

Table 6 Emerging, established and potential invasive environmental weeds likely to threaten WH values

Note: Some Class 2 & 3 weeds are not listed in this table. Whilst there is a legal obligation to control them, they are not considered to be high priority environmental threats to WH values.

Priority	Common name	Species	Plant type	Origins and uses	First year	Ecosystem	Weed Status	Location & comments
High priority weeds - newly emerging weeds to be eradicated completely								
1	Miconia	<i>Miconia calvescens</i>	Tree	Central American ornamental	1992	Intact rainforest & edges	D1, U, WWW PII, WIWP	Found near Kuranda, Cairns, Innisfail, Julatten.
1	Koster's curse	<i>Clidemia hirta</i>	Shrub	Tropical American ornamental	2001	Rainforest edges, riparian	D1, WWW PII, WIWP	Newly in Julatten.
1	Siam weed	<i>Chromolaena odorata</i>	Shrub, Vine	Tropical American, accidental arrival	1993	Rainforest edges, riparian, sclerophyll communities	D1, PII WWW	Infestations found from Mossman to Townsville and west to Mt Garnett.
1	Hiptage	<i>Hiptage benghalensis</i>	Vine	SE Asian & Indian ornamental	1987	Rainforest edges and riparian	WWW, WIWP	Invasive along South Mossman River.
1	Mikania vine Mile a minute	<i>Mikania micrantha</i>	Vine	Tropical American accidental invader	1998	Rainforest edges & disturbed areas	D1, PII WWW	Recently in Mission Beach, Ingham, Speewah.
2	Miconia	<i>Miconia racemosa</i>	Shrub	Tropical American ornamental	2002	Rainforest	D1	Recent invader around Kuranda.
2	Alligator weed	<i>Alternanthera philoxeroides</i>	Aquatic herb	South American	1998	Wetlands, waterways	D1, WONS	Single infestation in Douglas Shire.
2	Brilliantaisia	<i>Brilliantaisia lamium</i>	Herb, Shrub	African ornamental	1998	Rainforest edges, riparian		Miallo major outbreak, also Daintree, Julatten, Speewah and other areas.
2	Mist flower	<i>Ageratina riparia</i>	Herb	Mexican and West Indian	1996	Riparian	WIWP	Found in lower Russell River Valley in WHA. Major weed in SE Queensland.
2	Limnocharis	<i>Limnocharis flava</i>	Aquatic herb	South American ornamental & food	2001	Wetlands & waterways	D1	Recently found in Cairns, Mulgrave River, Kuranda and Feluga/Tully area.
2	White trumpet vine	<i>Thunbergia laurifolia</i>	Vine	Indian ornamental	1987	Rainforest & riparian areas.	D1, U	Isolated infestations along coastal streams from the Tully River to the Daintree.
2	Venezuelan pokeweed	<i>Phytolacca rivinoides</i>	Shrub	Tropical American ornamental	2002	Rainforest edges and disturbed areas		Small infestation discovered at Miallo in April 2002.
2	Coffee	<i>Coffea arabica</i> <i>Coffea liberica</i>	Shrub, Tree	Ethiopian horticultural	1959	Rainforest & edges	U, WIWP	<i>C. arabica</i> new outbreaks at crater lakes. <i>C. liberica</i> new outbreaks in the Daintree.
3	Gamba grass	<i>Andropogon gayanus</i>	Grass	Tropical African pasture grass	2000	Riparian, woodlands		Recent invader in Wet Tropics. Widely established in Cape York and NT.
3	Aleman grass	<i>Echinochloa polystachya</i>	Grass	Tropical American ponded pasture	1990	Open wetlands and floodplains	PII	Invader in Wondecla area, established in other areas of Queensland.
3	Panama rubber	<i>Castilla elastica</i>	Tree	Central American rubber tree	1994	Intact rainforest & edges		Confined to Cairns area.
3	Indian plum	<i>Flacourtia jangomas</i>	Tree	Indian fruit tree	1967	Rainforest & edges		Found in Douglas Shire.
3	Cucumber tree	<i>Parmentiera aculeata</i>	Tree, Vine	Asian food plant	1959	Rainforest edges and disturbed areas		Still confined to relatively restricted areas around Cairns.
3	Ceara rubber tree	<i>Manihot glaziovii</i>	Tree	Brazilian rubber tree	1984	Rainforest & riparian	WIWP	Recent outbreaks in the Bioregion.

