



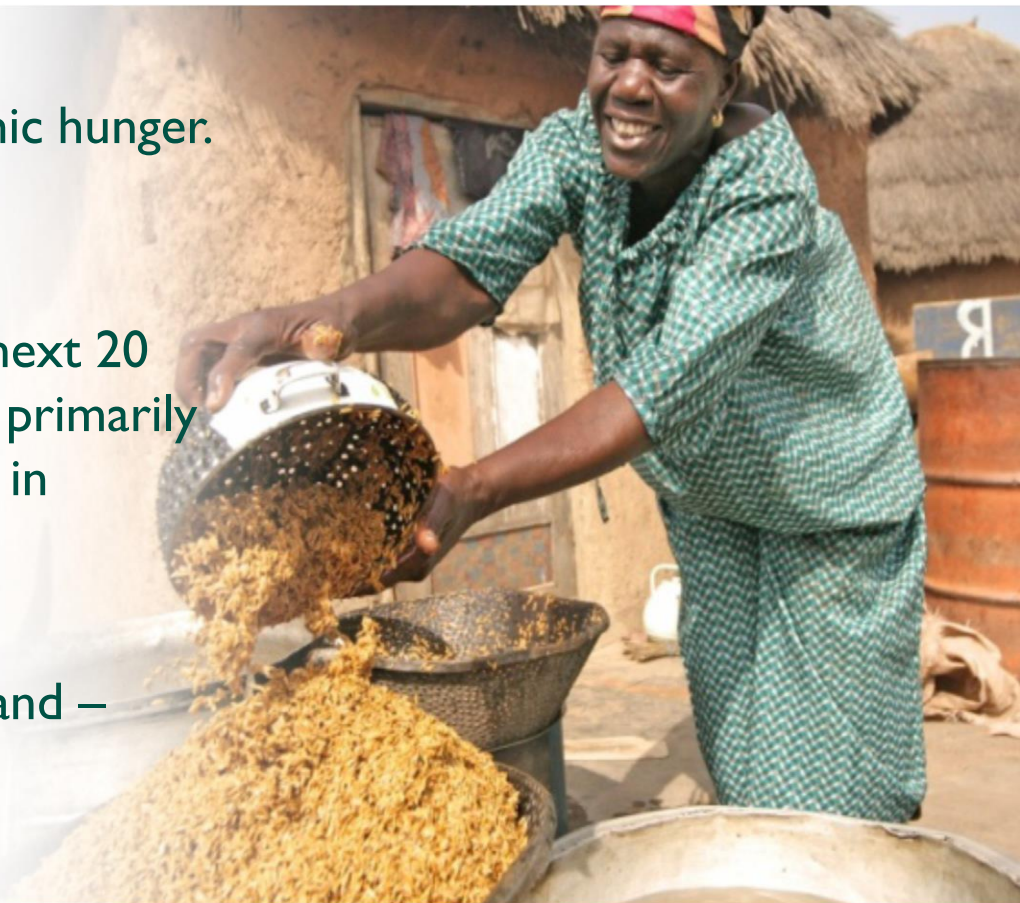
Feed the Future Innovation Lab for Peanut

(Peanut Innovation Lab)



The Global Challenge: Achieving Sustainable Food Security

- 925 million people suffer from chronic hunger.
- Demand for food is projected to **increase by 50 percent** over the next 20 years. Increased demand will come primarily from population and income growth in middle-income countries.
- Diversified diets increasingly in demand – especially animal source foods.





FEED THE FUTURE

The U.S. Government's Global Hunger & Food Security Initiative

Feed the Future Innovation Labs

- Contribute of US Global Food Security Strategy
- Support multi-disciplinary agriculture research using modern science
- Long-term commitment to achieving objectives
- Partnering with and investing in US and national research institutes
- Committed to institutional capacity building, including graduate degrees



