**Table S1. Non-target impacts recorded from biological control agents of weeds on other plants, on a five step scale of magnitude**.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Target weed** | **Family** | **Common name** | **Biological Control Agent** | **Family** | **Location released** | **Release date** | **Non-targets attacked** | **Family** | **Impact** | **Source** |
| Acacia longifolia (Andrews) Willdenow | Fabaceae | Sydney golden wattle | Trichilogaster acaciaelongifoliae  Frogatt | Pteromalidae | South Africa | 1982 | Acacia melanoxylon Brown | Fabaceae | Minimal | [1] |
| Acacia longifolia (Andrews) Willdenow | Fabaceae | Sydney golden wattle | Trichilogaster acaciaelongifoliae  Frogatt | Pteromalidae | South Africa | 1982 | Paraserianthes lophantha (Willdenow) Nielson | Fabaceae | Minimal | [1,2] |
| Ageratina riparia (Regel) R.M.King & H.Rob. | Asteraceae | mistflower | Oidaematophorus beneficus  Yano and Heppner | Pterophoridae | HI | 1973 | Ageratitta adenophora | Asteraceae | Minimal | [3] |
| Alternanthera philoxeroides (Mart.) Griseb. | Amaranthaceae | Alligator weed | Arcola (=Vogtia) malloi  (Pastrana) | Pyralidae | FL | 1971 | Alternanthera flavescens Kunth | Amaranthaceae | Minimal | [4] |
| Alternanthera philoxeroides (Mart.) Griseb. | Amaranthaceae | Alligator weed | Arcola (=Vogtia) malloi  (Pastrana) | Pyralidae | LA, TX | 1971 | Blutaparon (= Philoxerus) vermiculare L. | Amaranthaceae | Minimal | [4] |
| Carduus nutans L. and C. macrocephalus Desf. | Asteraceae | Thistles | Trichosirocalus horridus  (Panzer) | Curculionidae | NE | 1974 | Cirsium altissimum L. Spreng. | Asteraceae | Moderate | [5-7] |
| Carduus nutans L. and C. macrocephalus Desf. | Asteraceae | Thistles | Trichosirocalus horridus  (Panzer) | Curculionidae | VA | 1974 | Cirsium discolor (Muhl. ex Willd.) Spreng. | Asteraceae | Minor | [4,8] |
| Carduus nutans L. and C. macrocephalus Desf. | Asteraceae | Thistles | Trichosirocalus horridus  (Panzer) | Curculionidae | NE | 1974 | Cirsium flodmanii (Rydb.) Arthur | Asteraceae | Minor | [9] |
| Carduus nutans L. and C. macrocephalus Desf. | Asteraceae | Thistles | Trichosirocalus horridus  (Panzer) | Curculionidae | NE | 1974 | Cirsium undulatum (Nutt.) Spreng. | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium canovirens (Rydb.) Petr. | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium andersonii (A. Gray) Petr. | Asteraceae | Minor | [4,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium brevistylum Cronquist | Asteraceae | Minor | [9,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CO | 1969 | Cirsium calcareum (M.E. Jones) Woot. & Standl. | Asteraceae | Minor | [9,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium californicum (Nutt.) Jeps. | Asteraceae | Minor | [10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium callilepis (Greene) Jeps. | Asteraceae | Minor | [9,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | NE,WY | 1969 | Cirsium canescens Nutt. | Asteraceae | Major | [10,11] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium ciliolatum (L.F. Hend.) J.T. Howell | Asteraceae | Minor | [10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium cymosum (Greene) J.T. Howell | Asteraceae | Minor | [10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium douglasii DC. | Asteraceae | Minor | [10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CO | 1969 | Cirsium eatonii (A. Gray) B.L. Rob. | Asteraceae | Minor | [9,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | OR | 1969 | Cirsium edule Nutt. | Asteraceae | Minor | [10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | WY | 1969 | Cirsium flodmanii (Rydb.) Arthur | Asteraceae | Minor | [9,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium fontinale (Greene) Jeps. | Asteraceae | Minor | [10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium hydrophilum (Greene) Jeps | Asteraceae | Minor | [10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium neomexicanum [Gray](http://en.wikipedia.org/wiki/Asa_Gray) | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium occidentale (Nutt.) Jeps | Asteraceae | Minor | [9,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium occidentale (Nutt.) Jeps. | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium ochrocentrum [A.Gray](http://en.wikipedia.org/wiki/Asa_Gray) | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CO | 1969 | Cirsium ownbeyi Welsh | Asteraceae | Minor | [4,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium pastoris J.T. Howell | Asteraceae | Minor | [4,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium peckii L.F. Hend. | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium perplexans (Rydb.) Petr. | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium proteanum J. T. Howell | Asteraceae | Minor | [9,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA | 1969 | Cirsium quercetorum (A. Gray) Jeps | Asteraceae | Minor | [4,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CO | 1969 | Cirsium remotifolium (=C. centaureae) (Hook.) DC | Asteraceae | Minor | [4,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | WY | 1969 | Cirsium scariosum Nutt. | Asteraceae | Minor | [4,9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium scopulorum (Greene) Cockerell ex Daniels | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium subniveum Rydb. | Asteraceae | Minor | [9] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | CA,WY | 1969 | Cirsium tioganum (Congd.) Petrak | Asteraceae | Minor | [4,10] |
| Carduus spp. Cirsium spp. | Asteraceae | Thistles | Rhinocyllus conicus  Frol. | Curculionidae | MT,WY, NE | 1969 | Cirsium undulatum (Nutt.) Spreng. | Asteraceae | Minor | [4,12,13] |
| Cirsium arvense (L.) Scop. | Asteraceae | Thistles | Larinus planus  (F.) | Curculionidae | Canada | 1988 | Cirsium undulatum (Nutt.) Spreng. | Asteraceae | Moderate | [14] |
| Clematis vitalba L. | Ranunculaceae | Old man's beard | Phytomyza vitalbae  Kaltenbach | Agromyzidae | New Zealand | 1996 | Clematis foetida Raoul | Ranunculaceae | Minimal | [15] |
| Cynoglossum officinale L. | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Hounds tooth | Mogules cruciger Herbst | Curculionidae | Canada | 1997 | Cryptantha spiculifera | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Minimal | [16] |
| Cynoglossum officinale L. | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Hounds tooth | Mogules cruciger Herbst | Curculionidae | Canada | 1997 | Hackelia floribunda | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Minimal | [16] |
| Cynoglossum officinale L. | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Hounds tooth | Mogules cruciger Herbst | Curculionidae | Canada | 1997 | Lithospermum ruderale | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Minimal | [16] |
| Cynoglossum officinale L. | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Hounds tooth | Mogules cruciger Herbst | Curculionidae | Canada | 1997 | Lappula squarrosa | [Boraginaceae](http://en.wikipedia.org/wiki/Boraginaceae) | Minimal | [16] |
| Cyperus rotundus L | Cyperaceae | Purple nutsedge | Athesapeuta cyperi  Marshall | Curculionidae | HI | 1922 | Cyperus alternifolius L | Cyperaceae | No field data | [17] |
| Cyperus rotundus L | Cyperaceae | Purple nutsedge | Athesapeuta cyperi  Marshall | Curculionidae | HI | 1922 | Cyperus esculentus L | Cyperaceae | Minimal | [17] |
| Cyperus rotundus L | Cyperaceae | Purple nutsedge | Athesapeuta cyperi  Marshall | Curculionidae | HI | 1922 | Cyperus papyrus L | Cyperaceae | No field data | [17] |
| Cyperus rotundus L | Cyperaceae | Purple nutsedge | Bactra venosana  (Zeller) | Tortricidae | HI | 1922 | Cyperus esculentus L | Cyperaceae | Minimal | [17] |
