



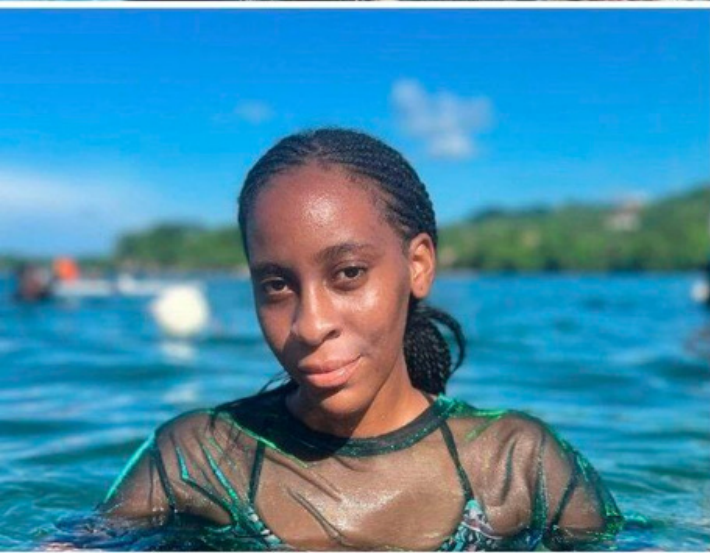
# Kee Farms

Multitrophic Mariculture for Ocean Restoration

[www.keefarms.com](http://www.keefarms.com)







# Meet Kee Farms

Kee Farms is a regenerative ocean farm network focused on climate change mitigation through nature-based carbon removal to provide premium carbon credits for sale to the market.

We are cultivating, harvesting, and collecting oysters and 3 different species of seaweed, though our primary revenue sources stem from Gracilaria seaweed and sargassum seaweed.

We started in 2020 and we officially started growing seaweed in 2022 at the Alligator head Foundation in Port Antonio Jamaica



# the problems

**Caribbean fisherfolks are artisanal fishers who rely on nearshore reefs for fishing.**

The Caribbean's reefs are being impacted by climate change manifested through ocean acidification, rising sea levels and fish migrating to cooler and deeper waters. In recent times they are catching fewer fish, smaller fish and poor quality fish we call “trash” fish.

Fisherfolks with their skill sets need a reliable, profitable, and environmentally sustainable way to generate income.

Jamaica Gleaner

## 'Fish keeping social distancing, too' - Port Royal fisherfolk ...

Michael Henry, president of the 32-member Port Royal Fishermen ... the anchoring of ships in sensitive areas of Jamaica's territorial waters.

23 Dec 2020



Jamaica Observer

## Manchioneal fisherfolk plead for help from the Government

The Jamaica Observer visited Manchioneal recently and the cry from ... A deh suh it deh," said the fisherman who asked not to be named.

1 week ago



Jamaica Gleaner

## Rocky Point fisherman: Give me investments, not classes

According to him, with them having one of the biggest fishing industries in Jamaica, the players are already well ahead of the game with them ...

28 Jan 2021

Jamaica Gleaner

## Poor catches, COVID crunch sinking Pagee Beach fishermen

Fisherman Delano McKenzie scales and guts fish and prepares lobsters at Pagee Beach in St Mary on Wednesday. The fishermen complain that ...

6 Feb 2021



Jamaica Gleaner

## Curfews sink dreams of Easter bounce for fishers

Fishermen helping each other to retrieve fish from there nets after an all-night outing in this February 2020 file photo.

23 Mar 2021



The Guardian

## A beloved Jamaican beach is succumbing to climate change. It won't be the last

It won't be the last. Climate change is eroding beaches all over the Caribbean – even though the region contributes a tiny fraction of the ...

27 Oct 2020





# Land-based Agriculture

Water is an important, but often overlooked, nutrient. Livestock water requirements are affected by many factors including, size, productivity, diet and environmental conditions. Limited access or reduced water consumption can result in dehydration, which can be fatal to livestock.







