

SOUTHERN FOREST REGION

DECLARED SPECIES MANUAL

FEBRUARY 1992

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INTRODUCTION

The purpose of this Manual is to provide a working document, from which District staff can plan and implement Declared Species control operations, in the Southern Forest Region. The Manual should be read in conjunction with Policy Statement No.14 "Weeds on CALM Land", which provides the strategies for control of Declared Species on CALM estate.

The Manual contains a range of information that will assist the District officer, assigned the role of Declared Species Control, to carry out this task. This information includes;

- Species classification
- Species description
- Species biology and control information
- Maps of species occurrence on CALM land
- A guide to APB liaison
- Reporting procedures and proforma's

Updates for the Manual will be provided as new species are declared, or located, in the Region. They may also be provided when the classification of a particular species is altered by the APB Regional Advisory Committee(RAC).

The Manual is also intended to reflect the species priority outlined in the APB Regional Operations Manual, and to identify any other species which we may wish to target for CALM's needs. By reflecting the APB priorities it is hoped that we may reduce criticism of CALM, which has stemmed from CALM appearing to have a different agenda to the APB.

As the Manual is intended to be useful to Districts, please forward any recommendations for improvements to the Region for consideration and inclusion in the updates.

SECTION 1

PRIORITY 1 - SPECIES FOR EXCLUSION

This section highlights species which are not established in Western Australia and are targeted for exclusion, so they do not become established.

These species pose a potential major environmental and economic threat to the State should they become established and urgent advice to the Agricultural Protection Board is necessary should you see these, or suspect you see them.

The information provided below does not cover the full range of species targeted for exclusion, rather it focuses on those which may occur in this region.

Species

1. Starling
2. European Wasp
3. Boneseed
4. Gorse
5. Aquatic Weeds- Parrot's Feather
 - Salvinia
 - Water Hyacinth

SECTION 2

PRIORITY 2 - SPECIES LISTED FOR ERADICATION

This section includes species limited in distribution and able to be eradicated on all lands in the region. These species have demonstrated their ability to cause severe economic loss in climatic conditions similar to the south west.

The overall objective is to prevent reproduction and hence cause eradication once seed banks are depleted.

Detailed species information and site maps are provided for known locations. Any new infestation located needs to be reported to the Agricultural Protection Board on the proforma (Attachment 1) with a detailed site map.

Species:

1. Cape Tulip
2. Paterson's Curse
3. Cotton Bush
4. Feral Goats

STRATEGY

SPECIE; Cape Tulip

AIM; Eradication

INSPECTION; Inspect in mid August, and again in late September.

TREATMENT; Spray with Glean as per recommendation sheet.
Ensure that the area within a 1 metre radius of individual plants is sprayed, so that cormal and seed growth is treated.

Do not hand pull plants. This doesn't kill the plant and can cause the bush to spread.

REPORTING; Notify the APB Manjimup Office of the number of plants found at each site after each inspection. Use the "Advice of Location of Declared Species" form to report.

STRATEGY

SPECIE; Paterson's Curse

AIM; Eradication

INSPECTION; Inspect in June, September and again in December.

TREATMENT; Hand pull all plants. Place any flowering plants in a sealed bag and incinerate.

REPORTING; Notify the APB Manjimup Office of the number of plants found at each site after each inspection. Use the "Advice of Location of Declared Species" form to report.

STRATEGY

SPECIE; Cotton Bush

AIM; Eradication

INSPECTION; Inspect in February, May and again in November.

TREATMENT; Hand pull all plants, place them in a sealed bag and incinerate.

Wear gloves and avoid contact with the white latex sap.

REPORTING; Notify the APB Manjimup Office of the number of plants found at each site after each inspection. Use the "Advice of Location of Declared Species" form to report.

STRATEGY

SPECIE; Feral Goats

AIM; To establish the number and range of feral goats in the Region.

To conduct a trial to ascertain the effectiveness of a "Judas Goat" programme, utilising aerial tracking, in the forest environment.

