

Crow Garlic - Statutory Weed Management Plan

Allium vineale L.

Interpretation:

In this Weed Management Plan (approved 30 August 2003)
(amendments approved 21 June 2011):

- "Act" means the *Weed Management Act 1999*.
- "Approved quarantine place" means a place approved by the Secretary under section 70 of the *Plant Quarantine Act 1997* for the purpose of examining any prescribed matter imported into or to be exported out of the State.
- "Court fine" means a prescribed penalty for breaches against the Act. Court fines may be imposed if a person is convicted of any offence against the Act.
- "DPIPWE" means the Department of Primary Industries, Parks, Water and Environment, Tasmania.
- "Infringement fine" means a prescribed penalty for breaches against the Act. Infringement fines are imposed by way of an infringement notice that may be issued by a Weed Inspector.
- "Inspector" means a Weed Inspector appointed under section 34 of the Act.
- "Penalty unit" means the basic unit of the fine for which persons who fail to comply with any prohibition or requirement under the Act may be liable. See [values of penalty units](#) under the *Penalty Units and Other Penalties Act 1987* for more details.
- "Quarantine Tasmania" means that branch of the Department of Primary Industries, Parks, Water and Environment that, in cooperation with the Australian Quarantine Inspection Service, maintains both overseas and interstate quarantine barriers for this State.
- "[Regional Weed Management Officer](#)" means a person employed in the Department of Primary Industries, Parks, Water and Environment under that specific title.
- "Regulations" means the *Weed Management Regulations 2007*.
- "Secretary" means the Secretary of the Department of Primary Industries, Parks, Water and Environment.
- "Zone A" includes those Tasmanian municipalities for which eradication of a declared weed is the principal management objective. These municipalities are either free of the declared weed, host only small, isolated infestations, or host larger infestations which are deemed eradicable because a strategic management plan exists and the resources required to implement it have been or are likely to be secured. See [Management of crow garlic by municipality](#) (Section 12) for details.
- "Zone B" includes those Tasmanian municipalities for which

containment of the declared weed is the principal management objective. Such municipalities host large, widespread infestations of the declared weed that are not deemed eradicable because the feasibility of effective management is low at this time. These municipalities lack a strategic management plan for the weed and/or resources to undertake control actions at a level required for eradication have not been secured. See [Management of crow garlic by municipality](#) (Section 12) for details.

- “Crow garlic” means *Allium vineale* L. and includes the whole plant or plant parts. It does not include products such as tablets, lotions, tinctures or other preparations that contain extracts of this plant or other dead, non-reproductive *Allium vineale* materials. People who are uncertain about whether products (e.g. dried materials) contain plant parts capable of producing a living plant should contact a [Regional Weed Management Officer](#).

1. Purpose of this management plan:

The purpose of this Weed Management Plan for crow garlic is to:

- Provide direction upon the implementation of the *Act* with respect to crow garlic.
- Encourage and facilitate an increase in the effectiveness with which crow garlic is managed throughout Tasmania with a view to eradicating existing infestations and preventing future occurrences.
- Provide legislative support to regional and local efforts to manage crow garlic in a strategic and integrated manner.

2. Area covered by this management plan:

The State of Tasmania is covered by this management plan.

3. Description and distribution of the weed:

Crow garlic is a perennial, bulbil-forming herb that usually grows to 30–60 cm high.

This plant can infest crops and pastures, causing agricultural products such as milk, meat and a variety of grains to take on a strong garlic taste and/or smell. It is a significant problem in a number of Australian mainland locations, most of which occur in Victoria. Smaller crow garlic infestations are recorded in Western Australia, South Australia and New South Wales.

The distribution of crow garlic in Tasmania is widespread at this time but in the form of localised infestations. It occurs as a weed of pastures, roadsides and neglected areas. Crow garlic is also noted occasionally in gardens as a culinary plant. Refer to [Management of crow garlic by](#)

[municipality](#) (Section 12) for information on the distribution of crow garlic by municipality.

See the DPIPWWE [Crow Garlic Information Page](#) for more information on this weed.

