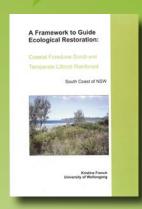
Section 7

Further information







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Declaration status of WoNS asparagus weeds in Australia

Entry into Australia of the WoNS asparagus weeds is prohibited. These species are declared weeds in some states or territories and may be restricted from sale and/or require control. Asparagus weed control work that potentially impacts on native vegetation may also be regulated by legislation (see Safety section page 112).

It is still legal to trade many *Asparagus* species in some jurisdictions, and specimens are sold in markets or traded among gardeners.

Legislation and declaration status of asparagus weeds in all states and territories is summarised in Table 1.

Table 1. Summary of current legislation status for asparagus weeds as at 2013

	Relevant legislation	Asparagus aethiopicus	Asparagus africanus	Asparagus asparagoides
ACT	Pest Plants and Animals Act 2005	Not declared	Not declared	Must not be sold or traded
NSW	Noxious Weeds Act 1993	The growth of the plant must be managed in a manner that reduces its numbers spread and incidence and continuously inhibits its reproduction and the plant must not be sold propagated or knowingly distributed (14 Local Government Areas)	Not declared	The plant must not be sold, propagated or knowingly distributed (state wide) The growth of the plant must be managed in a manner that reduces its numbers spread and incidence and continuously inhibits its reproduction and the plant must not be sold, propagated or knowingly distributed (11 Local Government Areas)
NT	Weeds Management Act 2001	Not declared	Not declared	To be eradicated and not to be introduced.
QLD	Land Protection (Pest and Stock Route Management) Act 2002	May not be sold or supplied May require landholder removal if adjacent to environmentally significant areas	May not be sold or supplied May require landholder removal if adjacent to environmentally significant areas	May not be introduced, kept or supplied Subject to eradication Landowners required to control
SA	Natural Resource Management Act 2004	Not declared	Not declared	Movement and sale prohibited Landholders are required to control
TAS	Weed Management Act 1999	Not declared	Not declared	Importation, movement and sale prohibited Landholders may be required to control Zone A municipalities required to eradicate
	Plant Quarantine Act 1997	Not declared	Not declared	The importation of this species into Tasmania is restricted
VIC	Catchment and Land Protection Act 1994	Not declared	Not declared	Trade in these weeds and their propagules, either as plants, seeds or contaminants in other materials is prohibited
WA	Agricultural and Related Resources Protection Act 1976 Biosecurity and Agriculture Management Act 2007	Not declared	Not declared	Introduction of the plant into, or movement of the plant within, an area is prohibited (state wide)

Table 1 continued

	Relevant legislation	Asparagus declinatus	Asparagus plumosus	Asparagus scandens
ACT	Pest Plants and Animals Act 2005	Not declared	Not declared	Not declared
NSW	Noxious Weeds Act 1993	Not declared	The growth of the plant must be managed in a manner that reduces its numbers, spread and incidence and continuously inhibits its reproduction and the plant must not be sold, propagated or knowingly distributed (13 Local Government Areas)	Not declared
NT	Weeds Management Act 2001	Not declared	Not declared	Not declared
QLD	Land Protection (Pest and Stock Route Management) Act 2002	Not declared	May not be sold or supplied May require landholder removal if adjacent to environmentally significant areas	Not declared
SA	Natural Resource Management Act 2004	Movement and sale prohibited Landholders required to control	Not declared	Not declared
TAS	Weed Management Act 1999	Not declared	Not declared	Importation, movement and sale prohibited Landholders may be required to control Zone A municipalities required to eradicate.
	Plant Quarantine Act 1997	Not declared	Not declared	The importation of this species into Tasmania is restricted
VIC	Catchment and Land Protection Act 1994	Not declared	Not declared	Not declared
WA	Agricultural and Related Resources Protection Act 1976 Biosecurity and Agriculture Management Act 2007	Not declared	Not declared	Not declared

