

AN INITIATIVE OF
Making More From Sheep



PestSmart

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EVENT
PARTNERS:



EVENT
SUPPORTERS:



STATE
PRIMARY
INDUSTRY
AGENCIES

This Presentation

- **www.feral.org.au**
- PestSmart Toolkits
- PestSmart Roadshows
- New toxins
- Product Pipeline
- Best Practice Indicators
- Strategic Pest Animal Management



- [Pest Species](#)
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Home

Many vertebrate pest species are found throughout Australia and New Zealand. Feral animals threaten our rich biodiversity, adversely affect our landscapes and waterways, and have severe economic and social impacts. This website and database contains information on vertebrate pest animal species in Australia and New Zealand. Browse the site for general information or use the search function for more specific results.

Features of this site:

- Searchable database:** information on vertebrate pests in Australia and New Zealand including research, management strategies, images, websites, reports and more.
- PestSmart toolkit:** designed to provide information and guidance on best-practice invasive animal management to policy makers, managers and implementers.
- Species pages:** fact sheet information and links to image galleries, distribution maps and other resources for the major vertebrate pest species in Australia.
- Teaching Resources:** [Feral Focus](#) and [Pest Tales](#) – curriculum based educational resource developed for secondary and primary school teachers and their students.
- islandNet:** facilitating conservation management of Australia's offshore islands by sharing knowledge between people interested in island conservation.
- PestMaps:** provides access to various maps that report information on the occurrence, distribution and abundance of significant invasive animal species throughout Australia.

Search our References Database 

Partners

- [IA CRC](#)
- [VPC](#)
- [BRS](#)
- [IAE](#)

SHARE 

PestSmart Toolkits

- Package of information
- IA CRC's 7-years of research
- Best-practice pest management, practical planning and control
- Aimed at end-users
- Not limited to IA CRC information / projects
- Tiered approach.



What's in the toolkits?

- ‘know thy enemy’ stuff for key species
- new & emerging species
- General information – fact sheets
- Management info. – best practice guidelines, case studies, decision support tools
- Policy & planning – regional plans, legislation, risk assessments, SOPS, COPS
- Research papers technical reports, FAQs
- Technique videos



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- IAE

 SHARE    ...

- Home

- Pest Species

- PestSmart Toolkit
 - By pest species
 - Information for
 - By document type

- Policy and Programs

- Animal Welfare

- Social Issues

- islandNet

- Image Gallery

- FeralScan

- PestMaps

- Education & Training

PestSmart Toolkit

The *PestSmart Toolkit* is designed to provide information and guidance on best-practice invasive animal management to policy makers, managers and implementers.

This end-user centered suite of products is being developed by the [Invasive Animals Cooperative Research Centre](#) (IA CRC) as the culmination of seven years of research and development over a diverse range of projects.

PestSmart will provide comprehensive management information packages on several key vertebrate pest species including rabbits, wild dogs, foxes, feral pigs, feral cats, carp, and tilapia. Information will be provided in various forms such as fact sheets, case-studies, technical manuals and scientific reports.

This section also provides information and links to specific resources in the [feral.org.au](#) database on themes such as [animal welfare](#), [vertebrate pest policy](#), [social issues](#) and [risk assessment](#).

- [Information about](#) browse PestSmart Toolkit publications by pest species
- [Information for](#) browse PestSmart Toolkit publications relevant to land managers, NRM managers or policy makers
- [Info by document type](#) browse PestSmart Toolkit publications by document type

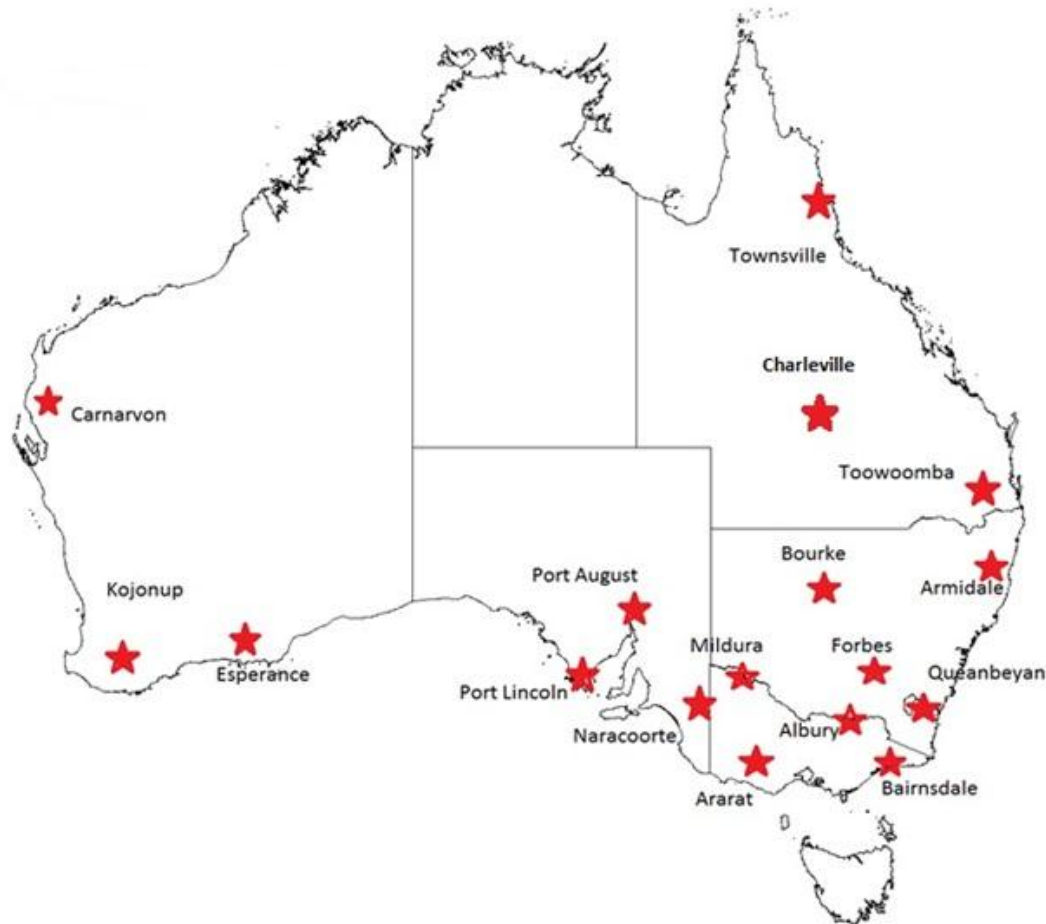
This section is currently under construction. Please check back regularly for updates.

