

What you can try at home

(treatments)

What you can try at home

Create more space for garden

- Depaving
- Create a verge garden
- Remove lawn
- Add planters & pots
- Add green wall or roof

Improve soil

- Add biochar (charcoal)
- Add humus e.g. compost, castings
- Add microbes e.g. worm tea or roo poo tea

Encourage biodiversity

- Leave wood and logs on the ground
- Add a pond

Protect soil

- Add mulch
- Avoid tilling the soil
- Avoid pesticides / herbicides

Manage water

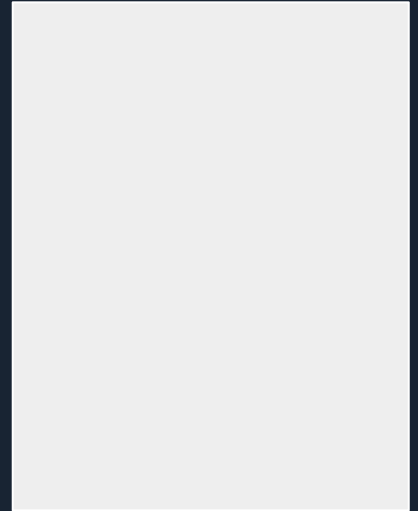
- Char wells & trenches to capture and store water
- Urine & grey water trenches
- Use a french drain or rain chain
- Add a pond

Add plants

- Collect a Forest in a Box
- Add plants close together
- Add natives (for your area)
- Add exotics (check weed list)

Stories from the community

Chris, Steve, Katie, Ian
(15 mins)



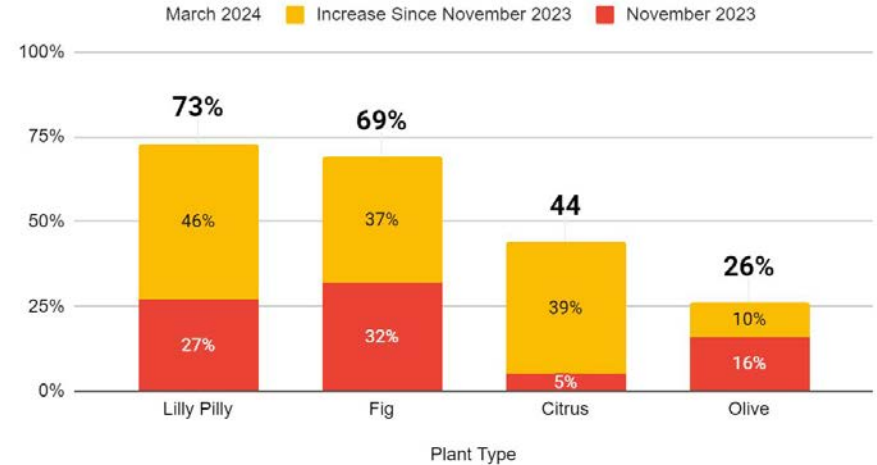
Community Food Forest

Biochar, FOGO compost, worm juice (microbes) mixed with existing sand then planted with fruit trees and covered with Council mulch.



PLANTING JULY 2023

Percent Plant Height Increase (at March 2024)



GROWTH AFTER 5 MTHS AND 9 MTHS

Community Food Forest cont'd

Biochar, FOGO compost and worm juice (microbes) improves soil structure, water holding capacity and biological activity. No soil wetter required.



