

Parkinsonia & its control

Nathan March



Introduction



Stems, leaflets & thorns

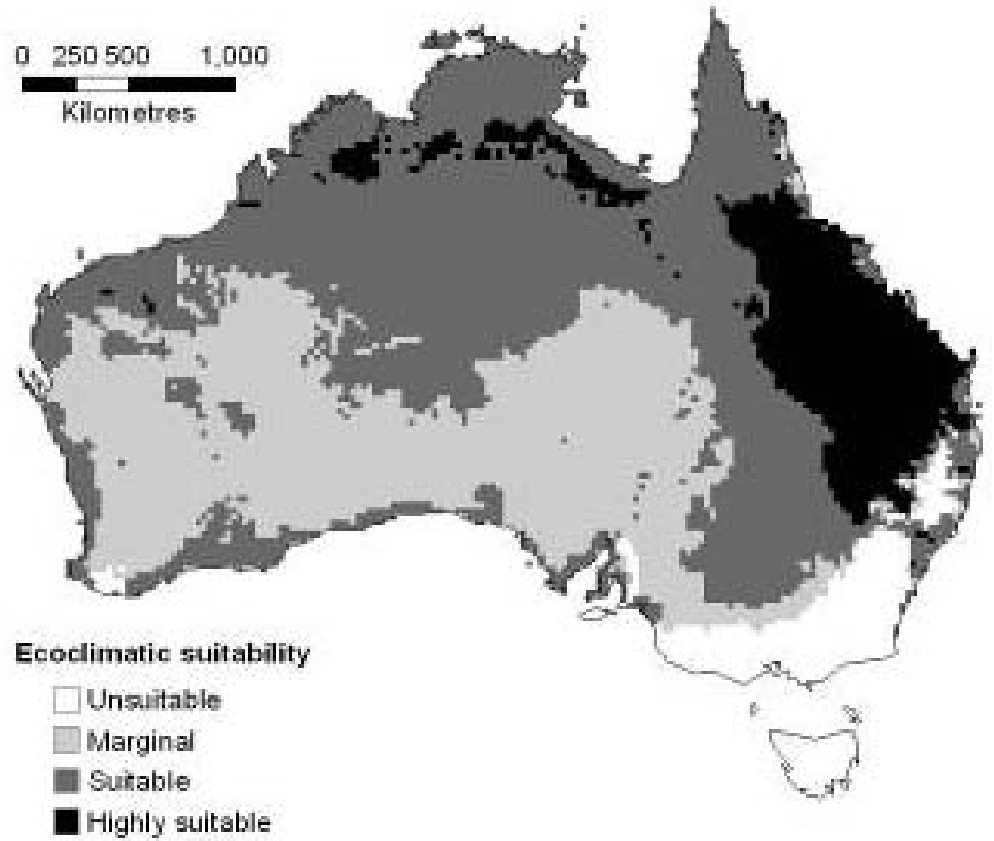
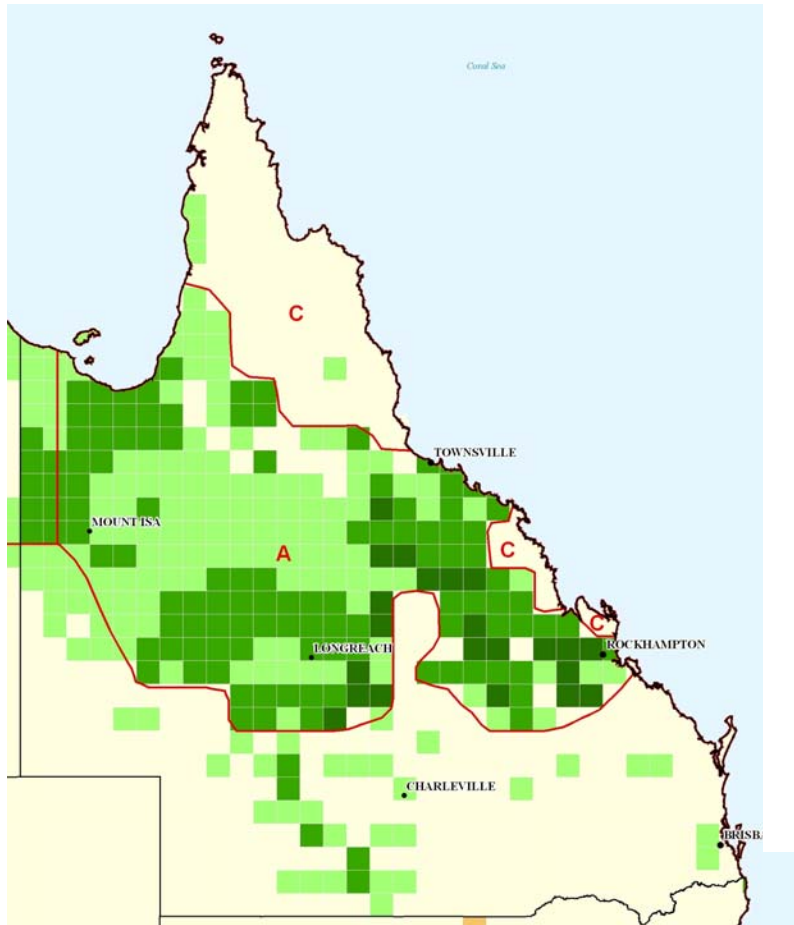


