cincta</i> Muller (Helicidae): Baggage (brought as food)	Greece	1			Mich.
<i>Helix leucorum</i> L. (Helicidae): Mail (as food)	Italy	1			N.Y.

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[An asterisk indicates State inspection]

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		Consumption	Nonentry	Propagation	
<i>Helix pomatia</i> L. (Helicidae):					
Mail (as food)-----	Austria-----	1			N.Y.
Stores-----	Algeria-----		1		Am. V.I
<i>Hemistrochus androsi</i> (Dall) (Helminthoglyptidae):					
<i>Lycopersicon esculentum</i> (tomato) plant-----	Bahamas-----			1	Fla.
Orchid (plant)-----	do-----			2	Fla.
<i>Hemistrochus streator</i> Pilsbry (Helminthoglyptidae):					
Orchid (plant)-----	Cayman Islands-----			1	Fla.
<i>Heterobostrychus aequalis</i> (Waterh.) (Bostri- chidae):					
Wood (crate)-----	Ceylon, Indonesia-----	3	1		Calif.,* Md. N.Y.
<i>Heterogenea asella</i> (Schiff.) (Limacodidae):					
<i>Castanea</i> sp. (chestnut) leaf-----	Italy-----		1		N.Y.
<i>Heterotermes convexinotatus</i> (Snyder) (Rhino- termitidae):					
<i>Manihot esculenta</i> (cassava)-----	Guatemala-----			1	Fla.
<i>Orbignya cohune</i> (cohune palm) nut-----	Mexico-----	1			Ariz.
Orchid (plant)-----	Brazil-----			1	N.Y.
<i>Pinus</i> sp. (pine) stump-----	British Honduras-----	1			La.
<i>Heterotermes maculatus</i> Light (Rhinotermitidae):					
<i>Citrullus vulgaris</i> (watermelon)-----	Mexico-----	1			Tex.
<i>Hippotion echeclus</i> (Bdv.) (Sphingidae):					
Airplane-----	Southwest Pacific-----		1		Hawaii.
<i>Hispa atra</i> L. (Chrysomelidae):					
<i>Allium porrum</i> (leek)-----	Spain-----		1		N.Y.
<i>Homothrips distinctus</i> Bagn. (Thripidae):					
<i>Protea</i> sp. (euc flowers)-----	Republic of South Africa-----	1			N.Y.
<i>Hoterodes ausonia</i> (Cram.) (Pyraustidae):					
Cargo-----	Ecuador-----	1			Fla.
<i>Hygromia cinctella</i> (Draparnaud) (Helicellidae):					
Military eargo-----	Italy-----	1			La.
<i>Mirabilis jalapa</i> (common four-o'clock) seed-----	France-----			1	Pa.
<i>Iridomyrmex iniquus</i> Mayr (Formicidae):					
Bromeliad (plant)-----	Guatemala-----			1	Tex.
<i>Cynoches</i> sp. (swanorchid)-----	do-----			1	Fla.
Orchid (plant)-----	do-----			4	Fla., Tex.
<i>Iridomyrmex pilifer</i> Mayr (Formicidae):					
Orchid (plant)-----	Colombia-----			1	N.Y.
<i>Iridothrips iridis</i> (Wats.) (Thripidae):					
<i>Iris</i> hybrid (leaf)-----	England-----			1	N.J.
<i>Jadera rufofusca</i> Barber (Coreidae):					
<i>Citrullus vulgaris</i> (watermelon)-----	Puerto Rico-----	1			P.R.
<i>Jadera sanguinolenta</i> (F.) (Coreidae):					
Orchid (plant)-----	Mexico-----			1	Fla.
<i>Jenneretia multistriata</i> (Deshayes) (Helminthoglyptidae):					
Orchid (plant)-----	Cuba-----			1	Fla.
<i>Kaloterms synderi</i> Light (Kalotermitidae):					
Military eargo-----	do-----	1			S.C.
<i>Kuwanina parva</i> (Mask.) (Coecidae):					
<i>Prunus</i> sp. (bark)-----	Japan-----	1			Wash.
<i>Lamellaxis gracilis</i> (Hutton) (Aecharinidae):					
Bromeliad (plant)-----	Peru-----			1	Fla.
Herbs (dried)-----	Cuba-----	1			Fla.
Orchid (plant)-----	Aruba, Venezuela-----			2	Fla., La.
Soil with <i>Dieffenbachia</i> sp. (plant)-----	Puerto Rico-----			1	Pa.
<i>Lamellaxis micra</i> (Orbigny) (Aecharinidae):					
Orchid (plant)-----	Mexico-----			1	Tex.
<i>Lampides boeticus</i> (L.) (Lyeaenidae):					
<i>Canavalia microcarpa</i> (mauna loa) lei-----	Hawaii-----	5	1		Calif.,* Hawaii.
<i>Pisum sativum</i> (pea)-----	Japan-----		3		Md., Wash.
<i>Sesbania grandiflora</i> (agati sesbania)-----	Hawaii-----	1			Hawaii.
<i>Largus affinis</i> Dist. (?) (Pyrrhoeridae):					
Orchid (plant)-----	British Honduras-----				Fla.

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<i>Laspeyresia araucaria</i> Pastrana (Olethreutidae):					
<i>Araucaria angustifolia</i> (Parana araucaria)-----	Argentina-----			1	D.C.
<i>A. excelsa</i> (Norfolk-Island-pine)-----	Brazil-----	1		1	N.Y.
<i>Araucaria</i> sp. (seed)-----	do-----			1	Fla.
<i>Laspeyresia nigricana</i> (Steph.) Olethreutidae:					
<i>Pisum sativum</i> (pea)-----	England, Italy-----	1	1		N.Y.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae):					
<i>Castanea sativa</i> (European chestnut)-----	Czechoslovakia, France, Greece, Italy, Portugal, Spain, unknown.	54	2	1	Md., Mass., N.J., N.Y.
“ <i>Lecanium</i> ” <i>catori</i> Green (Coccidae) (tentative):					
<i>Cola acuminata</i> (colanut)-----	Nigeria-----	1			N.Y.
<i>Lecanium corni</i> Bouche (Coccidae):					
<i>Philadelphus coronarius</i> (sweet mockorange)---	Canada-----			1	N.J.
<i>Ribes</i> sp.-----	Germany-----			1	N.J.
<i>Lecanium persicae</i> (F.) (Coccidae) (tentative):					
<i>Daphne</i> sp. (leaf)-----	Australia-----	1			Hawaii.
<i>Lecanium rufulum</i> (Ckll.) (Coccidae):					
Twig—unidentified-----	Spain-----	1			Mass.
<i>Lepidosaphes carinata</i> (Ckll.) (Coccidae):					
<i>Beaucarnea</i> sp.-----	Mexico-----			1	Tex.
<i>Lepidosaphes celtis</i> Kuw. (Coccidae):					
<i>Dracaena</i> sp.-----	Japan-----			1	Wash.
<i>Lepidosaphes conchiformoides</i> Borchs. (Coccidae):					
<i>Diospyros kaki</i> (kaki persimmon)-----	do-----	1			Hawaii.
<i>Lepidosaphes crotonis</i> (Ckll.) (Coccidae):					
<i>Malvaviscus arboreus</i> (South American wax- mallow).-----	Cuba-----			1	D.C.
<i>Lepidosaphes esakii</i> Tak. (Coccidae):					
<i>Cocos nucifera</i> (coconut)-----	Kwajalein-----	1			Hawaii.
<i>Lepidosaphes ficus</i> (Sign.) (Coccidae):					
<i>Ficus carica</i> (fig)-----	Italy-----			1	N.J.
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae):					
Cactus (plant)-----	Mexico-----			3	Tex.
<i>Cephalocereus</i> sp. (cactus) plant.-----	do-----			1	Tex.
<i>Pachycereus</i> sp. (cactus) plant.-----	do-----			1	Tex.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae):					
<i>Codiaeum variegatum</i> (croton)-----	Hawaii, Panama-----	10		4	Calif.,* Fla., Hawaii.
<i>Codiaeum</i> sp.-----	American Virgin Is- lands, Canal Zone, Hawaii, Panama.	15		6	Fla., Hawaii, N.Y.
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae):					
<i>Cymbidium</i> sp. (orchid)-----	Hong Kong-----			1	Hawaii.
<i>Lepidosaphes tubulorum</i> Ferris (Coccidae):					
<i>Mangifera indica</i> (mango)-----	Philippines-----	1			Hawaii.
<i>Leucania irregularis</i> (Wlk.) (Noctuidae):					
Airplane-----	Johnston Island-----		1		Hawaii.
<i>Leucaspis pusilla</i> Loew (Coccidae):					
<i>Pinus</i> sp. (pine) twig-----	Jordan-----	1			Mass.
Soil-----	do-----	1			Mass.
<i>Leucinodes orbonalis</i> Guen. (Pyraustidae):					
<i>Solanum melongena</i> (eggplant)-----	West Africa-----		2		Mass.
<i>Leucoptera coffeella</i> G.-M. (Lyonetiidae):					
<i>Coffea arabica</i> (Arabian coffee) leaf-----	Brazil, Mexico-----	3	1		Fla., Tex.
<i>Leucoptera scitella</i> (Zell.) (Lyonetiidae):					
<i>Malus sylvestris</i> (apple)-----	England, Italy-----		3		Fla., Md., N.C.
<i>Ligyrocoris aurivilliana</i> (Dist.) (Lygaeidae):					
<i>Agave</i> sp. (plant)-----	Mexico-----			1	Tex.
<i>Lycopersicon esculentum</i> (tomato)-----	do-----	1			Calif.
<i>Ligyrocoris nitidicollis</i> (Stal) (Lygaeidae):					
Automobile-----	Mexico-----		1		Tex.
<i>Limax flavus</i> L. (Limacidae):					
<i>Rosa</i> hybrid-----	Greece-----			1	N.Y.
<i>Limax marginatus</i> Müller (Limacidae):					
<i>Allium porrum</i> (leek)-----	Italy-----		1		N.Y.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)-----	Azores-----		1		N.Y.
Bromeliad (plant)-----	Costa Rica-----			1	Fla.
<i>Colocasia esculenta</i> (dasheen)-----	Azores-----	1			N.Y.
<i>Echinodorus</i> sp. (burhead)-----	Peru-----			1	Fla.

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<i>Limax marginatus</i> —Continued					
<i>Juniperus</i> sp. (juniper) dwarf tree	Japan			1	Hawaii.
<i>Lactuca sativa</i> (lettuce)	Azores		2		N.Y.
Orchid (plant)	Colombia, Costa Rica, Mexico.			6	Fla., Tex.
<i>Peperomia</i> sp.	Mexico			1	Tex.
<i>Limothrips consimilis</i> Priesner (Thripidae):					
<i>Stipa tenacissima</i> (esparto needlegrass)	Italy	1			Md.
<i>Limothrips denticornis</i> (Hal.) (Thripidae):					
<i>Iris variegata</i> (Hungarian iris)	Czechoslovakia			1	N.J.
Nursery stock	Netherlands			1	N.J.
Plant material (dry)	Poland	1			Ill.
<i>Liogenys macropelma</i> Bates (Scarabaeidae):					
Airplane	Panama, South America (country(?)).		3		Fla., P.R.
<i>Lixus junci</i> Boh. (Curculionidae):					
<i>Beta vulgaris</i> (beet)	United Arab Republic		1		Pa.
<i>Lobesia botrana</i> (Schiff.) (Olethreutidae):					
<i>Vitis</i> sp. (grape)	England, Italy, Lebanon.	6			N.Y.
<i>Loxostege amitina</i> (Btlr.) (Pyraustidae):					
<i>Prunus persica</i> var. <i>nectarina</i> (nectarine)	Chile	1			N.Y.
<i>Loxostege bifidalis</i> (F.) (Pyraustidae):					
<i>Brassica</i> sp. (mustard)	Mexico	1			Tex.
<i>Loxostege similalis</i> (Guen.) (Pyraustidae):					
<i>Chamaedorea elegans</i> (palm)	do	1			Tex.
<i>Lyctus africanus</i> Lesne (Lyctidae):					
Bamboo (stakes for flowers)	Japan	1			D.C.
<i>Glycyrrhiza glabra</i> (licorice) stem and root	Pakistan, Sudan	2			Calif.,* Md.
Wood (processed lumber)	India	1			N.Y.
<i>Lyctus brunneus</i> (Steph.) (Lyctidae):					
Cargo (boxes of live animals)	Colombia	1			Fla.
<i>Lygaeus cruentatus</i> Dist. (Lygaeidae):					
Cargo	Ecuador	2			Fla.
<i>Lygaeus modestus</i> Stal (Lygaeidae):					
Cargo	do	1			Fla.
<i>Lygaeus superbus</i> (Pollich) (Lygaeidae):					
Military cargo (crate)	Spain	1			Tex.
<i>Lygaeus teapensis</i> Dist. (Lygaeidae):					
Automobile	Mexico		1		Tex.
<i>Lygus lineolaris</i> (Palis.) (Miridae):					
<i>Chrysanthemum</i> sp. (cut flowers)	do	2			Ariz.
<i>Lygus rugulipennis</i> Poppius (Miridae):					
<i>Calluna vulgaris</i> (heather)	Germany			1	N.Y.
<i>Rhododendron</i> sp. (azalea)	England			1	N.J.
<i>Macrodera microptenum</i> Curtis (Lygaeidae):					
Soil with <i>Calluna vulgaris</i> (heather)	do			1	Ill.
<i>Macroscytus brunneus</i> (F.) (Pentatomidae):					
<i>Gладиолус</i> hybrid (cut flowers)	Israel	1			N.Y.
<i>Malacorhinus foveipennis</i> (Jac.) (Chrysomelidae):					
Orchid (plant)	Honduras			1	Fla.
<i>Mamestra brassicae</i> (L.) (Noctuidae):					
<i>Beta vulgaris</i> var. <i>cicla</i> (Swiss chard)	Italy		1		N.Y.
<i>Brassica chinensis</i> (Chinese cabbage)	Japan		2		N.Y.
<i>B. oleracea</i> var. <i>botrytis</i> (cauliflower)	France, Italy		2		N.Y., Tex.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	France, Italy, Netherlands.		9		N.Y.
<i>Lactuca sativa</i> (lettuce)	Germany		1		N.Y.
<i>L. sativa</i> var. <i>longifolia</i> (romaine lettuce)	France		1		N.Y.
<i>Maruca testulalis</i> (Geyer) (Pyraustidae):					
<i>Cajanus cajan</i> (pigeonpea)	Dominican Republic, Grenada, Puerto Rico.	8			Ill., N.Y., P.R.
<i>Canavalia microcarpa</i> (mauna loa)	Hawaii	12		1	Calif.,* Hawaii.
<i>Dolichos lablab</i> (hyacinth bean)	Trinidad	2			N.Y.
<i>Phaseolus vulgaris</i> cv. (string bean)	Brazil, Japan, Puerto Rico, Surinam.	14	4		Fla., N.Y., P.R., Wash.
<i>Phaseolus</i> sp.	Angola		1		N.Y.
<i>Sesbania grandiflora</i> (agati sesbania)	Hawaii	4			Hawaii.

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<i>Maruca testulalis</i> —Continued					
<i>Sesbania</i> sp. (lei)	Hawaii	1			Hawaii.
<i>Strongylodon macrobotrys</i>	Philippines	1			Hawaii.
<i>Matsumuraeses phaseoli</i> (Mats.) (Olethreutidae):					
<i>Phaseolus vulgaris</i> cv. (string bean)	Japan		3		Calif.,* Wash.
<i>Mecolaemus carvalhoi</i> (Costa Lima) (Miridae):					
Bromeliad (leaf)	Peru			1	Fla.
<i>Megacerus alternatus</i> Bridw. (Bruchidae):					
<i>Ipomoea</i> sp. (?) (morningglory) seed	Hawaii			1	Calif.*
<i>Megachile concinna</i> Sm. (Megachilidae):					
Airplane	Dominican Republic		4		Fla., P.R.
<i>Megacyllene spinifera</i> (Newm.) (Cerambycidae):					
Logs—unidentified	Argentina	1			N.Y.
<i>Megalotomus rufipes</i> (Westw.) (Coreidae):					
Quarters (ship)	Puerto Rico(?)		1		Ala.
<i>Megasoma elephas</i> (F.) (Scarabaeidae):					
Cargo	Peru(?)	1			Fla.
<i>Megastigmus pistaciae</i> Wlk. (Torymidae):					
<i>Pistacia</i> sp. (pistache) nut	Afghanistan	1			N.Y.
<i>Megastigmus strobilobius</i> Ratz. (Torymidae):					
<i>Picea glauca</i> (white spruce) seed	Denmark			1	N.J.
<i>Megastigmus suspectus</i> Borries (Torymidae):					
<i>Abies</i> sp. (fir)	Turkey			1	D.C.
<i>Melanaethus planifrons</i> Froeschner (Pentatomidae):					
<i>Cucumis melo</i> (muskmelon)	Mexico	1			Ariz.
<i>Melolontha melolontha</i> (L.) (Scarabaeidae):					
Airplane	France, Switzerland		5		Alaska, N.Y.
<i>Membracis mexicana</i> Guerin (Membracidae):					
Cargo	Costa Rica	1			Fla.
<i>Fragaria</i> sp. (strawberry)	Mexico	1			N.Y.
<i>Mesapamea secalis</i> (L.) (?) (Noctuidae):					
Airplane	Ireland		1		Mass.
<i>Mesovelia orientalis</i> Kirkaldy (Mesoveliidae):					
Airplane	Philippines(?)		1		Hawaii.
<i>Metamasius hemipterus sericeus</i> (Ol.) (Curculionidae):					
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)	Ecuador	27			Ala., Fla., La., N.Y., Tex.
<i>Metopoplax ditomoides</i> (Costa) (Lygaeidae):					
Gramineae (stem)	Morocco	1			N.J.
<i>Micrarionta stearnsiana</i> (Gabb) (Helminthoglyptidae):					
<i>Dudleya</i> sp.	Mexico			1	Calif.
" <i>Microporus</i> " <i>nigritus</i> (F.) (Pentatomidae):					
<i>Fragaria</i> sp. (strawberry) plant	France			1	N.Y.
<i>Milax gagates</i> (Draparnaud) (Limacidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Netherlands		1		Pa.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	Azores, England		2		N.Y.
<i>Mimosestes sallaei</i> (Sharp) (Bruchidae):					
<i>Caesalpinia coriaria</i> (divi-divi) pod	Dominican Republic, Haiti.	2			Md.
<i>Minthea rugicollis</i> (Wlk.) (Lyctidae):					
Bamboo (slat)	India	1			Md.
Wood—unidentified (cage and crates)	Ceylon, Colombia, India.	4			Calif.,* Fla., Md., Mass.
<i>Monacha cantiana</i> (Montagu) (Helicellidae):					
Plants—unidentified	Germany			1	N.J.
<i>Monacha carthusiana</i> (Müller) (Helicellidae):					
<i>Onobrychis viciaefolia</i> (sainfoin) seed	Italy			1	N.Y.
<i>Monacha olivieri</i> (Fer.) (Helicellidae):					
Military cargo (conex box)	Turkey	2			N.Y.
<i>Monanthia monotropidia</i> Stal (Tingidae):					
Bromeliad	Mexico			1	Tex.
<i>Monomorium destructor</i> (Jerd.) (Formicidae):					
<i>Alpinia purpurata</i>	American Samoa	1			Hawaii.
Food	Bahamas, Hong Kong, Phillipines.	3			Fla., Ga.
Mail package (woven basket)	Hawaii	1			Hawaii.
Orchid (flower and plants)	Ecuador, Federation of Malaya, India.	1		2	Fla., Mich., N.Y.
<i>Tulipa</i> hybrid (bulb)	Japan			1	N.Y.

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<i>Monophadnoides alternipes</i> (Klug) (Tenthredinidae): Plant—unidentified	Netherlands			1	N.Y.
<i>Moodna bisinuella</i> Hamp. (Phyeitidae): <i>Zea mays</i> (corn)	Mexico	1			Tex.
<i>Morganella longispina</i> (Morg.) (Coccidae): <i>Citrus aurantifolia</i> (sour lime)	Tahiti		3		Calif.*
<i>C. grandis</i> (pummelo)	do		1		Calif.*
<i>C. paradisi</i> (grapefruit)	do	3	1		Calif.*
<i>C. sinensis</i> (sweet orange)	Fiji, Japan, Tahiti		4		Calif.*
<i>Orania aruensis</i> (palm)	Indonesia			1	D.C.
<i>Mormidea pictiventris</i> Stal (Pentatomidae): Orchid (plant)	British Honduras, Mexico.			5	Fla., Tex.
<i>Mumetopia nigrimana</i> Coq. (Anthomyzidae): Airplane	Nicaragua		1		P.R.
<i>Myodocha longicollis</i> Stal (Lygaeidae): Orchid (plant)	Mexico			1	Tex.
<i>Myzaphis turanica</i> Nevsky (Aphidae): <i>Rosa</i> hybrid (cut flowers)	Israel	1			N.Y.
<i>Myzus ascalonicus</i> Donc. (Aphidae): <i>Allium cepa</i> (onion)	England			1	N.Y.
<i>Allium</i> sp.	Netherlands			1	N.J.
<i>Anemone</i> sp. (cut flowers)	France, Germany	2			N.Y.
<i>Rosa</i> hybrid (cut flowers)	Netherlands	1			N.Y.
<i>Viola</i> sp. (violet) cut flowers	Germany	1			Calif.*
<i>Nanaguna breviscula</i> Wlk. (Noetuidae): Airplane	Philippines(?)		1		Hawaii.
<i>Nasutitermes corniger</i> (Motsch.) (Termitidae): <i>Dalbergia</i> sp. (rosewood) log	Brazil	1			La.
Orchid (plant)	Canal Zone, Honduras.			2	Fla.
<i>Nasutitermes dendrophilus</i> (Desn.) (Termitidae): <i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)	Ecuador	1			Fla.
<i>Nasutitermes ephratae</i> (Holmgr.) (Termitidae): Bromeliad	Canal Zone			1	Fla.
Debris	Panama	1			Md.
Orchid (plant)	Honduras			1	Fla.
<i>Yucca</i> sp.	Dominican Republic	1			N.Y.
<i>Nasutitermes exitiosus</i> (Hill) (Termitidae): Food (for bird)	Australia	1			Hawaii.
<i>Nasutitermes mexicanus</i> Light (Termitidae): Cargo (with cactus plant)	Mexico			1	Ariz.
<i>Nasutitermes nigriceps</i> (Hald.) (Termitidae): Bromeliad (plant)	Jamaica			1	Fla.
Orchid (plant)	British Honduras			3	Fla.
<i>Nasutitermes rippertii</i> (Rambur) (Termitidae): Baggage	Bahamas	1			Bahamas.
Orchid (plant)	do			1	Fla.
<i>Neodoxoplatys saileri</i> Kormilev (Pentatomidae): Bamboo (log)	Mexico	1			Tex.
<i>Neoclytus acuminatus</i> (F.) (Cerambycidae): <i>Ananas comosus</i> (pineapple)	do	1			Tex.
Cargo (with pottery)	do	1			Tex.
<i>Neocyclotus dysoni cookei</i> (Bartsch & Morrison) (Cyclophoridae): Palm	Guatemala			1	Tex.
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae): <i>Lycopersicon esculentum</i> (tomato)	Mexico	24			Tex.
<i>Solanum melongena</i> (eggplant)	Brazil	1			Fla.
<i>S.quitoense</i> (naranjilla)	Colombia	1			Fla.
<i>Neolobophora inopinata</i> (Burr) (Forficulidae): Orchid (plant)	Guatemala			1	Fla.
<i>Nephotettix apicalis</i> (Motsch.) (Cicadellidae): Airplane	Philippines(?), unknown.		3		Hawaii.
<i>Nesoecia nigrispina</i> (Stal) (Tettigoniidae): Orchid (plant)	British Honduras			1	Fla.
<i>Nipponaclerda biwakoensis</i> (Kuw.) (Coccidae): <i>Phragmites communis</i> (common reed) stem	Japan	2			Calif.,* Hawaii.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Nomophila noctuella</i> (D. & S.) (Pyraustidae): Airplane	Unknown, Venezuela		2		Hawaii, P.R.
<i>Nothorhina muricata</i> (Dalm.) (Cerambycidae): Wood (crate of marble)	Portugal	1			Calif.*
<i>Nysius coenosulus</i> Stal (Lygaeidae): Airplane	Hawaii		1		Hawaii.
<i>Gardenia jasminoides</i> (lei)	do	1			Hawaii.
<i>Nysius kingbergi</i> Usinger (Lygaeidae): Vanda 'Miss Joachim' (orchid) flower	do	1			Hawaii.
<i>Nysius tenellus</i> Barber (Lygaeidae): Chrysanthemum sp. (cut flowers)	Mexico	2			Ariz., Tex.
<i>Ochterus marginatus</i> (Latr.) (Ochteridae): Fish meal (residue)	Republic of South Africa		1		Fla.
<i>Odonaspis saccharicaulis</i> (Zehnt.) (Coccidae): Bulb—unidentified	Cuba			1	Fla.
<i>Oecchia schellenbergi</i> (Guerin) (Pentatomidae): Airplane	Japan(?)		1		Hawaii.
<i>Ofatulena duodecimstriata</i> (Wlsm.) (Olethreutidae): Prosopis glandulosa (honey mesquite) pod	Mexico	1			Tex.
<i>Ogdoecosta guttifera</i> Boh. (Chrysomelidae): Orchid (plant)	Bahamas			1	Fla.
<i>Oligonychus perditus</i> P. & B. (Tetranychidae): Juniperus sp. (juniper) dwarf tree	Japan			2	Wash.
<i>Onthophagus taurus</i> (Schr.) (Scarabaeidae): Automobile	Azores	1			S.C.
<i>Opeas pyrgula</i> Schmacker & Boettger (Achatinidae): Orchid (plant)	British Honduras			1	Tex.
<i>Opisthograptis luteolata</i> (L.) (Gcometridae): Sorbus sp. (mountainash) berry	Scotland	1			N.Y.
<i>Oplomus nigripennis pulcher</i> Dallas (Pentatomidae): Bromeliad (plant)	Mexico			1	Fla.
<i>Opogona sacchari</i> (Bojer) (Tineidae): Musa paradisiaca (plantain banana)	Unknown	1			N.Y.
<i>M. paradisiaca</i> var. <i>sapientum</i> (banana)	Azores, unknown	1	1		Calif.,* Mass.
Orchid (leaf of plant)	East Africa			1	N.Y.
<i>Saccharum officinarum</i> (sugarcane)	Cape Verde Islands	1			N.Y.
<i>Opuntiaspis philococcus</i> (Ckll.) (Coccidae): Myrtillocactus geometrizans (cactus)	Mexico			1	Tex.
<i>Orthalicus boucardi</i> (Pfeiffer) (Bulimulidae): Bromeliad (plant)	do			1	Tex.
<i>Orthalicus decolor</i> (Strebel) (Bulimulidae): Orchid (pseudobulb)	Guatemala			1	Fla.
<i>Orthalicus obductus</i> (Shuttleworth) (Bulimulidae): Musa paradisiaca var. <i>sapientum</i> (banana)	Honduras	2			Md., S.C.
<i>Orthalicus pulchellus protoglyptus</i> (Pilsbry) (Bulimulidae): Orchid (plant)	Venezuela			1	Fla.
<i>Orthalicus undatus</i> (Bruguere) (Bulimulidae): Brassavola sp. (orchid) plant	Jamaica			1	Fla.
<i>Epidendrum</i> sp. (orchid) plant	Canal Zone			1	Fla.
Orchid (plant)	Jamaica			1	Fla.
<i>Orthalicus undatus jamaicensis</i> (Pilsbry) (Bulimulidae): Baggage (specimen for science class)	do	1			Fla.
<i>Orthezia pseudinsignis</i> Morr. (Coccidae): Gardenia sp. (cut flowers)	Mexico	1			Ill.
<i>Ortholomus jamaicensis</i> (Dallas) (Lygacidae): Airplane	Antigua		1		P.R.
<i>Orthops kalmi</i> (L.) (Miridae): Nursery stock	Netherlands			1	N.J.
<i>Orthotylus ericetorum</i> (Fall.) (Miridae): Calluna vulgaris (heather)	England	1			N.Y.
<i>Ostrinia nubilalis</i> (Hbn.) (Pyraustidae): Airplane	Unknown		1		Hawaii.
<i>Capsicum annuum</i> (pepper)	Italy	1			N.Y.
<i>Chrysanthemum morifolium</i> (cut flowers)	Japan	1			Hawaii.
<i>Malus sylvestris</i> (apple)	Japan, Yugoslavia	1	1		Mich., N.Y.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Ostrinia nubilalis</i> —Continued					
<i>Phaseolus vulgaris</i> cv. (string bean)	Japan		2		Wash.
<i>Sorghum vulgare</i> var. <i>technicum</i> (broomcorn)	Italy	2	1		Md., Wis.
<i>Zea mays</i> (corn)	Italy, Japan	1	2	1	Calif.,* Md., N.Y., Wash.
<i>Otala lactea</i> (Müller) (Helicidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	Italy		1		N.Y.
Cargo (for food)	Morocco	1			N.Y.
Military cargo	France, Morocco	2			N.Y., Va.
Quarters (ship)	Morocco		1		Pa.
<i>Otala vermiculata</i> (Müller) (Helicidae):					
Baggage (brought as food)	Greece, Italy	4			Calif.,* Mass., Mich.
<i>Lilium longiflorum</i> (Easter lily)					
Military cargo	Bermuda	1			N.Y.
	Italy, Libya, Spain, Turkey.	6			La., N.Y.
<i>Otosema odorata</i> (L.) (Noctuidae):					
Quarters	Unknown		1		Fla.
<i>Oulema gallaeciana</i> (Heyd.) (Chrysomelidae):					
Flowers	Poland	1			N.Y.
<i>Oulema melanopa</i> (L.) (Chrysomelidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	Italy		1		N.Y.
<i>Ovatus crataegarius</i> (Wlk.) (Aphidae):					
Soil with various plants	France		1		Mass.
<i>Oxycarenus hyalinipennis</i> (Costa) (Lygaeidae):					
<i>Gossypium barbadense</i> (Sea Island cotton)	Bolivia			1	D.C.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee)	Republic of South Africa.	1			N.Y.
<i>Punica granatum</i> (pomegranate)	Israel	1			N.Y.
<i>Orychilus alliarius</i> (Müller) (Zonitidae):					
<i>Colocasia esculenta</i> (dasheen)	Azores	1			N.Y.
<i>Ozophora consanguineus</i> (Dist.) (Lygaeidae):					
<i>Agave</i> sp. (plant)	Mexico			1	Tex.
Automobile	do		1		Tex.
<i>Tillandsia</i> sp.	do			1	Tex.
<i>Ozophora quinque maculata</i> Barber (Lygaeidae):					
<i>Colocasia antiquorum</i>	Dominican Republic		1		Am. V.I.
<i>Pachybrachius albocinctus</i> Barber (Lygaeidae):					
<i>Benincasa hispida</i> (Chinese waxgourd)	Mexico	1			Ariz.
Bromeliad (plant)	Peru			1	Fla.
Cargo	Costa Rica	1			Ala.
<i>Pachybrachius intermedius</i> Barber (Lygaeidae):					
Orchid (plant)	Cayman Islands			1	Fla.
<i>Pachybrachius nietneri</i> (Dohrn) (Lygaeidae):					
Airplane	Thailand		1		Hawaii.
<i>Pagiocerus fiorii</i> (Eggers) (Scolytidae):					
<i>Zea mays</i> (corn)	Ecuador			1	Ill.
<i>Pagyda salvalis</i> (Wlk.) (Pyraustidae):					
Airplane	Unknown		1		Hawaii.
<i>Palpita unionalis</i> (Hbn.) (Pyraustidae):					
<i>Jasminum</i> sp. (cut flowers)	France	1			N.Y.
<i>Papillifera cinera</i> (Philippi) (Clausiliidae):					
<i>Rosa</i> hybrid	Italy			1	N.Y.
<i>Papillifera papillaris</i> (Draparnaud) (Clausiliidae):					
Soil	do	1			N.Y.
<i>Paragonatas divergens</i> (Dist.) (Lygaeidae):					
Airplane	Panama		1		Fla.
<i>Citrus aurantifolia</i> (lime)	Mexico	1			Tex.
<i>Paraponyx fluctuosalis</i> (Zell.) (Pyraustidae):					
Airplane	Japan(?), Philip- pines(?).		3		Hawaii.
<i>Parisoschoenus flavolimbatus</i> Champ. (Curculionidae):					
<i>Chamaedorea oblongata</i> (palm) stem	Mexico	1			Tex.
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Brazil, Mexico		3		Calif.*
<i>C. grandis</i> (pummelo)	Japan		1		Calif.*
<i>C. limon</i> (lemon)	Brazil, Trinidad		3		Calif.*
<i>C. paradisi</i> (grapefruit)	Argentina, Brazil		3		Calif.*



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<i>Parlatoria cinerea</i> Hadden—Continued					
<i>C. reticulata</i> (Mandarin orange)-----	Brazil-----		1		Calif.*
<i>C. sinensis</i> (sweet orange)-----	Argentina, Brazil, Mexico, unknown. Philippines-----	4	28		Calif.,* Mich.
<i>Jasminum</i> sp. (leaf of plant)-----	Philippines-----			1	Calif.*
<i>Parlatoria citri</i> McKenzie (Coccidae):					
<i>Citrus limon</i> (lemon)-----	Japan-----		1		Pa.
<i>C. reticulata</i> (Mandarin orange)-----	Phillipines, Vietnam-----	2			Hawaii.
<i>C. sinensis</i> (sweet orange)-----	Philippines, Thailand-----	1	1		Hawaii.
<i>Parlatoria crotonis</i> Dougl. (Coccidae):					
<i>Codiaeum variegatum</i> (croton)-----	American Virgin Islands, French Polynesia, Hawaii, Panama-----	2		3	Fla., Hawaii, N.Y.
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	Hawaii, Philippines, Thailand-----	2	1		Calif.,* Hawaii.
<i>C. grandis</i> (pummelo)-----	Hong Kong-----	1			Hawaii.
<i>C. limon</i> (lemon)-----	Hong Kong, Italy, Japan, Philippines, Republic of the Congo, unknown-----	3	5		Calif.,* Hawaii, N.C., Pa.
<i>C. paradisi</i> (grapefruit)-----	Algeria, China, Formosa, Japan, Philippines-----	1	4		Calif.,* Hawaii, P.R.
<i>C. reticulata</i> (Mandarin orange)-----	Formosa, Japan, Philippines, Thailand-----	5	3		Hawaii, Wash.
<i>C. sinensis</i> (sweet orange)-----	Algeria, British Guiana, Formosa, France, Guam, Hong Kong, Iran, Japan, Okinawa, Philippines, Thai- land, Tunisia, unknown-----	9	19		Calif.,* Fla., Hawaii, N.J., N.Y.
<i>Citrus</i> sp. (leaf)-----	Philippines, Thailand-----	2			Hawaii.
<i>Paroecanthus annulatus</i> (Scudd.) (Gryllidae):					
Orchid (plant)-----	Honduras-----			1	Fla.
<i>Paulinia acuminata</i> (DeG.) (Acrididae):					
Aquatic plant-----	Peru-----			1	Fla.
<i>Pealius hibisci</i> (Kot.) (Aleyrodidae):					
<i>Gardenia jasminoides</i> (leaf)-----	Hawaii-----	1			Calif.*
<i>Pectinophora gossypiella</i> (Saund.) (Gelechiidae):					
<i>Gossypium barbadense</i> (Sea Island cotton; boll)-----	do-----	1			Hawaii.
<i>G. hirsutum</i> (Upland cotton; seed)-----	Mexico-----		1		Tex.
<i>Gossypium</i> sp. (cotton; bale)-----	Puerto Rico-----	1			Fla.
<i>Gossypium</i> sp. (cotton; boll)-----	Antigua, Bermuda, Cayman Islands, Cuba, Hawaii, Mexico, Turkey-----	13	1	1	Del., Fla., Hawaii, Md., N.Y., Pa., Tex.
<i>Gossypium</i> sp. (cotton; lint)-----	Mexico-----		1		Tex.
<i>Gossypium</i> sp. (cottonseed)-----	India, Mexico, Paki- stan, Thailand-----	14	2		N.Y., S.C., Tex.
<i>Gossypium</i> sp. (seed cotton)-----	Mexico, Pakistan-----		1	2	Tex.
<i>Hibiscus esculentus</i> (okra) pod-----	Barbados, Dominican Republic, Haiti, Jamaica-----	14	7		Fla., N.Y., Pa., P.R.
<i>Penichroa fasciata</i> Steph. (Cerambycidae):					
Debris-----	Syria-----		1		Md.
<i>Pentalonia nigronervosa</i> Coq. (Aphidae):					
<i>Alpinia mutica</i> (Malay galangal)-----	Hawaii-----	1			Hawaii.
<i>A. purpurata</i> (cut flowers)-----	Guam, Hawaii, Tahiti-----	19	3		Calif.,* Hawaii.
<i>Colocasia antiquorum</i> (taro)-----	Hawaii-----		1		Hawaii.
Flowers-----	Dominican Republic, Honduras-----	1	1		Fla., La.
<i>Isotoma longiflora</i> -----	Hawaii-----	1			Hawaii.
<i>Musa</i> sp-----	American Samoa-----	1			Hawaii.
Plant—unidentified-----	Japan-----			1	Hawaii.
<i>Strongylodon macrobctrys</i> -----	Philippines-----	1			Hawaii.