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3	Mimosa	<i>Mimosa pigra</i>	Shrub	Tropical American	NYR	Swamps Riverine	D1, WONS	Not yet in Wet Tropics, but an enormous problem on floodplains in the NT.
3	Ivy gourd	<i>Coccinia grandis</i>	Vine	Asian & African ornamental	1990	Rainforest edges & disturbed areas	PII	Potential 'sleeper' weed in WT domestic gardens.
3	Spiked pepper	<i>Piper aduncum</i>	Shrub, Tree	Tropical American ornamental	NYR	Rainforest edges & disturbed areas	D1	Not yet recorded in Wet Tropics.
3	Pagoda plant	<i>Clerodendrum paniculatum</i>	Shrub	Asian ornamental	NYR	Rainforest and edges		Common plant in domestic gardens. Bird dispersed.
3	Bronze leaved clerodendrum	<i>Clerodendrum quadriloculare</i>	Shrub	Philippine ornamental	NYR	Rainforest and edges		Huge problem overseas. Potential weed in Botanic Gardens. Bird dispersed.
3	Chandeller bush	<i>Medinilla magnifica</i>	Shrub	Philippine ornamental	NYR	Rainforest and edges		Common plant in domestic gardens. Bird dispersed.
3	Eared pepper	<i>Piper auritum</i>	Shrub	Tropical American ornamental & drug	NYR	Rainforest and edges		Potential weed in Botanic Gardens. Bird dispersed.

High priority weeds - new infestations to be eradicated and larger, established outbreaks to be contained

4	Hymenachne	<i>Hymenachne amplexicaulis</i>	Aquatic grass	Tropical American ponded pasture	1990	Wetlands & waterways	D2, WONS	Established in Cairns, Johnstone, Douglas, Hinchinbrook and Cardwell Shires and subject to eradication programs, but funding limited.
4	Pond apple	<i>Annona glabra</i>	Tree	American & African horticultural plant	1962	Wetlands, riparian, mangroves	D2, U, WIWP PII, WONS	Major outbreaks in Tully, Daintree, Russell and Johnstone Rivers.
4	Lantana	<i>Lantana camara</i>	Shrub	Tropical American garden plant	1966	Scierophyll communities	D3, U WONS	Found throughout most coastal and sub-coastal areas of eastern Australia from NSW to FNO.
4	Leucaena, Coffee bush	<i>Leucaena leucocephala</i>	Tree, Shrub	Central American fodder crop	1953	Rainforest edges, riparian	PII, WWW WIWP	Established and widespread.
5	Ardisia	<i>Ardisia solanacea</i>	Shrub	Sri Lankan	2000	Rainforest & edges, riparian	PII, WWW WIWP	Recent invader from domestic gardens around Cairns.
5	Para grass	<i>Brachiaria mutica</i>	Grass	American, African ponded pasture	1973	Open wetlands & floodplains	U	Established and widespread.
5	Cabomba	<i>Cabomba caroliniana</i> & spp.	Aquatic herb	North American aquarium plant	1990	Wetlands, waterways	D2, U WONS	Occurs in Leslie and Kenny Creeks on the Atherton Tableland, Canal Creek in Cairns and also in Johnstone Shire.
5	Water hyacinth	<i>Eichornia crassipes</i>	Aquatic herb	Tropical America ornamental	1980	Waterways and wetlands	D2, U PII, WWW	

