Date: 

Monitoring Record Number……………………(Official use only)

Monitoring/Observation of biological control agents- Leaf spotter

Biocontrol Agent: 

Target Weed:

1. Details of person conducting monitoring (NB)

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Telephone</th>
<th>Fax Number:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Organisation</th>
<th>E-mail Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Location of site

If a previously registered release site, release record number.

<table>
<thead>
<tr>
<th>Province</th>
<th>District/Farm Name</th>
<th>Nearest Town</th>
<th>¼/Square Number</th>
<th>Latitude (°S)</th>
<th>Longitude (°E)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Actual Position (give description)

3. Habitat of site (tick appropriate boxes)

<table>
<thead>
<tr>
<th>Natural vegetation types</th>
<th>Disturbance/land use</th>
<th>Landform/moisture regime</th>
<th>Aspect</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forest</td>
<td>Road/rail side</td>
<td>Watercourse</td>
<td>Direction- N</td>
</tr>
<tr>
<td>Savanna</td>
<td>Around habitation</td>
<td>Wetland</td>
<td>S</td>
</tr>
<tr>
<td>Grassland</td>
<td>Plantation</td>
<td>Dryland/well drained</td>
<td>E</td>
</tr>
<tr>
<td>Karoo</td>
<td>Arable/Ploughed</td>
<td>Kloof/ravine</td>
<td>W</td>
</tr>
<tr>
<td>Fynbos</td>
<td>Pastoral</td>
<td>Wetland</td>
<td>S</td>
</tr>
<tr>
<td>Transformed</td>
<td>Wasteland</td>
<td>Deep sand</td>
<td>G</td>
</tr>
</tbody>
</table>

4. Host plant (weed) abundance (circle one appropriate code e.g. (F ) )

<table>
<thead>
<tr>
<th>P = Present (abundance uncertain)</th>
<th>R = Rare (one sighting of one or a few plants)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q = Occasional (a few sightings of one or a few plants)</td>
<td>F = Frequent (many sightings of single plants of small groups)</td>
</tr>
<tr>
<td>A = Abundant (many sightings of clumps or stands)</td>
<td>V = Very abundant (forming extensive stands)</td>
</tr>
</tbody>
</table>

5. Insect Presence (circle one code in each line e.g. (Y ) )

<table>
<thead>
<tr>
<th>Signs of insect feeding: Y = Yes</th>
<th>N = No</th>
</tr>
</thead>
<tbody>
<tr>
<td>If yes, are there visible spots? Y = Yes</td>
<td>N = No</td>
</tr>
<tr>
<td>What do the spots look like? Small</td>
<td>Medium</td>
</tr>
<tr>
<td>Life stages seen: E = Egg batches</td>
<td>N = Nymphs</td>
</tr>
<tr>
<td>Are they being attacked: (e.g. by ants): N = No</td>
<td>Som = Some predation</td>
</tr>
<tr>
<td>If yes, by what? P = Present</td>
<td>Abu = Abundant (large numbers immediately apparent)</td>
</tr>
</tbody>
</table>

6. Damage to weed (circle one appropriate code e.g. Tr)

<table>
<thead>
<tr>
<th>Tr = Trivial (infrequent signs of damage)</th>
<th>Mod = Moderate (Frequent signs of damage, plants unstrained)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Con = Considerable (signs of stress or some deformation)</td>
<td>Ext = Extensive (host obviously stressed or extensively deformed)</td>
</tr>
<tr>
<td>Tot = Total (host plants dead, total collapse of weed population)</td>
<td></td>
</tr>
</tbody>
</table>

Contributors: DEA: NRM (Debbie Sharp), PPRI and SAPPI (Wayne Lotter)