Table 2. Threatened species legislation relevant to asparagus weeds

	Relevant legislation	Relevant Key Threatening Process
Commonwealth	Environment Protection and Biodiversity Conservation Act 1999	Loss and degradation of native plant and animal habitat by invasion of escaped garden plants, including aquatic plants
NSW	Threatened Species Conservation Act 1995	Invasion and establishment of exotic vines and scramblers (in Schedule 3 of the Act) Loss and degradation of native plant and animal habitat by invasion of escaped garden plants, including aquatic plants (in Schedule 3 of the Act)
VIC	Flora and Fauna Guarantee Act 1988	Invasion of native vegetation by 'environmental weeds'

Safety, native vegetation and cultural heritage information

Safety

All weed control activities involve risk, so personal safety must be prioritised. Regulations regarding the safe use of herbicides and machinery must be followed and personal protective equipment such as gloves, respiratory equipment, eye and ear protection should be worn as appropriate. Training may also be required for handling herbicides and operating machinery.

New Commonwealth Occupational Health and Safety (OH&S) legislation, regulations and codes of practice were introduced in 2011. The ACT, NSW, Queensland and Northern Territory harmonised their Work Health and Safety (WHS) laws with the Commonwealth in 2012. Other states have updated their own workplace safety structures accordingly.

In some states, areas where restoration work is carried out are classified work places. Here, participating volunteers are classified as workers subject to the same health and safety regulations as managing agency employees. Guidance, information and fact sheets for working with volunteers are available from Safe Work Australia at www.safeworkaustralia.gov.au, and relevant authority websites in each state.

A risk management tool called *Running the Risk?* is available from Volunteering Australia at www. volunteeringaustralia.org. Contact your local council or natural resource management agency for more information about safety and weed management.

Protection of native vegetation and threatened species

Restoration works can impact on native vegetation and threatened species. This includes herbs and grasses as well as trees and shrubs. Before commencing works, familiarity with relevant legislation governing weed control activities in your state is essential. Working near threatened species, impacting threatened species or propagating threatened species may require a permit.

Contact natural resource management officers or local government authorities for advice before commencing any weed control activities. They will provide advice on state and federal legislation, as well as any local laws governing weed control activities in natural areas or near waterways. The following tables outline main federal and state agency contacts.

Rare or threatened species and vegetation of conservation significance should be identified in your asparagus weeds management plan (see Section 2 – Planning and Pre-control Considerations).