4. Importation of declared weed:

(1) A person must not import or allow to be imported into Tasmania any crow garlic.

It is an offence against section 57(1) of the Act to fail to comply with this prohibition. A person found committing that offence may incur an infringement fine of 4 penalty units. A person convicted in court of that offence may be liable to a fine not exceeding 50 penalty units.

The Secretary may exempt a person from this prohibition under section 60 of the Act.

To avoid committing this offence, actions including but not limited to the following should be undertaken:

- Persons travelling to Tasmania, in particular from areas infested with crow garlic, such as parts of Victoria, should conduct thorough searches for the presence of the plant and apply appropriate hygiene measures. These measures include clothing, vehicle, machinery and baggage inspection and cleaning. Questions or concerns about weed hygiene issues should be directed to Quarantine Tasmania personnel before or directly upon disembarkation in Tasmania.
- Persons importing items to Tasmania that may contain crow garlic should have these checked for the presence of the plant. This can be arranged through Quarantine Tasmania.

(2) Feed grain may be imported according to specifications in the Plant Quarantine Manual (Tasmania), Import Requirement 30 – Declared Weeds, Pests and Diseases in Feed Grain. This document establishes requirements for importing feed grain in order to minimise the risk of declared weed seed entry and establishment. Import Requirement 30 should be consulted by all existing and prospective feed grain importers.

(3) A person must not import any livestock that may be carrying crow garlic otherwise than in accordance with any measures prescribed under the Regulations.

It is an offence against section 57(3) of the Act to fail to comply with this prohibition. A person found committing this offence may incur an

infringement fine of 4 penalty units. A person convicted of that offence in court may be liable to a fine not exceeding 50 penalty units.

The Secretary may exempt a person from this prohibition under section 60 of the Act.

The prescribed measures for importing stock under regulation 5 of the Regulations are as follows:

- a) the length of hairs in the coat is not to exceed 25 mm;
- b) seeds are not to adhere to the coat or anywhere else on the livestock;
- c) a permit for importation is obtained from the Secretary, DPIPW;E;
- d) importation is direct to an approved facility for slaughter.

To avoid committing this offence, actions including but not limited to the following should be undertaken:

- Persons importing livestock to Tasmania should liaise with suppliers on the subject of possible crow garlic contamination of stock.
- Persons purchasing livestock imported from areas infested with crow garlic should ensure their animals are confined to holding pens until they have undergone thorough external inspections. Pens should be checked subsequently for the emergence of crow garlic.
- Anyone importing stock to Tasmania should make him/herself familiar with regulation 5 of the Regulations.

Note: The importation of this species into Tasmania is also restricted under the *Plant Quarantine Act 1997*. Quarantine Tasmania should be contacted for information on the relevance and application of the *Plant Quarantine Act 1997* to activities concerning plant species.

5. Procedures for notification of the occurrence of the weed:

Inspectors shall notify a [Regional Weed Management Officer](#) of any crow garlic occurrences in municipalities or parts of municipalities where the weed is not yet recorded. Refer to [Management of crow garlic by municipality](#) (Section 12) for distribution of crow garlic in Tasmania by municipality.

6. Sale, purchase, propagation, use, &c., of declared weed:

(1) A person must not:

(a) sell crow garlic or any material or thing containing or carrying crow garlic; or

(b) purchase or offer to purchase crow garlic or any material or thing containing or carrying crow garlic; or

(c) grow, propagate or scatter crow garlic; or

(d) store crow garlic or any material or thing containing or carrying crow garlic; or

(e) hire or offer for hire any material or thing containing or carrying crow garlic; or

(f) use crow garlic or any material or thing containing or carrying crow garlic; or

(g) deal with crow garlic or any material or thing containing or carrying crow garlic in any manner that is likely to result in the spread of the declared weed.

It is an offence against section 56(1) of the Act to fail to comply with this prohibition. A person found committing that offence may incur an infringement fine of 4 penalty units. A person convicted of that offence in court may be liable to a fine not exceeding 50 penalty units.

The Secretary may exempt a person from this prohibition under section 60 of the Act.

