

**List of Exotic Arthropod Species Established in Florida (Arranged by Year of Discovery or Publication)**

|    | <b>Order</b> | <b>Family</b>   | <b>Organism</b>                            | <b>Year</b> | <b>Origin</b> | <b>County First Found</b> |
|----|--------------|-----------------|--|-------------|---------------|---------------------------|
| 1  | ACARI        | Phytoseiidae    | Neoseiulus barkeri Hughes                  | 1986        | Europe        | Orange                    |
| 2  | BLATTODEA    | Blattellidae    | Blattella asahinae Mizukubo                | 1986        | Asia          | Polk                      |
| 3  | HEMIPTERA    | Miridae         | Prebops crucifera (Berg)                   | 1986        | Neotropical   | Hardee                    |
| 4  | HOMOPTERA    | Diaspididae     | Aspidiotus tridentifer Ferris              | 1986        | Neotropical   | Dade                      |
| 5  | HOMOPTERA    | Psyllidae       | Calophya schini Tutthill                   | 1986        | Neotropical   | Palm Beach                |
| 6  | HYMENOPTERA  | Agaonidae       | Eupristina masoni Saunders                 | 1986        | Asia          | Dade                      |
| 7  | HYMENOPTERA  | Agaonidae       | Odontofroggata galili Wiebes               | 1986        | Asia          | Dade                      |
| 8  | HYMENOPTERA  | Agaonidae       | Parapristina verticillata (Waterson)       | 1986        | Asia          | Dade                      |
| 9  | HYMENOPTERA  | Agaonidae       | Walkerella yashiroi (Ishii)                | 1986        | Asia          | Dade                      |
| 10 | ACARI        | Eriophyidae     | Acalitus ipomocarneae Keifer               | 1987        | Neotropical   | Martin                    |
| 11 | ACARI        | Varroidae       | Varroa jacobsoni Oudemans                  | 1987        | Asia          | Orange                    |
| 12 | HOMOPTERA    | Diaspididae     | Lepidosaphes laterochitinoso Green         | 1987        | Asia          | Brevard                   |
| 13 | THYSANOPTERA | Thripidae       | Bolacothrips striatopennatus (Schmutz)     | 1987        | Asia          | Hendry                    |
| 14 | COLEOPTERA   | Curculionidae   | a baridine weevil                          | 1988        | Neotropical   | Hillsborough              |
| 15 | HEMIPTERA    | Pentatomidae    | Mecidea major Sailer                       | 1988        | Nearctic      | Pinellas                  |
| 16 | HOMOPTERA    | Aphididae       | Schizaphis rotundiventris Signoret         | 1988        | Asia          | Hillsborough              |
| 17 | HOMOPTERA    | Pseudococcidae  | Hypogeococcus spinosus Ferris              | 1988        | Nearctic      | Sarasota                  |
| 18 | ISOPTERA     | Rhinotermitidae | Incisitermes minor                         | 1988        | Nearctic      | Pinellas                  |
| 19 | THYSANOPTERA | Thripidae       | Dendrothripoides innoxius (Karny)          | 1988        | Asia          | Palm Beach                |
| 20 | THYSANOPTERA | Thripidae       | Organothrips indicus Bhatti                | 1988        | Asia          | Hendry                    |
| 21 | ARANEAE      | Gnaphosidae     | Camillina pulcher (Keyserling)             | 1989        | Neotropical   | Sarasota                  |
| 22 | BLATTODEA    | Blattellidae    | Neoblattella detersa (Walker)              | 1989        | Neotropical   | Dade                      |
| 23 | BLATTODEA    | Blattellidae    | Symploce morsei Hebard                     | 1989        | Neotropical   | Monroe                    |
| 24 | COLEOPTERA   | Bruchidae       | Acanthoscelides macrophthalmus (Schaeffer) | 1989        | Neotropical   | St. Lucie                 |
| 25 | COLEOPTERA   | Bruchidae       | Acanthoscelides quadridentatus (Schaeffer) | 1989        | Neotropical   | Palm Beach                |
| 26 | COLEOPTERA   | Bruchidae       | Caryedes helvinus Motschulsky              | 1989        | Neotropical   | St. Lucie                 |
