

HOPE Southern Queensland Weeds Forum Wednesday 19th April 2023 UniSQ

*About Invasive Species Queensland, our
publications and activities*





Invasive Species Queensland

Invasive Species Queensland

About me – Janet Barker

Vice President of Invasive Species Queensland



Weed Society of Queensland



What am I talking about today?

- What/who is Invasive Species Queensland?
- How can you use our publication – Weeds of Southern Queensland to help with weed ID and management locally
- Open discussion about future directions for weed management



About Invasive Species Qld?

- formerly known as the Weed Society of Queensland
- formed in 1975
- only organisation in the state that represents the suite of weed and pest animal management personnel
- Around 260 members (*Local and state government, research, Landcare and environmental interest groups, training and education, private enterprise and landholders*)
- auspiced under Council of Australasian Weed Societies (7 organisations)
- Name change to incorporate pest animals in 2022

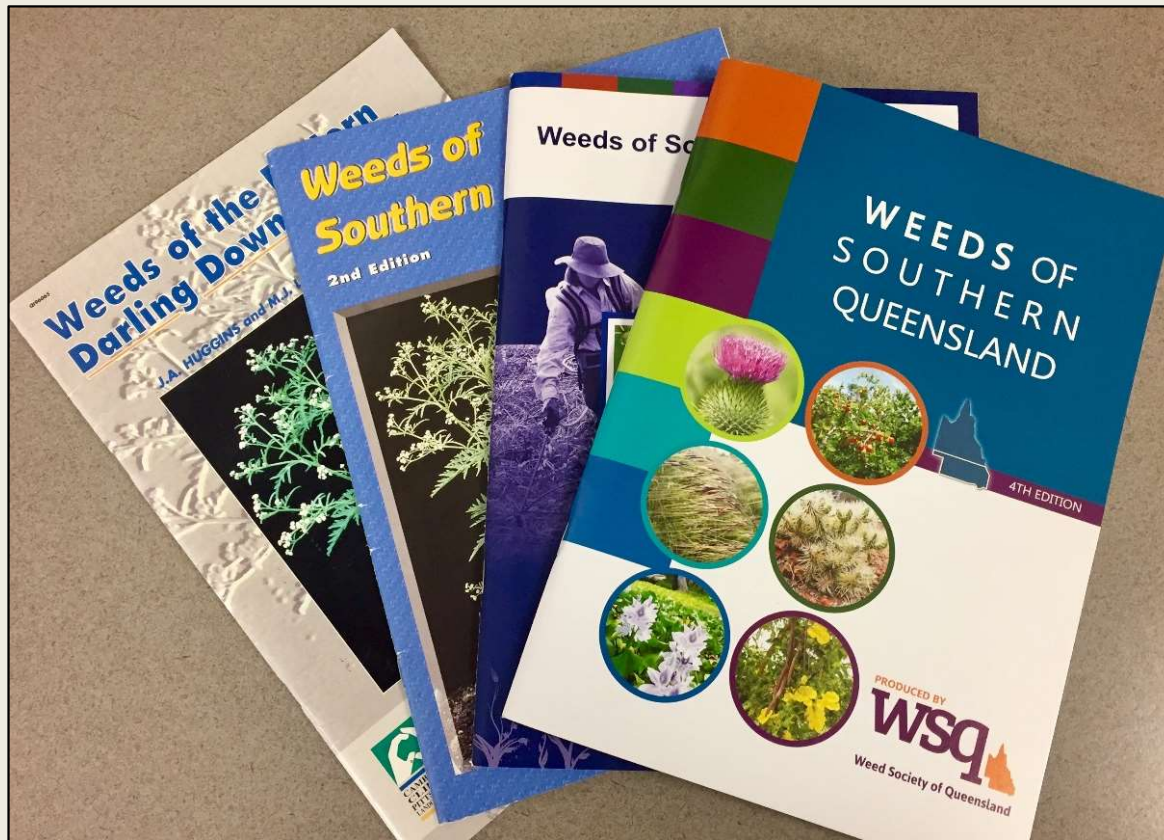
What do we do?

