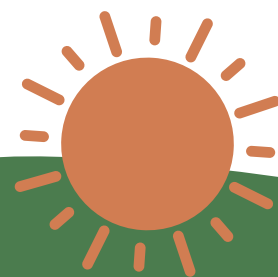




Carbon Farming

Carbon farming refers to agricultural practices that enhance the capacity of soil and vegetation to capture and store carbon from the atmosphere and release oxygen back into the atmosphere.

This process of storing carbon in soil and plants is known as carbon sequestration. This not only helps to mitigate climate change – it also improves soil health and water retention, and increases agricultural productivity.



Carbon sequestration

Photosynthesis

Plants take in CO_2 from the air during photosynthesis, which is the process they use to make food.

They use sunlight to turn CO_2 and water into glucose and oxygen. The carbon from CO_2 gets stored in the plant's leaves, stems and roots.

Soil organic carbon

When plants die, their leaves and roots break down and become part of the soil. This organic matter adds carbon to the soil.

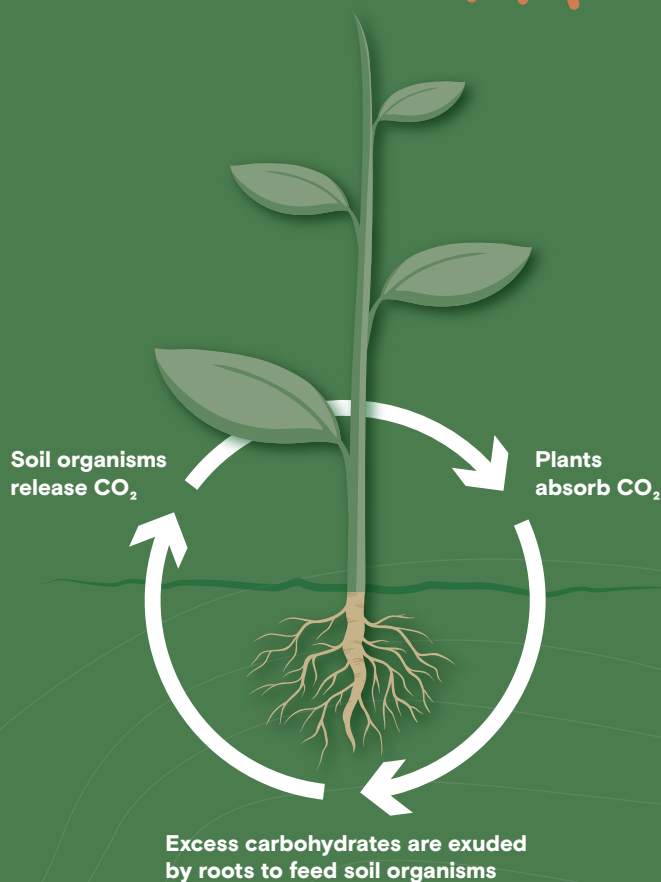
Other key benefits of carbon farming

Growing crops that cover the soil during off-seasons, minimising soil disturbance, rotational grazing, composting, and crop rotation – these practices support soil recarbonisation.

Australian Carbon Credit Units (ACCUs)

In addition to the environmental benefits, carbon farming can be used to create carbon credits that are able to be bought, sold, traded or used to offset emissions.

ACCUs are issued to individuals or businesses who run eligible projects under the ACCU Scheme. Outback Carbon's forestry plantation projects are registered with the ACCU Scheme.



An innovative WA carbon farmer

Outback Carbon is a Western Australian-based business that provides high integrity carbon and offset solutions.

Founded in 2006 and incorporated in 2018, the Outback Carbon team shares a passion for restoring degraded landscapes and optimising agricultural outcomes through quality sustainability initiatives. With extensive experience in the carbon farming industry, the team manages all aspects of offset projects, from feasibility to implementation, reporting and compliance.