Impacts





Threat



Control methods

- **Herbicides**
- **Fire**
- Mechanical
- Biological control

Herbicide application

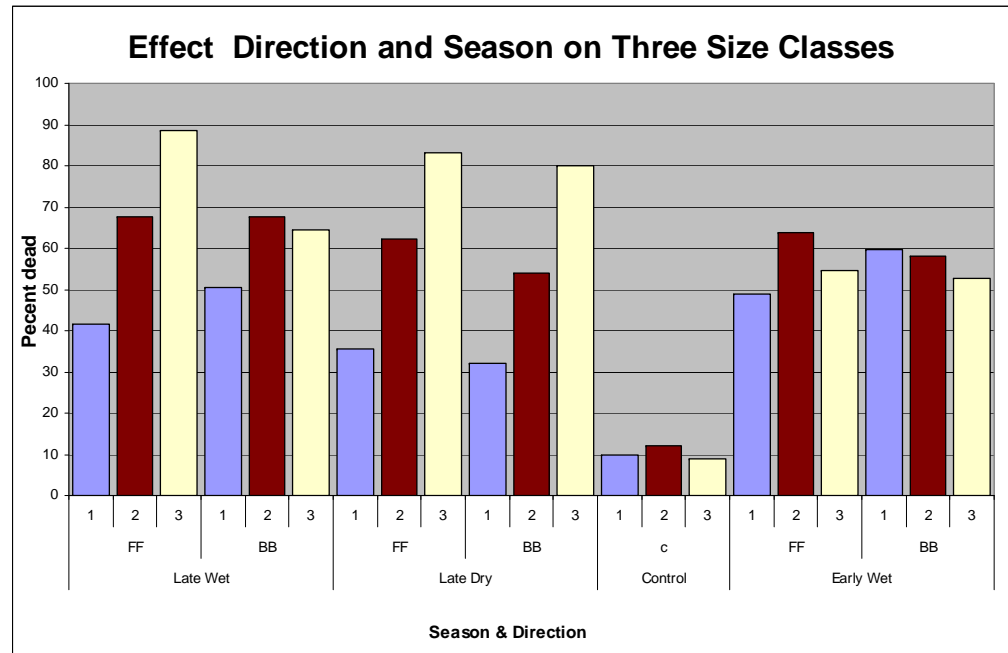
- Primary methods
 - Basal bark spraying
 - Cut stump application



- For consideration
 - Soil applied herbicides
 - Foliar spraying
 - Aerial spraying

Fire

- Kill rates of 40 to 90%
- Anytime between end of wet and late dry season
- Slow moving fire provides better results