| Cyperus rotundus L. | Cyperaceae | Purple nutsedge | Athesapeuta cyperi  Marshall | Curculionidae | HI | 1922 | Cyperus polystachyos Rottb. | Cyperaceae | Minimal | [4,17] |
| Cytisus scoparius Fabricius Link | Fabaceae | Scotch broom | Bruchidius villosus  Fabricius | Bruchidae | New Zealand | 1986 | Chamaecytisus palmensis (Christ) Bisby (=proliferus subspp. palmensis ) | Fabaceae | Minor | [15,18,19] |
| Echium plantagineum L. | Boraginaceae | Patterson’s curse | Dialectica scalariella  (Zeller) | Pterophoridae | NA, Accidental from Australia |  | Borago sp. | Boraginaceae | Minimal | [1] |
| Echium plantagineum L. | Boraginaceae | Patterson’s curse | Dialectica scalariella  (Zeller) | Pterophoridae | NA, Accidental from Australia |  | Cynoglossum sp. | Boraginaceae | Minimal | [1] |
| Echium plantagineum L. | Boraginaceae | Patterson’s curse | Dialectica scalariella  (Zeller) | Pterophoridae | NA, Accidental from Australia |  | Echium spp. | Boraginaceae | Minimal | [1] |
| Echium plantagineum L. | Boraginaceae | Patterson’s curse | Dialectica scalariella  (Zeller) | Pterophoridae | NA, Accidental from Australia |  | Echium vulgare L. | Boraginaceae | Minimal | [1,20] |
| Echium plantagineum L. | Boraginaceae | Patterson’s curse | Dialectica scalariella  (Zeller) | Pterophoridae | NA, Accidental from Australia |  | Echium wildpretIi | Boraginaceae | Minimal | [1] |
| Echium plantagineum L. | Boraginaceae | Patterson’s curse | Dialectica scalariella  (Zeller) | Pterophoridae | NA, Accidental from Australia |  | Myosotis spp. | Boraginaceae | Minimal | [1] |
| Echium plantagineum L. | Boraginaceae | Patterson’s curse | Dialectica scalariella  (Zeller) | Pterophoridae | NA, Accidental from Australia |  | Symphytum sp. | Boraginaceae | Minimal | [1] |
| Eichhornia crassipes (Martius) | Pontederiaceae | Water hyacinth | Neochetina eichhorniae  Warner | Curculionidae | USA | 1972 | Canna sp. | Cannaceae | Minimal | [1,21] |
| Eichhornia crassipes (Martius) | Pontederiaceae | Water hyacinth | Neochetina eichhorniae  Warner | Curculionidae | USA | 1972 | Portaderia cordata L. | Pontederiaceae | No field data | [1] |
| Eichhornia crassipes (Martius) | Pontederiaceae | Water hyacinth | Neochetina eichhorniae  Warner | Curculionidae | USA | 1972 | Unspecified grass | Poaceae | No field data | [1] |
| Euphorbia esula L. | Euphorbiaceae | leafy spurge | Aphthona nigriscutis  Foudras | Chrysomelidae | WY | 1992 | Euphorbia robusta Engelm. | Euphorbiaceae | Minimal | [22] |
| Hypericum perforatum L. | Clusiaceae | St John’s Wort | Aculus hyperici Liro | Eriophyidae | Australia | 1991 | Hypericum gramineum Forst. | Hypericaceae | Minor | [23] |
| Hypericum perforatum L. | Clusiaceae | St Johns Wort | Agrilus hyperici  (Creutzer) | Buprestidae | CA | 1946 | Hypericum concinnum Benth. | Clusiaceae | Minimal | [24] |
| Hypericum perforatum L. | Clusiaceae | St John’s Wort | Chrysolina hyperici  (Forster) | Chrysomelidae | New Zealand | 1947 | Hypericum androsaemum Linneaus | Hypericaceae | Minimal | [1,20] |
| Hypericum perforatum L. | Clusiaceae | St John’s Wort | Chrysolina hyperici  (Forster) | Chrysomelidae | HI | 1965 | Hypericum degeneri Fosb. | Hypericaceae | Minimal | [25] |
| Hypericum perforatum L. | Clusiaceae | St Johns Wort | Chrysolina quadrigemina  (Suffrian) | Chrysomelidae | CA | 1945 | Hypericum calycinum | Clusiaceae | Minimal | [26] |
| Hypericum perforatum L. | Clusiaceae | St Johns Wort | Chrysolina quadrigemina  (Suffrian) | Chrysomelidae | CA | 1945 | Hypericum concinnum Benth. | Clusiaceae | Minor | [24,26] |
| Hypericum perforatum L. | Clusiaceae | St Johns Wort | Zeuxidiplosis giardi  (Kieffer) | Chrysomelidae | USA | 1950 | Hypericum concinnum Benth. | Clusiaceae | Minimal | [24,26] |
