

# Biological Control of Weeds Recovery Sheet

(Please refer to the back of this sheet for instructions)



Manaaki Whenua  
Landcare Research

**Site name:**

**Date:**

**Organisation:**

**Time of day:**

**Observer(s):**

## **Current weather conditions**

- 1) Sunny / Partly / Overcast / Rain
- 2) Strong wind / Light wind / Calm
- 3) Temperature (°C) < 10 / 10-15 / 15 -20/ 20 -25 / >25

## **Insect information**

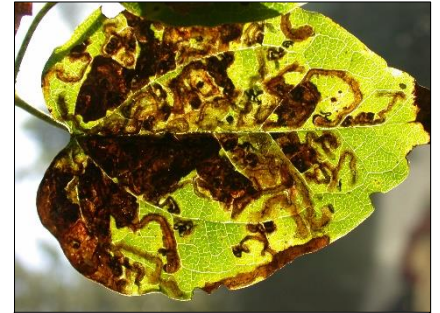
- 4) Number of mined leaves seen at the release point in 10 mins:
- 5) Approximate number of mines per leaf 0 / 1-2 / 3-5 / 6-10 / >10
- 6) Furthest distance mined leaves found from release point (m):  
None Found / <20 / 20-50 / 50-100 / 100-300 / 300-500 / Further?
- 7) Time spent searching beyond the release point (mins):

## **Weed Information**

- 8) Most obvious life stage: New Leafy Growth / Flowers / Seeding
- 9) Old Man's Beard type at the release point: Isolated Bushes / Clumps / Block
- 10) Infestation: Major (as far as eye can see) / Moderate (>100m<sup>2</sup>) / Minor (<100m<sup>2</sup>)
- 11) Photos taken: Yes / No
- 12) Photo compass bearing:
- 13) GPS for photopoint:
- 14) Photo file name:

## **Comments**

- 15) Have any of the following happened to the site recently?  
Mowing / Spraying / Grazing / Flood / Drought / Fire / Other?
- 16) Please use the back of this sheet to record any further observations or comments about the site, including any checks for non-target damage.



**Old Man's Beard Leaf  
Miner**

## **INSTRUCTIONS FOR FILLING OUT THIS SHEET**

**(Please note that it is important to complete these questions in order)**

**Where choices are given mark the correct answer by bolding or highlighting it or by deleting the other options.**

- **Site Name** – please be consistent in the use of site names to prevent confusion.
- **Organisation** – the name of your organisation.
- **Observer(s)** – the names of people who helped with this recovery not onlookers.

### **Current Weather Conditions**

1-3) Choose the words that best describe the weather conditions.

### **Insect information**

- 4) Spend 10 minutes looking at all the plants within a 5 m radius of the release point. Record how many mined leaves you can find.
- 5) Estimate how many mines you found, on average, per leaf?
- 6) If you have time to look further afield we would like to know how far away from the release point you can find mined leaves
- 7) Record how long you spent actively searching.

### **Weed Information**

- 8) Record the most obvious life stage.
- 9) Record the type of Old Man's Beard growing at the release point.
- 10) Estimate and record the approximate size of the infestation using the categories provided.
- 11) Please indicate if you have taken photos.
- 12-14) If you have taken photos please record the photo compass bearing, the GPS point, the file name for the photo and attach hard copies to this form if you can.

### **Comments**

- 15) Please indicate if any of these important events have happened to the site.
- 16) Tell us any other important information we should know about the site (e.g. whether you have been harvesting for release at new sites). If you are able to check for non-target damage the species of interest, if they occur nearby, are St John's wort (*Hypericum perforatum*), our native *Hypericum* species (*H. involutum*, *H. pusillum*, and *H. rubicundulum*). Please indicate if you look and don't find any non-target damage. If you think you have found some please take photos and specimens to send to us to check. Use the top of this page if you need extra space.