



APDS Species List

Species included in the survey series.

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This publication has been compiled by Moya Calvert of IP&A, Biosecurity Queensland.

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The Department of Agriculture and Fisheries proudly acknowledges all First Nations peoples (Aboriginal peoples and Torres Strait Islanders) and the Traditional Owners and Custodians of the country on which we live and work. We acknowledge their continuing connection to land, waters and culture and commit to ongoing reconciliation. We pay our respect to their Elders past, present and emerging.

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Contents

Classification of invasive species	3
Land Protection (Pest and Stock Route Management) Act 2002	3
Biosecurity Act 2014	3

List of tables

Table 1 Invasive Species and Years Surveyed	1
Table 2 Number of species surveyed in each classification	7

Classification of invasive species

Land Protection (Pest and Stock Route Management) Act 2002

The former Land Protection (Pest and Stock Route Management) Act 2002 classified invasive species as class 1, 2, or 3. This system was used until 2016.



Biosecurity Act 2014

The [Biosecurity Act 2014](#) classifies species as either prohibited or restricted. Several prohibited species have been found in Queensland and are included in the survey.

Invasive plants



Invasive animals



Category 2: A person must report the invasive species within 24 hours to 13 25 23.

Restricted invasive plants (Cat 2, 3, 4, 5): must be reported (as above), cannot be moved, kept, released into the environment, given away or sold.

Restricted invasive plants (Cat 3): cannot be released into the environment, given away or sold.

Restricted invasive animals (Cat 2, 3, 4, 5, 6): must be reported (as above), cannot be released into the environment, given away or sold; cannot be moved; must not be kept; and must not be fed.

Restricted invasive animals (Cat 3, 4, 5, 6): cannot be released into the environment, given away or sold; cannot be moved; must not be kept; and must not be fed.

Restricted invasive animals (Cat 3, 4, 6): cannot be released into the environment, given away or sold; cannot be moved; and must not be fed.

[Link to Business Queensland Invasive Plant categories for an explanation for invasive plants.](#)

[Link to Business Queensland Invasive Animal categories for an explanation for invasive animals.](#)



Table 1 Invasive Species and Years Surveyed

Common name	Species name	2022/23	2018	13/14	11/12	09/10	2008	2007	2006
African boxthorn	Lycium ferocissimum	✓ QH, QW			✓			✓	✓
African fountain grass	Pennisetum setaceum	✓ QH				✓	✓		
African tulip tree	Spathodea campanulata	✓ TMR, QP, QW							
African love grass	Eragrostis curvula			✓	✓	✓	✓		
Aleman grass	Echinochloa polystachya				✓	✓	✓		
Alligator weed	WoNS Alternanthera philoxeroides	✓ QH, QW		✓	✓	✓	✓	✓	✓
Annual ragweed	Ambrosia artemisiifolia			✓		✓	✓	✓	✓
Asparagus fern	Asparagus aethiopicus, A. africanus, A. plumosus					✓			✓
Athel pine (naturalised)	WoNS Tamarix aphylla	✓ TMR, QH, QW			✓	✓	✓		
Badhara bush	Gmelina elliptica	✓ BORIS		PC			✓	✓	✓
Balloon vine	Cardiospermum grandiflorum				✓		✓		
Bamboo: creeping bamboo	Phyllostachys spp.						✓		
Barleria	Barleria prionitis					✓		✓	
Bellyache bush	Jatropha gossypifolia	✓ QH, QW	✓	✓	✓	✓		✓	✓
Bitou bush (WoNS)	Chrysanthemoides monilifera ssp. rotundata	✓ BORIS		PC			✓	✓	✓
Blackberry	WoNS Rubus anglocandicans, R. fruticosus agg.	✓ QH, QW			✓		✓		
Blackbuck antelope	Antelope cervicapra							✓	✓
Bog Moss	Mayaca fluviatilis			PC					
Bridal creeper	WoNS Asparagus asparagoides	✓ QH, QW		✓		✓	✓	✓	✓
Broad-leaved pepper tree	Schinus terebinthifolius			✓		✓			
Cabomba	WoNS Cabomba caroliniana	✓ QH, QW		✓		✓		✓	✓
Calotrope	Calotropis procera		✓		✓	✓	✓		
Camphor laurel	Cinnamomum camphora					✓			
Candyleaf	Stevia ovata	✓ QH			✓	✓			
Cane toad	Rhinella marina syn. Bufo marinus				FS		✓		
Captain cook tree	Cascabela thevetia	✓ TMR, QH, QW	✓						✓
Cat's claw creeper	Dolichandra unguis-cati	✓ TMR, QH, QW			✓	✓	✓		
Chilean needle grass	WoNS Nassella neesiana	✓ QH, QW	✓	PC	✓	✓	✓	✓	✓

