



XARA GARDENS

PART OF THE XARA COLLECTION



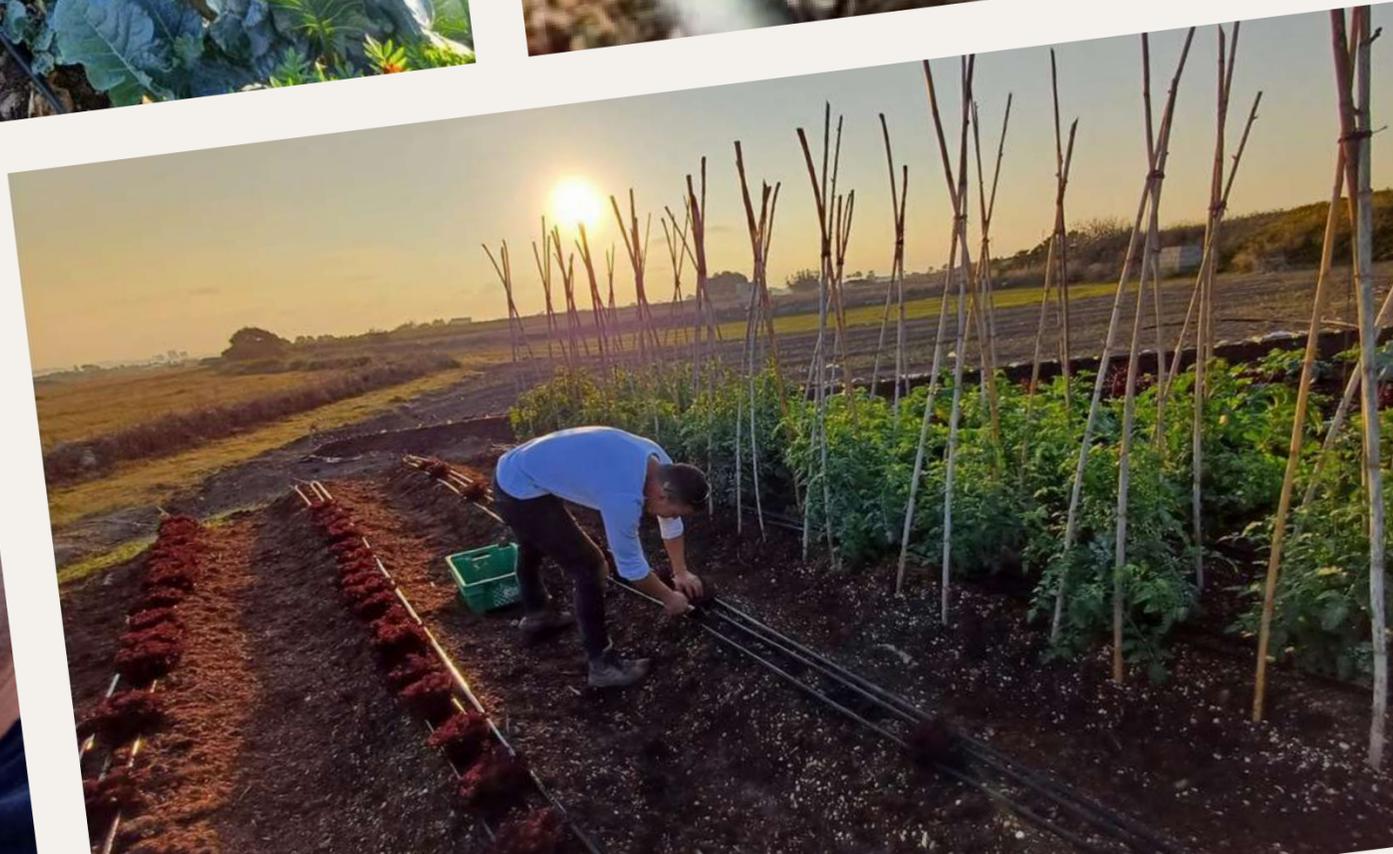


At The Xara Gardens, the owning family and management, with the guidance and expertise of **Sustainable Resource Innovator Michael Bourne and his assistant** are actively and perceptibly looking for a more sustainable way of doing business.