Asparagus aethiopicus fruits and foliage

 Table 3. Native vegetation and threatened species contacts

	Native vegetation contacts	Threatened species contacts
ACT	Department of Territory and Municipal Services 132 281 www.tams.act.gov.au/parks-recreation/plants_and_animals Nature Conservation Act 1980	Department of Territory and Municipal Services 132 281 www.tams.act.gov.au/parks-recreation/plants_and_animals Nature Conservation Act 1980
NSW	Office of Environment and Heritage 131 555 www.environment.nsw.gov.au/vegetation The Native Vegetation Act 2003 Native Vegetation Regulation 2005	Office of Environment and Heritage 131 555 www.environment.nsw.gov.au/threatenedspecies Threatened Species Conservation Act 1995
NT	Department of Land Resource Management (08) 8995 5001 www.lrm.nt.gov.au/natveg Planning Act 2009 Pastoral Lands Act 1992	Department of Land Resource Management (08) 8995 5001 www.lrm.nt.gov.au/corporate/contacts Territory Parks and Wildlife Conservation Act 2000
QLD	Department of Natural Resources and Mines Phone numbers for each region at: www.nrm.qld.gov.au/ vegetation/bioregions.html Vegetation Management Framework Amendment Bill 2013 (pending)	Department of Environment and Heritage Protection 137 468 www.ehp.qld.gov.au/wildlife/threatened-species/endangered/index.html Nature Conservation Act 1992 (NCA) Nature Conservation (Wildlife) Regulation 2006
SA	Department of Water, Land and Natural Resources (08) 8204 1910 www.environment.sa.gov.au/Conservation/Native_vegetation Native Vegetation Act 1991 Native Vegetation Regulations 2003	Department of Water, Land and Natural Resources (08) 8204 1910 www.environment.sa.gov.au/Plants_Animals/Threatened_species_ ecological_communities South Australia's National Parks and Wildlife Act 1972
TAS	Department of Primary Industries, Parks, Water and Environment 1300 368 550 or (03) 6233 3295 www.dpiw.tas.gov.au/inter.nsf/themenodes/bhan-54746e?open Forest Practices Act 1985 Land Use Planning and Approvals Act 1993	Department of Primary Industries, Parks, Water and Environment 1300 368 550 or (03) 6233 8759 www.dpiw.tas.gov.au/inter.nsf/ThemeNodes/RLIG-53KUPV?open Threatened Species Protection Act 1995
VIC	Department of Environment and Primary Industries 136 186 www.dse.vic.gov.au/land-management/land/native-vegetation-home Catchment and Land Protection Act 1994	Department of Environment and Primary Industries 136 186 www.dse.vic.gov.au/plants-and-animals/native-plants-and-animals/ threatened-species-and-communities The Flora and Fauna Guarantee Act 1988
WA	Department of Parks and Wildlife (08) 6467 5000 www.dec.wa.gov.au/management-and-protection/plants/ native-vegetation.html Environmental Protection Act 1986	Department of Parks and Wildlife (08) 9334 0455 www.dec.wa.gov.au/management-and-protection/threatened-species.html Wildlife Conservation Act 1950
Federal	Department of Sustainability, Environment, Water, Population and Communities (02) 6274 1111 www.environment.gov.au/land/vegetation/index.html Environment Protection and Biodiversity Conservation Act 1999	Department of Sustainability, Environment, Water, Population and Communities (02) 6274 1111 www.environment.gov.au/biodiversity/threatened Environment Protection and Biodiversity Conservation Act 1999

Cultural heritage

Before beginning restoration work in areas that may hold cultural significance, it is appropriate and respectful to assess all issues. Some states and territories require this. Contact your local government or natural resource management authority for information about appropriate procedures. Copies of the laws summarised in Table 4 are available online from Australasian Legal Information Institute at www.austlii.edu.au.

The Australian Heritage Database contains information for over 20,000 natural, historic and indigenous places. Searching by local government area provides a list of heritage places in each locality. The database is accessible online from Department of Sustainability, Environment, Water, Population and Communities at www.environment. gov.au/heritage/ahdb. It should be noted that this is not be a comprehensive register of culturally significant places.

Previously unknown sites of Indigenous cultural significance are frequently revealed during the course of on-ground works. A useful introduction to identification, consultation and management

of new sites titled *Ask First: A guide to respecting Indigenous heritage places and values* is available online from the Australian Heritage Council www. environment.gov.au/heritage/ahc/publications/commission/books/ask-first.html.

A guide for protecting and conserving Aboriginal landscapes called *Bushcare With Care Guide* is available online from Sydney Metropolitan Catchment Management Authority at http://sydney.cma.nsw.gov.au/content/view/68/32/.

Natural resource management officers can help with questions about Aboriginal heritage. State, territory and regional contacts are available online from Caring for our Country at www.nrm.gov.au and search for 'contacts'.

Most states and territories maintain Indigenous heritage site registers. Because of the sensitive and vulnerable nature of many sites, access to some information may be restricted and require an application process. As well as accessing information, it is equally important to report previously unknown sites for entry into the databases. For more information, contact the government agency responsible for managing each register.

