

Eradication response plan

This template has been designed to assist in planning an eradication response based on principles contained in the Early Intervention Handbook.

General weed information

Scientific name:	<input type="text"/>	Common name:	<input type="text"/>
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If weed is notifiable under <i>Landscape South Australia Act 2019</i> , who was notified?	<input type="text"/>
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Has a specimen been forwarded to the State Herbarium?	Yes	No
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Photo	<input type="text"/>
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Source:	<input type="text"/>
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Site information

Site address/ name:	<input type="text"/>
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Land use	<input type="text"/>	Contact person and mobile number	<input type="text"/>
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Project Easting	<input type="text"/>
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Project Northing	<input type="text"/>	Reference number	<input type="text"/>
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Zone reference	<input type="text"/>	Land manager	<input type="text"/>
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Landscape region	<input type="text"/>
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Project Approval

Project manager	<input type="text"/>	Position	<input type="text"/>
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Signature:	<input type="text"/>	Date	<input type="text"/>
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Project owner	<input type="text"/>	Position	<input type="text"/>
Signature:	<input type="text"/>	Date	<input type="text"/>

Infestation details

When was the infestation first noticed? (or how did you become aware of the infestation)

What is the pattern? (e.g. Isolated or scattered individual; scattered patches; dense continuous infestation)

What is the Area covered (e.g. Area of infestation, number of plants per hectare, total number of plants. (For percentage cover estimates see McNaught et al 2008))

What actions have been taken to date? (has any control been undertaken)

Attach a map

Weed details

(Include source information where possible)

Method of reproduction (e.g. seed, vegetative, suckering)

Seed longevity (e.g. seeds can remain dormant in the soil up to x years)

Bud bank longevity (e.g. bulbs, rhizomes etc.)

Time to sexual maturity (e.g. time from seedling to first seeds produced)

Time between flowering and seed set

Spread by (e.g. wind, water, garden dumping, humans, animals)

Propagule dispersal range

Growth calendar												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Detection												
Germination												
Flowering												
Seeding												
Ideal treatment												

Methods of control				
Method	Method detail	Situation	Timing	Comments
e.g. chemical control, mechanical control	List all possible treatments and consider all life stages and follow up treatments	e.g. a dense infestation, sensitive area (threatened species), along watercourse	(months)	(record observations on target response)
Biological				
Chemical*				
Mechanical control				

***Off-label permit required?** **Comments**

Yes No

Treatment budget	
Year range (i.e. 2022/23)	What are expenditure items for the treatment program?

Management zones		
Zone (e.g. A, B, C, or 1, 2, 3 etc.)	Area description (Actual location and/or situation)	Control method (Best method for that situation)

Group infestations according to the way they will be managed i.e. different densities, patterns and situations will require different approaches (e.g. scattered plants may undergo mechanical removal, biological control will be more appropriate for large dense infestations, infestations located within dense native vegetation will be sprayed using a knapsack sprayer on foot, an infestation within a pasture situation you could use a wick wiper or boom spray etc.).

Delimitation

How will the full extent of the infestation be determined? (e.g.) searching the area surrounding known infestations. Walking transect lines, vehicle based search.

Objectives (site specific)	
Year	(e.g.) Treat infestations, ensuring thorough control of all plants. Delimit infestation. Ensure vehicle hygiene is practiced for all vehicles. Establish and implement monitoring activities. Undertake follow up control. Monitor infestations and surrounding areas for any new plants. Undertake searches in neighbouring areas.

Movement control

(e.g.) restrict access to infested area and sign post appropriately. Ensure vehicle hygiene is practiced for all vehicles. Prevent livestock from accessing infestation. Avoid cutting hay etc.

Trace forward/trace back

Are there records that may help determine the origin of the weed? Does the timing of the weed arriving correspond with other activities e.g. hay or machinery import, contractors etc. Could seeds or material from this infestation have left your property in hay or on vehicles or machinery? Consider pathways for entry and spread of the weed.

Communications plan

How can reporting of further weed sites be encouraged? How can we gain support from neighbours or the community? Can I seek assistance from local Council, State Herbarium, Landscape Board or the Department of Primary Industries and Regions?

Hygiene requirements	
Site (e.g. avoid movement through infested site)	
Transport (e.g. wash down vehicles, machinery and equipment prior to entering and leaving site)	
Disposal (e.g. deep burial)	

Monitoring phase

Monitoring phase life span

(The length of the monitoring phase should be greater than the length of time the target species seeds and/or buds remain viable in the soil.)

Monitoring search method

(i.e. What search methods will be used and how?)

Monitoring area

(i.e. What is the size of the monitoring area?)

Optimum timing of monitoring

(i.e. The months of the year when the plant is most detectable)

Search frequency

(see Appendix 3)

Monitoring budget

(What are expenditure items for the monitoring/eradication assessment program?)

Economic feasibility

(Is there reasonable funding available to afford control and monitoring for the duration of time expected? Where will funding be sourced?)

Eradication assessment

(i.e. choose appropriate criteria from below that will be used to assess the progress towards eradication)

1. Time since target weed was last observed over time (in relation to bud bank or seed bank longevity)

Yes No

2. Monitoring costs vs cost of the target weed to the environment

Yes No

3. Trends in seedling numbers

Yes No

4. Reduction in infested area newly detected through searching

Yes No

5. Other (specify)

Yes No