Common name	Species name	2022/23	2018	13/14	11/12	09/10	2008	2007	2006
Chinee apple	Ziziphus mauritiana	✓ TMR, QH, QW				✓		✓	✓
Chinese celtis	Celtis sinensis			✓	✓	✓	✓	✓	✓
Chinese tallow	Triadica sebifera syn. Sapium sebiferum			✓	✓	✓	✓	✓	✓
Chinese violet	Asystasia gangetica			✓	✓	✓	✓	✓	✓
Cholla: Coral cactus	Cylindropuntia fulgida	✓ TMR, QH, QW	✓		✓	✓	✓	✓	✓
Cholla: devils rope pear	Cylindropuntia imbricata	✓ QH, QW	✓		✓	✓	✓	✓	✓
Cholla: hudson pear	Cylindropuntia tunicata, C. pallida (syn rosea)	✓ QH, QW		PC	✓	✓	✓	✓	✓
Cholla: jumping cholla	Cylindropuntia prolifera	✓ QH, QW			✓	✓	✓	✓	✓
Cholla: snake cactus	Cylindropuntia spinosior	✓ QH, QW	✓		✓	✓	✓	✓	✓
Cottontails	Froelichia floridana, F. gracilis			✓	✓	✓	✓	✓	✓
Elephant ear vine	Argyreia nervosa	✓ QH, QW							
Eve's pin cactus	Austrocylindropuntia subulata	✓ BORIS, QH							
Feral camel	Camelus dromedarius			✓	FS	✓		✓	✓
Feral cat	Felis catus			✓				✓	✓
Feral chital deer	Axis axis	✓ FS	✓	✓			✓	✓	✓
Feral fallow deer	Dama dama	✓ FS		✓	FS	✓	✓	✓	✓
Feral deer species	Cervinae (Family) spp.			✓	✓	✓	✓	✓	✓
Feral red deer	Cervus elaphus	✓ FS		✓	FS	✓	✓	✓	✓
Feral rusa deer	Cervus timorensis	✓ FS	✓	FS	FS		✓	✓	✓
Feral goat	Capra hircus			✓			✓	✓	✓
Feral horse	Equus caballus			✓				✓	✓
Feral pig	Sus scrofa			✓			✓	✓	✓
Firethorn	Pyracantha angustifolia			✓	✓	✓	✓	✓	✓
Fireweed	Senecio madagascariensis	✓ TMR, QH, QW, LG	✓	✓		✓	✓	✓	✓
Florestina	Not in current dataset			✓	✓	✓	✓	✓	✓
Fox	Vulpes vulpes			FS	FS			✓	✓
Gamba grass	Andropogon gayanus	✓ TMR, QH, QP, QW, LG	✓	✓	✓	✓	✓	✓	✓
Giant sensitive plant	Mimosa diplotricha var. diplotricha			✓				✓	✓
Giant tropical salvia	Brillantaisia lamium			✓	✓	✓	✓	✓	✓



