

Supplementary Electronic Information for van Lenteren, J.C., Bolckmans, K., Köhl, J., Ravensberg, W, Urbaneja, A. 2017. Biological Control using invertebrates and microorganisms: plenty of new opportunities. BioControl. DOI: 10.1007/s10526-017-9801-4

Table. Commercial availability of invertebrate natural enemies used worldwide in augmentative biological control, with region of use, year of first use and market value as per September 2016. Yellow marked sections in the table below are additions to Table 1 in van Lenteren, J.C., 2012. The state of commercial augmentative biological control: plenty of natural enemies, but a frustrating lack of uptake. BioControl 57: 1-20

Natural enemy	Classification	Region where used	Target(s)	Year of first use (estimated)	Market value
<i>Adalia bipunctata</i>	Coleoptera	Europe, North America	aphids	1998	S
<i>Adalia</i> spp	Coleoptera	Latin America	aphids	1941	M
<i>Ageniaspis citricola</i>	Hymenoptera	Latin America	lepidopterans	1998	M
<i>Aleochara bilineata</i>	Coleoptera	Europe	root flies	1995	S
<i>Aeolothrips intermedius</i>	Thysanoptera	Europe	thrips	2000	S
<i>Aleurodothrips fasciapennis</i>	Thysanoptera	Europe	diaspidids	1990	S
<i>Allotropa convexifrons</i>	Hymenoptera	Europe	pseudococcids	2005	S
<i>Allotropa musae</i>	Hymenoptera	Europe	pseudococcids	2006	S
<i>Amblydromalus limonicus</i>	Acari	Europe	thrips, whiteflies, tarsonomids	2013	L
<i>Amblyseius aizawai</i>	Acari	Asia	mites	1992	M
<i>Amblyseius andersoni</i> (= <i>potentillae</i>)	Acari	Europe, North America, Asia	mites	1995	S
<i>Amblyseius largoensis</i>	Acari	North America	mites	1995	S
<i>Amblyseius limonicus</i>	Acari	Europe	mites, thrips	1995	S
<i>Amblyseius longispinosus</i>	Acari	Asia	mites	1990	S
<i>Amblyseius makuwa</i>	Acari	Asia	mites	1991	S
<i>Amblyseius mckeNew Zealandiei</i>	Acari	Europe	mites	1985	S
<i>Amblyseius nicholsi</i>	Acari	Asia	mites in citrus	1980	L
<i>Amblyseius swirskii</i>	Acari	Europe, Africa North & South, North & Latin America, Asia	mites, thrips, whiteflies	2005	L
<i>Amblyseius womersleyii</i>	Acari	Asia	mites	2005	L
<i>Amblyseius</i> spp.	Acari	Australia	mites in citrus	1990	L
<i>Ampulex compressa</i>	Hymenoptera	Europe	cockroaches	1990	S
<i>Anagrus atomus</i>	Hymenoptera	Europe	cicadellids	1990	S
<i>Anagrus dactylopii</i>	Hymenoptera	Europe	pseudococcids	1995	S

<i>Anagyrus fusciventris</i>	Hymenoptera	Europe	pseudococcids	1995	S
<i>Anagyrus kamali</i>	Hymenoptera	Latin America	pseudococcids	1990	S
<i>Anagyrus pseudococci</i>	Hymenoptera	Europe, North America	pseudococcids	1995	S
<i>Anagyrus sinope</i>	Hymenoptera	Europe	pseudococcids	2006	S
<i>Anaphes iole</i>	Hymenoptera	Europe	hemipterans	1990	S
<i>Anaphes nitens</i>	Hymenoptera	Europe	coleopterans	1995	S
<i>Anastatus japonicus</i>	Hymenoptera	Asia	hemipterans	1970	L
<i>Anastatus sp</i>	Hymenoptera	Asia, Australia	hemipterans	2010	S
<i>Anastatus tenuipes</i>	Hymenoptera	North America	cockroaches	1970	S
<i>Androlaelaps casalis</i>	Acari	Europe	mites on vertebrates	2008	M
<i>Anisopteromalus calandrae</i>	Hymenoptera	Europe, North America	coleopterans	1990	S
<i>Anthocoris nemoralis</i>	Hemiptera	Europe, North America	psyllids	1990	S
<i>Anthocoris nemorum</i>	Hemiptera	Europe	psyllids, thrips	1992	S
<i>Aphelinus abdominalis</i>	Hymenoptera	Europe, Africa North, North America, Asia	aphids	1992	M
<i>Aphelinus asychis</i>	Hymenoptera	Asia	aphids	2005	S
<i>Aphelinus mali</i>	Hymenoptera	Europe	aphids	1980	S
<i>Aphelinus varipes</i>	Hymenoptera	Europe	aphids	2000	S
<i>Aphidius colemani</i>	Hymenoptera	Europe, Africa North & South, North America, Asia, Australia, New Zealand	aphids	1991	L
<i>Aphidius ervi</i>	Hymenoptera	Europe, Africa North, North & Latin America, Asia	aphids	1996	L
<i>Aphidius gifuensis</i>	Hymenoptera	Europe, Asia	aphids	2005	M
<i>Aphidius matricariae</i>	Hymenoptera	Europe, North America	aphids	1980	M
<i>Aphidius sp</i>	Hymenoptera	Latin America	aphids	1980	S
<i>Aphidius transcaspinus</i>	Hymenoptera	Africa South	aphids	2005	M
<i>Aphidius urticae</i>	Hymenoptera	Europe	aphids	1990	S
<i>Aphidoletes aphidimyza</i>	Diptera	Europe, Africa North & South, North America, Asia	aphids	1989	L
<i>Aphytis diaspidis</i>	Hymenoptera	Europe	diaspidids	1990	S
<i>Aphytis holoxanthus</i>	Hymenoptera	Europe	diaspidids	1996	S
<i>Aphytis lepidosaphes</i>	Hymenoptera	Europe, Latin America	diaspidids	1985	S
<i>Aphytis lingnanensis</i>	Hymenoptera	Europe, Africa South, Australia	diaspidids	1906	L
<i>Aphytis melinus</i>	Hymenoptera	Europe, North America, Australia	diaspidids	1961	L
<i>Aphytis sp</i>	Hymenoptera	Latin America	diaspidids	1990	M
<i>Aprostocetus hagenowii</i>	Hymenoptera	Europe	cockroaches	1990	S
<i>Arrhenophagus albitibiae</i>	Hymenoptera	Europe	diaspidids	1990	S

