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aquaponics is a sustainable method of food production combining aquaculture raising aquatic animals and hydroponics cultivating plants in water in this circulating system fish waste acts as a natural fertilizer for plants plants then take up those nutrients and return clean water to the fish perfect harmony

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understanding how aquaponics functions begins with recognizing the symbiotic relationship between fish and plants bacteria play a crucial role in converting fish waste into vital nutrients for the plants purifying the water in a closed loop system

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aquaponics is the combination of raising fish and plants in the same water system creating a symbiotic relationship fish provide nutrients for plants while plants filter water for the fish it is an environmentally friendly efficient and sustainable way to produce food

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aquaponics is a gardening method that leverages the symbiotic relationship between fish and plants the two grow together with the plants naturally filtering water for the fish and the fish providing an organic food source for the plants learn more about this farming method that has made its way into home gardening what is aquaponics

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in essence the bacteria change the nutrients into a form that s better for the plants to utilize in the aquaponic system we combine fish plants and naturally occurring beneficial bacteria to complete the circle of life the following is a discussion of the main components in your aquaponic system

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the first aquaponics system that foodchain ever built was a small demonstration system using recycled 55 gallon barrels and

locally available materials this system houses approximately 100 gallons of water that is continuously cycling throughout our aquaponics system can be constructed using whatever materials you have

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your eco cycle aquaponics kit converts fish waste into a natural plant fertilizer while using 90 less land and water compared to traditional growing methods

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aquaponics systems can be as simple as floating vegetation on water surface or it can be very complex with several components which allow higher yields and more fish

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this training manual provides instructions for establishing and operating an aquaponic system it begins with an introduction to aquaponics describing it as a closed loop system that combines aquaculture and hydroponics

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aquaponics is an integrated production of fish and hydroponic crops with recirculation of the nutrient solution in which fish wastes are used as plant fertilizers

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