

**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

Guidelines for keeping track of biocontrol agents

Techniques for assessing the impact of biocontrol agents

National Assessment Protocol

National Assessment Protocol - Specific Guidelines

Release and monitoring forms

Pre-release sheet

Release sheet

Boneseed leafroller

Broom gall mite

Broom leaf beetle

Broom psyllid

Broom shoot moth

Broom seed beetle

Broom twig miner

Californian thistle gall fly

Californian thistle leaf beetle

Californian thistle stem miner

Green thistle beetle

Cinnabar moth

Giant reed gall wasp

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

Honshu white admiral

Japanese honeysuckle stem beetle

Lantana blister rust

Lantana leaf rust

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

Privet lace bug

Ragwort crown-boring moth

Ragwort flea beetle

Ragwort plume moth

Scotch thistle gall fly

Tradescantia leaf beetle

Tradescantia stem beetle

Tradescantia tip beetle

Tradescantia yellow leaf spot fungus



Tutsan beetle  
Tutsan moth  
Woolly nightshade lace bug  
Inundative control using bioherbicides

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**Alligator Weed (*Alternanthera philoxeroides*)**

Alligator weed beetle  
Alligator weed moth

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**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

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**Californian Thistle (*Cirsium arvense*)**

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

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**Darwin's Barberry (*Berberis darwinii*)**

Darwin's barberry flower weevil  
Darwin's barberry seed weevil

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**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

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**Hawkweeds (*Pilosella* spp.)**

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

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**Japanese honeysuckle (*Lonicera japonica*)**

Honshu white admiral  
Japanese honeysuckle stem beetle

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**Lantana (*Lantana camara*)**

Lantana blister rust  
Lantana leaf rust

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**Mist Flower (*Ageratina riparia*)**

Mist flower fungus  
Mist flower gall fly

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**Nodding Thistle (*Carduus nutans*)**

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

## **Old Mans' Beard (*Clematis vitalba*)**

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Old man's beard leaf fungus  
Old man's beard leaf miner  
Old man's beard sawfly

## **Other**

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Blackberry rust  
Buddleia leaf weevil  
Boneseed leafroller  
Field horsetail weevil  
Giant reed gall wasp  
Heather beetle  
Hemlock moth  
Privet lace bug  
Scotch thistle gall fly  
St John's wort beetle  
Woolly nightshade lace bug

## **Ragwort (*Jacobaea vulgaris*)**

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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

## **Tradescantia (*Tradescantia fluminensis*)**

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Tradescantia beetle comparison  
Tradescantia leaf beetle  
Tradescantia stem beetle  
Tradescantia tip beetle  
Tradescantia yellow leaf spot fungus

## **Tutsan (*Hypericum androsaemum*)**

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Tutsan beetle  
Tutsan moth  
Tutsan rust