Adaptive Planned Grazing

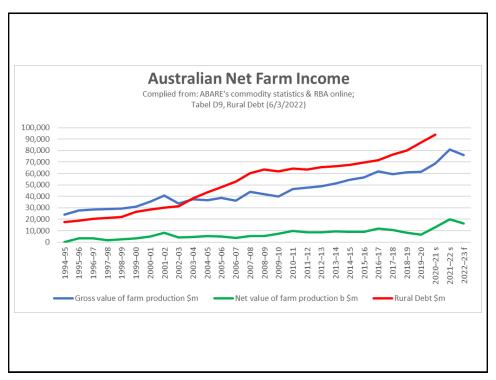
Graeme Hand

graemehand9@gmail.com

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- . Underestimating Risk
- •"......farm viability depends more on minimising losses than maximising production, and it is these accumulated losses which threaten farm business survival and growth".

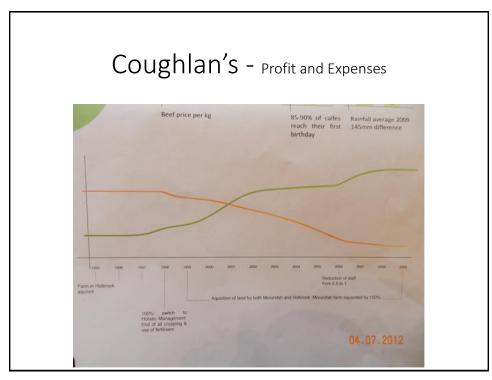


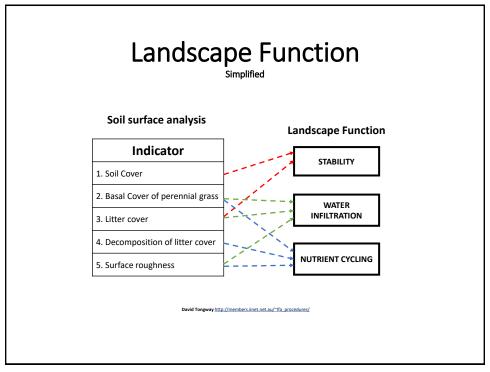
Dr Tim Hutchings & family

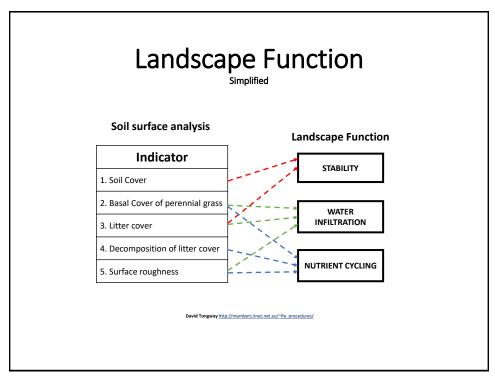
3

Risks in Agriculture

- 1. Debt
- 2. Seasonal
- 3. Market Price







Safe to fail areas

- Benjamin Sellé Somaliland
- https://youtu.be/Xi3DGFBVzgA





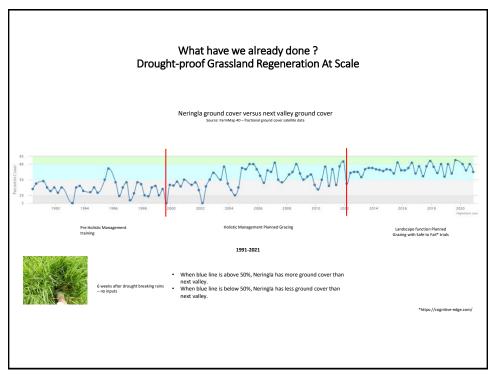














Grass Productivity

Andre Voisin

"To what height should grass be grazed?" Page 56

......The logical idea is therefore not to graze the sward too closely so that the plant will be left with sufficient green surface, the chlorophyll of which will be able, right from the start, to carry out its work of synthesis and immediately aid regrowth. In this way the duration of the initial period of slow regrowth is reduced. From the plant physiology point of view one might say that the low level part of the S curve is reduced.

15

Grass Productivity

Andre Voisin

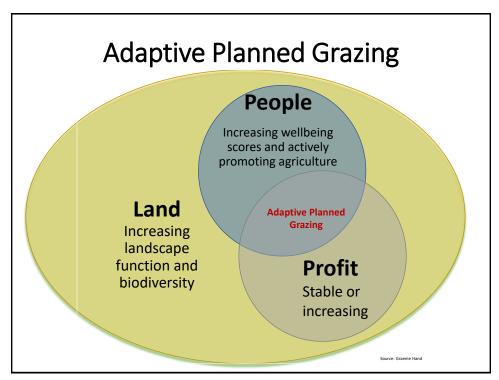
"To what height should grass be grazed?" Page 56

Unfortunately we see here again perfectly sound, theoretical and scientific considerations running foul of practical obstacles which could not be foreseen a priori.

