

# An Introduction to on-farm Revegetation

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#### Does your revegetation look like this?





# Introduction

- Getting started
- Seed and seedlings
- Site preparation and establishment techniques
- Commonly encountered problems
- More information
- Summary

## Selecting suitable options

Site factors

Species selection: knowledge and understanding

Confine vour Squirencents

Planning for 2008	Sept 08	Oct 08	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Ap 09	May 09	Ju 09	Jul 09	Aug 09	Sept 09
Site selection and inspection	Inspect sites while winter growth is still a good indicator of site conditions		Re	eve	ge	etat	ion	tin	neli	ne			
Finalise 2008 seedling orders		Finalise orders											
Seed collection	Collect a se			[1]									
Rabbit control				Bait trails, warren fumigation									
Planning			Mark ou	ıt sites, plan plan rij		rogram,							
Ripping & Mounding							complete r	Site preparation works, complete ripping and mound if necessary					
Weed control					Conti	rol summer necessar				Pre planting control of winter weeds according to prescription			Post planting control if requ'd
Hand planting										Sandy or gravelly upper slope areas first (June), mid slope. <sup>[3]</sup> then heavy soil, lower slope areas			
Machine planting										Sandy or gravelly upper slope areas first (June), mid slope. <sup>[4]</sup> then heavy soil, lower slope areas			
Fencing							Commence erect stra	-					sh fencing er planting
INSECT [3] F	🖾 Hiantino times may varviaccordino to raintali. Diantino times will also de silontiv later than theinerdicide application 👘 👘 👘 👘									in	heck for sect pest lamage.		

#### Seed – the key to success









# Seed: where it all starts

"In a forest plantation, a genetically poor tree will continue to produce below the potential of the land and climate resource for as long as it occupies the site..



# Nursery seedling quality



#### Do your seedlings look like this?



. or would you prefer this?

....or this?



# Vermin control

There is no such thing as a

2 FON

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Image courtesy of Dept of Agriculture and Food

#### Weed control









It's not what equipment you have, it's if you use it

#### Consequences of poor weed control

#### More consequences

F

#### ....and more still

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# Establishment

Ripping with proper equipment Good initial weed control Mounding if necessary Planting at the appropriate time Planting to an appropriate quality Post planting weed and pest control

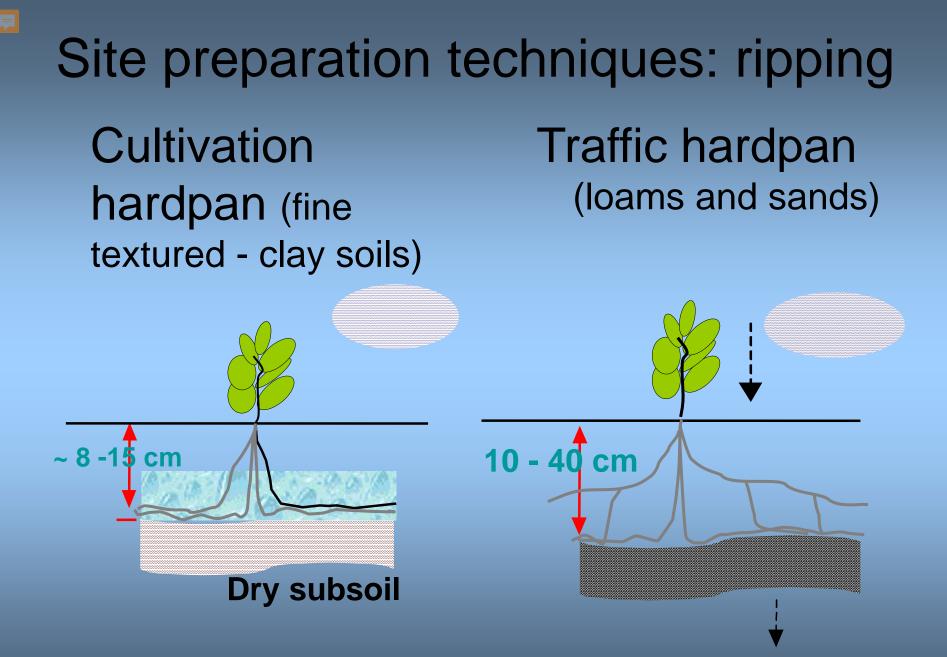
# **Planting options**

#### Machine planting

JP - 984



# Direct seeding



### **Ripping options and problems**

- Sink Att 14



#### Other ripping machinery









# Mounds and machinery











#### Moundploughing: Why is it used in revegetation?



- Cultivation effect (including reducing bulk density)
- Concentration of topsoil; increasing the availability of nutrients.
- Raises soil and allows construction of a flat smooth surface.
- Safer herbicide use (seedlings and environment).
- Waterlogging management.
- Harvests water when on the contour.
- Increases the similarity of the site