<i>Billaea claripalpis</i>	Diptera	Latin America	lepidopterans	1976	S
<i>Blastothrix britannica</i>	Hymenoptera	Europe	coccids	2005	S
<i>Bracon brevicornis</i>	Hymenoptera	Europe	lepidopterans	2000	S
<i>Bracon hebetor</i>	Hymenoptera	Europe, North America	lepidopterans	1980	S
<i>Brontocoris tabidus</i>	Hemiptera	Latin America	lepidopterans	1990	S
<i>Cales noacki</i>	Hymenoptera	Europe	whiteflies	1970	S
<i>Carcinops pumilio</i>	Coleoptera	North America	dipterans	1990	S
<i>Cephalonomia stephanoderis</i>	Hymenoptera	Latin America	coleopterans	1990	L
<i>Cephalonomia tarsalis</i>	Hymenoptera	Europe	coleopterans	1995	S
<i>Ceraeochrysa cincta</i>	Neuroptera	Latin America	aphids	1990	S
<i>Ceraeochrysa smithi</i>	Neuroptera	Latin America	aphids	1995	S
<i>Cheyletus eruditus</i>	Acari	Europe	vertebrate mites	2004	S
<i>Chilocorus baileyi</i>	Coleoptera	Europe, Australia	diaspidids	1992	S
<i>Chilocorus bipustulatus</i>	Coleoptera	Europe	diaspidids	1992 - 2005	S
<i>Chilocorus circumdatus</i>	Coleoptera	Europe, Australia	diaspidids	1902	S
<i>Chouioia cunea</i>	Hymenoptera	Asia	lepidopterans	2005	M
<i>Chilocorus nigritus</i>	Coleoptera	Europe, Africa South	diaspidids	1985	S
<i>Chrysoperla asoralis</i>	Neuroptera	Latin America	aphids	1990	S
<i>Chrysoperla</i> (= <i>Chrysopa</i>) <i>carnea</i>	Neuroptera	Europe, Africa North, North & Latin America, Asia	aphids	1970	M
<i>Chrysoperla cinta</i>	Neuroptera	Latin America	aphids	1990	S
<i>Chrysoperla comanche</i>	Neuroptera	North America	aphids	1990	M
<i>Chrysoperla externa</i>	Neuroptera	Latin America	lepidopterans	1980	L
<i>Chrysoperla lucasina</i>	Neuroptera	Europe	aphids	1995	M
<i>Chrysoperla</i> spp <i>Peru</i>	Neuroptera	Latin America	aphids	1990	L
<i>Chrysoperla rufilabris</i>	Neuroptera	Europe, North America, Latin America	aphids	1970	S
<i>Chrysoperla</i> (= <i>Chrysopa</i>) <i>sinica</i>	Neuroptera	Asia	aphids, lepidopterans	2000	M
<i>Clitostethus arcuatus</i>	Coleoptera	Europe	whiteflies	1997	S
<i>Coccidencyrus ochraceipes</i>	Hymenoptera	Europe	diaspidids	1995	S
<i>Coccidophilus citricola</i>	Coleoptera	Latin America, Europe	diaspidids	1982	S
<i>Coccidoxenoides peregrinus</i>	Hymenoptera	North & Latin America	diaspidids, pseudococcids	2006	S
<i>Coccidoxenoides perminutus</i>	Hymenoptera	Europe, Africa North & South, Latin America	diaspidids, pseudococcids	1995	S
<i>Coccinella septempunctata</i>	Coleoptera	Europe	aphids	1980	S
<i>Coccophagus cowperi</i>	Hymenoptera	Europe	coccids, pseudococcids	1985	S
<i>Coccophagus gurneyi</i>	Hymenoptera	Europe	diaspidids, pseudococcids	1985	S