| 27 | COLEOPTERA   | Bruchidae       | Caryedes incensus (Sharp)                  | 1989        | Neotropical   | St. Lucie                 |
| 28 | COLEOPTERA   | Bruchidae       | Meibomeus surrubesus (Pic)                 | 1989        | Neotropical   | St. Lucie                 |
| 29 | COLEOPTERA   | Curculionidae   | Metamasius callizona (Chevrolat)           | 1989        | Neotropical   | Broward                   |
| 30 | HOMOPTERA    | Diaspididae     | Scobinaspis serrifrons (Leonardi)          | 1989        | Asia          | Dade                      |
| 31 | LEPIDOPTERA  | Pyralidae       | Cactoblastis cactorum (Berg)               | 1989        | Neotropical   | Monroe                    |
| 32 | ARANEAE      | Theraphosidae   | Brachypelma vagans (Ausserer)              | 1989?       | Neotropical   | St. Lucie                 |
| 33 | BLATTODEA    | Blattellidae    | Chorisoneura parishi Rehn                  | 1990        | Neotropical   | Dade                      |
| 34 | BLATTODEA    | Blattellidae    | Ischnoptera bilunata Saussure              | 1990        | Neotropical   | Bay                       |
| 35 | HEMIPTERA    | Miridae         | Proba distanti (Atkinson)                  | 1990        | Neotropical   | Palm Beach                |
| 36 | HEMIPTERA    | Tingidae        | Leptodictya tabida (Herrich-Schaeffen)     | 1990        | Neotropical   | Palm Beach                |
| 37 | HOMOPTERA    | Cicadellidae    | Trypanalebra maculata (Baker)              | 1990        | Neotropical   | Dade                      |
| 38 | HYMENOPTERA  | Megachilidae    | Chalicodoma lanata (F.)                    | 1990        | Neotropical   | St. Lucie                 |
| 39 | ORTHOPTERA   | Acrididae       | Tropidacris c. cristata                    | 1990        | Neotropical   | Broward                   |
| 40 | ACARI        | Eriophyidae     | Tegolophus perseiflorae Kefer              | 1991        | Neotropical   | Dade                      |
| 41 | ARANEAE      | Pholcidae       | Smeringopus pallidus (Blackwall)           | 1991        | Asia          | Indian River              |

|    |              |                  |  |      |              |            |
|----|--------------|------------------|--|------|--------------|------------|
| 42 | BLATTODEA    | Blattellidae     | Ischnoptera nox Hebard                           | 1991 | Neotropical  | Broward    |
| 43 | DIPTERA      | Calliphoridae    | Chrysomya rufifacies                             | 1991 | Asia         | Marion     |
| 44 | HYMENOPTERA  | Megachilidae     | Chalicodoma torrida (Smith)                      | 1991 | Neotropical  | Dade       |
| 45 | THYSANOPTERA | Thripidae        | Scirtothrips dorsalis Hood                       | 1991 | Asia         | Okeechobee |
| 46 | COLEOPTERA   | Cerambycidae     | Sybra alternans (Wiedemann)                      | 1992 | Asia         | Palm Beach |
| 47 | COLEOPTERA   | Carabidae        | Mochtherus ?tetraspilotus MacLeay                | 1992 | Asia         | Palm Beach |
| 48 | COLEOPTERA   | Chrysomelidae    | Microtheca picea (Guerin)                        | 1992 | Neotropical  | Hernando   |
| 49 | DIPTERA      | Cecidomyiidae    | Contarinia maculipennis                          | 1992 | Asia         | Orange     |
| 50 | HOMOPTERA    | Aleyrodidae      | Aleurotrachelus atratus Hempel                   | 1992 | Neotropical  | Dade       |
| 51 | THYSANOPTERA | Thripidae        | Danothrips trifasciatus Sakimura                 | 1992 | Asia         | Hendry     |
| 52 | THYSANOPTERA | Thripidae        | Neohydatothrips portoricensis (Morgan)           | 1992 | Neotropical  | Dade       |
| 53 | ACARI        | Eriophyidae      | Aceria letchii Keifer                            | 1993 | Asia         | Dade       |
| 54 | COLEOPTERA   | Chrysomelidae    | Chelymorpha cribraria (F.)                       | 1993 | Neotropical  | Broward    |
| 55 | HEMIPTERA    | Corixidae        | Synaptonecta issa (Distant)                      | 1993 | Asia         | St. Lucie  |
| 56 | HEMIPTERA    | Reduviidae       | Diaditus pictipes Campion                        | 1993 | Neotropical  | Alachua    |
