## Red Worms Transform Waste into Fertilizer





ENVIRONMENTAL

The fertilizer produced by worms adds beneficial bacteria to soil and improves the soil's condition and nutrients.



SOCIAL

Byoearth empowers women in urban and rural Guatemala and incorporates them in the production chain, creating a new source of income.



ECONOMIC

According to Byoearth, farmers can save 15-25% of water when they use vermicomposting.





Deployed in Guatemal



→ Byoearth promotes vermicomposting and its organic fertilizer in rural and urban communities in order to improve the living conditions of vulnerable populations.

Byoearth uses red worms to **transform biodegradable waste** into 100% organic fertilizer through a digestion process. The solution combines vermicomposting with poverty eradication in vulnerable rural and urban areas and educates farmers on how to **avoid the dependency of chemical fertilizer**. The resulting produce is sold in the most remote areas of Guatemala.

The technique of using red worms is well known and holds the capacity for more environmentally friendly waste management while at the same time **empowering women** and disadvantaged communities

## Why a Sustainia100 solution?

Forty percent of the world's soil is heavily degraded, compromising the ability to grow food and nurture families. Vermicomposting transforms waste into a business while restoring damaged soil and saving water. The solution is replicable worldwide and is already empowering women in its production process and boosting the productivity of farmers.