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<i>Pentamerismus oregonensis</i> McG. (Tenuipalpidae):					
<i>Juniperus chinensis</i> (pyramid Chinese juniper)	Japan			1	Wash.
<i>Peritrechus nubilus</i> (Fallen) (Lygaeidae):					
Fruit	Unknown		1		N. Y.
<i>Petroselinum crispum</i> (parsley)	do		1		N. Y.
<i>Peritrechus sylvestris</i> (F.) (Lygaeidae):					
<i>Fragaria</i> sp. (strawberry) plant	France			1	N. Y.
<i>Petrova cristata</i> (Wlsh.) (Olethreutidae):					
<i>Pinus thunbergii</i> (Japanese black pine) cone	Japan		1		Pa.
<i>Phalacropterix apiformis</i> (Rossi) (Psychidae):					
Military cargo (conex box)	Italy	1			Va.
<i>Pheidole megacephala</i> (F.) (Formicidae):					
Airplane	Antigua		1		P. R.
<i>Alpinia purpurata</i>	Hawaii, unknown	1	1		Hawaii, N. Y.
<i>Anthurium</i> sp.	Hawaii	1			Hawaii.
<i>Citrus aurantifolia</i> (lime)	Brazil		1		Hawaii.
<i>Cocos nucifera</i> (coconut)	Hawaii	1			Calif.*
<i>Colocasia</i> sp. (tuber)	American Samoa	1			Hawaii.
<i>Dracaena fragrans</i> 'Massange'	Puerto Rico			1	N. Y.
Fern	Japan		1		Hawaii.
<i>Ficus benghalensis</i> (banyan fig)	Hawaii			1	Hawaii.
Flowers	do	2			Hawaii.
Food	do	2			Hawaii.
Leaf—unidentified	Cuba	1			N. Y.
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)	Bermuda	1			Bermuda.
Orchid	British Honduras, Honduras.			3	Fla., La.
Palm	American Samoa	1		1	Hawaii.
Plants—unidentified	do			1	Hawaii.
<i>Samanea saman</i> (raintree saman)	Fiji	3			Hawaii.
Soil	do	1			Hawaii.
<i>Strelitzia</i> sp.	Hawaii	1			Hawaii.
<i>Strongylodon</i> sp. (cut flowers)	do	1			Hawaii.
<i>Phenacoccus rotundus</i> Kanda (Coccidae) (tentative):					
<i>Rhododendron austrokiusianum</i>	Japan			1	D. C.
<i>Philaenus leucophthalmus</i> (L.) (Cercopidae):					
<i>Fragaria</i> sp. (strawberry) plant	France			1	N. Y.
<i>Philia febrilis</i> (L.) (Bibionidae):					
<i>Tulipa</i> hybrid (tulip) cut flowers	Netherlands	1			N. Y.
<i>Phloeotribus scarabaeoides</i> (Bern.) (Scolytidae):					
<i>Olea europaea</i> (olive) wood	Lebanon	1			N. Y.
<i>Phytomyza rufipes</i> Meig. (Agromyzidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	England		1		Ga.
<i>Raphanus sativus</i> (radish)	Denmark, unknown		10		N. Y.
<i>Pieris brassicae</i> (L.) (Pieridae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Germany, Italy		2		Fla., N. Y.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	Azores, Belgium, Italy.		11		N. Y., Pa.
Military cargo	Italy	1			La.
<i>Pinnaspis buxi</i> (Bouché) (Coccidae):					
<i>Cordyline terminalis</i> (ti)	Hawaii, Panama	22		1	Fla., Hawaii.
<i>Cordyline</i> sp.	Hawaii, unknown	2	1	1	N. Y., Hawaii.
<i>Dracaena</i> sp.	Panama	11			Fla.
<i>Neomoorea</i> sp. (orchid) leaf	Canal Zone			2	Fla.
Orchid (leaf)	Thailand			1	Fla.
<i>Spathiphyllum</i> sp. (leaf)	Hawaii			1	Hawaii.
<i>Pinnaspis uniloba</i> (Kuw.) (Coccidae):					
<i>Alyxia olivaeformis</i> (maile alyxia) leaf	do	1			Calif.*
<i>Pityogenes chalcographus</i> (L.) (Scolytidae):					
Bark (on wooden crate)	Germany, Sweden	2			Wis.
<i>Plagioderia punctigera</i> Stal (Chrysomelidae):					
Bromeliad	Mexico			1	Tex.
<i>Plagionotus arcuatus</i> (L.) (Cerambycidae):					
Dunnage	Unknown		1		Mich.
<i>Planococcus dorsospinosus</i> Ezzat & McConnell (Coccidae):					
<i>Litchi chinensis</i> (lychee)	China	1			Wash.
<i>Platoeceticus symmicta</i> Dyar (Psychidae):					
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)	Ecuador, Guatemala	2			La., S. C.

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<i>Platynota rostrana</i> (Wlk.) (Tortricidae):					
<i>Capsicum annuum</i> var. <i>grossum</i> (bell pepper)	Puerto Rico	2			P.R.
<i>Physalis</i> sp. (husk tomato)	Mexico	1			Tex.
<i>Pleurothallis</i> sp. (orchid)	Haiti			1	Fla.
<i>Zizyphus</i> sp. (jujube)	Mexico	1			Tex.
<i>Platypus rugulosus</i> Chap. (Platypodidae):					
Bamboo (log)	do	1			Tex.
<i>Plecia plagiata</i> Wied. (Bibionidae):					
<i>Lycopersicon esculentum</i> (tomato)	do	1			Ariz.
<i>Plinthisus brevipennis</i> (Latr.) (Lygaeidae):					
<i>Petroselinum crispum</i> (parsley)	Azores		1		N.Y.
<i>Plinthisus putoni</i> Horvath (Lygaeidae):					
Moss (packing material)	Italy	1			N.Y.
<i>Plusia chalcites</i> (Esp.) (Noctuidae):					
Vanda 'Miss Joachim' (orchid) flower	Hawaii	2			Hawaii.
<i>Poecilozonites bermudensis</i> (Pfeiffer) (?) (Zonitidae):					
Soil with <i>Persea americana</i> (avocado) seedling	Bermuda			1	N.Y.
<i>Poecilozonites circumfirmatus</i> (Redfield) (Zonitidae):					
<i>Lactuca sativa</i> (lettuce)	Unknown		1		N.Y.
<i>Nerium oleander</i> (oleander)	Bermuda			1	Bermuda.
Soil with <i>Persea americana</i> (avocado) seedling	do			1	N.Y.
Soil with unidentified plants	do			1	N.Y.
<i>Polygyra bahamensis</i> Vanatta (Polygyridae):					
Orchid (plant)	Bahamas			1	Fla.
<i>Polygyra matermontana</i> Pilsbry (Polygyridae):					
<i>Musa</i> sp. (banana)	Mexico	1			Ariz.
<i>Polygyra richardsoni</i> (Martens) (Polygyridae):					
Cactus (plant)	do			1	Tex.
<i>Porphyrobaphe iostoma</i> (Sowerby) (Bulimulidae):					
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)	Ecuador	2			Calif.,* N.Y.
<i>Potosaiopaca</i> (Fab.) (Scarabaeidae):					
Debris	Unknown		1		Mich.
<i>Praticolella ampla</i> (Pfeiffer) (Polygyridae):					
Orchid (plant)	Mexico			1	Tex.
<i>Prays oleellus</i> (F.) (Hyponomeutidae):					
<i>Olea europaea</i> (olive)	Italy, Lebanon, Syria	5			N.Y., Ohio, Pa.
<i>Prodenia litura</i> (F.) (Noctuidae):					
Airplane	West Pacific		1		Hawaii.
<i>Capsicum annuum</i> (pepper)	Israel		1		N.Y.
Flowers	Formosa		2		Wash.
<i>Gladiolus</i> hybrid (cut flowers)	Japan	1			Hawaii.
<i>Protopulvinaria longivalvata</i> Green (Coccidae):					
<i>Gardenia jasminoides</i> (cut flowers)	Costa Rica, Tahiti	2			Fla., Hawaii
<i>Peperomia</i> sp. (plant)	Jamaica			1	Fla.
<i>Protopulvinaria pyriformis</i> (Ckll.) (Coccidae):					
<i>Bauhinia variegata</i> (Buddist bauhinia)	Bahamas		1		Fla.
<i>Gardenia jasminoides</i> (leaf)	Bahamas, Cuba, El Salvador	4		1	Bahamas, Calif.,* Fla., La.
<i>Pseudaonidia trilobitiformis</i> (Green) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Argentina, Brazil	1	5		Calif.*
<i>C. limon</i> (lemon)	Brazil, Philippines, Tahiti	1	4		Calif.,* Hawaii.
<i>C. paradisi</i> (grapefruit)	Philippines	1			Hawaii.
<i>Mangifera indica</i> (mango)	Brazil, Venezuela	1	1		Fla.
<i>Pseudischnaspis alienus</i> (Newst.) (Coccidae):					
Orchid (pseudobulb and plants)	British Honduras, Canal Zone, Costa Rica, El Salvador, Mexico, Panama.			7	Ariz., Fla., Wash.
<i>Pseudischnaspis bowreyi</i> (Ckll.) (Coccidae):					
<i>Ficus elastica</i> (Indiarubber fig) leaf	Mexico			1	Tex.
Orchid (leaf)	Peru			1	Fla.
<i>Pseudischnaspis longissima</i> (Ckll.) (Coccidae):					
<i>Mangifera indica</i> (mango)	El Salvador, unknown.	1	2		Calif.*
<i>Pseudococcus boninsis</i> (Kuw.) (Coccidae):					
<i>Cordyline terminalis</i> (ti) cutting	Unknown			1	Wash.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
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<i>Pseudococcus citriculus</i> Green (Coccidae): <i>Citrus sinensis</i> (sweet orange)	Japan		1		Hawaii.
<i>Pseudococcus ferrisi</i> (Ezzat & McConnell) (Coccidae): <i>Gardenia</i> sp. (leaf)	Mexico			1	Calif.
<i>Pseudococcus gahani</i> Green (Coccidae): <i>Citrus limon</i> (lemon)	Chile		1		Fla.
<i>C. sinensis</i> (sweet orange)	France	1			N.Y.
<i>Pseudococcus lilacinus</i> Ckll. (Coccidae): <i>Psidium guajava</i> (guava)	Philippines	1			Hawaii.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae): <i>Cocos nucifera</i> (coconut)	Guam, Hawaii	11		4	Calif.,* Hawaii, Tex.
<i>Pseudodiaspis yuccae</i> (Ckll.) (Coccidae): <i>Nolina palermi</i>	Mexico			1	Calif.
<i>Yucca</i> sp.	do			1	Calif.
<i>Pseudoparlatoria ostreata</i> Ckll. (Coccidae): <i>Oncidium</i> sp. (orchid) leaf	Costa Rica			1	Fla.
Orchid (leaf)	Bolivia			1	Fla.
<i>Pelargonium</i> sp. (geranium) stem	Guatemala			1	Calif.*
<i>Pseudoparlatoria turgida</i> Ferris (Coccidae): Bromeliad (leaf)	Brazil			1	Fla.
<i>Pseudophasma cyllarus</i> (Westw.) (Phasmatidae): Orchid (plant)	Jamaica			1	Fla.
<i>Psylla melanoneura</i> Focrst.(?) (Psyllidae): <i>Crataegus</i> sp. (hawthorn) leaf	France	1			N.Y.
<i>Psylla pyri</i> (L.) (Psyllidae): <i>Mentha</i> sp. (mint) leaf	Italy	1			N.Y.
<i>Pulvinaria psidii</i> Mask. (Coccidae): <i>Alpinia purpurata</i>	Hawaii	32			Hawaii.
<i>Anthurium</i> sp.	do			1	Hawaii.
<i>Carissa grandiflora</i> (Natal-plum carissa)	Mexico			1	Tex.
<i>Clusia rosea</i> (copey clusia)	Hawaii	1			Hawaii.
<i>Gardenia jasminoides</i> (leaf)	do	6			Calif.,* Hawaii.
<i>Ixora chinensis</i>	Fiji	1			Hawaii.
<i>Lagerstroemia</i> sp. (crapemyrtle)	Indonesia			1	Hawaii.
<i>Litchi chinensis</i> (lychee) twig and fruit	Unknown	1			Wash.
<i>Puto mexicanus</i> (Ckll.) (Coccidae): <i>Epidendrum</i> sp. (orchid)	Mexico			1	Tex.
Orchid (plant)	do			1	Tex.
<i>Puto ulter</i> Ferris (Coccidae): <i>Cattleya bowringiana</i> (orchid)	Guatemala			1	Tex.
Orchid (plant)	do			1	Fla.
<i>Pyrgocorypha sallei</i> Sauss. (Tettigoniidae): Automobile	Mexico	1			Ariz.
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)	do	1			Tex.
<i>Pyrrhodium sanguineum</i> (L.) (Cerambycidae): <i>Apium graveolens</i> (celery) seed	Unknown	1			N.C.
<i>Pyrrhocoris apterus</i> (L.) (Pyrrhocoridae): Straw (jacket for liquor bottle)	Greece		1		Tex.
<i>Radiodiscus proameri</i> H. B. Baker (Endodontidae): Orchid (plant)	Mexico			1	Tex.
Soil with unidentified plant	do			1	Tex.
<i>Reticulitermes flavipes</i> (Koll.) (Rhinotermitidae): <i>Ananas comosus</i> (pineapple)	do	1			Tex.
Automobile	do		1		Tex.
Cactus	do			1	Tex.
Orchid (plant)	do			1	Tex.
Railway car	do		1		Tex.
<i>Retinella hammonis</i> (Ström.) (Zonitidae): Plants—unidentified	Germany			1	N.J.
<i>Rubus</i> sp.	France		1		Mass.
<i>Rhagoletis cerasi</i> (L.) (Tephritidae): <i>Prunus</i> sp. (cherry)	Czechoslovakia, France, Germany, Italy, Spain, unknown.	6	22		N.Y., P.R., Tex.
<i>Rhaphigaster nebulosa</i> (Poda) (Pentatomidae): Baggage	Italy	1			Mass.

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<i>Rhinocola ericae</i> (Curt.) (Psyllidae): <i>Calluna vulgaris</i> (heather)-----	England, Germany, Ireland, Scotland.	2		2	N. Y., Wash.
<i>Rhipiphorothrips pulchellus</i> Morgan (Thripidae): <i>Theobroma cacao</i> (cacao) leaf-----	Philippines-----	1			Wash.
<i>Rhophobota naevana</i> (Hbn.) (Olethreutidae): <i>Ilex sugeroki</i> (sugeroki holly)-----	Japan-----			1	D. C.
<i>Rhyacionia buoliana</i> (Schiff.) (Olethreutidae): <i>Pinus</i> sp. (pine)-----	Brazil-----		1		Ala.
<i>Rhynchaenus populi</i> (F.) (Curculionidae): <i>Syringa</i> sp. (lilac) cut flowers-----	Netherlands-----	1			N. Y.
<i>Rhynchophorus palmarum</i> (L.) (Curculionidae): Cargo-----	Ecuador-----	1			La.
<i>Rhyparochromus immaculatus</i> (Rey) (Lygaeidae): <i>Fragaria</i> sp. (strawberry) leaf of plant-----	France-----			1	N. Y.
<i>Roucasia ovata</i> Goux. (Aleyrodidae): <i>Hedera</i> sp. (ivy)-----	Italy-----			1	Mass.
<i>Rumina decollata</i> (L.) (Achatinidae): Palm (seed)----- Soil with unidentified plants-----	Mexico----- Bermuda, Mexico-----			1 3	Tex. Tex., Va.
<i>Schasicheila bahamensis</i> Pfeiffer (Helicinidae): Orchid (plant)-----	Bahamas-----			1	Fla.
<i>Schneidereria pistaciella</i> Weber (Gelechiidae): <i>Anacardium</i> sp. (cashew) nut----- <i>Pistacia mutica</i> (Turkterebinth pistache) nut----- <i>P. vera</i> (common pistache) nut-----	Greece----- do----- Lebanon-----	1 4 1			N. Y. N. Y. Ohio.
<i>Schoenobius incertulas</i> (Wlk.) (Schoenobiidae): Airplane-----	Japan, unknown-----		3		Hawaii.
<i>Sciocoris fuscosparsus</i> Stal (Pentatomidae): <i>Vitis</i> sp. (grape)-----	Republic of South Africa.	1			N. Y.
<i>Sclerocona acutellus</i> (Ev.) (Pyraustidae): <i>Phragmites communis</i> (common reed) fence-----	Japan-----	1			Calif.
<i>Sculptaria reticulata</i> (Martens) (Corillidae): <i>Myrothamnus flabellifolia</i> (plant)-----	Republic of the Congo-----			1	D. C.
<i>Selenaspidus silvaticus</i> Ldgr. (Coccidae): <i>Protea</i> sp.-----	Republic of South Africa.	1			Mass.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae): <i>Anthurium</i> sp.----- <i>Cordyline terminalis</i> (ti) leaf----- <i>Eugenia jambos</i> (rose-apple)----- Flowers----- <i>Garcinia mangostana</i> (mangosteen)----- Leaf—unidentified----- <i>Theobroma cacao</i> (cacao) leaf-----	Hawaii----- do----- Dominican Republic----- Guadeloupe----- Guatemala----- Dominican Republic----- Philippines-----	1 1 1 1 1 1 1			Hawaii. Hawaii. N. Y. P. R. La. Fla. Wash.
<i>Sesamia cretica</i> Lcd. (Noctuidae): <i>Sorghum vulgare</i> var. <i>technicum</i> (broomeorn)-----	France, Greece, Italy-----	8			Md., Mass., N. Y.
<i>Sesamia inferens</i> (Wlk.) (Noctuidae): Airplane-----	Japan-----		1		Hawaii.
<i>Sesamia nonagriodes</i> (Lef.) (Noctuidae): Baggage----- <i>Sorghum vulgare</i> var. <i>technicum</i> (broomeorn)-----	Unknown----- Azores-----	1 1			N. Y. N. Y.
<i>Sinoxylon anale</i> Lesne (Bostrichidae): <i>Dalbergia</i> sp. (rosewood) log----- Wood (crates and processed lumber)-----	Vietnam----- India-----	1 4			La. Mass., N. Y., Oreg.
<i>Sinoxylon conigerum</i> Gerst. (Bostrichidae): <i>Dalbergia</i> sp. (rosewood) log----- Wood (crate and van)-----	Vietnam----- Ceylon, India-----	1 2			La. Calif., * Pa.
<i>Sinoxylon sexdentatum</i> (Ol.) (Bostrichidae): <i>Allium sativum</i> (garlic)-----	Italy-----	1			N. Y.
<i>Siphanta acuta</i> (Wlk.) (Flatidae): <i>Anthurium</i> sp. (cut flowers)----- <i>Kalanchoe</i> sp.----- <i>Phaius wallichii</i> (orchid)-----	Hawaii----- do----- do-----	1 1 1		1	Hawaii. Hawaii. Hawaii.
<i>Sirex juvencus</i> (L.) (Siricidae): Cargo (household goods)-----	Japan-----	1			Va.
<i>Sisamnes contractus</i> Dist. (Lygaeidae): Cactus-----	Mexico-----			1	Tex.

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<i>Spanioneura fonscolombeii</i> Foerst. (Psyllidae): Flowers.....	England, unknown.....		2		Wash.
<i>Ligustrum</i> sp. (privet).....	Unknown.....		1		Mich.
<i>Sphenarches caffer</i> (Zell.) (Pterophoridae): <i>Cajanus cajan</i> (pigeonpea) pod.....	Puerto Rico.....	1			N.Y.
<i>Spodoptera mauritia acronyctoides</i> (Guen.) (Noctuidae): <i>Plumeria</i> sp.....	Hawaii.....	2			Hawaii.
<i>Stenotarsonemus laticeps</i> (Halb.) (Tarsonemidae): <i>Narcissus</i> sp. (bulb).....	England, Ireland, New Zealand, Northern Ireland.....			193	N.J.
<i>Stenoma catenifer</i> Wlsm. (Stenomidae): <i>Persea americana</i> (avocado).....	British Honduras, Colombia, Costa Rica, Ecuador, El Salvador, Honduras, Mexico, Nicaragua, Panama, Venezuela.....	30	4	1	Calif., * Fla., Md., N.Y., Tex.
<i>Stenoptilia stigmatodactyla</i> Zell. (Pterophoridae): <i>Gentiana</i> sp. (gentian) cut flowers.....	Switzerland.....	3			Mass., N.J., N.Y.
<i>Stephanitis nashi</i> Esaki & Takeya (Tingidae): <i>Chrysanthemum</i> sp. (cut flowers).....	Japan.....	1			Hawaii.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae): <i>Coffea arabica</i> (Arabian coffee).....	Brazil, Liberia, Republic of South Africa, West Africa.....	5			D.C., Fla., Hawaii, La., Md.
<i>C. canephora</i> (robust coffee).....	West Africa.....	1			D.C.
<i>Stereotydeus mexicanus</i> Baker (Eupodidae): Orchid (plant).....	Mexico.....			1	Tex.
Plant—unidentified.....	do.....	1			Tex.
<i>Sternochetus mangiferae</i> (F.) (Curculionidae): <i>Mangifera indica</i> (mango).....	Hawaii.....	39	5	4	Calif., * Ga., Hawaii.
<i>Sterrhia inquinata</i> (Scop.) (Geometridae): <i>Capsicum annuum</i> (pepper).....	Italy.....	2			Pa.
<i>Stygnocoris fuliginosus</i> Geoffroy (Lygacidae): <i>Fragaria</i> sp. (strawberry) plant.....	France.....			1	N.Y.
<i>Subulina octona</i> (Bruguiere) (Achatinidae): Military cargo (conex box).....	Libya.....	1			N.C.
Orchid (plant).....	British Honduras, Colombia, Jamaica, Mexico.....			9	Fla., Tex.
Soil with <i>Codiaeum</i> sp. (plant).....	Jamaica.....			1	Bahamas.
Soil with <i>Coleus</i> sp. (plant).....	Honduras.....			1	La.
Soil with <i>Dieffenbachia</i> sp. (plant).....	Puerto Rico.....			2	Pa.
Soil with unidentified plants.....	Mexico.....			1	Ariz.
<i>Suidasia medanensis</i> Oud. (Acaridae): <i>Pandanus</i> sp. (screw pine).....	Tahiti.....	1			Hawaii.
<i>Symphylus ramivittata</i> (Wlk.) (Pentatomidae): Aquatic plant.....	Peru.....			1	Fla.
<i>Synrias diffundens</i> (Wlk.) (?) (Noetuidae): Airplane.....	Venezuela.....		1		Fla.
<i>Systole albipennis</i> Wlk. (Eurytomidae): <i>Foeniculum vulgare</i> (common fennel).....	Italy.....			1	N.J.
<i>Taeniothrips atratus</i> (Hal.) (Thripidae): <i>Callistephus chinensis</i> (China aster).....	Netherlands.....	1			N.Y.
<i>Calluna vulgaris</i> (heather).....	Scotland.....	1			Mass.
<i>Dianthus caryophyllus</i> (carnation).....	Portugal, Scotland, Spain, unknown.....	2	1	1	N.Y., Pa.
Flowers.....	England, Germany, Iceland, Ireland, unknown.....	5	5		Mass., N.J., Pa., Wash.
<i>Lathyrus odoratus</i> (sweetpea).....	England.....	1			Wash.
Nursery stock.....	England, Netherlands.....			7	N.J.
<i>Petroselinum crispum</i> (parsley).....	England.....		1		Wash.
<i>Rosa</i> hybrid (rose).....	Finland.....	1			N.Y.
<i>Taeniothrips dianthi</i> Priesner (Thripidae): Flowers.....	England.....	1			Mass.

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<i>Taeniothrips discolor</i> (Karny) (Thripidae) (tentative):					
<i>Dianthus caryophyllus</i> (carnation)	Israel	1			N.Y.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae):					
<i>Callistephus chinensis</i> (China aster)	Netherlands	1			N.Y.
<i>Calluna vulgaris</i> (heather)	Canada, Ireland, Scotland.	2		3	Alaska, Pa., Wash.
<i>Taeniothrips gracilis</i> Mlt. (Thripidae):					
<i>Antirrhinum majus</i> (snapdragon)	Japan	1			Hawaii.
<i>Lycoris radiata</i> (shorttube lycoris) bulb	do			3	N.Y., Wash.
<i>L. squamigera</i> (autumn lycoris) bulb	do			6	N.J., N.Y., Wash.
<i>Lycoris</i> sp.	do			7	Calif., * N.J., N.Y., Wash.
<i>Narcissus tazetta</i> (polyanthus narcissus)	Hong Kong	1			Hawaii.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae):					
<i>Allium sativum</i> (garlic)	Philippines	1			Hawaii.
<i>Calotropis gigantea</i> (Akund calotrope)	Hawaii	1			Hawaii.
<i>Chrysanthemum</i> sp. (cut flowers)	Japan	1			Hawaii.
<i>Dianthus caryophyllus</i> (carnation)	do	2	2		Hawaii.
Flowers	Australia, Hawaii	2			Hawaii.
<i>Gardenia jasminoides</i>	Hawaii	50			Hawaii.
<i>Gardenia</i> sp.	Japan		1		Hawaii.
<i>Hibiscus</i> sp.	Hawaii, Okinawa	1		1	Hawaii.
<i>Narcissus tazetta</i> (polyanthus narcissus)	Japan	1			Hawaii.
<i>Oryza sativa</i> (rice) straw	do	2			Hawaii.
<i>Plumeria rubra</i> (Mexican frangipani)	Hawaii	1			Hawaii.
<i>Plumeria</i> sp.	do	3			Calif., * Hawaii.
<i>Sesbania grandiflora</i> (agati sesbania)	do	1			Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid)	do	1			Hawaii.
<i>Vanda</i> sp.	do	1			Hawaii.
<i>Taeniothrips picipes</i> (Zett.) (Thripidae):					
<i>Convallaria</i> sp. (lily-of-the-valley)	Norway	1			N.Y.
<i>Gentiana</i> sp. (gentian) cut flowers	Switzerland	1			N.Y.
<i>Rhododendron</i> sp. (azalea) cut flowers	England	1			N.Y.
<i>Taeniothrips vitticornis</i> (Karny) (Thripidae):					
<i>Canavalia microcarpa</i> (mauna loa)	Hawaii	1			Hawaii.
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya) fruit	Mexico	6			Tex.
<i>A. muricata</i> (soursop) seed	Dominican Republic		1		Pa.
<i>Annona</i> sp. (seed)	Mexico	1			Tex.
<i>Talurus rugosus</i> (Jac.) (Chrysomelidae):					
Airplane	Nicaragua		1		P.R.
" <i>Targionia</i> " <i>bromiliae</i> (Leon) (Coccidae):					
<i>Ananas comosus</i> (pineapple)	Azores, Mexico, Portugal.	3			Calif., N.Y.
" <i>Targionia</i> " <i>hartii</i> (Ckll.) (Coccidae):					
<i>Dioscorea</i> sp. (yam) fruit	Cuba	1	1		Fla.
<i>Zingiber officinale</i> (ginger)	Hong Kong	1			Calif.*
" <i>Targionia</i> " <i>sacchari</i> (Ckll.) (Coccidae):					
<i>Cymbopogon citratus</i> (lemongrass)	Puerto Rico			1	D.C.
<i>Saccharum officinarum</i> (sugarcane)	do		1		Pa.
<i>Targionia yuccarum</i> (Ckll.) (Coccidae):					
<i>Dudleya</i> sp. (plant)	Mexico			1	Calif.
<i>Teleonemia scrupulosa</i> Stal (Tingidae):					
<i>Mentha</i> sp. (mint)	Panama	1			Fla.
<i>Tenthecoris angustimarginatus</i> Hsiao & Sailer (Miridae):					
Orchid (plant)	Mexico			2	Tex.
<i>Tenthecoris confusus</i> Hsiao & Sailer (Miridae):					
Orchid (plant)	British Honduras, Mexico.			3	Fla., Tex.
<i>Tenthecoris distinctus</i> Hsiao & Sailer (Miridae):					
Orchid (plant)	Mexico			2	Tex.
<i>Tenthecoris exitiosus</i> (Dist.) (Miridae):					
Orchid (plant)	Peru			2	Fla.
<i>Tenthecoris venezuelensis</i> Hsiao & Sailer (Miridae):					
Orchid (plant)	Venezuela			1	Tex.

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<i>Tenthecoris vestitus</i> (Dist.) (Miridae):					
<i>Oncidium</i> sp. (orchid)	Guatemala			1	Fla.
<i>Tetrastria meticulosalis</i> Guen. (Pyraustidae):					
Orchid (plant)	Peru			1	Fla.
<i>Teratophyllella fulvioides</i> Carvalho (Miridae):					
Bromeliad	Mexico			1	Tex.
<i>Tetraleurodes aucubae</i> (Kuw.) (Aleyrodidae):					
<i>Citrus sinensis</i> (sweet orange)	Japan		1		Calif.*
<i>Tetraleurodes graminis</i> Takah. (Aleyrodidae):					
<i>Paspalum</i> sp. (paspalum grass)	Formosa			1	Wash.
<i>Tetranychus cinnabarinus</i> (Bois.) (Tetranychidae):					
<i>Chrysanthemum morifolium</i> (cut flowers)	Japan	1			Hawaii.
<i>Dianthus caryophyllus</i> (carnation)	do	1			Wash.
<i>Phaseolus vulgaris</i> (bean)	Mexico	1			Calif.
<i>Tetranychus viennensis</i> Zacher (Tetranychidae):					
<i>Malus sylvestris</i> (apple)	Poland	1			Wash.
<i>Theba pisana</i> (Müller) (Helicidae):					
Automobile	Morocco	1			S.C.
Baggage (probably for food)	Italy	1			N.Y.
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Morocco		1		Va.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	Spain		1		N.Y.
Cargo—general	Morocco, Spain	3			La., Mass., N.Y.
Flowers	Israel	1			N.Y.
Herb—unidentified	Cuba	1			Fla.
<i>Lactuca sativa</i> (lettuce)	Italy		1		N.Y.
Military cargo	Azores, France, Italy, Libya, Morocco, Spain, unknown.	58			La., Mass., N.Y., S.C., Tex., Va.
Mollusks	Morocco	4			N.Y.
<i>Muscari comosum</i> (cipollino)	do	1			N.Y.
<i>Petroselinum crispum</i> (parsley)	France, Spain		2		N.Y., Pa.
Plant material	France, Israel	2			D.C., N.Y.
<i>Rosa</i> hybrid	France	2			N.Y.
<i>Rosmarinus officinalis</i> (rosemary)	Azores	1			Mass.
<i>Solanum tuberosum</i> (potato)	Spain		1		Tex.
Stores	Unknown		1		Mich.
<i>Theba planata</i> (Holten) (Helicidae):					
Military cargo (metal cylinder)	Spain	1			Va.
<i>Thrips angusticeps</i> Uzel (Thripidae):					
Flowers	do	1			Wash.
<i>Lactuca sativa</i> (lettuce)	Unknown		1		Calif.*
<i>Thrips flavus</i> Schrank (Thripidae):					
<i>Antirrhinum majus</i> (snapdragon)	Germany	1			N.Y.
<i>Chrysanthemum</i> sp. (cut flowers)	Japan	1			Alaska.
<i>Dianthus caryophyllus</i> (carnation)	Scotland unknown.		1	1	N.Y., Pa.
Flowers (mixed)	England, Ireland, unknown.	2	5		Mass., Pa., Wash.
<i>Gardenia</i> sp. (cut flowers)	Japan	1			Wash.
Nursery stock	England, Netherlands			10	N.J.
<i>Rosa</i> hybrid	England		1		Ill.
Soil with unidentified plants	France		1		Mass.
<i>Thrips imaginis</i> Bagnall (Thripidae):					
<i>Chrysanthemum</i> sp.	Australia	1			Hawaii.
Flowers (mixed, wild)	do	1			Wash.
<i>Thrips major</i> Uzel (Thripidae):					
<i>Callistephus chinensis</i> (China aster)	Netherlands	1			N.Y.
<i>Dianthus caryophyllus</i> (carnation)	Italy	1			N.Y.
Flowers (mixed)	England, Turkey, unknown.	1	3		N.Y., Pa., Wash.
Nursery stock	Netherlands			3	N.J.
<i>Rosa</i> hybrid	Denmark, England, Poland.	3			Hawaii, N.Y.
<i>Toxotrypana curvicauda</i> Gerst. (Tephritidae):					
<i>Carica papaya</i> (papaya)	Puerto Rico	1			P.R.
<i>Tranes internatus</i> Pascoe (Curculionidae):					
<i>Macrozamia fawcettii</i> (cycad)	Australia			1	Calif.*
<i>Trialeurodes similis</i> Rsl. (Aleyrodidae):					
<i>Persea americana</i> (avocado) leaf	Mexico	1		1	Tex.
<i>Trialeurodes variabilis</i> (Q.) (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)	do	2			Tex.



## Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Trialeurodes vitrinellus</i> Ckll. (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)	Mexico	1			Tex.
<i>Trichia hispida</i> (L.) (Helicellidae):					
<i>Apium graveolens</i> (celery)	Netherlands		1		Pa.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	England		1		Ga.
<i>Erica</i> sp. (heath)	Australia			1	N.Y.
Liliaeae	Ireland			1	N.Y.
<i>Malus sylvestris</i> (apple)	Spain		1		N.Y.
Military cargo	France	1			La.
Plants—unidentified	Germany			1	N.J.
<i>Rosa</i> hybrid	France	1			N.Y.
Soil and sphangum moss	Germany	1			Tex.
Soil with various plants	Belgium, England			2	Mass., Mich.
<i>Tropaeolum</i> sp. (nasturtium) seed	Netherlands			1	Pa.
<i>Trichia striolata</i> (Pfeiffer) (Helicellidae):					
<i>Cotinus coggygia</i> (common smoketree)	Austria, Italy			5	N.J.
<i>Dianthus caryophyllus</i> (carnation)	Ireland	1			N.Y.
<i>Primula</i> sp. (primrose) plant	England			1	Wash.
<i>Trionymus sacchari</i> (Ckll.) (Coccidae):					
<i>Saccharum officinarum</i> (sugarcane)	Barbados, Cuba, Fiji, India.	3		2	D.C., Hawaii, N.Y.
<i>Trioza anceps</i> Tuth. (Psyllidae):					
<i>Persea americana</i> (avocado) leaf	Mexico	1			Tex.
<i>Trogoderma granarium</i> Everts (Dermeestidae):					
<i>Acacia senegal</i> (gum arabic)	India, Sudan	44			Md., N.Y.
<i>Anogeissus latifolia</i> (gum ghatti)	India	3			N.Y.
<i>Arachis hypogaea</i> (peanut) debris	West Africa		1		Ohio.
Bagging (including new and used burlap and wrappers on celery seed, cinnamon quills, cotton waste, crates of brassware, flax waste, gum arabic, guar gum, karaya gum, lentils, nutmeg, pepper, pigeonpeas, potatoes, psyllium husks, rice, and senna siftings).	Belgium, Ceylon, England, India, Indonesia, Netherlands, Pakistan, Senegal, Singapore, Sudan, United Arab Republic, unknown.	92	6		Ala., La., Mass., N.Y., N.C., Pa., S.C., Tex.
<i>Cajanus cajan</i> (pigeonpea)	England, India, Singapore.	1	8		Calif.,* Ga., N.C., Pa., Tex.
Cargo (hold of ship)	Unknown		6		S.C.
<i>Cinnamomum</i> sp. (cinnamon) quills	Ceylon	1			N.Y.
<i>Cuminum cyminum</i> (cumin) seed	India, Iran	7	2		N.Y., N.C., Pa., Tex.
<i>Curcuma longa</i> (turmeric)	India	1			N.Y.
<i>Cyamopsis tetragonoloba</i> (guar gum)	India, Pakistan, unknown.	8	1		Md., N.Y., S.C., Tex.
Debris (in storeroom)	Korea, unknown		2		Fla., Mass.
<i>Glycine max</i> (soybean)	Senegal		1		N.Y.
Grain (as cargo and residue)	India, Mexico, Sudan, unknown.	3	2		Minn., N.Y., Tex.
Karaya gum	India, Sudan	8			N.Y.
<i>Oryza sativa</i> (rice)	Formosa, India, Italy, Singapore, Thailand, unknown.		14		Calif.,* Ga., N.Y., N.C., Ohio, Pa., Tex., Wash.
<i>Phaseolus vulgaris</i> (bean)	Netherlands		1		Tex.
<i>Pisum sativum</i> (pea)	Formosa, India		2		Calif.,* Pa.
<i>Rhizophora</i> sp. (mangrove) bark	Tanganyika	1			S.C.
Stores (including chili pepper, coriander, cumin seed, flour, mung bean, noodles, pigeonpea, rice, and sugar)	Belgium, China, Formosa, France, Greece, India, Italy, Kuwait, Sierra Leone, Singapore, Sudan, unknown.		27		Calif.,* Fla., Ga., Hawaii, La., Mass., Mich., N.Y., N.C., Pa., S.C., Tex. Wash.
<i>Terminalia</i> sp. (myrobalan)	India	4			Ga., Pa., S.C., Va.
<i>Triticum aestivum</i> (wheat)	Belgium, unknown	1	1		Md., Tex.
<i>Zea mays</i> (corn) seed	Hong Kong			1	Hawaii.
<i>Tropidacris cristata</i> (L.) (Acrididae):					
Quarters	Ecuador		1		Fla.
<i>Tropidacris latreillei</i> (Perty) (Acrididae):					
Cargo	do.	1			Tex.

## Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

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Pest and host	Country of origin	Number of inter-ceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Udea ferrugalis</i> (Hbn.) (Pyraustidae):					
<i>Apium graveolens</i> (celery)-----	France-----		1		N. Y.
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)-----	England-----		1		Ga.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)-----	Portugal-----		1		N. Y.
<i>Cucurbita pepo</i> (zucchini squash)-----	Italy-----		1		N. Y.
<i>Pelargonium</i> sp. (geranium)-----	Portugal-----			1	Mass.
<i>Unaspis citri</i> (Comst.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	American Samoa-----	1			Hawaii.
<i>C. limon</i> (lemon)-----	Canal Zone, Panama, Trinidad.	1	2		Calif.*
<i>C. paradisi</i> (grapefruit)-----	Costa Rica, Puerto Rico.		2		Calif.*
<i>C. reticulata</i> (Mandarin orange)-----	Panama-----	1			Calif.*
<i>C. sinensis</i> (sweet orange)-----	Argentina, unknown-----		3		Calif.*
<i>Citrus</i> sp. (leaf)-----	El Salvador-----	1			Calif.*
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)-----	Japan-----		2		Hawaii, Oreg.
<i>C. aurantium</i> (sour orange)-----	do-----		16		Calif.,* Pa.
<i>C. grandis</i> (pummelo)-----	do-----	2	2		Hawaii, Oreg.
<i>C. ichangensis</i> × <i>C. reticulata</i> (ichandarin)-----	do-----		2		Calif.*
<i>C. limon</i> (lemon)-----	Australia, Japan-----	2	14		Calif.,* Hawaii, Oreg., Pa.
<i>C. mitis</i> (calamondin orange)-----	Japan-----		1		Calif.*
<i>C. paradisi</i> (grapefruit)-----	do-----		8		Calif.,* Hawaii.
<i>C. paradisi</i> × <i>C. reticulata</i> (tangelo)-----	do-----	1	1		Hawaii.
<i>C. reticulata</i> (Mandarin orange)-----	Japan, Philippines-----	33	139		Calif.,* Hawaii, N. Y., Oreg.
<i>C. reticulata</i> hybrid-----	Hong Kong, Japan-----	2	2		Hawaii.
<i>C. sinensis</i> (sweet orange)-----	Hong Kong, Japan, unknown.	8	116		Calif.,* Hawaii, N. Y., Oreg., Pa.
<i>Citrus</i> sp.-----	Japan-----	3	2		Hawaii, N. Y.
<i>Vaginulus occidentalis</i> (Guilding) (Veronicelli- dae):					
Bromeliad (plant)-----	Canal Zone-----			1	Fla.
Orchid (plant)-----	do-----			1	Tex.
<i>Philodendron</i> sp. (plant)-----	Colombia-----			1	Fla.
<i>Vaginulus occidentalis</i> (Guilding) (?) (Veroni- cellidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)-----	Tortola-----	1			Am. V. I.
<i>Caladium</i> sp. (plant)-----	Haiti-----			1	N. Y.
Orchid (plant)-----	El Salvador-----			2	Fla.
<i>Valtissius diversus</i> (Dist.) (Lygacidae):					
<i>Citrus aurantifolia</i> (lime)-----	Mexico-----	1			Tex.
Orchid (plant)-----	Costa Rica-----			1	Tex.
<i>Veronicella moreleti</i> (Crossc & Fischer) (Veroni- cellidae):					
<i>Chamaedorea</i> sp. (palm) leaf-----	Mexico-----	1			Pa.
<i>Musa paradisiaca</i> var. <i>sapientum</i> (banana)-----	Honduras-----	1			S. C.
<i>Vilga dissimilis</i> Dist. (Coreidae):					
Orchid (plant)-----	Canal Zone, Hon- duras, Panama.			4	Fla.
<i>Vilga divarigata</i> Champ. (Coreidae):					
Orchid (plant)-----	Canal Zone-----			4	Fla.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae):					
<i>Aspasia</i> sp. (orchid) leaf-----	do-----			1	Fla.
<i>Brassia caudata</i> (orchid) leaf-----	Canal Zone, Panama-----			2	Fla.
<i>Broughtonia</i> sp. (orchid) leaf-----	Jamaica-----			14	Fla.
<i>Cattleya</i> sp. (orchid) leaf-----	Antigua-----			1	N. J.
<i>Epidendrum fragrans</i> (orchid)-----	Canal Zone-----			1	Fla.
<i>Epidendrum</i> sp.-----	Antigua, Canal Zone, Jamaica, Panama, Trinidad.			6	Fla.
<i>Gongora</i> sp. (orchid) leaf-----	Nicaragua-----			1	Fla.
<i>Lycaste</i> sp. (orchid) leaf-----	Canal Zone-----			1	Fla.
<i>Oncidium altissimum</i> (orchid) leaf-----	British Honduras-----			1	Fla.
<i>O. panamense</i> (orchid) leaf-----	Canal Zone-----			1	Fla.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Vinsonia stellifera</i> —Con. Orchid (leaf of plant)-----	American Virgin Islands, Antigua, Bahamas, British Guiana, British Honduras, Canal Zone, Dominica, Honduras, Jamaica, Mauritius, Panama, Trinidad, unknown.			42	Calif.,* Fla., P.R.
<i>Vitina diaphana</i> Draparnaud (Zonitidae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)-----	France-----		1		Pa.
<i>Xiphidiopsis lita</i> Heb. (Tettigoniidae): <i>Anthurium andraeanum</i> (flamingo anthurium)	Hawaii-----	1			Hawaii.
<i>Anthurium</i> sp. (cut flowers)-----	do-----	1			Hawaii.
Flowers-----	do-----	1			Hawaii.
Leaf—unidentified-----	do-----	1			Hawaii.
<i>Xylopsocus capucinus</i> (Fab.) (Bostrichidae): Wood (crate)-----	Indonesia-----	1			Calif.*
<i>Xystrocera globosa</i> (Ol.) (Cerambycidae): <i>Operculina tuberosa</i> (wood-rose)-----	Hawaii-----	1			Hawaii.
<i>Yosemitia didactia</i> Dyar (Phycitidae): Cactus (plant)-----	Mexico-----			1	Tex.
<i>Zachrysia guanensis</i> Poey (Camaenidae): Baggage-----	Cuba-----	1			Fla.
<i>Zeadiatraea lineolata</i> (Wlk.) (Crambidae): <i>Zea mays</i> (corn)-----	Bahamas, Guatemala-----	1	2		Fla., Tex.
<i>Zonitoides arboreus</i> (Say) (Zonitidae): Bromeliad (plant)-----	France, Mexico-----			2	Ariz., Fla.
Orchid (plant)-----	Aruba, Costa Rica, El Salvador, Germany, Guatemala, Mexico, Peru.			12	Ariz., Calif.,* Fla., Tex.
Palm (plant)-----	Mexico-----			1	Tex.
<i>Saintpaulia</i> sp. (African-violet)-----	Canada-----			1	Wash.
Soil with <i>Pinus</i> sp-----	Japan-----			1	Hawaii.
<i>Zygosyza bigenera</i> Stal (Chrysomelidae): Orchid (plant)-----	Honduras-----			1	Fla.

## Hosts and Insects

- ABIES:**  
*Megastigmus suspectus* (Hymenoptera)
- ACACIA:**  
*Trogoderma granarium* (Coleoptera)
- ACALYPHA:**  
*Adoretus sinicus* (Coleoptera)
- ACHRAS:**  
*Anastrepha serpentina* (Diptera)
- AGAVE:**  
*Batrachedra linaria* (Lepidoptera)  
*Caulotcps distanti* (Hemiptera)  
*Chrysomphalus tingi* (Homoptera)  
*Ligyrocoris aurivilliana* (Hemiptera)  
*Ozophora consanguineus* (Hemiptera)
- ALLIUM CEPA:**  
*Acrolepia assectella* (Lepidoptera)  
*Myzus ascalonicus* (Homoptera)
- ALLIUM PORRUM:**  
*Acrolepia assectella* (Lepidoptera)  
*Hispa atra* (Lepidoptera)  
*Limax marginatus* (Mollusea)
- ALLIUM SATIVUM:**  
*Brachycerus albidentatus* (Coleoptera)  
*Dyspessa ulula* (Lepidoptera)  
*Sinoxylon sexdentatum* (Coleoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- ALLIUM SP.:**  
*Myzus ascalonicus* (Homoptera)
- ALOE:**  
*Exptochiopera formosa* (Hemiptera)
- ALPINIA:**  
*Coccus viridis* (Homoptera)  
*Geotomus pygmaeus* (Hemiptera)  
*Monomorium destructor* (Hymenoptera)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pulvinaria psidii* (Homoptera)
- ALSTONIA:**  
*Coccus viridis* (Homoptera)
- ALYXIA:**  
*Ceroplastes rubens* (Homoptera)  
*Pinnaspis uniloba* (Homoptera)
- ANACARDIUM:**  
*Schneidereria pistaciella* (Lepidoptera)
- ANANAS:**  
*Alpheias conspirata* (Lepidoptera)  
*Cryptocephalus marginicollis* (Coleoptera)  
*Neoclytus acuminatus* (Coleoptera)  
*Reticulitermes flavipes* (Isoptera)  
*"Targionia" bromiliae* (Homoptera)
- ANEMONE:**  
*Myzus ascalonicus* (Homoptera)
- ANNONA:**  
*Bephrata maculicollis* (Hymenoptera)  
*Cerconota anonella* (Lepidoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Talponia batesi* (Lepidoptera)
- ANOGEISSUS:**  
*Trogoderma granarium* (Coleoptera)
- ANTHURIUM:**  
*Bradybaena similis* (Mollusea)  
*Pheidole megacephala* (Hymenoptera)  
*Pulvinaria psidii* (Homoptera)  
*Selenothrips rubricinctus* (Thysanoptera)  
*Siphanta acuta* (Homoptera)  
*Xiphidiopsis lita* (Homoptera)
- ANTIRRHINUM:**  
*Bradybaena similis* (Mollusca)  
*Taeniothrips gracilis* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)
- APIUM:**  
*Cecilioides acicula* (Mollusea)  
*Pyrrhodium sanguineum* (Coleoptera)  
*Trichia hispida* (Mollusea)  
*Udea ferrugalis* (Lepidoptera)
- ARACHIS:**  
*Trogoderma granarium* (Coleoptera)
- ARAUCARIA:**  
*Laspeyresia araucaria* (Lepidoptera)
- ARBUTUS:**  
*Eucheira socialis* (Lepidoptera)
- ARMORACIA:**  
*Baris lepidii* (Coleoptera)
- ARTOCARPUS:**  
*Anaballus amplicollis* (Coleoptera)  
*Aspidiotus palmae* (Homoptera)
- Dacus dorsalis* (Diptera)
- ASPARAGUS:**  
*Bradybaena similis* (Mollusea)  
*Conoderus exsul* (Coleoptera)
- ASPASIA:**  
*Vinsonia stellifera* (Homoptera)
- ASTER:**  
*Haplothrips gowdeyi* (Thysanoptera)
- BAMBOO:**  
*Asterolecanium miliaris miliaris* (Homoptera)  
*Lyctus africanus* (Coleoptera)  
*Minthea rugicollis* (Coleoptera)  
*Neoadoxoplatus saileri* (Hemiptera)  
*Platypus rugulosus* (Coleoptera)
- BAMBUSA:**  
*Asterolecanium bambusae* (Homoptera)  
*A. pseudomiliaris* (Homoptera)
- BARRINGTONIA:**  
*Ectomyelois ceratoniae* (Lepidoptera)
- BAUHINIA:**  
*Protospulvinaria pyriformis* (Homoptera)
- BEAUCARNEA:**  
*Lepidosaphes carinata* (Homoptera)
- BENINCASA:**  
*Pachybrachius albocinctus* (Hemiptera)
- BETA:**  
*Arion ater* (Mollusea)  
*Gnorimoschema ocellatella* (Lepidoptera)  
*Helix aperta* (Mollusea)  
*H. aspersa* (Mollusca)  
*Lixus junci* (Coleoptera)  
*Mamestra brassicae* (Lepidoptera)
- BETULA:**  
*Eriophyes leionotus* (Aearina)
- BRASSAVOLA:**  
*Orthalicus undatus* (Mollusea)
- BRASSIA:**  
*Vinsonia stellifera* (Homoptera)
- BRASSICA CHINENSIS:**  
*Mamestra brassicae* (Lepidoptera)
- BRASSICA OLERACEA VAR. BOTRYTIS:**  
*Autographa gamma* (Lepidoptera)  
*Cochlicella ventrosa* (Mollusea)  
*Helix aperta* (Mollusea)  
*Mamestra brassicae* (Lepidoptera)  
*Milax gagates* (Mollusea)  
*Phytomyza rufipes* (Diptera)  
*Pieris brassicae* (Lepidoptera)  
*Theba pisana* (Mollusea)  
*Udea ferrugalis* (Lepidoptera)
- BRASSICA OLERACEA VAR. CAPITATA:**  
*Anacridium aegyptium* (Orthoptera)  
*Arion hortensis* (Mollusea)  
*Evergestis forficalis* (Lepidoptera)  
*Helix aperta* (Mollusea)  
*H. aspersa* (Mollusea)  
*Limax marginatus* (Mollusea)  
*Mamestra brassicae* (Lepidoptera)  
*Milax gagates* (Mollusea)  
*Otala lactea* (Mollusea)  
*Oulema melanopa* (Coleoptera)  
*Pieris brassicae* (Lepidoptera)  
*Theba pisana* (Mollusea)  
*Trichia hispida* (Mollusea)  
*Udea ferrugalis* (Lepidoptera)  
*Vaginulus occidentalis* (?) (Mollusea)  
*Vittrina diaphana* (Mollusea)
- BRASSICA RAPA:**  
*Ceutorhynchus pleurostigma* (Coleoptera)
- BRASSICA SP.:**  
*Loxostege bifidalis* (Lepidoptera)
- BROMELIAD:**  
*Acentroptera nevermanni* (Coleoptera)  
*Althos obscurus* (Hemiptera)  
*Ancylostomia stercorea* (Lepidoptera)  
*Arion ater* (Mollusea)  
*Arphnus melanotylus* (Hemiptera)  
*Aspidiotus mendax* (Homoptera)  
*A. palmae* (Homoptera)  
*Atheas nigricornis* (Hemiptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Cryphula apicata* (Hemiptera)  
*Drymaeus alternans* (Mollusea)  
*D. hegewischi* (Mollusea)  
*Ethelema sobrina* (Coleoptera)  
*Exptochiopera tumens* (Hemiptera)

## Hosts and Insects—Continued

## BROMELIAD—Continued

- Galgupha punctifer* (Hemiptera)  
*G. quadrisignata* (Hemiptera)  
*Helicina oweniana* (?) (Mollusca)  
*H. zephyrina* (Mollusca)  
*Iridomyrmex iniquus* (Hymenoptera)  
*Lamellaxis gracilis* (Mollusca)  
*Limax marginatus* (Mollusca)  
*Mecolaemus carvalhoi* (Hemiptera)  
*Monanthia monotropidia* (Hemiptera)  
*Nasutitermes ephratae* (Isoptera)  
*N. nigriceps* (Isoptera)  
*Oplomus nigripennis pulcher* (Hemiptera)  
*Orthalicus boucardi* (Mollusca)  
*Pachybrachius albocinctus* (Hemiptera)  
*Plagioderia punctigera* (Coleoptera)  
*Pseudoparlatoria turgida* (Homoptera)  
*Termatophyllella fulviodes* (Hemiptera)  
*Vaginulus occidentalis* (Mollusca)  
*Zonitoides arboreus* (Mollusca)

## BROUGHTONIA:

- Asterolecanium epidendri* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

## BUXUS:

- Eriophyes canestrinii* (Acarina)

## CACTUS:

- Amitermes wheeleri* (Isoptera)  
*Bulimulus hepatostomus* (Mollusca)  
*Cryphula apicata* (Hemiptera)  
*Gymnococcus agavium* (Homoptera)  
*Lepidosaphes philococcus* (Homoptera)  
*Polygyra richardsoni* (Mollusca)  
*Reticulitermes flavipes* (Isoptera)  
*Sisamnes contractus* (Hemiptera)  
*Yosemitia didactica* (Lepidoptera)

## CAESALPINIA:

- Mimosestes sallaei* (Coleoptera)

## CAJANUS:

- Acanthoscelides armitagei* (Coleoptera)  
*A. griseolus* (Coleoptera)  
*Ancylostoma stercorea* (Lepidoptera)  
*Callosobruchus analis* (Coleoptera)  
*Fundella pellucens* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Sphenarches caffer* (Lepidoptera)  
*Trogoderma granarium* (Coleoptera)

## CALADIUM:

- Vaginulus occidentalis* (?) (Mollusca)

## CALLISTEPHUS:

- Taeniothrips atratus* (Thysanoptera)  
*T. ericae* (Thysanoptera)  
*Thrips major* (Thysanoptera)

## CALLUNA:

- Aphis callunae* (Homoptera)  
*Lygus rugulipennis* (Hemiptera)  
*Orthotylus ericetorum* (Hemiptera)  
*Rhinocola ericae* (Homoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*T. ericae* (Thysanoptera)

## CALOCARPUM:

- Anastrepha serpentina* (Diptera)

## CALOTROPIS:

- Taeniothrips hawaiiensis* (Thysanoptera)

## CAMELLIA:

- Aleurotrachelus camelliae* (Homoptera)  
*Fiorinia theae* (Homoptera)

## CANAVALLIA:

- Lampides boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Taeniothrips vitticornis* (Thysanoptera)

## CAPSICUM:

- Ceratitis capitata* (Diptera)  
*Ephestia calidella* (Lepidoptera)  
*Gnorimoschema borsaniella* (Lepidoptera)  
*G. gudmannella* (Lepidoptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Platynota rostrana* (Lepidoptera)  
*Prodenia litura* (Lepidoptera)  
*Sterrrha inquinata* (Lepidoptera)

## CARICA:

- Dacus dorsalis* (Diptera)  
*Toxotrypana curvicauda* (Diptera)

## CARISSA:

- Pulvinaria psidii* (Homoptera)

## CASIMIROA:

- Anastrepha ludens* (Diptera)

## CASSIA:

- Aganactesis indecora* (Lepidoptera)

## CASTANEA:

- Curculio elephas* (Coleoptera)  
*C. nucum* (Coleoptera)  
*Helix aspersa* (Mollusca)  
*Heterogenea asella* (Lepidoptera)  
*Laspeyresia splendana* (Lepidoptera)

## CATTLEYA:

- Asterolecanium epidendri* (Homoptera)  
*Chrysomphalus umboniferus* (Homoptera)  
*Eurytoma orchidearum* (Hymenoptera)  
*Puto ulter* (Homoptera)  
*Vinsonia stellifera* (Homoptera)

## CEDRUS:

- Cochlicella ventrosa* (Mollusca)

## CEPHALOCEREUS:

- Lepidosaphes philococcus* (Homoptera)

## CERATONIA:

- Ectomyelois ceratoniae* (Lepidoptera)

## CHAMAEDOREA:

- Amnestus uhleri* (Hemiptera)  
*Chrysomphalus sphaeroides* (Homoptera)  
*Helicina zephyrina* (Mollusca)  
*Lorostege similalis* (Lepidoptera)  
*Parisoschoenus flavolimbatus* (Coleoptera)  
*Veronicella moreleti* (Mollusca)

## CHRYSANTHEMUM:

- Cleistolophus similis* (Coleoptera)  
*Conotelus mexicanus* (Coleoptera)  
*Frankliniella formosae* (Thysanoptera)  
*F. schultzei* (Thysanoptera)  
*F. williamsi* (Thysanoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Lygus lineolaris* (Hemiptera)  
*Nysius tenellus* (Hemiptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Stephanitis nashi* (Hemiptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)  
*Tetranychus cinnabarinus* (Acarina)  
*Thrips flavus* (Thysanoptera)  
*T. imaginis* (Thysanoptera)

## CIBOTIUM:

- Ceroplastes rubens* (Homoptera)

## CICER:

- Ancylostomia stercorea* (Lepidoptera)

## CICHORIUM:

- Helicella itala* (Mollusca)

## CINNAMOMUM:

- Trogoderma granarium* (Coleoptera)

## CITRULLUS:

- Heterotermes maculatus* (Isoptera)  
*Jadera rufofusca* (Hemiptera)

## CITRUS AURANTIFOLIA:

- Aleurocanthus woglumi* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Morganella longispina* (Homoptera)  
*Paragonatus divergens* (Hemiptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pseudaonidia trilobitiformis* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)  
*Valtissius diversus* (Hemiptera)

## CITRUS AURANTIUM:

- Anastrepha ludens* (Diptera)  
*Aonidiella citrina* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## CITRUS GRANDIS:

- Ceratitis capitata* (?) (Diptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Unaspis yanonensis* (Homoptera)

## CITRUS ICHANGENSIS X C. RETICULATA:

- Unaspis yanonensis* (Homoptera)

## CITRUS LIMON:

- Ceratitis capitata* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. citri* (Homoptera)  
*P. zizyphus* (Homoptera)

## Hosts and Insects—Continued

- CITRUS LIMON—Continued  
*Pseudaonidia trilobitiformis* (Homoptera)  
*Pseudococcus gahani* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS MITIS:  
*Unaspis yanonensis* (Homoptera)
- CITRUS PARADISI:  
*Anastrepha ludens* (Diptera)  
*Aonidiella comperei* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pseudaonidia trilobitiformis* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS PARADISI X C. RETICULATA:  
*Unaspis yanonensis* (Homoptera)
- CITRUS RETICULATA:  
*Aonidiella citrina* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Helix aspersa* (Mollusea)  
*Parlatoria cinerea* (Homoptera)  
*P. citri* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS RETICULATA HYBRID:  
*Unaspis yanonensis* (Homoptera)
- CITRUS SINENSIS:  
*Aleurocanthus woglumi* (Homoptera)  
*Anastrepha ludens* (Diptera)  
*A. mombinpraeoptans* (Diptera)  
*Aonidiella citrina* (Homoptera)  
*Brevipalpus obovatus* (Acarina)  
*Ceratitis capitata* (Diptera)  
*Chrysomphalus personatus* (Homoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Cryptophlebia leucotreta* (Lepidoptera)  
*Ctenoglyphus plumiger* (Acarina)  
*Dialeurodes citrifolii* (Homoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Gymnandrosoma aurantianum* (Lepidoptera)  
*Morganella longispina* (Homoptera)  
*Parlatoria cinerea* (Homoptera)  
*P. citri* (Homoptera)  
*P. zizyphus* (Homoptera)  
*Pseudococcus citriculus* (Homoptera)  
*P. gahani* (Homoptera)  
*Tetraleurodes aucubae* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CITRUS SP.:  
*Aleurocanthus citriperdus* (Homoptera)  
*A. woglumi* (Homoptera)  
*Coccus viridis* (Homoptera)  
*Parlatoria zizyphus* (Homoptera)  
*Tetraleurodes variabilis* (Homoptera)  
*T. vitrinellus* (Homoptera)  
*Unaspis citri* (Homoptera)  
*U. yanonensis* (Homoptera)
- CLEMATIS:  
*Helicella trochoides* (Mollusea)
- CLUSIA:  
*Pulvinaria psidii* (Homoptera)
- COCOS:  
*Agonoxena pyrogramma* (Lepidoptera)  
*Aonidiella inornata* (Homoptera)  
*Aspidiotus destructor* (Homoptera)  
*A. excisus* (Homoptera)  
*A. palmae* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Diocalandra taiitensis* (Coleoptera)  
*Furcaspis oceanica* (Homoptera)  
*Lepidosaphes esakii* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pseudococcus palmarum* (Homoptera)
- CODIAEUM:  
*Achaea janata* (Lepidoptera)  
*Lepidosaphes tokionis* (Homoptera)  
*Parlatoria crotonis* (Homoptera)
- COFFEA:  
*Campylenchia hastata* (Homoptera)
- Ceratitis capitata* (Diptera)  
*C. colae* (Diptera)  
*Coccus alpinus* (Homoptera)  
*C. viridis* (Homoptera)  
*Cryptophlebia leucotreta* (Lepidoptera)  
*Leucoptera coffeella* (Lepidoptera)  
*Stephanoderes hampei* (Coleoptera)
- COLA:  
*"Lecanium" catori* (tentative) (Homoptera)
- COLOCASIA:  
*Limax marginatus* (Mollusca)  
*Oxychilus alliarius* (Mollusea)  
*Ozophora quinque maculata* (Hemiptera)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)
- CONVALLARIA:  
*Taeniothrips picipes* (Thysanoptera)
- CORDYLINE:  
*Geotomus pygmaeus* (Hemiptera)  
*Pinnaspis buxi* (Homoptera)  
*Pseudococcus boninsis* (Homoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)
- CORYLUS:  
*Curculio nucum* (Coleoptera)
- COTINUS:  
*Helicella itala* (Mollusca)  
*Trichia striolata* (Mollusea)
- CRATAEGUS:  
*Psylla melanoneura* (?) (Homoptera)
- CUCUMIS:  
*Apomecyna saltator* (Coleoptera)  
*Diaphania indica* (Lepidoptera)  
*Melanaethus planifrons* (Hemiptera)
- CUCURBITA:  
*Conotelus mexicanus* (Coleoptera)  
*Udea ferrugalis* (Lepidoptera)
- CUMINUM:  
*Trogoderma granarium* (Coleoptera)
- CUPRESSUS:  
*Diaspis minima* (Homoptera)
- CURCUMA:  
*Trogoderma granarium* (Coleoptera)
- CYAMOPSIS:  
*Trogoderma granarium* (Coleoptera)
- CYCAS:  
*Aonidiella inornata* (Homoptera)  
*Aspidiotus palmae* (Homoptera)
- CYCLAMEN:  
*Frankliniella formosae* (Thysanoptera)
- CYCNOCHES:  
*Iridomyrmex iniquus* (Hymenoptera)
- CYDONIA:  
*Anastrepha ludens* (Diptera)  
*Ceratitis capitata* (Diptera)  
*Chrysomphalus odontoglossi* (Homoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Grapholitha packardi* (Lepidoptera)
- CYMBIDIUM:  
*Lepidosaphes tuberculata* (Homoptera)
- CYMBOPOGON:  
*"Targionia" sacchari* (Homoptera)
- CYNARA:  
*Anuraphis apiifolia* (Homoptera)  
*Gortyna flavago* (Lepidoptera)
- CYTISUS:  
*Agonopterix costosa* (Lepidoptera)  
*Bruchidius lividimanus* (Coleoptera)
- DALBERGIA:  
*Nasutitermes corniger* (Isoptera)  
*Sinoxylon anale* (Coleoptera)  
*S. conigerum* (Coleoptera)
- DAPHNE:  
*Lecanium persicae* (tentative) (Homoptera)
- DENDROBIUM:  
*Chrysomphalus nulliporus* (Homoptera)
- DIACHAEA:  
*Chrysomphalus umboniferus* (Homoptera)
- DIANTHUS:  
*Cacoecimorpha pronubana* (Lepidoptera)  
*Frankliniella formosae* (Thysanoptera)  
*F. intonsa* (Thysanoptera)  
*F. schultzei* (Thysanoptera)  
*Haplothrips cottei* (Thysanoptera)  
*Heliothis armigera* (Lepidoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*T. discolor* (tentative) (Thysanoptera)

## Hosts and Insects—Continued

- DIANTHUS—Continued  
*T. hawaiiensis* (Thysanoptera)  
*Tetranychus cinnabarinus* (Acarina)  
*Thrips flavus* (Thysanoptera)  
*T. major* (Thysanoptera)  
*Trichia striolata* (Mollusea)
- DIGITARIA:  
*Antonina graminis* (Homoptera)
- DIOSCOREA:  
 "Targionia" hartii (Homoptera)
- DIOSPYROS:  
*Ceratitis capitata* (Diptera)  
*Lepidosaphes conchiformoides* (Homoptera)
- DISPORUM:  
*Frankliniella formosae* (Thysanoptera)
- DOLICHOS:  
*Maruca testulalis* (Lepidoptera)
- DRACAENA:  
*Chrysomphalus nigropunctatus* (tentative) (Homoptera)  
*Lepidosaphes celtis* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pinnaspis buxi* (Homoptera)
- DUDLEYA:  
*Micrarionta stearnsiana* (Mollusea)  
*Targionia yuccarum* (Homoptera)
- ECHINODORUS:  
*Aleurodicus iridescens* (Homoptera)  
*Limax marginatus* (Mollusea)
- ENCEPHALARTOS:  
*Cecilioides aperta* (?) (Mollusea)
- EPIDENDRUM:  
*Asterolecanium epidendri* (Homoptera)  
*Orthalicus undatus* (Mollusea)  
*Puto mexicanus* (Homoptera)  
*Vinsonia stellifera* (Homoptera)
- EPIGAEA:  
*Aulacaspis ericacearum* (tentative) (Homoptera)
- ERICA:  
*Trichia hispida* (Mollusea)
- ERIOBOTRYA:  
*Ceratitis capitata* (Diptera)
- EUGENIA:  
*Anastrepha mombinpraeoptans* (Diptera)  
*Dacus dorsalis* (?) (Diptera)  
*Selenothrips rubrocinctus* (Thysanoptera)
- EUPHORBIA:  
*Asterolecanium euphorbiae* (Homoptera)
- FAGUS:  
*Adelphocoris lineolatus* (Hemiptera)
- FICUS:  
*Ceratitis capitata* (Diptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Goniogaster variicolor* (Hymenoptera)  
*Helicella pyramidata* (Mollusea)  
*Lepidosaphes ficus* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pseudischnaspis bowreyi* (Homoptera)
- FOENICULUM:  
*Anuraphis apiifolia* (Homoptera)  
*Systole albipennis* (Hymenoptera)
- FRAGARIA:  
*Aleyrodes loniceræ* (Homoptera)  
*Arianta arbustorum* (Mollusea)  
*Ceratoma atrofasciata* (Coleoptera)  
*Membracis mexicana* (Homoptera)  
 "Microporus" nigrinus (Hemiptera)  
*Peritrechus sylvestris* (Hemiptera)  
*Philaenus leucophthalmus* (Homoptera)  
*Rhyarochromus immaculatus* (Hemiptera)  
*Stygnocoris fuliginus* (Hemiptera)
- GARCINIA:  
*Akermes andersoni* (Homoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)
- GARDENIA:  
*Coccus viridis* (Homoptera)  
*Conotelus mexicanus* (Coleoptera)  
*Dialeurodes kirkaldyi* (Homoptera)  
*Eucalymnatus tessellatus* (Homoptera)  
*Frankliniella formosae* (Thysanoptera)  
*Nysius coenosulus* (Hemiptera)  
*Orthezia pseudinsignis* (Homoptera)  
*Pealius hibisci* (Homoptera)  
*Protopulvinaria longivalvata* (Homoptera)  
*P. pyriformis* (Homoptera)  
*Pseudococcus ferrisi* (Homoptera)
- Pulvinaria psidii* (Homoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)
- GENTIANA:  
*Stenoptilia stigmatodactyla* (Lepidoptera)  
*Taeniothrips picipes* (Thysanoptera)
- GLADIOLUS:  
*Frankliniella intonsa* (Thysanoptera)  
*Macroscytus brunneus* (Hemiptera)  
*Prodenia litura* (Lepidoptera)
- GLYCINE:  
*Trogoderma granarium* (Coleoptera)
- GLYCYRRHIZA:  
*Bostrichus capucinus* (Coleoptera)  
*Lyctus africanus* (Coleoptera)
- GONGORA:  
*Vinsonia stellifera* (Homoptera)
- GOSSYPIUM:  
*Oxycarenum hyalinipennis* (Hemiptera)  
*Pectinophora gossypiella* (Lepidoptera)
- GRAMINEAE:  
*Metopoplax ditomoides* (Hemiptera)
- HEDERA:  
*Roucasia ovata* (Homoptera)
- HELICHRYSUM:  
*Haplothrips gowdeyi* (Thysanoptera)
- HIBISCUS:  
*Earias insulana* (Lepidoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Pectinophora gossypiella* (Lepidoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- ILEX:  
*Rhophobota naevana* (Lepidoptera)
- IMPATIENS:  
*Helicella caperata* (Mollusea)
- IPOMOEA:  
*Cylas formicarius* var. (Coleoptera)  
*C. formicarius elegantulus* (Coleoptera)  
*C. puncticollis* (Coleoptera)  
*Eusepes postfasciatus* (Coleoptera)
- IPOMOEA (?):  
*Megacerus alternatus* (Coleoptera)
- IRIS:  
*Iridothrips iridis* (Thysanoptera)  
*Limothrips denticornis* (Thysanoptera)
- ISOTOMA:  
*Pentalonia nigronervosa* (Homoptera)
- IXORA:  
*Coccus viridis* (Homoptera)  
*Pulvinaria psidii* (Homoptera)
- JACARANDA:  
*Coptotermes testaceus* (Isoptera)
- JASMINUM:  
*Dialeurodes kirkaldyi* (Homoptera)  
*Palpita unionalis* (Lepidoptera)  
*Parlatoria cinerea* (Homoptera)
- JUGLANS:  
*Ectomyelois ceratoniae* (Lepidoptera)
- JUNIPERUS:  
*Diaspis juniperi* (Homoptera)  
*Limax marginatus* (Mollusea)  
*Oligonychus perditus* (Acarina)  
*Pentamerismus oregonensis* (Acarina)
- KALANCHOE:  
*Siphanta acuta* (Homoptera)
- KENTIA:  
*Aspidiotus destructor* (Homoptera)  
*A. palmae* (Homoptera)
- LACTUCA:  
*Anuraphis cardui* (Homoptera)  
*Arion hortensis* (Mollusea)  
*Autographa gamma* (Lepidoptera)  
*Helicella itala* (Mollusea)  
*Helix aspersa* (Mollusea)  
*Limax marginatus* (Mollusea)  
*Mamestra brassicae* (Lepidoptera)  
*Poecilozonites circumfirmatus* (Mollusea)  
*Theba pisana* (Mollusea)  
*Thrips anqusticeps* (Thysanoptera)
- LAGERSTROEMIA:  
*Pulvinaria psidii* (Homoptera)
- LATHYRUS:  
*Bruchus signaticornis* (Coleoptera)  
*B. tristis* (Coleoptera)  
*Conotelus mexicanus* (Coleoptera)

