

# High Risk species

<b>NSW Invasive Species Plan. Goal 1: Exclude</b>	
Prevent the establishment of new invasive species	1.2 Lists of high risk species

<b>Regional Weed Strategy. Aim: Preventative Weed Management</b>	
No new weeds naturalised over the life of the RWS	Priority weed lists in each RWS

<b>High Risk Species</b>	All 'alert', eradication' and 'destroy infestations' as per the NSW WRM system
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In order to use available resources most effectively, all of our previously declared weeds have been risk assessed by Local Control Authority (LCA) weed officers using the New South Wales Weed Risk Management (WRM) system. The WRM system is a tool developed to assist weed managers in NSW determine priorities for weed management.

### Determining priorities

A comparison of Weed Risk versus Feasibility of Coordinated Control will give guidance on appropriate strategic weed management actions.

WEED RISK	FEASIBILITY OF COORDINATED CONTROL				
	Negligible (113+)	Low (56-113)	Medium (31-55)	High (14-30)	Very high (<14)
Negligible (<13)	LIMITED ACTION	LIMITED ACTION	LIMITED ACTION	LIMITED ACTION	MONITOR
Low (13-38)	LIMITED ACTION	LIMITED ACTION	LIMITED ACTION	MONITOR	MONITOR PROTECT PRIORITY SITES
Medium (39-100)	MANAGE SITES	MANAGE SITES	MANAGE SITES	PROTECT PRIORITY SITES	CONTAIN SPREAD
High (101-192)	MANAGE WEED	MANAGE WEED	PROTECT PRIORITY SITES	CONTAIN SPREAD	DESTROY INFESTATIONS
Very high (192+)	MANAGE WEED	MANAGE WEED PROTECT PRIORITY SITES	CONTAIN SPREAD	DESTROY INFESTATIONS	ERADICATION

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This system recognises that the most cost effective way to manage weeds is to target them in the following priority:

**Alert: (Prevention):** These weeds are not known to be present in the Riverina region and pose a significant biosecurity risk. The plant or parts of the plant should not be traded, carried, grown or released into the environment. Aim to prevent the weeds arriving and establishing in the region through:

- Implementing quarantine and hygiene protocols
- Undertaking high risk site and pathway surveillance to identify potential introduction areas and preventative options
- Coordinating training and awareness activities for the community to enable early detection
- Implementing the rapid response plan to ensure a consistent approach to the management of new incursions of high risk species
- Notifying Local Control Authority if found
- Eradicating the plant from the land and keeping the land free of the plant.

**Eradication:** These weeds are present in limited distribution and abundance in the Riverina region. The plant or parts of the plant should not be traded, carried, grown or released into the environment. Aim to remove the weed species from the region through:

- Implementing the high risk sites and pathways management plan
- Implementing site specific biosecurity and hygiene protocols
- Detailed surveillance and mapping to locate all infestations
- Notifying Local Control Authority if found
- Eradicating the plant from the land and keeping the land free of the plant
- Monitoring progress towards eradication.

**Destroy (containment):** The plant or parts of the plant should not be traded, carried, grown or released into the environment. Aim to contain and significantly reduce the extent of the weed species in the region through:

- Implementing the high risk sites and pathways management plan
- Implementing site specific biosecurity and hygiene protocols
- Detailed surveillance and mapping to locate all infestations
- Destruction of all infestations where feasible
- Monitoring change in the current distribution.

**Management of high risk species** - refer to Rapid Response Plan WAP 2.2.1 for specific procedures to be undertaken upon finding a new incursion of a high risk species. Only those weeds currently declared noxious are bound by legal obligations.

**New high risk species** – species can be added to the lists in one of the following ways:

- By state level reviews
- By weed risk assessment – it must rank as ‘Alert’, ‘Eradication’ or ‘Destroy Infestations’ to be added to the list.

**Nominations** can be made to the Regional Weed Coordinator and the Regional Weed Committee (RWC) to be discussed by the RWC prior to ranking the species.

For **Biosecurity Act 2015 requirements & strategic responses** for the below listed priority weeds, refer to the Riverina Regional Strategic Weed Management Plan (**RSWMP**) 2017-2022.