The Xara Collection is essentially a pioneer in investing in innovative practices in sustainable growth. At the Xara Gardens, majority of the vegetables used in the various restaurants and The Xara Palace Relais & Chateaux forming part of The Xara Collection portfolio are **home-grown**.



OUR FIELDS





What is REGENERATIVE AGRICULTURE?

Regenerative agriculture is a rehabilitation approach to food and farming and systems.

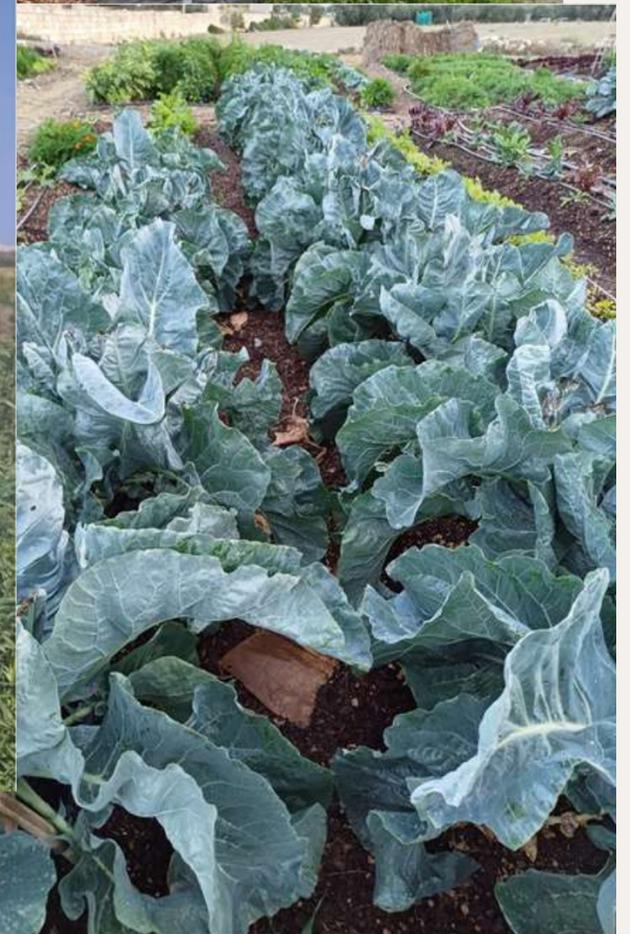
It focuses on:

- Topsoil regeneration
 - creating new soil and rejuvenating soil health by: minimizing the loss of topsoil, retaining more carbon than is depleted, & maintaining proper water & nutrient cycling.
- Strengthening the health and vitality of farm soil
- Increasing biodiversity
- Improving the water cycle
- Supporting biosequestration –
 - a natural process that stores & captures atmospheric carbon dioxide through natural biological processes.
- Increasing resilience to climate change