## Hosts and Insects—Continued

- LATHYRUS—Continued  
*Taeniothrips atratus* (Thysanoptera)
- LAURUS:  
*Aleurothrix myrtacei* (Homoptera)  
*Chrysomphalus paulistus* (tentative) (Homoptera)  
*Helicella conspurcata* (Mollusca)
- LENS:  
*Acanthoscelides griseolus* (Coleoptera)  
*Bruchus ervi* (Coleoptera)  
*B. lentis* (Coleoptera)  
*B. signaticornis* (Coleoptera)
- LEUCAENA:  
*Araecerus levipennis* (Coleoptera)
- LIGUSTRUM:  
*Spanioneura fonscolombi* (Homoptera)
- LILIACEAE:  
*Trichia hispida* (Mollusca)
- LILIUM:  
*Otala vermiculata* (Mollusca)
- LITCHI:  
*Frankliniella formosae* (Thysanoptera)  
*Planococcus dorsospinosus* (Homoptera)  
*Pulvinaria psidii* (Homoptera)
- LUPINUS:  
*Bruchus tristis* (Coleoptera)
- LYCASTE:  
*Vinsonia stellifera* (Homoptera)
- LYCOPERSICON:  
*Gnorimoschema gudmannella* (Lepidoptera)  
*Hemiteochus androsi* (Mollusca)  
*Ligyrocoris aurivilliana* (Hemiptera)  
*Neoleucinodes elegantalis* (Lepidoptera)  
*Plectia plagiata* (Diptera)
- LYCORIS:  
*Taeniothrips gracilis* (Thysanoptera)
- MACROZAMIA:  
*Tranes internatus* (Coleoptera)
- MALUS:  
*Argyresthia conjugella* (Lepidoptera)  
*Arion hortensis* (Mollusca)  
*Blastodacna atra* (Lepidoptera)  
*Carposina niponensis* (Lepidoptera)  
*Ceratitidis capitata* (Diptera)  
*Glycyphagus michaeli* (Acarina)  
*Grapholitha janthiana* (Lepidoptera)  
*Leucoptera scitella* (Lepidoptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Tetranychus viennensis* (Acarina)  
*Trichia hispida* (Mollusca)
- MALVAVISUS:  
*Lepidosaphes crotonis* (Homoptera)
- MANGIFERA:  
*Adoretus sinicus* (Coleoptera)  
*Anastrepha ludens* (Diptera)  
*A. mombinpraeoptans* (Diptera)  
*Aulacaspis tubercularis* (Homoptera)  
*Chrysomphalus personatus* (Homoptera)  
*Dacus dorsalis* (Diptera)  
*Lepidosaphes tubulorum* (Homoptera)  
*Pseudaonidia trilobitiformis* (Homoptera)  
*Pseudischnaspis longissima* (Homoptera)  
*Sternochetus mangiferae* (Coleoptera)
- MANIHOT:  
*Heterotermes convexinotatus* (Isoptera)
- MARANTA:  
*Aspidiotus destructor* (Homoptera)
- MENTHA:  
*Corythaica carinata* (Hemiptera)  
*Psylla pyri* (Homoptera)  
*Teleonemia scrupulosa* (Hemiptera)
- MIMOSA:  
*Gonocerus insidiator* (Hemiptera)
- MIRABILIS:  
*Cochlicella barbara* (Mollusca)  
*Helicella maritima* (Mollusca)  
*H. variabilis* (Mollusca)  
*Hygromia cinctella* (Mollusca)
- MOLUCELLA:  
*Haplothrips gowdeyi* (Thysanoptera)
- MONTANOA:  
*Corythucha mclfreshi* (Hemiptera)
- MURRAYA:  
*Dacus dorsalis* (Diptera)
- MUSA:  
*Bulimulus unicolor* (Mollusca)
- Cosmopolites sordidus* (Coleoptera)  
*Dacus dorsalis* (Diptera)  
*Epilachna borealis* var. (Coleoptera)  
*Metamasius hemipterus sericeus* (Coleoptera)  
*Nasutitermes dendrophilus* (Isoptera)  
*Opogona sacchari* (Lepidoptera)  
*Orthalicus obductus* (Mollusca)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Platoeceticus symmicta* (Lepidoptera)  
*Polygyra mater montana* (Mollusca)  
*Porphyrobaphe iostoma* (Mollusca)  
*Pyrgocorypha sallei* (Orthoptera)  
*Veronicella moreleti* (Mollusca)
- MUSCARI:  
*Theba pisana* (Mollusca)
- MYROTHAMNUS:  
*Sculptaria retisculpta* (Mollusca)
- MYRTILLOCACTUS:  
*Opuntiaspis philococcus* (Homoptera)
- NARCISSUS:  
*Steneotarsonemus laticeps* (Acarina)  
*Taeniothrips gracilis* (Thysanoptera)  
*T. hawaiiensis* (Thysanoptera)
- NEOMOOREA:  
*Pinnaspis buxi* (Homoptera)
- NERINE:  
*Haplothrips gowdeyi* (Thysanoptera)
- NERIUM:  
*Poecilozonites circumfirmatus* (Mollusca)
- NOLINA:  
*Pseudodiaspis yuccae* (Homoptera)
- ODONTOGLOSSUM:  
*Asterolecanium epidendri* (Homoptera)
- OLEA:  
*Dacus oleae* (Diptera)  
*Euphyllura olivina* (Homoptera)  
*Phloeotribus scarabaeoides* (Coleoptera)  
*Prays oleellus* (Lepidoptera)
- ONCIDIUM:  
*Asterolecanium epidendri* (Homoptera)  
*Capaneus tetricus* (Hemiptera)  
*Pseudoparlatoria ostreata* (Homoptera)  
*Tentecoris vestitus* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)
- ONOBRYCHIS:  
*Helicella striata* (Mollusca)  
*H. variabilis* (Mollusca)  
*Monacha carthusiana* (Mollusca)
- OPERCULINA:  
*Dendrothripoides ipomeae* (Thysanoptera)  
*Xystrocera globosa* (Coleoptera)
- OPUNTIA:  
*Ceratitidis capitata* (Diptera)  
*Helicella striata* (Mollusca)
- ORANIA:  
*Morganella longispina* (Homoptera)
- ORBIGNYA:  
*Asterolecanium simile* (Homoptera)  
*Heterotermes convexinotatus* (Isoptera)
- ORCHID:  
*Adoretus sinicus* (Coleoptera)  
*Aeolus pictus* (Coleoptera)  
*Antillocoris punctatus* (Hemiptera)  
*Antiteuchus panamensis* (Hemiptera)  
*Asterolecanium epidendri* (Homoptera)  
*Bathydema socia* (Hemiptera)  
*Capaneus tetricus* (Hemiptera)  
*Cecilioides acicula* (Mollusca)  
*Chondropoma picta* (?) (Mollusca)  
*Chrysomphalus umboniferus* (Homoptera)  
*Conchaspis orchidarum* (Homoptera)  
*Cryphula apicata* (Hemiptera)  
*Dendrocoris variegatus* (Hemiptera)  
*Drymaeus alternans* (Mollusca)  
*D. cuernavacensis* (Mollusca)  
*D. heynemanni* (Mollusca)  
*D. multilineatus* (Mollusca)  
*D. rudis* (Mollusca)  
*Eucalymnatus tessellatus* (Homoptera)  
*Eurytoma orchidearum* (Hymenoptera)  
*Eustrophinus marginatus* (Coleoptera)  
*Exptochiamera albomaculata* (Hemiptera)  
*E. confusa* (Hemiptera)  
*Frankliniella williamsi* (Thysanoptera)



## Hosts and Insects—Continued

## ORCHID—Continued

- Galgupha quadrisignata* (Hemiptera)  
*Genaparlatoria pseudaspidiotus* (Homoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Helicina durangoana*(?) (Mollusca)  
*H. neritella* (Mollusca)  
*H. substriata* (Mollusca)  
*Helix aspersa* (Mollusca)  
*Hemistrochus androsi* (Mollusca)  
*H. streator* (Mollusca)  
*Heterotermes convexinotatus* (Isoptera)  
*Iridomyrmex iniquus* (Hymenoptera)  
*I. pilifer* (Hymenoptera)  
*Jadera sanguinolenta* (Hemiptera)  
*Jenneretia multistriata* (Mollusca)  
*Lamellaxis gracilis* (Mollusca)  
*L. micra* (Mollusca)  
*Largus affinis*(?) (Hemiptera)  
*Limax marginatus* (Mollusca)  
*Malacorhinus foveipennis* (Coleoptera)  
*Monomorium destructor* (Hymenoptera)  
*Mormidea pictiventris* (Hemiptera)  
*Myodocha longicollis* (Hemiptera)  
*Nasutitermes corniger* (Isoptera)  
*N. ephratae* (Isoptera)  
*N. nigriceps* (Isoptera)  
*N. rippertii* (Isoptera)  
*Neolobophora inopinata* (Dermaptera)  
*Nesoecia nigrispina* (Orthoptera)  
*Ogdocosta guttifera* (Coleoptera)  
*Opeas pyrgula* (Mollusca)  
*Opogona sacchari* (Lepidoptera)  
*Orthalicus decolor* (Mollusca)  
*O. pulchellus protoglyptus* (Mollusca)  
*O. undatus* (Mollusca)  
*Pachybrachius intermedius* (Hemiptera)  
*Paroecanthus annulatus* (Orthoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Pinnaspis burzi* (Homoptera)  
*Polygyra bahamensis* (Mollusca)  
*Praticolella ampla* (Mollusca)  
*Pseudischnaspis alienus* (Homoptera)  
*P. bowreyi* (Homoptera)  
*Pseudoparlatoria ostreata* (Homoptera)  
*Pseudophasma cyllarus* (Phasmatodea)  
*Puto mexicanus* (Homoptera)  
*P. ulter* (Homoptera)  
*Radiodiscus proameri* (Mollusca)  
*Reticulitermes flavipes* (Isoptera)  
*Schasicheila bahamensis* (Mollusca)  
*Stereotydeus mexicanus* (Acarina)  
*Subulina octona* (Mollusca)  
*Tenthecoris angustimarginatus* (Hemiptera)  
*T. confusus* (Hemiptera)  
*T. distinctus* (Hemiptera)  
*T. exitosus* (Hemiptera)  
*T. venezuelensis* (Hemiptera)  
*Terastris meticulosalis* (Lepidoptera)  
*Vaginulus occidentalis* (Mollusca)  
*Valtissius diversus* (Hemiptera)  
*Vilga dissimilis* (Hemiptera)  
*V. divarigata* (Hemiptera)  
*Vinsonia stellifera* (Homoptera)  
*Zonitoides arboreus* (Mollusca)  
*Zygospila bigenera* (Coleoptera)
- ORNITHOGALUM:  
*Blissus diplopterus* (Hemiptera)  
*Diaphone eumela* (Lepidoptera)  
*Epichorista ionephela* (Lepidoptera)  
*Haplothrips gowdeyi* (Thysanoptera)  
*Orycaenus hyalinipennis* (Hemiptera)
- ORYZA:  
*Chilo suppressalis* (Lepidoptera)  
*Frankliniella formosae* (Thysanoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)  
*Trogoderma granarium* (Coleoptera)
- PACHYCEREUS:  
*Lepidosaphes philococcus* (Homoptera)
- PALM:  
*Helix aspersa* (Mollusca)  
*Neocyclotus dysoni cookei* (Mollusca)  
*Pheidole megacephala* (Hymenoptera)  
*Rumina decollata* (Mollusca)  
*Zonitoides arboreus* (Mollusca)

## PANDANUS:

- Ceratitis capitata* (?) (Diptera)  
*Frankliniella formosae* (Thysanoptera)  
*Suidasia medanensis* (Acarina)
- PASPALUM:  
*Tetraleurodes graminis* (Homoptera)
- PELARGONIUM:  
*Helix aspersa* (Mollusca)  
*Pseudoparlatoria ostreata* (Homoptera)  
*Udea ferrugalis* (Lepidoptera)
- PEPEROMIA:  
*Limax marginatus* (Mollusca)  
*Protopulvinaria longivalvata* (Homoptera)
- PERSEA:  
*Conotrachelus aguacatae* (Coleoptera)  
*C. perseae* (Coleoptera)  
*Stenomoma catenifer* (Lepidoptera)  
*Traleurodes similis* (Homoptera)  
*Trioza anceps* (Homoptera)
- PETROSELINUM:  
*Peritrechus nubilus* (Hemiptera)  
*Plinthisus brevipennis* (Hemiptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Theba pisana* (Mollusca)
- PHAIUS:  
*Siphanta acuta* (Homoptera)
- PHASEOLUS:  
*Acanthoscelides armitagei* (Coleoptera)  
*A. griseolus* (Coleoptera)  
*Ancylostomia stercorea* (Lepidoptera)  
*Apion griseum* (Coleoptera)  
*Callosobruchus analis* (Coleoptera)  
*Cryptophlebia ombrodelta* (Lepidoptera)  
*Epinotia aporema* (Lepidoptera)  
*Everes comyntas* (Lepidoptera)  
*Fundella pellucens* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Matsumuraeses phaseoli* (Lepidoptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Tetranychus cinnabarinus* (Acarina)  
*Trogoderma granarium* (Coleoptera)
- PHILADELPHUS:  
*Lecanium corni* (Homoptera)
- PHILODENDRON:  
*Chrysomphalus tenax* (Homoptera)  
*C. umboniferus* (Homoptera)  
*Coryda nemoraloides* (Mollusca)  
*Exptochicmera formosa* (Hemiptera)  
*Vaginulus occidentalis* (Mollusca)
- PHRAGMITES:  
*Nipponaclerda biwakoensis* (Homoptera)  
*Sclerocona acutellus* (Lepidoptera)
- PHYSALIS:  
*Platynota rostrana* (Lepidoptera)
- PICEA:  
*Megastigmus strobilobius* (Hymenoptera)
- PINUS:  
*Dichrocrocis punctiferalis* (Lepidoptera)  
*Heterotermes convexinotatus* (Isoptera)  
*Leucaspis pusilla* (Homoptera)  
*Petrova cristata* (Lepidoptera)  
*Rhyacionia buoliana* (Lepidoptera)
- PISTACIA:  
*Megastigmus pistaciae* (Hymenoptera)  
*Schneidereria pistaciella* (Lepidoptera)
- PISUM:  
*Acanthoscelides armitagei* (Coleoptera)  
*A. griseolus* (Coleoptera)  
*Ancylostomia stercorea* (Lepidoptera)  
*Everes comyntas* (Lepidoptera)  
*Fundella pellucens* (Lepidoptera)  
*Lampides boeticus* (Lepidoptera)  
*Laspeyresia nigricana* (Lepidoptera)  
*Trogoderma granarium* (Coleoptera)
- PITHECELLOBIUM:  
*Cryptophlebia ombrodelta* (Lepidoptera)
- PLEUROTHALIS:  
*Platynota rostrana* (Lepidoptera)
- PLUMERIA:  
*Coccus viridis* (Homoptera)  
*Conotelus mexicanus* (Coleoptera)  
*Spodoptera mauritia acronyctoides* (Lepidoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- POLIANTHES:  
*Coccus viridis* (Homoptera)

## Hosts and Insects—Continued

- POLIANTHES—Continued  
*Haplothrips gowdeyi* (Thysanoptera)
- POLYPODIUM:  
*Ceroplastes rubens* (Homoptera)
- PORTULACA:  
*Haplothrips clarisetis*(?) (Thysanoptera)
- PRIMULA:  
*Trichia striolata* (Mollusca)
- PROSOPIS:  
*Ofatulena duodecimstriata* (Lepidoptera)
- PROTEA:  
*Homothrips distinctus* (Thysanoptera)  
*Selenaspidus silvaticus* (Homoptera)
- PRUNUS AMYGDALUS:  
*Ectomyelois ceratoniae* (Lepidoptera)
- PRUNUS ARMENIACA:  
*Blissus diplopterus* (Hemiptera)
- PRUNUS DOMESTICA:  
*Aspidiotus destructor* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Grapholitha funebrana* (Lepidoptera)
- PRUNUS PERSICA:  
*Ceratitis capitata* (Diptera)  
*Clysiana ambiguella* (Lepidoptera)
- PRUNUS PERSICA VAR. NECTARINA:  
*Ceratitis capitata* (Diptera)  
*Loxostege amitina* (Lepidoptera)
- PRUNUS SP. (cherry):  
*Rhagoletis cerasi* (Diptera)
- PRUNUS SP.:  
*Alsophila membranaria* (Lepidoptera)  
*Kuwanina parva* (Homoptera)
- PSIDIUM:  
*Anastrepha mombinpraeoptans* (Diptera)  
*A. suspensa* (Diptera)  
*Argyresthia eugeniella* (Lepidoptera)  
*Ceratitis capitata* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Pseudococcus lilacinus* (Homoptera)
- PUNICA:  
*Cacoecimorpha pronubana* (Lepidoptera)  
*Ceratitis capitata* (Diptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)  
*Forficula aetolica* (Dermaptera)  
*Orycaenus hyalinipennis* (Hemiptera)
- PYRUS:  
*Anastrepha ludens* (Diptera)  
*Carposina niponensis* (Lepidoptera)  
*Ceratitis capitata* (Diptera)  
*Ectomyelois ceratoniae* (Lepidoptera)
- QUERCUS:  
*Curculio elephas* (Coleoptera)
- RAPHANUS:  
*Phytomyza rufipes* (Diptera)
- RHIZOPHORA:  
*Trogoderma granarium* (Coleoptera)
- RHODODENDRON:  
*Arge similis* (Hymenoptera)  
*Dialeurodes chittendeni* (Homoptera)  
*Drosicha howardi* (tentative) (Homoptera)  
*Gracilaria azaleella* (Lepidoptera)  
*Lygus rugulipennis* (Hemiptera)  
*Phenacoccus rotundus* (tentative) (Homoptera)  
*Taeniothrips picipes* (Thysanoptera)
- RIBES:  
*Lecanium corni* (Homoptera)
- ROSA:  
*Acronicta psi* (Lepidoptera)  
*Ardis sulcata* (Hymenoptera)  
*Arge ochropa* (Hymenoptera)  
*Calocoris hispanicus* (Hemiptera)  
*Cladius pectinicornis* (Hymenoptera)  
*Frankliniella formosae* (Thysanoptera)  
*F. intonsa* (Thysanoptera)  
*F. sulphurea* (Thysanoptera)  
*Helicella maritima* (Mollusca)  
*H. striata* (Mollusca)  
*Limax flavus* (Mollusca)  
*Myzaphis turanica* (Homoptera)  
*Myzus ascalonicus* (Homoptera)  
*Papillifera cinera* (Mollusca)  
*Taeniothrips atratus* (Thysanoptera)  
*Theba pisana* (Mollusca)  
*Thrips flavus* (Thysanoptera)  
*T. major* (Thysanoptera)
- Trichia hispida* (Mollusca)
- ROSACEAE:  
*Ceratitis capitata* (Diptera)
- ROSMARINUS:  
*Helix aperta* (Mollusca)  
*Theba pisana* (Mollusca)
- RUBUS:  
*Asterobemisia carpini* (Homoptera)  
*Retinella hammonis* (Mollusca)
- SACCHARUM:  
*Chilo loftini* (Lepidoptera)  
*Diatraea magnifactella* (Lepidoptera)  
*Opogona sacchari* (Lepidoptera)  
“Targionia” *sacchari* (Homoptera)  
*Trionymus sacchari* (Homoptera)
- SAINTPAULIA:  
*Zonitoides arboreus* (Mollusca)
- SAMANEA:  
*Cryptophlebia ombrodelta* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)
- SCHINUS:  
*Coccus viridis* (Homoptera)
- SELAGINELLA:  
*Drymaeus hepatostomus*(?) (Mollusca)
- SESBANIA:  
*Acanthoscelides griseolus* (Coleoptera)  
*Lampides boeticus* (Lepidoptera)  
*Maruca testulalis* (Lepidoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)
- SOBRALIA:  
*Chrysomphalus umboniferus* (Homoptera)
- SOIL:  
*Arianta arbustorum* (Mollusca)  
*Arion circumscriptus* (Mollusca)  
*A. hortensis* (Mollusca)  
*Capillifera plebeia* (Mollusca)  
*Cecilioides acicula* (Mollusca)  
*Cladius pectinicornis* (Hymenoptera)  
*Cochlicella barbara* (Mollusca)  
*C. ventrosa* (Mollusca)  
*Frankliniella intonsa* (Thysanoptera)  
*Helicella candidula* (Mollusca)  
*H. conspurcata* (Mollusca)  
*H. strinta* (Mollusca)  
*Lamellaxis gracilis* (Mollusca)  
*Leucaspis pusilla* (Homoptera)  
*Macrodera microptenum* (Hemiptera)  
*Ovatus crataegarius* (Homoptera)  
*Papillifera papillaris* (Mollusca)  
*Pheidole megacephala* (Hymenoptera)  
*Poecilozonites bermudensis*(?) (Mollusca)  
*P. circumfirmatus* (Mollusca)  
*Radiodiscus proameri* (Mollusca)  
*Rumina decollata* (Mollusca)  
*Subulina octona* (Mollusca)  
*Thrips flavus* (Thysanoptera)  
*Trichia hispida* (Mollusca)  
*Zonitoides arboreus* (Mollusca)
- SOLANUM MELONGENA:  
*Exptochiomeria confusa* (Hemiptera)  
*Leucinodes orbonalis* (Lepidoptera)  
*Neoleucinodes elegantalis* (Lepidoptera)
- SOLANUM QUITOENSE:  
*Neoleucinodes elegantalis* (Lepidoptera)
- SOLANUM TUBEROSUM:  
*Gnorimoschema plaesiosema* (Lepidoptera)  
*Theba pisana* (Mollusca)
- SORBUS:  
*Argyresthia conjugella* (Lepidoptera)  
*Cenopalpus pulcher* (Acarina)  
*Ceratitis capitata* (Diptera)  
*Opisthographis luteolata* (Lepidoptera)
- SORGHUM:  
*Ostrinia nubilalis* (Lepidoptera)  
*Sesamia cretica* (Lepidoptera)  
*S. nonagriodes* (Lepidoptera)
- SPATHIPHYLLUM:  
*Pinnaspis buxi* (Homoptera)
- SPINACIA:  
*Conotelus mexicanus* (Coleoptera)
- SPONDIAS:  
*Anastrepha mombinpraeoptans* (Diptera)  
*Aspidiotus diffinis* (Homoptera)  
*A. herculeanus* (Homoptera)  
*Chrysomphalus calurus* (Homoptera)

## Hosts and Insects—Continued

## STIPA:

- Helicella pyramidata* (Mollusea)  
*H. striata* (Mollusea)  
*Limothrips consimilis* (Thysanoptera)

## STRELITZIA:

- Pheidole megacephala* (Hymenoptera)

## STRONGYLODON:

- Maruca testulalis* (Lepidoptera)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)

## SYRINGA:

- Adoxophyes reticulana* (Lepidoptera)  
*Rhynchaenus populi* (Coleoptera)

## TAMARINDUS:

- Caryedon gonagra* (Coleoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)

## TERMINALIA:

- Anastrepha mombinpraeoptans* (Diptera)  
*Aspidiotus destructor* (Homoptera)  
*Ceratitis capitata* (Diptera)  
*Dacus dorsalis* (Diptera)  
*Trogoderma granarium* (Coleoptera)

## THEOBROMA:

- Rhipiphorothrips pulchellus* (Thysanoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)

## THUJA:

- Diaspis juniperi* (Homoptera)

## THYMUS:

- Helicella maritima* (Mollusea)

## TILLANDSIA:

- Ozophora consanguineus* (Hemiptera)

## TRICHOPILIA:

- Aspidiotus palmarum* (Homoptera)

## TRIPHASIA:

- Coccus viridis* (Homoptera)

## TRITICUM:

- Eurygaster integriceps* (Hemiptera)  
*Forficula decipiens* (Dermaptera)  
*Trogoderma granarium* (Coleoptera)

## TROPAEOLUM:

- Trichia hispida* (Mollusea)

## TULIPA:

- Monomorium destructor* (Hymenoptera)  
*Philia febrilis* (Diptera)

## VANDA:

- Conotelus mexicanus* (Coleoptera)  
*Dichromothrips corbetti* (Thysanoptera)  
*Epitranus lacteipennis* (Hymenoptera);  
*Genaparlatoria pseudaspidiotus* (Homoptera)  
*Nysius kingbergi* (Hemiptera)  
*Plusia chalcites* (Lepidoptera)  
*Taeniothrips hawaiiensis* (Thysanoptera)

## VICIA:

- Bruchus dentipes* (Coleoptera)  
*B. signaticornis* (Coleoptera)  
*Helicella pyramidata* (Mollusea)

## VIGNA:

- Fundella pellucens* (Lepidoptera)

## VIOLA:

- Myzus ascalonicus* (Homoptera)

## VITIS:

- Ceratitis capitata* (Diptera)  
*Clysiana ambiguella* (Lepidoptera)  
*Cryptoblabes gnidiella* (Lepidoptera)  
*Dichelops furcatus* (Hemiptera)  
*Lobesia botrana* (Lepidoptera)  
*Sciocoris fuscosparsus* (Hemiptera)

## YUCCA:

- Chrysomphalus agavis* (Homoptera)  
*Nasutitermes ephratae* (Isoptera)  
*Pseudodiaspis yuccae* (Homoptera)

## ZANTEDESCHIA:

- Frankliniella panamensis* (Thysanoptera)

## ZEA:

- Frankliniella williamsi* (Thysanoptera)  
*Moodna bisinuella* (Lepidoptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Pagiocerus fiorii* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)  
*Zeadiatraea lineolata* (Lepidoptera)

## ZINGIBER:

- Bradybaena similis* (Mollusea)  
 "Targionia" *hartii* (Homoptera)

## ZINNIA:

- Conotelus mexicanus* (Coleoptera)

## ZIZYPHUS:

- Platynota rostrana* (Lepidoptera)

## Hosts Unknown

## AIRPLANE:

- Achaea janata* (Lepidoptera)  
*Adoretus sinicus* (Coleoptera)  
*Ancognatha scarabaeoides* (Coleoptera)  
*Anthela ocellata* (?) (Lepidoptera)  
*Arge pleuritica* (Hymenoptera)  
*Austrotortrix postvittana* (Lepidoptera)  
*Bibio marci* (Diptera)  
*Blosyris scops* (Lepidoptera)  
*Brachybaenus ablutus* (Orthoptera)  
*Characoma albulalis* (?) (Lepidoptera)  
*Chilo zonellus* (Lepidoptera)  
*Chlorotettix tethys* (Homoptera)  
*Conchylodes bryophilalis* (Lepidoptera)  
*Conocephalus longipennis* (Orthoptera)  
*Crocidophora sinisalis* (Lepidoptera)  
*Deloyala guttata* (Coleoptera)  
*Dolerus anthracinus* (Hymenoptera)  
*Elaphidion conspersum* (Coleoptera)  
*Euxoa bilitura* (Lepidoptera)  
*Geotomus pygmaeus* (Hemiptera)  
*Hippotion echeclus* (Lepidoptera)  
*Leucania irregularis* (Lepidoptera)  
*Liogenys macropelma* (Coleoptera)  
*Megachile concinna* (Hymenoptera)  
*Melolontha melolontha* (Coleoptera)  
*Mesapamea secalis* (?) (Lepidoptera)  
*Mesovelia orientalis* (Hemiptera)  
*Mumetopia nigrimana* (Diptera)  
*Nanaguna breviscula* (Lepidoptera)  
*Nephotettix apicalis* (Homoptera)  
*Nomophila noctuella* (Lepidoptera)  
*Nysius coenosulus* (Hemiptera)  
*Oechalia schellenbergi* (Hemiptera)  
*Ortholomus jamaicensis* (Hemiptera)  
*Ostrinia nubilalis* (Lepidoptera)  
*Pachybrachius nietneri* (Hemiptera)  
*Pagoda salvalis* (Lepidoptera)

- Paragonatas divergens* (Hemiptera)  
*Paraponyx fluctuosalis* (Lepidoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Prodenia litura* (Lepidoptera)  
*Schoenobius incertulas* (Lepidoptera)  
*Sesamia inferens* (Lepidoptera)  
*Synriasis diffundens* (Lepidoptera)  
*Talurus rugosus* (Coleoptera)

## AQUATIC PLANT:

- Paulinia acuminata* (Orthoptera)  
*Symphylus ramivittata* (Hemiptera)

## AUTOMOBILE:

- Dysdercus mimulus* (Hemiptera)  
*Helicella variabilis* (Mollusea)  
*Helix aspersa* (Mollusea)  
*Ligyrocoris nitidicollis* (Hemiptera)  
*Lygaeus teapensis* (Hemiptera)  
*Onthophagus taurus* (Coleoptera)  
*Ozophora consanguineus* (Hemiptera)  
*Pyrgocorypha sallei* (Orthoptera)  
*Reticulitermes flavipes* (Isoptera)  
*Theba pisana* (Mollusea)

## BAGGAGE:

- Achatina fulica* (Mollusea)  
*Adoretus sinicus* (Coleoptera)  
*Clerada apicicornis* (Hemiptera)  
*Forficula senegalensis* (Dermaptera)  
*Geotomus pygmaeus* (Hemiptera)  
*Helicella variabilis* (Mollusea)  
*Helix aspersa* (Mollusea)  
*H. cincta* (Mollusea)  
*Nasutitermes rippertii* (Isoptera)  
*Orthalicus undatus jamaicensis* (Mollusea)  
*Otala vermiculata* (Mollusea)  
*Rhaphigaster nebulosa* (Hemiptera)  
*Sesamia nonagrioides* (Lepidoptera)  
*Theba pisana* (Mollusea)  
*Zachrysis guanensis* (Mollusea)

## Hosts Unknown—Continued

## BAGGING:

- Caryedon gonagra* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## BARK:

- Pityogenes chalcographus* (Coleoptera)

## BULB:

- Cecilioides acicula* (Mollusca)  
*Odonaspis saccharicaulis* (Homoptera)

## CARGO:

- Archachatina marginata* (Mollusca)  
*Chilo suppressalis* (Lepidoptera)  
*Coryzorhaphis cruciata* (Hemiptera)  
*Deilephila nerii* (Lepidoptera)  
*Dysdercus mimus*(?) (Hemiptera)  
*Helicella variabilis* (Mollusca)  
*Hoterodes ausonia* (Lepidoptera)  
*Lyctus brunneus* (Coleoptera)  
*Lygaeus cruentatus* (Hemiptera)  
*L. modestus* (Hemiptera)  
*Megasoma elephas* (Coleoptera)  
*Membracis mexicana* (Homoptera)  
*Nasutitermes mexicanus* (Isoptera)  
*Neoclytus acuminatus* (Coleoptera)  
*Otala lactea* (Mollusca)  
*Pachybrachius albocinctus* (Hemiptera)  
*Rhynchophorus palmarum* (Coleoptera)  
*Sirex juvencus* (Hymenoptera)  
*Theba pisana* (Mollusca)  
*Trogoderma granarium* (Coleoptera)  
*Tropidacris latreillei* (Orthoptera)

## CONIFER:

- Blastophagus piniperda* (Coleoptera)

## DEBRIS:

- Nasutitermes ephratae* (Isoptera)  
*Penichroa fasciata* (Coleoptera)  
*Potosi opaca* (Coleoptera)  
*Trogoderma granarium* (Coleoptera)

## DUNNAGE:

- Plagionotus arcuatus* (Coleoptera)

## FERN:

- Pheidole megacephala* (Hymenoptera)

## FISH MEAL:

- Ochterus marginatus* (Hemiptera)

## FLOWERS:

- Adoretus sinicus* (Coleoptera)  
*Corythaica cyathicollis* (Hemiptera)  
*Frankliniella formosae* (Thysanoptera)  
*F. intonsa* (Thysanoptera)  
*F. tenuicornis* (Thysanoptera)  
*Haplothrips aculeatus* (Thysanoptera)  
*H. gowdeyi* (Thysanoptera)  
*Helix aspersa* (Mollusca)  
*Oulema gallaeciana* (Coleoptera)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Prodenia litura* (Lepidoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)  
*Spanioneura fonscolombei* (Homoptera)  
*Taeniothrips atratus* (Thysanoptera)  
*T. dianthi* (Thysanoptera)  
*T. hawaiiensis* (Thysanoptera)  
*Theba pisana* (Mollusca)  
*Thrips angusticeps* (Thysanoptera)  
*T. flavus* (Thysanoptera)  
*T. imaginis* (Thysanoptera)  
*T. major* (Thysanoptera)  
*Xiphidiopsis lita* (Orthoptera)

## FOOD:

- Monomorium destructor* (Hymenoptera)  
*Nasutitermes exitiosus* (Isoptera)  
*Pheidole megacephala* (Hymenoptera)

## FRUIT—UNIDENTIFIED:

- Aspidiotus herculeanus* (Homoptera)  
*Peritrechus nubilus* (Hemiptera)

## GRAIN:

- Trogoderma granarium* (Coleoptera)

## GRASS:

- Clerada apicicornis* (Hemiptera)

## HERB:

- Corythaica carinata* (Hemiptera)  
*Helicella caperata* (Mollusca)  
*Lamellaxis gracilis* (Mollusca)  
*Theba pisana* (Mollusca)

## KARAYA GUM:

- Trogoderma granarium* (Coleoptera)

## LEAF—UNIDENTIFIED:

- Arion ater* (Mollusca)  
*Chrysomphalus personatus* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Selenothrips rubrocinctus* (Thysanoptera)  
*Xiphidiopsis lita* (Orthoptera)

## LEGUME:

- Acanthoscelides spinipes* (Coleoptera)  
*Ectomyelois ceratoniae* (Lepidoptera)

## LOG:

- Megacyllene spinifera* (Coleoptera)

## MAIL:

- Helix leucorum* (Mollusca)  
*H. pomatia* (Mollusca)  
*Monomorium destructor* (Hymenoptera)

## MILITARY CARGO:

- Achatina fulica* (Mollusca)  
*Anacridium aegyptium* (Orthoptera)  
*Bulimulus fraterculus* (Mollusca)  
*Cepaea nemoralis* (Mollusca)  
*Clausilia lineolata* (?) (Mollusca)  
*Cochlicella barbara* (Mollusca)  
*C. conoidea* (Mollusca)  
*C. ventrosa* (Mollusca)  
*Helicella cespitum* (Mollusca)  
*H. conspurcata* (Mollusca)  
*H. derbentina* (Mollusca)  
*H. maritima* (Mollusca)  
*H. neglecta* (Mollusca)  
*H. protea* (Mollusca)  
*H. pyramidata* (Mollusca)  
*H. striata* (Mollusca)  
*H. variabilis* (Mollusca)  
*H. virgata* (Mollusca)  
*Helix aperta* (Mollusca)  
*H. aspersa* (Mollusca)  
*Hygromia cinctella* (Mollusca)  
*Kaloterms snyderi* (Isoptera)  
*Lygaeus superbus* (Hemiptera)  
*Monacha olivieri* (Mollusca)  
*Otala lactea* (Mollusca)  
*O. vermiculata* (Mollusca)  
*Phalacropterix apiformis* (Lepidoptera)  
*Pieris brassicae* (Lepidoptera)  
*Subulina octona* (Mollusca)  
*Theba pisana* (Mollusca)  
*T. planata* (Mollusca)  
*Trichia hispida* (Mollusca)

## MOLLUSK:

- Theba pisana* (Mollusca)

## NURSERY STOCK:

- Frankliniella intonsa* (Thysanoptera)  
*Limothrips denticornis* (Thysanoptera)  
*Orthops kalmi* (Hemiptera)  
*Taeniothrips atratus* (Thysanoptera)  
*Thrips flavus* (Thysanoptera)  
*T. major* (Thysanoptera)

## MOSS:

- Plinthisus putoni* (Hemiptera)

## PACKING:

- Haplothrips aculeatus* (Thysanoptera)

## PAPER:

- Cryptotermes brevis* (Isoptera)

## PLANT—UNIDENTIFIED:

- Bradybaena similaris* (Mollusca)  
*Cryphula apicata* (Hemiptera)  
*Dendrocoris variegatus* (Hemiptera)  
*Monacha cantiana* (Mollusca)  
*Monophaednoides alternipes* (Hymenoptera)  
*Pentalonia nigronervosa* (Homoptera)  
*Pheidole megacephala* (Hymenoptera)  
*Retinella hammonis* (Mollusca)  
*Stereotydeus mexicanus* (Acarina)  
*Trichia hispida* (Mollusca)

## PLANT MATERIAL:

- Cacoecimorpha pronubana* (Lepidoptera)  
*Haplothrips aculeatus* (Thysanoptera)  
*Limothrips denticornis* (Thysanoptera)  
*Theba pisana* (Mollusca)

## QUARTERS:

- Amphimallon majalis* (Coleoptera)  
*Dyscinetus frater* (Coleoptera)  
*D. laevipunctatus* (Coleoptera)  
*Megalotomus rufipes* (Hemiptera)  
*Otala lactea* (Mollusca)

*Hosts Unknown—Continued*

## QUARTERS—Continued

*Otosema odorata* (Lepidoptera)  
*Tropidacris cristata* (Orthoptera)

## RAILWAY CAR:

*Dysdercus mimulus* (Hemiptera)  
*D. obliquus* (?) (Hemiptera)  
*Reticulitermes flavipes* (Isoptera)

## ROOTS—UNIDENTIFIED:

*Chondrula pupa* (?) (Mollusca)

## STORES:

*Acanthoscelides armitagei* (?) (Coleoptera)  
*Acrolepia assectella* (Lepidoptera)  
*Caryedon gonagra* (Coleoptera)  
*Gnorimoschema ocellatella* (Lepidoptera)  
*Helix aspersa* (Mollusca)  
*H. pomatia* (Mollusca)  
*Theba pisana* (Mollusca)  
*Trogoderma granarium* (Coleoptera)

## STRAW:

*Harmolita ips* (Hymenoptera)  
*Pyrrhocoris apterus* (Hemiptera)

## SUCCULENT:

*Cardiophorus histrio* (Coleoptera)  
*Contigaspis indogoferae* (Homoptera)