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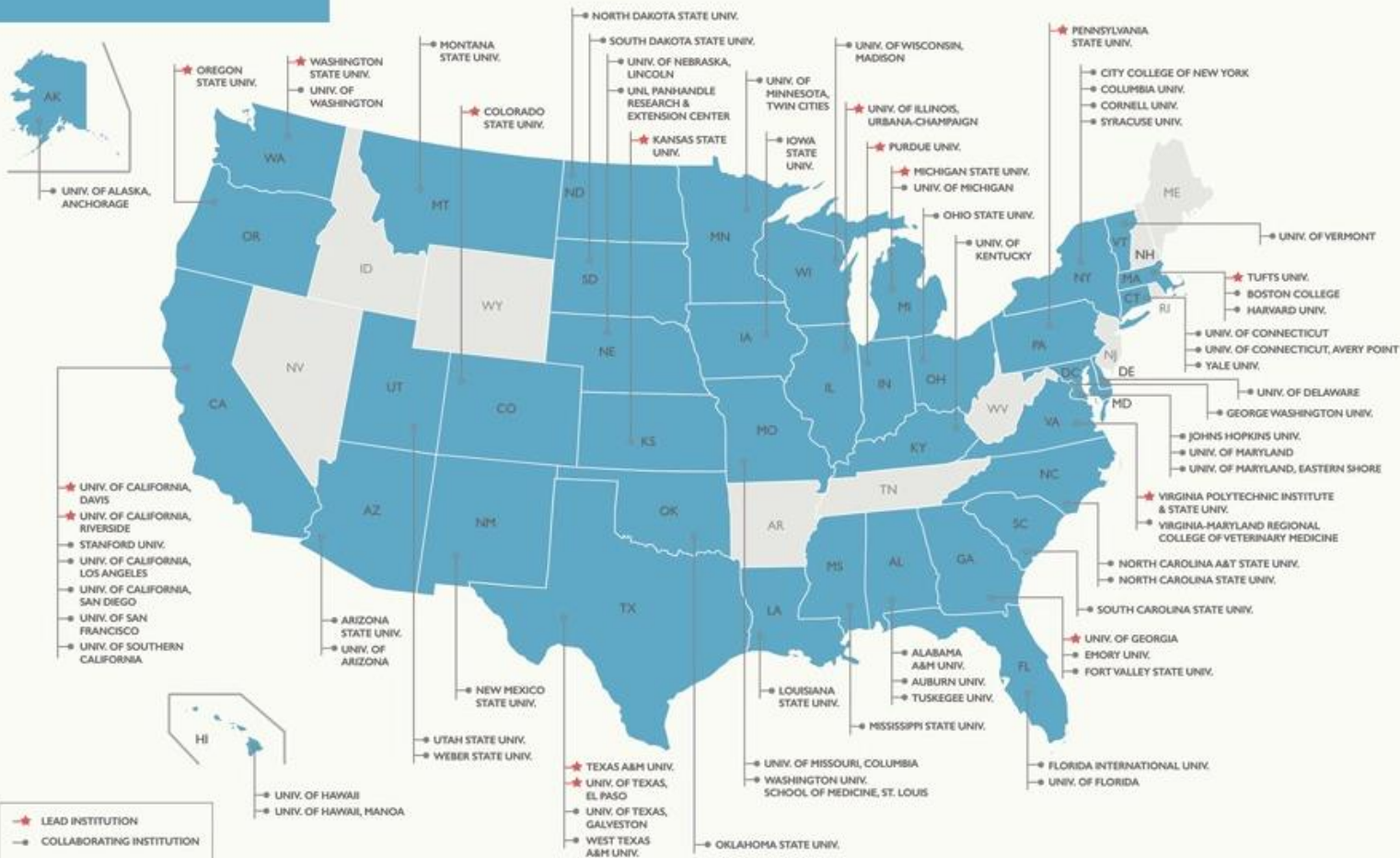


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FEED THE FUTURE WORKS WITH U.S. UNIVERSITIES TO FIGHT GLOBAL HUNGER



The Feed the Future initiative partners with universities throughout the world. This is a sampling of university partners located in the United States. For more information and updates, visit www.feedthefuture.gov or follow on Twitter @FeedtheFuture.



