

Biological Control Basics

Glossary

What is biological control of weeds?

How safe are biocontrol agents for weeds

Insects commonly mistaken for biocontrol agents

Fungi commonly mistaken for biocontrol agents

Biological control success stories

Conflicts of interest

Social, ethical, economic & environmental implications of biocontrol

Guidelines for selecting release sites for biocontrol agents

Guidelines for collecting, relocating & releasing insect biocontrol agents

How to release biocontrol agents in a way that facilitates assessment

Guidelines for keeping track of biocontrol agents

Release and monitoring forms

Release sheet

Boneseed leafroller

Broom gall mite

Broom leaf beetle

Broom psyllid

Broom shoot moth

Broom seed beetle

Californian thistle gall fly

Californian thistle leaf beetle

Californian thistle stem miner

Green thistle beetle

Cinnabar moth

Gorse colonial hard shoot moth

Gorse pod moth

Gorse soft shoot moth

Gorse spider mite

Gorse thrips

Heather beetle

Hieracium gall midge

Hieracium gall wasp

Mist flower gall fly

Nodding thistle crown weevil

Nodding thistle gall fly

Old man's beard leaf fungus

Old man's beard leaf miner

Old man's beard sawfly

Ragwort crown-boring moth

Ragwort flea beetle

Ragwort plume moth

Scotch thistle gall fly

Tradescantia leaf beetle

Woolly nightshade lace bug

Techniques for assessing the impact of biocontrol agents

Inundative control using bioherbicides

Alligator Weed (*Alternanthera philoxeroides*)

Alligator weed beetle

Alligator weed moth

Broom (*Cytisus scoparius*)

Broom gall mite

Broom leaf beetle

Broom psyllid

Broom seed beetle



Broom shoot moth
Broom twig miner
Broom agents & herbicides
Enhancing biocontrol of broom by using modelling predictions

Californian Thistle (*Cirsium arvense*)

Californian thistle gall fly
Californian thistle leaf beetle
Californian thistle stem miner
Green thistle beetle
Pathogens on Californian thistle

Gorse (*Ulex europaeus*)

Gorse colonial hard shoot moth
Gorse pod moth
Gorse seed weevil
Gorse soft shoot moth
Gorse spider mite
Gorse thrips
Native insects that damage gorse
Enhancing biocontrol of gorse by using modelling predictions

Hawkweeds (*Hieracium spp.*)

Hieracium gall midge
Hieracium gall wasp
Hieracium hover flies
Hieracium plume moth
Hieracium rust

Mist Flower (*Ageratina riparia*)

Mist flower fungus
Mist flower gall fly

Nodding Thistle (*Carduus nutans*)

Nodding thistle crown weevil
Nodding thistle gall fly
Nodding thistle receptacle weevil

Old Mans' Beard (*Clematis vitalba*)

Old man's beard leaf fungus
Old man's beard leaf miner
Old man's beard saw fly

Other

Blackberry rust
Buddleia leaf weevil
Boneseed leafroller
Heather beetle
Hemlock moth
Scotch thistle gall fly
St John's wort beetle
Tradescantia leaf beetle
Woolly nightshade lace bug

Ragwort (*Senecio jacobaea*)

Cinnabar moth
Ragwort biocontrol agents & sprays
Ragwort crown-boring moth
Ragwort flea beetle
Ragwort flea beetle assessment technique
Ragwort flea beetle & herbicides
Ragwort plume moth
Ragwort seed fly