## TWIG—UNIDENTIFIED:

*Lecanium rufulum* (Homoptera)

## WOOD:

*Callidium rufipenne* (Coleoptera)  
*Heterobostrychus aequalis* (Coleoptera)  
*Lyctus africanus* (Coleoptera)  
*Minthea rugicollis* (Coleoptera)  
*Nothorhina muricata* (Coleoptera)  
*Sinoxylon anale* (Coleoptera)  
*S. conigerum* (Coleoptera)  
*Xylopsocus capucinus* (Coleoptera)

## Countries of Origin and Insects

- AFGHANISTAN:  
*Megastigmus pistaciae*
- AFRICA (country(?)):  
*Deilephila nerii*  
*Forficula senegalensis*
- ALGERIA:  
*Helix aspersa*  
*H. pomatia*  
*Parlatoria zizyphus*
- AMERICAN SAMOA:  
*Frankliniella formosae*  
*Pentalonia nigronervosa*  
*Pheidole megacephala*  
*Unaspis citri*
- AMERICAN VIRGIN ISLANDS:  
*Aspidiotus destructor*  
*Lepidosaphes tokionis*  
*Parlatoria crotonis*  
*Vinsonia stellifera*
- ANGOLA:  
*Maruca testulalis*
- ANTIGUA:  
*Corythaica cyathicollis*  
*Cylas formicarius elegantulus*  
*Ortholomus jamaicensis*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Vinsonia stellifera*
- ARGENTINA:  
*Brevipalpus obovatus*  
*Ceratitis capitata*  
*Chrysomphalus paulistus* (tentative)  
*C. personatus*  
*Ctenoglyphus plumiger*  
*Dichelops furcatus*  
*Laspeyresia araucaria*  
*Megacyllene spinifera*  
*Parlatoria cinerea*  
*Pseudaonidia trilobitiformis*  
*Unaspis citri*
- ARUBA:  
*Lamellaxis gracilis*  
*Zonitoides arboreus*
- AUSTRALIA:  
*Anthela ocellata*  
*Frankliniella schultzei*  
*Haplothrips gowdeyi*  
*Lecanium persicae* (tentative)  
*Nasutitermes exitiosus*  
*Taeniothrips hawaiiensis*  
*Thrips imaginis*  
*Tranes internatus*  
*Trichia hispida*  
*Unaspis yanonensis*
- AUSTRIA:  
*Helix pomatia*  
*Trichia striolata*
- AZORES:  
*Bruchus tristis*  
*Cecilioides acicula*  
*Ceratitis capitata*  
*Cochlicella ventrosa*  
*Ectomyelois ceratoniae*  
*Helicella striata*  
*Helix aspersa*  
*Limax marginatus*  
*Milax gagates*  
*Opogona sacchari*  
*Onthophagus taurus*  
*Oxychilus alliarius*  
*Pieris brassicae*  
*Plinthinus brevipennis*  
*Sesamia nonagrioides*  
"Targionia" bromiliae  
*Theba pisana*
- BAHAMAS:  
*Aspidiotus destructor*  
*Ectomyelois ceratoniae*  
*Hemiteochus androsi*  
*Monomorium destructor*  
*Nasutitermes rippertii*  
*Ogdoecosta guttifera*  
*Polygyra bahamensis*  
*Protopulvinaria pyriformis*  
*Schasicheila bahamensis*
- Vinsonia stellifera*  
*Zadiatraea lineolata*
- BARBADOS:  
*Anastrepha mombinpraeoptans*  
*Corythaica carinata*  
*Pectinophora gossypiella*  
*Trionymus sacchari*
- BELGIUM:  
*Gracilaria azaleella*  
*Pieris brassicae*  
*Trichia hispida*  
*Trogoderma granarium*
- BERMUDA:  
*Bradybaena similis*  
*Cochlicella ventrosa*  
*Otala vermiculata*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Poecilozonites bermudensis*(?)  
*P. circumfirmatus*  
*Rumina decollata*
- BOLIVIA:  
*Oxycarenum hyalinipennis*  
*Pseudoparlatoria ostreata*
- BRAZIL:  
*Aspidiotus mendax*  
*Asterolecanium epidendri*  
*Ceratitis capitata*  
*Cerconota anonella*  
*Chrysomphalus personatus*  
*Coccus alpinus*  
*Coptotermes testaceus*  
*Eurytoma orchidearum*  
*Eusepes postfasciatus*  
*Heterotermes convexinotatus*  
*Laspeyresia araucaria*  
*Leucoptera coffeella*  
*Maruca testulalis*  
*Nasutitermes corniger*  
*Neoleucinodes elegantalis*  
*Parlatoria cinerea*  
*Pheidole megacephala*  
*Pseudaonidia trilobitiformis*  
*Pseudoparlatoria turgida*  
*Rhyacionia buoliana*  
*Stephanoderes hampei*
- BRITISH GUIANA:  
*Parlatoria zizyphus*  
*Vinsonia stellifera*
- BRITISH HONDURAS:  
*Aleurothrixus myrtacei*  
*Anastrepha mombinpraeoptans*  
*Asterolecanium simile*  
*Cecilioides acicula*  
*Cryphula apicata*  
*Heterotermes convexinotatus*  
*Largus affinis*(?)  
*Mormidea pictiventris*  
*Nasutitermes nigriceps*  
*Nesoecia nigrispina*  
*Opeas pyrgula*  
*Pheidole megacephala*  
*Pseudischnaspis alienus*  
*Stenoma catenifer*  
*Subulina octona*  
*Tenthecoris confusus*  
*Vinsonia stellifera*
- CANADA:  
*Agonopterix costosa*  
*Lecanium corni*  
*Taeniothrips ericae*  
*Zonitoides arboreus*
- CANAL ZONE:  
*Ancylostomia stercorea*  
*Chrysomphalus umboniferus*  
*Cryphula apicata*  
*Exptochiomeria tumens*  
*Lepidosaphes tokionis*  
*Nasutitermes corniger*  
*N. ephratae*  
*Orthalicus undatus*  
*Pinnaspis buxi*  
*Pseudischnaspis alienus*  
*Unaspis citri*  
*Vaginulus occidentalis*  
*Vilja dissimilis*

## Countries of Origin and Insects—Continued

## CANAL ZONE—Continued

*V. divarigata**Vinsonia stellifera*

## CAPE VERDE ISLANDS:

*Opcogona sacchari*

## CAYMAN ISLANDS:

*Aspidiotus destructor**Helicina substriata**Hemitrochus streatori**Pachybrachius intermedius**Pectinophora gossypiella*

## CEYLON:

*Heterobostrychus aequalis**Minthea rugicollis**Sinoxylon conigerum**Trogoderma granarium*

## CHILE:

*Loxostege amitina**Pseudococcus gahani*

## CHINA:

*Parlatoria zizyphus**Planococcus dorsospincus**Trogoderma granarium*

## COLOMBIA:

*Acanthoscelides armitagei**Ancognatha scarabaeoides**Eurytoma orchidearum**Frankliniella panamensis**Gymnandrosoma aurantianum**Iridomyrmex pilifer**Limax marginatus**Lycius brunneus**Minthea rugicollis**Neoleucinodes elegantalis**Stenoma catenifer**Subulina octona**Vaginulus occidentalis*

## COSTA RICA:

*Acentroptera nevermanni**Anastrepha mombinpraeoptans**Aspidiotus destructor**A. excisus**A. palmae**Asterolecanium epidendri**Chrysomphalus nigropunctatus* (tentative)*C. personatus**C. umboniferus**Conchylodes bryophilalis**Drymaeus alternans**Limax marginatus**Membracis mexicana**Pachybrachius albocinctus**Protopulvinaria longivalvata**Pseudischnaspis alienus**Pseudoparlatoria ostreata**Stenoma catenifer**Unaspis citri**Valtissius diversus**Zonitoides arboreus*

## CUBA:

*Aonidiella comperei**Asterolecanium epidendri**A. miliaris miliaris**Chondropoma picta* (?)*Cryptocephalus marginicollis**Cylas formicarius elegantulus**Helicella caperata**Jenneretia multistriata**Kaloterms snyderi**Lamellaxis gracilis**Lepidosaphes crotonis**Odonaspis saccharicaulis**Pectinophora gossypiella**Pheidole megacephala**Protopulvinaria pyriformis**"Targionia" hartii**Theba pisana**Trionymus sacchari**Zachrysia guanensis*

## CURACAO:

*Anastrepha mombinpraeoptans*

## CYPRUS:

*Ceratitis capitata**Dacus oleae*

## CZECHOSLOVAKIA:

*Baris lepidii**Grapholitha funebrana**Laspeyresia splendana**Limothrips denticornis**Rhagoletis cerasi*

## DENMARK:

*Acrolepia assectella**Cladius pectinicornis**Haplothrips aculeatus**Megastigmus strobilobius**Phytomyza rufipes**Thrips major*

## DOMINICA:

*Eucalymnatus tessellatus**Vinsonia stellifera*

## DOMINICAN REPUBLIC:

*Anastrepha mombinpraeoptans**Ancylostomia stercorea**Clerada apicicornis**Cylas formicarius elegantulus**Deloyata guttata**Elaphidion conspersum**Maruca testulalis**Megachile concinna**Mimosestes sallaei**Nasutitermes ephratae**Ozophora quinque maculata**Pectinophora gossypiella**Pentalonia nigronervosa**Selenothrips rubrocinctus**Talponia batesi*

## EAST AFRICA:

*Opogona sacchari*

## ECUADOR:

*Acanthoscelides armitagei**Aleurocanthus woglumi**Ancylostomia stercorea**Asterolecanium epidendri**Bathydema socia**Dysdercus mimus* (?)*Epilachna borealis* var.*Hoterodes ausonia**Lygaeus cruentatus**L. modestus**Metamasius hemipterus sericeus**Monomorium destructor**Nasutitermes dendrophilus**Pagiocerus fiorii**Platoeceticus symmicta**Porphyrobaphe iostoma**Rhynchophorus palmarum**Stenoma catenifer**Tropidacris cristata**T. latreillei*

## EL SALVADOR:

*Anastrepha mombinpraeoptans**A. serpentina**Ancylostomia stercorea**Aspidiotus herculeanus**Aulacaspis tubercularis**Chrysomphalus umboniferus**Pseudischnaspis alienus**P. longissima**Protopulvinaria pyriformis**Stenoma catenifer**Unaspis citri**Vaginulus occidentalis* (?)*Zonitoides arboreus*

## ENGLAND:

*Adelphocoris lineolatus**Argyresthia conjugella**Arion hortensis**Bruchus ervi**Cladius pectinicornis**Dialeurodes chittendeni**Eriophyes canestrinii**Frankliniella intonsa**Helicella caperata**Iridothrips iridis**Laspeyresia nigricana**Leucoptera scitella**Lobesia botrana**Lygus rugulipennis**Macrodera microptenum**Milax gagates**Myzus ascalonicus**Orthotylus ericetorum*

## Countries of Origin and Insects—Continued

## ENGLAND—Continued

*Phytomyza rufipes*  
*Rhinocola ericae*  
*Spanioneura fonscolombeii*  
*Steneotarsonemus laticeps*  
*Taeniothrips atratus*  
*T. dianthi*  
*T. picipes*  
*Thrips angusticeps*  
*T. flavus*  
*T. major*  
*Trichia hispida*  
*T. striolata*  
*Trogoderma granarium*  
*Udea ferrugalis*

## ENIWETOK:

*Furcaspis oceanica*

## ETHIOPIA:

*Ceratitidis capitata* (?)  
*C. colae*  
*Cryptophlebia leucotreta*  
*Goniogaster variicolor*

## FEDERATION OF MALAYA:

*Monomorium destructor*

## FIJI:

*Coccus viridis*  
*Morganella longispina*  
*Pheidole megacephala*  
*Pulvinaria psidii*  
*Trionymus sacchari*

## FINLAND:

*Taeniothrips atratus*

## FORMOSA:

*Antonina graminis*  
*Aulacaspis tubercularis*  
*Frankliniella formosae*  
*Genaparlatoria pseudaspidotus*  
*Haplothrips gowdeyi*  
*Parlatoria zizyphus*  
*Prodenia litura*  
*Tetraleurodes graminis*  
*Trogoderma granarium*

## FRANCE:

*Acrolepia assectella*  
*Aleyrodes lonicerae*  
*Arion ater*  
*A. hortensis*  
*Asterobemisia carpini*  
*Autographa gamma*  
*Bibio marci*  
*Bruchidius lividimanus*  
*Cacoecimorpha pronubana*  
*Calocoris hispanicus*  
*Cepaea nemoralis*  
*Clausilia lineolata* (?)  
*Cochlicella barbara*  
*Cryptoblabes gnidiella*  
*Curculio nucum*  
*Diaspis minima*  
*Dolerus anthracinus*  
*Evergestis forficulis*  
*Forficula decipiens*  
*Frankliniella intonsa*  
*Gonocerus insidiator*  
*Harmolita ips*  
*Helicella maritima*  
*H. striata*  
*H. variabilis*  
*Helix aspersa*  
*Hygromia cinctella*  
*Laspeyresia splendana*  
*Mamestra brassicae*  
*Melolontha melolontha*  
 "Microporus" *nigritus*  
*Myzus ascalonicus*  
*Otala lactea*  
*Ovatus crataegarius*  
*Palpita unionalis*  
*Parlataria zizyphus*  
*Peritrechus sylvestris*  
*Philaenus leucophthalmus*  
*Pseudococcus gahani*  
*Psylla melanoneura* (?)  
*Retinella hammonis*  
*Rhagoletis cerasi*

*Rhyparochromus immaculatus*  
*Sesamia cretica*  
*Stygnocoris fuliginosus*  
*Theba pisana*  
*Thrips flavus*  
*Trichia hispida*  
*Trogoderma granarium*  
*Udea ferrugalis*  
*Vitina diaphana*  
*Zonitoides arboreus*

## FRANCE(?):

*Arge pleuritica*

## FRENCH POLYNESIA:

*Parlatoria crotonis*

## GERMANY:

*Ardis sulcata*  
*Arianta arbustorum*  
*Arion circumscriptus*  
*A. hortensis*  
*Aspidiotus palmae*  
*Cecilioides acicula*  
*Cladius pectinicornis*  
*Dialeurodes chittendeni*  
*Evergestis forficulis*  
*Frankliniella intonsa*  
*Helix aperta*  
*Lecanium corni*  
*Lygus rugulipennis*  
*Mamestra brassicae*  
*Monacha cantiana*  
*Myzus ascalonicus*  
*Pieris brassicae*  
*Pityogenes chalcographus*  
*Retinella hammonis*  
*Rhagoletis cerasi*  
*Rhinocola ericae*  
*Taeniothrips atratus*  
*Thrips flavus*  
*Trichia hispida*  
*Zonitoides arboreus*

## GREECE:

*Acanthoscelides spinipes*  
*Bruchus ervi*  
*Ceratitidis capitata*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Ectomyelois ceratoniae*  
*Forficula aetolica*  
*Helicella maritima*  
*H. pyramidata*  
*H. striata*  
*Helix aspersa*  
*H. cincta*  
*Laspeyresia splendana*  
*Limax flavus*  
*Otala vermiculata*  
*Pyrhocoris apterus*  
*Schneidereria pistaciella*  
*Sesamia cretica*  
*Trogoderma granarium*

## GRENADA:

*Maruca testulalis*

## GUADELOUPE:

*Haplothrips gowdeyi*  
*Selenothrips rubrocinctus*

## GUAM:

*Agonoxena pyrogramma*  
*Anaballus amplicollis*  
*Dacus dorsalis*  
*Parlataria zizyphus*  
*Pentalonia nigronervosa*  
*Pseudococcus palmarum*

## GUATEMALA:

*Anastrepha ludens*  
*A. mombinpraeoptans*  
*Aspidiotus palmae*  
*Chrysomphalus calurus*  
*C. umboniferus*  
*Cleistolophus similis*  
*Cryphula apicata*  
*Drymaeus alternans*  
*Exptochiomeria albomaculata*  
*Heterotermes convexinotatus*  
*Iridomyrmex iniquus*  
*Neocyclotus dysoni cookei*



## Countries of Origin and Insects—Continued

## GUATEMALA—Continued

*Neolobophora inopinata*  
*Orthalicus decolor*  
*Platoeceticus symmicta*  
*Pseudoparlatoria ostreata*  
*Puto ulter*  
*Selenothrips rubrocinctus*  
*Tenthecoris vestitus*  
*Zeadiatraea lineolata*  
*Zonitoides arboreus*

## HAITI:

*Anastrepha mombinpraeoptans*  
*Ancylostomia stercorea*  
*Corythaica carinata*  
*Haplothrips gowdeyi*  
*Helix aspersa*  
*Mimosestes sallaei*  
*Pectinophora gossypiella*  
*Platynota rostrana*  
*Vaginulus occidentalis* (?)

## HAITI(?):

*Cylas formicarius elegantulus*

## HAWAII:

*Achaea janata*  
*Achatina fulica*  
*Adoretus sinicus*  
*Apomecyna saltator*  
*Araecerus levipennis*  
*Asterolecanium pseudomiliaris*  
*Bradybaena similaris*  
*Ceratitis capitata*  
*Ceroplastes rubens*  
*Clerada apicicornis*  
*Coccus viridis*  
*Conoderus exsul*  
*Conotelus mexicanus*  
*Cryptophlebia ombrodelta*  
*Cryptotermes brevis*  
*Dacus dorsalis*  
*Dendrothripoides ipomeae*  
*Dialeurodes kirkaldyi*  
*Dichromothrips corbeti*  
*Diocalandra taitensis*  
*Ectomyelois ceratoniae*  
*Epitranus lacteipennis*  
*Eurytoma orchidearum*  
*Euscepes postfasciatus*  
*Genaparlatoria pseudaspidiotus*  
*Geotomus pygmaeus*  
*Lampides boeticus*  
*Lepidosaphes tokionis*  
*Maruca testulalis*  
*Megacerus alternatus*  
*Monomorium destructor*  
*Nysius coenosulus*  
*N. kingbergi*  
*Parlatoria crotonis*  
*P. zizyphus*  
*Pealius hibisci*  
*Pectinophora gossypiella*  
*Pentalonia nigronervosa*  
*Pheidole megacephala*  
*Pinnaspis buxi*  
*P. uniloba*  
*Plusia chalcites*  
*Pseudococcus palmarum*  
*Pulvinaria psidii*  
*Selenothrips rubrocinctus*  
*Siphanta acuta*  
*Spodoptera mauritia acronyctoides*  
*Sternochetus mangiferae*  
*Taeniothrips hawaiiensis*  
*T. vitticornis*  
*Xiphidiopsis lita*  
*Xystrocera globosa*

## HONDURAS:

*Aeolus pictus*  
*Anastrepha mombinpraeoptans*  
*Antiteuchus panamensis*  
*Bulimulus unicolor*  
*Cerconota anonella*  
*Chrysomphalus umboniferus*  
*Coryzorhaphis cruciata*  
*Cryphula apicata*  
*Drymaeus alternans*

*Galgupha quadrisignata*  
*Malacorhinus foveipennis*  
*Nasutitermes corniger*  
*N. ephratae*  
*Orthalicus obductus*  
*Paroecanthus annulatus*  
*Pentalonia nigronervosa*  
*Pheidole megacephala*  
*Stenoma catenifer*  
*Subulina octona*  
*Veronicella moreleti*  
*Vilga dissimilis*  
*Vinsonia stellifera*  
*Zygospila bigenera*

## HONG KONG:

*Frankliniella formosae*  
*Lepidosaphes tuberculata*  
*Monomorium destructor*  
*Parlatoria zizyphus*  
*Taeniothrips gracilis*  
*"Targionia" hartii*  
*Trogoderma granarium*  
*Unaspis yanonensis*

## HUNGARY:

*Grapholitha janthiana*

## ICELAND:

*Frankliniella intonsa*  
*Haplothrips aculeatus*  
*Taeniothrips atratus*

## INDIA:

*Callosobruchus analis*  
*Caryedon gonagra*  
*Lyctus africanus*  
*Minthea rugicollis*  
*Monomorium destructor*  
*Pectinophora gossypiella*  
*Sinoxylon anale*  
*S. conigerum*  
*Trionymus sacchari*  
*Trogoderma granarium*

## INDONESIA:

*Heterobostrychus aequalis*  
*Morganella longispina*  
*Pulvinaria psidii*  
*Trogoderma granarium*  
*Xylopsocus capucinus*

## IRAN:

*Cecilioides acicula*  
*Parlatoria zizyphus*  
*Trogoderma granarium*

## IRELAND:

*Arion hortensis*  
*Mesapamea secalis* (?)  
*Rhinocola ericae*  
*Steneotarsonemus laticeps*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*  
*Trichia hispida*  
*T. striolata*

## ISRAEL:

*Ceratitis capitata*  
*Cryptoblabes gnidiella*  
*Eurygaster integriceps*  
*Frankliniella intonsa*  
*Macroscltus brunneus*  
*Myzaphis turanica*  
*Oxycarenus hyalinipennis*  
*Prodenia litura*  
*Taeniothrips discolor* (tentative)  
*Theba pisana*

## ITALY:

*Acrolepia assectella*  
*Anacridium aegyptium*  
*Anuraphis apiifolia*  
*A. cardui*  
*Arion ater*  
*Brachycerus albidentatus*  
*Bruchus dentipes*  
*B. ervi*  
*B. lentis*  
*B. signaticornis*  
*B. tristis*  
*Cacoecimorpha pronubana*  
*Capillifera plebeia*

## Countries of Origin and Insects—Continued

## ITALY—Continued

*Cecilioides acicula*  
*Cenopalpus pulcher*  
*Ceratitidis capitata*  
*Ceutorhynchus pleurostigma*  
*Chondrula pupa*(?)  
*Clysiana ambiguella*  
*Cochlicella barbara*  
*C. ventrosa*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*C. nucum*  
*Dacus oleae*  
*Diaspis minima*  
*Ectomyelois ceratoniae*  
*E. phoenicis*(?)  
*Ephestia calidella*  
*Euphyllura olivina*  
*Evergestis forficalis*  
*Gnorimoschema ocellatella*  
*Gortyna flavago*  
*Helicella candidula*  
*H. conspurcata*  
*H. itala*  
*H. maritima*  
*H. pyramidata*  
*H. striata*  
*H. trochoides*  
*H. variabilis*  
*Helix aperta*  
*H. aspersa*  
*H. leucorum*  
*Heterogenea asella*  
*Hygromia cinctella*  
*Laspeyresia nigricana*  
*L. splendana*  
*Lepidosaphes ficus*  
*Leucoptera scitella*  
*Limax marginatus*  
*Limothrips consimilis*  
*Lobesia botrana*  
*Mamestra brassicae*  
*Monacha carthusiana*  
*Ostrinia nubilalis*  
*Otala lactea*  
*O. vermiculata*  
*Oulema melanopa*  
*Papillifera cinera*  
*P. papillaris*  
*Parlatoria zizyphus*  
*Phalacropterix apiformis*  
*Pieris brassicae*  
*Plinthisus putoni*  
*Prays oleellus*  
*Psylla pyri*  
*Rhagoletis cerasi*  
*Rhaphigaster nebulosa*  
*Roucasia ovata*  
*Sesamia cretica*  
*Sinoxylon sexdentatum*  
*Sterrha inquinata*  
*Systole albipennis*  
*Theba pisana*  
*Thrips major*  
*Trichia striolata*  
*Trogoderma granarium*  
*Udea ferrugalis*

## JAMAICA:

*Acanthoscelides armitagei*  
*Aganactesis indecora*  
*Anastrepha mombinpraeoptans*  
*A. suspensa*  
*Ancylostomia stercorea*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Coryda nemoraloides*  
*Diaphania indica*  
*Ectomyelois ceratoniae*  
*Fundella pellucens*  
*Helicina neritella*  
*Nasutitermes nigriceps*  
*Orthalicus undatus*  
*O. undatus jamaicensis*  
*Pectinophora gossypiella*  
*Protopulvinaria longivalvata*

*Pseudophasma cyllarus*  
*Subulina octona*  
*Vinsonia stellifera*

## JAPAN:

*Aleurotrachelus camelliae*  
*Alsophila membranaria*  
*Aonidiella citrina*  
*Arge similis*  
*Aspidiotus destructor*  
*A. palmae*  
*Aulacaspis ericacearum* (tentative)  
*Callidium rufipenne*  
*Carposina niponensis*  
*Chilo suppressalis*  
*Chrysomphalus nulliporus*  
*Dichocrocis punctiferalis*  
*Drosicha howardi* (tentative)  
*Frankliniella formosae*  
*Glycyphagus michaeli*  
*Haplothrips gowdeyi*  
*Kuwanina parva*  
*Lampides boeticus*  
*Lepidosaphes celtis*  
*L. conchiformoides*  
*Limax marginatus*  
*Lyctus africanus*  
*Mamestra brassicae*  
*Maruca testulalis*  
*Matsumuraeses phaseoli*  
*Monomorium destructor*  
*Morganella longispina*  
*Nipponaclerda biwakoensis*  
*Oligonychus perditus*  
*Ostrinia nubilalis*  
*Parlatoria cinerea*  
*P. citri*  
*P. zizyphus*  
*Pentalonia nigronervosa*  
*Pentamerismus oregonensis*  
*Petrova cristata*  
*Pheidole megacephala*  
*Phenacoccus rotundus* (tentative)  
*Prodenia litura*  
*Pseudococcus citriculus*  
*Schoenobius incertulus*  
*Sclerocona acutellus*  
*Sesamia inferens*  
*Sirix juvencus*  
*Stephanitis nashi*  
*Rhophobota naevana*  
*Taeniothrips gracilis*  
*T. hawaiiensis*  
*Tetraleurodes aucubae*  
*Tetranychus cinnabarinus*  
*Thrips flavus*  
*Unaspis yanonensis*  
*Zonitoides arboreus*

## JAPAN(?):

*Crocidophora sinisalis*  
*Oechalia schellenbergi*  
*Paraponyx fluctuosalis*

## JOHNSTON ISLAND:

*Leucania irregularis*

## JORDAN:

*Leucaspis pusilla*

## KENYA:

*Cecilioides aperta*(?)

## KOREA:

*Trogoderma granarium*

## KUWAIT:

*Trogoderma granarium*

## KWAJALEIN:

*Furcaspis oceanica*  
*Lepidosaphes esakii*

## LEBANON:

*Ceratitidis capitata*  
*Dacus oleae*  
*Lobesia botrana*  
*Phloeotribus scarabaeoides*  
*Prays oleellus*  
*Schneidereria pistaciella*

## LIBERIA:

*Akermes andersoni*  
*Stephanoderes hampei*

## Countries of Origin and Insects—Continued

## LIBYA:

*Cochlicella barbara*  
*Otala vermiculata*  
*Subulina octona*  
*Theba pisana*

## LITHUANIA:

*Curculio nucum*

## MARSHALL ISLANDS:

*Furcaspis oceanica*

## MAURITIUS:

*Vinsonia stellifera*

## MEXICO:

*Acanthoscelides griseolus*  
*Aleurocanthus woglumi*  
*Alpheias conspirata*  
*Althos obscurus*  
*Amitermes wheeleri*  
*Amnestus uhleri*  
*Anastrepha ludens*  
*A. mombinpraeoptans*  
*Ancylostomia stercorea*  
*Antillocoris punctatus*  
*Apion griseum*  
*Arphnus melanotylus*  
*Aspidiotus destructor*  
*A. diffinis*  
*A. palmae*  
*Asterolecanium bambusae*  
*Atheas nigricornis*  
*Batrachedra linaria*  
*Brachybaenus ablutus*  
*Bulimulus hepatostomus*  
*Capaneus tetricus*  
*Caulotops distanti*  
*Cerotoma atrofasciata*  
*Chilo loftini*  
*Chrysomphalus agavis*  
*C. personatus*  
*C. sphaerioides*  
*C. tenax*  
*C. tingi*  
*C. umboniferus*  
*Conotelus mexicanus*  
*Conotrachelus aguacatae*  
*C. perseae*  
*Corythucha mcelfreshi*  
*Cosmopolites sordidus*  
*Cryphula apicata*  
*Dendrocoris variegatus*  
*Diatraea magnifactella*  
*Drymaeus cuernavacensis*  
*D. hegewischi*  
*D. hepatostomus(?)*  
*D. heynemanni*  
*D. rudis*  
*Dyscinetus frater*  
*D. laevipunctatus*  
*Dysdercus mimulus*  
*D. obliquus(?)*  
*Epinotia aporema*  
*Eucalymnatus tessellatus*  
*Eucheira socialis*  
*Eurytoma orchidearum*  
*Eustrophinus marginatus*  
*Ethelema sobrina*  
*Everes comyntas*  
*Exptochiomera albomaculata*  
*E. confusa*  
*E. formosa*  
*Epinotia aporema*  
*Fiorinia theae*  
*Frankliniella williamsi*  
*Galgupha punctifer*  
*G. quadrisignata*  
*Gnorimoschema gudmannella*  
*Grapholitha packardi*  
*Gymnococcus agavium*  
*Haplothrips clarisetis(?)*  
*H. gowdeyi*  
*Helicina durangoana(?)*  
*H. oweniana(?)*  
*H. zephyrina*  
*Helix aspersa*  
*Heterotermes convexinotatus*  
*H. maculatus*

*Jadera sanguinolenta*  
*Lamellaxis micra*  
*Lepidosaphes carinata*  
*L. philococcus*  
*Leucoptera coffeella*  
*Ligyrocoris aurivilliana*  
*L. nitidicollis*  
*Limax marginatus*  
*Loxostege bifidalis*  
*L. similalis*  
*Lygaeus teapensis*  
*Lygus lineolaris*  
*Melanaethus planifrons*  
*Membracis mexicana*  
*Micrarionta stearnsiana*  
*Monanthia monotropidia*  
*Moodna bisinuella*  
*Mormidea pictiventris*  
*Myodocha longicollis*  
*Nasutitermes mexicanus*  
*Neodoxoplatys saileri*  
*Neoclytus acuminatus*  
*Neoleucinodes elegantalis*  
*Nysius tenellus*  
*Ofatulena duodecimstriata*  
*Oplomus nigripennis pulcher*  
*Opuntiaspis philcoccus*  
*Orthalicus boucardi*  
*Orthezia pseudinsignis*  
*Ozophora consanguineus*  
*Pachybrachius albocinctus*  
*Paragonatus divergens*  
*Parlatoria cinerea*  
*Parisoschoenus flavolimbatus*  
*Pectinophora gossypiella*  
*Plagiodera punctigera*  
*Platynota rostrana*  
*Platypus rugulosus*  
*Plectia plagiata*  
*Polygyra matermontana*  
*P. richardsoni*  
*Praticolella ampla*  
*Pseudischnaspis alienus*  
*P. bowreyi*  
*Pseudococcus ferrisi*  
*Pseudodiaspis yuccae*  
*Pulvinaria psidii*  
*Puto mexicanus*  
*Pyrgocorypha sallei*  
*Radiodiscus proameri*  
*Reticulitermes flavipes*  
*Rumina decollata*  
*Sisamnes contractus*  
*Stenomoma catenifer*  
*Stereotydeus mexicanus*  
*Subulina octona*  
*Talponia batesi*  
*"Targionia" bromiliae*  
*Targionia yuccarum*  
*Tenthecoris angustimarginatu*  
*T. confusus*  
*T. distinctus*  
*Teratophyllella fulvioides*  
*Tetranychus cinnabarinus*  
*Trialeurodes similis*  
*T. variabilis*  
*T. vitrinellus*  
*Trioza anceps*  
*Trogoderma granarium*  
*Valtissius diversus*  
*Veronicella moreleti*  
*Yosemitia didactica*  
*Zonitoides arboreus*

## MOROCCO:

*Bulimulus fraterculus*  
*Cochlicella barbara*  
*C. ventrosa*  
*Metopoplax ditomoides*  
*Otala lactea*  
*Theba pisana*

## NETHERLANDS:

*Acrolepia assectella*  
*Adoxophyes reticulana*  
*Arianta arbustorum*

## Countries of Origin and Insects—Continued

## NETHERLANDS—Continued

*Arion ater*  
*Bruchus lentis*  
*Caryedon gonagra*  
*Cecilioides acicula*  
*Cladius pectinicornis*  
*Dialeurodes chittendeni*  
*Diaspis juniperi*  
*Eriophyes canestrinii*  
*Frankliniella intonsa*  
*Gracilaria azaleella*  
*Limothrips denticornis*  
*Mamestra brassicae*  
*Milax gagates*  
*Monophadnoides alternipes*  
*Myzus ascalonicus*  
*Orthops kalmi*  
*Philia febrilis*  
*Rhynchaenus populi*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*  
*T. majer*  
*Trichia hispida*  
*Trogoderma granarium*

## NETHERLANDS (?):

*Ectomyelois ceratoniae*

## NEW GUINEA:

*Coccus viridis*

## NEW ZEALAND:

*Austrotortrix postvittana*  
*Steneotarsonemus laticeps*

## NICARAGUA:

*Acanthoscelides griseolus*  
*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*A. herculeanus*  
*Asterolecanium epidendri*  
*Chlorotettix tethys*  
*Chrysomphalus calurus*  
*Dialeurodes citrifolii*  
*Mumetopia nigrimana*  
*Stenoma catenifer*  
*Talurus rugosus*  
*Vinsonia stellifera*

## NIGERIA:

"*Lecanium*" *catori* (tentative)

## NORTHERN IRELAND:

*Steneotarsonemus laticeps*

## NORWAY:

*Acrolepia assectella*  
*Argyresthia conjugella*  
*Taeniothrips picipes*

## OKINAWA:

*Achatina fulica*  
*Aonidiella inornata*  
*Frankliniella formosae*  
*Haplothrips gowdeyi*  
*Parlatoria zizyphus*  
*Taeniothrips hawaiiensis*

## PAKISTAN:

*Aulacaspis tubercularis*  
*Lyctus africanus*  
*Pectinophora gossypiella*  
*Trogoderma granarium*

## PANAMA:

*Acanthoscelides armitagei*  
*A. griseolus*  
*Ancylostomia stercorea*  
*Anastrepha mombinpraeoptans*  
*Aspidiotus destructor*  
*Asterolecanium epidendri*  
*Conchaspis orchidarum*  
*Lepidosaphes tokionis*  
*Liogenys macropelma*  
*Nasutitermes ephratae*  
*Paragonatus divergens*  
*Parlatoria crotonis*  
*Pinnaspis buxi*  
*Pseudischnaspis alienus*  
*Stenoma catenifer*  
*Teleonemia scrupulosa*  
*Unaspis citri*  
*Vilga dissimilis*

*Vinsonia stellifera*

## PARAGUAY:

*Cerconota anonella*

## PERU:

*Acanthoscelides armitagei*  
*A. griseolus*  
*Aleurodicus iridescens*  
*Asterolecanium epidendri*  
*Chrysomphalus odontoglossi*  
*C. umboniferus*  
*Eusepes postfasciatus*  
*Gnorimoschema borsaniella*  
*G. plaesiosema*  
*Helix aspersa*  
*Lamellaxis gracilis*  
*Limax marginatus*  
*Mecolaemus carvalhoi*  
*Pachybrachius albocinctus*  
*Pseudischnaspis bowreyi*  
*Paulinia acuminata*  
*Symphylus ramivittata*  
*Tenthecoris exitiosus*  
*Terastria meticulosalis*  
*Zonitoides arboreus*

## PERU(?):

*Ceratitidis capitata*  
*Megasoma elephas*

## PHILIPPINES:

*Aleurocanthus citriperdus*  
*Aonidiella inornata*  
*Aspidiotus palmarum*  
*Chilo suppressalis*  
*Conocephalus longipennis*  
*Dacus dorsalis*  
*Dialeurodes kirkaldyi*  
*Frankliniella formosae*  
*Lepidosaphes tubulorum*  
*Maruca testulalis*  
*Monomorium destructor*  
*Parlatoria cinerea*  
*P. citri*  
*P. zizyphus*  
*Pentalonia nigronervosa*  
*Pseudaonidia trilobitiformis*  
*Pseudococcus lilacinus*  
*Rhipiphorothrips pulchellus*  
*Selenothrips rubrocinctus*  
*Taeniothrips hawaiiensis*  
*Unaspis yanonensis*

## PHILIPPINES(?):

*Mesovelia orientalis*  
*Nanaguna breviscula*  
*Nephotettix apicalis*  
*Paraponyx fluctuosalis*

## POLAND:

*Acronicta psi*  
*Aphis callunae*  
*Arge ochropa*  
*Blastodacna atra*  
*Grapholitha funebrana*  
*Haplothrips aculeatus*  
*Limothrips denticornis*  
*Oulema gallaeciana*  
*Tetranychus viennensis*  
*Thrips major*

## PORTUGAL:

*Blastophagus piniperda*  
*Ceratitidis capitata*  
*Curculio elephas*  
*Haplothrips cottei*  
*Helix aspersa*  
*Laspeyresia splendana*  
*Nothorhina muricata*  
*Taeniothrips atratus*  
 "Targionia" *bromiliae*  
*Udea ferrugalis*