- Publications and a newsletter
- Grants, awards and scholarships
- Field days and forums
- Symposiums
- Public relations and advocacy

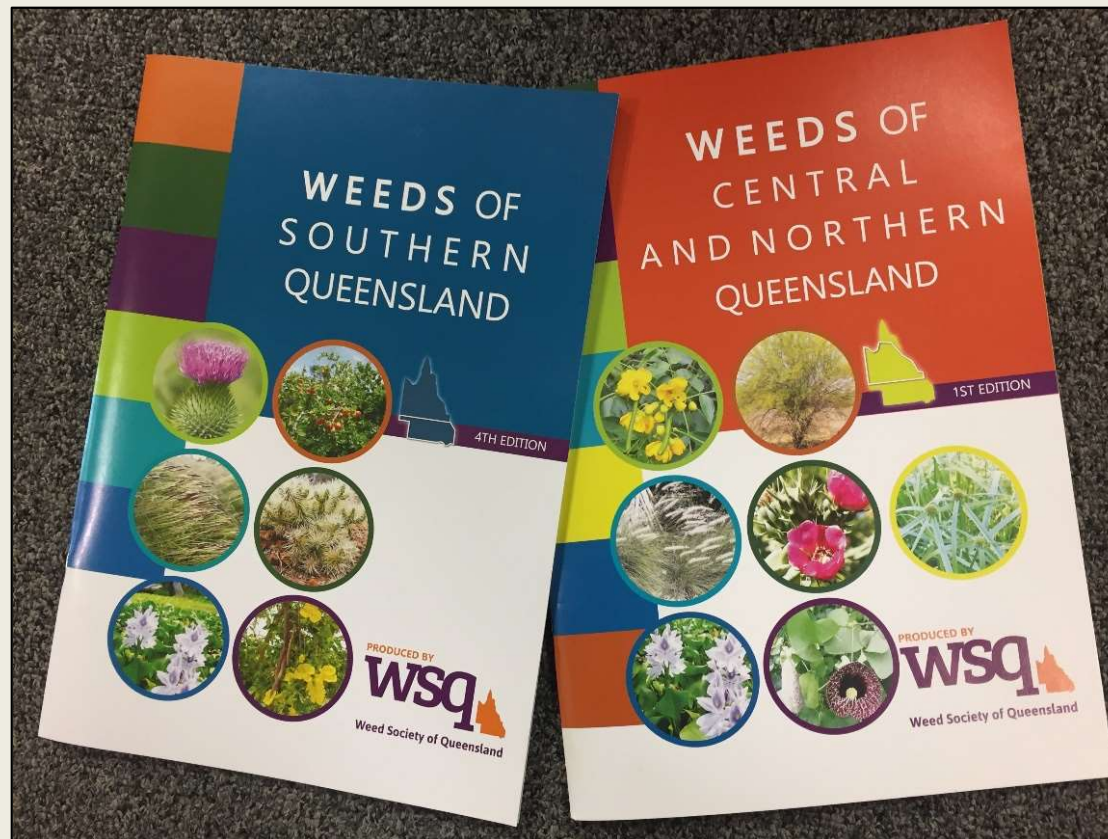


The Weeds of publications.