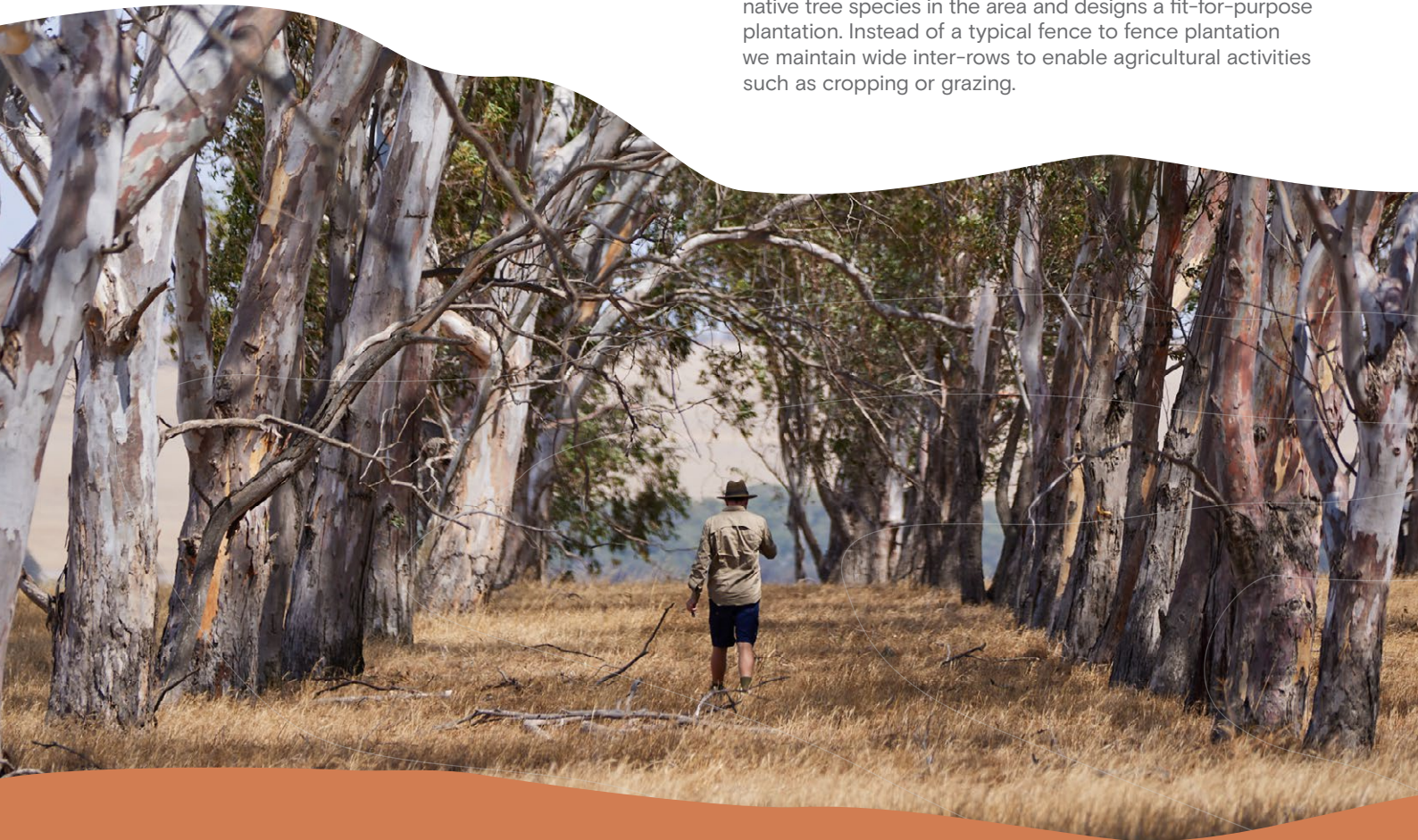
Outback Carbon identified, analysed and successfully executed six carbon farming projects in the WA Wheatbelt and Mid West from 2022–2024, totaling more than 10,208 hectares, and will be looking to establish a further 10,000 ha/annum during 2025–2027.

Outback Carbon's activities not only deliver environmental outcomes, but importantly help improve the quality and sustainability of life for rural communities. The business is proud to employ local people where possible, and gives preference to awarding contracts to local and regional businesses.

Outback Carbon is a wholly owned subsidiary of Mitsui E&P Australia.

What makes Outback Carbon different?

Selecting the right tree for the right place in the right scale is vital for success. Outback Carbon looks at the thriving native tree species in the area and designs a fit-for-purpose plantation. Instead of a typical fence to fence plantation we maintain wide inter-rows to enable agricultural activities such as cropping or grazing.



Benefits of tree farming

Trees provide shade and shelter to stock. The deep perennial roots improve local soil and water salinity conditions, and reduce erosion. Great for succession planning, trees are a long term crop producing a renewable resource that can be harvested and sold when the time suits.

Benefits of increasing soil carbon

Increasing organic soil carbon encourages beneficial fungal networks and enhances biodiversity. In turn this increases soil health and productivity, which can return greater crop yields or improved nutrition for stock.



We welcome your feedback. To contact us, please email

contact@outbackcarbon.com.au | outbackcarbon.com.au