| Lantana camara L. | Verbenaceae | Lantana | Aconophora compressa  Walker | Membracidae | Australia | 1995 | Citharexylum spinosum L. | Verbenaceae | Minimal | [27,28] |
| Lantana camara L. | Verbenaceae | Lantana | Epinotia lantana  Busck. | Tortricidae | HI | 1902 | Litchi chinensis Sonn. | Sapindaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Epinotia lantana  Busck. | Tortricidae | HI | 1902 | Stenoiobium starts (L.) Seem. | Bignoniaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Epinotia lantana  Busck. | Tortricidae | HI | 1902 | Tabfbuia chrysantha (Jacq.) Nichols | Bignoniaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Leptobyrsa decora  Drake | Tingidae | HI | 1969 | Duranta repens L. | Verbenaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Strymon (=Thmolus) echion  L. | Lycaenidae | HI | 1902 | Capsicum annuum L. | Solanaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Strymon (=Thmolus) echion  L. | Lycaenidae | HI | 1902 | Cordia sebestena L. | Boraginaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Strymon (=Thmolus) echion  L. | Lycaenidae | HI | 1902 | Datura candida (Pers.) | Solanaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Strymon (=Thmolus) echion  L. | Lycaenidae | HI | 1902 | Ocimum basilcum L. | Labiaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Strymon (=Thmolus) echion  L. | Lycaenidae | HI | 1902 | Solanum nigrum L. | Solanaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Strymon (=Thmolus) echion  L. | Lycaenidae | HI | 1902 | Solanum tuberosum L. | Solanaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Strymon bazochii gundiachianus  Bates | Lycaenidae | HI | 1902 | Hyptis pectinata L. | Labiaceae | Minimal | [25] |
| Lantana camara L. | Verbenaceae | Lantana | Teleonemia scrupulosa  Stål | Tingidae | HI | 1902 | Myoporum sandwicense (A. DC.) A. Gray | Scrophulariaceae | Minimal | [29,30] |
| Lantana camara L. | Verbenaceae | Lantana | Teleonemia scrupulosa  Stål | Tingidae | East Africa | 1962 | Sesamum indicum L. | Pedaliaceae | Minimal | [31,32] |
| Lantana camara L. | Verbenaceae | Lantana | Uroplata girardi  Pic. | Chrysomelidae | HI | 1961 | Ocimum basilicum L. | Labiaceae | Minimal | [3] |
| Lantana camara L. | Verbenaceae | Lantana | Uroplata girardi  Pic. | Chrysomelidae | Australia | 1966 | Ocimum basilicum L. | Labiaceae | Minimal | [33] |
| Lythrum salicaria L. | Lythraceae | Purple loosestrife | Galerucella calmariensis (L.) / G. pusilla  (Duft.) | Chrysomelidae | USA | 1992 | Decodon verticillatus (L.) Elliott. | Lythraceae | Minimal | [34,35] |
| Lythrum salicaria L. | Lythraceae | Purple loosestrife | Galerucella calmariensis (L.) / G. pusilla  (Duft.) | Chrysomelidae | USA | 1992 | Lythrum alatum Pursh | Lythraceae | No field data | [34] |
| Lythrum salicaria L. | Lythraceae | Purple loosestrife | Galerucella calmariensis (L.) / G. pusilla  L./Duftschmid | Chrysomelidae | USA | 1992 | Lythrum indica L. | Lythraceae | Minimal | [36] |
| Lythrum salicaria L. | Lythraceae | Purple loosestrife | Galerucella calmariensis (L.) / G. pusilla  (Duft.) | Chrysomelidae | USA | 1992 | Potentilla anserine L. | Rosaceae | Minimal | [35,37] |
| Lythrum salicaria L. | Lythraceae | Purple loosestrife | Galerucella calmariensis (L.) / G. pusilla  (Duft.) | Chrysomelidae | USA | 1992 | Rosa multiflora Thumb | Rosaceae | Minimal | [35,37] |
| Mimosa pigra L. | Mimosaceae | Giant sensitive tree | Neurostrota gunniella  [Busck.](http://en.wikipedia.org/wiki/August_Busck) | Gracillariidae | Australia | 1989 | Neptunia major (Benth.) Windler | Fabaceae | Minimal | [38-40] |