<i>Coccophagus lycimnia</i>	Hymenoptera	Europe	coccids	1988	S
<i>Coccophagus pulvinariae</i>	Hymenoptera	Europe	coccids	1990	S
<i>Coccophagus rusti</i>	Hymenoptera	Europe	coccids	1988	S
<i>Coccophagus scutellaris</i>	Hymenoptera	Europe	coccids	1986	S
<i>Coccophagus spp Peru</i>	Hymenoptera	Latin America	coccids	1990	M
<i>Coenosia attenuata</i>	Diptera	Europe	dipterans, whiteflies	1996	S
<i>Comperia merceti</i>	Hymenoptera	North America	cockroaches	1980	S
<i>Comperiella bifasciata</i>	Hymenoptera	Europe	diaspidids	1985	S
<i>Coniopteryx tineiformis</i>	Neuroptera	Europe	aphids, mites, scales	1990-2005	S
<i>Conwentzia psociformis</i>	Neuroptera	Europe	aphids, mites, scales	1990-2005	S
<i>Copidosoma sp</i>	Hymenoptera	Latin America	lepidopterans	1995	S
<i>Cotesia flavipes</i>	Hymenoptera	Latin America, Asia	lepidopterans	1974	L
<i>Cotesia glomerata</i>	Hymenoptera	Europe	lepidopterans	1995	S
<i>Cotesia marginiventris</i>	Hymenoptera	North America	lepidopterans	1990	S
<i>Cotesia plutellae</i>	Hymenoptera	North America	lepidopterans	1995	M
<i>Cotesia rubecola</i>	Hymenoptera	Europe	lepidopterans	2000	S
<i>Cryptolaemus montrouzieri</i>	Coleoptera	Europe, South America	mealybugs	1927	M
<i>Cycloneda limbifer</i>	Coleoptera	Europe	aphids	1990	S
<i>Cybocephalus nipponicus</i>	Coleoptera	North America	scales	2000	S
<i>Dacnusa sibirica</i>	Hymenoptera	Europe, Africa North, North & Latin America, Asia	dipterans	1981	L
<i>Dalotia (Atheta) coriaria</i>	Coleoptera	Europe, North America, Asia, Australia	dipterans, thrips	2000	S
<i>Delphastus catalinae</i>	Coleoptera	Europe, North America, Asia	whiteflies	1985	S
<i>Delphastus pusillus</i>	Coleoptera	Europe, North America	whiteflies	1993	M
<i>Diachasmimorpha longicaudata</i>	Hymenoptera	Latin America	dipterans	1990	M
<i>Dibrachys cavus</i>	Hymenoptera	Europe	dipterans	1990	S
<i>Dicyphus errans</i>	Hemiptera	Europe	whiteflies	2000	S
<i>Dicyphus hesperus</i>	Hemiptera	Europe	whiteflies	2000-2005	L
<i>Dicyphus hesperus</i>	Hemiptera	North America	whiteflies	1995	M
<i>Diglyphus begini</i>	Hymenoptera	Latin America	dipterans	2000	M
<i>Diglyphus isaea</i>	Hymenoptera	Europe, Africa North & South, North & Latin America, Asia	dipterans	1984	L
<i>Diomus sp</i>	Coleoptera	Europe	scales	1990	S
<i>Dirhinus giffardii</i>	Hymenoptera	Latin America	dipterans	1990	S
<i>Elasmus albipennis</i>	Hymenoptera	Europe	lepidopterans	1995	S
<i>Encarsia citrina</i>	Hymenoptera	Europe	diaspidids	1984	S

