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Poor soil quality means poor harvests and many living in poverty

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Restoring soils impoverished by the use of chemical fertilisers and boosting the harvest is the primary motivation behind the project. The end game is improving the living conditions of women in rural areas by providing support to women’s groups in income-generating activities.

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Over time, chemical fertilisers no longer act as efficiently as they initially promise. The first uses are deceptively effective, but slowly they degrade the soil, stripping it of crucial nutrients vital to crop health. Crops grown using chemical fertilisers tend to retain chemical residues, which leads to health problems.

YVE promotes and trains young farmers in cultivation methods that allow for stronger yields with less soil fatigue and greater soil regeneration. Bokashi is a popular and effective biofertiliser. It is made by collecting locally available materials such as soil, rice husks, cow dung, bran, charcoal, ash, rock dust and molasses, and fermenting them over ten days to create a powerful nutrient-rich organic fertiliser. The use of the bokashi saw a significant increase in quality of produce.

Replacing chemical fertiliser with biofertiliser

The project works alongside several women’s groups in the area, providing training in agroecological practices which improve soil quality and fertility. So far more than 200 women have been supported by the project and many have found success in the use of bokashi. One farmer experimented with two plots of land, one with bokashi and one without. Both crops grew, but the one with bokashi grew faster.

Bokashi: cheap, sustainable and effective

Bokashi is just one of many successful measures implemented into farming life in Kpélé. Field officers are also on hand to train on numerous other agroecological techniques such as crop rotation, intercropping, companion planting and agroforestry. Vital equipment to get farms running sustainably are provided too, such as motorised pumps for market gardening activities and breeding animals for small livestock production.

The result: independence and food security

The project’s aim is simple: to restore arable land simply and organically and by doing so, improve the socio-economic situations of thousands of rural families. Several factors have contributed to the success of the project, including the commitment of group members and the fact that, unlike chemical fertilizers, the production of biofertilizers and biopesticides does not require a lot of money. The response to the project has been overwhelmingly positive, with farmers relieved to find self-sufficiency in the practices and greater food security for their communities.

“At the beginning of the project, we were not very motivated. But as soon as the ginger germinated and we saw the very green colour of the leaves, we understood that the soil was alive again; and our production was very good despite the lack of water.”

- Dokli Massa, farmer from Kpélé

Field preparation activities

Acknowledgements

Author: KUADJOVI-AYEDEU Efua
Eve Manu, Project Assistant, Young Volunteers for the Environment, Togo
Email: eve.kuadjovi@gmail.com
Web: https://web.facebook.com/jveint/

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