INSPECTION; Inspections should be conducted all year round, and immediately following reported sightings.

A programme outlining the ongoing commitments to the "Judas Goat" Trial will be developed between all parties concerned.

TREATMENT; This will range from free-feeding and trapping, to shooting depending on the logistics with each individual population.

The "Judas Goat" trial has focused on shooting as the preferred option for control, this may be amended during the trial as the results are available.

REPORTING; Notify the APB Manjimup Office whenever goats are sighted or reported to you. Use the "Advice of Location of Declared Species" form to report.

SECTION 3

PRIORITY 3 - SPECIES LISTED FOR ERADICATION ON CALM LAND

This section highlights species which are widely established in the region and to which high priority is given for control.

Detailed species information and maps are provided for the species which are of limited distribution on CALM land and for which eradication is thought possible.

Species:

1. Apple of Sodom
2. Arum Lily
3. Variegated Thistle

STRATEGY

SPECIE; Apple of Sodom

AIM; Eradication

INSPECTION; Inspect in October, and again in February.

TREATMENT; Spray with Amitrole as per recommendation sheet.

REPORTING; Supply a map of sites treated to APB Manjimup Office by June 30. Use the "Advice of Location of Declared Species" form to report.

STRATEGY

SPECIE; Arum Lily

AIM; Eradication

INSPECTION; Inspect in July, and again in October.

TREATMENT; Spray with Glean as per recommendation sheet.

REPORTING; Supply a map of sites treated to APB Manjimup Office by June 30. Use the "Advice of Location of Declared Species" form to report.

STRATEGY

SPECIE; Variegated Thistle

AIM; Eradication

INSPECTION; Inspect in June, and again in September.

TREATMENT; Hand pull all plants. Place any flowering plants in a sealed bag and incinerate.

REPORTING; Notify the APB Manjimup Office of the number of plants found at each site after each inspection. Use the "Advice of Location of Declared Species" form to report.

SECTION 4

PRIORITY 3 - SPECIES FOR CONTROL ONLY ON CALM LAND

This section highlights species which are widely established on CALM land and for which eradication is not felt to be a viable option. Control of these species will be carried out when they pose a problem to CALM or our neighbours. This will be managed by close liaison between CALM and the APB.

Species:

1. Blackberry
2. Dingo / Wild Dog *
3. Feral Pigs *
4. Fox
5. Rabbits

* Report sightings of these to your District Environmental Protection Officer.

STRATEGY

SPECIE; Blackberry

AIM; 100 metre buffer on CALM land bordering private properties. (See Policy 14 for further information.)

INSPECTION; Inspect boundaries of CALM land between December and March.

TREATMENT; Spray with Brushoff as per the recommendation sheet. Spray infestations every second year and monitor between times.

 Don't spray areas planned to be burnt within 18 months, since the chemical will require 12 months activity in the plant to be effective.

REPORTING; Supply a map of the sites treated to the APB Manjimup Office, by June 30. Use the "Advice of Location of Declared Species" form to report.

 The APB has details of all present infestations recorded on FMIS at their Manjimup Office. District staff should liaise with their local APB District Officer to establish their yearly priorities.

STRATEGY

SPECIE; Dingo / Wild Dog

AIM; In discussion between CALM and the APB it has been agreed that the best method of dog control is to try to establish a dog free buffer. This buffer will be treated annually.

The buffer will be established in an area approximately 15 km wide south of the Perup Fauna Priority Area, between Tone and Lake Muir. Calm will also bait around agricultural lands that have a history of dog attack. CALM will support control measures on private land by baiting the boundary of adjoining CALM land at the same time.

INSPECTION; The buffer areas require inspections every three months.

TREATMENT; 200 gm meat baits injected with 4.5 mg of 1080. Other methods of control will only be used where approval has been granted by the Executive Director of CALM.

Baiting will be conducted during March or April annually, although this may be reduced where inspections have demonstrated that there hasn't been any movement of animals back into the buffer area.