<i>Encarsia guadeloupa</i>	Hymenoptera	Europe	whiteflies	1990-2000	S
<i>Encarsia hispida</i>	Hymenoptera	Europe	whiteflies	1990-2000	S
<i>Encarsia formosa</i>	Hymenoptera	Europe, Africa North & South, North & Latin America, Asia, Australia, New Zealand	whiteflies	1926	L
<i>Encarsia perniciosi</i>	Hymenoptera	Europe	scales	1932	L
<i>Encarsia protransvena</i>	Hymenoptera	Europe	whiteflies	1990-2005	S
<i>Encarsia</i> sp	Hymenoptera	Latin America	whiteflies	1995	S
<i>Encarsia tricolor</i>	Hymenoptera	Europe	whiteflies	1985	S
<i>Encyrtus infelix</i>	Hymenoptera	Europe	coccids	1990	S
<i>Encyrtus lecaniorum</i>	Hymenoptera	Europe	coccids	1985	S
<i>Ephedrus cerasicola</i>	Hymenoptera	Europe	aphids	2008	L
<i>Ephedrus plagiator</i>	Hymenoptera	Europe	aphids	2010	M
<i>Episyrphus balteatus</i>	Diptera	Europe	aphids	1990	M
<i>Eretmocerus corni</i>	Hymenoptera	Latin America	whiteflies	2000	S
<i>Eretmocerus eremicus</i> (= <i>californicus</i>)	Hymenoptera	Europe, Africa North & South, North & Latin America, Asia	whiteflies	1995	L
<i>Eretmocerus hayati</i>	Hymenoptera	Australia	whiteflies	2006	M
<i>Eretmocerus mundus</i>	Hymenoptera	Europe, Africa North & South, North & Latin America, Asia	whiteflies	2001	L
<i>Eretmocerus warrae</i>	Hymenoptera	Australia, New Zealand	whiteflies	2000	L
<i>Eriopsis connexa</i>	Coleoptera	Latin America	coccids, aphids, hemipterans	2000	S
<i>Eucanthecona furcellata</i>	Hemiptera	Asia	aphids, lepidopterans	1996	S
<i>Euseius finlandicus</i>	Acari	Europe	mites	2000	S
<i>Euseius gallicus</i>	Acari	Europe	thrips, whitefly	2013	M
<i>Euseius ovalis</i>	Acari	Europe	thrips, whitefly	2008	M
<i>Euseius scutalis</i>	Acari	Europe	mites	1990	S
<i>Euseius stipulatus</i>	Acari	Europe, South America	mites	2006	M
<i>Exochomus laeviusculus</i>	Coleoptera	Europe	aphids, scales	1988	S
<i>Exochomus quadripustulatus</i>	Coleoptera	Europe	aphids, scales	2000	S
<i>Feltiella acarisuga</i> (= <i>Therodiplosis persicae</i>)	Diptera	Europe, North & Latin America	mites	1990	M
<i>Forficula</i> sp	Dermoptera	Asia	lepidopterans	2010	S
<i>Franklinothrips megalops</i> (= <i>myrmicaeformis</i>)	Thysanoptera	Europe	thrips	1992	S
<i>Franklinothrips vespiformis</i>	Thysanoptera	Europe, Asia	thrips	1990	S
<i>Galendromus (Metaseiulus) annectens</i>	Acari	North America	mites	1990	M

<i>Galendromus (Metaseiulus) helveolus</i>	Acari	North America	mites	1999	S
<i>Galendromus (Typhlodromus) occidentalis</i>	Acari	North America, Australia	mites	1969	L
<i>Galendromus (Metaseiulus) pyri</i>	Acari	North America	mites	1995	L
<i>Galeolaelaps (Hypoaspis) aculeifer</i>	Acari	Europe, Africa North, North America, Asia, Australia, New Zealand	dipterans, thrips, mites	1995	L
<i>Galeolaelaps gillespieii</i>	Acari	North America	dipterans, thrips	2010	L
<i>Geocoris punctipes</i>	Hemiptera	North & Latin America	lepidopterans, whiteflies	2000	S
<i>Goniozus legneri</i>	Hymenoptera	North America	lepidopterans	1990	S
<i>Gynaeseius liturivorus</i>	Acari	Asia	thrips, whitefly	2013	M
<i>Gyranusoidea litura</i>	Hymenoptera	Europe	pseudococcids	1990	M
<i>Habrobracon</i> sp	Hymenoptera	Latin America	lepidopterans	1986	S
<i>Haplothrips brevitubus</i>	Thysanoptera	Asia	thrips	2010	S
<i>Harmonia axyridis</i>	Coleoptera	Europe, except France where wingless <i>H. axyridis</i> are used	aphids	1995-2005	L
<i>Harmonia axyridis</i>	Coleoptera	North America, Asia	aphids	1990	L
<i>Heterorhabditis bacteriophora</i>	Nematoda	Europe, Africa North, North & Latin America, Australia	coleopterans	1984	L
<i>Heterorhabditis indica</i>	Nematoda	North America	coleopterans, dipterans	2000	S
<i>Heterorhabditis megidis</i>	Nematoda	Europe, North & Latin America	coleopterans	1990	L
<i>Heterorhabditis zealandica</i>	Nematoda	Australia	coleopterans	1990	L
<i>Hippodamia convergens</i>	Coleoptera	Europe, Africa North, North & Latin America	aphids, thrips, coccids	1993	S
<i>Hippodamia variegata</i>	Coleoptera	Australia, Latin America	aphids	2000	S
<i>Holobus flavicornis</i>	Coleoptera	Europe	mites	2000	S
<i>Hydrotaea aenescens</i>	Diptera	Europe, North America	dipterans	2000	S
<i>Iphiseius (Amblyseius) degenerans</i>	Acari	Europe, North America	thrips, mites	1993	M
<i>Kampimodromus aberrans</i>	Acari	Europe	mites	1960-1990	S
<i>Karnyothrips melaleucus</i>	Thysanoptera	Europe	diaspidids	1985	S
<i>Lamycctinus coeculus</i>	Chilopoda	Europe	symphylans	1995	S
<i>Lariophagus distinguendus</i>	Hymenoptera	Europa	coleopterans	1995	S
<i>Leis (Harmonia) dimidiata</i>	Coleoptera	Europe	aphids	1995	S
<i>Lemnia biplagiata</i>	Coleoptera	Asia	aphids, whiteflies	1998	S
<i>Leptomastidea abnormis</i>	Hymenoptera	Europe, North America	pseudococcids	1984	S
<i>Leptomastix algerica</i>	Hymenoptera	Europe	pseudococcids	2011	S
<i>Leptomastix dactylopii</i>	Hymenoptera	Europe, Africa North, North & Latin America	pseudococcids	1984	M
<i>Leptomastix epona</i>	Hymenoptera	Europe	pseudococcids	1992	S

