

# ***Cross-Country Evidence of Postharvest Loss in Sub-Saharan Africa: Insights from Purdue Improved Crop Storage (PICS) Project***



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# Data from 5 countries so far

Smallholder household survey

Benin: 360 households

Nigeria: 2,010 households

Ethiopia: 300 households

Uganda: 1,193 households

Tanzania: 309 households

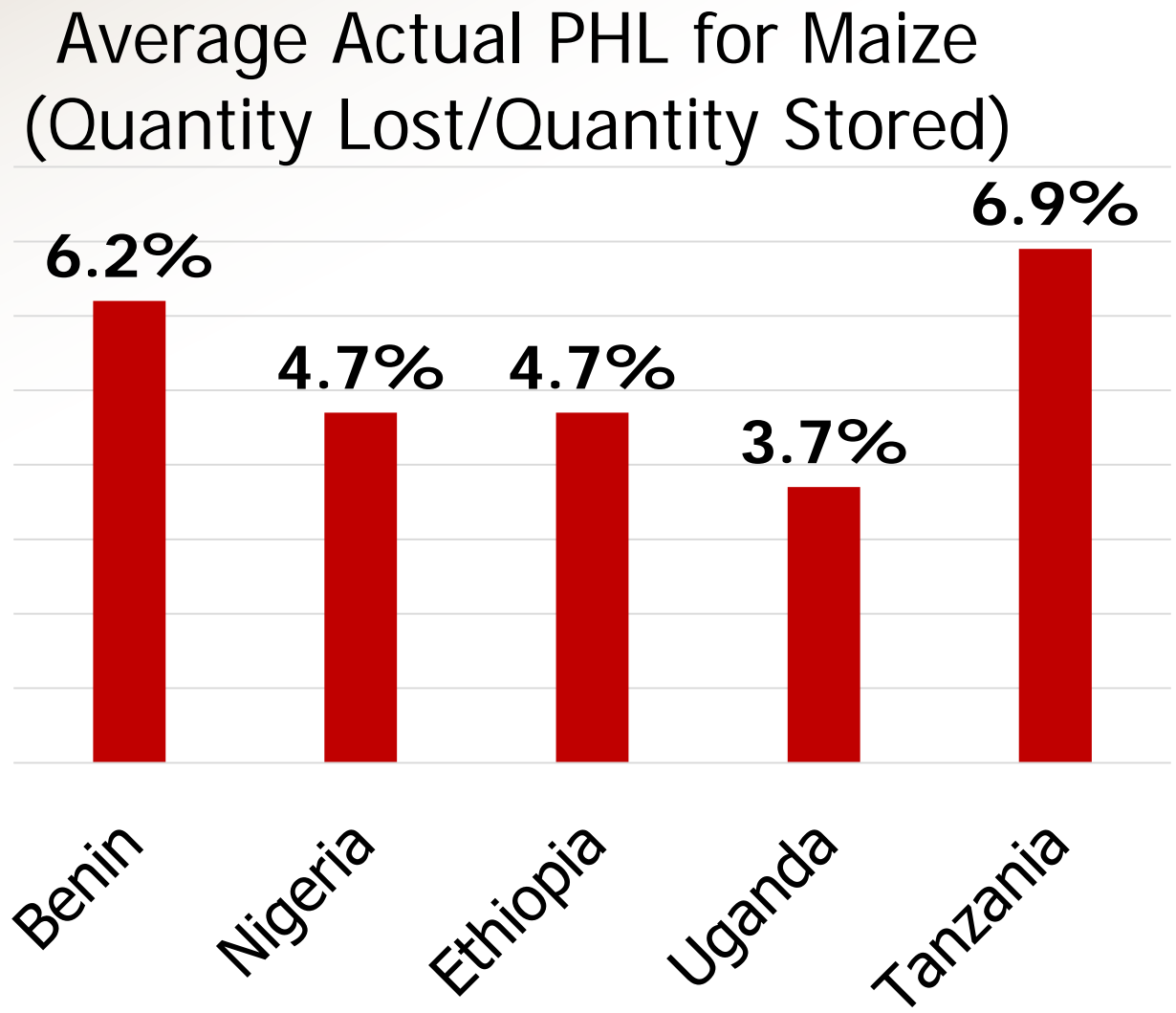


# Status of Postharvest Loss

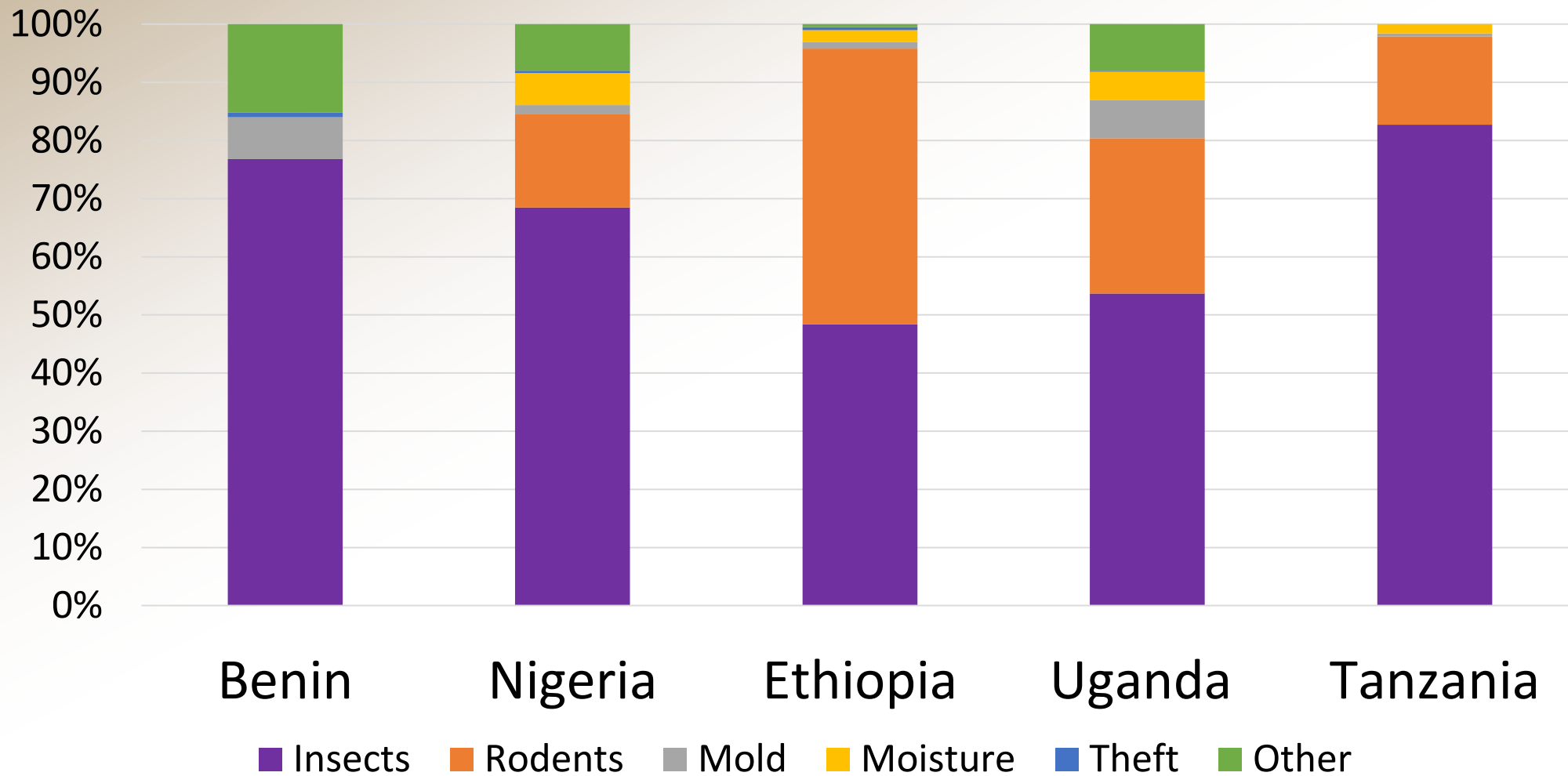
Postharvest loss is the outcome of:

- Environment
  - Pest pressure
  - Climate
- Farmer behavior
  - Storage Technology
  - Storage time
  - Savings/Liquidity