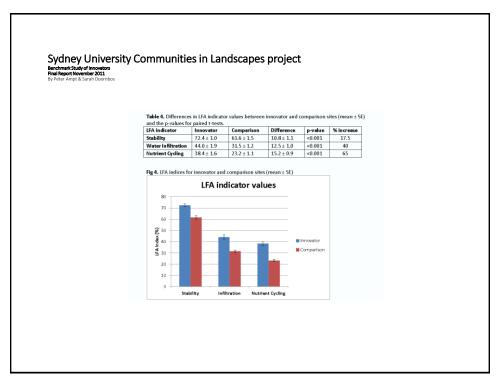
Cows (or animals in general) have the habit of first grazing down the parts they prefer before going on to the herbage they like less."

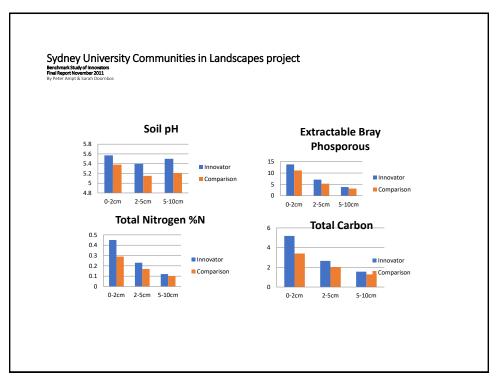


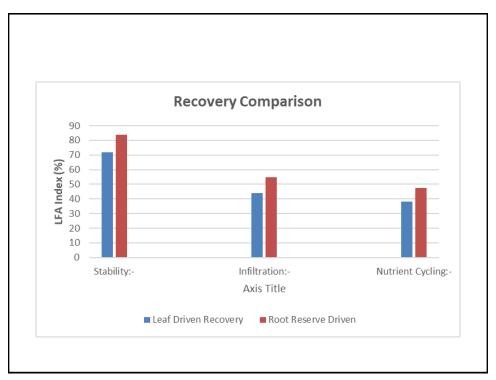
Do not use this idea



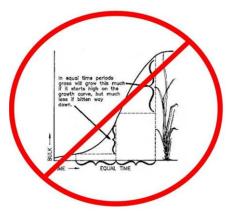


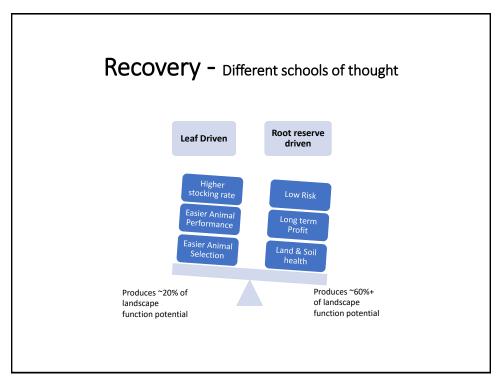






Sigmoid Curve Grazing – not relevant when grazing for landscape function. You can't hack time







Decomposing vs Raw Litter



Decomposing litter on the left

25





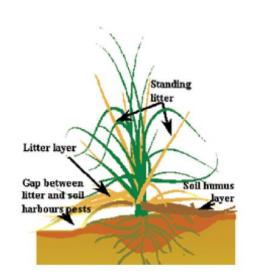
Decomposing litter is the common link

- Grazing
- Cropping
- Horticulture
- Forestry

26

Litter in contact with the soil

- Left of plant litter not trampled – reduces growth
- Right of plant litter has been trampled and cycling – promotes growth



27

The Power of Positive Deviance: How Unlikely Innovators Solve the World's Toughest Problems

"It's easier to act your way into a new way of thinking, than think your way into a new way of acting." — Jerry Sternin,

4 Main Barriers to successful landscape function grazing

- 1. Use frameworks that account for complexity (HM & Cynefin frameworks) to design enterprises for low cost, low risk profit and to reduce unintended consequences.
- 2. Use safe to fail trials (S2F) to determine the combination of recoveries, stock density and utilisation required to rapidly regenerate your land also find what you need to avoid
- 3. Develop <u>convenient</u> infrastructure to action this evidence (flexible strip fencing and water)
- 4. Select animal phenotypes and adaption that thrive under this management

29

Regen Ag Barriers to success

BARRIERS	TOOLS
Lack of Motivation	Commitment
	Norms
	Incentives
Forget to Act	Prompts
Lack of Social Pressure	Norms
Lack of Knowledge	Communication
	Social Diffusion
Structural Barriers	Convenience

https://cbsm.com/



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