

Outline:

Soil:

Enhancing function Stable aggregates

Site Prep:

Remove invasive species

Minimize soil disturbance

Seed and Site Treatments:

Cool moist stratification

Fungal inoculants

Introduced Disturbance:

Mowing and burning

Biomass Management:

Winter habitat





Restoring Soil Function-Plant Diversity

Extract from Australian Farm Journal Edition 338 3 July 2008

Liquid carbon pathway

Christine Jones, PhD Founder, Amazing Carbon www.amazingcarbon.com

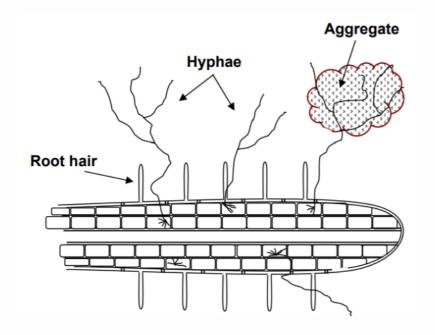
ii) Turning air into soil. The formation of topsoil requires photosynthesis to capture carbon dioxide in green leaves, followed by exudation of simple sugars from plant roots and humification within biologically active soil aggregates. Humification is a process whereby simple carbon compounds are joined together into more complex and stable molecules. The formation of humus requires a vast array of soil microbes, including mycorrhizal fungi, nitrogen fixing bacteria and phosphorus solubilising bacteria, all of which obtain their energy from plant sugars (liquid carbon).



Water Stable Aggregates

"Aggregate stability will only regenerate biologically"

-Rudy Garcia & Ray Archuleta



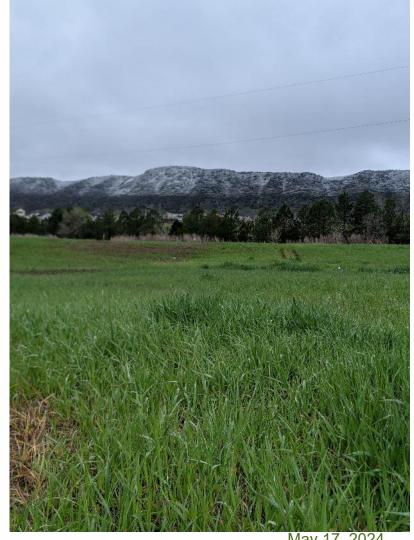




DENVERBOTANIC GARBENS

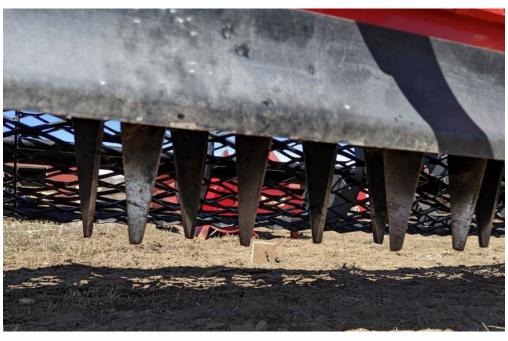
Site Prep: Grass & Perennial Weeds





Seed Bed Prep- Minimal Disturbance



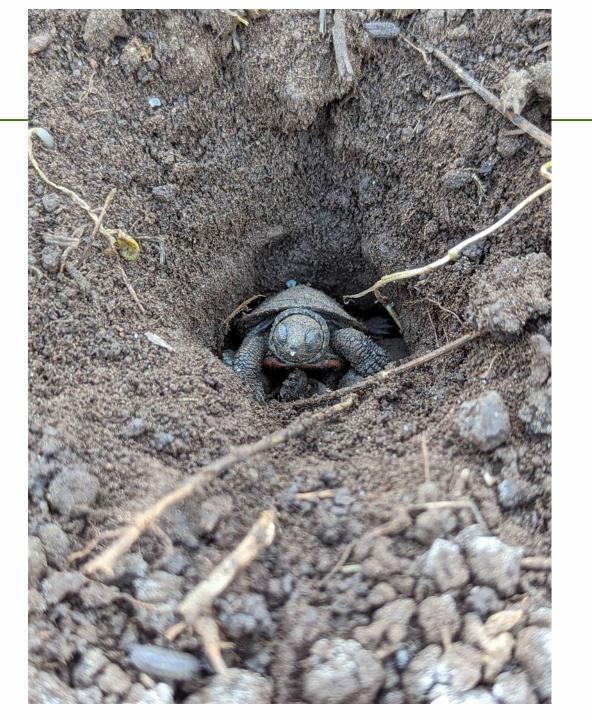


Install Silage Tarps





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Preparing Seed Mix

Cool Moist Stratification:

*Forbs only 30-45 days

Mix 50-50 with damp vermiculite or other media

Monitor in fridge for germination





Spring-Pull Tarp & Seed

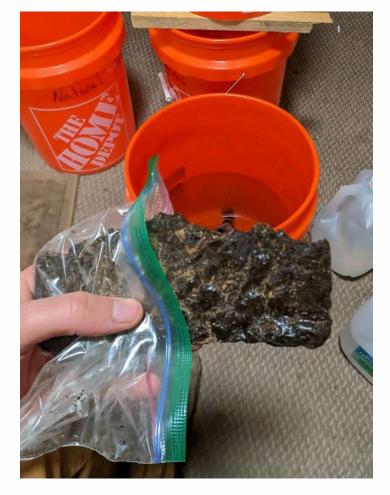






B.E.A.M.- Fungal Rich Extract

(Biologically Enhanced Agricultural Management)







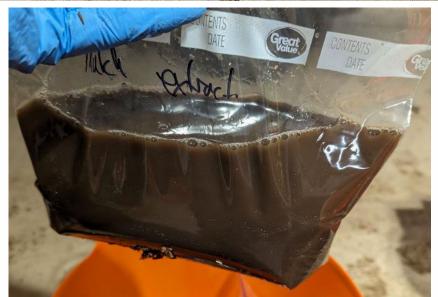


GARBENS Seedlings & Fungi



Extract and Apply Living Fungi







Recruit Cover & Early Establishment





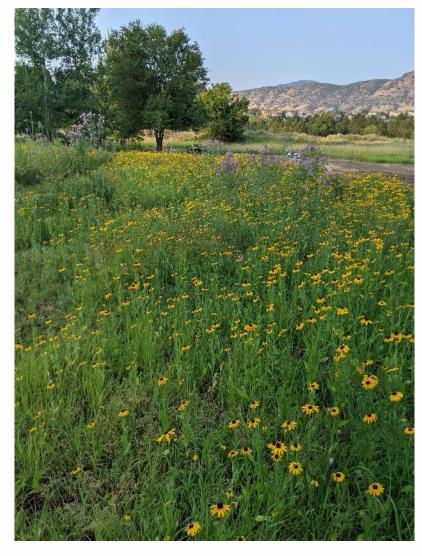


First Year Expectations









Gravel Path – Sorting it Out!









Maintaining Diversity





Periodic Fire Introduction







Overwintering Habitat







DENVERBOTANIC

GARDENS Impacts on Chatfield Farms