## PUERTO RICO:

*Anastrepha mombinpraeoptans*  
*A. suspensa*  
*Argyresthia eugeniella*  
*Cylas formicarius* var.  
*Eusepes postfasciatus*  
*Fundella pellucens*  
*Jadera rufofusca*  
*Lamellaxis gracilis*

## Countries of Origin and Insects—Continued

## PUERTO RICO—Continued

*Maruca testulalis*  
*Pectinophora gossypiella*  
*Pheidole megacephala*  
*Platynota rostrana*  
*Sphenarches caffer*  
*Subulina octona*  
 "Targionia" *sacchari*  
*Toxotrypana curvicauda*  
*Unaspis citri*

## PUERTO RICO(?):

*Megalotomus rufipes*

## REPUBLIC OF SOUTH AFRICA:

*Aonidiella citrina*  
*Asterolecanium euphorbiae*  
*Blissus diplopterus*  
*Cardiophorus histrio*  
*Contigaspis indogoseriae*  
*Cryptophlebia leucotreta*  
*Diaphone eumela*  
*Ectomyelois ceratoniae*  
*Epichorista ionephela*  
*Haplothrips gowdeyi*  
*Homothrips distinctus*  
*Ochterus marginatus*  
*Oxycarenus hyalinipennis*  
*Sciocoris fuscosparsus*  
*Selenaspis silvaticus*  
*Stephanoderes hampei*

## REPUBLIC OF THE CONGO:

*Parlatoria zizyphus*  
*Sculptaria reticulata*

## ST. KITTS:

*Ancylostomia stercorea*  
*Fundella pellucens*

## ST. MARTIN:

*Ancylostomia stercorea*

## SCOTLAND:

*Argyresthia conjugella*  
*Opisthograptis luteolata*  
*Rhinocola ericae*  
*Taeniothrips atratus*  
*T. ericae*  
*Thrips flavus*

## SENEGAL:

*Trogoderma granarium*

## SIERRA LEONE:

*Cylas puncticollis*  
*Trogoderma granarium*

## SINGAPORE:

*Genaparlatoria pseudaspidiotus*  
*Trogoderma granarium*

## SOUTH AMERICA (country(?)):

*Liogenys macropelma*

## SOUTHWEST PACIFIC:

*Hippotion echeclus*

## SPAIN:

*Acrolepia assectella*  
*Anacridium aegyptium*  
*Aonidiella citrina*  
*Archachatina marginata*  
*Bruchus ervi*  
*Ceratitis capitata*  
*Chilo suppressalis*  
*Cochlicella barbara*  
*C. conoidea*  
*C. ventrosa*  
*Cryptoblabes gnidiella*  
*Curculio elephas*  
*Dacus oleae*  
*Dyspessa ulula*  
*Ectomyelois ceratoniae*  
*Helicella cespitum*  
*H. conspurcata*  
*H. maritima*  
*H. neglecta*  
*H. striata*  
*H. variabilis*  
*H. virgata*  
*Helix aspersa*  
*Hispa atra*  
*Laspeyresia splendana*  
*Lecanium rufulum*  
*Lygaeus superbus*  
*Otala vermiculata*

*Rhagoletis cerasi*  
*Taeniothrips atratus*  
*Theba pisana*  
*T. planata*  
*Trichia hispida*

## SUDAN:

*Lyctus africanus*  
*Trogoderma granarium*

## SURINAM:

*Fundella pellucens*  
*Maruca testulalis*

## SWEDEN:

*Eriophyes leionotus*  
*Pityogenes chalcographus*

## SWITZERLAND:

*Cladius pectinicornis*  
*Melolontha melolontha*  
*Stenoptilia stigmatodactyla*  
*Taeniothrips picipes*

## SYRIA:

*Bostrichus capucinus*  
*Penichroa fasciata*

## TAHITI:

*Ceroplastes rubens*  
*Coccus viridis*  
*Dacus oleae*  
*Dialeurodes kirkaldyi*  
*Frankliniella sulphurea*  
*Geotomus pygmaeus*  
*Haplothrips gowdeyi*  
*Morganella longispina*  
*Pentalonia nigronervosa*  
*Prays oleellus*  
*Protopulvinaria longivalvata*  
*Pseudaonidia trilobitiformis*  
*Suidasia medanensis*

## TANGANYIKA:

*Trogoderma granarium*

## THAILAND:

*Pachybrachius nietneri*  
*Parlatoria citri*  
*P. zizyphus*  
*Pectinophora gossypiella*  
*Pinnaspis buxi*  
*Trogoderma granarium*

## TORTOLA:

*Ancylostomia stercorea*  
*Vaginulus occidentalis(?)*

## TRINIDAD:

*Acanthoscelides armitagei*  
*Aganactesis indecora*  
*Campylenchia hastata*  
*Cylas formicarius elegantulus*  
*Eusepes postfasciatus*  
*Maruca testulalis*  
*Parlatoria cinerea*  
*Unaspis citri*  
*Vinsonia stellifera*

## TUNISIA:

*Parlatoria zizyphus*

## TURKEY:

*Bruchus ervi*  
*Ceratitis capitata*  
*Cochlicella ventrosa*  
*Helicella derbentina*  
*H. neglecta*  
*H. protea*  
*H. striata*  
*H. variabilis*  
*Megastigmus suspectus*  
*Monacha olivieri*  
*Otala vermiculata*  
*Pectinophora gossypiella*  
*Thrips major*

## UNION OF SOVIET SOCIALIST

## REPUBLICS:

*Argyresthia conjugella*  
*Ectomyelois ceratoniae*

## UNITED ARAB REPUBLIC:

*Ceratitis capitata*  
*Gnorimoschema ocellatella*  
*Lixus junci*  
*Trogoderma granarium*

## UNKNOWN:

*Acanthoscelides armitagei*

## Countries of Origin and Insects—Continued

## UNKNOWN—Continued

<i>Achaea janata</i>	<i>Pyrrhidium sanguineum</i>
<i>Amphimallon majalis</i>	<i>Rhagoletis cerasi</i>
<i>Aonidiella citrina</i>	<i>Schoenobius incertulas</i>
<i>Blastodacna atra</i>	<i>Sesamia nonagriodes</i>
<i>Blosyris scops</i>	<i>Spanioneura fonscolombeii</i>
<i>Cacoecimorpha pronubana</i>	<i>Taeniothrips atratus</i>
<i>Caryedon gonagra</i>	<i>Theba pisana</i>
<i>Ceratitidis capitata</i>	<i>Thrips angusticeps</i>
<i>Characoma albulalis(?)</i>	<i>T. flavus</i>
<i>Chilo suppressalis</i>	<i>T. major</i>
<i>Chrysomphalus personatus</i>	<i>Trogoderma granarium</i>
<i>Cryptoblabes gnidiella</i>	<i>Unaspis citri</i>
<i>Dacus dorsalis</i>	<i>Unaspis yanonensis</i>
<i>Earias insulana</i>	<i>Vinsonia stellifera</i>
<i>Ectomyelois ceratoniae</i>	VENEZUELA:
<i>Eurytoma orchidearum</i>	<i>Acanthoscelides armitagei</i>
<i>Euxoa bilitura</i>	<i>Anastrepha mombinpraeoptans</i>
<i>Frankliniella formosae</i>	<i>Bephrata maculicollis</i>
<i>F. intonsa</i>	<i>Cylas formicarius elegantulus</i>
<i>F. tenuicornis</i>	<i>Drymaeus multilineatus</i>
<i>Furcaspis oceanica</i>	<i>Lamellaxis gracilis</i>
<i>Gymnandrosoma aurantianum</i>	<i>Nomophila noctuella</i>
<i>Helicella striata</i>	<i>Orthalicus pulchellus protoglyptus</i>
<i>Heliothis armigera</i>	<i>Pseudaonidia trilobitiformis</i>
<i>Helix aspersa</i>	<i>Stenomoma catenifer</i>
<i>Laspeyresia splendana</i>	<i>Synriasis diffundens(?)</i>
<i>Nephotettix apicalis</i>	<i>Tenthecoris venezuelensis</i>
<i>Nomophila noctuella</i>	VIETNAM:
<i>Opogona sacchari</i>	<i>Parlatoria citri</i>
<i>Ostrinia nubilalis</i>	<i>Sinoxylon anale</i>
<i>Otosema odorata</i>	<i>S. conigerum</i>
<i>Pagyda salvalis</i>	WEST AFRICA:
<i>Parlatoria cinerea</i>	<i>Leucinodes orbonalis</i>
<i>P. zizyphus</i>	<i>Stephanoderes hampei</i>
<i>Peritrechus nubilus</i>	<i>Trogoderma granarium</i>
<i>Pheidole megacephala</i>	WEST PACIFIC:
<i>Phytomyza rufipes</i>	<i>Prodenia litura</i>
<i>Pinnaspis buxi</i>	YUGOSLAVIA:
<i>Plagionotus arcuatus</i>	<i>Curculio elephas</i>
<i>Poecilozonites circumfirmatus</i>	<i>Diaspis juniperi</i>
<i>Potosia opaca</i>	<i>Ectomyelois ceratoniae</i>
<i>Pseudococcus boninsis</i>	<i>Frankliniella intonsa</i>
<i>Pulvinaria psidii</i>	<i>Ostrinia nubilalis</i>

## Pests Collected and Reported From July 1, 1961, Through June 30, 1962

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
† <i>Alternaria zinniae</i> Pape: Zinnia sp. (seed)	Canada, Netherlands			2	N.J.
<i>Aphelenchoides fragariae</i> (Ritzema Bos) Christie: <i>Bletilla striata</i> (orchid) stem	Japan			3	N.J.
<i>Aphelenchoides subtenuis</i> (Cobb) Steiner & Buhner: Narcissus sp.	Italy			1	N.Y.
‡ <i>Ascochyta armoraciae</i> Fekl.: <i>Armoracia lapathifolia</i> (horseradish) top	Germany		1		Calif.*
<i>Ascochyta citri</i> Penz.: <i>Citrus aurantium</i> (sour orange) peel	Japan		1		Calif.*
<i>C. grandis</i> (pummelo)	†Formosa		1		Calif.*
<i>C. limon</i> (lemon)	Japan		1		Calif.*
<i>Cercospora angraeci</i> Feuill. & Roum.: <i>Epidendrum</i> sp. (orchid) leaf	Bahamas			1	Fla.
<i>Stanhopea</i> sp. (orchid) leaf	Canal Zone			1	Tex.
‡ <i>Cercospora cupheae</i> Syd.: <i>Cuphea</i> sp. (herbarium specimen)	Mexico	1			Ariz.
‡ <i>Cercospora erythrinae</i> Ell. & Ev.: <i>Erythrina</i> sp. (coralbean) herbarium specimen	do	1			Ariz.
<i>Cercospora odontoglossi</i> Prill. & Del.: Orchid (leaf)	do			2	Tex.
‡ <i>Cercospora populina</i> Ell. & Ev.: <i>Populus</i> sp. (poplar) herbarium specimen	do	1			Ariz.
<i>Cercospora punicae</i> P. Henn.: <i>Punica granatum</i> (pomegranate) fruit and leaf	do	3		1	Tex.
† <i>Cerotelium fici</i> (Butl.) Arth.: <i>Ficus carica</i> (fig)	Dominican Republic	1			P.R.
‡ <i>Chaetopeltopsis tenuissima</i> (Petch) Th.: Orchid	Mexico(?)			1	Ariz.
<i>Spondias cytherea</i> (vi-apple)	Puerto Rico	1			P.R.
<i>S. mombin</i> (yellow mombin)	do	1			P.R.
<i>Chrysomyxa ledi</i> d By. var. <i>rhododendri</i> (d By.) Savile: <i>Rhododendron ferrugineum</i> (rock rhododendron) leaf	Austria, England, Italy, Switzerland, unknown.	16	1	2	N.J., N.Y.
<i>Rhododendron</i> sp.	Austria, Germany, Switzerland.	5			Ill., Mass., N.Y.
† <i>Coniella diplodiella</i> (Speg.) Petr. & Syd.: <i>Citrus aurantifolia</i> (sweet lime)	Mexico	2			Ariz., Tex.
† <i>Coniothecium scabrum</i> McAlp.: <i>Citrus reticulata</i> (Mandarin orange)	Japan	3			Hawaii.
<i>Coniothyria agaves</i> (Dur. & Mont.) Petr. & Syd.: <i>Agave</i> sp.	Mexico			1	Tex.
<i>Coniothyrium cytisellum</i> (Pass. & Thuem.) Sacc.: <i>Laburnum X watereri</i> (Waterer laburnum)	Netherlands			2	N.J.
‡ <i>Coniothyrium trabutii</i> A. Riza: <i>Pelargonium</i> sp. (geranium) leaf	Mexico			1	Tex.
<i>Corynebacterium fascians</i> (Tilford) Dows.: <i>Dahlia</i> hybrid (crown)	Unknown			1	N.J.
‡ <i>Criconema celetum</i> Wu: Soil with <i>Anthurium</i> sp. plant	Mexico			1	Tex.
‡ <i>Criconemoides curvatum</i> Raski: Soil with <i>Begonia</i> sp.	Argentina			1	N.Y.
Soil with unidentified plant	Mexico			1	Ariz.
<i>Criconemoides mutabile</i> Taylor: Soil with plants ( <i>Axonopus</i> sp., <i>Cissus</i> sp., <i>Philodendron</i> sp., and <i>Pinus</i> sp.)	do			4	Ariz., Tex.
‡ <i>Criconemoides peruense</i> (Steiner) Taylor: Soil with <i>Begonia</i> sp.	do			1	Tex.
<i>Cronartium quercuum</i> (Berk.) Shirai: <i>Quercus emoryi</i> (Emory oak)	do	1			Ariz.
<i>Quercus</i> sp. (dry leaf)	Japan		1		N.Y.
<i>Cronartium ribicola</i> Fisch. v. Waldh.: <i>Ribes</i> sp. (currant) leaf	Canada	1			Mass.
<i>Cryptocline paradoxa</i> (de N.) Arx: <i>Hedera helix</i> 'Hibernica' (Irish ivy)	Netherlands			1	N.J.
<i>Cryptospora longispora</i> Servazzi: <i>Araucaria excelsa</i> (Nerfolk-Island-pine) seed	Australia, New Zealand, Norfolk Island.			9	Calif.,* Fla., N.J.

See footnotes at end of table.

## Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Cumminsella mirabilissima</i> (Pk.) Nannf.:					
<i>Mahonia aquifolium</i> (Oregon-grape) leaf	France		1		Mass.
<i>Mahonia</i> sp.	Unknown		2		N.Y.
‡ <i>Cylindrosporium castaneae</i> (Lev.) Krenner:					
<i>Castanea</i> sp. (chestnut) leaf	Italy(?)		1		N.Y.
<i>Cytospora funica</i> Sacc.:					
<i>Punica granatum</i> (pomegranate)	Mexico	1			Tex.
‡ <i>Cytospora translucens</i> Sacc.:					
<i>Salix</i> sp. (willow) basket	Switzerland	1			Mass.
‡ <i>Dendrodochium rubellum</i> Sacc.:					
<i>Chamaedorea ernesti-augustii</i> (seed)	Mexico			1	Calif.
‡ <i>Dendrophoma pulvis-pyrius</i> Sacc.:					
<i>Malus sylvestris</i> (apple)	Italy		1		N.Y.
‡ <i>Diaporthe camelliae</i> F. Tassi:					
<i>Camellia japonica</i> (twig)	New Zealand			1	Fla.
‡ <i>Didymascella (Keithia) thujina</i> (Dur.) Maire:					
<i>Thuja</i> sp. (arborvitae) leaf	Canada			1	N.Y.
<i>Didymellina ornithogali</i> Jacques:					
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) flower and stem.	Republic of South Africa.	2			N.Y.
† <i>Diplodia coccocarpa</i> Sacc.:					
<i>Cocos nucifera</i> (coconut) cap	Nicaragua	1			Calif.*
<i>Diplodia oryzae</i> I. Miyake:					
<i>Oryza sativa</i> (rice) straw	Japan		31		Calif.*
† <i>Diplodina salicis</i> West.:					
<i>Salix</i> sp. (willow) rooted twig	Denmark			1	Pa.
<i>Ditylenchus destructor</i> Thorne:					
<i>Colchicum giganteum</i> (autumn-crocus)	Netherlands			1	N.Y.
<i>Gladiolus nanus</i> 'Blushing Bride'	do			1	N.Y.
<i>Ditylenchus dipsaci</i> (Kühn) Filip.:					
<i>Allium cepa</i> (onion) sets	England			1	N.Y.
<i>A. sativum</i> (garlic)	Mexico	3			Tex.
<i>Narcissus</i> 'Ripple' (bulb)	England			1	N.J.
‡ <i>Dothidella depazeoides</i> (Desm.) Th. & Syd.:					
<i>Buxus</i> sp. (boxwood) foliage	Spain		1		Mass.
<i>Dothiorella pericarpica</i> Sacc.:					
<i>Macrozamia</i> sp. (cycad) seed	Australia			1	Calif.*
<i>Dothiorella phomiformis</i> (Sacc.) Petr. & Syd.:					
<i>Quercus</i> sp. (oak) leaf	Japan		1		N.Y.
‡ <i>Elsinoe ampelina</i> Shear:					
<i>Vitis vinifera</i> (European grape) stem	Germany			1	N.Y.
<i>Vitis</i> sp. (cutting)	Italy			1	N.Y.
<i>Elsinoe australis</i> Bitanc. & Jenkins:					
<i>Citrus aurantifolia</i> (lime)	Argentina, Brazil		7		Calif.,* La., Pa., P.R.
<i>C. limon</i> (lemon)	Argentina, Brazil	1	30		Calif.,* Fla., Ga., Hawaii, La., N.Y., Pa.
<i>C. paradisi</i> (grapefruit)	Argentina, Brazil		5		Calif.,* Fla., Ga., La., Pa.
<i>C. reticulata</i> (Mandarin orange)	Argentina, Brazil, Paraguay, unknown.	6	14		Ariz., Calif.,* Fla., Ga., Hawaii, La., N.Y., Pa.
<i>C. reticulata</i> hybrid	Argentina		2		N.Y.
<i>C. reticulata</i> X <i>C. sinensis</i> (tangor)	do	1	1		N.Y.
<i>C. sinensis</i> (sweet orange)	Argentina, Brazil, Paraguay, unknown, Uruguay.	13	133		Ala., Calif.,* Fla., Ga., Hawaii, La., Md., Mass., Mich., N.Y., Pa., P.R., S.C., Tex.

See footnotes at end of table.



Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Elsinoe mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango)-----	†Dominican Republic, Puerto Rico.	2	1	-----	Pa., P.R.
<i>Elsinoe phaseoli</i> Jenkins: <i>Phaseolus lunatus</i> (lima bean) pod-----	Puerto Rico-----	1	-----	-----	Ill.
<i>Elsinoe piri</i> (Wor.) Jenkins: <i>Malus sylvestris</i> (apple)-----	Spain-----	-----	1	-----	La.
† <i>Fusarium larvarum</i> Fekl.: <i>Zelkova serrata</i> (Japanese zelkova) dwarf tree-----	Japan-----	-----	-----	1	Calif.*
<i>Graphiola borassi</i> Syd. & Butl.: <i>Berassus flabellifera</i> (palmyra palm)-----	India-----	2	-----	-----	N.Y., Tex.
†“Greasy spot”: <i>Citrus reticulata</i> (Mandarin orange) leaf-----	Guadeloupe-----	-----	1	-----	Md.
<i>C. sinensis</i> (sweet orange) leaf-----	Jamaica-----	1	-----	-----	Fla.
<i>Guignardia (Phoma) citricarpa</i> Kiely: <i>Citrus aurantifolia</i> (lime)-----	Australia-----	-----	1	-----	Hawaii.
<i>C. aurantium</i> (sour orange)-----	Japan-----	-----	3	-----	Calif.,* Wash.
<i>C. grandis</i> (pummelo)-----	Formosa, Japan, unknown.	2	2	-----	Calif.,* Mich., N.Y.
<i>C. limon</i> (lemon)-----	Argentina, Australia, Brazil, Formosa, Hong Kong, Japan, Republic of South Africa, Singapore, unknown.	1	62	-----	Calif.,* Fla., Hawaii, Ill., La., Mass., Mich., N.Y., Pa., S.C., Wash.
<i>C. paradisi</i> (grapefruit)-----	Australia, Formosa, Hong Kong, Japan, Republic of South Africa.	1	8	-----	Calif.,* La., Mass., N.Y., Pa., Tex.
<i>C. paradisi</i> X <i>C. reticulata</i> (tangelo)-----	Japan, †Korea-----	2	1	-----	Hawaii.
<i>C. reticulata</i> (Mandarin orange)-----	Australia, China, Formosa, Hong Kong, Japan, †Korea, Okinawa, Philippines, †Tahiti(?), unknown, Vietnam.	90	10	-----	Calif.,* Hawaii, Ill., Mass., N.Y., Wash.
<i>C. sinensis</i> (sweet orange)-----	Argentina, Australia, Brazil, China, Federation of Malaya, Formosa, Hong Kong, Japan, Macao, Mozambique, Okinawa, Philippines, Republic of South Africa, †Tahiti(?), Thailand, unknown.	101	128	-----	Calif.,* Fla., Ga., Hawaii, Ill., La., Md., Mass., Mich., Minn., N.J., N.Y., Ohio, Pa., P.R., S.C., Tex., Wash.
<i>Citrus</i> sp. (dry peel, fruit, and leaf)-----	Asia (country (?)), China, Formosa, Hong Kong, Japan, unknown.	49	2	-----	Bahamas, Calif.,* Ga., Ill., Mass., Mich., N.Y., Tex., Wash.
<i>Fortunella</i> sp.(?) (kumquat) leaf-----	Hong Kong-----	1	-----	-----	Hawaii.
† <i>Gymnosporangium cornutum</i> Kern.: <i>Sorbus aucuparia</i> (European mountainash)-----	Finland, Norway-----	2	-----	1	Mass., N.Y.
<i>Gymnosporangium haraeaeum</i> Syd.: <i>Juniperus chinensis</i> (pyramid Chinese juniper)-----	Japan-----	-----	-----	3	Hawaii.
† <i>Helicotylenchus buzophilus</i> (Golden) Perry: Soil with <i>Euonymus</i> sp. plant-----	Mexico-----	-----	-----	1	Tex.

See footnotes at end of table.

## Pests Collected and Reported From July 1, 1961, Through June 30, 1962—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
‡ <i>Helicotylenchus dihystera</i> (Cobb) Sher: Soil with propagative material ( <i>Begonia</i> sp., <i>Caladium</i> sp., <i>Citrus</i> sp., <i>Euphorbia</i> sp., <i>Ficus elastica</i> , <i>Impatiens balsamina</i> , <i>Lilium</i> sp., <i>Portulaca</i> sp., <i>Prunus persica</i> , <i>Rhododendron</i> sp., <i>Ruta graveolens</i> , <i>Sarosevieria</i> sp., succulent, <i>Tradescantia</i> sp., and unidentified plants).	Azores, Argentina, Brazil, England, Mexico.	-----	-----	15	Ariz., Mass., N.Y., Tex.
<i>Helicotylenchus nannus</i> Steiner: Soil with propagative material ( <i>Aglaonema</i> sp., <i>Asparagus sprengeri</i> , <i>Begonia</i> sp., <i>Dioon edule</i> , fern, <i>Hydrangea</i> sp., and <i>Mentha</i> sp.).	Italy, Mexico	-----	-----	7	N.Y., Tex.
<i>Heterodera avenae</i> (Wr.) Filip.: Soil	Germany	1	-----	-----	N.J.
Soil with <i>Allium sativum</i> (garlic)	Italy	2	-----	-----	N.J.
Soil with automobile	England, Germany	2	-----	-----	Fla.
Soil with <i>Colocasia esculenta</i> (dasheen)	‡Azores	1	-----	-----	N.Y.
Soil with military cargo	England, France	3	-----	-----	N.J.
Soil with propagative material (caetus, <i>Larix</i> sp., and <i>Prunus persica</i> ).	Austria, Germany, Italy.	-----	-----	3	N.J., N.Y.
Soil with <i>Solanum tuberosum</i> (potato)	‡Canary Islands	-----	1	-----	Tex.
<i>Heterodera cacti</i> Filip. & Schuurm. Stek.: Soil sample	Mexico	1	-----	-----	Tex.
Soil with <i>Allium sativum</i> (garlic)	do	6	-----	-----	N.Y.
Soil with bagging (cover on cotton bale)	do	1	-----	-----	Tex.
Soil with propagative material ( <i>Amaryllis</i> sp., <i>Begonia</i> sp., <i>Bougainvillea</i> sp., cactus, <i>Dahlia</i> hybrid, <i>Euphorbia</i> sp., <i>Ficus elastica</i> , <i>Lilium</i> sp., <i>Opuntia</i> sp., <i>Pelargonium</i> sp., <i>Portulaca grandiflora</i> , <i>Tradescantia</i> sp., and unidentified plants).	Austria, †Belgium, †Costa Rica, England, France, Germany, Italy, Mexico, †Peru, †Sweden.	-----	-----	63	Ariz., Calif.,* Fla., N.J., N.Y., Tex.
Soil with railway car	Mexico	-----	2	-----	Tex.
Soil with <i>Solanum tuberosum</i> (potato)	do	-----	1	-----	La.
Soil with traector	do	1	-----	-----	Tex.
<i>Heterodera humuli</i> Filip.: Soil with <i>Humulus lupulus</i> (hops)	Germany	-----	-----	1	N.Y.
<i>Heterodera punctata</i> Thorne: Soil	Mexico	2	-----	-----	Tex.
Soil with army tanks	Germany	1	-----	-----	Md.
Soil with automobile	England, Germany, Ireland(?), Sweden.	8	-----	-----	Fla., Ill., Md., Mass. Pa.
Soil with <i>Colocasia esculenta</i> (dasheen)	‡Portugal	1	-----	-----	Mass.
Soil with military cargo	‡Morocco	1	-----	-----	N.J.
Soil with mudbird nest	‡Argentina	1	-----	-----	Fla.
Soil with propagative material ( <i>Begonia</i> sp., caetus, <i>Ficus elastica</i> , <i>Lavandula</i> sp., <i>Lilium</i> sp., <i>Musa paradisiaca</i> var. <i>sapientum</i> , <i>Pelargonium</i> sp., <i>Philodendron</i> sp., <i>Sedum</i> sp., <i>Sequoia</i> sp., unidentified cutting and plant, and <i>Viola</i> sp.).	England, Germany, Ireland, Italy, Mexico, Norway, Sweden, unknown.	-----	-----	27	Ariz., Ill., Mass., Mich., N.J., N.Y., Tex.
Soil with semi-trailer	England	1	-----	-----	N.J.
Soil with stores ( <i>Apium graveolens</i> , <i>Brassica rapa</i> , and <i>Solanum tuberosum</i> ).	Belgium, Netherlands, Wales.	-----	3	-----	Fla., La.
Soil with <i>Trifolium repens</i> var. (shamrock)	Ireland	1	-----	1	Ill., Pa.
<i>Heterodera rostochiensis</i> Wr.: Soil	Germany, Mexico, Poland.	5	-----	-----	Ala., Ill., N.J., N.Y., Tex.
Soil with <i>Allium cepa</i> (onion)	England, Germany	1	-----	1	Ill., N.Y.
Soil with automobile	England, France, Germany.	9	-----	-----	Ala., Fla., La., Md., Tex.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Heterodera rostochiensis</i> Wr.—Continued Soil with propagative material (Araceae, <i>Asparagus sprengeri</i> , bromeliad, cactus, <i>Calluna vulgaris</i> , <i>Coleus</i> sp., conifer, <i>Convallaria majalis</i> , <i>Dahlia</i> hybrid, <i>Fragaria</i> sp., <i>Gladiolus</i> hybrid, <i>Hedera</i> sp., <i>Lavandula</i> sp., <i>Oxalis</i> sp., <i>Pelargonium</i> sp., <i>Polianthes tuberosa</i> , <i>Primula</i> sp., <i>Ribes</i> sp., <i>Saintpaulia</i> sp., Sapindaceae, <i>Sedum</i> sp., <i>Solanum pseudocapsicum</i> , <i>Syringa</i> sp., <i>Trifolium repens</i> var., unidentified bulb and plant, and <i>Viola</i> sp.).	England, Germany, Ireland, Mexico, Peru, Scotland, Sweden, unknown.	-----	-----	37	Ariz., Calif.,* Ill., Mass., Mich., N.J., N.Y., Pa., Tex.
Soil with <i>Solanum andigena</i> (tuber)-----	Peru-----	1	-----	-----	Calif.*
Soil with <i>Solanum tuberosum</i> (potato)-----	Denmark, England, Germany, Ireland, Peru, Scotland, Sweden, unknown.	3	15	-----	Ala., Calif.,* Fla., La., Md., Mass., N.J., N.C., Tex., Wash.
Soil with stores ( <i>Apium graveolens</i> , <i>Armoracia lapathifolia</i> , <i>Beta vulgaris</i> , and <i>Brassica rapa</i> ).	England, France, Germany, Netherlands.	-----	10	-----	Fla., Tex., Wash.
Soil with tree fern log-----	Mexico-----	1	-----	-----	Tex.
† <i>Hypoxylon marginatum</i> (Schw.) Berk.: Wood (log)-----	Philippines-----	1	-----	-----	Hawaii.
<i>Kuehneola uredinis</i> (Lk.) Arth.: <i>Rubus</i> sp. (leaf)-----	France, unknown.	-----	3	-----	Mass.
<i>Leptosphaeria eustomoides</i> Sacc.: <i>Triticum aestivum</i> (wheat) straw-----	Japan, Norway-----	-----	8	-----	Calif.*
<i>Leptosphaeria protearum</i> Syd.: <i>Protea</i> sp. (leaf)-----	Republic of South Africa.	1	-----	-----	N.Y.
<i>Lophodermium arundinaceum</i> (Fr.) Chev.: <i>Phragmites</i> sp. (reed)-----	Czechoslovakia, Germany.	3	-----	-----	Ill., Mass.
† <i>Lophodermium juniperinum</i> (Fr.) de N.: <i>Juniperus communis</i> (common juniper)	England-----	-----	-----	1	N.J.
† <i>Lophodermium piceae</i> (Fekl.) Hoehn.: <i>Picea</i> sp. (spruce) needles-----	Switzerland-----	1	-----	-----	N.Y.
<i>Macrophoma araucariae</i> De Lac.: <i>Araucaria cookii</i> (seed)-----	New Zealand-----	-----	-----	1	Calif.*
<i>A. excelsa</i> (Norfolk-Island-pine) seed-----	Australia, New Zealand, Norfolk Island.	-----	-----	5	Calif.*
† <i>Macrophoma dalmatica</i> (Thuem.) Berl. & Vogl.: <i>Olea europaea</i> (olive)-----	Lebanon-----	1	-----	-----	Tex.
<i>Macrophoma musae</i> (Cke.) Berl. & Vogl.: <i>Musa</i> sp. (banana)-----	American Samoa, Nepal, Singapore.	2	1	-----	Hawaii, Mass.
† <i>Marssonina fragariae</i> (Sacc.) Kleb.: <i>Fragaria</i> sp. (strawberry) leaf-----	Venezuela-----	-----	-----	1	P.R.
<i>Meloidogyne arenaria</i> (Neal) Chitwood: <i>Achimenes</i> sp. (tuber)-----	India-----	-----	-----	1	N.Y.
<i>Aconitum</i> sp. (root)-----	Netherlands-----	-----	-----	1	N.Y.
<i>Agapanthus</i> sp. (root)-----	†Brazil-----	-----	-----	1	Fla.
<i>Begonia</i> sp. (root)-----	Mexico-----	-----	-----	1	Tex.
Cactus (root)-----	Peru-----	-----	-----	1	Fla.
<i>Caladium X hortulanum</i> 'Candidum' (tuber)-----	Guatemala-----	-----	-----	1	N.J.
<i>Dioscorea</i> sp. (yam)-----	Japan-----	-----	2	-----	Calif.*
<i>Hedychium</i> sp. (gingerlily) root-----	†Panama-----	-----	-----	1	Fla.
<i>Lactuca sativa</i> (lettuce) root-----	†West Africa-----	-----	1	-----	Mass.
<i>Peperomia</i> sp. (plant)-----	Mexico-----	-----	-----	1	Tex.
<i>Solanum tuberosum</i> (potato)-----	Argentina, †Brazil-----	-----	2	-----	Pa.
Succulent plant-----	Mexico-----	-----	-----	1	Tex.
<i>Ulmus</i> sp. (elm) root of dwarf tree-----	Japan-----	-----	-----	1	Calif.*
<i>Zingiber officinale</i> (ginger) root-----	†Panama-----	-----	-----	1	Fla.
† <i>Meloidogyne arenaria arenaria</i> (Neal) Chitwood: <i>Caladium</i> sp. (root)-----	Guatemala-----	-----	-----	1	Fla.

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		Consumption	Nonentry	Propagation	
<i>Meloidogyne arenaria thamesi</i> Chitwood:					
<i>Dahlia</i> hybrid (root).....	Japan.....			1	Calif.*
<i>Gladiolus</i> hybrid (corm).....	do.....			2	Calif.*
<i>Hosta sieboldiana</i> (Siebold plantainlily).....	do.....			1	N.J.
<i>Solanum tuberosum</i> (potato).....	do.....		1		Calif.*
<i>Meloidogyne hapla</i> Chitwood:					
<i>Achimenes</i> sp. (tuber).....	†India.....			1	N.Y.
<i>Aconitum</i> sp. (root).....	England, Netherlands.....			3	N.Y.
<i>Agastache cana</i> (mosquito-plant) root.....	England.....			1	N.J.
<i>Aster farreri</i> 'Berggarten' (Farrer aster).....	Netherlands.....			1	N.J.
<i>Chrysanthemum arcticum</i> (root).....	†Switzerland.....			1	N.J.
<i>Clematis lawsoniana</i> (root).....	Netherlands.....			1	N.Y.
<i>C. patens</i> 'Dutchess of Edinburgh' (root).....	do.....			1	N.Y.
<i>C. vedrariensis</i> (root).....	England.....			1	D.C.
<i>Clematis</i> hybrid (root).....	England, †France, Netherlands.....			13	D.C., N.Y.
<i>Delphinium</i> sp. (root).....	Netherlands.....			1	N.Y.
<i>Fragaria</i> sp. (strawberry) root.....	†France.....			3	N.Y.
<i>Gerbera</i> sp. (root).....	†India.....			1	N.Y.
<i>Geum</i> sp. (root).....	Netherlands.....			1	N.J.
<i>Hepatica</i> sp. (root).....	England, Japan.....			2	D.C., N.J.
<i>Oenothera fruticosa</i> 'W. Cuthbertson' (common sundrops) root.....	Netherlands.....			1	N.J.
<i>Pelargonium</i> sp. (geranium) root.....	do.....			1	N.Y.
<i>Potentilla</i> sp. 'Klondike' (root).....	do.....			1	N.Y.
<i>Pyrethrum</i> sp. (root).....	England, Netherlands.....			2	N.Y.
<i>Teucrium montanum</i> (germander) root.....	Germany.....			1	N.J.
<i>Viburnum grandiflorum</i> (root).....	England.....			1	D.C.
<i>Meloidogyne incognita</i> (Kofoid & White) Chitwood:					
<i>Alocasia macrorhiza</i> 'Mottled' (root).....	Mexico.....			1	Tex.
<i>Alocasia</i> sp. (root).....	do.....			2	Tex.
<i>Anthurium</i> sp. (root).....	Trinidad.....			1	Fla.
<i>Begonia</i> sp. (root).....	Brazil, Mexico, †Portugal.....			4	N.J., N.Y., Tex.
<i>Beta vulgaris</i> (beet) root.....	Brazil, Mexico.....	2	1		Fla., Tex.
Cactus (root).....	Mexico.....			1	Tex.
<i>Caladium</i> sp. (root).....	do.....			1	Tex.
<i>Capsicum annuum</i> (pepper) root.....	do.....			1	Tex.
<i>Coleus</i> sp. (root).....	do.....			1	Tex.
<i>Colocasia esculenta</i> (dasheen).....	Cuba.....	1			Fla.
<i>Cordyline terminalis</i> (ti).....	Mexico.....			1	Ariz.
<i>Daucus carota</i> var. <i>sativa</i> (carrot).....	Italy, Mexico.....	2	1		Pa., Tex.
<i>Daucus</i> sp. (root).....	Mexico.....	1			Tex.
<i>Dieffenbachia amoena</i> (tuffroot) root.....	do.....			1	Tex.
<i>Echeveria</i> sp. (root).....	do.....			3	Tex.
<i>Epiphyllum</i> sp. (cactus) root.....	do.....			1	Tex.
<i>Gardenia jasminoides</i> (root).....	do.....			1	Tex.
<i>Gladiolus</i> hybrid (corm).....	Japan.....			1	Calif.*
<i>Gypsophylla paniculata</i> (babysbreath) grafts.....	do.....			1	Calif.*
<i>Heliconia</i> sp. (root).....	Dominican Republic, †Ecuador.....			2	Fla.
<i>Hosta plantaginea</i> (root).....	Japan.....			1	N.J.
<i>Ipomoea batatas</i> (sweetpotato).....	Mexico, †Sierra Leone.....	1	1		Calif.,* Md.
<i>Kaempferia rotunda</i> (tuber).....	India.....			1	N.J.
<i>Lonicera</i> sp. (honeysuckle) root.....	Mexico.....			1	Tex.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) bulb.....	Republic of South Africa.....			1	N.Y.
<i>Petroselinum crispum</i> (parsley) root.....	†Panama.....		1		Md.
<i>Polianthes tuberosa</i> (tuberose) bulb.....	Mexico.....			1	Ariz.
<i>Ravenala madagascariensis</i> (travelers palm) root.....	Cuba.....			1	Fla.
<i>Sansevieria</i> sp. (root).....	Mexico.....			1	Tex.
<i>Solanum tuberosum</i> (potato).....	Brazil, Mexico.....	1	2		Ariz., Calif.,* Pa.
<i>Solanum</i> cv. 57, C.T. 11 (tuber).....	Mexico.....			1	D.C.
<i>Zantedeschia elliottiana</i> (golden calla lily) tuber.....	Japan.....			1	N.J.
<i>Zebrina pendula</i> (wanderingjew zebrina).....	Mexico.....			1	Tex.