# Post planting

Fences - stock protection

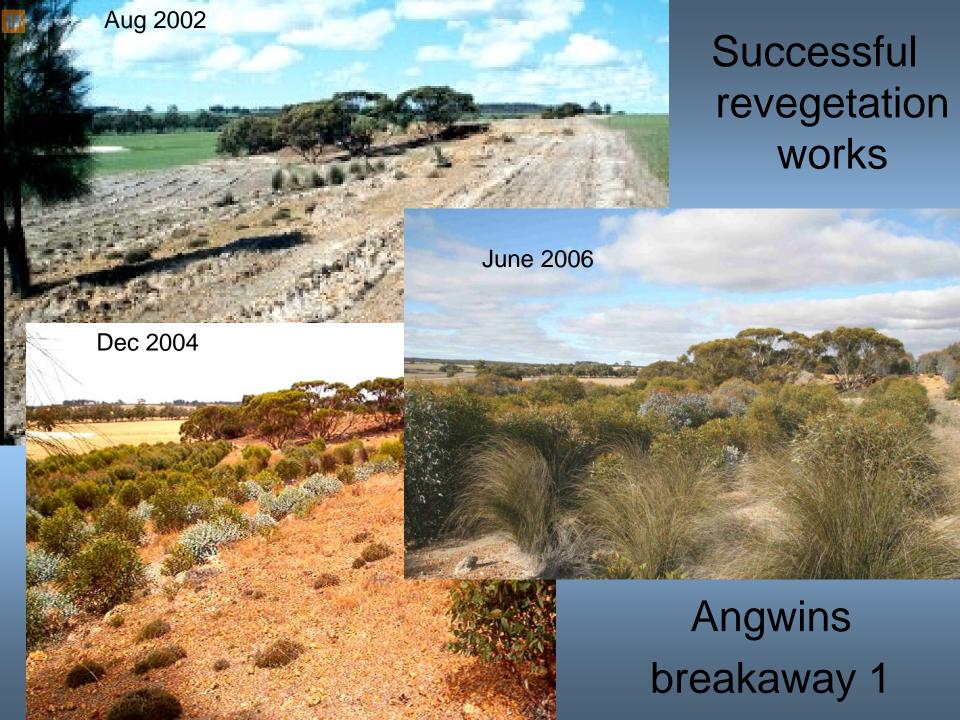
- vehicle movement

Weeds and fire

Insects

# Q. What's been killing your trees?

# A. The usual suspects

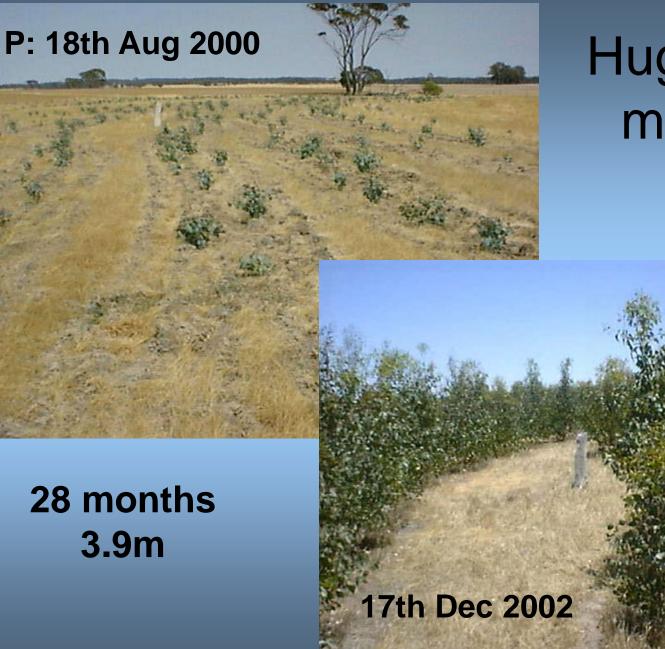


#### Angwins breakaway 2

Dec 2002

the have

June 2006



# Hughes oil mallees

## Quenchinup sheoak



Summary - or a shortcut to successful tree planting Information on revegetation works is readily available Planning / site selection / species choice Vermin and weed control Seed and seedling quality Site preparation and planting Fencing X Post planting weed and pest control

#### Thank you







We are serious about conserving the plants and animals in the landscape, and we need your help

## BROOKLANDS PARK

Edwards Family

Land for Wildlife provides individuals with advice on managing their bushland

#### Integration

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#### Management

#### Incentives

Revegetation