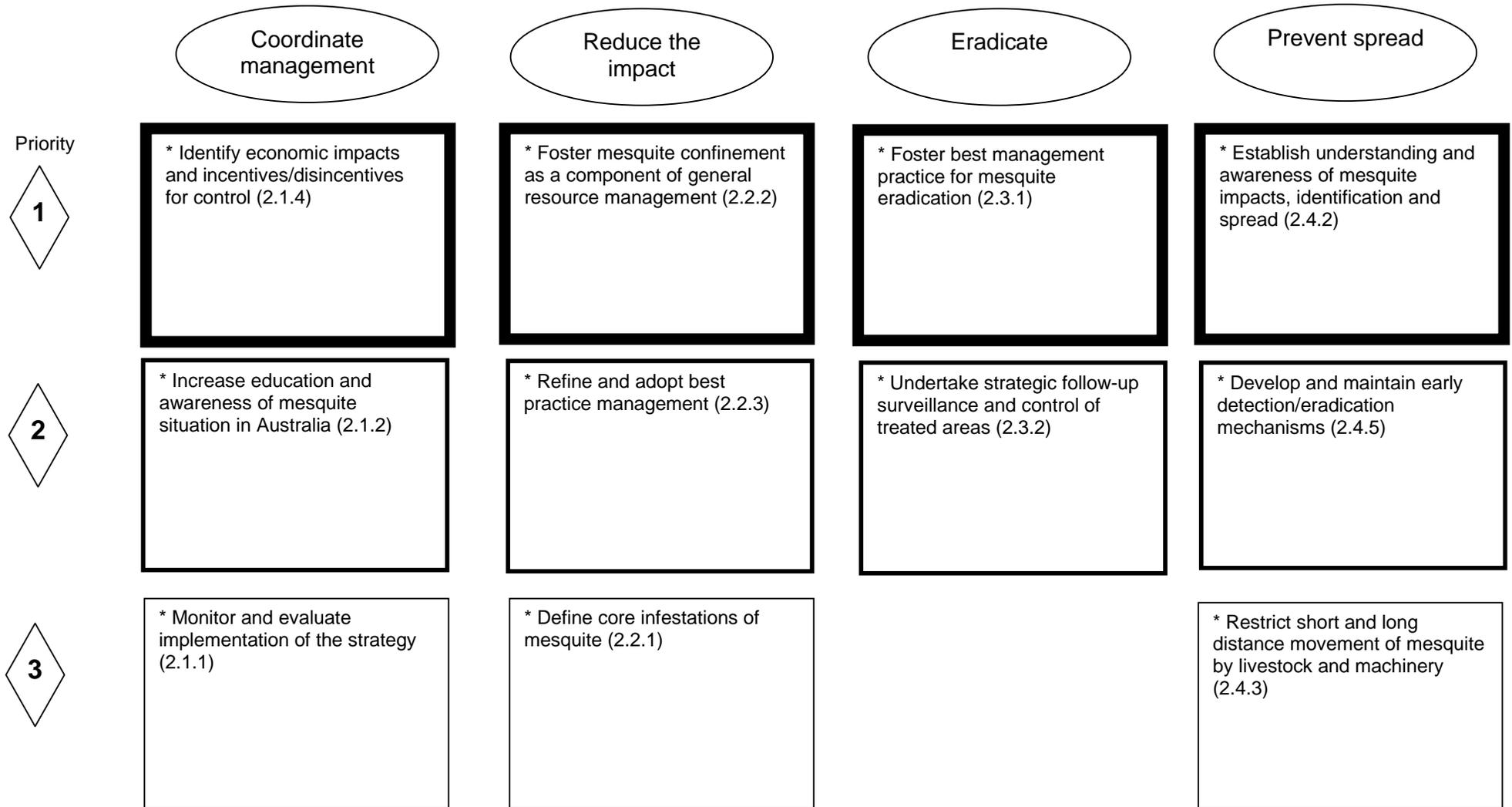


The Mesquite National Priority Action Framework



Priorities are based on the National Strategy. Numbers correspond to actions in the National Strategy. See detailed information sheet on following pages and also see the Parkinsonia National Strategic Plan for more information.

Detailed information regarding the Mesquite National Priority Action Framework

The framework is divided into 4 sections:

1. Coordinate management
2. Reduce the impact
3. Eradicate
4. Prevent spread

This document provides further detail regarding each action contained in the framework. Priorities were developed by the *National Prickle Bush Management Group* and are based on the National Strategy. Numbers correspond to actions in the National Strategy. Please see the *Mesquite National Priority Framework* for more information regarding boneseed.

Coordinate management

Priority 1

- **Identify economic impacts and incentives/disincentives for control (2.1.4)**
Assess eradication economics at different scales, determine benefits and costs of mesquite control, update economic impacts.

Priority 2

- **Increase education and awareness of mesquite situation in Australia (2.1.2)**
Implement a national education and awareness program & produce extension materials.

Priority 3

- **Monitor and evaluate implementation of the strategy (2.1.1)**
Evaluate progress and outcomes, revise the strategies.

Reduce the impact

Priority 1

- **Foster mesquite confinement as a component of general resource management (2.2.2)**
Develop confinement plans for core areas, promote establishment of clean areas within the core infestations.

Priority 2

- **Refine and adopt best practice management (2.2.3)**
Undertake best practice trials especially in relation to hybrid mesquite, update and publish best practice publications, improve ecological understanding of mesquite.

Priority 3

- **Define core infestations of mesquite (2.2.1)**
Document, map and regularly review core areas, investigate mapping technologies including remote sensing.

Eradicate

Priority 1

- **Foster best management practice for mesquite eradication (2.3.1)**
Survey & map outlying infestations, develop distribution maps, implement eradication projects outside core areas, conduct control training, refine best practice, develop eradication plans.

Priority 2

- **Undertake strategic follow-up surveillance and control of treated areas (2.3.2)**
Undertake regular surveys of treated areas, provide follow-up assistance and resources.

Prevent the spread

Priority 1

- **Establish understanding and awareness of mesquite impacts, identification and spread (2.4.2)**
Determine importance of spread vectors, document impacts and potential spread, implement awareness activities.

Priority 2

- **Develop and maintain early detection/eradication mechanisms (2.4.5)**
Maintain an eradication capability, regular surveys, early detection and reporting mechanisms.

Priority 3

- **Restrict short and long distance movement of mesquite by livestock and machinery (2.4.3)**
Mesquite spread prevention protocols including stock hygiene and washdown facilities, risk assessment to determine likely spread, monitoring tools.

Strategic control - priorities

As all non-core infestations are feasible to control, all mesquite infestations outside of Hughenden Qld and the Pilbara WA are considered a very high priority for strategic control.

Strategic control	Priority
Western New South Wales	Very high
South Australia	Very high
WA Kimberley & Gascoyne	Very high
Northern Territory	Very High
Western Qld hybrid	Very High
Qld Western	Very High
Qld Coastal	Very High
Qld Gulf	Very High
Qld Southern	Very High
Qld Hughenden	Medium
WA Pilbara	Medium

Capacity building/best practice trials and promotion - priorities

Region/area	Priority
Core areas – Pilbara, Quilpie, McKinlay, Hughenden	High
All other outlier infestations	Medium

Research priorities

Research focus	Priority
Management of hybrid mesquite	High
Cost-benefit analysis including production and environmental impacts	High
Biological control	Medium
Modelling integrated management	Medium
Taxonomy of mesquite in Australia	Medium