<i>Leptomastix histrio</i>	Hymenoptera	Europe	pseudococcids	1995	S
<i>Leptopilina heterotoma</i>	Hymenoptera	Europe	dipterans	2007	S
<i>Lixophaga diatraea</i>	Diptera	Latin America	lepidopterans	1980	L
<i>Lydella jalisco</i>	Diptera	Latin America	lepidopterans	1996	S
<i>Lydella minense</i>	Diptera	Latin America	coleopterans	1990	L
<i>Lysiphlebus fabarum</i>	Hymenoptera	Europe	aphids	1990	S
<i>Lysiphlebus testaceipes</i>	Hymenoptera	Europe	aphids	1990	S
<i>Macrocentrus prolificus</i>	Hymenoptera	Latin America	lepidopterans	2005	S
<i>Macrocheles robustulus</i>	Acari	Europe	dipterans, thrips, lepidopterans	2006	L
<i>Macrolophus caliginosus</i>	Hemiptera	Europe, Africa North, North America, Asia	whiteflies, lepidopterans	2005	M
<i>Macrolophus pygmaeus (nubilis)</i>	Hemiptera	Europe, Africa North & South	whiteflies	1994	L
<i>Mallada basalis</i>	Neuroptera	Asia	aphids, thrips, etc.	2000	M
<i>Mallada signata</i>	Neuroptera	Australia	aphids, thrips, lepidopterans, mealybugs, whiteflies, etc.	2000	L
<i>Mantis religiosa</i>	Mantodea	North America	many pests	1970	S
<i>Megastigmus brevivalvus</i>	Hymenoptera	Australia	hymenopterans	1995	S
<i>Megastigmus trisulcus</i>	Hymenoptera	Australia	hymenopterans	1995	S
<i>Menochilus sexmaculatus</i>	Coleoptera	Asia	aphids, whiteflies	2010	S
<i>Mesoseiulus longipes</i>	Acari	North America	mites	1989	L
<i>Metagonistylum minense</i>	Diptera	Latin America	lepidopterans	1980	S
<i>Metaphycus flavus</i>	Hymenoptera	Europe, North America	coccids	1995	S
<i>Metaphycus helvolus</i>	Hymenoptera	Europe, Australia	coccids	1943	S
<i>Metaphycus lounsburyi (bartletti)</i>	Hymenoptera	Europe, Australia, North America	coccids	1902	S
<i>Metaphycus stanleyi</i>	Hymenoptera	Europe	coccids	1990	S
<i>Metaphycus swirskii</i>	Hymenoptera	Europe	coccids	1995	S
<i>Metaphycus spp Peru</i>	Hymenoptera	Latin America	coccids	1990	S
<i>Metaseiulus occidentalis</i>	Acari	Europe	mites	1985	S
<i>Meteorus gyrator</i>	Hymenoptera	Europe	lepidopterans	2005	S
<i>Micromus angulatus</i>	Neuroptera	Europe, South Korea	aphids	2005	S
<i>Micromus tasmaniae</i>	Neuroptera	Australia, New Zealand	aphids, thrips, lepidopterans, whiteflies, etc	2000	S
<i>Micromus variegatus</i>	Neuroptera	North America	aphids	2010	L
<i>Microterys flavus</i>	Hymenoptera	Europe	coccids	1987	S
<i>Microterys nietneri</i>	Hymenoptera	Europe	coccids	1987	S