Weeds of Southern Qld; 1996, 2003, 2011, 2018



Weeds of Southern Queensland 4th Edition 2018
Weeds of Central and Northern Queensland 1st Edition 2019



Secrets to success

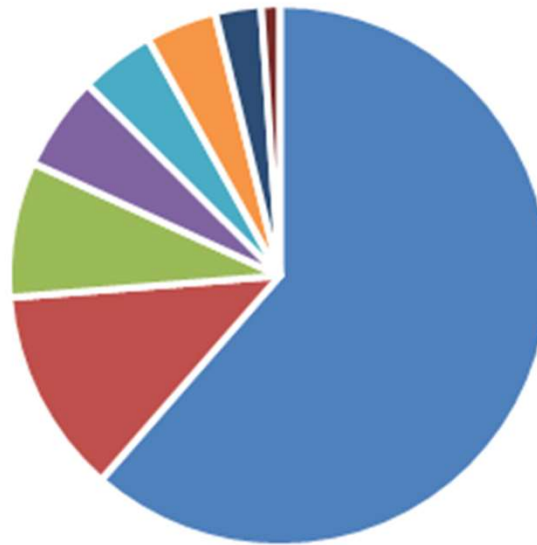
- It is still a book
- The way it is bound/size/scale
- Price point means it can be widely distributed
- Combination of ID and control information
- A well rounded working group for content
- The QR codes keep it relevant
- Keeping it relevant to the target audiences
- Well supported financially due to preprint sales.

Secrets to success – working group



Who buys it?

Sectors who purchased the books



- Local Government
- Regional NRM
- State Government
- Energy/Mining/Resources
- Industry
- Private
- Training/Education
- Landcare

Who buys it?

Sectors who purchased	
Local Government	49126
Regional NRM	9812
State Government	6468
Energy/Mining/Resources	4510
Industry	3564
Private	3388
Training/Education	2200
Landcare	880
TOTAL	79948

How do you use it? Growth habit

Plant groups

In the weed identification section, plants have been divided into six groups. Each group reflects a weed growth habit and is easily identified by the colour down the side of each page. The groups are:

Woody Weeds

Cacti & Succulents

Vines

Groundcover & Herbs

Grasses

Aquatics

How do you use it? icons



A biological control is available for this plant in Australia. A biological control can be an insect or pathogen that affects the health of the host plant.



This plant has some known toxicity, see notes below on toxicity.



This plant is prohibited and needs to be reported within 24 hours (call 13 25 23).



This plant is restricted and is a category 2,3,4 & 5 which needs to be reported within 24 hours (call 13 25 23).



This plant is restricted and is a category 3.

How do you use it? contents pages

		Woody Weeds	Cacti & Succulents	Vines	Groundcover & Herbs	Grasses	Aquatics
COMMON NAME	SCIENTIFIC NAME	GROUP			RESTRICTED/ PROHIBITED	CONTROL	ID
firethorn	<i>Pyracantha</i> spp.	W				51	10
fireweed	<i>Senecio madagascariensis</i>	H			R3	51	24
flannel weed	<i>Sida cordifolia</i>	H				52	24
flaxleaf fleabane	<i>Erigeron bonariensis</i>	H				52	25
gamba grass	<i>Andropogon gayanus</i>	G			R3	52	32
giant rat's tail grass	<i>Sporobolus pyramidalis</i> , <i>S. natalensis</i>	G			R3	52	32
golden dodder	<i>Cuscuta campestris</i>	V				53	20
golden rain tree	<i>Koelreuteria elegans</i>	W				53	10
gorse	<i>Ulex europaeus</i>	W			R3	53	11
grader grass	<i>Themeda quadrivalvis</i>	G				54	32
green Cestrum	<i>Cestrum parqui</i>	W				54	11

How do you use it? Page 7

General Biosecurity Obligation (GBO)

All Queenslanders have a 'general biosecurity obligation' (GBO) under Queensland's *Biosecurity Act 2014*.

This means that everyone is responsible for managing biosecurity risks that are:

- under their control
- that they know about, or should reasonably be expected to know about.

Under the GBO, individuals and organisations whose activities pose a biosecurity risk must:

- take all reasonable and practical steps to prevent or minimise each biosecurity risk
- minimise the likelihood of causing a 'biosecurity event', and limit the consequences if such an event is caused
- prevent or minimise the harmful effects a risk could have, and not do anything that might make any harmful effects worse.

