

NSW Invasive Species Plan. Goal 1: Exclude

Prevent the establishment of new invasive species

1.1 High risk species and pathways identified and managed

Regional Weed Strategy. Aim: Preventative Weed Management

No new weeds naturalised over the life of the RWS

1.1.7 Identify and survey high risk areas where potential new weeds may be introduced

The purpose of this plan is to define and identify high risk (HR) pathways and sites; prevent new weeds from establishing in the Riverina through surveillance of these areas; and reduce existing weeds from spreading via HR pathways.

Pathways

The means by which a weed moves e.g. wind, water, animals and by humans.

As defined in the NSW Invasive Species Plan 2008-2015

According to the final report of the *Pathway risk analysis for weed spread within Australia*, the sources and pathways that currently pose the greatest impact risk are “Trade in Fodder, Ornamental plants and Aquarium plants, contamination of Agricultural produce and Machinery and vehicles and natural Water movement”.

HR pathways that travel through the Riverina (but are not limited to): Machinery, vehicles, headers, slashers, boats, water, plants and animals. HR routes have been identified across the Riverina. We hope to inspect where **HR pathways** have been if we are unable to intercept them on the following routes:

HR Pathway	Route the vector travels	
Machinery / slashers / vehicles / headers	Roads	Roads (freeways, highways, local, unsealed roads etc)
Water / Boat / Trailer	Watercourses	Rivers / Creeks / Irrigation channels
Trains / Vehicles / Animals / Humans	Infrastructure Lines	Railway corridors / Telephone lines / Power lines / Gas lines

HR sites identified:

Landscape / gravel suppliers	Pet shop/aquarium suppliers
Saleyards	Lakes/reservoirs/dams
Airports	Wetlands/billabongs/marsh areas
Rest areas	Travelling Stock Routes / Reserves
Bridge crossings / boat ramps	Public recreation areas – with high volumes of non local traffic
Nursery and garden industry retailers (including interstate retailers & suppliers)	

HR pathways & sites have been identified across the Riverina region by Local Control Authorities (LCAs) and prioritised according to previous incursions and potential risk, using the following definitions.

Prioritising HR pathways and sites:

High priority pathways & sites	Historically new incursions have <u>frequently</u> been found along this pathway or at this site AND/OR in the LCAs opinion, <u>potential</u> for a new incursion to occur here in the future is <u>high</u> .
Medium priority pathways & sites	Historically new incursions have <u>occasionally</u> been found along this pathway or at this site AND/OR in the LCAs opinion, <u>potential</u> for a new incursion to occur here in the future is <u>medium</u> .
Low priority pathways & sites	Historically new incursions have <u>rarely</u> been found along this pathway or at this site AND/OR in the LCAs opinion, <u>potential</u> for a new incursion to occur here in the future is <u>low</u> .

Management response required at each identified HR pathway and site:

High frequency of inspections	HR pathways & sites inspected 3 or more times per annum
Medium frequency of inspections	HR pathways & sites inspected 1-2 times per annum
Low frequency of inspections	HR pathways & sites inspected annually at the discretion of the LCA

The individual stakeholder results are detailed in a separate list (WAP HR pathways & sites database) to be updated as new pathways and sites are identified; and or amended as sites are no longer deemed to be HR.

Regional Action Plan:

OBJECTIVES	ACTIONS	PERFORMANCE INDICATORS	WHO'S RESPONSIBLE
1. Review HR pathways & sites database	1. LCAs provide RWCC with new or old pathways & sites to be added or removed from the database	Database updated as new or old pathways & sites are identified	RWCC, LCAs
	2. Develop maps to better display identified HR pathways & sites	Maps developed & updated as needed	RWCC
2. Reduce the spread of weeds along HR pathways	1. Implement Regional inspection policy that ensures consistency for effective weed management & standardised enforcement	WAP 1.2.3 Regional inspection policy being implemented	RWCC, LCAs
	2. Implement Rapid Response Plan that ensures a consistent approach to the management of new incursions of HR species	WAP 2.2.1 Rapid response plan being implemented	RWCC, LCAs, LLS