<i>Muscidifurax raptor</i>	Hymenoptera	Europe, Africa South, North & Latin America	dipterans	1970	L
<i>Muscidifurax raptorellus</i>	Hymenoptera	Europe, Africa North, North America	dipterans	1970	M
<i>Muscidifurax zaraptor</i>	Hymenoptera	Europe, North America, Latin America	dipterans	1982	M
<i>Nabis pseudoferus ibericus</i>	Hemiptera	Europe	lepidopterans	2009	S
<i>Nasonia vitripennis</i>	Hymenoptera	Europe, North America	dipterans	1970	M
<i>Necremnus artynes</i>	Hymenoptera	Europe	lepidopterans	2010	S
<i>Neochrysocharis formosa</i>	Hymenoptera	Asia	dipterans	1990	M
<i>Neodryinus typhlocybae</i>	Hymenoptera	Europe	planthoppers	2007	S
<i>Neoseiulus (Amblyseius) barkeri</i>	Acari	Europe, Latin America	thrips	1981	S
<i>Neoseiulus (Amblyseius) californicus</i>	Acari	Europe, Africa North & South, North & Latin America, Asia	mites	1985	L
<i>Neoseiulus (Amblyseius) cucumeris</i>	Acari	Europe, Africa North & South, North & Latin America, Asia, Australia, New Zealand	thrips, mites	1985	L
<i>Neoseiulus (Amblyseius) fallaxis</i>	Acari	Europe, North America	mites	1997	S
<i>Neoseiulus longispinosus</i>	Acari	Latin America	mites	2005	S
<i>Neoseiulus wearnei</i>	Acari	Australia	mites	2000	S
<i>Nephus includens</i>	Coleoptera	Europe	pseudococcids	2000	S
<i>Nephus quadrimaculatus</i>	Coleoptera	Europe	aphids, pseudococcids	2005	S
<i>Nephus reunioni</i>	Coleoptera	Europe	pseudococcids	1990	S
<i>Nesidiocoris tenuis</i>	Hemiptera	Europe, Africa North, Asia, North America	whiteflies, lepidopterans	2003	L
<i>Olla abdominalis(=v-nigrans)</i>	Coleoptera	North & Latin America	aphids, hemipterans	1990	S
<i>Ooencyrtus kuvanae</i>	Hymenoptera	Europe	lepidopterans	1923	S
<i>Ooencyrtus pityocampae</i>	Hymenoptera	Europe	lepidopterans	1997	S
<i>Ophelosia crawfordi</i>	Hymenoptera	Europe	coccids, pseudococcids, margarodids	1980	S
<i>Ophyra aenescens</i>	Diptera	Europe, North America	dipterans	1995	S
<i>Opius pallipes</i>	Hymenoptera	Europe	dipterans	1980	S
<i>Orgilus obscurator</i>	Hymenoptera	Latin America	lepidopterans	1990	L
<i>Orius albidipennis</i>	Hemiptera	Europe	thrips	1993	S
<i>Orius armatus</i>	Hemiptera	Australia	thrips	1990	S
<i>Orius insidiosus</i>	Hemiptera	Europe	thrips	1991 - 2000	L
<i>Orius insidiosus</i>	Hemiptera	North & Latin America, Asia	thrips, aphids, whiteflies	1985	L
<i>Orius laevigatus</i>	Hemiptera	Europe, Africa North, Asia, North America	thrips	1993	L
<i>Orius majusculus</i>	Hemiptera	Europe, North America	thrips	1993	M
<i>Orius minutus</i>	Hemiptera	Europe, Asia	thrips	1993	S

<i>Orius sauteri</i>	Hemiptera	Asia	aphids, mites, thrips,	2005	M
<i>Orius strigicollis</i>	Hemiptera	Asia	thrips	2000	M
<i>Orius tristicolor</i>	Hemiptera	Europe	thrips	1995 - 2000	S
<i>Orius vicinus</i>	Hemiptera	New Zealand	thrips, aphids, mites	2010	M
<i>Pachycrepoideus vindemiae</i>	Hymenoptera	Latin America	dipterans	1980	L
<i>Paratheresia claripalpis</i>	Diptera	Latin America	lepidopterans	1980	L
<i>Pediobius foveolatus</i>	Hymenoptera	North America	coleopterans	1980	S
<i>Pentalitomastix plethoricus</i>	Hymenoptera	North America	lepidopterans	1980	S
<i>Peristenus digoneutis</i>	Hymenoptera	North America	Hemipterans	1980	S
<i>Peristenus relictus</i>	Hymenoptera	North America	Hemipterans	2001	L
<i>Pergamasus quisquiliarum</i>	Acari	Europe	symphylans	2000	S
<i>Phasmarhabditis hermaphrodita</i>	Nematoda	Europe	snails	1994	S
<i>Pheidole megacephala</i>	Hymenoptera	Latin America	colepterans	1990	L
<i>Phytoseius finitimus</i>	Acari	Europe	mites	2000	S
<i>Phytoseiulus longipes</i>	Acari	Europe, Latin America	mites	1990	S
<i>Phytoseiulus macropilis</i>	Acari	Europa, North & Latin America	mites	1980	L
<i>Phytoseiulus persimilis</i>	Acari	Europe, Africa North & South, North & Latin America, Asia, Australia, New Zealand	mites	1968	L
<i>Picromerus bidens</i>	Hemiptera	Europe	lepidopterans	1990	S
<i>Podisus maculiventris</i>	Hemiptera	Europe, North America	coleopterans, lepidopterans	1996	S
<i>Podisus nigrispinus</i>	Hemiptera	Latin America	lepidopterans	1990	S
<i>Podisus</i> sp	Hemiptera	Latin America	lepidopterans	1985	S
<i>Praon</i> sp	Hymenoptera	Latin America	aphids	1980	S
<i>Praon volucre</i>	Hymenoptera	Europe	aphids	1990	S
<i>Propylaea japonica</i>	Coleoptera	Asia	aphids	2014	S
<i>Propylaea quatuordecimpunctata</i>	Coleoptera	Europe	aphids	1995	S
<i>Propops nasuta</i>	Hymenoptera	Latin America	coleopterans	1990	L
<i>Prospaltella spp</i>	Hymenoptera	Latin America	diaspidids	1990	M
<i>Pseudaphycus angelicus</i>	Hymenoptera	Europe	pseudococcids	1990	S
<i>Pseudaphycus flavidulus</i>	Hymenoptera	Europe, Latin America	pseudococcids	1990	S
<i>Pseudaphycus maculipennis</i>	Hymenoptera	Europe	pseudococcids	1980	S
<i>Psytalia concolor</i>	Hymenoptera	Europe	dipteran	1968 - 2000	S
<i>Rhizobius chrysomeloides</i>	Coleoptera	Europe	coccids	1980	S
<i>Rhizobius forestieri</i>	Coleoptera	Europe	coccids	1980	S