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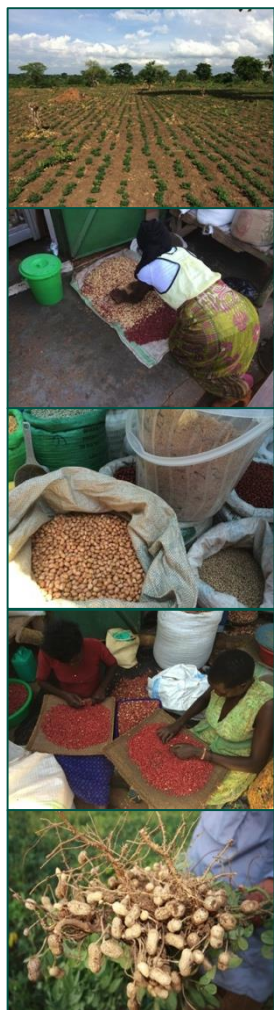


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UGA and Global Peanut Research

- Leadership for:
 - Peanut Collaborative Research Support Program 1982-2012
 - Peanut & Mycotoxin Innovation Lab 2012-2017
 - Peanut Innovation Lab 2018-2023
- Supported research projects in 32 countries
- Partnered with 16 institutions in 12 US States
- Trained over 250 BS, MS and PhD students from 26 countries, including over 60 from the USA
- Increased peanut productivity, quality and profitability in the USA and globally





Impactful peanut

- Global importance (39 million tons, 95% in developing countries)
- Highly nutritious (protein, fiber, unsaturated fats, RUTF/RUSF)
- Valuable as a legume in cereal systems (fixes nitrogen)
- Often a women's (and cash) crop



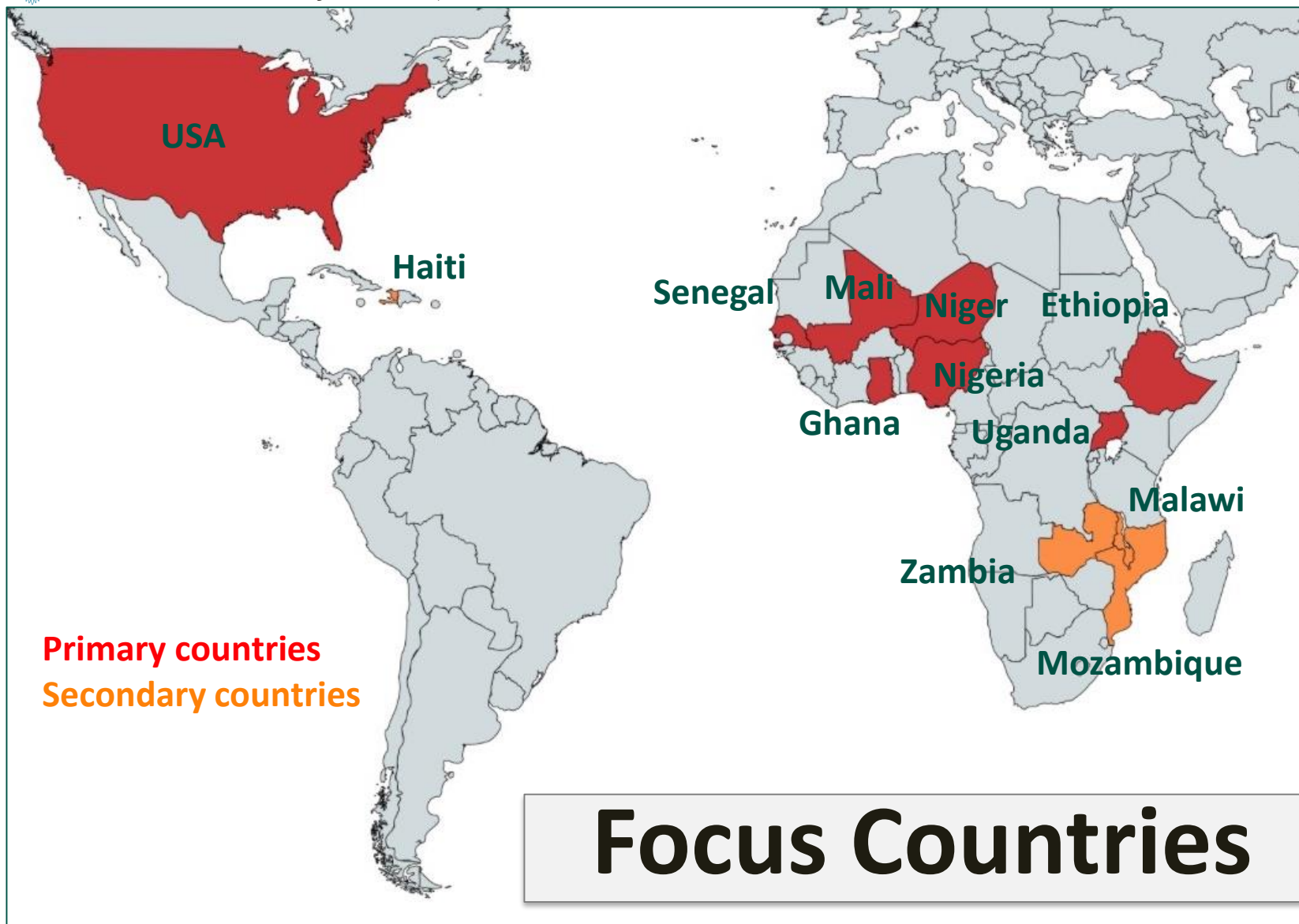
Eating Peanuts Daily Significantly Reduces All-Cause Mortality