| Myrica faya Aiion | Myricaceae | Fire tree | Strepsicrates smithiana  (Walsingham) | Olethreutidae | HI | 1955 | Myrica cerifera L. | Myricaceae | Minimal | [25] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA, accidental from Carribean |  | Consolea rubescens (Salm-  Dyck ex de Candolle) | Cactaceae | Too early, likely minimal | [41-43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | |  | | --- | | [Cylindropuntia acanthocarpa (Engelm. & J.M. Bigelow) F.M. Knuth](http://plants.usda.gov/java/profile?symbol=CYAC8) | | Cactaceae | Too early, likely minimal | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | [Cylindropuntia spinosior (Engelm.) F.M. Knuth](http://plants.usda.gov/java/profile?symbol=CYSP8) | Cactaceae | Too early, likely minimal | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Nopalea cochenillifera (L.) Salm-Dyck | Cactaceae | Too early | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia compressa Small | Cactaceae | Too early | [44] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia cubensis Britton & Rose | Cactaceae | Major | [4,45] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia dillenii (Ker Gawl.) Haw. | Cactaceae | Too early | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia engelmannii Salm-Dyck ex Engelm. var. engelmannii | Cactaceae | Too early, likely Massive | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia engelmannii Salm-Dyck ex Engelm. var. lindheimeri (Engelm.) Parfitt & Pinkava | Cactaceae | Too early | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia engelmannii Salm-Dyck ex Engelm. var. linguiformis (Griffiths) Parfitt & Pinkava | Cactaceae | Too early, likely Massive | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Sweet prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia ficus-indica (L.) Mill. | Cactaceae | Too early, likely Massive | [43,44,46] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia humfusa (Raf.) Raf. | Cactaceae | Major | [4,45] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia leucotricha DC. | Cactaceae | Too early, likely minimal | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia macrocentra Engelm. | Cactaceae | Too early | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia megacantha Salm-Dyck | Cactaceae | Too early | [44] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia microdasys (Lehm.) N.E. Pfeiffer | Cactaceae | Too early | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia santa-rita (Griffiths & Hare) Rose | Cactaceae | Too early | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia spinosissima Mill. | Cactaceae | Massive | [4,45] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia spinulifera Salm-Dyck | Cactaceae | Too early | [44] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia streptacantha Lem. | Cactaceae | Too early, likely minimal | [43] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia stricta (= Opuntia dillenii) (Ker Gawl.) Haw. | Cactaceae | Too early, likely Massive | [44] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia stricta (Haw.) Haw. | Cactaceae | Major | [4,45] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia tomentosa Salm-Dyck | Cactaceae | Too early | [44] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia triacantha (Willd.) Sweet | Cactaceae | Major | [4,45] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia triacantha (Willd.) Sweet | Cactaceae | Too early, likely Massive | [44] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia tuna (L.) Mill. | Cactaceae | Too early | [44] |
| Opuntia lindheimeri,Opuntia stricta,Opuntia triacantha | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | NA |  | Opuntia vulgaris auct. non Mill. | Cactaceae | Too early | [44] |
| Opuntia spp. | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | Australia | 1926 | Cucumis melo L. | Cucurbitaceae | Minimal | [1,21] |
| Opuntia spp. | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | Australia | 1926 | Solanum lycopersicum L. | Solanaceae | Minimal | [1] |
| Opuntia spp. | Cactaceae | Prickly pear | Chelnidea tabulata  (Burmeister | Hemiptera | Australia | 1922 | Cucumis melo L. | Cucurbitaceae | Minimal | [1] |
