

Grow Further, problems addressed

Food insecurity: Hunger/malnutrition and rural poverty, exacerbated by climate change, calls for innovation

Problem #1

- Agricultural scientists with big ideas to address food insecurity struggle to get funding
- Especially smaller projects, overlooked areas like neglected and underutilized crops

Problem #2

- "I want to support the future of food security. How do I get involved?" has no answer outside of a career
- Unlike medical research, food banks, etc.
- American individuals outgive foundations 5:1 in general





What Grow Further Does

1. Make open and open-ended grant announcements

 Example: Help smallholder farmers adapt to climate change, propose an R&D project in any field

 Why: Culturally relevant, efficient vs. inhouse operations

2. Aim high

- 700+ applications in 1st announcement
- #1 criterion: Will the results be adopted and reach scale?



What Grow Further does

3. Engage

Engage farmers

 Donors and volunteers from different backgrounds like an angel investment group



CSIR-Savanna Agricultural Research Institute

- Council for Scientific and Industrial Research is a Ghanaian government research institute
- SARI, located in Tamale, northern Ghana, spun off Crops
 Research Institute in 1994
- Mandate: "provide small-scale farmers in the three regions of northern Ghana (Northern, Upper East and Upper West) with appropriate innovations and technologies to increase their food and fibre crop production based on a sustainable production system which maintains and/or increases soil fertility."



Project Background

 Bambara groundnuts have numerous benefits but underresearched

• Limited production in Ghana vs. Nigeria, no commercial varieties

- WhatIf Foods buys beans for milk production (proprietary variety)
- CSIR-SARI has 96 diverse and non-duplicate accessions ready to test and release as a commercial variety



Project Overview

Project Title: Promoting Bambara groundnut (Vigna subterranean) production, adoption and utilization for food and nutrition security and increased income for smallholder farmers in northern Ghana



Project components (participatory plant breeding)

Socioeconomics

- Survey focused on gender trait preferences (e.g., early maturity)
- Baseline survey for evaluation
- Participatory evaluation and sensory analysis

Scientific Research

- Multi-location, advanced yield, and mother-baby trials
- Fertilizer and weed control trials

Extension

Innovation platforms and farmer field school demonstrations



Recognition

- US State Department VACS Champions
- Ghanaian media: GH One TV, Business Ghana, Ghanaian Standard, Ghana News Agency
- US Media: Global Washington, UC Davis CA&ES Highlights, Real P3 podcast, Big Show podcast
- Other media: Farmers Review Africa, Kenya Farm to Table podcast, interview with major British newspaper









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