

LET'S LEARN THE DIFFERENCE BETWEEN

AQUAPONICS

A combination of aquaculture and hydroponics

HYDROPONICS

"Water Working"

AEROPONICS

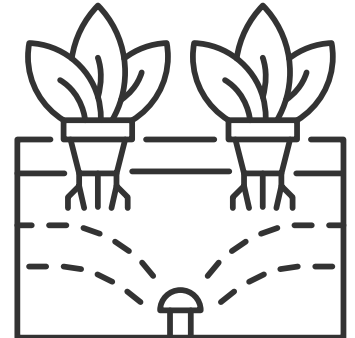
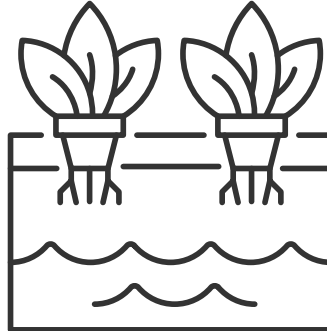
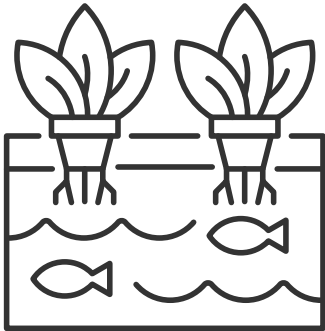
"Air Working"

GENERAL OVERVIEW

Plants are grown in a medium such as coconut husk, with their roots suspended in a tank of water below. Fish live in the tank below, and are often raised and harvested alongside the plants.

Plants are grown in a medium such as rockwool, with their roots suspended in a tank of water below. The water is nutrient dense, and a bubbler or airstone and pump is often used.

Plants are grown in closed cell foam. The roots of the plant hang freely and are either consistently sprayed, or sprayed on a specific time schedule.



HISTORY

Roots can be traced back to Aztec times, but the first formal closed loop system was attempted in the mid 1980s.

Roots can be traced back to 600 BC, but the first formal system was attempted in 1699.

First attempted in 1957 by growing tomatoes and coffee plants.

PLANT NUTRIENTS

Plants get their nutrients from the waste of the fish in which their roots are submerged, creating a natural ecosystem.

Plants get their nutrients from the nutrient dense water in which their roots are submerged.

Plants get their nutrients from the nutrient dense misting of the air around their roots by mister or sprayers.

OXYGEN TO ROOTS

A pump and airstone, or a similar system, is used to provide oxygen to the water to be absorbed by both plants and fish.

A pump and airstone, or a similar system, is used to provide oxygen to the water to be absorbed by plants.

Unlimited oxygen supply to be absorbed by plants.