ORGANIC FERTILIZERS – CURBING SOIL DEGRADATION WHILE IMPROVING SMALL FARMERS’ STANDARDS OF LIVING

Description: Providing integrated solutions of organic agricultural inputs and technical & financial support adapted to small farmers’ needs to durably enable them to protect and feed their soils, increase their yields and income.

Specificity: Providing small farmers with the necessary toolkit to adapt while attenuating climate change and durably contribute to food security.

Impact: + than 80,000 small farmers; replicability (underway) in other African countries.

LEVERS

SOILS

AGRICULTURAL WATER

RISK MANAGEMENT

FINANCING

KEY MESSAGES

SCOPE

INTEGRATED, INCLUSIVE AND SUSTAINABLE MODEL IMPLEMENTED IN MALI

Cluster approach: multi-player networking in agricultural value chains (farmers, cooperatives/OP/GIE, biomass producers, retailers, development partners), proximity/partnership between players.

Durable increase of agricultural yields: organic fertilization, water retention, sustainable agricultural practices.

Food security & nutrition: durable increase of yields and incomes, improvement of agricultural products quality & preservation.

Environment & health protection: improvement of carbon storage in soils, restoration of biodiversity & ecosystem balance, health protection for farmers, their families and consumers.

Sustainability: real appropriation (capacity building, demo, sensitization, follow-up), access to financing a climate insurance.

BUDGET

€ 3M

IMPACTS

Agricultural productivity
+25% in productivity
average increase for several crops and soils vs. conventional solutions

Climate change
Sustainable soil mgmt a GHG impact
- Durable soil fertilization
- 80 kt Co2e/year stored by 2020 = offsetting Morocco annual GHG emissions, 16% of France

Sustainable dev. goals

PLAYERS

Donors

Partners

NEXT STEPS

- Upstream and downstream integration of the offer (seeds, storage/marketing) with partners, network
- Carry on capacity building
- Evaluation of the extended integrated model
- Replication of the model

Thanks to organic inputs and training, I’ve been able to harvest sesame and cotton on an abandoned land with my group of women. Female farmer in Mali.
...CONTRIBUTING TO ATTENUATE AND ADAPT TO CLIMATE CHANGE FOR A HIGH-PERFORMANCE, HEALTHY AND SUSTAINABLE AGRICULTURE AND INVENTS NEW AGRICULTURAL SOLUTIONS

...WHILE OFFERING INNOVATIVE, QUALITY, INTEGRATED SOLUTIONS, ADAPTED TO FARMER’S NEEDS...

Organic Amendments  BioFertilizers  Biostimulants  Biopesicides
Training to sustainable agricultural practices  Technical support  Industrial support (circular economy)  Financial support

...ENABLING HIM/HER TO IMPROVE HIS/HER STANDARDS OF LIVING

INCREASE OF YIELDS & INCOMES
LAND’S HEALTH & PROTECTION
NATURAL INPUTS & FINISHED PRODUCTS
SUSTAINABLE PRODUCTION & CONSUMPTION

...WHILE PROTECTING THE ENVIRONMENT...

ATTENUATION
- Carbon sequestration
- Substitution of chemical fertilizers

ADAPTATION
- Resilient and sustainable agricultural practices
- Improved land’s health & biodiversity
ELÉPHANT VERT recognizes the benefits of organic material...

Feed soils & plants...

Organic material + Micro-organisms of agricultural interest

- Organic Amendments
- BioFertilizers
- Biostimulants
- Biopesicides

...by treating and recycling wastes going back to the soils

Vegetal wastes + Animal wastes

...and introducing targeted natural micro-organisms...

- Quality and fertility of the soils
- Health and growth of the plants
- Regulation of pests and diseases
  - Wrecked by conventional agricultural practices

Fungi + Bacteria