To avoid committing this offence, actions including but not limited to the following should be undertaken:

- Persons giving away, bartering or selling, purchasing, growing, propagating or scattering, storing, using, or otherwise dealing with agricultural produce (e.g. seed, feed grain) likely to be contaminated with crow garlic should ensure that these items are free of this plant by undertaking appropriate production hygiene and inspection measures. These include practicing integrated crow garlic control in or around pastures or crops likely to be harvested for sale or distribution, careful inspection of the product prior to sale or distribution and forgoing the sale and distribution of produce grown in areas where crow garlic control has not been undertaken successfully.

- Persons involved in the giving away, bartering or selling, purchasing, storing, hiring, using, or otherwise dealing with agricultural or roading machinery likely to be contaminated with crow garlic should ensure that this equipment is free of this plant by undertaking appropriate inspection and hygiene measures. These include introducing thorough visual checks and cleaning of machinery as routine tasks when preparing these items for sale or distribution.
- Persons involved in the giving away, bartering or selling, purchasing, storing, hiring, using, or otherwise dealing with livestock that may be carrying crow garlic should ensure appropriate hygiene measures are undertaken to prevent spread of this plant. These include cleaning stock externally prior to transport from infested properties.
- Persons involved in the giving away, bartering or selling, purchasing, storing, using, or otherwise dealing with soil, gravel, lime or other such materials from areas infested with crow garlic should seek alternative stock sources unless they can guarantee these materials are free of this plant.
- Persons involved in the giving away, bartering or selling, purchasing, growing, propagating or scattering, storing, hiring, using, or otherwise dealing with agricultural produce or agricultural or roading machinery, stock, soil, gravel or other such materials likely to be contaminated with crow garlic should take direction from any relevant local, regional or State hygiene programs being implemented in the municipality.
- Persons purchasing or hiring any items (e.g. machinery, livestock, soil, gravel or other such materials) likely to be contaminated with crow garlic should liaise with suppliers for guarantees of crow garlic free goods and materials and keep accurate records of their purchase transactions. Buyers discovering crow garlic contamination post-purchase should implement practices that reduce the potential for the establishment and spread of this plant. These include, creating dedicated areas for the wash down of purchased machinery and vehicles, penning suspect stock for external inspection and carefully monitoring any suspect soil, gravel or other such materials for the emergence of this weed.

(2) Section 56(1) of the Act does not apply in respect of feed grain for animals that is:

(a) carrying a declared weed; and

(b) imported into Tasmania in accordance with any measures prescribed for the purpose of section 57(2) of the Act and as detailed in part 4(2) of this Management Plan.

(3) It is a defence in proceedings for an offence under section 56(1) of the Act if the defendant establishes that he or

she took all reasonable actions to prevent the commission of the offence.

7. Measures to reduce the number of crow garlic plants, eradicate crow garlic from an area or restrict crow garlic to a particular area:

An Inspector may, by serving a notice on the owner of any place, require that owner to implement any of the measures described in this part of the Weed Management Plan or any other measures consistent with it.

It is an offence against section 13(3) of the Act to fail to comply with a requirement notice issued by an Inspector. A person who fails to comply with that notice may be issued with an infringement fine of 8 penalty units. A person convicted of that offence in court may be liable to a fine not exceeding 100 penalty units and, in the case of a continuing offence, a further fine not exceeding 5 penalty units for each day during which the offence continues.

Persons or organisations upon whose properties crow garlic occurs should undertake the following:

- Planning and implementation of an integrated control plan, the aim of which is eradication of crow garlic. Such a plan should include an inventory of crow garlic infestations in the area to which the plan relates, well-defined objectives, practicable control actions, follow-up actions, a realistic timeline and a budget, as a minimum. [Regional Weed Management Officers](#) or Inspectors may be contacted for advice on developing integrated control plans.
- Seek information about supporting any council endorsed plans relating to crow garlic management in their municipality.
- Seek cooperation with neighbouring property owners when crow garlic control measures are being planned or implemented.

