

## BIO-A BIOLOGICAL CONTROL ORGANISMS

### Invertebrate Organisms for the Biological Control of WEEDS

Biological control agent	Target weed	
Scientific name	Common name	Scientific name
<i>Agapeta zoegana</i>	Spotted Knapweed	<i>Centaurea stoebe micranthos</i>
<i>Agasicles hygrophila</i>	Alligator Weed	<i>Alternanthera philoxeroides</i>
<i>Agonopterix alstroemeriana</i>	Poison Hemlock	<i>Conium maculatum</i>
<i>Amynothrips andersoni</i>	Alligator Weed	<i>Alternanthera philoxeroides</i>
<i>Aphthona cyparissiae</i>	Leafy Spurge	<i>Euphorbia esula</i>
<i>Aphthona czwalinae</i>	Leafy Spurge	<i>Euphorbia esula</i>
<i>Aphthona flava</i>	Leafy Spurge	<i>Euphorbia esula</i>
<i>Aphthona lacertosa</i>	Leafy Spurge	<i>Euphorbia esula</i>
<i>Aphthona nigriscutis</i>	Leafy Spurge	<i>Euphorbia esula</i>
<i>Arcola malloi</i>	Alligator Weed	<i>Alternanthera philoxeroides</i>
<i>Bangasternus fausti</i>	Diffuse, Spotted, squarrose knapweeds	
<i>Bangasternus orientalis</i>	Yellow starthistle	<i>Centaurea solstitialis</i>
<i>Boreioglycaspis melaleucae</i>	Paperbark tree, Melaleuca	<i>Melaleuca quinquenervia</i>
<i>Botanophila seneciella</i> (=Hylemyia seneciella, Pegohylemyia seneciella)	Tansy ragwort	<i>Senecio jacobaea</i>
<i>Bruchidius villosus</i>	Genista monspessulana,	<i>Cytisus scoparius</i>
<i>Calophasia lunula</i>	Dalmatian and Yellow toadflax	<i>Linaria genistifolia dalmatica, Linaria vulgaris</i>
<i>Coleophora parthenica</i>	Russian thistle <i>Salsola tragus</i>	<i>Salsola tragus</i>
<i>Cyphocleonus achates</i>	Spotted Knapweed	<i>Centaurea stoebe micranthos</i>

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<i>Cyrtobagous salviniae</i>	Giant salvinia/ Water spangles	<i>Salvinia molesta</i> / <i>Salvinia minima</i>
<i>Cystiphora schmidti</i>	Rush skeletonweed	<i>Chondrilla juncea</i>
<i>Eriophyes (=Aceria) chondrillae</i>	Rush skeletonweed	<i>Chondrilla juncea</i>
<i>Eteobalea intermediella</i>	Dalmatian toadflax/ common (yellow) toadflax	<i>Linaria dalmatica</i> / <i>L. vulgaris</i>
<i>Eustenopus villosus</i>	Yellow starthistle	<i>Centaurea solstitialis</i>
<i>Exapion (=Apion) fuscirostre</i>	Brooms	<i>Genista monspessulana</i> , <i>Cytisus scoparius</i>
<i>Exapion (=Apion) ulicis</i>	Gorse	<i>Ulex europaeus</i>
<i>Fergusonina turneri</i>	Melaleuca	<i>Melaleuca quinquenervia</i>
<i>Galerucella californiensis</i>	Purple Loosestrife	<i>Lythrum salicaria</i>
<i>Galerucella pusilla</i>	Purple Loosestrife	<i>Lythrum salicaria</i>
<i>Gratiana boliviana</i>	Tropical soda apple	<i>Solanum viarum</i>
<i>Hydrellia balciunasi</i>	Hydrilla	<i>Hydrilla verticillata</i>
<i>Hydrellia pakistanae</i>	Hydrilla	<i>Hydrilla verticillata</i>
<i>Jaapiella ivannikova</i>	Russian Knapweed	<i>Acroptilon repens</i>
<i>Larinus minutus</i>	Diffuse Knapweed	
<i>Larinus obtusus</i>	Spotted Knapweed and others	
<i>Leucoptera spartifoliella</i>	Brooms	<i>Genista monspessulana</i> , <i>Cytisus scoparius</i>
<i>Lilioceris cheni</i>	Air potato	<i>Dioscorea bulbifera</i>
<i>Longitarsus jacobaeae</i>	Tansy ragwort	<i>Senecio jacobaea</i>