Table 4. Cultural heritage legislation and information

	Act	Register and managing agency	Website
ACT	Heritage Act 2004 Heritage Objects Act 1991	Heritage Register Environment and Sustainable Development Directorate	www.environment.act.gov.au/ heritage/heritage_register
NSW	Heritage Act 1977 National Parks and Wildlife Amendment (Aboriginal Ownership) Act 1996	State Heritage Register Office of Environment and Heritage	www.environment.nsw.gov.au/ heritageapp/heritagesearch.aspx
NT	Aboriginal Sacred Sites Act 1989 Heritage Conservation Act 1991	Register of Sacred Sites Aboriginal Areas Protection Authority	www.aapant.org.au/
QLD	Aboriginal Cultural Heritage Act 2003 Torres Strait Islander Cultural Heritage Act 2003 Queensland Heritage Act 1992	Aboriginal and Torres Strait Islander Cultural Heritage Register Department of Aboriginal and Torres Strait Islander and Multicultural Affairs	www.datsima.qld.gov.au/atsis/ aboriginal-torres-strait-islander- peoples/indigenous-cultural-heritage
SA	Aboriginal Heritage Act 1988 Heritage Act 1994	Heritage Sites Database Department of Planning, Transport and Infrastructure	www.planning.sa.gov.au/go/ heritagesearch
TAS	Aboriginal Relics Act 1975 Historic Cultural Heritage Act 1995	Tasmanian Aboriginal Site Index Department of Primary Industries, Parks, Water and Environment	http://www.aboriginalheritage.tas. gov.au/tasmanian-aboriginal-site- index-(tasi)
VIC	Aboriginal Heritage Act 2006 Heritage Act 1994	Victorian Aboriginal Heritage Register Department of Planning and Community Development	www.dpcd.vic.gov.au/heritage/ victorian-heritage-register/Victorian- aboriginal-heritage-register
WA	Aboriginal Heritage Act 1972 Heritage of Western Australia Act 1990	Register of Aboriginal Sites Department of Indigenous Affairs	www.dia.wa.gov.au/en/Site-Search/ Register-of-Aboriginal-sites/
Federal	Aboriginal and Torres Strait Islander Herita Environment Protection and Biodiversity C Australian Heritage Commission Act 1975		

Further information and contacts

Information for volunteers

Incorporating a volunteer group is a straightforward and inexpensive process that is highly recommended. Incorporation is required for

government grants and funding applications. An alternative is for your group to join a large organisation that acts as an *umbrella body*. Regional Landcare groups often have multiple member groups covered by their incorporation and provide funds management and insurance cover. Information for setting up and running a volunteer group is summarised in Table 5.

Table 5. Selected funding, organisational and training resources for volunteer groups

Entity	Information	Website
Australian Association of Bush Regenerators	Bushcare Volunteer Training and Professional Support materials — VCN Manual 2012 and 'Bushcare Booster' Training Modules	www.aabr.org.au/index.php?option=com_ content&view=article&id=51:vcn
Caring for our Country	Funding; natural resource management facilitators and contacts	www.nrm.gov.au
Central Coast (NSW) Community Environment Networks	Workshops and events	www.cen.org.au
Coastcare	Community coast care groups	www.coastcare.com.au
Conservation Volunteers	Volunteer recruitment for environmental and wildlife conservation projects	www.conservationvolunteers.com.au
Dept. of Sustainability, Environment, Water, Population and Communities	Government grants	www.environment.gov.au/biodiversity/invasive/ weeds/government/index.html
Greening Australia	Vegetation management and community engagement	www.greeningaustralia.org.au
Landcare Australia	Community land care groups	www.landcareonline.com.au
Landcare Tasmania	Volunteer recruitment, training, incorporation and insurance	www.landcaretas.org.au
Natural Resource Management knowledge online	Digital online archive for information about natural resource management activities	nrmonline.nrm.gov.au/
National Volunteer Skills Centre	Skills, training and education resources for volunteers, managers of volunteers, trainers and not-for-profit organisations	www.volunteeringaustralia.org/Skills-and- Training/-For-volunteers/Skills-and-training-for- volunteers.asp
School of Volunteer Management	Volunteer management education and training activities	www.svm.edu.au
Training.gov.au (TGA)	Vocational education and training in Australia; formerly The National Training Information Service and Australian National Training Authority	training.gov.au/
Victorian Landcare Gateway	Volunteer recruitment, training, incorporation and insurance	www.landcarevic.net.au/
Volunteering Australia	Nationally recognised qualifications, training resources and materials for volunteers and volunteer managers	www.volunteeringaustralia.org/Skills-and- Training/-Training-skills-resources.asp
Volunteering WA	Useful range of volunteering resources	www.volunteeringwa.org.au/resources.aspx

There are many funding opportunities for weed management. These may be included in applications that have wider scope than just weeding activities, such as projects for restoration of native vegetation. Grants are available from federal and state government sources, catchment management authorities, natural resource management boards, local councils and non-government organisations. Information about federal government grants is available from Department of Sustainability, Environment, Water, Population and Communities (see Table 6).



