

DAVID NGANGA NDATHE

KIAMBU COUNTY | SISTEMA 12 | INSTALLATION DATE: 03/08/2018



“Biofertilizer increases yield and keeps away insect pests”

ABOUT DAVID

David grows avocados, tea, tomatoes, maize, and napier grass on his 3 acre farm. He cares for seven cows which provide him with milk, biogas and over 230 liters of biofertilizer per day through his Sistema 12 biodigester.

LIFE BEFORE BIOFERTILIZER




In order to sustain his productivity, David used to spend KES 14,000 on chemical fertilizers every year. Despite such a large annual investment, he only ever managed to harvest about 4.5kg of avocados from his trees.

LIFE AFTER BIOFERTILIZER

David has become a strong advocate for biofertilizer, using it as a fertilizer, foliar feed, biopesticide and animal feed supplement. Since using the organic fertilizer produced by his biodigester, David's avocado production has increased by over 830% and he is now able to harvest 37.5kg every year! He says all his other crops are looking healthier than ever before and, as a result, they are more productive! What is more, he has been able to stop using chemical fertilizers completely, saving him KES 14,000 per year. He is also saving more by reducing his chicken feed costs and by fermenting biofertilizer as a biopesticide to spray on his crops.

IMPACTS

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-  **830%** increase in avocado production.
 -  Other crops healthier and more productive than when using chemical fertilizers.

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-  **100%** replacement of synthetic fertilizers with biofertilizer = KES 14,000 saved per year!
 -  Reduced cost of animal feed due to using biofertilizer as feed supplement.