<i>Rhyzobius (Lindorus) lophanthae</i>	Coleoptera	Europe, North & Latin America	coccids	1980	S
<i>Rodolia cardinalis</i>	Coleoptera	Europe, Asia	margarodids	1990	S
<i>Rumina decollata</i>	Mollusca	Europe, North America	molluscs	1990	S
<i>Saniosulus nudus</i>	Acari	Europe	diaspidids	1990	S
<i>Scolothrips sexmaculatus</i>	Thysanoptera	Europe, North America	mites, thrips	1990	S
<i>Scutellista caerulea (cyanea)</i>	Hymenoptera	Europe	coccids	1990	S
<i>Scymnus loewii</i>	Coleoptera	New Zealand	aphids	1995	S
<i>Scymnus rubromaculatus</i>	Coleoptera	Europe	aphids	1990	S
<i>Spalangia cameroni</i>	Hymenoptera	Europa, Africa North, North & Latin America	dipterans	1970	S
<i>Spalangia endius</i>	Hymenoptera	North & Latin America, Australia	dipterans	1970	L
<i>Spalangia gemini</i>	Hymenoptera	North America	dipterans	1980	S
<i>Spalangia nigroaenea</i>	Hymenoptera	North & Latin America	dipterans	1980	S
<i>Sphaerophoria rueppellii</i>	Diptera	Europe	aphids	2015	S
<i>Stagmomantis carolina</i>	Mantodea	North America	many pest species	1990	S
<i>Steinernema carpocapsae</i>	Nematoda	Europe, Africa North, North & Latin America, Asia, Australia, New Zealand	coleopterans, lepidopterans	1984	M
<i>Steinernema glaseri</i>	Nematoda	Europe, North America, Asia	coleopterans	1990	S
<i>Steinernema felitiae</i>	Nematoda	Europe, Africa North & South, North & Latin America, Australia, New Zealand, Asia	coleopterans, sciarids, dipteran leafminers	1984	L
<i>Steinernema kraussei</i>	Nematoda	Europe, North America	coleopterans	2000	S
<i>Steinernema riobrave</i>	Nematoda	North America	lepidopterans, coleopterans	2000	S
<i>Steinernema scapterisci</i>	Nematoda	North America	orthopterans	1990	S
<i>Stethorus punctillum</i>	Coleoptera	Europe, North America, Asia	mites	1984	S
<i>Stethorus punctipes</i>	Coleoptera	North America	mites	1980	S
<i>Stethorus sp</i>	Coleoptera	Latin America	mites	1995	S
<i>Stratiolaelaps (Hypoaspis) miles</i>	Acari	Europa, North America, Australia, New Zealand	sciarids, thrips	1995	L
<i>Stratiolaelaps (Hypoaspis) scimitus</i>	Acari	Europa, North & Latin America, Australia, New Zealand	sciarids	1990	L
<i>Sympherobius barberi</i>	Neuroptera	North America	pseudococcids, aphids etc	1980	L
<i>Sympherobius fallax</i>	Neuroptera	Europe	pseudococcids	1994	S
<i>Sympherobius maculipennis</i>	Neuroptera	Latin America	pseudococcids	1990	S
<i>Sympherobius sp</i>	Neuroptera	Latin America	whiteflies	1995	S
<i>Synacra paupera</i>	Hymenoptera	Europe	sciarids	2000	S
<i>Synopeas sp</i>	Hymenoptera	Latin America	dipterans	1990	S
<i>Tamarixia radiata</i>	Hymenoptera	Latin America	psyllids	2010	L