**Agar**



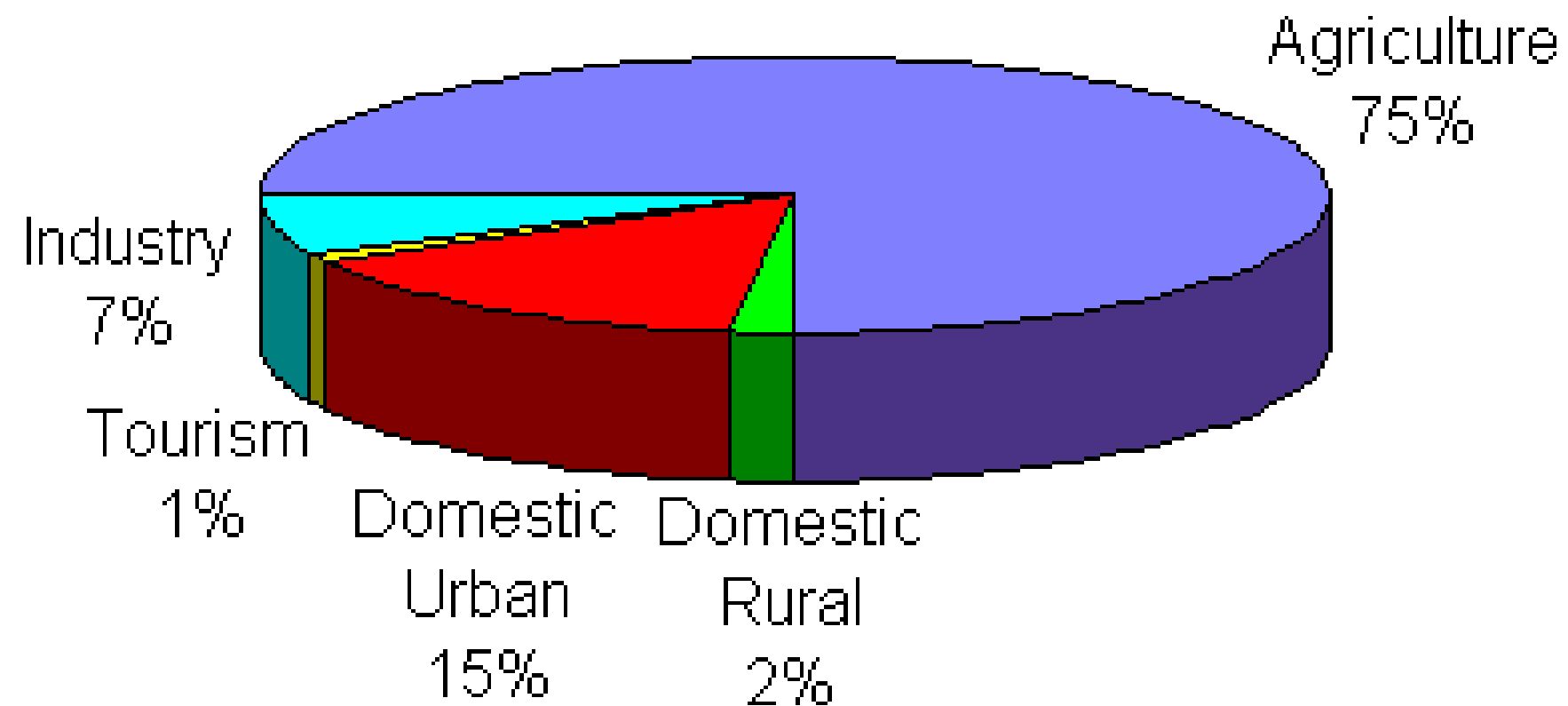
**Biochar**



# Water usage in Jamaica

from 2010 to 2020, 75% of Jamaica's water is used in agriculture.