| 57 | HOMOPTERA    | Asterolecanidae  | Asterolecanium stentae Brain                     | 1993 | Africa       | Monroe     |
| 58 | HOMOPTERA    | Coccidae         | Vinsonia stellifera (Westwood)                   | 1993 | Asia         | Orange     |
| 59 | HOMOPTERA    | Phoenicococcidae | Phoenicococcus marlatti (Cockerell)              | 1993 | Nearctic     | Palm Beach |
| 60 | HOMOPTERA    | Psyllidae        | Trioza eugeniae Froggatt                         | 1993 | Australia    | Nassau     |
| 61 | LEPIDOPTERA  | Gracillariidae   | Phyllocnistis citrella Stainton                  | 1993 | Asia         | Dade       |
| 62 | LEPIDOPTERA  | Gracillariidae   | Phyllocnistis sp. 1                              | 1993 | Neotropical  | Dade       |
| 63 | LEPIDOPTERA  | Gracillariidae   | Phyllocnistis sp. 2                              | 1993 | Neotropical  | Dade       |
| 64 | ORTHOPTERA   | Gryllidae        | Xenogryllus sp.                                  | 1993 | Asia         | Dade       |
| 65 | THYSANOPTERA | Thripidae        | Baileyothis limbatus (Hood)                      | 1993 | Pacific      | Palm Beach |
| 66 | THYSANOPTERA | Thripidae        | Chaetanaphothrips leeuweni (Karny)               | 1993 | Asia         | Dade       |
| 67 | THYSANOPTERA | Thripidae        | Psydrothrips luteolus Nakahara & Tsuda           | 1993 | Pacific      | Orange     |
| 68 | THYSANOPTERA | Thripidae        | Retithrips syriacus (Mayet)                      | 1993 | Africa       | Broward    |
| 69 | COLEOPTERA   | Chrysomelidae    | Colaspis sp. nr. labasii                         | 1994 | Neotropical  | Palm Beach |
| 70 | COLEOPTERA   | Curculionidae    | Eubulus sp.                                      | 1994 | Neotropical  | Dade       |
| 71 | DIPTERA      | Lonchaeidae      | Neosilba batesi                                  | 1994 | Neotropical  | Dade       |
| 72 | HEMIPTERA    | Pentatomidae     | Euschistus bifibulus (Palisot de Beauvois)       | 1994 | Neotropical  | Palm Beach |
| 73 | HEMIPTERA    | Pentatomidae     | Euschistus quadrator Rolston                     | 1994 | Neotropical  | Bradford   |
| 74 | HOMOPTERA    | Coccidae         | Ceroplastes rusci (L.)                           | 1994 | Asia, Europe | Dade       |
| 75 | HOMOPTERA    | Diaspididae      | Andaspis leucophleae Rao                         | 1994 | Asia         | Palm Beach |
| 76 | ISOPTERA     | Rhinotermitidae  | Heterotermes sp.                                 | 1994 | Neotropical  | Dade       |
| 77 | THYSANOPTERA | Thripidae        | Elixothrips brevisetis (Bagnall)                 | 1994 | Asia         | Broward    |
| 78 | ACARI        | Eriophyidae      | Cecidophyopsis n. sp.                            | 1995 | Asia         | Lake       |
| 79 | ACARI        | Eriophyidae      | Vittacus bougainvilleae Abou-Award & El Banhawy  | 1995 | Africa       | Dade       |
| 80 | COLEOPTERA   | Buprestidae      | Aphanisticus cochinchinae seminulum (Obenberger) | 1995 | Asia         | Alachua    |
| 81 | COLEOPTERA   | Chrysomelidae    | Demotina modestus (Lewis)                        | 1995 | Asia         | Alachua    |
| 82 | COLEOPTERA   | Silvanidae       | Silvanus castaneus MacLeay                       | 1995 | Australia    | Dade       |
| 83 | COLEOPTERA   | Silvanidae       | Silvanus lewisi Reitter                          | 1995 | Asia         | Broward    |
| 84 | HEMIPTERA    | Coreidae         | Spartocera batatas (Fabricius)                   | 1995 | Neotropical  | Dade       |

|     |              |                 |   |      |                  |                 |
|-----|--------------|-----------------|---|------|------------------|-----------------|
| 85  | HOMOPTERA    | Aleyrodidae     | Minutaleyrodes minutus (Singh)          | 1995 | Pacific          | Broward         |
| 86  | HOMOPTERA    | Aphididae       | Acyrtosiphon kondoi Shinji              | 1995 | Asia             | Alachua         |
| 87  | HOMOPTERA    | Aphididae       | Toxoptera citricida (Kirkaldy)          | 1995 | Asia             | Broward         |