As you begin planning, consult with:

- the land manager of your site,
- local council, and
- catchment management or natural resource management board officer. A well prepared management plan will not only make filling out funding applications a straightforward task, but also increase your chances of success (see Section 2 – Planning and Precontrol Considerations).

Useful contacts and resources

Table 6. Where to find further information, contacts and weed management resources

	Organisation	Website	Information available
	Weeds Australia	www.weeds.org.au/WoNS www.weeds.org.au/WoNS/asparagusweeds	Weed identification Funding Legislation Contacts and web links
	Department of Agriculture, Fisheries and Forestry	www.daff.gov.au www.aqis.gov.au/icon32/asp/ex_querycontent. asp	Web links Funding National Biosecurity Import conditions database (icon)
NATIONAL	Department of Sustainability, Environment, Water, Population and Communities	www.environment.gov.au/biodiversity/invasive www.environment.gov.au/epbc/protect www.environment.gov.au/heritage	Threatened species legislation Heritage Weed identification Funding opportunities
NATIC	Australian Association of Bush Regenerators	www.aabr.org.au	Bush regeneration
	Australian Pesticides and Veterinary Medicines Authority	www.apvma.gov.au www.apvma.gov.au/permits/search.php services.apvma.gov.au/PubcrisWebClient/ welcome.do	Herbicide permits, labels and registrations Safe herbicide use
	ChemCert Australia	www.chemcert.com.au	Chemical handling, training and certification
	Smart Train	www.smarttrain.com.au	Herbicide training and manuals
	Safe Work Australia	www.safeworkaustralia.gov.au	OH&S
	Drum Muster	www.drummuster.com.au	Recycling chemical containers
ACT	Environment and Sustainable Development Directorate	www.environment.act.gov.au/environment	Weed control Natural resource management Environmental protection

	Organisation	Website	Information available
16	Department of Primary Industries (Biosecurity NSW)	www.dpi.nsw.gov.au www.dpi.nsw.gov.au/data/assets/pdf_ file/0017/123317/Noxious-and-environmental- weed-control-handbook.pdf www.dpi.nsw.gov.au/agriculture/pests-weeds/ weeds www.dpi.nsw.gov.au/biosecurity	Weed management Noxious weeds Funding opportunities Legislation Education and awareness Weed control handbook Biosecurity
NEW SOUTH WALES	Office of Environment and Heritage, NSW National Parks and Wildlife Service	www.environment.nsw.gov.au/ www.nationalparks.nsw.gov.au www.environment.nsw.gov.au/cpp/ ConservationPartners.htm www.environment.nsw.gov.au/epa	Bitou bush management and monitoring manual Weed management for biodiveristy Threatened species legislation Conservation partnerships program Cultural awareness Environment Protection Authority
	Catchment Management Authorities (Local Land Services)	www.cma.nsw.gov.au	NSW CMAs Regional community support officers Regional weed plans
	Pittwater EcoWarriors	www.youtube.com/watch?v=105jsllbk4l	Videos on use of splatter gun and A. aethiopicus management
K	Department of Land Resource Management	www.lrm.nt.gov.au/	Weed management Natural resource management
	Queensland Department of Agriculture, Fisheries and Forestry (Biosecurity Queensland)	www.daff.qld.gov.au/4690_8331.htm	Control methods Declared plants legislation Biosecurity
AND	SEQ Fire and Biodiversity Consortium	www.fireandbiodiversity.org.au	Fire management for biodiversity
QUEENSLAND	Advancing Rural Queensland	www.agforceqld.org.au	Land management chemical accreditation
QUE	Qld Regional NRM Groups Collective	www.rgc.org.au	Natural resource management
	Weeds of Southern Queensland HD — The Weed Society of Queensland	itunes.apple.com/au/app/weeds-southern- queensland/id597804971?mt=8 www.wsq.org.au	iTunes app for weed identification and control methods
TRALIA	Natural Resources Management	www.nrm.sa.gov.au	Natural resource management Weed control advice Legislation Community grants
SOUTH AUSTRALIA	Primary Industries and Regions SA (PIRSA)	www.pir.sa.gov.au www.pir.sa.gov.au/biosecuritysa/nrm_ biosecurity/weeds	Legislation Biosecurity and Policy
	Adelaide and Mount Lofty Ranges NRM Board	www.youtube.com/watch?v=105jsllbk4l www.amlrnrm.sa.gov.au/	Video on how to control bridal creeper
VICTORIA	Department of Environment and Primary Industry	www.depi.vic.gov.au/	Noxious weeds Chemical use Biological control Legislation Catchment management
	Weeds of Murrindindi – Victorian Government	www.vic.gov.au/social-media/mobile-apps/ weeds-of-murrindindi.html	iPhone app for weed identification and control methods
WA	Department of Agriculture and Food	www.agric.wa.gov.au/PC_92313.html?s=0	Weed management advice Biosecurity Legislation
	Department of Parks and Wildlife	www.dec.wa.gov.au	Natural resource management
	Natural Resource Management	www.nrm.wa.gov.au/	Natural resource management