Other general measures:

- Persons or organisations responsible for managing land that is currently free crow garlic should undertake prevention measures. Such prevention measures include:
 - Developing an ability to identify the plant;
 - Noting its occurrence and progress on nearby properties or transport corridors;
 - Undertaking control of small outbreaks without delay;
 - Arranging on-site quarantine for, or not bringing or allowing onto the property livestock, vehicles, machinery, soil, gravel, lime or other such material that may be contaminated with crow garlic.

A [Regional Weed Management Officer](#) may be contacted for advice on keeping areas free of crow garlic.

- Persons performing contract work of an agricultural, utility maintenance, roading or earthmoving nature, on-site consultations or assessments, deliveries or other visits in areas or properties where crow garlic occurs should undertake appropriate hygiene measures. These include thorough visual checks upon clothing, footwear, vehicles and machinery and, cleaning of the same, prior to leaving the infested property. Developing a check-list will help ensure such routines are rigorous and consistent. Materials or items likely to be contaminated with crow garlic should not be moved from crow garlic infested areas or to crow garlic free areas until any contamination risks have been minimised.
- Persons wishing to dispose of crow garlic or any thing contaminated with crow garlic should contact an Inspector or a [Regional Weed Management Officer](#) first, in order to receive direction upon how best to do this. Note that municipal waste disposal facilities vary in their acceptance and handling of declared weeds. Municipal waste disposal managers should be contacted for details.
- Persons wishing to transport crow garlic or any thing contaminated with crow garlic, for the purpose of disposal, should ensure this is undertaken in a manner that does not permit the release of seeds or other material. Measures include securing material in bags or under tarpaulins prior to transport, checking material at regular intervals during long journeys and adequately cleaning vehicles after the materials have been unloaded.

8. Storage in a specified area of any thing contaminated with the declared weed:

Any thing found to be contaminated with crow garlic may be removed to storage at an appropriate quarantine approved place. A [Regional Weed Management Officer](#) will determine whether removal to storage at any of these facilities or treatment/destruction of material *in situ* is most appropriate.

Failure to comply with this requirement is an offence against section 51(1) of the Act. A person found committing that offence may incur an infringement fine of 4 penalty units. A person convicted of that offence in court may be liable to a fine not exceeding 50 penalty units.

The Secretary may exempt a person from this requirement under section 60 of the Act.

To avoid committing this offence, actions including but not limited to the following should be undertaken:

- A person who discovers or suspects he/she possesses any thing, (e.g. livestock, machinery, soil, gravel) contaminated with crow garlic should contact an Inspector or a [Regional Weed Management Officer](#). The contaminated thing should not be moved, disturbed, treated or disposed of prior to making this contact. If crow garlic is confirmed, the person will be directed and advised in the proper management, including storage or disposal options, of the contaminated thing.

9. Any other measures the Minister considers appropriate to control the weed:

There are no other measures appropriate for the management of crow garlic in Tasmania at this time.

10. Exemptions:

A person may apply for an exemption from any of provisions of the *Act* that relate to crow garlic. He/she should contact a [Regional Weed Management Officer](#) to discuss the reasons for seeking the exemption and obtain an exemption application form.

Persons granted an exemption should ensure they understand fully, any conditions specified in the exemption. Queries can be directed to a [Regional Weed Management Officer](#).

11. Review of this Weed Management Plan:

A review of this Weed Management Plan may be undertaken at least once every five years if it is necessary and desirable to do so. The review will incorporate consultation with stakeholders deemed appropriate by the Secretary, DPIIPWE.

12. Management of crow garlic by municipality:

Each Tasmanian municipality is classified into one of two management zones (Zones A or B) for the purposes of implementing this Weed Management Plan for crow garlic.

Zone A Municipalities - eradication: Eradication is the most appropriate management objective for Zone A municipalities which have little or no crow garlic, or when a credible plan for eradicating existing infestations is being developed and implemented. The ultimate management outcome for Zone A municipalities is achieving and

maintaining the total absence of crow garlic from within municipal boundaries.