| Opuntia spp. | Cactaceae | Prickly pear | Chelnidea tabulata  (Burmeister | Hemiptera | Australia | 1922 | Phœnix dactylifera, L. | Arecaceae | Minimal | [1] |
| Opuntia spp. | Cactaceae | Prickly pear | Chelnidea tabulata  (Burmeister | Hemiptera | Australia | 1922 | Prunus persica (L.) Batsch | Rosaceae | Minimal | [1] |
| Opuntia spp. | Cactaceae | Prickly pear | Chelnidea tabulata  (Burmeister | Hemiptera | Australia | 1922 | Prunus persica nucipersica | Rosaceae | Minimal | [1,21] |
| Opuntia spp. | Cactaceae | Prickly pear | Chelnidea tabulata  (Burmeister | Hemiptera | Australia | 1922 | Vitis vinifera L. | Vitaceae | Minimal | [1] |
| Opuntia triacantha (Willd.) Sweet | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | Nevis and ST Kitts | 1957 | Opuntia cochenillifera (L.) Mill. | Cactaceae | Major | [41] |
| Opuntia triacantha (Willd.) Sweet | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | Nevis and ST Kitts | 1959 | Opuntia stricta (Haw.) Haw. | Cactaceae | Major | [41] |
| Opuntia triacantha (Willd.) Sweet | Cactaceae | Prickly pear | Cactoblastis cactorum  (Bergroth) | Pyralidae | Nevis and ST Kitts | 1958 | Opuntia triacantha (Willd.) Sweet | Cactaceae | Moderate | [41] |
| Rubus argutus Link. | Rosaceae | Blackberry | Croesia zimmermani  Clarke | Tortricidae | HI | 1964 | Rubus hawaiiensis A. Gray | Rosaceae | Minor | [47] |
| Rubus argutus Link. | Rosaceae | Blackberry | Croesia zimmermani  Clarke | Tortricidae | HI | 1964 | Rubus macraei A. Gray | Rosaceae | Minimal | [4] |
| Rubus argutus Link. | Rosaceae | Blackberry | Priophorus morio  (Lepeletier) | Tenthredindae | HI | 1966 | Rubus hawaiensis A. Gray | Rosaceae | Minimal | [4] |
| Rubus argutus Link. | Rosaceae | Blackberry | Priophorus morio  (Lepeletier) | Tenthredindae | HI | 1966 | Rubus macraei A. Gray | Rosaceae | Minimal | [4] |
| Rubus argutus Link. | Rosaceae | Blackberry | Schreckensteinia festaliella  (Hübner) | Heliodinidae | HI | 1963 | Rubus macraei A. Gray | Rosaceae | Minor | [4] |
| Rubus argutus Link. | Rosaceae | Blackberry | Schreckensteinia festaliella  (Hübner) | Heliodinidae | HI | 1963 | Rubus macraei A. Gray | Rosaceae | Minor | [4] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | New Zealand | 1930 | Cineraria sp. | Asteraceae | Minimal | [1] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | New Zealand | 1930 | Senecio biserratus Belcher | Asteraceae | Minimal | [48] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | OR | 1960 | Senecio integerrimus Nutt. | Asteraceae | Minimal | [49] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | Canada | 1959 | Senecio integerrimus Nutt. | Asteraceae | Minimal | [49] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | New Zealand | 1930 | Senecio minimus Poir | Asteraceae | Minimal | [1,15] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | OR | 1960 | Senecio pseudaureus Rydb. | Asteraceae | No field data | [49] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | OR | 1960 | Senecio triangularis Hook. | Asteraceae | Minor | [47,49,50] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | Canada | 1959 | Senecio triangularis Hook. | Asteraceae | Minimal | [49] |
| Senecio jacobaea L. | Asteraceae | Ragwort | Tyria jacobaeae  (Linnaeus) | Arctiidae | New Zealand | 1930 | Sonchus oleraceus L. | Asteraceae | Minimal | [1,51] |
| Tamarix | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Salt cedar | Diorhabda carinata (Faldermann) | Chrysomelidae | NV, UT, CO,WY, TX, CA | 2001 | Tamarix aphylla | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Minimal | [52] |
| Tamarix | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Salt cedar | Diorhabda carinulata (Desbrochers) | Chrysomelidae | NV, UT, CO,WY, TX, CA | 2001 | Frankenia | Frakeniaceae | Minimal | [52] |
