



Feed the Future Innovation Lab
for Collaborative Research on
Grain Legumes



Enhancing Pulse Value Chain Performance
through Improved Understanding of
Consumer Behavior and Decision-Making



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The BIG Question

Who drives what we do?



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The Central Role of Choice

Whenever choices exist,
decisions arise

“In the absence of choice, there
is NO decision”... GLS Shackle



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The Central Role of Choice

Understanding consumer choice is primary
to the overall success of our productivity,
health and nutrition objectives

– As opposed to assuming that we know!

Two possibilities:

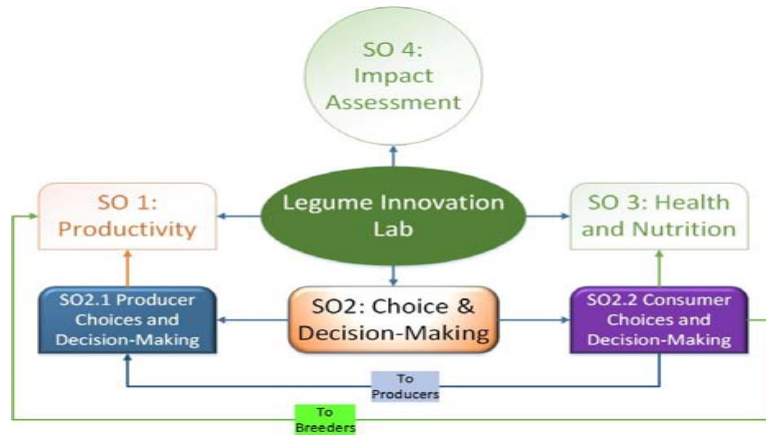
– What we find is congruent with our assumptions → then we
are clairvoyant

– What we find is NOT consistent with our assumptions →
rethink our entire strategy



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Consumers Drive Innovation . . . And If Not, They Should



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BUT...

- People (consumers) often **do not know** WHY they do what they do
- People are more likely to **know** why they do not do what they do not do
- This calls for careful methods of enquiry
 - If we ask, we will always get answers
 - BUT these may be just that... answers



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Our Job / Strategy

- Help the consumers to tell us why they do what they do by
 - Presenting them with alternatives to what they do, and
 - Altering them to trade
- ==> Discrete Choice Experiments



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Discrete Choice Experiments (DCEs)

- Discrete Choice Experiments (DCEs) provide a way to elicit tradeoffs among alternatives
 - With roots in Game Theory
- Three major goals
 - State of the situation
 - Food hierarchies
 - Revealed / stated preferences



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Situation Analysis

Production and consumption of beans

Using secondary data
- LSMS, LCMS



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Food Hierarchies & Revealed/Stated Preferences

Attributes

Attribute levels

Ranking



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Three Countries

Malawi (LUANR)

Tanzania (SUA)

Zambia (UNZA) – used as a pilot to streamline and optimize the instrument



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Identifying the Attributes



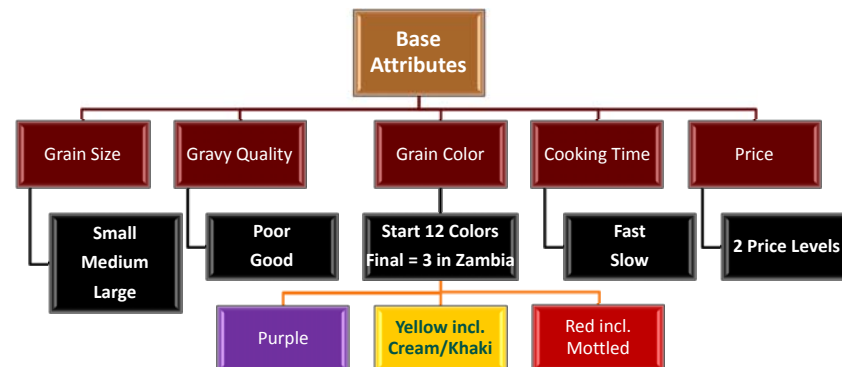
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Identifying the Attributes



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Attributes & Levels



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Attributes and Levels

We will be able to isolate the **elasticity** of these attributes on choice and **rank** them to help breeders and producers make better choices

With the hope of maximizing commercial sustainability of varietal lines



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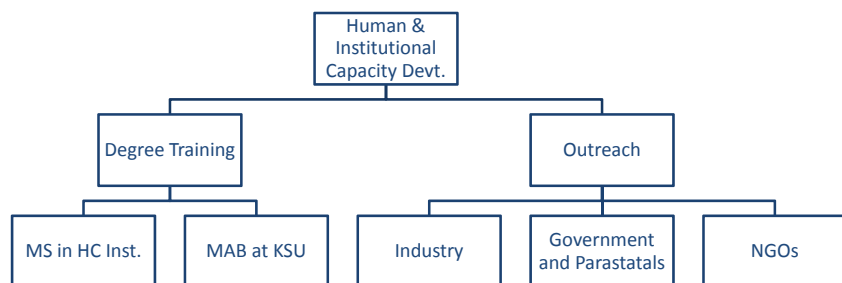
Human and Institutional Capital Development

- Degree
- Outreach



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Human and Institutional Capital Development



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Degree Programs

M.Sc. / MA in host-country institution

MAB at Kansas State University
- Industry focus



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Six Students in 3 Institutions in 3 Countries

Country	Name of Student	Sex	Degree Program	University
Malawi	Mazunda, Marynia	Female	M.Sc. Ag. Econ	LUANR
	Moyo, Nyumbani	Male	M.Sc. Ag. Econ	LUANR
Tanzania	Mfikwa, Adelina	Female	M.Sc. Ag. Econ	SUA
	Chenguda, Ocran	Male	M.Sc. Ag. Econ	SUA
Zambia	Pele, Winnie Kasoma	Female	MAB	KSU
	Sichilima, Timothy	Male	M.Sc. Ag. Econ	LUANR



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Some Successes from Phase I - Undergraduate

Name	Sex	Degree	Current Status
Chilundika, Natasha	F	B.Sc. Agric.	Rhodes Scholar, UO, UK
Zulu, Esther	F	B.Sc. Agric.	Fullbright Scholar, CMSU, USA
Mzyece, Agness	F	B.Sc. Agric.	Fullbright Scholar, KSU, USA
Samboko, Paul Chimuka	M	B.Sc. Agric.	CMAAE Scholar, UP, RSA
Sunga, Chalwe	F	B.Sc. Agric.	MA Economics, UCT, RSA
Ngoma, Ednah	F	B.Sc. Agric.	Research Associate, Musika
Chishimba, Elizabeth	F	B.Sc. Agric.	Finalizing research papers
Sambo, Jairos	M	B.Sc. Agric.	Finalizing research papers
Nhlane	M	B.Sc. Agric.	Finalizing research papers



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Some Successes from Phase I - Graduate

Name	M	Degree	Current Status
Chilala, Conard	M	MA Economics, UNZA	Zambia Revenue Authority
Chiona, Susan	F	M.Sc. Agric. Economics, UNZA	M&E Officer, WFP
Mtchotsa, Lydia	F	MAB, KSU	Design, Monitoring & Evaluation Manager, WVI
Mwansa, Martin	M	MAB, KSU	Regional Manager, Food Reserve Agency
Mwansa, Sosthenes	M	MAB, KSU	M&E Officer, CIP-SSA



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Outreach

In-Person

Technology-Mediated Learning



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