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<i>Mecinus janthinus</i>	Yellow toadflax	<i>Linaria vulgaris</i>
<i>Mecinus janthiniformis</i>	Dalmatian toadflax	<i>Linaria genistifolia dalmatica</i>
<i>Megamelus scutellaris</i>	Water hyacinth	<i>Eichhornia crassipes</i>
<i>Metzneria paucipunctella</i>	Spotted Knapweed and others	
<i>Microlarinus lareynii</i>	Puncturevine	
<i>Microlarinus lypriformis</i>	Puncturevine	<i>Tribulus terrestris</i>
<i>Nanophyes marmoratus</i>	Purple Loosestrife	<i>Lythrum salicaria</i>
<i>Neochetina eichhorniae</i>	Waterhyacinth	<i>Eichhornia crassipes</i>
<i>Neochetina bruchi</i>	Waterhyacinth <i>Eichhornia crassipes</i>	<i>Eichhornia crassipes</i>
<i>Neohydronomus affinis</i>	Waterlettuce	<i>Pistia stratiotes</i>
<i>Neomusotima conspurcatalis</i>	Old World climbing fern	<i>Lygodium microphyllum</i>
<i>Niphograptus albiguttalis</i> (= <i>Sameodes albiguttalis</i> )	Waterhyacinth	<i>Eichhornia crassipes</i>
<i>Oberea erythrocephala</i>	Leafy Spurge	<i>Euphorbia esula</i>
<i>Oxyops vitiosa</i>	Melaleuca	<i>Melaleuca quinquenervia</i>
<i>Phrydiuchus tau</i>	Mediterranean sage	<i>Salvia aethiopsis</i>
<i>Psylloides chalcomera</i>	Plumeless thistles (esp. musk thistle)	<i>Carduus spp.</i>
<i>Puccinia jaceae</i> var. <i>solstitialis</i>	Yellow starthistle	<i>Centaurea solstitialis</i>
<i>Rhinoncomimus latipes</i>	Mile-a-minute weed	<i>Persicaria perfoliata</i> (= <i>Polygonum perfoliatum</i> )
<i>Rhinusa antirrhini</i> (= <i>Gymnetron antirrhini</i> )	Dalmatian and Yellow toadflax	<i>Linaria genistifolia dalmatica</i> , <i>Linaria vulgaris</i>

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<i>Rhinusa linariae</i> (= <i>Gymnetron linariae</i> )	Dalmatian and Yellow toadflax	<i>Linaria genistifolia dalmatica</i> , <i>Linaria vulgaris</i>
<i>Sphenoptera jugoslavica</i>	Diffuse Knapweed primarily, but spotted and squarrose as well	
<i>Spurgia esulae</i>	Leafy Spurge	<i>Euphorbia esula</i>
<i>Terellia virens</i>	Spotted Knapweed, but also diffuse	
<i>Tetramesa romana</i>	Giant arundo	<i>Arundo donax</i>
<i>Tetranychus lintearius</i>	Gorse	<i>Ulex europaeus</i>
<i>Tyta luctuosa</i>	Field bindweed	<i>Convolvulus arvensis</i> , <i>Calystegia sepium</i>
<i>Urophora affinis</i>	Spotted, Diffuse and Squarrose knapweeds	<i>Centuarea diffusa</i> ; <i>C. maculosa</i> ; <i>C. virgata</i> (= <i>C. squarrosa</i> )
<i>Urophora cardui</i>	Canada thistle	
<i>Urophora quadrifasciata</i>	Several Knapweeds	
<i>Urophora sirunaseva</i>	Yellow starthistle	<i>Centaurea solstitialis</i>
<i>Urophora stylata</i>	Bull thistle	