



# **3P's, Trees & Biodiversity: Concepts on grazing, pastures and soils**

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## Condition of grazing lands

- The capacity of land to respond to rain and produce useful forage
- Land condition is a measure of how well the grazing land ecosystem is working
- Land condition has three components...



## Lets look at some pasture plants.....

- For each plant tell us 3 things:
  1. Its name
  2. Whether stock would find it palatable
  3. What condition the paddock would be in if it was dominated by it?



# Assessing land condition

- Three components:
  - soil condition
  - pasture condition
  - woodlands condition



- Affect your ability to grow grass!



## ‘ABCD’ land condition scoring

Grazing land condition can be split into 4 broad categories:

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
<b>Good</b>	<b>Fair</b>	<b>Poor</b>	<b>Stuffed</b>





# Biodiversity and land condition

**Good land condition = greater biodiversity when key features are present**

Therefore...A working and profitable grazing operation can be in good condition for both...  
**production and biodiversity.**





# Tools to manage the grazing ecosystem and land condition

- Grazing management
- Use of fire
- Sown Pastures
- Managing tree grass balance
- Managing weeds



# Managing grazing

Keys to improving land condition:

- Stock to carrying capacity
- Give pastures some form of “rest” in the early growing season
- Promote even grazing
  - Fire
  - Water distribution
- Any good grazing system will incorporate these elements



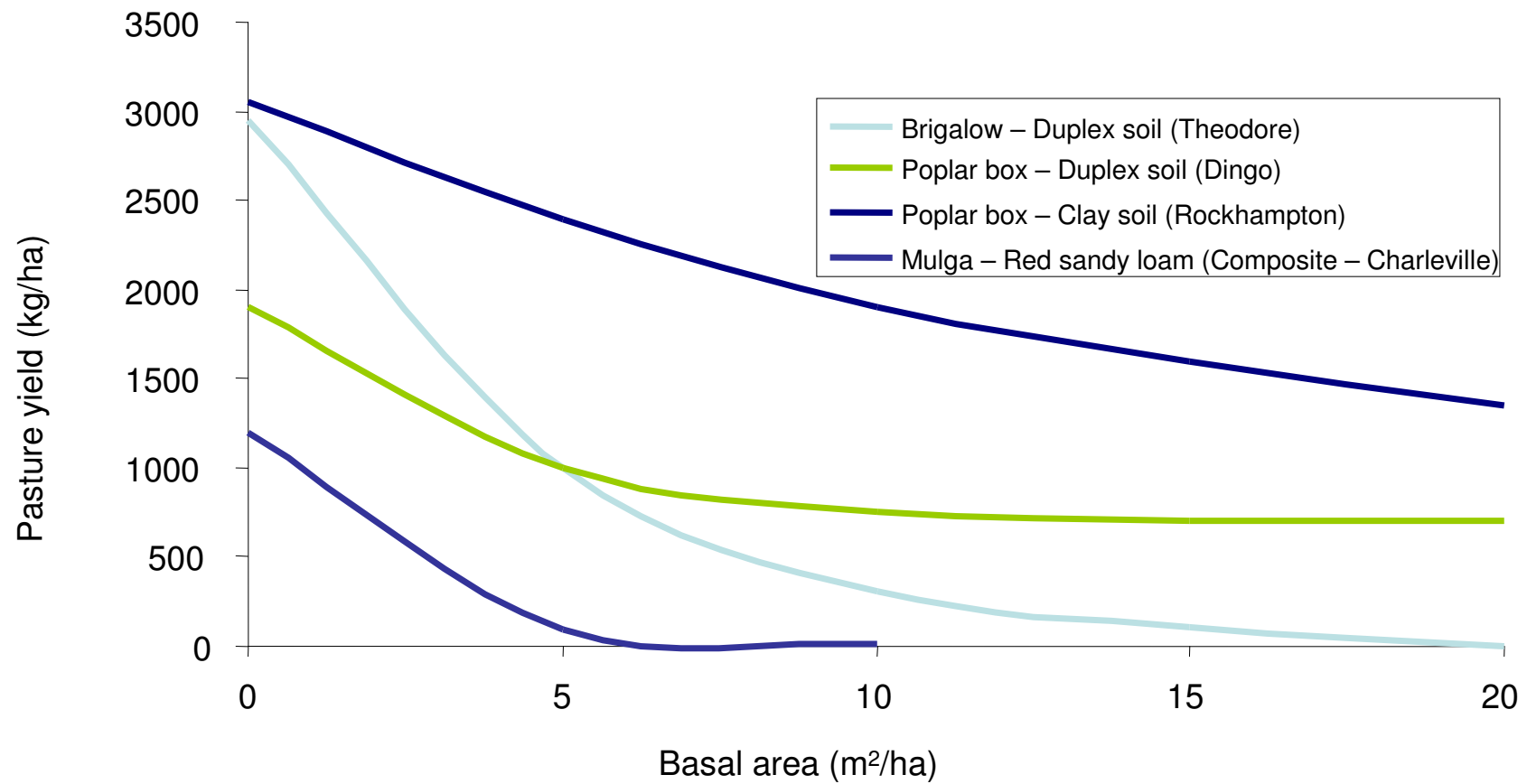


## Important components of any grazing system:

- Stock to carrying capacity (long and short term)
- Allow some spelling of pastures (particularly in the early phases of growth)
- Even up grazing
  - fire
  - water distribution
  - fencing
  - supplement placement