**State Priority Weed Objective – Prevention:**

Anchored water hyacinth - *Eichhornia azurea*  
 Black knapweed - *Centaurea xmoncktonii*  
 Bridal veil creeper - *Asparagus declinatus*  
 Broomrapes - *Orobancha* spp. (all species except the native *O. cernua* var. *australiana* and *O. minor*)  
 Eurasian water milfoil – *Myriophyllum spicatum*  
 Frogbit / Spongeplant - *Limnobium* spp. (all species)  
 Gamba Grass – *Andropogon gayanus*  
 Hawkweed – *Hieracium* spp. (all species)  
 Hydrocotyl / Water pennywort – *Hydrocotyle ranunculoides*  
 Karoo acacia - *Vachellia karroo* (syn. *Acacia karroo*)  
 Kochia - *Bassia scoparia* (excluding subsp. *trichophylla*)  
 Koster's Curse / Clidemia – *Clidemia hirta*  
 Lagarosiphon – *Lagarosiphon major*  
 Mexican feathergrass - *Nassella tenuissima* (syn. *Stipa tenuissima*)  
 Miconia – *Miconia* species spp. (all species)  
 Mikania vine – *Mikania micrantha*  
 Mimosa – *Mimosa pigra*  
 Parthenium weed - *Parthenium hysterophorus*  
 Pond apple – *Annona glabra*  
 Prickly acacia - *Vachellia nilotica* (syn. *Acacia nilotica*)  
 Rubber vine - *Cryptostegia grandiflora*  
 Siam weed – *Chromolaena odorata*  
 Spotted knapweed - *Centaurea stoebe* subsp. *micranthos*  
 Water caltrop – *Trapa* spp. (all species)  
 Water soldier – *Stratiotes aloides*  
 Witchweed – *Striga* species except the native *Striga parviflora*  
 Yellow burrhead – *Limnocharis flava*

**State Priority Weed Objective – Eradication:**

Boneseed - *Chrysanthemoides monilifera* ssp. *monilifera*  
 Parkinsonia - *Parkinsonia aculeata*  
 Tropical soda apple - *Solanum viarum*

**State Priority Weed Objective – Containment:**

Alligator weed - *Alternanthera philoxeroides*  
 Bitou bush - *Chrysanthemoides monilifera* subsp. *rotundata*  
 Water hyacinth - *Eichhornia crassipes*

**State - a person must not import into the state or sell:**

African boxthorn - *Lycium ferocissimum*  
 Asparagus weeds - *Asparagus aethiopicus*, *A. africanus*, *A. asparagoides* Western Cape form, *A. plumosus*, *A. scandens* (Excludes *A. officinalis*, *A. racemosus*)  
 Athel pine - *Tamarix aphylla*  
 Bellyache bush – *Jatropha gossypifolia*  
 Blackberry - *Rubus fruticosus* agg.  
 Cabomba – *Cabomba caroliniana*  
 Cat's claw creeper – *Dolichandra unguis-cati*  
 Flax-leaf broom - *Genista linifolia*  
 Hymenachne – *Hymenachne amplexicaulus* and hybrids  
 Lantana - *Lantana camara*  
 Madeira vine – *Anredera cordifolia*  
 Opuntia - *Opuntia* spp., *Cylindropuntia* spp., *Austrocylindropuntia* spp. (Excludes *O. ficus-indica*) (opuntoid cacti)  
 Silver-leaf nightshade - *Solanum elaeagnifolium*  
 Willows - *Salix* spp. except *S. babylonica*, *S. X calodendron* and *S. X reichardtiji* (willows except weeping willows, pussy willow and sterile pussy willow)

**Regional Priority Weed Objective – Prevention:**

Chinese violet – *Asystasia gangetica* subsp *micrantha*  
 Heteranthera / Kidneyleaf mud plaintain – *Heteranthera reniformis*  
 Horsetail – *Equisetum* species  
 Parkinsonia - *Parkinsonia aculeata*  
 Senegal tea plant – *Gymnocoronis spilanthoides*  
 Tropical soda apple - *Solanum viarum*  
 Water lettuce - *Pistia stratiotes*

**Regional Priority Weed Objective – Eradication:**

Alligator weed - *Alternanthera philoxeroides*  
 Black willow - *Salix nigra*  
 Bitou bush - *Chrysanthemoides monilifera* subsp. *rotundata*  
 Cane needle grass - *Nassella hyalina*  
 Chilean needle grass - *Nassella neesiana*  
 Coolatai grass - *Hyparrhenia hirta*  
 Fireweed - *Senecio madagascariensis*  
 Gorse - *Ulex europaeus*  
 Grey Sallow - *Salix cinerea*  
 Mesquite - *Prosopis* spp.  
 Mother of millions - *Bryophyllum* spp.  
 Montpellier/cape broom - *Genista monspessulana*  
 Perennial ground cherry - *Physalis longifolia*  
 Prairie ground cherry - *Physalis hederifolia*  
 Ragwort - *Senecio jacobaea*  
 Sagittaria - *Sagittaria graminea*  
 Salvinia - *Salvinia molesta*  
 Scotch broom - *Cytisus scoparius*  
 Serrated tussock - *Nassella trichotoma*  
 Water hyacinth - *Eichhornia crassipes*

**Regional Priority Weed Objective – Containment:**

Cane needle grass - *Nassella hyalina*- Wagga City Council  
 Montpellier/cape broom - *Genista monspessulana* - Snowy Valleys  
 Ox-eye daisy - *Leucanthemum vulgare*  
 Scotch broom - *Cytisus scoparius* - Snowy Valleys  
 Water poppy - *Hydrocleys nymphoides*  
 Yellow Waterlily - *Nymphaea mexicana*