Zone B municipalities - containment: Containment is the most appropriate management objective for Zone B municipalities which have problematic infestations but no plan and/or resources to undertake control actions at a level required for eradication. The management outcome for Zone B municipalities is ongoing prevention of the spread of crow garlic from existing infestations to areas free or in the process of becoming free of crow garlic.

The decision regarding which category is most appropriate for a particular municipality at a particular time is made jointly by DPIPW and each municipality. Municipalities may change categories over time. For example, a Zone B municipality may decide to develop and implement a strategic plan for crow garlic, with eradication as the objective. Provided the plan is credible, this municipality would qualify for inclusion in Zone A. Conversely, a Zone A municipality with widespread infestations may decide to stop supporting a strategic plan for crow garlic eradication, in which case it would be re-classified as Zone B.

Table 1 lists the distribution and management measures for crow garlic in Tasmanian municipalities currently classified as Zone A for crow garlic. Note that all municipalities are currently classed as Zone A for crow garlic.

Table 1. Distribution and management measures for crow garlic in municipalities classified as Zone A at 01/2011.

Distribution based on Tasmanian Herbarium and DPIPW records.

Municipality	Crow garlic distribution	Management measures*
Break O'Day	None recorded	Prevention and early detection
Brighton	None recorded	Prevention and early detection
Burnie	None recorded	Prevention and early detection
Central Coast	None recorded	Prevention and early detection
Central Highlands	None recorded	Prevention and early detection
Circular Head	None recorded	Prevention and early detection
Clarence	Isolated occurrences	Implement integrated control program for eradication and prevent future occurrences
Derwent Valley	None recorded	Prevention and early detection
Devonport	None recorded	Prevention and early detection

Dorset	None recorded	Prevention and early detection
Flinders	None recorded	Prevention and early detection
George Town	None recorded	Prevention and early detection
Glamorgan/Spring Bay	None recorded	Prevention and early detection
Glenorchy	None recorded	Prevention and early detection
Hobart	None recorded	Prevention and early detection
Huon Valley	None recorded	Prevention and early detection
Kentish	None recorded	Prevention and early detection
King Island	None recorded	Prevention and early detection
Kingborough	None recorded	Prevention and early detection
Latrobe	None recorded	Prevention and early detection
Launceston	Isolated occurrences	Implement integrated control program for eradication and prevent future occurrences
Meander Valley	None recorded	Prevention and early detection
Northern Midlands	None recorded	Prevention and early detection
Sorell	Isolated occurrences	Implement integrated control program for eradication and prevent future occurrences
Southern Midlands	None recorded	Prevention and early detection
Tasman	None recorded	Prevention and early detection
Waratah/Wynyard	None recorded	Prevention and early detection
West Coast	None recorded	Prevention and early detection
West Tamar	None recorded	Prevention and early detection

*When a DPIPWE approved weed management strategy that has local council endorsement exists, management of this declared weed in the municipality concerned should occur with direct reference to that strategy.

The following distribution category is used in Table 1:

“None recorded”. This means the plant is not known to be naturalised in the municipality, either from the records of the Tasmanian Herbarium or from DPIPWE databases. In cases where the plant was known to be naturalised at a previous time but is not known there currently, the description “Previously recorded, none known now” is used.

“Isolated occurrences”. This means the species is uncommon in the municipality, with populations limited to one or a few. The number of plants is generally small and/or populations cover small areas.

“Localised infestations”. This means the species is present in the municipality in moderate proportions, with populations numbering several. The number of plants is also moderate and/or populations cover moderate-sized areas.

“Widespread infestations”. This means the species is very common in the municipality, with many populations present. The number of plants present is generally large and/or populations cover large areas.

Note that the distribution descriptions presented in Table 1 apply to naturalised populations of the plant only. They do not include amenity, garden, horticultural or other deliberate plantings unless specified. The descriptions are relative and provide a general indication only of the spatial status of the plant in the municipality. Detailed location information may be obtained by contacting a [Regional Weed Management Officer](#). In addition, if you have reason to believe any of the distribution information presented in Table 1 is incorrect, please advise a Regional Weed Management Officer.