Mechanical methods

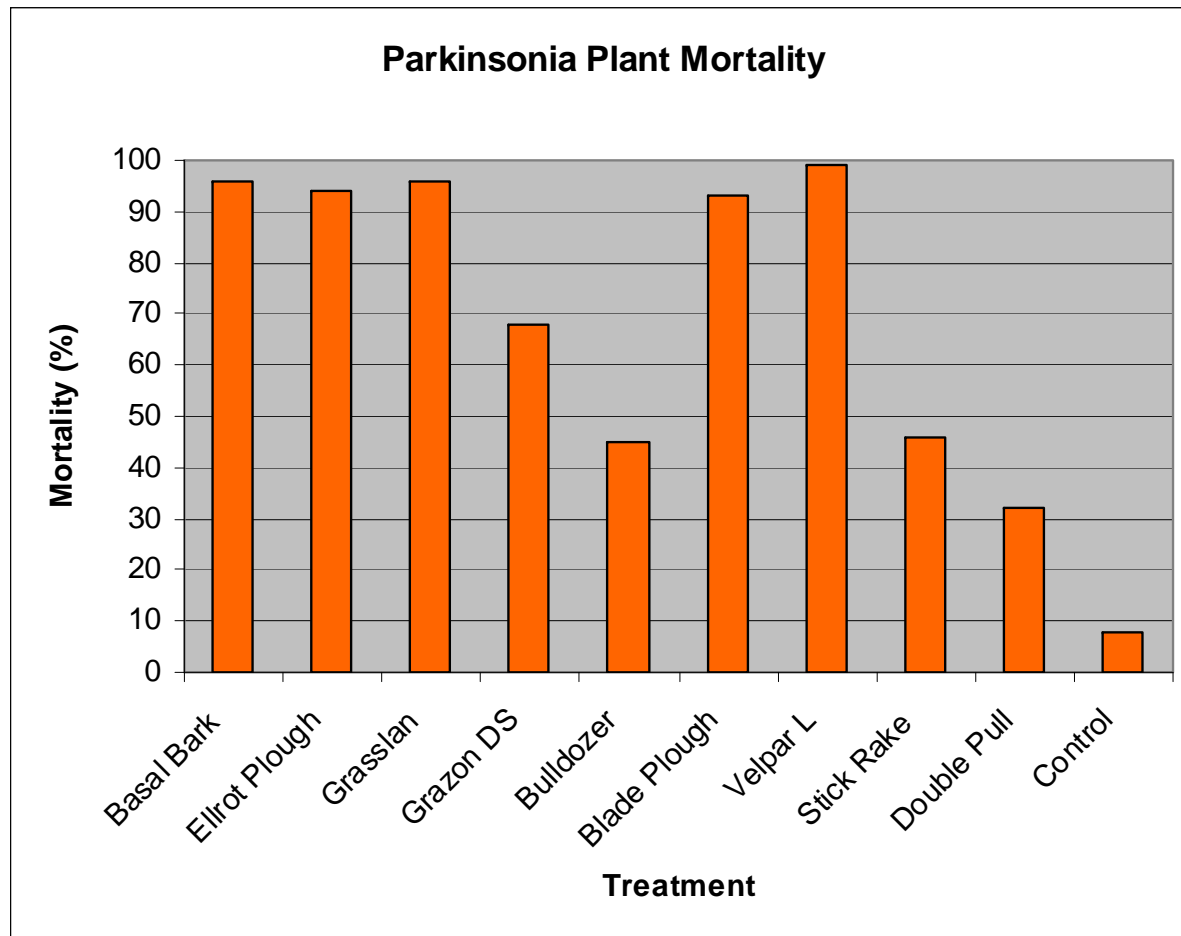
- Blade plough
- Bulldozer
- Stickrake
- Chain pulling