Common name	Species name	2022/23	2018	13/14	11/12	09/10	2008	2007	2006
Golden dodder	Not in current dataset							✓	
Gorse	Ulex europaeus	✓ BORIS							
Grader grass	Themeda quadrivalvis				✓			✓	
Groundsel bush	Baccharis halimifolia	✓ TMR, QH, QP, QW, LG			✓			✓	✓
Harrisia cactus	Harrisia martinii, H. pomanensis, H. tortuosa	✓ TMR, QH, QW, LG	✓		✓	✓		✓	✓
Harungana	Harungana madagascariensis	✓ QH					✓		
Honey locust	Gleditsia triacanthos	✓ QH, QW		PC	✓	✓	✓	✓	✓
Hygrophila	Hygrophila costata	✓ QH, QW		✓		✓	✓	✓	✓
Hymenachne	WoNS Hymenachne amplexicaulis	✓ TMR, QH, QP, QW, LG			✓	✓	✓	✓	✓
Indian myna	Acridotheres tristis			✓		✓	✓		
Kidneyleaf mudplantain	Heteranthera reniformis			✓	✓	✓	✓		
Kosters curse	Clidemia hirta	✓ QH, BORIS, QW		✓	✓	✓	✓	✓	✓
Kudzu	Pueraria montana var. lobata	✓ QH, QW		✓		✓	✓		✓
Lagarosiphon	Not in current dataset						✓	✓	
Lantana: common lantana	WoNS Lantana camara				✓	✓			✓
Leucaena (naturalised)	Leucaena leucocephala				✓	✓			
Limnocharis	Limnocharis flava	✓ BORIS	NTWEP	✓	✓	✓	✓	✓	✓
Lippia	Phyla canescens					✓		✓	
Madeira vine	Anredera cordifolia	✓ QH, QW			✓	✓		✓	
Madras thorn	Pithecellobium dulce	✓ BORIS		PC		✓	✓	✓	
Mesquites	WoNS Prosopis glandulosa, P. pallida, P. velutina	✓ TMR, QH, QW, LG		✓		✓	✓	✓	✓
Mesquite (smooth mesquite)	Prosopis laevigata	✓ BORIS							
Mexican bean tree	Cecropia pachystachya, C. palmata, C. peltata	✓ BORIS, QH	✓	PC		✓	✓		✓
Mexican feather grass	Nassella tenuissima	✓ BORIS				✓	✓		✓
Mexican poppy	Not in current dataset							✓	
Miconia	Miconia calvescens, M. nervosa, M. racemosa	✓ BORIS		✓	✓	✓	✓	✓	✓
Mikania vine	Mikania micrantha	✓ BORIS		✓	✓	✓	✓	✓	✓
Mimosa pigra	WoNS Mimosa pigra	✓ BORIS		PC	✓		✓	✓	✓



Common name	Species name	2022/23	2018	13/14	11/12	09/10	2008	2007	2006
Mother of millions	Bryophyllum delagoense, B. tubiflorum, Kalanchoe delagoense	✓ TMR, QH, QW, LG			✓		✓	✓	✓
Navua sedge	Cyperus aromaticus			✓	✓	✓	✓	✓	✓
Neem tree	Azadirachta indica		✓	✓	✓	✓	✓	✓	✓
Non-indigenous acacia: cha'om	Senegalia insuavis	✓ BORIS, QH							
Non-indigenous acacia: cutch tree	Senegalia catechu	✓ BORIS							
Non-indigenous acacia: grey-haired acacia	Vachellia gerrardii	✓ BORIS							
Non-indigenous acacia: karroo thorn	Vachellia karroo	✓ BORIS							
Non-indigenous acacia: knob thorn	Senegalia nigrescens	✓ BORIS							
Non-indigenous acacia: monkey thorn	Senegalia galpinii	✓ BORIS							
Non-indigenous acacia: paperbark thorn	Vachellia sieberiana	✓ BORIS							
Non-indigenous acacia: redwood	Acaciella glauca	✓ BORIS							
Non-indigenous acacia: soap pod wattle	Senegalia rugata	✓ BORIS							
Non-indigenous acacia: umbrella thorn	Vachellia tortilis	✓ BORIS							
Non-indigenous acacia: white ball acacia	Acaciella angustissima	✓ BORIS		PC		✓			
Non-indigenous acacia: yellow fever tree	Vachellia xanthophloea	✓ BORIS							
Noogoora burr	Xanthium occidentale, syn. X. pungens, X. strumarium			✓	✓	✓	✓	✓	✓
Ornamental gingers: kahili and white ginger	Hedychium gardnerianum, H. coronarium			✓	✓	✓	✓	✓	✓
Ornamental gingers: yellow ginger	Hedychium flavescens			✓	✓	✓	✓	✓	✓
Ornamental gingers: Kahili, white and yellow ginger	Hedychium gardnerianum, H. coronarium, H. flavescens	✓ QH		✓	✓	✓	✓	✓	✓
Pampas grass	Not in current dataset			✓	✓	✓	✓	✓	✓
Parkinsonia	WoNS Parkinsonia aculeata	✓ TMR, QH, QW, LG		✓	✓	✓	✓	✓	✓
Parthenium	WoNS Parthenium hysterophorus	✓ TMR, QH, QP, QW, LG	✓	✓	✓	✓	✓	✓	✓

