

\$314,819
Total project cost



\$40,000
CF-LRP funding

\$274,819
co-contribution



63,079
Projected ACCUs

Hacienda de Trigo Soil Carbon Project

Carbon for Farmers Voucher Program Recipients

Cindy Stevens & Simon Wallwork

Location	Corrigin, WA
Project area	1,308 ha
Property size	3,700 ha
Permanence period	25 years



**Agricultural
Productivity**



**Soil
Health**



**Salinity
Mitigation**

Aims

Soil health is critical to sustainability, climate resilience and long-term farm productivity. This project will improve soil health by planting legume species in cropping and pasture systems to increase soil organic carbon levels from 0.8% to 1.3% in the top 30cm of soil.



Above (clockwise from top left): Simon explains soil structure, vetch and mixed fodder species, soil sampling to determine baseline soil carbon levels, cattle with vetch and mixed fodder species, compost spreading.

Activities

- Mixed-legume species such as vetch and serradella will be introduced as fodder and cover crops to fix nitrogen and help retain subsoil moisture and reduce erosion of lighter sandy soils.
- Deep ripping using mechanical soil redistribution will mix soils and increase water penetration incorporating clay.
- Spreading compost and manure are current practice used to improve soil health.
- Modification of landscape and landform features will help to improve water penetration and rehydration.
- Annual monitoring will measure soil cover, incorporating yield maps to compare results with adjacent areas, and use photographic documentation to evidence change over time.