PLANTING JULY 2023



POROUS SOIL STRUCTURE IMPROVES WATER HOLDING CAPACITY

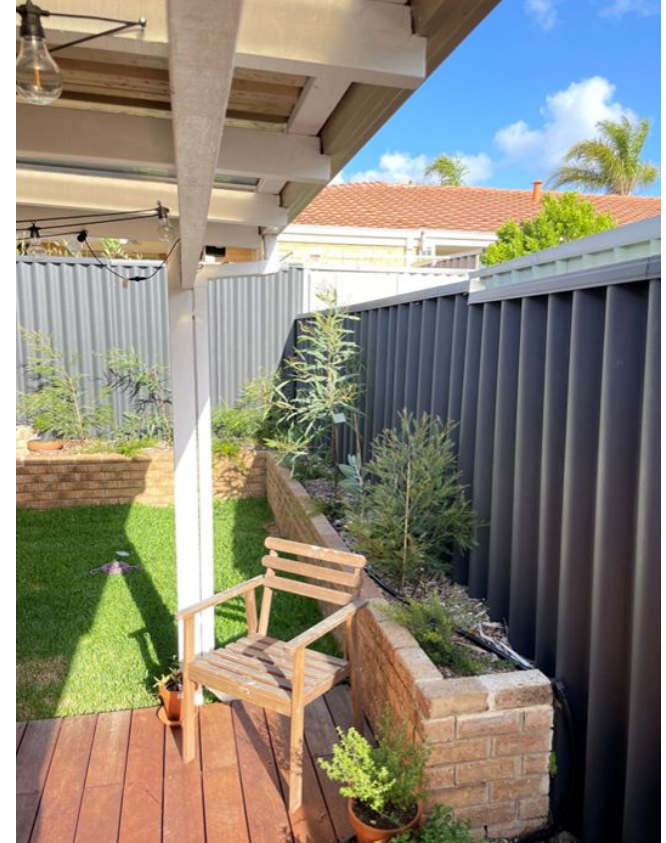
North Perth Community Garden

Biochar made with wood 'waste' from fruit tree prunings. Added to composting biomass (i.e. co-composting) and then added to garden plots.



De-paving

Removing courtyard paving. Replace with decking and lawn (using FOGO compost)



Planter Boxes

Biochar, FGO compost, bush microbes (including roo poo) mixed with existing sand then planted with native plants and covered with Council mulch.



OCTOBER 2024



DECEMBER 2024 (3 MONTHS)

Slotted french drain

Redirect stormwater roof runoff into slotted drain with biochar, rock aggregate and FOGO compost to absorb and store water.



Pocket forest?

De-pave front yard then add biochar, compost, bush microbes to sand and plant with bird attracting natives. Cover with mulch.



Vegetable garden

Worm farm and compost bin use food scraps plus biochar. Organic fertiliser applied to raised garden beds.



Front yard

Part of lawn dug up and replaced with native plants. Sand amended with compost, biochar and worm castings.



Biochar Well - Natives

Biochar well filled with mix of biochar, compost and microbes including Roo Poo



BIOCHAR WELL MAY 2024



BANKSIA FEB 2023



BANKSIA MAR 2025

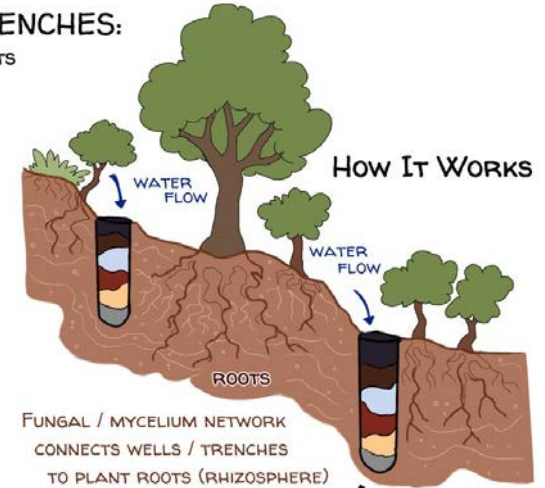
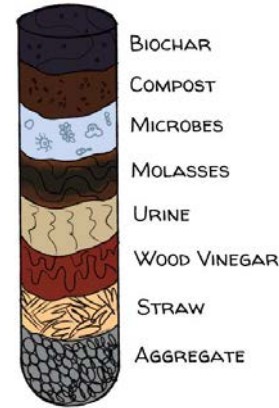
Water management

Biochar well / trench filled with mix of biomass including biochar, compost and microbes.

Methodology adapted from:
Solaiman, Z., Fisher-Watts, K., Watts, B., Joseph, S. and Abbott, L. (2018)

[Preliminary investigation of the potential of biochar permeable reactive barrier to provide medium to long-term remediation of salt affected soils](#)

BIOCHAR WELL / TRENCHES: POTENTIAL BIOMASS INGREDIENTS



Biochar Wells/Trenches Food Forest Trees

Biochar wells / trenches filled with mix of biochar, FOGO compost and worm juice.



OLIVE MAY 2024



OLIVE MAR 2025



MULBERRY MAY 2024



MULBERRY MAR 2025

Urine

Combination of biochar wells, pot and citrus tree with biochar / compost.



BATTERY AUGER



BIOCHAR WELL



URINE OPTIONS

Roof runoff, bird baths, ponds



Rain chain

Biochar well

STORMWATER

Biochar retains and filters water keeping it clean.



BIRD BATHS