| 88  | HOMOPTERA    | Cicadellidae    | Graphocephala atropunctata (Signoret)   | 1995 | Neotropical      | Hillsborough    |
| 89  | HOMOPTERA    | Diaspididae     | Andaspis punicae (Laing)                | 1995 | Asia             | Dade            |
| 90  | HOMOPTERA    | Psyllidae       | Freysuila dugesii Aleman                | 1995 | Neotropical      | Broward         |
| 91  | THYSANOPTERA | Thripidae       | Asprothrips seminigricornis (Girault)   | 1995 | Pacific          | Orange          |
| 92  | ACARI        | Phytoptidae     | Acathrix trymatus Keifer                | 1996 | Asia             | Monroe          |
| 93  | ARANEAE      | Salticidae      | Metaphidippus vitis group               | 1996 | Neotropical      | Dade            |
| 94  | BLATTODEA    | Blattellidae    | Lupparia sp.                            | 1996 | Asia             | Dade            |
| 95  | COLEOPTERA   | Coccinellidae   | Curinus coeruleus Mulsant               | 1996 | Neotropical      | Palm Beach      |
| 96  | HOMOPTERA    | Aphididae       | Melanaphis ?yasumatsui (Sorin)          | 1996 | Asia             | Orange          |
| 97  | HOMOPTERA    | Aphididae       | Smynthuroides betae Westwood            | 1996 | Asia             | Gadsden         |
| 98  | HOMOPTERA    | Diaspididae     | Thysanofiorinia nephelii (Maskell)      | 1996 | Pacific          | Dade            |
| 99  | HOMOPTERA    | Pseudococcidae  | Pseudococcus nakaharai Gimpel & Miller  | 1996 | Neotropical      | Orange          |
| 100 | HOMOPTERA    | Pseudococcidae  | Rhizoecus hibisci Kawai & Takagi        | 1996 | Asia             | Broward         |
| 101 | ISOPTERA     | Rhinotermitidae | Coptotermes havilandi                   | 1996 | Asia             | Dade            |
| 102 | COLEOPTERA   | Bostrichidae    | Sinoxylon conigerum Gerstaecker         | 1997 | Asia             | Dade            |
| 103 | COLEOPTERA   | Carabidae       | Pentagonica maculicornis Bates          | 1997 | Neotropical      | Palm Beach      |
| 104 | COLEOPTERA   | Curculionidae   | Cercidocerus sp. prob. fabricator Gyll. | 1997 | Asia             | Alachua         |
| 105 | COLEOPTERA   | Curculionidae   | Conotrachelus cervinus Hustache         | 1997 | Neotropical      | Dade            |
| 106 | COLEOPTERA   | Tenebrionidae   | Blapstinus histricus                    | 1997 | Nearctic<br>(AZ) | Broward         |
| 107 | COLEOPTERA   | Tenebrionidae   | Platydema sp.                           | 1997 | Neotropical      | Palm Beach      |
| 108 | COLEOPTERA   | Tenebrionidae   | Strongylium aulicum                     | 1997 | Neotropical      | Hillsborough    |
| 109 | COLEOPTERA   | Tenebrionidae   | Talanus sp.                             | 1997 | Neotropical      | Highlands       |
| 110 | HEMIPTERA    | Coreidae        | Catorhintha selector Stal               | 1997 | Neotropical      | Nassau          |
| 111 | HOMOPTERA    | Acanaloniidae   | Acanalonia excavata Van Duzee           | 1997 | Neotropical      | Dade            |
| 112 | HOMOPTERA    | Aleyrodidae     | Aleurodicus dugesii Cockerell           | 1997 | Neotropical      | Brevard         |
| 113 | HOMOPTERA    | Aphididae       | Aphis amaranthi Holman                  | 1997 | Neotropical      | Dade            |
| 114 | HOMOPTERA    | Aphididae       | Hyadaphis coriandri (Das)               | 1997 | Asia             | Orange          |
| 115 | HOMOPTERA    | Aphididae       | Hyperomyzus carduellinus Theobald       | 1997 | Asia             | Dade, St. Lucie |
| 116 | HOMOPTERA    | Aphididae       | Shivaphis celti Das                     | 1997 | Asia             | Liberty         |
| 117 | HOMOPTERA    | Aphididae       | Takecallis arundicolens (Clarke)        | 1997 | Asia             | Dade            |
| 118 | HOMOPTERA    | Diaspididae     | Aulacaspis yasumatsui Takagi            | 1997 | Asia             | Dade            |
| 119 | HOMOPTERA    | Flatidae        | Melormenis basalis Walker               | 1997 | Neotropical      | Orange          |
| 120 | HOMOPTERA    | Pseudococcidae  | Miscanthicoccus miscanthi Takahashi     | 1997 | Asia             | Volusia         |