Common name	Species name	2022/23	2018	13/14	11/12	09/10	2008	2007	2006
Pencil willow	WoNS Not in current dataset					✓			✓
Peruvian primrose	Ludwigia peruviana	✓ BORIS							
Pond apple	WoNS Annona glabra	✓ QH, QW			✓	✓	✓		✓
Praxelis	Praxelis clematidea					✓	✓	✓	✓
Prickly acacia	WoNS Vachellia nilotica	✓ TMR, QH, QW, LG	✓	✓	✓	✓	✓		✓
Prickly pear: Aaron's beard cactus	Opuntia leucotricha	✓ BORIS							
Prickly pear: blind cactus	Opuntia rufida	✓ BORIS							
Prickly pear: bunny ears	Opuntia microdasys	✓ BORIS							
Prickly pear: common pest pear	Opuntia stricta, syn O. inermis	✓ TMR, QH, QP, QW, LG		✓					
Prickly pear: drooping tree pear	Opuntia monacantha, syn O.vulgaris	✓ TMR, QH, QW, LG							
Prickly pear: Engelmann prickly pear	Opuntia engelmannii	✓ BORIS							
Prickly pear: Opuntia elatior	Opuntia elatior	✓ BORIS							
Prickly pear: Opuntia puberula	Opuntia puberula	✓ BORIS							
Prickly pear: riverina pear	Opuntia elata	✓ BORIS							
Prickly pear: sulphur cactus	Opuntia sulphurea	✓ BORIS							
Prickly pear: tiger pear	Opuntia aurantiaca	✓ QH, QW							
Prickly pear: velvety tree pear	Opuntia tomentosa	✓ TMR, QH, QW, LG			✓				✓
Prickly pear: Westwood pear	Opuntia streptacantha	✓ TMR, QH, QW							
Prickly pear: wheel cactus	Opuntia robusta	✓ BORIS							
Privet: small-leaf privet)	Not in current dataset							✓	✓
Privet: broad-leaf privet	Ligustrum lucidum	✓ QH, QW		✓				✓	✓
Rabbit	Oryctolagus cuniculus			✓	F S		✓		✓
Rat's tail grasses (5 species)	Sporobolus jacquemontii, S. fertilis, S. africanus, S. natalensis, S. pyramidalis		✓	✓		✓		✓	✓
Rat's tail grasses (4 species)	Sporobolus jacquemontii, S. fertilis, S. natalensis, S. pyramidalis	✓ TMR, QH, QP, QW, LG							
Rat's tail grass (american)	Sporobolus jacquemontii				✓		✓		
Red-eared slider turtle	Trachemys scripta elegans				✓		✓	✓	✓
Rosewood (Tipuana)	Not in current dataset							✓	✓



