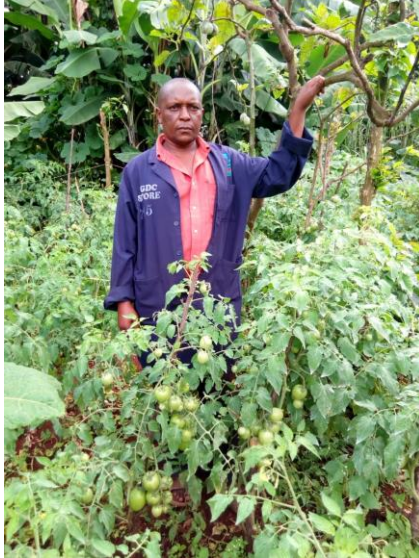


# FRANCIS GICHEHA KIMANI

KIAMBU COUNTY | SISTEMA 6 | INSTALLATION DAY: 05/10/2019



*“Biofertilizer has helped me eliminate the use of chemical inputs on my farm”*

## ABOUT GICHEHA

Gicheha owns a 1-acre farm in Githunguri, Kiambu. He is a commercial coffee farmer and grows vegetables for his family, such as tomatoes, kale, bananas, terere, napier grass and pumpkins. He cares for four cows that provide him with milk for him to sale, as well as biogas and 143 liters of biofertilizer a day from his Sistema 6 biodigester. He also raises goats and chickens.

## LIFE BEFORE BIOFERTILIZER

Gicheha first started using biofertilizer in 2019. Before using it on his crops, the produce he got from his farm was of low quality. For instance, pumpkins were no bigger than 2 kg per head. He used to spend KES 7200 a year on chemical fertilizers and KES 3000 on chemical pesticides for his farm. Additionally, his milk production was 20 liters per day.

## LIFE AFTER BIOFERTILIZER

After only one year of using biofertilizer, Gicheha reports that his pumpkin production increased to 5 kg per head. His other crops increased in quality and yield as a result of the biofertilizer. He has now completely stopped using synthetic fertilizer and pesticides on all his crops, saving KES 7,200 a year on chemical fertilizers and KES 3,000 a year on pesticides! What's more, he has also increased his milk production as a result of having more fodder for his cows. His new daily average is 28 liters, a new record for him!

## IMPACTS



**250%** increase in pumpkin production



**40%** increase in milk production thanks to increased fodder production



Complete replacement of pesticides with biofertilizer = KES 3,000 saved per year!



Complete replacement of synthetic fertilizers with biofertilizer = KES 7,200 saved per year!