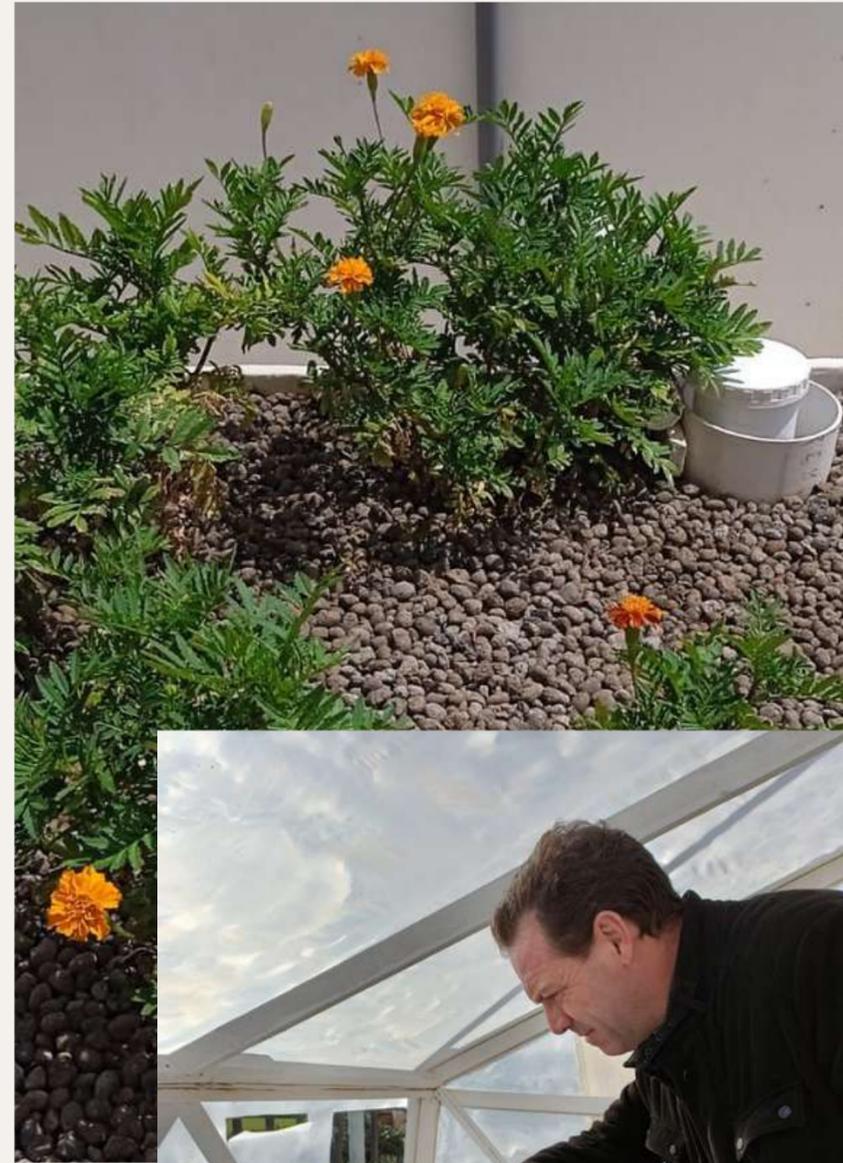
Benefits of REGENERATIVE AGRICULTURE

- Boosts carbon-rich soil. Excess carbon created through photosynthesis in plants gets stored in the surrounding soil.
- Structure to the soil; allows it to retain more water.
- Improving the water cycle: increase the soil's capacity to absorb, retain, and release water through residue covers, mulching, & conservation tillage.
- Reduction in tillage, plowing, or digging.
- Yields nutrient-rich crops
- Build biodiversity



What is MULTITROPHIC AQUAPONIC MICROFARM?

- A process which starts with food waste which is taken, fed to the grubs of Black Soldier Flies
- All the outputs from the BSF lifecycle are used as inputs for the rest of the aquaponic operation as well as providing organic fertiliser for the local farming community.
- Keeps Green House Gasses in the food-chain, and out of the atmosphere



Benefits of MULTITROPHIC AQUAPONIC MICROFARM

- The multitrophic aquaponic microfarm system gives The Xara Collection
 - Edible and ornamental fish
 - High quality edible flowers, leafy greens, herbs, watercress, tomatoes and more
- Addresses water and energy sustainability





Food waste goes in, high quality produce comes out...

...all with zero waste-miles and zero food miles.

This way The Xara Collection keep CO₂ in the food-chain and out of the atmosphere, and we avoid the release of methane -a potent greenhouse gas.





Our MICROGREENS ROOM

The microgreens room is a temperature controlled automated aquaponics system that automatically waters microgreens and provides additional nutrients and microbiome to produce the healthiest microgreens of various varieties.



A MESSAGE FROM THE DIRECTOR

“We are all very proud of our continuous efforts to push our gastronomic boundaries through our unique sustainable project at Xara Gardens by making a better world through Cuisine and hospitality and continually pushing to put Malta on the International gastronomic map.”

Justin Zammit Tabona - Director at The Xara Collection