Albany, GA, November 21, 2013. - A major study published in the *New England Journal of Medicine*, showed that men and women who ate an ounce of peanuts daily reduced their risk of death from all causes by up to 20%. Results also showed that peanut eaters were leaner. This gives people another great reason to get their daily handful of peanuts.



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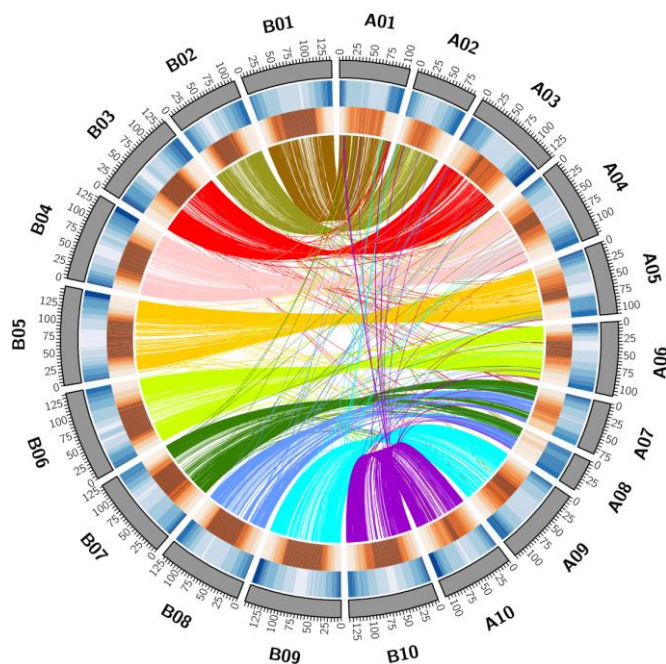
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Determining existing peanut diversity using modern genomics



~2000 African lines
~2500 US lines

UGA Team led international peanut
sequencing effort



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Capturing new diversity from wild relatives

Wild Peanut Relatives



Cultivated Peanut



Arachis duranensis X *Arachis ipaënsis*



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Testing production packages for crop, pest & disease management



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Improving drying and storage



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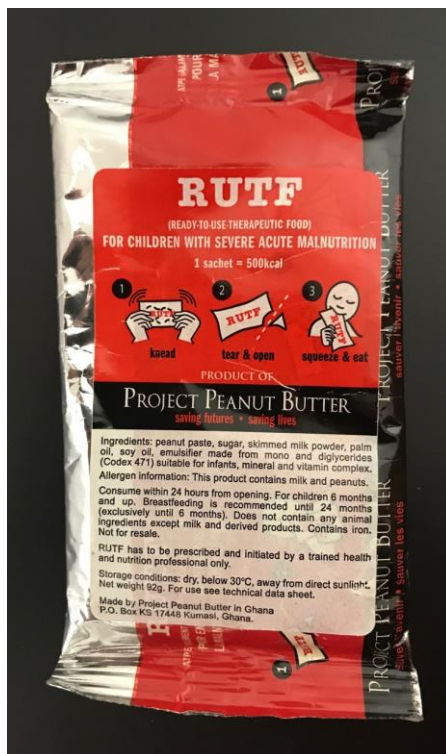
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Linking farmers to local & regional markets



