

Compatible Technology International



Global nonprofit with 35 years in post-harvest handling and processing for smallholders

Technical experts and support from food companies







Training



Product Development

TECHNICAL EXPERTISE

RESEARCHER Don Jacobson

A biochemist formerly in R&D at the General Mills and Pillsbury





AGRONOMIST

Dr. Vern Cardwell

Spent 42 years teaching at the University of Minnesota in Agronomy and Plant Genetics.

FOOD SCIENTIST Miranda Grizio Works in R&D for the



UNDERSTANDING THE NEED

Intersection of hunger, stable food supply and climate change





CHRONIC HUNGER AND POVERTY

- >820 million hungry
- >2 billion malnourished

1/3 of the food produced for human consumption is lost or wasted



Why Africa?

1/4 of Sub-Saharan Africa is food insecure, 35 billion dollars in food imports every year and expected to grow, high unemployment, growing population, lack of infrastructure....

By focusing on Africa, we will improve:

- Sustainability
- Peace and security
- > Well-being

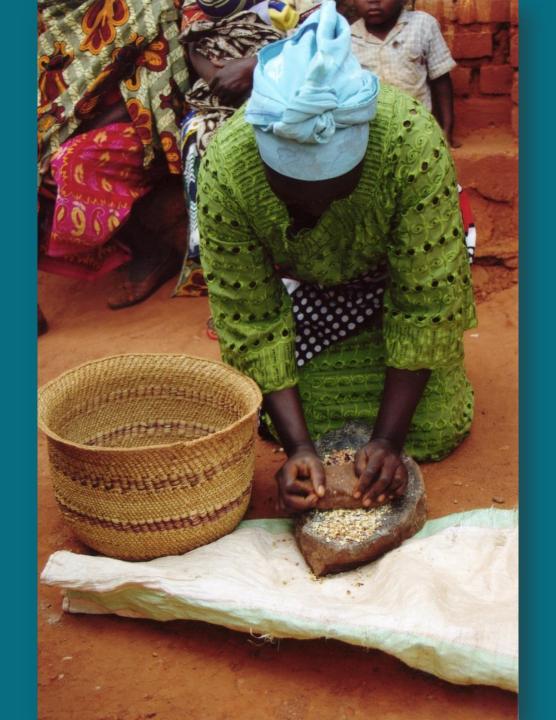
OUR ASPIRATION

An Africa that can feed herself

- When farmers can nourish their families and sustain their communities
- When we eliminate women's drudgery and invest in their livelihoods
- > When we invest in postharvest business solutions









PEARL MILLET

Feeds 500 million people worldwide

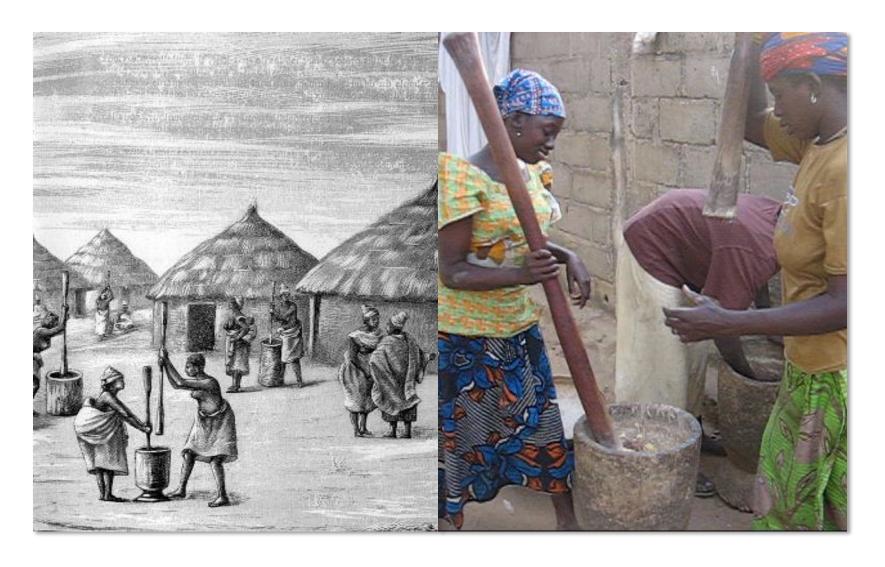
The most widely grown crop in Senegal

- Drought resistant
- > Nutritious

Traditional Pearl Millet Processing



- > Wasteful (25-40% lost)
- > Time & labor intensive



1890

Today



CHALLENGES

- > Manufacturing
- > Distribution
- > Promotion
- > **ROI**





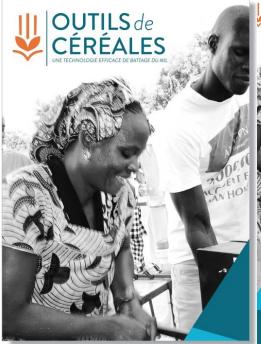


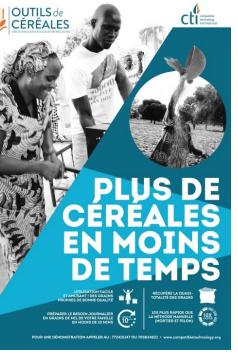


African Assembly









POSTER FOLDED

POSTER UNFOLDED

Promotion







FARMERS NEED A RETURN ON INVESTMENT

More food security and nutrition

Increased revenue

Local products sold in neighboring markets

> Bulk sale to local processors and buyers



















Scaling: <u>Models for Expansion</u> in 9-12 countries across Sub-Saharan Africa by 2025

- Portfolio of tools to process and preserve protein rich crops
- Technology Service provision business models for African manufacturing, distribution and post-sales support
- Social franchising and business training for smallholders (especially women and youth)

Technology Portfolio







Soybean Innovation Lab: Multi-crop Thresher









How You Can Help

- Provide technical expertise for programs
- Become a CTI ambassador to open new doors for CTI to tell the story
- Contribute financially to our successful impact in Africa