| Tamarix | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Salt cedar | Diorhabda carinulata (Desbrochers) | Chrysomelidae | NV, UT, CO,WY, TX, CA | 2001 | Tamarix aphylla | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Minimal | [52] |
| Tamarix | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Salt cedar | Diorhabda elongate (Brullé) | Chrysomelidae | TX | 2001 | Tamarix aphylla | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Minimal | [52,53] |
| Tamarix | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Salt cedar | Diorhabda sublineata (lucas) | Chrysomelidae | TX | 2001 | Tamarix aphylla | [Tamaricaceae](http://en.wikipedia.org/wiki/Tamaricaceae) | Minimal | [52] |
| Tribulus terrestris L. | Zygophyllaccae | Puncturevine | Microlarinus lareynii  (Jacquelin du Val) | Curculionidae | HI | 1962 | Amaranthus spimosus L. | Amaranthaceae | Minimal | [25] |
| Tribulus terrestris L. | Zygophyllaccae | Puncturevine | Microlarinus lareynii  (Jacquelin du Val) | Curculionidae | HI | 1962 | Chenopodium album L. | Chenopodiaceae | Minimal | [25] |
| Tribulus terrestris L. | Zygopyhyllaceae | Puncturevine | Microlarinus lareynii  (Jacquelin du Val) | Curculionidae | AZ | 1962 | Kallstroemia californica (S. Watson) Vail | Zygopyhyllaceae | Minimal | [4] |
| Tribulus terrestris L. | Zygopyhyllaceae | Puncturevine | Microlarinus lareynii  (Jacquelin du Val) | Curculionidae | AZ | 1962 | Kallstroemia grandiflora Torr. ex A. Gray | Zygopyhyllaceae | Minimal | [4] |
| Tribulus terrestris L. | Zygophyllaccae | Puncturevine | Microlarinus lareynii  (Jacquelin du Val) | Curculionidae | HI | 1962 | Malva parviflora L. | Malvaceae | Minimal | [25] |
| Tribulus terrestris L. | Zygophyllaccae | Puncturevine | Microlarinus lypriformis  (Wollaston) | Curculionidae | HI | 1963 | Amaranthus spimosus L. | Amaranthaceae | Minimal | [25] |
| Tribulus terrestris L. | Zygophyllaccae | Puncturevine | Microlarinus lypriformis  (Wollaston) | Curculionidae | HI | 1963 | Chenopodium album L. | Chenopodiaceae | Minimal | [25] |
| Tribulus terrestris L. | Zygopyhyllaceae | Puncturevine | Microlarinus lypriformis  (Wollaston) | Curculionidae | AZ | 1963 | Kallstroemia californica (S. Watson) Vail | Zygopyhyllaceae | Minimal | [4] |
| Tribulus terrestris L. | Zygopyhyllaceae | Puncturevine | Microlarinus lypriformis  (Wollaston) | Curculionidae | AZ | 1963 | Kallstroemia grandiflora Torr. ex A. Gray | Zygopyhyllaceae | Minimal | [4] |
| Tribulus terrestris L. | Zygophyllaccae | Puncturevine | Microlarinus lypriformis  (Wollaston) | Curculionidae | HI | 1963 | Malva parviflora L. | Malvaceae | Minimal | [25] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Cytisus proliferus L.f. | Fabaceae | Minimal | [54] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Cytisus scoparius (L.) Link. | Fabaceae | Minor | [48,54,55] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Genista lydia Boiss. | Fabaceae | Minimal | [54] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Genista monspessulana (L.) L.A.S. Johnson | Fabaceae | Minimal | [55] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Lotus corniculatus L. | Fabaceae | Minimal | [54] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Lotus pedunculatus Cav. | Fabaceae | Minimal | [54] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Lotus polyphyllus E. D. Clarke | Fabaceae | Minimal | [54] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Lupinus arboreus Sims | Fabaceae | Minimal | [55] |
| Ulex europeaus L. | Fabaceae | Gorse | Cydia succedana  (Denis and Schiffermüller) | Tortricidae | New Zealand | 1992 | Spartium junceum L. | Fabaceae | Minimal | [54] |

USA Location codes: AZ: Arizona, CA: California, CO: Colorado, FL: Florida, HI: Hawaii, MT: Montana, NE: Nebraska, TX: Texas, UT: Utah, VA: Virginia, WY: Wyoming. NA: Not Applicable (accidental introduction)

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