BAITS; Baits may be available from the APB bait factory at Forrestfield, or may be produced locally by APB Officers. You should contact your local APB District Officer to discuss the best options for obtaining baits.

COSTS; The approximate cost of baits will be;
Factory Baits.
\$0.50 per bait
Produced locally.
Meat \$ 1.00 per kg
Labour \$43.00 per 400 baits.

TRAINING CALM staff will require accreditation to handle 1080 baits, and should be familiar with the "CALM 1080 Guide-lines" which are included in Section 6 of this Manual.

REPORTING; Notify the APB, Manjimup Office using the "Advice of Location of Declared Species" form, following each three monthly inspection.

STRATEGY

SPECIE; Feral Pigs

AIM; To trap out all known pig sites annually.

INSPECTION; Inspect during the summer months for any sign of pig activity, and follow-up any reported infestations.

TREATMENT; Carry out trapping as per the APB Infonote on pig control.

REPORTING; Notify the APB, Manjimup Office of the infested areas using the "Advice of Location of Declared Species" form. Supply a map of the infested areas and trap sites, as well as details of the number of pigs captured, by June 30.

STRATEGY

- SPECIE; Fox
- AIM; To control foxes on the boundary of CALM land in support of control work being carried out by adjacent landowners.
- CALM may also undertake control work for the purpose of nature conservation in areas other than the private property boundaries in accordance with Policy 14.
- INSPECTION; Baiting on private property boundaries will be in response to damage reports from the APB, and will be arranged in conjunction with the APB.
- TREATMENT; 200 gm meat baits injected with 4.5 mg of 1080. Other methods of control will only be used where approval has been granted by the Executive Director of CALM.
- Baiting will be conducted during March or April annually, to ensure that there is no adverse effect on non-target species such as Chuditch.
- BAITS; Baits may be available from the APB bait factory at Forrestfield, or may be produced locally by APB Officers. You should contact your local APB District Officer to discuss the best options for obtaining baits.
- COSTS; The approximate cost of baits will be;
- Factory Baits.
 \$0.50 per bait
- Produced locally.
 Meat \$ 1.00 per kg
 Labour \$43.00 per 400 baits.
- TRAINING CALM staff will require accreditation to handle 1080 baits, and only staff who have been trained in bait handling and bait laying will be allowed to distribute baits. CALM staff should be familiar with the "CALM 1080 Guide-lines" which are included in Section 6 of this Manual.
- REPORTING; Notify the APB, Manjimup Office using the "Advice of Location of Declared Species" form, following each fox baiting operation.

STRATEGY

SPECIE; Rabbits

AIM; To treat infestations on boundaries with neighbours in response to damage reports.

INSPECTION; Inspect during the summer months. Follow-up reports on infestations, and damage reports with field inspections as required.

TREATMENT; As per APB Infonote on rabbit control.

REPORTING; Notify the APB Manjimup Office of the number of infestations treated, using the "Advice of Location of Declared Species" form. Provide a map with this report.

SECTION 5

OTHER SPECIES OF INTEREST ON CALM LAND

These species are limited in occurrence in forest areas and may be targeted once more information is available.

- Doublegee
- Bidgee Widgee
- Pampas Grass
- Wingless Grasshopper
- Plague Locust
- St. John's Wort

If you see these in small numbers grub them out and report where they were found to the District Environmental Protection Officer in your district. For larger infestations, assess the size of the infection and report, as above, with a detailed location map.

Regional Office
Brain Street
MANJIMUP WA 6258

District Officer
Agricultural Protection Board
Rose Street
MANJIMUP WA 6258

ADVICE OF LOCATION OF DECLARED SPECIES

An infestation of has been
located on CALM land at (description of site)

Attached is a detailed site map of this occurrence. We
have taken the following action

.....
Our copy of the Declared Species Manual has been updated
and this information is forwarded for your action and
retention.

Please contact at
for further information.

.....
for DISTRICT MANAGER

.... / /

Attach map.

APB Remarks:

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