

Mobile Grain Storage to Reduce Postharvest Loss in SSA, a qualitative appraisal

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Grain Postharvest loss (PHL) wastes:

- Grain quality (ecosystems, ForEx)
- Health @500 million suffer (IRAC, 2016)

Intellectual lacuna of breeders who do not mention the mold their technologies (or Aflasafe) grow in sealed/hermetic or modified atmosphere and poor surplus grain storage (Gressel, 2018)

Production safe surplus:

Inputs

- Ecosystem services, m\$, seed, mech...
- Logistical Platform (Asset)
 - manage moisture at harvest - quality
 - stop abiotic/biotic at control locations
 - primary process safe nutrition

Warehouse/Silo are far away:



Without Rights or Control **Lack Meaning**

Far away bottlenecks limit:

- Moisture management
- Threshing
- Aggregation
- Monitoring
- Processing
- Nutrition



surplus becomes loss

15 to 50 tonnes of
Scalable grain
security

Breathing, easy
access lid and panel

Mobile utility

grain, pulse and oilseed storage

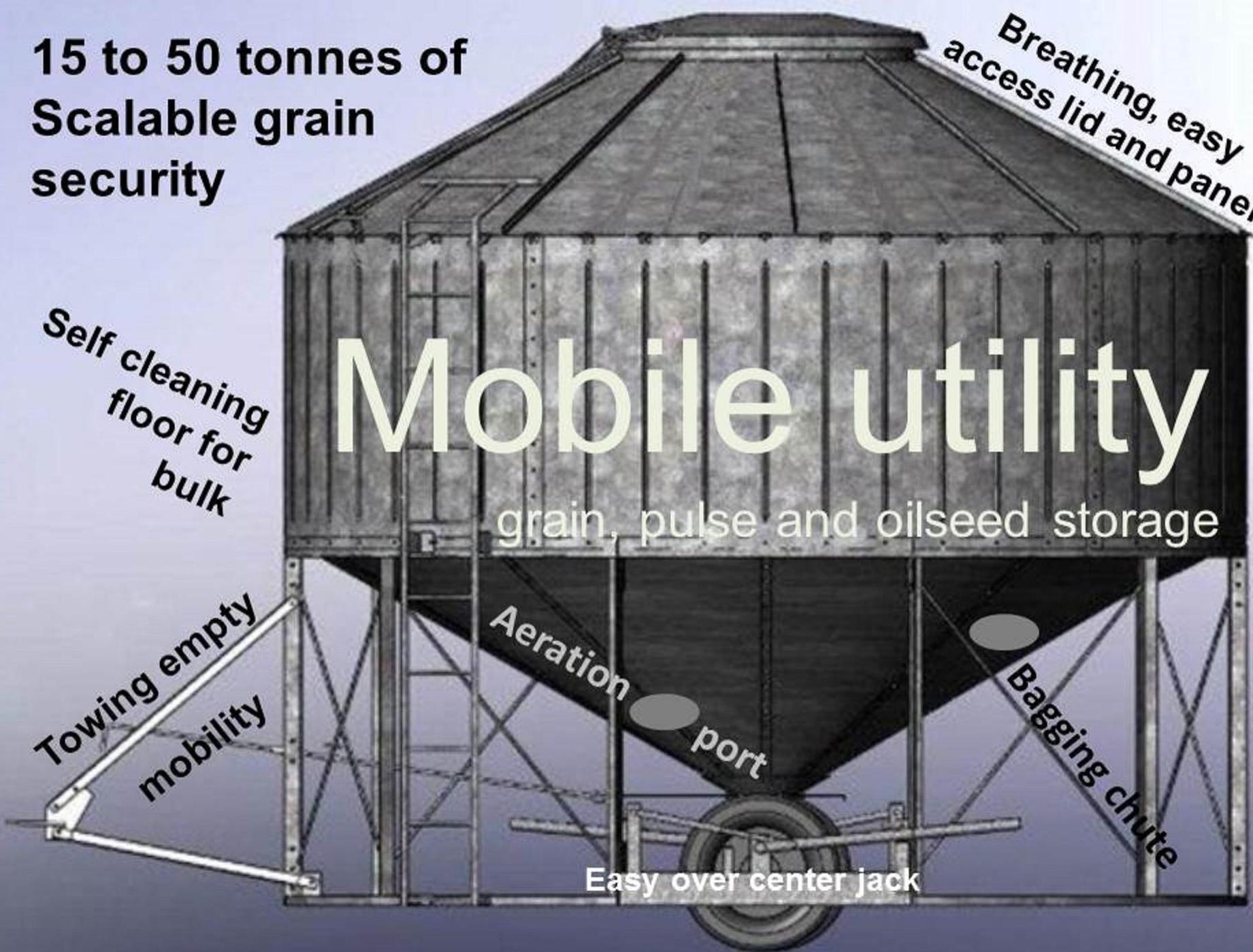
Self cleaning
floor for
bulk

Towing empty
mobility

Aeration
port

Bagging chute

Easy over center jack



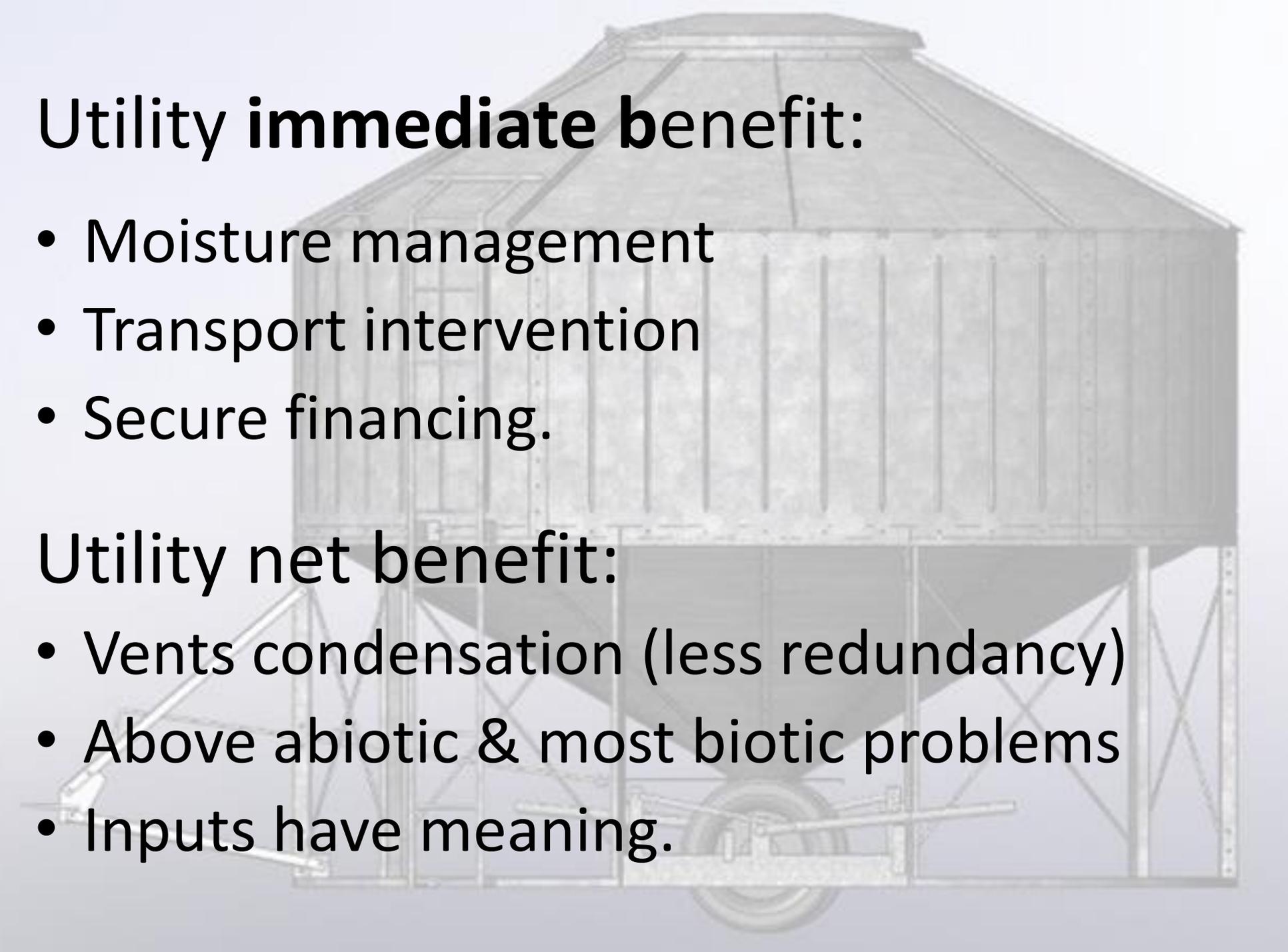


Mobile leases disrupt:

- Mold and other PHL
- Patriarchs, Opportunists
- SSA input agribusiness/NGOs

Mobility awards rights to manage moisture, thresh, aggregate, monitor, process Net benefit (Proctor, 1994).





