Livestock's Vital role in Soil Regeneration Above and Below Ground

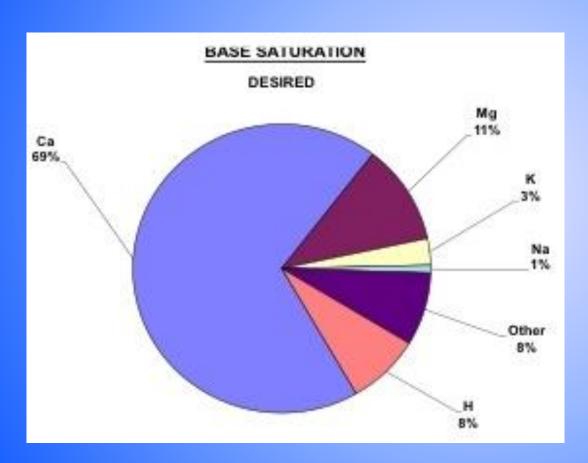


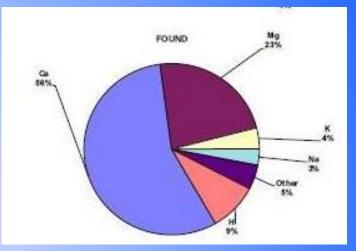


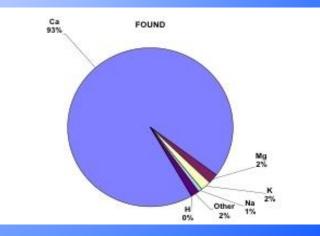
Wil Armitage



The Albrecht Soil Analysis







Soil Chromatography



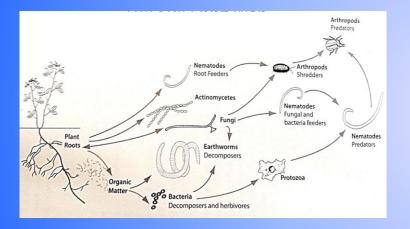
Periferal biology zone

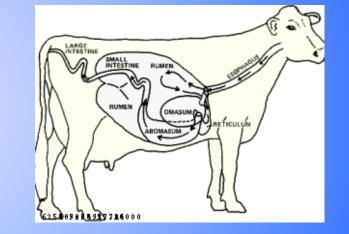
Feeding Biology

X

BELOW The Soil Food Web

ABOVE Livestock







Grow Top Soil

Soil Penetrometer

N

300 psi

N

N

N

N

N

CO2 & OM Cover Crops Mob Grazing



Maximising photosynthesis Feeding and protecting soil biology





Maximising plant exudates Building organic matter FAST

Plant Diversity & Synergies



Compost

Carbon source Chelating minerals A live fertilizer 10x more effective than FYM

Foliar feeds

Carbon source Mineral suspensions Energy sources Urea is an amine Good Biology





The Quality and Integrity of the feed we produce on farm is a result of the way we manage Our Soils.



Conclusions

- Soil management has a direct impact on the Integrity of food.
- Soil biology and Plant Diversity will build Resilience and Efficiency in our farming systems and increase the Nutrient Density of food.
- Massive opportunity to Multiply Soil Biology using compost and foliar feeds.
- Plants grown in biological soils are Less Prone to Disease and Pest attack.
- Soluble fertilizers and chemicals will Shut Down biological functions, reducing the nutrient density of food.
- 1st generation GM technology is Mummifying soil biology, burning off organic matter and producing Empty Calories that can not feed the world.

Biological Farming is the Future

Recommendations

- Know your Base saturation levels and adopt a fertiliser policy.
- Feed and nurture Soil Biology as a priority.
- Use Plant and Soil Microbe Diversity to improved feed quality and build Resilience in our soils and farming systems.
- Maximise on farm manures to make Live Mineral Rich Fertilizers.
- Collaborate with Arable Farmers to secure our future.
- **Question** the integrity of any bought in feeds.

Biological Farming Can Out Perform Chemical Agriculture And Produce Higher Integrity Feed.