Common name	Species name	2022/23	2018	13/14	11/12	09/10	2008	2007	2006
Rubber vine	WoNS Cryptostegia grandiflora	✓ TMR, QH, QP, QW, LG	✓		✓	✓	✓		✓
Rubber vine: ornamental rubber vine	Cryptostegia madagascariensis						✓		
Sagittaria	Sagittaria platyphylla	✓ QW		✓					
Salvinia	WoNS Salvinia molesta	✓ TMR, QH, QW, LG		✓		✓		✓	✓
Senegal tea plant	Gymnocoronis spilanthoides	✓ QH		PC		✓	✓	✓	✓
Siam weed (C. odorata)	Chromolaena odorata	✓ QH, QW	✓	PC	✓	✓	✓	✓	✓
Siam weed (C. squalida)	Chromolaena squalida	✓ BORIS							
Sida	Not in current dataset							✓	
Silverleaf nightshade	Solanum elaeagnifolium	✓ BORIS							
Sicklepod	Senna obtusifolia, S. tora, S. hirsuta	✓ TMR, QH, QP, QW, LG			✓		✓		✓
Singapore daisy	Sphagneticola trilobata, syn Wedelia trilobata	✓ TMR, QH, QP, QW, LG				✓			
St Johns wort	Hypericum perforatum				✓	✓	✓	✓	
Telegraph weed	Heterotheca grandiflora	✓ QH, QW		✓	✓		✓		✓
Thatch grass	Hyparrhenia rufa				✓				
Thunbergia	Thunbergia grandiflora, syn T. laurifolia	✓ QH, QW, LG			✓	✓	✓	✓	✓
Thunbergia fragrans	Thunbergia fragrans			✓			✓		
Tobacco weed	Elephantopus mollis	✓ QH, QW, LG		✓	✓		✓		✓
Tropical Soda Apple	Solanum viarum	✓ BORIS		✓					
Water Buffalo (feral)	Not in current dataset						✓		
Water hyacinth	Eichhornia crassipes	✓ TMR, QH, QP, QW, LG		✓		✓	✓		✓
Water lettuce	Pistia stratiotes	✓ TMR, QH, QP, QW, LG		✓		✓	✓		✓
Water mimosa	Neptunia oleracea, N. plena	✓ BORIS		✓		✓			
Wild dog	Canis familiaris, C. familiaris dingo, C. lupus familiaris, C. lupus dingo			FS	FS			✓	✓
Witchweeds: red witchweed	Striga asiatica	✓ BORIS		PC					
Yellow bells	Tecoma stans	✓ TMR, QH, QP, QW, LG		✓					✓
Yellow crazy ant	Anoplolepis gracilipes		✓	✓				✓	✓

✓ indicates the species was surveyed. WoNS = [Weeds of National Significance](#)



Table 2 Number of species surveyed in each classification

Classification	Act	2022/23	2018	2013/14	2011/12	2009/10	2008	2007	2006
Total Class 1	Land Protection (Pest and Stock Routes) Act 2002			24	13	19	23	20	18
Total Class 2				27	24	22	25	19	31
Total Class 3 and emergent				14	25	26	23	21	10
Prohibited plants	Biosecurity Act 2014	23	0						
Restricted plants (Cat 2, 3, 4, 5)		15	1						
Restricted plants (Cat 3)		59	15						
Not listed plants		0	2						
Invasive animals (Cat 2, 3, 4, 5, 6)		0	0						
Invasive animals (Cat 3, 4, 5, 6)		0	0						
Invasive animals (Cat 3, 4, 6)		4	2						

Data source references

Initial	Name	Reference
BORIS	Biosecurity Online Resource Information System	Internal to Department of Agriculture and Fisheries (DAF)
FS	Feral Scan	Link to web page
NTWEP	National Tropical Weed Eradication Program	Link to web page
PC	Pest Central - Agriculture and Fisheries	Archived dataset, data is available from the Atlas of Living Australia QWeeds dataset (below).
QW	QWeeds - Agriculture and Fisheries	Compilation of invasive plant data sourced from PestInfo, Siam weed database, Pest Central and BORIS (internal mapping systems): Link to QWeeds dataset
QH	Qherb - Queensland Herbarium dataset	Internal to Department of Environment and Science
TMR	Transport and Main Roads	Internal to Department of Transport and Main roads
QP	QPest – Queensland National Parks and Wildlife dataset	Internal to Department of Environment and Science
LG	Local government datasets	Various internal datasets from Local governments