Utility **immediate** benefit:

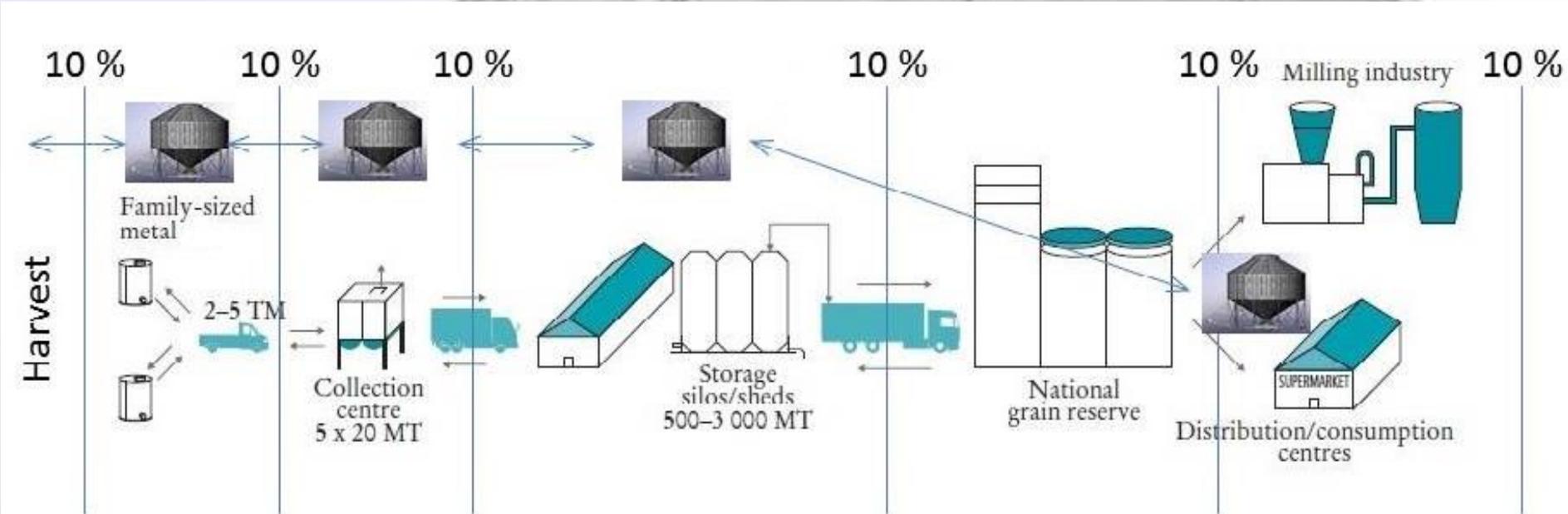
- Moisture management
- Transport intervention
- Secure financing.

Utility **net** benefit:

- Vents condensation (less redundancy)
- Above abiotic & most biotic problems
- Inputs have meaning.



10% quality + security * 3 meaningful



Source: FAO 2015 D. Mejla and modified by author

Rights to Net benefit & ForEx

FtF PHL Fact Finders - Ejura, Ghana (2013)



Washburn KSU, Balappah EAC, Armstrong ARS, McNeill UoK evaluation was positive.

Stationary Sealed Technologies tested by FtF PHLIL Ejura, Ghana (Opit, 2017)



Stationary Warehouse Prejudice

What is so disruptive, that literature searches including mobile vented are a challenge?

- Kumar (ADMI), Ampuko (AAPHCE), Baral (IFPRI)

Why are:

- FinGAP Incentive Grants
- ADVANCE Preharvest Agribusiness/Forum/Events
- WFP Action Research & MIT initiatives
- NRI - FAO Grain Store Selector
- NRGp/GASSIP, GCAP, SEND-Ghana etc

impediment to options?

Is someone other than input agribusiness prejudiced to stationary profit (Wilson, 2015)?



Aflasafe is receiving considerable external support... this should not exclude close monitoring by those not connected to IITA (Stepman, 2018).

 **One Acre Fund**
47,611 followers
1d

“It’s because of my success in farming that my children have reached a higher level of education and have a sense of direction in this world. They are able to see things outside of our village life, and it opens up their minds.” — Theresa Wanyama, Kenya.



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Due diligence is needed so Development incentives awarded Financial Organizations, impact SMiLES.