PestSmart Roadshow

- PestSmart toolkits will form the basis of a nationwide PestSmart Roadshow
- February / March / April 2012
- directly demonstrate the use and benefits of the new products to land managers and farmers.



PestSmart Roadshow locations 2012



New Toxins should be....

- Safe for humans
- Highly toxic to target species
- Bait deliverable
- Humane
- Low or no residues
- Biodegradable
- Shelf stable
- Affordable
- be target specific
- Available
- Reversible (antidote)
- Publically acceptable
- Able to be registered
- Rapid time to death

PAPP amino-propylphenone

- Wild Dog & Fox poison
- 1st new canid poison for 50 years

Sodium Nitrite

- Feral pig toxin
- Common meat preservative

How PAPP & Nitrite kill

- kill similarly to carbon monoxide poisoning
- Both chemicals induce **methaemoglobinemia**
- starved of oxygen, exhibits ‘unremarkable’ death

30 minutes in unsteadiness

Some will vomit

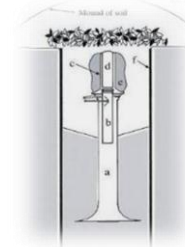
Laboured breathing loss of consciousness

Death about 1 ½ from bait take






Antidote

- The body can naturally fight nitrite using an enzyme called *methaemoglobin reductase*
- pigs are particularly low in this enzyme
- Foxes, dogs and cats more susceptible than herbivores
- Antidote – methylene blue (Blue Healer)

Product	Benefits	Availability*
Wild dogs / Red foxes		
DOGABATE® FOXECUTE®	PAPP – a new predacide, humane, Blue Healer™ antidote.	Late 2012
Mechanical ejectors	Cyanide version used in USA for 40 years. 1080, cyanide and PAPP versions likely. High target specificity and good field longevity.	Late 2012
Lethal Trap Device (LTD; green tube)	Contains cyanide- rapidly euthanizes trapped dogs and foxes, improving animal welfare and reducing labour requirements. Export potential.	Late 2012
Blue Healer™ - PAPP and nitrite antidote	Save accidentally poisoned dogs or wildlife. IV injection and oral product for vets, oral product can also be used by dog owners. Export potential.	Mid 2012



Feral pigs

<p>PIGOUT®</p>	<p>The world’s first manufactured feral pig bait. Easy to use, shelf stable, high target specificity, internal 1080 core.</p>	<p>Launched March 2008</p>	
<p>HogHopper™</p>	<p>Target specific, peace of mind feral pig baiting, reduced labour requirements, protects manufactured or grain bait. Export potential.</p>	<p>Launched December 2010</p>	
<p>PIGOUT® Econobait</p>	<p>Bite-sized, cheaper 1080 bait to use in HogHopper™’s. Longer hopper longevity and easier to use than grain.</p>	<p>Late 2012</p>	
<p>HOG-GONE®</p>	<p>Humane sodium nitrite (food preservative) active ingredient, greater availability, high target specificity, low residues, Blue Healer™ antidote. Export potential.</p>	<p>Early 2013</p>	
<p>Nitrite concentrate</p>	<p>Same as HOG-GONE®, but can be applied to grain and other bait types. Export potential.</p>	<p>Late 2013</p>	

best practice indicators

- use more than one control method
- working in coordinated groups with your neighbours
- Do something before they start having an impact
- target the pest when it is most vulnerable to your control methods
- Evaluate the reduction in impacts not just the number of animals removed

Take Home Message

- The best results and satisfaction come from a strategic approach
 1. define your problem in terms of pest damage
 2. identify clear objectives in reducing the impacts of pest animals
 3. develop a plan of action
 4. implement & monitor the plan
 5. evaluate & review the plan
 6. if necessary adjust the plan and continue

Where to learn more?

- website:

www.feral.org.au

- PESTSMART ROADSHOWS

Feb/Mar/Apr 2012

- Townsville
- Charleville
- Toowoomba
 - » MLA AGM – November 17th 2011