Glossary

Annual	A plant that germinates, flowers and dies in one year or less
Axil	The angle between the upper side of the stem and a leaf, branch, or petiole
Bush regeneration	Restore or maintain ecosystem function by encouraging natural regeneration of indigenous flora and limiting the impact of weeds and other degrading processes
Control	The treatment or management of weeds to reduce or prevent their further impact
Crown	A compressed group of underground rhizomes (stem mass)
Cryptic species	Species that are difficult to distinguish but are genetically distinct
Dispersal	Process of transporting propagules via a vector, such as wind, water, birds or other animals
Evaluate	Analyse information (data) to assess change and/or effectiveness of an intervention
Geophyte	Perennial plants with underground storage organs
Grubbing	Dig out whole plants, roots and all
Indigenous	A plant naturally occurring in particular area or region within Australia
Monitor	Gather information (data) about a site in a systematic way to answer predetermined monitoring questions
Native	A plant naturally occurring within Australia
Natural regeneration	The germination of indigenous plants from seeds or other propagules without human intervention
Nodes	Point in stem or rhizome containing buds from which stems or leaves arise
Perennial	A plant that remains growing year round
Propagule	Any part of a plant that can become detached to produce a new plant, e.g. bud, sucker, seed, spore
Provenance	The geographical and genetic source of a particular plant or seed
Rehabilitation	Repairing landform elements of a site, such as soil health and erosion
Resilience	The ability of native vegetation to recover from disturbance events such as fire, clearing or suppression by weeds
Restoration	Return ecosystem health and function to a degraded ecological community
Revegetation	Planting and direct seeding of indigenous plants
Rhizome	An underground stem capable of growing shoots or roots from its nodes
Roots	Underground plant organs used for nutrient and water uptake (not reproductive) and that may assist to anchor rhizomes, tubers or other underground parts. Often fibrous in asparagus weeds
Senesce	Process of drying and withering in period between maturity and death of a plant, or part of a plant, e.g. leaves on a deciduous plant; the natural end of a plant or vegetation community's lifespan
Succession	The natural progression of vegetation from one type to another, e.g. the first flush of species to colonise a disturbed area, then replacement by other suites of species over time as a community establishes and matures
Tubers	Bulbous underground storage organs (not reproductive in asparagus weeds)
Vegetative growth	New individuals arise without process of sexual reproduction (e.g. seeds); occurs when new individual growing buds (e.g. rhizomes) become detached and root as independent plants

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