



Regenerative agriculture

Is it a buzz-term?

Is it a fad?

Is it a marketing scheme?

Is it the 2020 version of <u>all-natural</u> or <u>sustainable</u> or <u>conservation</u>?



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Regenerative agriculture





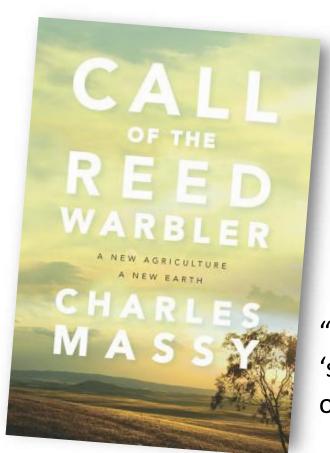
"Land doctoring" versus the science of land health





Mid 1930s

Regenerative agriculture



"Those who live close to the earth – we farmers – have become as illiterate as anyone else when it comes to reading our landscapes."

"Regenerative agriculture implies more than just 'sustaining' something but rather an active rebuilding or regeneration of existing systems towards full health."



The Ladder of Regeneration

Soil Health

The "Holy Grail" – Fully functioning soil/biology/crops without off-farm inputs



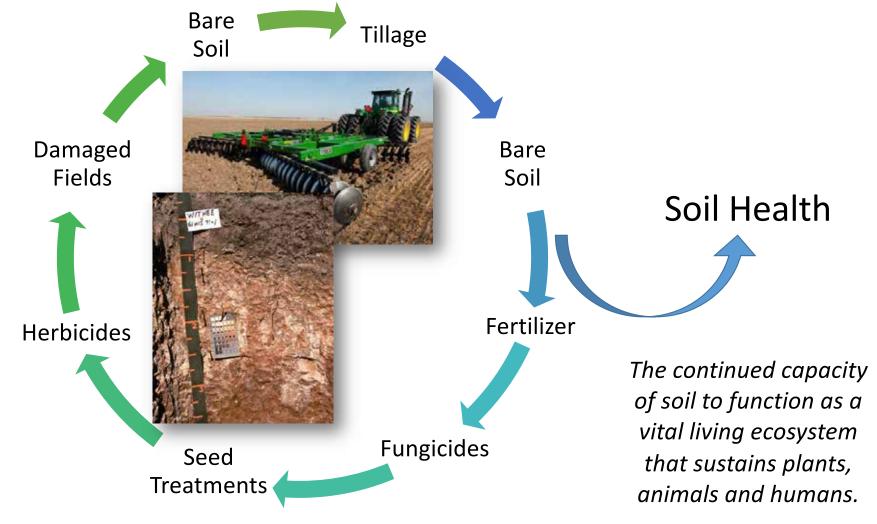
Managed grazing

Perennials

Continuous living cover (cover crops)

No-till planting

The Cycle of...



Anecdotal Evidence = Clues



What happens to the soil when you break out of the cycle?



The soil got firmer...

But did not slow water infiltration...

Became better structured and more stable...

And never inhibited yield...



Eliminating tillage was the step onto the first "rung," but there's more to the story...

The presence of cover crops never inhibited yield...

And they caused better forage quality!



Soil health improves by eliminating tillage...
but cover crops move us further up the ladder.



Soil Biology - Symbiotic Relationships