We have high water inefficiency

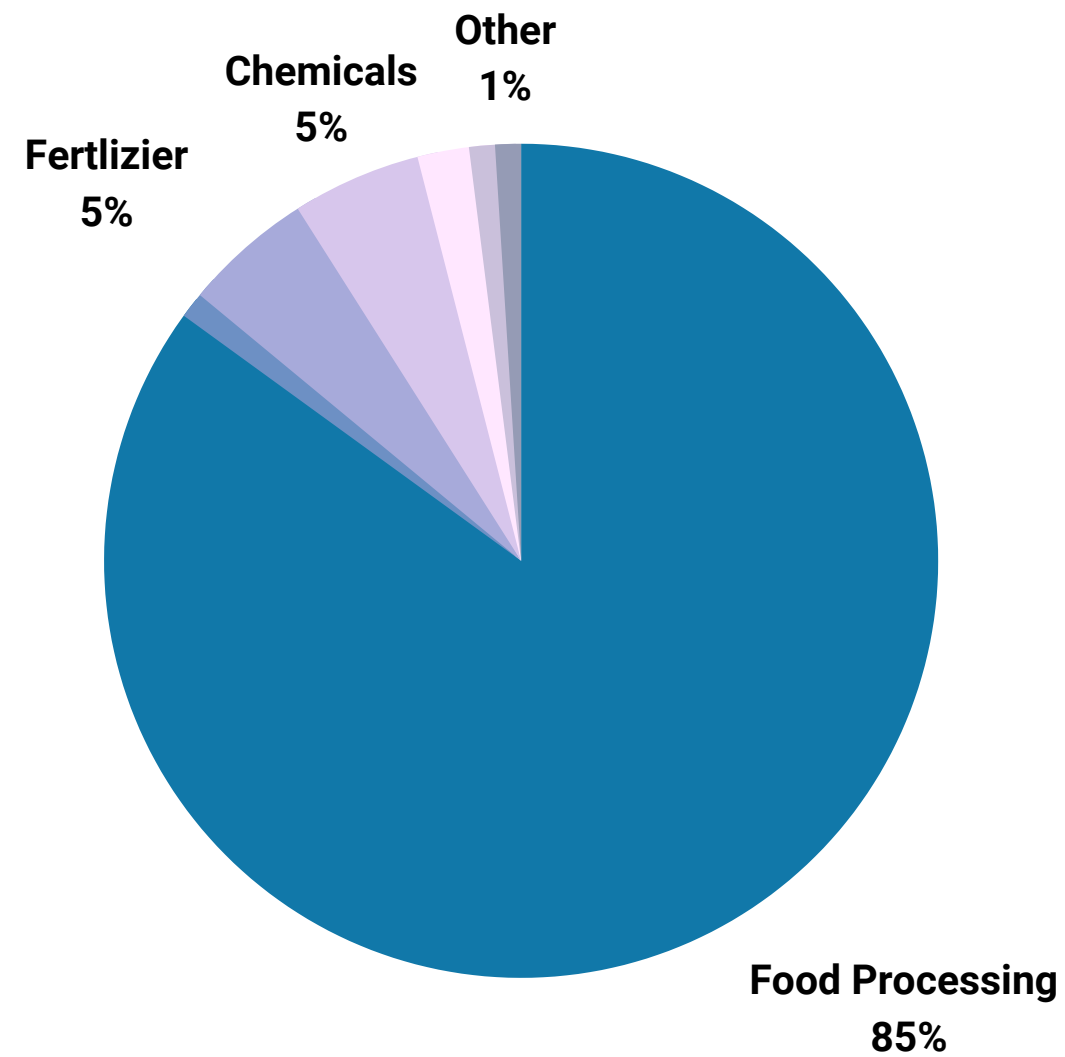


Source: NWC, NEPA

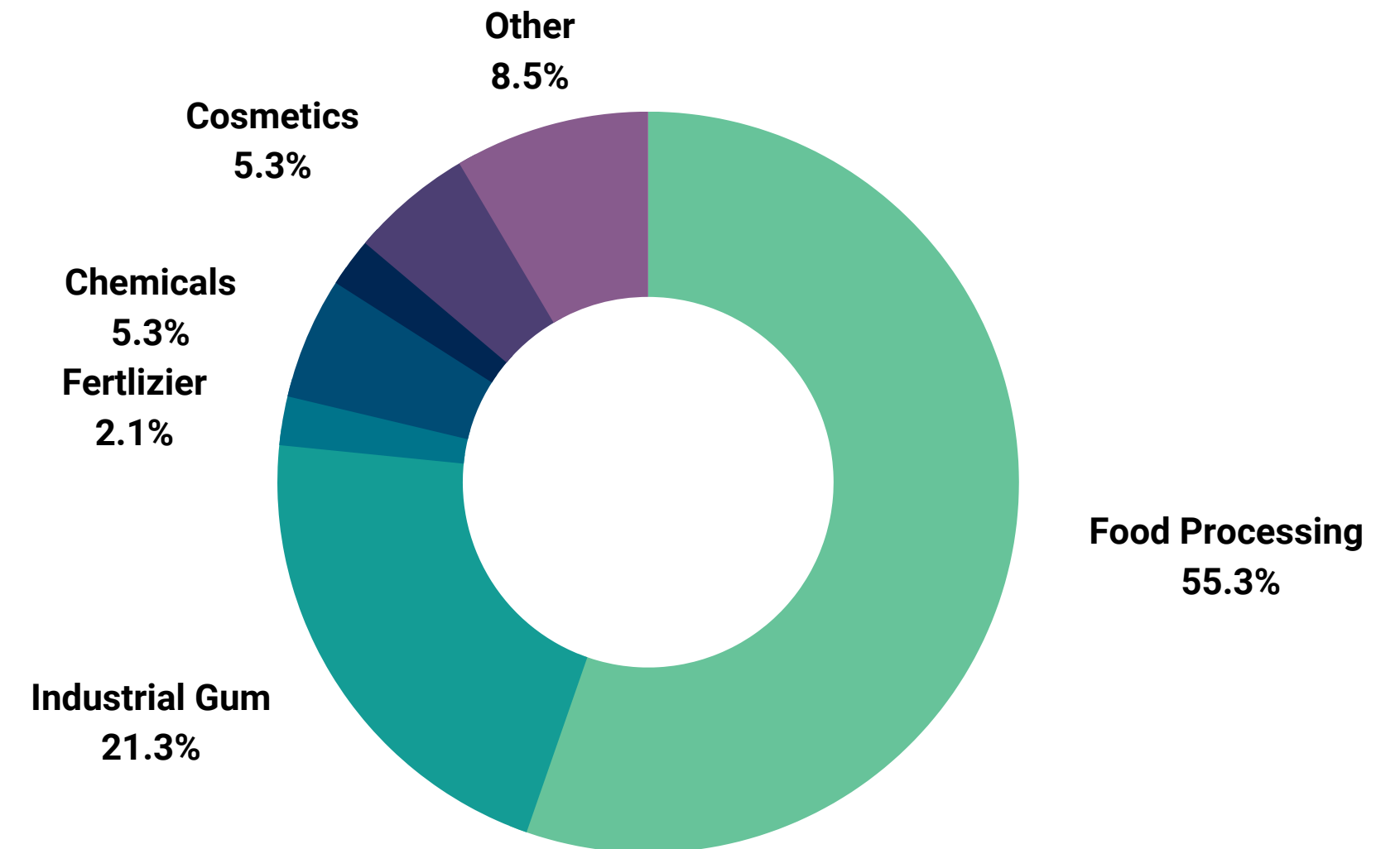


# The Market

The **Caribbean Market**, our beachhead is worth **70 million USD**



Currently, the **Global Seaweed Market** is worth **16.12 Billion**, but by **2030 the ocean economy will be worth 3 trillion.**







# Alligator Head Foundation

The Alligator Head Foundation is the sponsor of our project, and we work extremely closely to accomplish our mutual goals of helping the fisherfolk communities of the region and helping to preserve and restore the marine ecosystem.