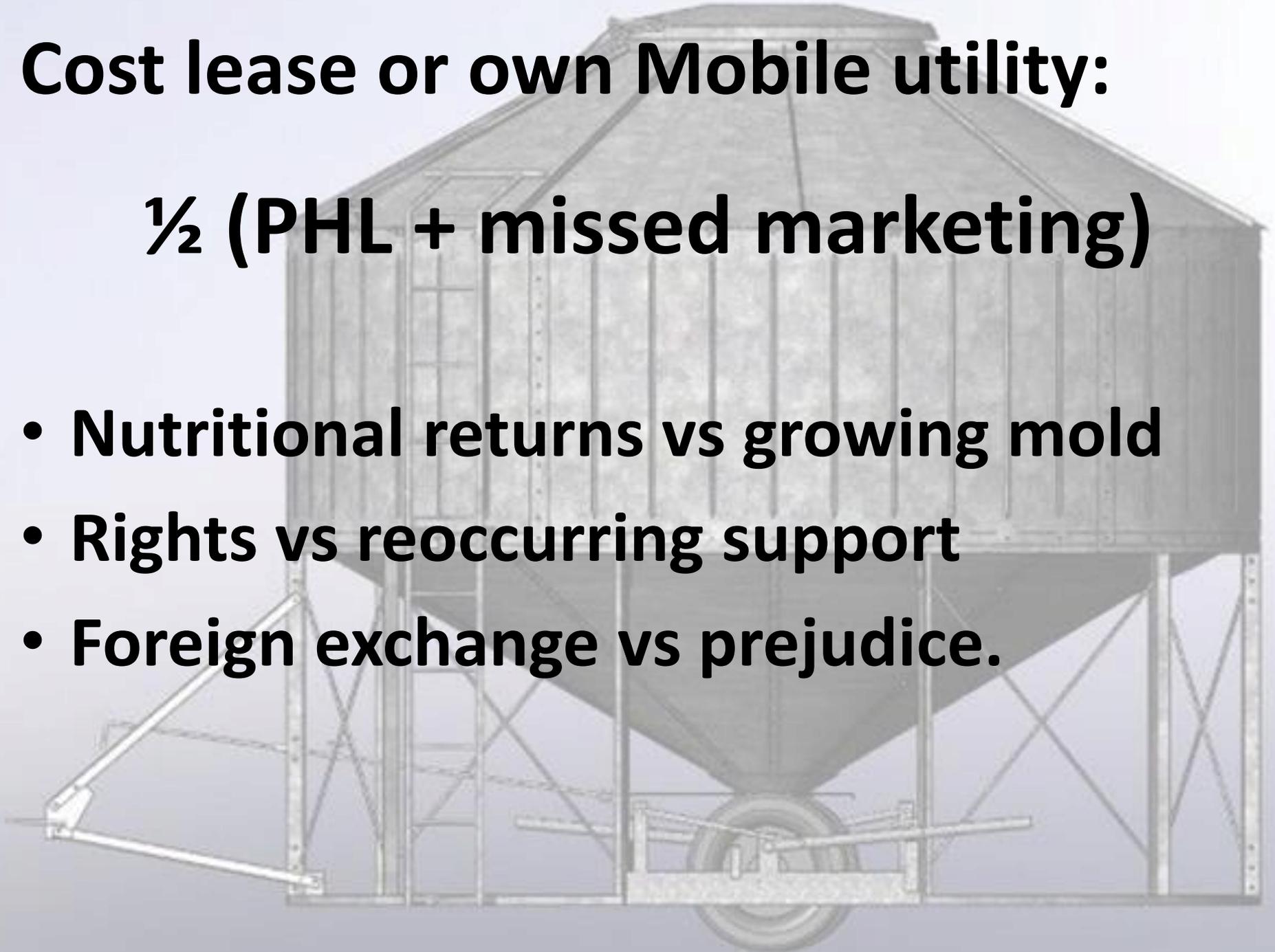
Awareness of PHL is growing, However ADVANCE Preharvest Agribusiness/Forum/Events never discuss mold.

Program of Activities		Program of Activities	
7.30am	Conference Registration	12.30pm	Lunch Exhibition Ongoing Networking and Business Meetings
9:00am	Opening Session Opening Prayer Welcome Remarks by Chief of Party, ADVANCE Statements by – Chief of Party, ATT – USAID Mission Director Guest of Honour – Northern Regional Minister Keynote Address – Honourable Minister of Food and Agriculture	2.00pm:	Session Two: The Market Place Commodity breakout groups – where buyers and producers discuss expected demand, expected production, and price expectations – Maize – Rice – Soybean Exhibition Continues
9:40am	Communications by Headline Sponsor	4:15pm:	Plenary Session – Presentation of Conclusions from Market Place – Maize Group – Rice Group – Soybean Group
10:40am	Session One: Experience Sharing Panel Discussion: Moving Forward without ADVANCE	4:30pm:	Conference Closing – Completion and collection of evaluation forms – Closing Remarks by FAGRO – Closing Prayer
10:50am	Communications from GOLD Sponsors Presentation of Awards to Women Farmers (Commemoration of UN International Day of Rural Women)	6:00pm	Networking and Business Meetings Exhibition Closes / End of Event
11:00am	Opening of Exhibition Refreshments/Snacks Networking and Business Meetings		

Cost lease or own Mobile utility:

$\frac{1}{2}$ (PHL + missed marketing)

- Nutritional returns vs growing mold**
- Rights vs reoccurring support**
- Foreign exchange vs prejudice.**



PHL is expensive, not assets that adapt



Thank you.