People dealing with all invasive plants have a GBO. Additionally, the Biosecurity Act has listed certain invasive plants as either prohibited or restricted matter and these species have further legislative requirements.

How do you use it? QR codes



Lantana *Lantana camara*

Sprawling shrub to 3 m high. Opposite, ovate leaves to 8 cm long with toothed margins. Square stems carry small recurved prickles. Flowers year round in clustered heads of various colours. Berries clustered, globular, shiny black.



How do you use it? Chemical control

WEEDS OF SOUTHERN QUEENSLAND 4TH EDITION

Active Ingredient	Product Name (first registered)	Method of Application	Application Rate	Comments	Active concentration	M O A
Lantana <i>Lantana camara</i> (continued)						
aminopyralid + metsulfuron-methyl	Stinger™	Foliar spray	20 g/100 L of water + Pulse®	Wet foliage thoroughly, best results when treating young plants	aminopyralid (375 g/kg) + metsulfuron-methyl (300 g/kg)	IB
aminopyralid + picloram	Vigilant™ II	Cut stump	Neat	3-5 mm thick layer over cut surface	aminopyralid (4.47 g/L) + picloram (44.7 g/L)	I
aminopyralid + picloram + triclopyr	Grazon™ Extra	Foliar spray	350 to 750 ml/100 L of water		aminopyralid (8 g/L) + picloram (100 g/L) + triclopyr (300 g/L)	I
dichlorprop	Lantana 600	Foliar spray	500 ml/100 L of water + wetter	Wet thoroughly	dichlorprop (600 g/L)	I
fluroxypyr	Comet® 400	Foliar spray	250 or 500 ml/100 L of water	Higher rate on larger plants	fluroxypyr (400 g/L)	I
fluroxypyr	Starane™ Advanced	Foliar spray	300 to 600 ml/100 L of water	Higher rate on larger plants	fluroxypyr (333 g/L)	I
fluroxypyr	Flagship® 200	Foliar spray	500 to 1000 ml/100 L of water	Higher rate on larger plants	fluroxypyr (200 g/L)	I
glyphosate	Roundup Biactive®	Cut, scrape and paint	1000 ml + 1000 ml of water	Permit 82307 (31 Mar 2019); Permit 11463 (30 Jun 2023)	glyphosate (360 g/L)	M
glyphosate	Roundup Biactive®	Foliar spray	1000 ml/100 L of water	Wet thoroughly. Plants should not be under stress	glyphosate (360 g/L)	M
glyphosate	Roundup Biactive®	Splatter or gas gun application	1000 ml + 9000 ml of water + Pulse®	Apply 2 x 2 ml dose per 0.5 m bush height	glyphosate (360 g/L)	M

Pest Animal and Weed Symposium (PAWS) 2023

28 – 31st August in Dalby Qld

Hosted by Western Downs Regional Council

EOI to present and sponsor currently open



Organising committee for PAWS 2023

Name	Organisation
Carissa Hallinan	Western Downs Regional Council
Isabel White	Western Downs Regional Council
Mat Warren	Darling Downs Moreton Rabbit Board Warwick
Janet Barker	Echidna Consulting Toowoomba (VP ISQ)
John Cuskelly	Biosecurity Queensland – DAFF Dalby
Megan Leech	Biosecurity Qld – DAFF Dalby
Mark Cant	QPWS Dalby
Russell Warner	Ecosure Brisbane
Dennis Gannaway	Healthy Land and Water Brisbane
Melinda Laidlaw	Qld Herbarium, Brisbane
Jaymie Rains	NQ Dry Tropics, Townsville

What are my key learnings?

- Preventing the introduction of weeds is the most cost effective tool,
- Recognise the challenge of managing the impact of weeds without using tools that are also damaging,
- Are you creating a ‘weed shaped hole’?

“Manage for what you want, not what you don’t want”

Questions?

- Discussion points from anyone regarding future directions for weed management?
- Thanks for listening to me today and for being passionate enough about weeds to come along!