The project is funded by them through their sponsor and the British Embassy in Jamaica.

AHF Sponsored all the resources we use on this project and it runs until late 2023.



# Meet the Core Team



**NICHOLAS KEE**

Chief Executive Officer



**GEASEAN JOHNSON**

Head of Research



**DEAN MORRIS**

Chief of Operations



**SHAUNA-GAYE PUSEY**

Chief of Staff/ CMO



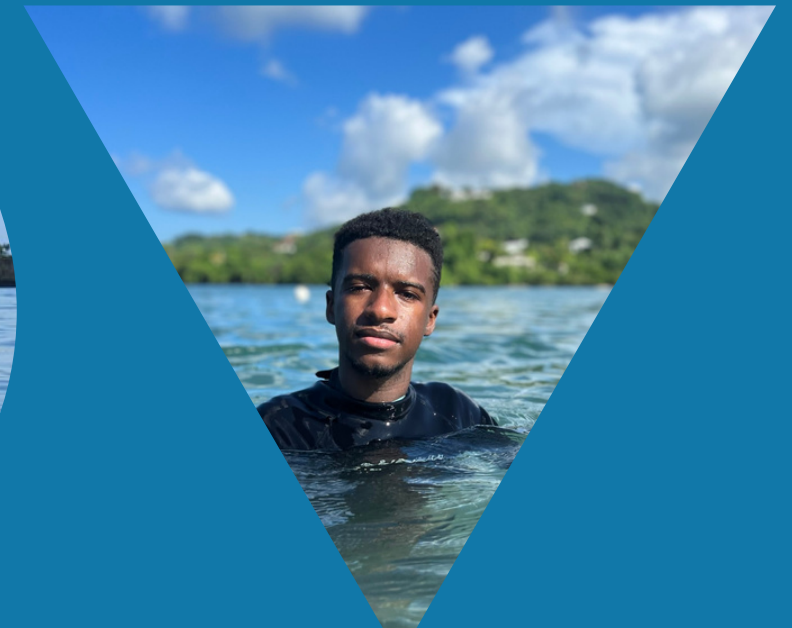
**APRILLE FERGUSON**

Head of Oyster Research  
and Development



**CHELSI-RAE BUCKLEY**

Seaweed Research and  
Development



**MATTHEW-PIERRE  
ROGERS**

Marine Biologist





# Progress to Date

## What we did in 2020-2021

Coordinated with government and sanctuary stakeholders for approval to conduct ocean farming activities

Identified supply chain node buyers of ocean farm produce

## What we did in this year

Started the pilot, we have engaged 25 fisherfolk who're currently growing Seaweed partime

Had the first two harvests, which were sold to a local company for processing from our farm and the first batch from fisherfolk that were sold to 3 other companies

## What we are gonna do next

Designing and patenting machinery that can make the harvesting process more efficient.

Working with manufacturers to help create byproducts from the seaweed such as agar agar, biochar.