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<i>Meloidogyne incognita acrita</i> Chitwood:					
<i>Alocasia</i> sp. (root)	Mexico			1	Tex.
<i>Andropogon nardus</i> (bluestem grass)	do			1	Tex.
<i>Astilbe</i> 'Serenade' (root)	Netherlands			1	N.J.
<i>Caladium</i> sp. (tuber)	†Guatemala			2	Fla.
<i>Canna indica</i> (?) (India canna) root	Republic of South Africa			1	N.J.
<i>Euphorbia</i> sp. (root)	do			1	Calif.*
<i>Fagraea berteriana</i> (root)	†Tahiti			1	Hawaii.
<i>Ficus</i> sp. (fig) root	Italy			1	N.J.
<i>Gardenia</i> sp. (root)	Mexico			1	Tex.
<i>Gladiolus cardinalis</i> (cardinal gladiolus)	Republic of South Africa			1	D.C.
<i>Ipomoea batatas</i> (sweetpotato)	Japan		1		Calif.*
<i>Lactuca sativa</i> (lettuce) root	†Morocco		1		Mass.
<i>Sedum</i> sp. (root)	Italy			1	N.Y.
<i>Solanum tuberosum</i> (potato)	Chile, Mexico		1	1	Ariz., Pa.
<i>Zantedeschia</i> sp. (calla lily)	†Azores			1	S.C.
<i>Zingiber officinale</i> (ginger) root	Japan		1		Calif.*
† <i>Meloidogyne incognita incognita</i> (Kofoid & White) Chitwood:					
<i>Lycopersicon esculentum</i> (tomato) root	Mexico	1			Calif.
<i>Meloidogyne javanica</i> (Treub) Chitwood:					
<i>Agave</i> sp. (root)	†Spain			1	N.Y.
<i>Arum</i> sp. (root)	Cuba	1			N.Y.
<i>Caryopteris X clandonensis</i> (bluebeard)	†England			1	D.C.
<i>Caryopteris</i> 'Ferndon' (root)	do			1	D.C.
<i>Cirsium rivulare</i> var. <i>atropurpureum</i> (root)	†Germany			1	N.J.
<i>Dioscorea spiculiflora</i> (tuber)	Mexico			1	D.C.
<i>Dioscorea</i> sp. (yam) tuber	Japan		3		Calif.,* Pa.
<i>Dracaena</i> sp. (root)	Mexico			1	Ariz.
<i>Euphorbia clandestina</i> (root)	Republic of South Africa			1	Calif.*
<i>E. fasciculata</i> (root)	do			1	Calif.*
<i>Fragaria</i> sp. (strawberry) root	France			1	N.Y.
<i>Gerbera</i> sp. (root)	India			1	Fla.
<i>Gladiolus</i> hybrid (corm)	Japan			5	Calif.*
<i>Iris</i> hybrid (rhizome)	Republic of South Africa			1	N.Y.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) bulb.	do			1	N.Y.
<i>Polianthes tuberosa</i> (tuberose) bulb	Mexico			1	Ariz.
<i>Viburnum</i> sp. (root)	†England			1	D.C.
<i>Zantedeschia elliottiana</i> (golden calla lily) bulb	Japan			2	Calif.,* Fla.
<i>Zingiber</i> sp. (ginger) root	†Costa Rica			1	Tex.
† <i>Meloidogyne javanica javanica</i> (Treub) Chitwood:					
<i>Hibiscus</i> sp. (root)	Canal Zone			1	Calif.*
<i>Iris</i> hybrid (root)	Jamaica			1	Fla.
<i>Ixora</i> sp. (root)	Canal Zone			1	Calif.*
<i>Zingiber</i> sp. (ginger) root	do			1	Calif.*
<i>Monilinia fructigena</i> (Aderh. & Ruhl.) Honey:					
<i>Malus sylvestris</i> (apple)	Sweden	1			N.Y.
<i>Prunus domestica</i> (plum)	France, Germany	1	1		Pa.
<i>Prunus</i> sp. (cherry)	France, Spain	1	1		Pa.
† <i>Mycosphaerella acicola</i> (Cke. & Harkn.) Lindau:					
<i>Pinus</i> sp. (pine) needles	Unknown		1		Mich.
<i>Mycosphaerella fragariae</i> (Tul.) Lindau:					
<i>Fragaria</i> sp. (strawberry) leaf	Canada, Germany, †Poland.			5	Calif.,* N.Y.
† <i>Mycosphaerella palmae</i> Miles:					
Palm (leaf)	Bahamas	1			Bahamas.
<i>Mycosphaerella schoenoprasii</i> (Ces. & de N.) Schroet.:					
<i>Allium cepa</i> (onion)	†New Zealand	1			Calif.*
<i>A. fistulosum</i> (Welsh onion) leaf	Japan		5		N.Y., Pa.
<i>A. porrum</i> (leek)	Japan, †New Zealand, Spain.		14		Calif.,* N.Y., Ohio, Pa., P.R.

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† <i>Mycosphaerella taxodii</i> (Cke.) Lindau: <i>Taxodium</i> sp. (bald cypress).....	Mexico.....	1			Ariz.
† <i>Myiocopron corrientinum</i> Speg.: <i>Cattleya</i> sp. (orchid) leaf.....	do.....			1	Tex.
<i>Oncidium</i> sp. (orchid) pseudobulb.....	British Honduras.....			1	Tex.
† <i>Myiocopron pereirae</i> Tassi: <i>Pterocarpus violaceum</i> (padauk) seed.....	Brazil.....			1	N.Y.
† <i>Nectria infusaria</i> Cke. & Harkn.: <i>Acacia costaricensis</i> (stem).....	Canal Zone.....	1			N.J.
<i>Neovossia horrida</i> (Tak.) Padw. & A. Khan: <i>Oryza sativa</i> (rice).....	†Italy, Japan.....	1	124		Calif.,* N.Y.
<i>Ophiodothella orchidearum</i> Cash & Watson: <i>Epidendrum aromaticum</i> (orchid).....	Mexico.....			1	Tex.
<i>E. laucheatum</i> (orchid).....	†Costa Rica.....			1	Calif.*
<i>Odontoglossum</i> sp. (orchid).....	Mexico.....			1	Tex.
Orchid.....	do.....			1	Ariz.
<i>Papularia vinosa</i> (Berk. & Curt.) Mason: <i>Bambusa</i> sp. (bamboo).....	do.....			1	Ariz.
<i>Phaeosphaerella senniana</i> Sacc.: <i>Protea</i> sp. (cut flower).....	Republic of South Africa.....	1			Mass.
† <i>Phakopsora gossypii</i> (Arth.) Hirat. f.: <i>Gossypium</i> sp. (cotton) leaf.....	Haiti.....	1			Fla.
<i>Phakopsora jatrophiicola</i> Cumm.: <i>Jatropha gossypifolia</i> (leaf).....	Dominican Republic.....	1			Fla.
† <i>Phlyctaena ficuum</i> P. Henn.: <i>Ficus</i> sp. (herbarium specimen).....	Mexico.....	1			Ariz.
† <i>Phoma demissa</i> Sacc.: <i>Clematis</i> hybrid (leaf).....	France.....			1	N.J.
† <i>Phomopsis cedrelae</i> Camara: <i>Cedrela odorata</i> (cigarbox cedrela) seed.....	Dominica.....			1	N.Y.
† <i>Phyllachora engleri</i> Speg.: <i>Anthurium</i> sp. (leaf).....	Honduras.....			1	Fla.
† <i>Phyllachora graminis</i> (Fr.) Fckl.: <i>Elymus virginicus</i> (Virginia wildrye) seed.....	Denmark.....			1	N.J.
Grass—unidentified (plant).....	Honduras.....			1	Fla.
† <i>Phyllosticta bromeliae</i> Alm. & Cam.: Bromeliad.....	Mexico.....			1	Tex.
<i>Phyllosticta hedericola</i> Dur. & Mont.: <i>Hedera helix</i> (English ivy).....	England.....		4		Mass.
† <i>Phyllosticta parkinsoniae</i> Ell. & Ev.: <i>Parkinsonia</i> sp. (leaf).....	Mexico.....	1	1		Tex.
† <i>Phyllosticta phaseolina</i> Sacc.: <i>Phaseolus vulgaris</i> (bean).....	do.....	1			Tex.
<i>Phyllosticta ruscicola</i> Dur. & Mont.: <i>Ruscus aculeatus</i> (butchersbroom) leaf.....	Italy.....	1			Ohio.
<i>Ruscus</i> sp.....	do.....	1			Mich.
<i>Phyllostictina pyriformis</i> Cash & Watson: <i>Dendrobium</i> sp. (orchid).....	Hawaii.....			2	Hawaii.
<i>Laelia</i> sp. (orchid).....	Guatemala.....			1	Tex.
Orchid (leaf).....	Mexico.....			1	Tex.
<i>Rhynchostylis</i> sp. (orchid) leaf.....	Thailand.....			1	N.Y.
<i>Stanhopea</i> sp. (orchid).....	Mexico.....			1	Tex.
<i>Vanda</i> sp. (orchid).....	Hawaii.....			1	Hawaii.
† <i>Pleospora microspora</i> Niessl.: <i>Phragmites communis</i> (reed) leaf.....	Netherlands.....	1			Mass.
† <i>Pleospora samarae</i> Fckl.: <i>Fraxinus ornus</i> (flowering ash).....	Italy.....			1	N.J.
† <i>Pratylenchus coffeae</i> (Zimmermann) Goodey: <i>Dahlia</i> hybrid (root).....	Australia.....			2	N.J.
<i>Dioscorea</i> sp. (yam) tuber.....	Jamaica.....	1			Fla.
Soil with <i>Ruta graveolens</i> (common rue).....	Mexico.....			1	Ariz.
<i>Pratylenchus penetrans</i> (Cobb) Chitwood & Oteifa: <i>Clematis</i> hybrid (root).....	Netherlands.....			1	N.Y.
<i>Ligularia przewalskii</i> (goldenray) root.....	do.....			1	N.J.
<i>Tricyrtis</i> sp. (toadlily) root.....	do.....			1	N.Y.
† <i>Pratylenchus scribneri</i> Steiner: <i>Malus</i> sp. (apple) root stock.....	Canada.....			1	Wash.

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[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Prosopidium appendiculatum</i> (Wint.) Arth.: <i>Tecoma stans</i> var. <i>incisum</i> .....	Mexico.....	1			Ariz.
† <i>Pseudolachnea bubakii</i> Ranojevie: <i>Acer japonicum</i> (fullmoon maple) twig.....	Italy.....			1	N.J.
† <i>Puccinia abyssinica</i> (P. Henn.) Syd.: <i>Jasminum abyssinicum</i> (leaf).....	Ethiopia.....			1	D.C.
<i>Puccinia buxi</i> DC.: <i>Buxus sempervirens</i> (boxwood) leaf.....	England, Germany, Ireland, Italy, un- known.	1	22	1	Mass., N.Y., Wash.
† <i>Puccinia carthami</i> Cda.: <i>Carthamus</i> sp.....	Greece.....			2	D.C.
<i>Puccinia horiana</i> P. Henn.: <i>Chrysanthemum morifolium</i> (florists chrysan- themum).	Japan.....	1	2		Hawaii.
† <i>Puccinia iridis</i> Rab.: <i>Iris</i> hybrid (leaf).....	Bermuda, Haiti.....	1	1		Mass., P.R.
<i>Puccinia longicornis</i> Pat. & Har.: <i>Sasa albomarginata</i> (bamboo) leaf.....	Japan.....		1		Calif.*
<i>Puccinia ornithogali-thyrsoides</i> Diet.: <i>Ornithogalum thyrsoides</i> (Cape chinkerichec)....	Republic of South Africa.	1			N.Y.
† <i>Puccinia polygoni-amphibii</i> Pers.: <i>Polygonum sachalinense</i> (Sakhalin knotweed) leaf with seed.	Union of Soviet Socialist Republics.			1	D.C.
<i>Puccinia urbaniana</i> P. Henn.: <i>Stachytarpheta jamaicensis</i> (Jamaica falseva- lerian) leaf and stem.	Puerto Rico.....	1			Ill.
<i>Pyrenochaeta spinicola</i> Speg.: <i>Cephalocereus</i> sp. (cactus).....	Mexico.....			1	Tex.
† <i>Pythium intermedium</i> d By.: Roots (11 genera of trees).....	Union of Soviet Socialist Republics.			1	D.C.
† <i>Pythium mamillatum</i> Meurs: Roots (11 genera of trees).....	do.....			1	D.C.
† <i>Pythium salpingophorum</i> Drechsler: Roots (11 genera of trees).....	do.....			1	D.C.
† <i>Pythium ultimum</i> Trow: Roots (11 genera of trees).....	do.....			1	D.C.
<i>Radopholus similis</i> (Cobb) Thorne: <i>Anthurium andraeanum</i> (flamingo anthurium) <i>Zingiber</i> sp. (ginger) plant.....	Hawaii..... do.....			2 1	Hawaii. Hawaii.
† <i>Rhytisma acerinum</i> (Pers.) Fr.: <i>Acer pseudoplatanus</i> (planetree maple) leaf..... <i>Acer</i> sp.....	France..... do.....		1 16		Mass. N.Y.
† <i>Rhytisma ilicis-latifoliae</i> P. Henn.: <i>Ilex integra</i> (holly) leaf.....	Japan.....			1	D.C.
† <i>Rhytisma punctatum</i> (Pers.) Fr.: <i>Acer</i> sp. (maple) leaf.....	France.....		1		N.Y.
†Rose mosaic—yellow type: <i>Rosa</i> hybrid (rose) leaf.....	Colombia.....	1			Fla.
<i>Rotylenchus robustus</i> (de Man) Filip.: Soil with <i>Apium graveolens</i> var. <i>rapaceum</i> (celeriac).	Netherlands.....		1		Fla.
Soil with assorted plants.....	Azores, Germany.....			2	Mass.
<i>Scutellonema brachyurum</i> (Steiner) Andrassy: <i>Amaryllis</i> sp. (bulb).....	Mexico.....			2	Ariz.
<i>Crassula</i> sp.....	do.....			1	Tex.
<i>Ficus elastica</i> (Indiarubber fig) plant.....	†Brazil.....			1	N.Y.
Soil with bulbs.....	Mexico.....			2	Tex.
Soil with <i>Kalanchoe tomentosa</i> .....	†Guatemala.....			1	Tex.
Soil with <i>Philodendron</i> sp.....	Mexico.....			1	Ariz.
Soil with assorted plants.....	do.....			2	Tex.
Soil with <i>Ruta graveolens</i> (common rue).....	do.....			1	Ariz.
<i>Scutellonema bradys</i> (Steiner & Le Hew) An- drassy: <i>Dioscorea</i> sp. (yam) root.....	Cuba.....	1			Fla.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Septoria citri</i> Pass.:					
<i>Citrus limon</i> (lemon) .....	Italy, Spain, unknown.		6		Calif.,* N.Y.
<i>C. reticulata</i> (Mandarin orange) .....	Italy .....	1			N.Y.
<i>C. sinensis</i> (sweet orange) .....	Italy, Japan, Spain .....	1	5		Calif.,* Fla., P.R., Tex.
† <i>Septoria exotica</i> Speg.:					
<i>Hebe</i> sp. (cutting) .....	Greece(?) .....	1			Ill.
<i>Septoria leucanthemi</i> Sacc. & Speg.:					
<i>Chrysanthemum maximum</i> (Pyrenees chrysanthemum).	England .....			1	N.Y.
<i>Chrysanthemum</i> sp. (leaf) .....	†France .....			2	N.Y.
<i>Septoria limonum</i> Pass.:					
<i>Citrus limon</i> (lemon) fruit and leaf .....	Italy, †Spain .....		4		N.Y.
‡ <i>Septoria minimum</i> (Karst. & Har.) Arx:					
<i>Anthurium scherzerianum</i> (common anthurium) leaf.	France .....			1	N.J.
<i>Anthurium</i> sp. (leaf) .....	Netherlands .....			1	N.J.
<i>Septoria oryzae</i> Catt.:					
<i>Oryza sativa</i> (rice) straw .....	Japan .....		46		Calif.*
<i>Septoria piricola</i> Desm.:					
<i>Pyrus</i> sp. (pear) leaf .....	Italy .....		1		Tex.
<i>Sphaceloma fawcettii</i> Bitanc. & Jenkins var. <i>scabiosa</i> (McAlp. & Tryon) Jenkins:					
<i>Citrus limon</i> (lemon) .....	Australia .....		10		Fla., Hawaii, La., Pa., S.C.
<i>Sphaceloma punicae</i> Bitanc. & Jenkins:					
<i>Punica granatum</i> (pomegranate) .....	†Dominican Republic, Mexico.	7			Ariz., N.Y., Tex.
<i>Sphaceloma rosarum</i> (Pass.) Jenkins:					
<i>Rosa</i> hybrid (rose) leaf .....	†England, Germany .....	3			Ill., Mass.
† <i>Sphaceloma spondiadis</i> Bitanc. & Jenkins (?):					
<i>Spondias cytherea</i> (vi-apple) .....	Puerto Rico .....	1			N.Y.
† <i>Sphacelotheca reiliana</i> (Kuehn) Clint.:					
<i>Sorghum</i> sp. (seed) .....	Pakistan .....			1	D.C.
‡ <i>Sphaerophragmium acaciae</i> (Cke.) P. Magn.:					
<i>Albizia lebeck</i> (leaf) .....	Bahamas .....	1			Fla.
<i>Sphenospora kevorkianii</i> Linder:					
<i>Catasetum</i> sp. (orchid) leaf .....	Peru .....			2	Fla.
<i>Cochlioda coccinea</i> (orchid) leaf .....	†England .....			1	N.J.
<i>Cyrtopodium andersonii</i> (orchid) leaf .....	Brazil .....			1	Fla.
<i>Epidendrum</i> sp. (orchid) leaf .....	†Antigua, Bahamas(?), Ecuador, Trinidad.			4	Fla.
<i>Ionopsis</i> sp. (orchid) leaf .....	Jamaica .....			3	Fla.
<i>Miltonia roezlii</i> (orchid) leaf .....	Canal Zone .....			1	Fla.
<i>Miltonia</i> sp. (leaf) .....	do .....			1	Fla.
<i>Notylia albida</i> (orchid) leaf .....	†Guatemala .....			1	Fla.
<i>Oncidium cebolleta</i> (orchid) .....	†Mexico .....			1	Tex.
<i>O. fallens</i> (leaf) .....	Ecuador .....			1	N.Y.
<i>O. lozense</i> (leaf) .....	do .....			1	Fla.
<i>O. macranthum</i> (leaf) .....	do .....			3	Fla., N.Y.
<i>O. phalaenopsis</i> (leaf) .....	do .....			1	N.Y.
<i>O. pulchellum</i> (leaf) .....	Haiti, Jamaica .....			3	Fla.
<i>O. pusillum</i> (leaf) .....	†Guatemala .....			1	Fla.
<i>O. quadripetalum</i> (leaf) .....	Jamaica .....			1	Fla.
<i>O. splendidum</i> (leaf) .....	Honduras .....			1	Fla.
<i>Oncidium</i> sp. (leaf) .....	British Honduras, †Colombia, Costa Rica, Ecuador, †Guatemala, Panama, Peru.			12	Fla., N.Y.
Orchid (leaf) .....	Brazil, †Guatemala, Haiti, Honduras, Jamaica, Panama.			7	Fla.
<i>Ornithocephalus</i> sp. (orchid) leaf .....	Peru .....			1	Fla.
<i>Rodriguezia</i> sp. (orchid) leaf .....	†Colombia, Ecuador, Peru.			4	Fla.

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Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Sphenospora mera</i> Cumm.:					
<i>Catasetum</i> sp. (orchid) leaf	Peru			1	Fla.
<i>Cynoches aureum</i> (orchid) leaf	†Guatemala			1	Fla.
<i>Ionopsis</i> sp. (orchid) leaf	do			1	Fla.
<i>Miltonia roezlii</i> (orchid) leaf	†Canal Zone, Panama.			6	Fla.
Orchid	Mexico			1	Tex.
<i>Sphenospora saphena</i> Cumm.:					
<i>Epidendrum</i> sp. (orchid) leaf	†Dominican Republic, †Trinidad.			2	Fla.
<i>Ionopsis</i> sp. (orchid) leaf	Jamaica			1	Fla.
<i>Oncidium sphacelatum</i> (orchid)	†Mexico			1	Tex.
<i>Oncidium</i> sp.	Jamaica			2	Fla.
† <i>Steganosporium foliicolum</i> (Desm.) Moore:					
<i>Arundinaria alpina</i> (bamboo) leaf	Ethiopia			1	D.C.
† <i>Stigmina palmivora</i> (Sacc. apud Trelease) Hughes:					
Palm (plant)	Italy		1		Mich.
<i>Stomatogone agaves</i> (Ell. & Ev.) Th.:					
<i>Agave</i> sp.	Mexico			1	Tex.
† <i>Strickeria obducens</i> (Fr.) Wint.:					
<i>Yucca schottii</i>	do	1			Ariz.
† <i>Strumella simmondsiae</i> Bonar:					
<i>Simmondsia californica</i> (California jojoba)	do			1	Calif.
<i>Thecaphora solani</i> Barrus:					
<i>Solanum stoloniferum</i> (tuber)	do	2			Calif.
†Tobacco mosaic virus:					
<i>Lycopersicon esculentum</i> (tomato) plant	Venezuela	1			D.C.
Tobacco ring spot virus:					
<i>Citrullus vulgaris</i> (watermelon)	Mexico	4			Ariz.
† <i>Trichocladium asperum</i> Harz:					
<i>Solanum tuberosum</i> (potato)	Japan		1		Calif.*
† <i>Tylenchorhynchus acti</i> Hopper:					
Soil with cactus plant	Mexico			1	Tex.
<i>Tylenchorhynchus capitatus</i> M. W. Allen:					
Soil with <i>Begonia</i> sp.	do			1	Ariz.
Soil with <i>Cymbopogon citratus</i> (lemongrass)	do			1	Ariz.
Soil with <i>Tradescantia</i> sp.	do			1	Ariz.
† <i>Tylenchorhynchus claytoni</i> Steiner:					
Soil with <i>Asparagus sprengeri</i>	Italy			1	N.Y.
† <i>Tylenchorhynchus dubius</i> (Bütschli) Filip.:					
Soil with <i>Convallaria majalis</i>	England			1	Mass.
† <i>Typhula itoana</i> Imai:					
<i>Hordeum</i> sp. (barley) straw jacket	Japan		1		N.Y.
<i>Uredo behnickiana</i> P. Henn.:					
<i>Dendrobium nobile</i> (orchid) leaf	Unknown			1	Fla.
<i>Epidendrum cochleatum</i> (orchid) leaf	†Honduras			1	Fla.
<i>E. fragrans</i> (leaf)	do			1	Fla.
<i>E. mariae</i> (leaf)	Mexico			1	Tex.
<i>Epidendrum</i> sp.	Costa Rica, Mexico			2	Calif.,* Tex.
<i>Laelia anceps</i> (orchid)	Mexico			8	Tex.
<i>L. superbiens</i> (leaf)	Jamaica			1	Fla.
<i>Maxillaria coccinea</i> (orchid) leaf	do			1	Fla.
<i>Oncidium cebolleta</i> (orchid)	Mexico			1	Tex.
<i>O. varicosum</i> var. <i>rogersii</i> (leaf)	Brazil			2	Fla.
<i>Oncidium</i> sp. (leaf)	do			2	Fla.
Orchid (leaf)	Costa Rica, †Ecuador			2	Calif.,* Fla.
<i>Uredo epidendri</i> P. Henn.:					
Orchid (leaf)	Venezuela			1	Calif.*
<i>Uredo guacae</i> Mayor:					
<i>Catasetum</i> sp. (orchid) leaf	Peru			1	Fla.
<i>Huntleya burtii</i> (orchid) leaf	Costa Rica			1	Fla.
<i>Oncidium pusillum</i> (orchid) leaf	Peru			1	Fla.
<i>O. variegatum</i> (leaf)	do			1	Fla.
Orchid	Canal Zone, Jamaica			2	Calif.,* Fla.
<i>Polystachya</i> sp. (orchid) leaf	Panama			1	Fla.
<i>Stanhopea</i> sp. (orchid) leaf	Honduras, Peru			2	Fla.
<i>Zygopetalum wendlandi</i> (orchid) leaf	Costa Rica			1	P.R.
† <i>Uredo neopustulata</i> Cumm.:					
<i>Stenorynchus</i> sp. (hardy terrestrial orchid)	Jamaica			1	Fla.

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<i>Uredo nidularii</i> P. Henn.: Bromeliad (leaf)-----	†Colombia, Costa Rica.	-----	-----	3	Fla.
<i>Tillandsia</i> sp. (leaf)-----	Mexico, †Panama-----	-----	-----	2	Fla., Tex.
<i>Uredo nigropuncta</i> P. Henn.: <i>Catasetum</i> sp. (orchid)-----	†Peru-----	-----	-----	1	Fla.
<i>Epidendrum nocturnum</i> (orchid) leaf-----	Jamaica-----	-----	-----	1	N.Y.
<i>E. varicosum</i> (leaf)-----	do-----	-----	-----	1	Fla.
<i>E. verrucosum</i> (leaf)-----	do-----	-----	-----	1	N.Y.
<i>Uredo oncidii</i> P. Henn.: <i>Diacrium bilamellatum</i> (orchid) leaf-----	Canal Zone-----	-----	-----	1	Fla.
<i>Oncidium luridum</i> (orchid) leaf-----	Jamaica-----	-----	-----	1	Fla.
<i>O. splendidum</i> (leaf)-----	Honduras-----	-----	-----	2	Fla.
<i>O. stramineum</i> (leaf)-----	Mexico-----	-----	-----	1	Tex.
<i>Oncidium</i> sp. (leaf)-----	British Honduras, Honduras, Jamaica, Peru.	-----	-----	7	Fla.
Orchid (leaf)-----	Honduras-----	-----	-----	1	Fla.
<i>Zygopetalum</i> sp. (orchid) leaf-----	Ecuador-----	-----	-----	1	Fla.
<i>Uromyces alyxiae</i> Arth.: <i>Alyxia olivaeformis</i> (maile alyxia)-----	Hawaii-----	1	-----	-----	Calif.*
† <i>Uromyces betae</i> Kickx: <i>Beta vulgaris</i> var. <i>cicla</i> (Swiss chard)-----	England-----	-----	1	-----	N.Y.
<i>Uromyces dolicholi</i> Arth.: <i>Cajanus cajan</i> (pigeonpea) leaf-----	Puerto Rico-----	1	-----	-----	P.R.
<i>Uromyces fabae</i> (Grev.) Cke.: <i>Lens culinaris</i> (lentil)-----	Chile-----	1	-----	1	Fla., Wash.
<i>Uromyces junci</i> (Desm.) Tul.: <i>Juncus glaucus</i> (rush)-----	Greece-----	1	-----	-----	N.Y.
<i>Uromyces lespedezae-procumbentis</i> (Schw.) Curt.: <i>Lespedeza formosa</i> (seed pod)-----	Japan-----	-----	-----	1	Calif.*
<i>L. thunbergii</i> (seed pod)-----	do-----	-----	-----	1	Calif.*
<i>Xanthomonas citri</i> (Hasse) Dowson: <i>Citrus aurantifolia</i> (lime)-----	† Afghanistan, Guam, Hong Kong, India, Indonesia, Japan, Thailand, unknown.	6	15	-----	Hawaii, La., N.Y., N.C.
<i>C. aurantium</i> (sour orange)-----	Japan-----	-----	21	-----	Calif.,* La., Md., Pa., Tex. Wash.
<i>C. aurantium</i> X <i>C. reticulata</i> (citrus hybrid)-----	do-----	-----	2	-----	N.Y.
<i>C. grandis</i> (pummelo) leaf and peel-----	Hong Kong, Thailand.	1	1	-----	Hawaii, N.Y.
<i>C. ichangensis</i> var. ("yuzu")-----	Japan-----	-----	1	-----	Pa.
<i>C. ichangensis</i> X <i>C. reticulata</i> (ichandarin)-----	do-----	-----	1	-----	Calif.*
<i>C. limon</i> (lemon)-----	Federation of Malaya, Formosa, Japan.	-----	25	-----	Calif.,* Hawaii, La., N.Y., Oreg., Pa., S.C., Wash.
<i>C. paradisi</i> (grapefruit)-----	China, Japan, Thailand.	2	7	-----	Calif.,* Fla., Hawaii, N.C., Pa., Wash.
<i>C. paradisi</i> X <i>C. reticulata</i> (tangelo)-----	Japan-----	-----	1	-----	La.
<i>C. reticulata</i> (Mandarin orange) dried peel and fruit.	China, Formosa, Hong Kong, Japan.	12	10	-----	Calif.,* Fla., Hawaii, Ill., N.Y., Tex., Wash.
<i>C. reticulata</i> X <i>C. sinensis</i> (tangor) leaf-----	Japan-----	-----	1	-----	Wash.
<i>C. sinensis</i> (sweet orange) dried peel and fruit-----	China, Hong Kong, Japan, Thailand, unknown.	28	129	-----	Ala., Calif.,* Fla., Hawaii, Ill., Md., Mass., Minn., N.Y., N.C., Ohio, Oreg., Pa., Wash.

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[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Xanthomonas citri</i> (Hasse) Dowson—Continued <i>Citrus</i> sp. (dried peel and fruit)-----	China, Hong Kong, Japan, unknown.	6	2	-----	Hawaii, Ill., La., Mass., Tex., Wash.
‡ <i>Xanthomonas hederae</i> (Arn.) Dowson: <i>Hedera</i> sp. (ivy) leaf-----	England-----	-----	3	-----	Mass.
<i>Xanthomonas</i> sp. (Cancrosis B): <i>Citrus limon</i> (lemon)-----	Argentina, unknown, Uruguay.	-----	15	-----	N.Y., Pa., Tex.
<i>C. reticulata</i> (Mandarin orange)-----	Argentina-----	1	-----	-----	Fla.
<i>C. sinensis</i> (sweet orange)-----	Brazil-----	-----	1	-----	Calif.*

An asterisk (\*) indicates State inspection.

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.

## Hosts and Diseases

- ✓ ACACIA:  
 ✓ †*Nectria infusaria* (Ascomycetes)  
 ACER:  
 - †*Pseudolachnea bubakii* (Deuteromycetes)  
 †*Rhytisma acerinum* (Ascomycetes)  
 †*R. punctatum* (Ascomycetes)  
 ACHIMENES:  
 †*Meloidogyne arenaria* (Nematoda)  
 †*M. hapla* (Nematoda)  
 ACONITUM:  
 †*Meloidogyne arenaria* (Nematoda)  
 - *M. hapla* (Nematoda)  
 AGAPANTHUS:  
 †*Meloidogyne arenaria* (Nematoda)  
 AGASTACHE:  
 †*Meloidogyne hapla* (Nematoda)  
 AGAVE:  
 †*Coniothyria agaves* (Deuteromycetes)  
 †*Meloidogyne javanica* (Nematoda)  
 †*Stomatogone agaves* (Ascomycetes)  
 ALBIZZIA:  
 †*Sphaerophragmium acaciae* (Promycetes)  
 ALLIUM CEPA:  
 †*Ditylenchus dipsaci* (Nematoda)  
 †*Mycosphaerella schoenoprasi* (Ascomycetes)  
 ALLIUM FISTULOSUM:  
 ✓ *Mycosphaerella schoenoprasi* (Ascomycetes)  
 ALLIUM PORRUM:  
 †*Mycosphaerella schoenoprasi* (Ascomycetes)  
 ALLIUM SATIVUM:  
 †*Ditylenchus dipsaci* (Nematoda)  
 ALOCASIA:  
 †*Meloidogyne incognita* (Nematoda)  
 - *M. incognita acrita* (Nematoda)  
 ALYXIA:  
 ✓ *Uromyces alyxiae* (Promycetes)  
 AMARYLLIS:  
 †*Scutellonema brachyurum* (Nematoda)  
 ANDROPOGON:  
 †*Meloidogyne incognita acrita* (Nematoda)  
 ANTHURIUM:  
 †*Meloidogyne incognita* (Nematoda)  
 †*Phyllachora engleri* (Ascomycetes)  
 ✓ *Radopholus similis* (Nematoda)  
 †*Septoria minimum* (Deuteromycetes)  
 ARAUCARIA:  
 ✓ *Eryptospora longispora* (Ascomycetes)  
 †*Macrophoma araucariae* (Deuteromycetes)  
 ARMORACIA:  
 †*Ascochyta armoraciae* (Deuteromycetes)  
 ARUM:  
 †*Meloidogyne javanica* (Nematoda)  
 ARUNDINARIA:  
 †*Steganosporium foliicolum* (Deuteromycetes)  
 ASTER:  
 †*Meloidogyne hapla* (Nematoda)  
 ASTILBE:  
 †*Meloidogyne incognita acrita* (Nematoda)  
 BAMBUSA:  
 †*Papularia vinosa* (Deuteromycetes)  
 BEGONIA:  
 †*Meloidogyne arenaria* (Nematoda)  
 †*M. incognita* (Nematoda)  
 BETA:  
 †*Meloidogyne incognita* (Nematoda)  
 †*Uromyces betae* (Promycetes)  
 BLETILLA:  
 †*Aphelenchoides fragariae* (Nematoda)  
 BORASSUS:  
 †*Graphiola borassi* (Promycetes)  
 BROMELIAD:  
 †*Phyllosticta bromeliae* (Deuteromycetes)  
 †*Uredo nidularii* (Promycetes)  
 BUXUS:  
 †*Dothidella depazeoides* (Ascomycetes)  
 †*Puccinia buxi* (Promycetes)  
 CACTUS:  
 †*Meloidogyne arenaria* (Nematoda)  
 †*M. incognita* (Nematoda)  
 CAJANUS:  
 †*Uromyces dolicholi* (Promycetes)  
 CALADIUM:  
 †*Meloidogyne arenaria* (Nematoda)  
 †*M. arenaria arenaria* (Nematoda)  
 †*M. incognita* (Nematoda)  
 †*M. incognita acrita* (Nematoda)  
 CAMELLIA:  
 †*Diaporthe camelliae* (Ascomycetes)  
 CANNA:  
 †*Meloidogyne incognita acrita* (Nematoda)  
 CAPSICUM:  
 †*Meloidogyne incognita* (Nematoda)  
 CARTHAMUS:  
 †*Puccinia carthami* (Promycetes)  
 CARYOPTERIS:  
 †*Meloidogyne javanica* (Nematoda)  
 CASTANEA:  
 †*Cylindrosporium castanae* (Deuteromycetes)  
 CATASETUM:  
 †*Sphenospora kevorkianii* (Promycetes)  
 †*S. mera* (Promycetes)  
 †*Uredo guacae* (Promycetes)  
 †*U. nigropuncta* (Promycetes)  
 CATTLEYA:  
 †*Myiocopron corrientinum* (Deuteromycetes)  
 CEDRELA:  
 †*Phomopsis cedrelae* (Deuteromycetes)  
 CEPHALOCEREUS:  
 †*Pyrenochaeta spinicola* (Deuteromycetes)  
 CHAMAEDOREA:  
 †*Dendroochium rubellum* (Deuteromycetes)  
 CHRYSANTHEMUM:  
 †*Meloidogyne hapla* (Nematoda)  
 †*Puccinia horiana* (Promycetes)  
 †*Septoria leucanthemi* (Deuteromycetes)  
 CIRSIUM:  
 †*Meloidogyne javanica* (Nematoda)  
 CITRULLUS:  
 Tobacco ring spot virus (Virus)  
 CITRUS AURANTIFOLIA:  
 †*Coniella diplodiella* (Deuteromycetes)  
 †*Elsinoe australis* (Ascomycetes)  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS AURANTIUM:  
 †*Ascochyta citri* (Deuteromycetes)  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS AURANTIUM X C. RETICULATA:  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS GRANDIS:  
 †*Ascochyta citri* (Deuteromycetes)  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS ICHANGENSIS VAR.:  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS ICHANGENSIS X C. RETICULATA:  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS LIMON:  
 †*Ascochyta citri* (Deuteromycetes)  
 †*Elsinoe australis* (Ascomycetes)  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
 †*Septoria citri* (Deuteromycetes)  
 †*S. limonum* (Deuteromycetes)  
 †*Sphaceloma faucettii* var. *scabiosa* (Deuteromycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
 †*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)  
 CITRUS PARADISI:  
 †*Elsinoe australis* (Ascomycetes)  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS PARADISI X C. RETICULATA:  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
 CITRUS RETICULATA:  
 †*Coniothecium scabrum* (Deuteromycetes)  
 †*Elsinoe australis* (Ascomycetes)  
 †"Greasy spot"  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
 †*Septoria citri* (Deuteromycetes)  
 †*Xanthomonas citri* (Schizomycetes)  
 †*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)  
 CITRUS RETICULATA HYBRID:  
 †*Elsinoe australis* (Ascomycetes)  
 CITRUS RETICULATA X C. SINENSIS:  
 †*Elsinoe australis* (Ascomycetes)  
 †*Xanthomonas citri* (Schizomycetes)

See footnotes at end of the list.