	3. Implement New Incursion Plan – HR Species that ensures a consistent approach and response to the surveillance, identification and management of all HR species	WAP 1.2.2 NIP – HR species being implemented	RWCC, LCAs, LLS
	4. Undertake coordinated surveillance activities for HR species. Eg: AW WEDD	WEDD trialed in AW detection. Number of surveys undertaken	LCAs, RWCC, WEDD
	5. Regional HR pathway inspections carried out (in kms) 2.1.1.1	More than 110,000kms inspected under the Riverina WAP by 30/06/2020	all Riverina WAP partners
	6. Regional HR site inspections carried out (# sites) 2.1.1.3	More than 6,000 HR sites inspected under the Riverina WAP by 30/06/2020	all Riverina WAP partners
	7. Install Red Guide Posts (RGP) along roadsides to identify weed locations & avoid further spread along our HR routes.	RGP installed as HR species are detected along our roadsides.	LCAs, LLS, RMS
	8. Implement MERI plan	WAP 4.6.1 MERI Plan being implemented	RWCC, LCAs, LLS
3. Ensure stakeholders are aware of HR pathways	1. Implement communication strategy that outlines major communication, extension, training & education activities	WAP 4.3.1 Communication Plan and Vehicle hygiene protocol being implemented	RWCC, LCAs, LLS

Linkages

- High Risk Pathways and Sites WAP database
- NSW Invasive Species Plan 2018-2021
- New Incursion Plan – High Risk Species WAP 1.2.2
- Regional Inspection Policy WAP 1.2.3
- NSW DPI Metadata Standards for reporting into BIS
- Sindel, B. Meulen, A. Coleman, M & Reeve, I. (2009) *Pathway risk analysis for weed spread within Australia*. Land & Water Australia.
- Rapid Response Plan WAP 2.2.1
- High Risk Species WAP 1.2.1
- Murray RSWMP 2017-2022
- Riverina RSWMP 2017-2022

Case Study: Exclude – High Risk Pathways – *Kochia scoparia*



NSW WEEDS ACTION PROGRAM

Performance point

June 2017

Project details

Riverina Weeds Action Program

Exclude - High Risk Pathways - *Kochia scoparia*

Performance overview

Our High Risk Pathways and Sites Management Plan was developed for the Riverina Weeds Action Program. The purpose of this plan is to define and identify high risk (HR) pathways and sites; prevent new weeds from establishing in the Riverina through surveillance of these areas; and reduce existing weeds from spreading via HR pathways.

In May 2015 a concerned resident notified Wagga Wagga City Council (WWCC) Weed Officer of *Kochia scoparia* (*K. scoparia*) being advertised for sale on a local Facebook page.

K. scoparia is a **State Prohibited Weed** in NSW. It is also **prohibited entry** into Australia (Condition C10686).

Activities completed

- WWCC Weed Officer contacted Bland Shire Council (BSC) Weed Officer as the pickup location was in Barmedman (Bland Shire).
- BSC seized approximately 4,000 *K. scoparia* seeds (4 packets) from a cooperative Barmedman resident.
- Further investigation identified approximately 10,000 seeds had been purchased online from China on the 27th March 2015 and imported as *K. scoparia*.
- The goods were received within 2 weeks and subsequently advertised for sale on a local Facebook page. No seed had been sold. The resident burnt the other seed when informed of its status by a third party.
- Seized *K. scoparia* seeds handed over to Australian Government Department of Agriculture 16/6/15 and destroyed as biosecurity waste.

Outcomes

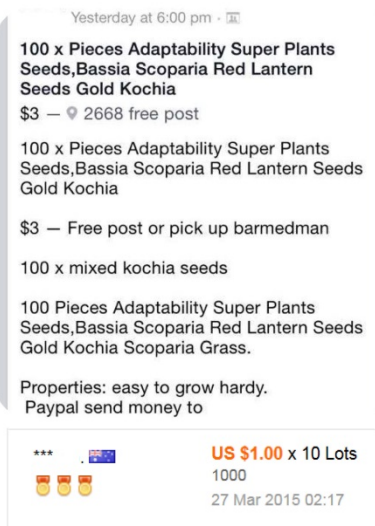
- Entire infestation captured before it hit the ground!
- Establishment of State Prohibited weed prevented.



Further information

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Images: **Top (BSC)** – one of the 4 packets of *Kochia* seed seized; **Middle top** – Facebook post selling the *Kochia* seed; **Middle bottom** – Transaction history of Australian purchase on the Chinese Website; **Bottom left (BSC)** Noel Bradford, Department of Agriculture (right) receiving imported *Kochia* seed that was apprehended by BSC Noxious Weeds Control Officer Grahame McCubbin. **Bottom right (BSC)** – seized material: Great catch by Riverina Weeds Officers!



ISP Goal 1: Exclude

...NSW Weeds Action Program – Performance point