

Detailed Implementation & Financial Report

Climate-Smart Farming Training for Smallholders
January – December 2023

1. Project Overview

- **Title:** Climate-Smart Farming Training for Smallholders
 - **Location:** Kalulushi District, Copperbelt Province, Zambia
 - **Duration:** January – December 2023
 - **Objective:** Enhance food security and resilience by equipping smallholder farmers with climate-smart agriculture (CSA) techniques, reducing dependence on expensive inputs and promoting sustainable land management.
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2. Background & Rationale

- Smallholders in the Copperbelt face declining yields due to soil degradation, costly chemical fertilizers, and erratic rainfall patterns.
 - Climate-smart agriculture offers solutions through conservation farming, organic fertilizer use, and efficient water management.
 - This project supports Zambia's **Climate-Smart Agriculture Strategy (2017–2027)** and regional SDG targets on hunger, poverty reduction, and climate action.
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3. Activity Components

- **Training Sessions:** 200 farmers trained in CSA methods including minimum tillage, composting, and crop diversification.

- **Demonstration Plots:** Established to showcase CSA practices and track results.

- **Organic Fertilizer Use:** Promoted production and application of compost and manure.
- **Soil & Yield Monitoring:** Regular testing to measure improvements.
- **Community Awareness:** Field days and farmer-to-farmer exchanges organized.

4. Detailed Execution Phases

Phase 1 – Planning & Mobilization (Jan–Feb 2023): Recruited farmers, identified demo sites.

Phase 2 – Training & Demonstrations (Mar–Jun 2023): Training delivered; demo plots established.

Phase 3 – Implementation & Monitoring (Jul–Oct 2023): Farmers applied CSA methods on their own fields; monitoring conducted.

Phase 4 – Evaluation & Knowledge Sharing (Nov–Dec 2023): Yields compared, lessons documented, field days held.

5. Implementation Timeline

Phase	Timeline
Planning & Mobilization	Jan – Feb 2023
Training & Demonstrations	Mar – Jun 2023
Implementation & Monitoring	Jul – Oct 2023
Evaluation & Knowledge Sharing	Nov – Dec 2023

6. Outcomes & Impact

- **200 smallholder farmers trained** in CSA techniques.
- **4 demonstration plots** established across Kalulushi District.
- **Maize yields increased by 25%** compared to conventional practices.

- **Fertilizer costs reduced by 40%** among participating farmers.

- Improved soil health indicators (higher organic matter, reduced erosion).
- Farmers formed a **CSA learning group** for peer support.

7. Key Partners

- **Zambia Agriculture Research Institute (ZARI):** Technical expertise and soil testing.
- **Local Chiefs:** Mobilization and community endorsement.
- **District Agricultural Office:** Monitoring and extension support.
- **Funding Partner:** International agricultural adaptation donor.

8. Farmer Testimonials

“We used to depend on costly fertilizer. Now, with compost, our yields are better, and expenses are lower.”
— **Peter Mwape, Smallholder Farmer**

“The demo plots showed us results we could see with our own eyes — that convinced us to change.”
— **Lydia Chileshe, Farmer Group Leader**

9. Financial Report – Donor Grant (\$30,000)

Budget Item	Amount (USD)	Description
Farmer Mobilization & Planning	\$3,000	Recruitment, logistics
Training Workshops	\$8,000	Facilitators, venue, training materials
Demonstration Plots	\$6,000	Land preparation, inputs, tools

Soil Testing & Monitoring	\$4,000	Lab services, field monitoring
Community Awareness (Field Days)	\$4,000	Exchange visits, awareness campaigns
Monitoring & Evaluation	\$3,000	Surveys, yield comparison, reporting
Administration & Contingency	\$2,000	Coordination, staff, communication
Total	\$30,000	Grant Allocation

Summary

The Climate-Smart Farming Training project empowered 200 smallholders in Kalulushi with sustainable practices that boosted yields, reduced input costs, and improved soil health. By fostering peer learning groups, the project ensured knowledge sharing and created pathways for scaling CSA practices across the Copperbelt.

Yours faithfully,



Lukachi Banda

Executive Director

Barlistrive Cooperative Society