<i>Tamarixia triaozae</i>	Hymenoptera	North & Latin America	psyllids	2001	L
<i>Telenomus podisi</i>	Hymenoptera	Latin America	hemipterans	2004	M
<i>Telenomus remus</i>	Hymenoptera	Latin America	lepidopterans	1990	L
<i>Telenomus sp</i>	Hymenoptera	Latin America	lepidopterans	1990	S
<i>Tenodera aridifolia sinensis</i>	Mantodea	North America	many pest species	1990	S
<i>Tetracnemoidea brevicornis</i> (= <i>Hungariella pretiosa</i>)	Hymenoptera	Europe	pseudococcids, margarodids	1990	S
<i>Tetracnemoidea peregrina</i> (= <i>Hungariella peregrina</i>)	Hymenoptera	Europe	pseudococcids, margarodids	1990	S
<i>Tetrastichus coeruleus (asparagi)</i>	Hymenoptera	Europe	coleopterans	2000	S
<i>Tetrastichus hagenowi</i>	Hymenoptera	Asia	cockroaches	1980	S
<i>Tetrastichus howardii</i>	Hymenoptera	Latin America	lepidopterans	1995	S
<i>Thripobius semiluteus</i>	Hymenoptera	Europe, North & Latin America, Australia	thrips	1995	S
<i>Thyphiodromus pyri</i>	Acari	Latin America Chile	mites	2000	M
<i>Transeius (=Amblyseius) montdorensis</i>	Acari	Europe	thrips, whiteflies, tarsonomids	2004	S
<i>Trichogramma achaeae</i>	Hymenoptera	Europe	lepidopterans	2012	M
<i>Trichogramma atopovirilia</i>	Hymenoptera	Latin America	lepidopterans	1990	S
<i>Trichogramma bactrae</i>	Hymenoptera	Latin America, Asia	lepidopterans	1980	M
<i>Trichogramma bournieri</i>	Hymenoptera	Africa South	lepidopterans	2001	S
<i>Trichogramma brassicae (= maidis)</i>	Hymenoptera	Europe, North America	lepidopterans	1980	S
<i>Trichogramma cacoeciae</i>	Hymenoptera	Europe, Latin America	lepidopterans	1980	S
<i>Trichogramma carverae</i>	Hymenoptera	Australia	lepidopterans	1990	L
<i>Trichogramma confusum (=chilonus)</i>	Hymenoptera	Asia, Australia	lepidopterans	1970	L
<i>Trichogramma dendrolimi</i>	Hymenoptera	Europe, Asia	lepidopterans	1950	L
<i>Trichogramma embryophagum</i>	Hymenoptera	Europe	lepidopterans	1994	M
<i>Trichogramma euproctidis</i>	Hymenoptera	Europe	lepidopterans	1960	M
<i>Trichogramma evanescens</i>	Hymenoptera	Europe, Africa North, Asia	lepidopterans	1975	L
<i>Trichogramma exiguum</i>	Hymenoptera	Latin America	lepidopterans	1990	L
<i>Trichogramma fuentesi</i>	Hymenoptera	Latin America	lepidopterans	1990	S
<i>Trichogramma galloi</i>	Hymenoptera	Latin America	lepidopterans	1980	L
<i>Trichogramma japonicum</i>	Hymenoptera	Asia	lepidopterans	1990	S
<i>Trichogramma minutum</i>	Hymenoptera	North America	lepidopterans	1970	S
<i>Trichogramma nerudai</i>	Hymenoptera	Latin America	lepidopterans	1990	S
<i>Trichogramma ostriniae</i>	Hymenoptera	North America, Asia	lepidopterans	1980	S

<i>Trichogramma pinto</i>	Hymenoptera	Europe, Latin America	lepidopterans	1990	M
<i>Trichogramma platneri</i>	Hymenoptera	North & Latin America	lepidopterans	1990	S
<i>Trichogramma pretiosum</i>	Hymenoptera	North & Latin America, Australia	lepidopterans	1974	L
<i>Trichogrammatoidea cryptophlebiae</i>	Hymenoptera	Africa South, Australia	lepidopterans	1990	L
<i>Typhlodromus athiasae</i>	Acari	Europe	mites	1995	S
<i>Trissolcus basalis</i>	Hymenoptera	Latin America	Hemipterans	1995	S
<i>Typhlodromus doreenae</i>	Acari	Europe	mites	2003	S
<i>Typhlodromus occidentalis</i>	Acari	Australia	mites	1970	M
<i>Typhlodromus pyri</i>	Acari	Europe, Australia	mites	1990	S
<i>Typhlodromips montdorensis</i>	Acari	Europe, Australia	thrips, mites	2003	L
<i>Urolepis rufipes</i>	Hymenoptera	North America	dipterans	1990	S
<i>Wollastoniella rotunda</i>	Hemiptera	Asia	thrips	2005	S
<i>Xenostigmus bifasciatus</i>	Hymenoptera	Latin America	aphids	2002	S
<i>Xylocoris flavipes</i>	Hemiptera	North America	coleopterans	2000	S

Key: Market value: L = large (hundred thousand to millions individuals sold per week), M = medium (ten thousand to a hundred thousand individuals sold per week), S = small (hundreds to a few thousands individuals sold per week). In case of doubt, when numbers sold per week could not be estimated from published material, the market value was rated as S. The authors would appreciate corrections and updates of this table. Africa North = North of Sahara; Africa South = South of Sahara; North America = Canada + USA; Latin America = Caribbean, Central and South America. Grey shaded natural enemies: no longer in use.