## Hosts and Diseases—Continued

- CITRUS SINENSIS:  
*Elsinoe australis* (Ascomycetes)  
 †“Greasy spot”  
 †*Guignardia (Phoma) citricarpa* (Ascomycetes)  
*Septoria citri* (Deuteromycetes)  
*Xanthomonas citri* (Schizomycetes)  
*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)
- CITRUS SP.:  
*Guignardia (Phoma) citricarpa* (Ascomycetes)  
*Xanthomonas citri* (Schizomycetes)
- CLEMATIS:  
 †*Meloidogyne hapla* (Nematoda)  
 †*Phoma demissa* (Deuteromycetes)  
*Pratylenchus penetrans* (Nematoda)
- COCHLIODA:  
 †*Sphenospora kevorkianii* (Promycetes)
- COCOS:  
 †*Diplodia coccocarpa* (Deuteromycetes)
- COLCHICUM:  
*Ditylenchus destructor* (Nematoda)
- COLEUS:  
*Meloidogyne incognita* (Nematoda)
- COLOCASIA:  
*Meloidogyne incognita* (Nematoda)
- CORDYLINE:  
*Meloidogyne incognita* (Nematoda)
- CRASSULA:  
*Scutellonema brachyurum* (Nematoda)
- CUPHEA:  
 †*Cercospora cupheae* (Deuteromycetes)
- CYCNOCHES:  
 †*Sphenospora mera* (Promycetes)
- CYRTOPODIUM:  
*Sphenospora kevorkianii* (Promycetes)
- DAHLIA:  
*Corynebacterium fascians* (Schizomycetes)  
*Meloidogyne arenaria thamesi* (Nematoda)  
 †*Pratylenchus coffeae* (Nematoda)
- DAUCUS:  
*Meloidogyne incognita* (Nematoda)
- DELPHINIUM:  
*Meloidogyne hapla* (Nematoda)
- DENDROBIUM:  
*Phyllostictina pyriformis* (Deuteromycetes)  
 †*Uredo behnickiana* (Promycetes)
- DIACRIUM:  
*Uredo oncidii* (Promycetes)
- DIEFFENBACHIA:  
*Meloidogyne incognita* (Nematoda)
- DIOSCOREA:  
*Meloidogyne arenaria* (Nematoda)  
*M. javanica* (Nematoda)  
 †*Pratylenchus coffeae* (Nematoda)  
*Scutellonema bradys* (Nematoda)
- DRACAENA:  
*Meloidogyne javanica* (Nematoda)
- ECHEVERIA:  
*Meloidogyne incognita* (Nematoda)
- ELYMUS:  
 †*Phyllachora graminis* (Ascomycetes)
- EPIDENDRUM:  
*Cercospora angraeci* (Deuteromycetes)  
 †*Ophiosthella orchidearum* (Ascomycetes)  
 †*Sphenospora kevorkianii* (Promycetes)  
 †*S. saphena* (Promycetes)  
 †*Uredo behnickiana* (Promycetes)  
*U. nigropuncta* (Promycetes)
- EPIPHYLLUM:  
*Meloidogyne incognita* (Nematoda)
- ERYTHRINA:  
 †*Cercospora erythrinae* (Deuteromycetes)
- EUPHORBIA:  
*Meloidogyne incognita acrita* (Nematoda)  
*M. javanica* (Nematoda)
- FAGRAEA:  
 †*Meloidogyne incognita acrita* (Nematoda)
- FICUS:  
 †*Cerotelium fici* (Promycetes)  
*Meloidogyne incognita acrita* (Nematoda)  
 †*Phlyctaena ficuum* (Deuteromycetes)  
 †*Scutellonema brachyurum* (Nematoda)
- FORTUNELLA(?):  
*Guignardia (Phoma) citricarpa* (Ascomycetes)
- FRAGARIA:  
 †*Marssonina fragariae* (Deuteromycetes)  
 †*Meloidogyne hapla* (Nematoda)  
*M. javanica* (Nematoda)  
 †*Mycosphaerella fragariae* (Ascomycetes)
- FRAXINUS:  
 †*Pleospora samarae* (Ascomycetes)
- GARDENIA:  
*Meloidogyne incognita* (Nematoda)  
*M. incognita acrita* (Nematoda)
- GERBERA:  
 †*Meloidogyne hapla* (Nematoda)  
*M. javanica* (Nematoda)
- GEUM:  
*Meloidogyne hapla* (Nematoda)
- GLADIOLUS:  
*Ditylenchus destructor* (Nematoda)  
*Meloidogyne arenaria thamesi* (Nematoda)  
*M. incognita* (Nematoda)  
*M. incognita acrita* (Nematoda)  
*M. javanica* (Nematoda)
- GOSSYPIUM:  
 †*Phakopsora gossypii* (Promycetes)
- GYPSOPHYLLA:  
*Meloidogyne incognita* (Nematoda)
- HEBE:  
 †*Septoria exotica* (Deuteromycetes)
- HEDERA:  
*Cryptocline paradoxa* (Deuteromycetes)  
*Phyllosticta hedericola* (Deuteromycetes)  
 †*Xanthomonas hederiae* (Schizomycetes)
- HEDYCHIUM:  
 †*Meloidogyne arenaria* (Nematoda)
- HELICONIA:  
 †*Meloidogyne incognita* (Nematoda)
- HEPATICA:  
*Meloidogyne hapla* (Nematoda)
- HIBISCUS:  
 †*Meloidogyne javanica javanica* (Nematoda)
- HORDEUM:  
 †*Typhula itoana* (Basidiomycetes)
- HOSTA:  
*Meloidogyne arenaria thamesi* (Nematoda)  
*M. incognita* (Nematoda)
- HUNTLEYA:  
*Uredo guacae* (Promycetes)
- ILEX:  
 †*Rhytisma ilicis-latifoliae* (Ascomycetes)
- IONOPSIS:  
*Sphenospora kevorkianii* (Promycetes)  
 †*S. mera* (Promycetes)  
*S. saphena* (Promycetes)
- IPOMOEA:  
 †*Meloidogyne incognita* (Nematoda)  
*M. incognita acrita* (Nematoda)
- IRIS:  
*Meloidogyne javanica* (Nematoda)  
 †*M. javanica javanica* (Nematoda)  
 †*Puccinia iridis* (Promycetes)
- IXORA:  
 †*Meloidogyne javanica javanica* (Nematoda)
- JASMINUM:  
 †*Puccinia abyssinica* (Promycetes)
- JATROPHA:  
*Phakopsora jatrophiicola* (Promycetes)
- JUNCUS:  
*Uromyces junci* (Promycetes)
- JUNIPERUS:  
*G. haraeannum* (Promycetes)  
 †*Lophodermium juniperinum* (Ascomycetes)
- KAEMPFERIA:  
*Meloidogyne incognita* (Nematoda)
- LABURNUM:  
*Coniothyrium cytisellum* (Deuteromycetes)
- LACTUCA:  
 †*Meloidogyne arenaria* (Nematoda)  
 †*M. incognita acrita* (Nematoda)
- LAELIA:  
*Phyllostictina pyriformis* (Deuteromycetes)  
*Uredo behnickiana* (Promycetes)
- LENS:  
*Uromyces fabae* (Promycetes)

See footnotes at end of this list.

## Hosts and Diseases—Continued

- LESPEDEZA:**  
*Uromyces lespedezae-procumbentis* (Promycetes)
- LIGULARIA:**  
*Pratylenchus penetrans* (Nematoda)
- LONICERA:**  
*Meloidogyne incognita* (Nematoda)
- LYCOPERSICON:**  
 †*Meloidogyne incognita incognita* (Nematoda)  
 †Tobacco mosaic virus (Virus)
- MACROZAMIA:**  
*Dothiorella pericarpica* (Deuteromycetes)
- MAHONIA:**  
*Cumminsiiella mirabilissima* (Promycetes)
- MALUS:**  
 †*Dendrophoma pulvis-pyrius* (Deuteromycetes)  
*Elisinoe piri* (Ascomycetes)  
*Monilinia fructigena* (Ascomycetes)  
 †*Pratylenchus scribneri* (Nematoda)
- MANGIFERA:**  
 †*Elsinoe mangiferae* (Ascomycetes)
- MAXILLARIA:**  
*Uredo behnickiana* (Promycetes)
- MILTONIA:**  
*Sphenospora kevorkianii* (Promycetes)  
 †*S. mera* (Promycetes)
- MUSA:**  
 †*Macrophoma musae* (Deuteromycetes)
- NARCISSUS:**  
*Aphelenchoides subtenuis* (Nematoda)  
*Ditylenchus dipsaci* (Nematoda)
- NOTYLIA:**  
 †*Sphenospora kevorkianii* (Promycetes)
- ODONTOGLOSSUM:**  
*Ophiodothella orchidearum* (Ascomycetes)
- OENOTHERA:**  
*Meloidogyne hapla* (Nematoda)
- OLEA:**  
 †*Macrophoma dalmatica* (Deuteromycetes)
- ONCIDIUM:**  
 †*Myiocopron corrientinum* (Deuteromycetes)  
 †*Sphenospora kevorkianii* (Promycetes)  
 †*S. saphena* (Promycetes)  
*Uredo behnickiana* (Promycetes)  
*U. guacae* (Promycetes)  
*U. oncidii* (Promycetes)
- ORCHID:**  
*Cercospora odontoglossi* (Deuteromycetes)  
 †*Chaetopeltopsis tenuissima* (Ascomycetes)  
*Ophiodothella orchidearum* (Ascomycetes)  
*Phyllostictina pyriformis* (Deuteromycetes)  
 †*Sphenospora kevorkianii* (Promycetes)  
*S. mera* (Promycetes)  
 †*Uredo behnickiana* (Promycetes)  
*U. epidendri* (Promycetes)  
*U. guacae* (Promycetes)  
*U. oncidii* (Promycetes)
- ORNITHOCEPHALUS:**  
*Sphenospora kevorkianii* (Promycetes)
- ORNITHOGALUM:**  
*Didymellina ornithogali* (Ascomycetes)  
*Meloidogyne incognita* (Nematoda)  
*M. javanica* (Nematoda)  
*Puccinia ornithogali-thyrsoides* (Promycetes)
- ORYZA:**  
*Diplodia oryzae* (Deuteromycetes)  
 †*Neovossia horrida* (Promycetes)  
*Septoria oryzae* (Deuteromycetes)
- PALM:**  
 †*Mycosphaerella palmae* (Ascomycetes)  
 †*Stigmia palmivora* (Deuteromycetes)
- PARKINSONIA:**  
 †*Phyllosticta parkinsoniae* (Deuteromycetes)
- PELARGONIUM:**  
 †*Coniothyrium trabutii* (Deuteromycetes)  
*Meloidogyne hapla* (Nematoda)
- PEPEROMIA:**  
*Meloidogyne arenaria* (Nematoda)
- PETROSELINUM:**  
 †*Meloidogyne incognita* (Nematoda)
- PHASEOLUS:**  
*Elsinoe phaseoli* (Ascomycetes)  
 †*Phyllosticta phaseolina* (Deuteromycetes)
- PHRAGMITES:**  
*Lophodermium arundinaceum* (Ascomycetes)
- †*Pleospora microspora* (Ascomycetes)
- PICEA:**  
 †*Lophodermium piceae* (Ascomycetes)
- PINUS:**  
 †*Mycosphaerella acicola* (Ascomycetes)
- POLIANTHES:**  
*Meloidogyne incognita* (Nematoda)  
*M. javanica* (Nematoda)
- POLYGONUM:**  
 †*Puccinia polygoni-amphibii* (Promycetes)
- POLYSTACHYA:**  
*Uredo guacae* (Promycetes)
- POPULUS:**  
 †*Cercospora populina* (Deuteromycetes)
- POTENTILLA:**  
*Meloidogyne hapla* (Nematoda)
- PROTEA:**  
*Leptosphaeria protearum* (Ascomycetes)  
*Phaeosphaerella senniana* (Ascomycetes)
- PRUNUS:**  
*Monilinia fructigena* (Ascomycetes)
- PTEROCARPUS:**  
 †*Myiocopron pereirae* (Deuteromycetes)
- PUNICA:**  
*Cercospora punicae* (Deuteromycetes)  
*Cytospora punica* (Deuteromycetes)  
 †*Sphaceloma punicae* (Deuteromycetes)
- PYRETHRUM:**  
*Meloidogyne hapla* (Nematoda)
- PYRUS:**  
*Septoria piricola* (Deuteromycetes)
- QUERCUS:**  
*Cronartium quercuum* (Promycetes)  
*Dothiorella phomiformis* (Deuteromycetes)
- RAVENALA:**  
*Meloidogyne incognita* (Nematoda)
- RHODODENDRON:**  
*Chrysomyxa ledi* var. *rhododendri* (Promycetes)
- RHYNCHOSTYLIS:**  
*Phyllostictina pyriformis* (Deuteromycetes)
- RIBES:**  
*Cronartium ribicola* (Promycetes)
- RODRIGUEZIA:**  
 †*Sphenospora kevorkianii* (Promycetes)
- ROSA:**  
 †Rose mosaic—yellow type (Virus)  
 †*Sphaceloma rosarum* (Deuteromycetes)
- RUBUS:**  
*Kuehneola uredinis* (Promycetes)
- RUSCUS:**  
*Phyllosticta ruscicola* (Deuteromycetes)
- SALIX:**  
 †*Cytospora translucens* (Deuteromycetes)  
 †*Diplodina salicis* (Deuteromycetes)
- SANSEVIERIA:**  
*Meloidogyne incognita* (Nematoda)
- SASA:**  
*Puccinia longicornis* (Promycetes)
- SEDUM:**  
*Meloidogyne incognita acrita* (Nematoda)
- SIMMONDSIA:**  
 †*Strumella simmondsiae* (Deuteromycetes)
- SOIL:**  
 †*Criconema celetum* (Nematoda)  
 †*Criconemoides curvatum* (Nematoda)  
*C. mutabile* (Nematoda)  
 †*C. peruense* (Nematoda)  
 †*Helicotylenchus buxophilus* (Nematoda)  
 †*H. dihystra* (Nematoda)  
*H. nannus* (Nematoda)  
 †*Heterodera avenae* (Nematoda)  
 †*H. cacti* (Nematoda)  
*H. humuli* (Nematoda)  
 †*H. punctata* (Nematoda)  
*H. rostochiensis* (Nematoda)  
 †*Pratylenchus coffeae* (Nematoda)  
*Rotylenchus robustus* (Nematoda)  
 †*Scutellonema brachyurum* (Nematoda)  
 †*Tylenchorhynchus acti* (Nematoda)  
*T. capitatus* (Nematoda)  
 †*T. claytoni* (Nematoda)  
 †*T. dubius* (Nematoda)
- SOLANUM STOLONIFERUM:**  
*Thecaphora solani* (Promycetes)

See footnotes at end of this list.

*Hosts and Diseases—Continued*

SOLANUM TUBEROSUM:	TRICYRTIS:
† <i>Meloidogyne arenaria</i> (Nematoda)	‡ <i>Pratylenchus penetrans</i> (Nematoda)
† <i>M. arenaria thamesi</i> (Nematoda)	TRITICUM:
† <i>M. incognita</i> (Nematoda)	‡ <i>Leptosphaeria eustomoides</i> (Ascomycetes)
† <i>M. incognita acrita</i> (Nematoda)	ULMUS:
† <i>Trichocladium asperum</i> (Deuteromycetes)	‡ <i>Meloidogyne arenaria</i> (Nematoda)
SOLANUM CV.:	VANDA:
‡ <i>Meloidogyne incognita</i> (Nematoda)	‡ <i>Phyllostictina pyriformis</i> (Deuteromycetes)
SORBUS:	VIBURNUM:
† <i>Gymnosporangium cornutum</i> (Promycetes)	‡ <i>Meloidogyne hapla</i> (Nematoda)
SORGHUM:	† <i>M. javanica</i> (Nematoda)
† <i>Sphacelotheca reiliana</i> (Promycetes)	VITIS:
SPONDIAS:	† <i>Elsinoe ampelina</i> (Ascomycetes)
† <i>Chaetopeltopsis tenuissima</i> (Ascomycetes)	YUCCA:
† <i>Sphaceloma spondiadis</i> (?) (Deuteromycetes)	† <i>Strickeria obducens</i> (Ascomycetes)
STACHYTARPHETA:	ZANTEDESCHIA:
‡ <i>Puccinia urbaniana</i> (Promycetes)	‡ <i>Meloidogyne incognita</i> (Nematoda)
STANHOPEA:	† <i>M. incognita acrita</i> (Nematoda)
‡ <i>Cercospora angraeci</i> (Deuteromycetes)	‡ <i>M. javanica</i> (Nematoda)
‡ <i>Phyllostictina pyriformis</i> (Deuteromycetes)	ZEBRINA:
‡ <i>Uredo guacae</i> (Promycetes)	‡ <i>Meloidogyne incognita</i> (Nematoda)
STENORYNCHUS:	ZELKOVA:
† <i>Uredo neopustulata</i> (Promycetes)	† <i>Fusarium larvarum</i> (Deuteromycetes)
TAXODIUM:	ZINGIBER:
† <i>Mycoisphaerella taxodii</i> (Ascomycetes)	† <i>Meloidogyne arenaria</i> (Nematoda)
TECOMA:	‡ <i>M. incognita acrita</i> (Nematoda)
‡ <i>Prospodium appendiculatum</i> (Promycetes)	† <i>M. javanica</i> (Nematoda)
TEUCRIUM:	† <i>M. javanica javanica</i> (Nematoda)
‡ <i>Meloidogyne hapla</i> (Nematoda)	‡ <i>Radopholus similis</i> (Nematoda)
THUJA:	ZINNIA:
† <i>Didymascella (Keithia) thujina</i> (Ascomycetes)	† <i>Alternaria zinniae</i> (Deuteromycetes)
TILLANDSIA:	ZYGOPETALUM:
† <i>Uredo nidularii</i> (Promycetes)	‡ <i>Uredo guacae</i> (Promycetes)
	‡ <i>U. oncidii</i> (Promycetes)

*Hosts Unknown*

GRASS:	† <i>P. ultimum</i> (Phycomycetes)
† <i>Phyllachora graminis</i> (Ascomycetes)	SUCCULENT:
ROOTS:	‡ <i>Meloidogyne arenaria</i> (Nematoda)
† <i>Pythium intermedium</i> (Phycomycetes)	WOOD:
† <i>P. mamillatum</i> (Phycomycetes)	† <i>Hypoxyton marginatum</i> (Ascomycetes)
† <i>P. salpingophorum</i> (Phycomycetes)	

A dagger (†) indicates a first interception from the country of origin.

A double dagger (‡) indicates a first interception by Division inspectors.

## Countries of Origin and Diseases

- AFGHANISTAN:  
†*Xanthomonas citri*
- ANTIGUA:  
†*Sphenospora kevorkianii*
- ARGENTINA:  
†*Criconemoides curvatum*  
*Elsinoe australis*  
*Guignardia (Phoma) citricarpa*  
†*Helicotylenchus dihystra*  
†*Heterodera punctata*  
*Meloidogyne arenaria*  
*Xanthomonas* sp. (Cancrosis B)
- ASIA (country(?)):  
*Guignardia (Phoma) citricarpa*
- AUSTRALIA:  
*Cryptospora longispora*  
*Dothiorella pericarpica*  
*Guignardia (Phoma) citricarpa*  
*Macrophoma araucariae*  
†*Pratylenchus coffeae*  
*Sphaceloma jawcettii* var. *scabiosa*
- AUSTRIA:  
*Chrysomyxa ledi* var. *rhododendri*  
*Heterodera avenae*  
*H. cacti*
- AZORES:  
†*Helicotylenchus dihystra*  
†*Heterodera avenae*  
†*Meloidogyne incognita acrita*  
*Rotylenchus robustus*
- BAHAMAS:  
*Cercospora angraeci*  
†*Mycosphaerella palmae*  
†*Sphaerophragmium acaciae*
- BAHAMAS (?):  
*Sphenospora kevorkianii*
- BELGIUM:  
†*Heterodera cacti*  
*H. punctata*
- BERMUDA:  
†*Puccinia iridis*
- BRAZIL:  
*Elsinoe australis*  
*Guignardia (Phoma) citricarpa*  
†*Helicotylenchus dihystra*  
†*Meloidogyne arenaria*  
*M. incognita*  
†*Myiocopron pereirae*  
†*Scutellonema brachyurum*  
*Sphenospora kevorkianii*  
*Uredo behnickiana*  
*Xanthomonas* sp. (Cancrosis B)
- BRITISH HONDURAS:  
†*Myiocopron corrientinum*  
*Sphenospora kevorkianii*  
*Uredo oncidii*
- CANADA:  
†*Alternaria zinniae*  
*Cronartium ribicola*  
†*Didymascella (Kiethia) thujina*  
*Mycosphaerella fragariae*  
†*Pratylenchus scribneri*
- CANAL ZONE:  
*Cercospora angraeci*  
†*Meloidogyne javanica javanica*  
†*Nectria infusaria*  
*Sphenospora kevorkianii*  
†*S. mera*  
*Uredo guacae*  
*U. oncidii*
- CANARY ISLANDS:  
†*Heterodera avenae*
- CHILE:  
*Meloidogyne incognita acrita*
- CHINA:  
*Guignardia (Phoma) citricarpa*  
*Uromyces fabae*  
*Xanthomonas citri*
- COLOMBIA:  
†Rose mosaic—yellow type  
†*Sphenospora kevorkianii*  
†*Uredo nidularii*
- COSTA RICA:  
†*Heterodera cacti*  
†*Meloidogyne javanica*  
†*Ophiodothella orchidearum*  
*Sphenospora kevorkianii*  
*Uredo behnickiana*  
*U. guacae*  
*U. nidularii*
- CUBA:  
*Meloidogyne incognita*  
*M. javanica*  
*Scutellonema bradys*
- CZECHOSLOVAKIA:  
*Lophodermium arundinaceum*
- DENMARK:  
†*Diplodina salicis*  
*Heterodera rostochiensis*  
†*Phyllachora graminis*
- DOMINICA:  
†*Phomopsis cedrelae*
- DOMINICAN REPUBLIC:  
†*Cerotelium fici*  
†*Elsinoe mangiferae*  
*Meloidogyne incognita*  
*Phakopsora jatrophiicola*  
†*Sphaceloma punicae*  
†*Sphenospora saphena*
- ECUADOR:  
†*Meloidogyne incognita*  
*Sphenospora kevorkianii*  
†*Uredo behnickiana*  
*U. oncidii*
- ENGLAND:  
*Chrysomyxa ledi* var. *rhododendri*  
*Ditylenchus dipsaci*  
*Helicotylenchus dihystra*  
*Heterodera avenae*  
*H. cacti*  
*H. punctata*  
*H. rostochiensis*  
†*Lophodermium juniperinum*  
*Meloidogyne hapla*  
†*Meloidogyne javanica*  
*Phyllosticta hedericola*  
*Puccinia buxi*  
*Septoria leucanthemi*  
†*Sphaceloma rosarum*  
†*Sphenospora kevorkianii*  
†*Tylenchorhynchus dubius*  
†*Uromyces betae*  
†*Xanthomonas hederiae*
- ETHIOPIA:  
†*Puccinia abyssinica*  
†*Steganosporium foliicolum*
- FEDERATION OF MALAYA:  
*Guignardia (Phoma) citricarpa*  
*Xanthomonas citri*
- FINLAND:  
†*Gymnosporangium cornutum*
- FORMOSA:  
†*Ascochyta citri*  
*Guignardia (Phoma) citricarpa*  
*Xanthomonas citri*
- FRANCE:  
*Cumminsella mirabilissima*  
*Heterodera avenae*  
*H. cacti*  
*H. rostochiensis*  
*Kuehneola uredinis*  
†*Meloidogyne hapla*  
*Meloidogyne javanica*  
*Monilinia fructigena*  
†*Phoma demissa*  
†*Rhytisma acerinum*  
†*R. punctatum*  
†*Septoria leucanthemi*  
†*S. minimum*
- GERMANY:  
†*Ascochyta armoraciae*  
*Chrysomyxa ledi* var. *rhododendri*  
†*Elsinoe ampelina*  
*Heterodera avenae*  
*H. cacti*  
*H. humuli*

See footnotes at end of this list.



## Countries of Origin and Diseases—Continued

## GERMANY—Continued

*H. punctata*  
*H. rostockiensis*  
*Lophodermium arundinaceum*  
*Meloidogyne hapla*  
†*M. javanica*  
*Monilinia fructigena*  
*Mycosphaerella fragariae*  
*Puccinia buxi*  
*Rotylenchus robustus*  
*Sphaceloma rosarum*

## GREECE:

†*Puccinia carthami*  
*Uromyces junci*

## GREECE(?):

†*Septoria exotica*

## GUADELOUPE:

†“Greasy spot”

## GUAM:

*Xanthomonas citri*

## GUATEMALA:

*Meloidogyne arenaria*  
†*M. arenaria arenaria*  
†*M. incognita acrita*  
*Phyllostictina pyriformis*  
†*Scutellonema brachyurum*  
†*Sphenospora kevorkianii*  
†*S. mera*

## HAITI:

†*Phakopsora gossypii*  
†*Puccinia iridis*  
*Sphenospora kevorkianii*

## HAWAII:

*Macrophoma musae*  
*Phyllostictina pyriformis*  
*Radopholus similis*  
*Uromyces alyxiae*

## HONDURAS:

†*Phyllachora engleri*  
†*P. graminis*  
*Sphenospora kevorkianii*  
†*Uredo behnickiana*  
†*U. guacae*  
*U. oncidii*

## HONG KONG:

*Guignardia (Phoma) citricarpa*  
*Xanthomonas citri*

## INDIA:

*Graphiola borassi*  
*Meloidogyne arenaria*  
†*M. hapla*  
*M. incognita*  
*M. javanica*  
*Xanthomonas citri*

## INDONESIA:

*Xanthomonas citri*

## IRELAND:

*Heterodera punctata*  
*H. rostockiensis*  
*Puccinia buxi*

## ITALY:

*Aphelenchoides subtenuis*  
*Chrysomyxa ledi* var. *rhododendri*  
†*Cylindrosporium castaneae*  
†*Dendrophoma pulvis-pyrius*  
†*Elsinoe ampelina*  
*Helicotylenchus nannus*  
*Heterodera avenae*  
*H. cacti*  
*H. punctata*  
*Meloidogyne incognita*  
*M. incognita acrita*  
†*Neovossia horrida*  
*Phyllosticta ruscicola*  
†*Pleospora samarae*  
†*Pseudolachnea bubakii*  
*Puccinia buxi*  
*Septoria citri*  
*S. limonum*  
*S. piricola*  
†*Stigmia palmivora*  
†*Tylenchorhynchus claytoni*

## JAMAICA:

†“Greasy spot”  
†*Meloidogyne javanica javanica*  
†*Pratylenchus coffeae*

*Sphenospora kevorkianii*  
*S. saphena*  
*Uredo behnickiana*  
*U. guacae*  
†*U. neopustulata*  
*U. nigropuncta*  
*U. oncidii*

## JAPAN:

*Aphelenchoides fragariae*  
*Ascochyta citri*  
†*Coniothecium scabrum*  
*Cronartium quercuum*  
*Diplodia oryzae*  
*Dothiorella phomiformis*  
†*Fusarium larvarum*  
*Guignardia (Phoma) citricarpa*  
*Gymnosporangium haraeae*  
*Leptosphaeria eustomoides*  
*Meloidogyne arenaria*  
*M. arenaria thamesi*  
*M. hapla*  
*M. incognita*  
*M. incognita acrita*  
*M. javanica*  
*Mycosphaerella schoenoprasii*  
*Neovossia horrida*  
*Puccinia horiana*  
*P. longicornis*  
†*Rhizisma ilicis-latifoliae*  
*Septoria citri*  
*S. oryzae*  
†*Trichocladium asperum*  
†*Typhula itoana*  
*Uromyces lespedezae-procumbentis*  
*Xanthomonas citri*

## KOREA:

†*Guignardia (Phoma) citricarpa*

## LEBANON:

†*Macrophoma dalmatica*

## MACAO:

*Guignardia (Phoma) citricarpa*

## MEXICO:

†*Cercospora cupheae*  
†*C. erythrinae*  
*C. odontoglossi*  
†*C. populina*  
*C. punicae*  
†*Chaetopeltopsis tenuissima*  
†*Coniella diplodiella*  
*Coniothyria agaves*  
†*Coniothyrium trabutii*  
†*Criconema celetum*  
†*Criconemoides curvatum*  
*C. mutabile*  
†*C. peruense*  
*Cronartium quercuum*  
*Cytospora punica*  
†*Dendrodochium rubellum*  
*Ditylenchus dipsaci*  
†*Helicotylenchus buxophilus*  
†*H. dihystra*  
*H. nannus*  
*Heterodera cacti*  
*H. punctata*  
*H. rostockiensis*  
*Meloidogyne arenaria*  
*M. incognita*  
*M. incognita acrita*  
†*M. incognita incognita*  
*M. javanica*  
†*Mycosphaerella taxodii*  
†*Myiocopron corrientinum*  
*Ophiodothella orchidearum*  
*Papularia vinosa*  
†*Phyllosticta bromeliae*  
†*P. parkinsoniae*  
†*P. phaseolina*  
*Phyllostictina pyriformis*  
†*Phlyctaena ficuum*  
†*Pratylenchus coffeae*  
*Prosopidium appendiculatum*  
*Pyrenochaeta spinicola*  
*Scutellonema brachyurum*  
*Sphaceloma punicae*

See footnotes at end of this list.

## Countries of Origin and Diseases—Continued

## MEXICO—Continued

†*Sphenospora kevorkianii*  
 †*S. saphena*  
*S. mera*  
*Stomatogene agaves*  
 †*Strickeria obducens*  
 †*Strumella simmondsiae*  
*Thecaphora solani*  
 Tobacco ring spot virus  
 †*Tylenchorhynchus acti*  
*T. capitatus*  
*Uredo behnickiana*  
*U. nidularii*  
*U. oncidii*

MOROCCO:  
 †*Heterodera punctata*  
 †*Meloidogyne incognita acrita*

MOZAMBIQUE:  
*Guignardia (Phoma) citricarpa*

NEPAL:  
 †*Macrophoma musae*

NETHERLANDS:  
 †*Alternaria zinniae*  
*Coniothyrium cytisellum*  
*Cryptocline paradoxa*  
*Ditylenchus destructor*  
*Heterodera punctata*  
*H. rostochiensis*  
*Meloidogyne arenaria*  
*M. hapla*  
*M. incognita acrita*  
 †*Pleospora microspora*  
*Pratylenchus penetrans*  
*Rotylenchus robustus*  
 †*Septoria minimum*

NEW ZEALAND:  
*Cryptospora longispora*  
 †*Diaporthe camelliae*  
*Macrophoma araucariae*  
 †*Mycosphaerella schoenoprasii*

NICARAGUA:  
 †*Diplodia coccocarpa*

NORFOLK ISLAND:  
*Cryptospora longispora*  
*Macrophoma araucariae*

NORWAY:  
 †*Gymnosporangium cornutum*  
*Heterodera punctata*  
*Leptosphaeria eustomoides*

OKINAWA:  
*Guignardia (Phoma) citricarpa*

PAKISTAN:  
 †*Sphacelotheca reiliana*

PANAMA:  
 †*Meloidogyne arenaria*  
 †*M. incognita*  
*Sphenospora kevorkianii*  
 †*S. mera*  
*Uredo guacae*  
 †*U. nidularii*

PARAGUAY:  
*Elsinoe australis*

PERU:  
 †*Heterodera cacti*  
*H. rostochiensis*  
*Meloidogyne arenaria*  
*Sphenospora kevorkianii*  
*S. mera*  
*Uredo guacae*  
 †*U. nigropuncta*  
*U. oncidii*

PHILIPPINES:  
*Guignardia (Phoma) citricarpa*  
 †*Hypoxyton marginatum*

POLAND:  
*Heterodera rostochiensis*  
 †*Mycosphaerella fragariae*

PORTUGAL:  
 †*Heterodera punctata*  
 †*Meloidogyne incognita*

PUERTO RICO:  
 †*Chaetopeltopsis tenuissima*  
*Elsinoe mangiferae*  
*E. phaseoli*

*Puccinia urbaniana*  
 †*Sphaceloma spondiadis* (?)  
*Uromyces dolicholi*

REPUBLIC OF SOUTH AFRICA:  
*Didymellina ornithogali*  
*Guignardia (Phoma) citricarpa*  
*Leptosphaeria protearum*  
*Meloidogyne incognita*  
*M. incognita acrita*  
*M. javanica*  
*Phaeosphaerella senniana*  
*Puccinia ornithogali-thyrsooides*

SCOTLAND:  
*Heterodera rostochiensis*

SIERRA LEONE:  
 †*Meloidogyne incognita*

SINGAPORE:  
*Guignardia (Phoma) citricarpa*  
*Macrophoma musae*

SPAIN:  
 †*Dothidella depazeoides*  
*Elsinoe piri*  
 †*Meloidogyne javanica*  
*Monilinia fructigena*  
*Mycosphaerella schoenoprasii*  
*Septoria citri*  
 †*S. limonum*

SWEDEN:  
 †*Heterodera cacti*  
*H. punctata*  
*H. rostochiensis*  
*Monilinia fructigena*

SWITZERLAND:  
*Chrysomyza ledi* var. *rhododendri*  
 †*Cytospora translucens*  
 †*Lophodermium piceae*  
 †*Meloidogyne hapla*

TAHITI:  
 †*Meloidogyne incognita acrita*

TAHITI (?):  
 †*Guignardia (Phoma) citricarpa*

THAILAND:  
*Guignardia (Phoma) citricarpa*  
*Phyllostictina pyriformis*  
*Xanthomonas citri*

TRINIDAD:  
*Meloidogyne incognita*  
*Sphenospora kevorkianii*  
 †*S. saphena*

UNION OF SOVIET SOCIALIST REPUBLICS:  
 †*Puccinia polygoni-amphibii*  
 †*Pythium intermedium*  
 †*P. mamillatum*  
 †*P. salpingophorum*  
 †*P. ultimum*

UNKNOWN:  
*Chrysomyza ledi* var. *rhododendri*  
*Corynebacterium fascians*  
*Cumminsella mirabilissima*  
*Elsinoe australis*  
*Guignardia (Phoma) citricarpa*  
*Heterodera punctata*  
*H. rostochiensis*  
*Kuehneola uredinis*  
 †*Mycosphaerella acicola*  
*Puccinia buxi*  
*Septoria citri*  
*Uredo behnickiana*  
*Xanthomonas citri*  
*Xanthomonas* sp. (Cancrosis B)

URUGUAY:  
*Elsinoe australis*  
*Xanthomonas* sp. (Cancrosis B)

VENEZUELA:  
 †*Marssonina fragariae*  
 †Tobacco mosaic virus  
*Uredo epidendri*

VIETNAM:  
*Guignardia (Phoma) citricarpa*

WALES:  
*Heterodera punctata*

WEST AFRICA:  
 †*Meloidogyne arenaria*

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.