| 121 | HOMOPTERA    | Psyllidae       | Tetragonocephala flava Crawford         | 1997 | Neotropical      | Dade            |
| 122 | ACARI        | Phytoseiidae    | Phytoseus hawaiiensis Proisad           | 1998 | Pacific          | Dade            |
| 123 | COLEOPTERA   | Chrysomelidae   | Cryptocephalus irroratus Suffrian       | 1998 | Neotropical      | Dade            |
| 124 | COLEOPTERA   | Coccinellidae   | Zagreus sp.                             | 1998 | Neotropical      | Highlands       |
| 125 | COLEOPTERA   | Curculionidae   | Conotrachelus parvulus Champion         | 1998 | Neotropical      | Orange          |
| 126 | COLEOPTERA   | Nitidulidae     | Aethina tumida Murray                   | 1998 | Africa           | St. Lucie       |
| 127 | COLEOPTERA   | Tenebrionidae   | Ceropria induta Wiedemann               | 1998 | Asia             | Dade            |
| 128 | COLEOPTERA   | Tenebrionidae   | Uloma sp.                               | 1998 | ?                | Dade            |

|     |              |                   |   |      |             |              |
|-----|--------------|-------------------|---|------|-------------|--------------|
| 129 | HOMOPTERA    | Acanaloniidae     | Acanalonia sp.                                      | 1998 | Neotropical | Dade         |
| 130 | HOMOPTERA    | Aleyrodidae       | Aleuroclava jasmini (Takahashi)                     | 1998 | Asia        | St. Lucie    |
| 131 | HOMOPTERA    | Aphididae         | Tinocallis ulmiparvifoliae Matsumura                | 1998 | Asia        | Lake         |
| 132 | HOMOPTERA    | Diaspididae       | Kuwanaspis vermiformis (Takahashi)                  | 1998 | Asia        | Broward      |
| 133 | HOMOPTERA    | Diaspididae       | Odonaspis greeni (Cockerell)                        | 1998 | Asia        | Dade         |
| 134 | HOMOPTERA    | Pseudococcidae    | Chaetococcus bambusae (Maskell)                     | 1998 | Asia        | Dade         |
| 135 | HOMOPTERA    | Pseudococcidae    | Paracoccus marginatus Williams & Granara de Willink | 1998 | Neotropical | Manatee      |
| 136 | HOMOPTERA    | Psyllidae         | Diaphorina citri Kuwayama                           | 1998 | Asia        | Palm Beach   |
| 137 | COLEOPTERA   | Chrysomelidae     | Asphaera lustrans (Crotch)                          | 1999 | Neotropical | Volusia      |
| 138 | COLEOPTERA   | Chrysomelidae     | Cryptocephalus ?tristiculus Weise                   | 1999 | Neotropical | Broward      |
| 139 | COLEOPTERA   | Curculionidae     | Sibinia vagabunda Champion                          | 1999 | Neotropical | Sarasota     |
| 140 | HOMOPTERA    | Pseudococcidae    | Palmicultor palmarum (Ehrhorn)                      | 1999 | Pacific     | Broward      |
| 141 | THYSANOPTERA | Aeolothripidae    | Stomatothrips angustipennis Hood                    | 1999 | Neotropical | Hillsborough |
| 142 | THYSANOPTERA | Phlaeothripidae   | Dolichothrips indicus (Hood)                        | 1999 | Asia        | Pinellas     |
| 143 | HYMENOPTERA  | Trichogrammatidae | Megaphragma caribea Delvare                         | 1999 | Neotropical | Columbia     |
| 144 | ACARI        | Eriophyidae       | Aceria zelkoviana Kim                               | 2000 | Asia        | Dade         |
| 145 | HOMOPTERA    | Aphididae         | Tetraneura sp.                                      | 2000 | Asia        | Dade         |
| 146 | HOMOPTERA    | Pseudococcidae    | Pseudococcus elisae Borchsenius                     | 2000 | Neotropical | Orange       |
| 147 | HYMENOPTERA  | Aphelinidae       | Centrodora tomaspidis (Howard)                      | 2000 | Neotropical | Dade         |
| 148 | ARANEAE      | Araneidae         | Cyrtophora n.sp.                                    | 2000 | Africa?     | Dade         |
| 149 | HOMOPTERA    | Kerriidae         | Paratachardina poss. lobata (Chamberlin)            | 2000 | Asia        | Broward      |
| 150 | HYMENOPTERA  | Trichogrammatidae | Paracentrobia punctata Howard                       | 2000 | Neotropical | Orange       |