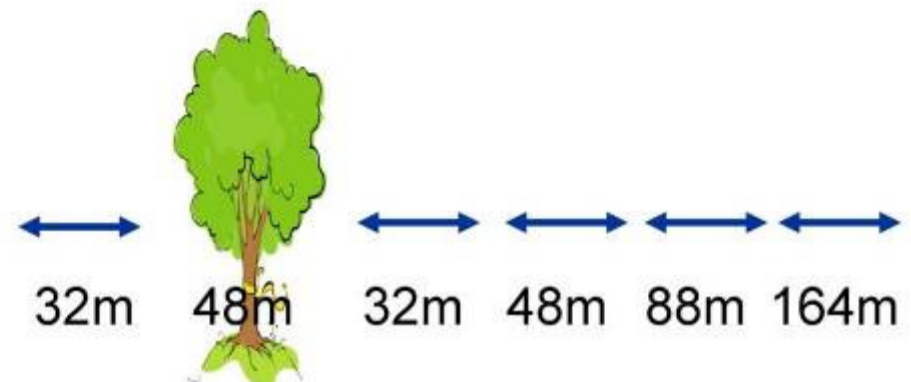
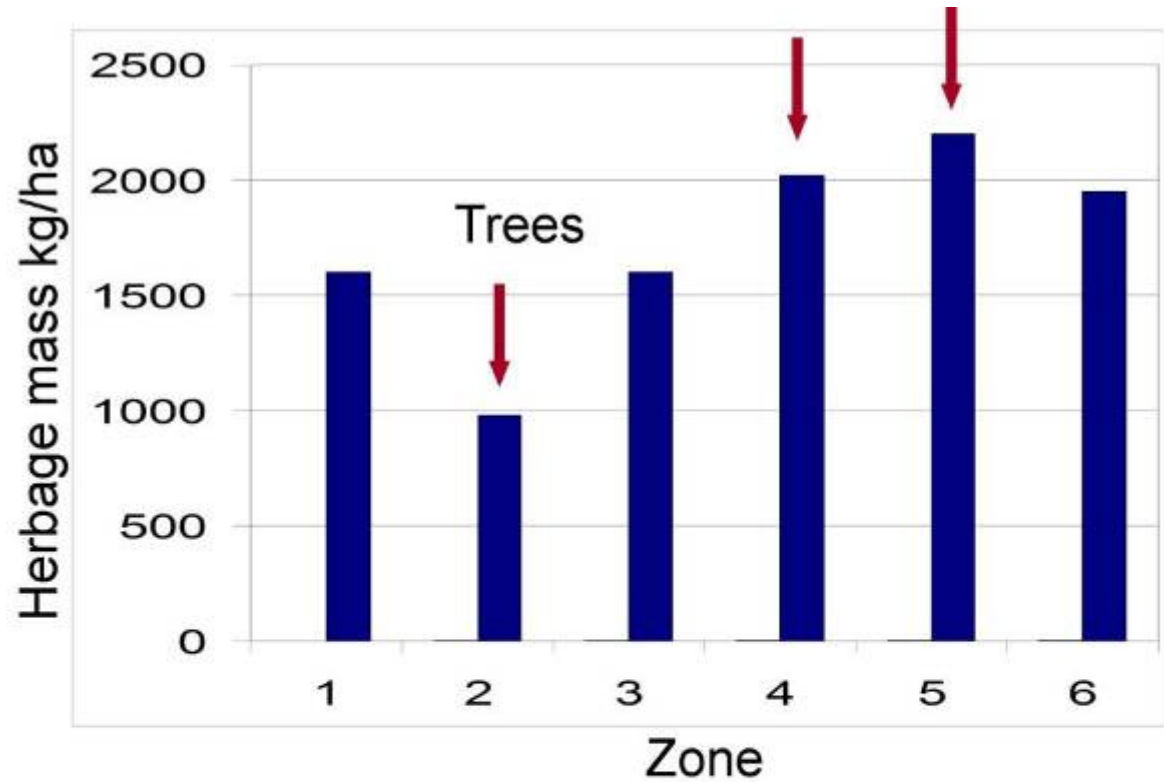


# The impact of trees on pasture





# Impact of tree strips on pasture:





## Outcomes.....

- Similar grass growth but better quality
- Better cattle production
- Shade & shelter for stock
- Source of timber
- More biodiversity.....





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