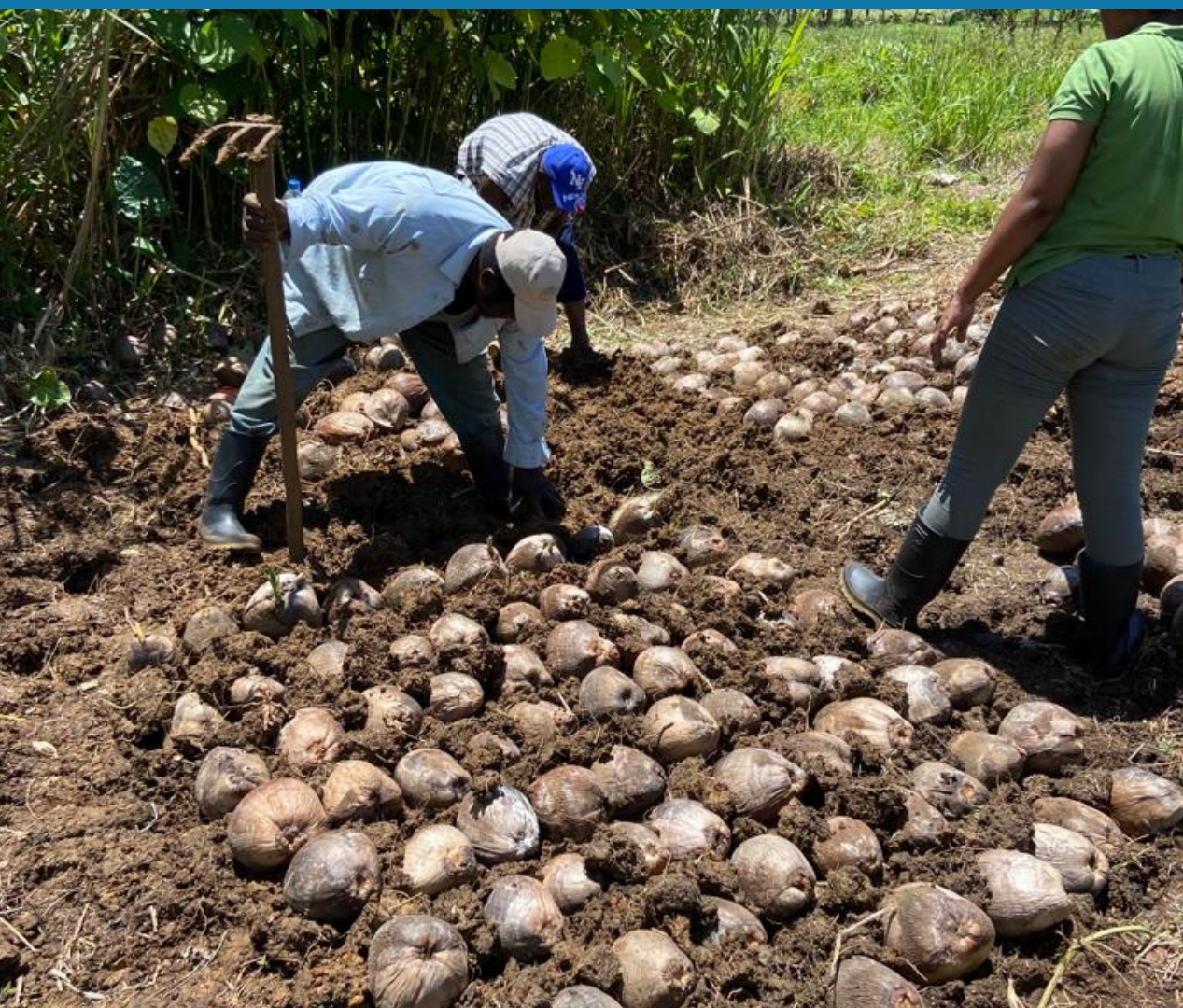
# Kee Farms Today













**Who are we?** Kee Farms

**What do we do:** We run a mariculture farm growing seaweed and oysters. We also create byproducts from the seaweed.

**Where we are located:** Port-Antonio Jamaica

**How do we promote water values?** Farming on the sea is not water intensive and can lead to multiple products that can remove carbon from the atmosphere and even help in wastewater management

**How to contact us:**

Email us at [info@keefarms.com](mailto:info@keefarms.com) and visit our website at [www.keefarms.com](http://www.keefarms.com)



**Kee Farms**



A by-product, biochar, acts as a soil remediation additive to assist with water retention when there is a need to grow in arid conditions. With biochar added to any soil, water savings can generally account for **37.9%**. It reduces **nitrogen** leaching into groundwater and runoff into surface water which is a problem with synthetic fertilizers.

### **We have helped**

- 18 fishermen
- 6 fisherwomen
- 30 farmers
- and 50 families

Since winning this competition