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5	Harungana	<i>Harungana madagascariensis</i>	Tree	Tropical African ornamental	1954	Rainforest & edges, riparian	D3, U WIWP	Established at Bellenden Ker Range and coastal lowlands.
5	Woolly morning glory, Snake vine	<i>Argyrea nervosa</i>	Vine	Indian ornamental and medicinal	1973	Riparian and woodlands		Spreading rapidly throughout the southern Wet Tropics.
5	Salvinia	<i>Salvinia molesta</i>	Aquatic fern	South American aquarium plant	1968	Wetlands, waterways	D2, U PII, WONS	Widely established.
5	African tulip	<i>Spathodia campanulata</i>	Tree	West African, ornamental	1996	Rainforest edges, riparian	D3, U, WWW PII, WIWP	Widely established.
5	Singapore daisy	<i>Sphagneticola trilobata</i>	Herb	Central American garden plant	1987	Rainforest & edges, riparian	D3, U, PII WWW	Widely established.
5	Blue trumpet vine	<i>Thunbergia grandiflora</i>	Vine	Indian ornamental	1964	Rainforest & riparian	D2, U WIWP	Scattered along coastal streams from the Tully River to the Daintree.
5	Molasses grass	<i>Melinis minutiflora</i>	Grass	Tropical African pasture grass	1976	Sclerophyll communities & riparian	U, PII	Established and widespread.
Other priority weeds - new infestations to be eradicated and larger, established outbreaks to be contained								
7	Guinea grass	<i>Panicum maximum</i>	Grass	African pasture grass	1987	Rainforest edges & disturbed areas	U, PII	Widely established.
7	Water lettuce	<i>Pistia stratiotes</i>	Aquatic herb	World Tropics	2000	Waterways and wetlands		
7	Guava	<i>Psidium guajava</i>	Tree Shrub	Tropical American fruit tree	1975	Rainforest edges	U, PII, WIWP	Widely established.
7	Turbina	<i>Turbina corymbosa</i>	Vine	Tropical American	1973	Rainforest edges, riverine	U	Widely established (especially in Upper Barron catchment).
8	Arrowhead	<i>Sagittaria graminea</i>	Aquatic herb	North American aquatic herb	1998	Wetlands, waterways		Widely established.
8	Broad leaved pepper tree	<i>Schinus terebinthifolia</i>	Tree	Brazilian ornamental	1998	Rainforest edges and riparian	D3, WWW PII, WIWP	Recent invader, bird dispersed seeds indicate potential to spread rapidly.
8	Elodea	<i>Elodea canadensis</i>	Aquatic herb	Canadian	2000	Wetlands, waterways		
8	Balloon vine	<i>Cardiospermum halicacabum</i>	Vine	North & tropical American	1992	Rainforest edges and riparian	PII, WIWP	Widely established.
8	Brazilian nightshade	<i>Solanum seaforthianum</i>	Vine	Tropical American	1971	Rainforest edges and riparian		Widely established.
8	Arrowhead vine	<i>Syngonium podophyllum</i>	Vine	South American garden plant	2000	Rainforest and edges		Widely established.
9	Yellow allamanda	<i>Allamanda cathartica</i>	Vine Shrub	South American ornamental	1990	Rainforest edges & swamps	U	Encroaching on Wet Tropics from domestic gardens.
9	Glowvine	<i>Sarrianea magnifica</i>	Vine	South American ornamental	2003	Rainforest edges		Recent outbreaks near Kuranda, Speewah and Daintree.
9	Purple bigonia	<i>Erythrina sykesii</i>	Tree	Indian fodder tree	1950	Riparian		Widely established on southern Atherton Tablelands, particularly on upper Beatrice River, Ithaca River and around Tarzali.

Priority	Common name	Species	Plant type	Origins and uses	First year	Ecosystem	Weed Status	Location & comments
9	Camphor laurel	<i>Cinnamomum camphora</i>	Tree	Asian, ornamental and windbreak	1992	Rainforest & riparian	D3, U, WIWP	Emerging. Established in SEQ and NSW.
9	East Indian mahogany	<i>Chukrasia velutina</i>	Tree	Asian, commercial timber	2000	Rainforest edges		Becoming established.
9	White teak	<i>Gmelina arborea</i>	Tree	Asian commercial timber	2003	Rainforest & riparian	PII	Outbreak between Mareeba & Kuranda.
9	Elephant grass	<i>Pennisetum purpureum</i>	Grass	African pasture grass	1975	Roadsides, creeks and open areas	U, PII	Widely established in wet areas.
9	Coral berry	<i>Rivina humilis</i>	Herb	Tropical and South American	1961	Rainforest edges & open woodlands	PII	Widely established.

Some other plant groups already established which may become problems in the future

10	Horticultural fruits	Numerous species	Tree Vine	Commercial orchard trees		Intact rainforest and edges		Include mango, lychee, rambutan, longan, ice-cream bean, passionfruit and star apple.
10	Tropical trees	Numerous species	Tree	Ornamental and shady garden trees		Rainforest edges		Includes raintree and poinciana.
10	Plantation timber	Numerous species	Tree	Commercial timber production		Rainforest edges and open woodlands		Includes Caribbean pine, hoop pine, and genetically modified native species.
10	Palms	Numerous species	Tree	Ornamental garden trees		Rainforests and edges, coastal areas		Includes queen palms, coconuts and oil palms.
10	Indoor and garden plants	Numerous species	Shrub Vine	Ornamental plants		Intact rainforest and edges		Includes all shade tolerant species which can grow under rainforest canopy.

D1, D2, D3 = Declared weed in Queensland (Class 1,2,3)

First year = first year recorded naturalised in the WT Bioregion or close by. Many weeds probably naturalised before listed date.

NYR = Not yet recorded

PII = Significant Pacific Island Invader

U = Listed as Undesirable under the Plan

WIWP = World's Invasive Woody Plants listing

WONS = Weed Of National Significance

WWW = One of the 36 World's Worst Weeds