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Understanding nutritional benefits



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Capacity Building

- MSc & PhD students
- Short-term training
- Training videos, manuals, guides
- Infographics



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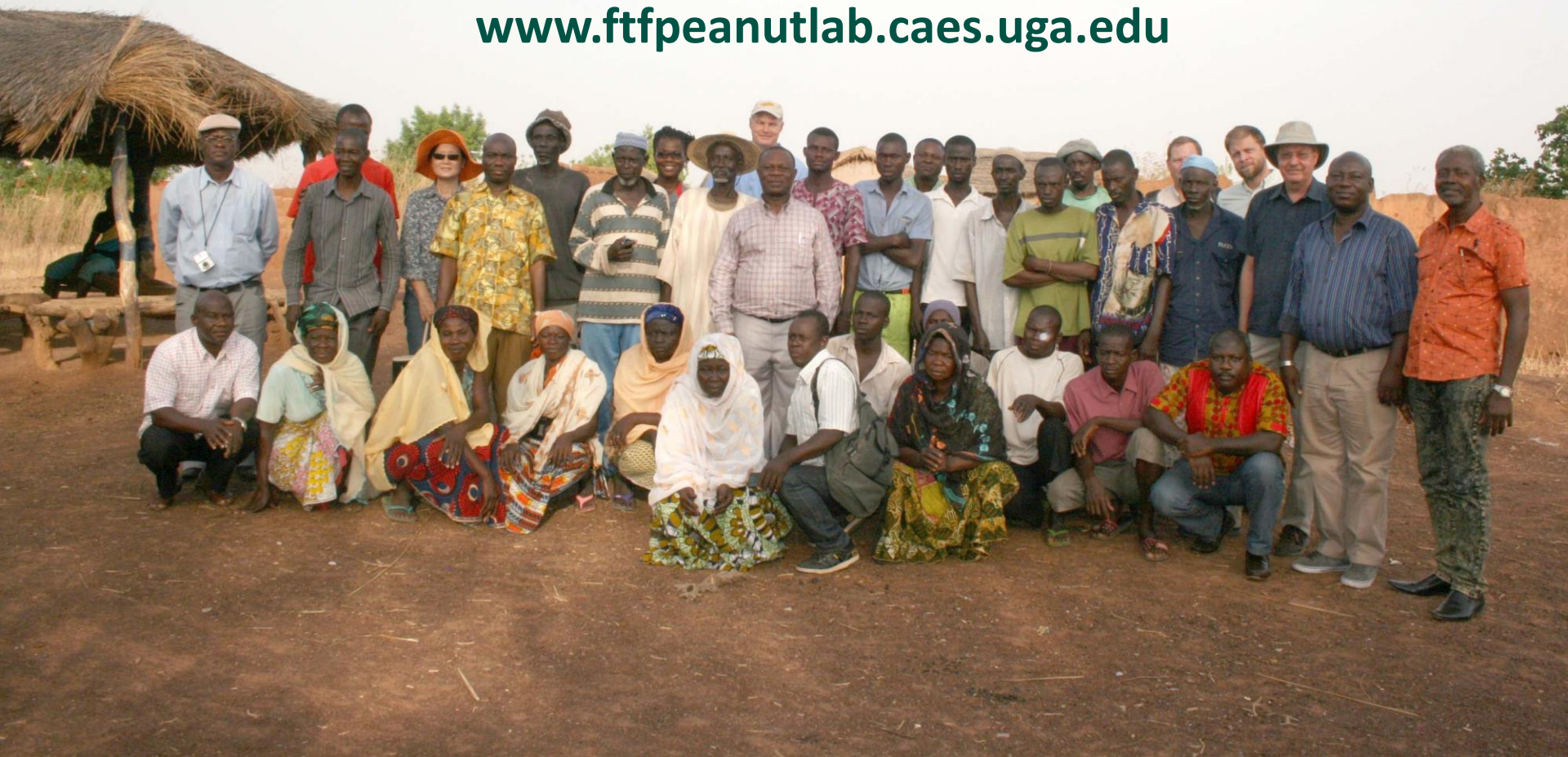
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