Biological control

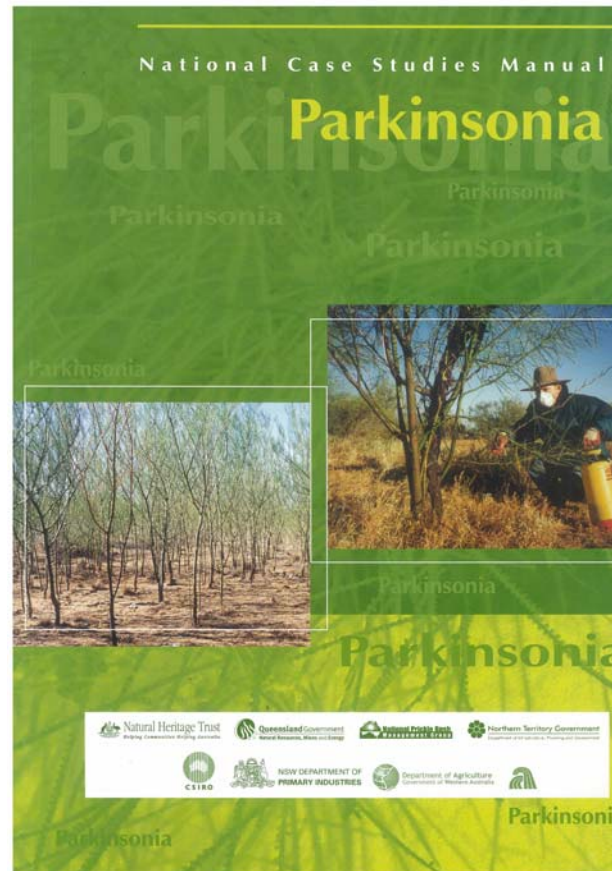


Kill rates



Acknowledgements & additional resources

- Tropical Weeds Research Centre
- CSIRO



What prickly bush is that?

Prickly acacia, mesquite, parkinsonia and mimosa - sometimes referred to as 'prickle bushes' - are four Weeds of National Significance. These prickly bushes can often be confused with each other. Likewise, they may be confused with other native trees and shrubs and the naturalized shrub, mimosa bush. Land managers should correctly identify any potential weed before considering control measures.

Mesquite	Prickly acacia	Parkinsonia	Mimosa	Mimosa bush
Tree Up to 10 m tall, long, thin, spreading branches, many upright or slightly drooping.	Tree Up to 10 m tall, long, thin, spreading branches, many upright.	Tree Up to 10 m tall, long, thin, spreading branches, many upright.	Tree Up to 10 m tall, long, thin, spreading branches, many upright.	Tree Up to 10 m tall, long, thin, spreading branches, many upright.
Flowers Cyan to magenta, 1-2 cm across.	Flowers Yellow, 1-2 cm across.	Flowers Yellow, 1-2 cm across.	Flowers Yellow, 1-2 cm across.	Flowers Yellow, 1-2 cm across.
Leaves Compound, 1-2 m long, 1-2 m wide.	Leaves Compound, 1-2 m long, 1-2 m wide.	Leaves Compound, 1-2 m long, 1-2 m wide.	Leaves Compound, 1-2 m long, 1-2 m wide.	Leaves Compound, 1-2 m long, 1-2 m wide.
Leaflets 2 to 10 pairs of leaflets.	Leaflets 2 to 10 pairs of leaflets.	Leaflets 2 to 10 pairs of leaflets.	Leaflets 2 to 10 pairs of leaflets.	Leaflets 2 to 10 pairs of leaflets.
Seed Hard, smooth, 1-2 cm long, 1-2 cm wide.	Seed Hard, smooth, 1-2 cm long, 1-2 cm wide.	Seed Hard, smooth, 1-2 cm long, 1-2 cm wide.	Seed Hard, smooth, 1-2 cm long, 1-2 cm wide.	Seed Hard, smooth, 1-2 cm long, 1-2 cm wide.
Control Mechanical, chemical, biological.	Control Mechanical, chemical, biological.	Control Mechanical, chemical, biological.	Control Mechanical, chemical, biological.	Control Mechanical, chemical, biological.