**Farmers take action to reduce PHL!**

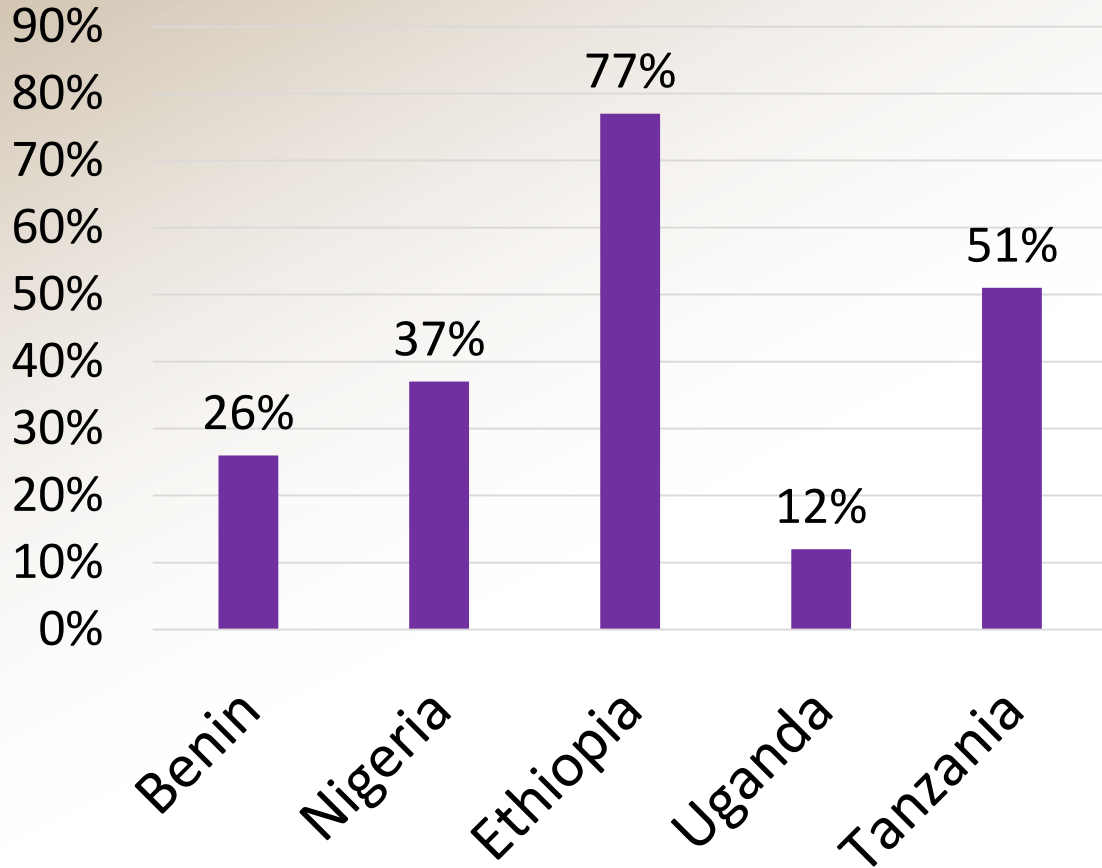


# Major Source of PHL in Maize

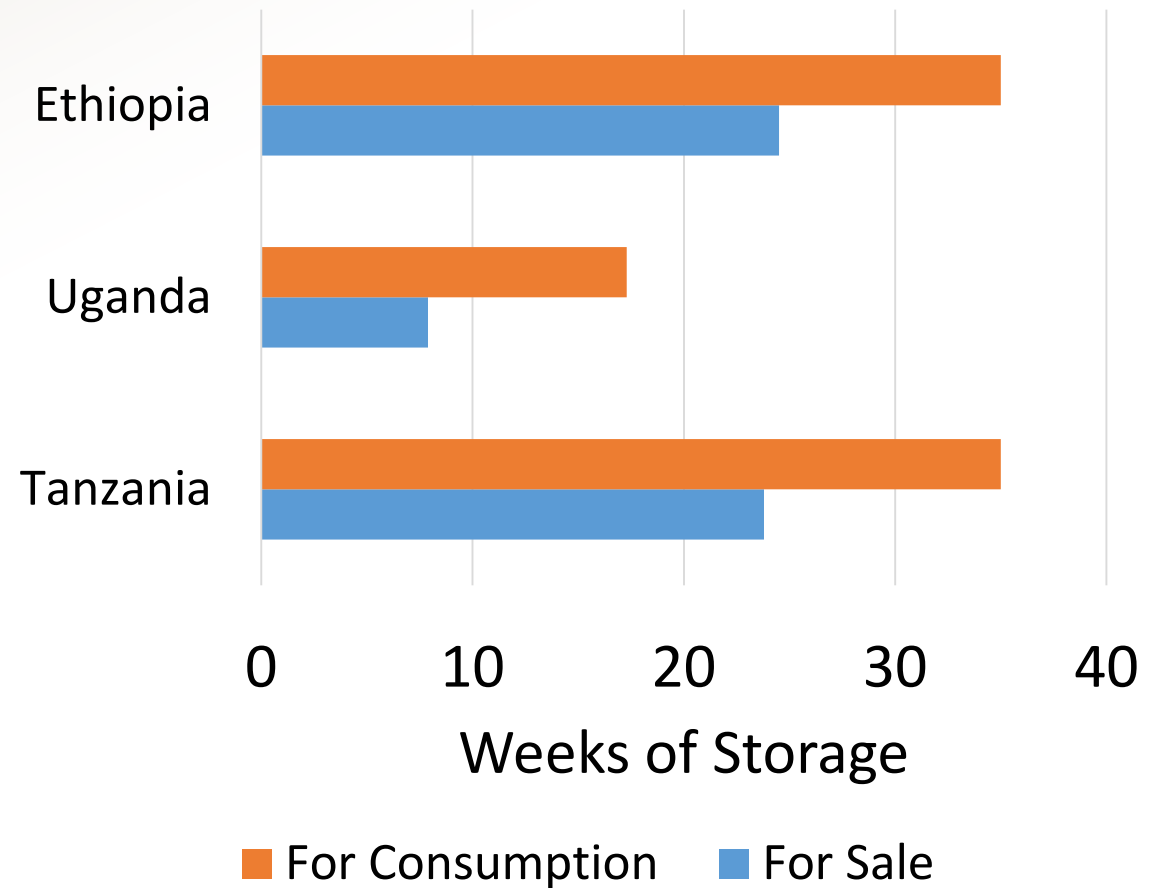


# Farmer Behavior

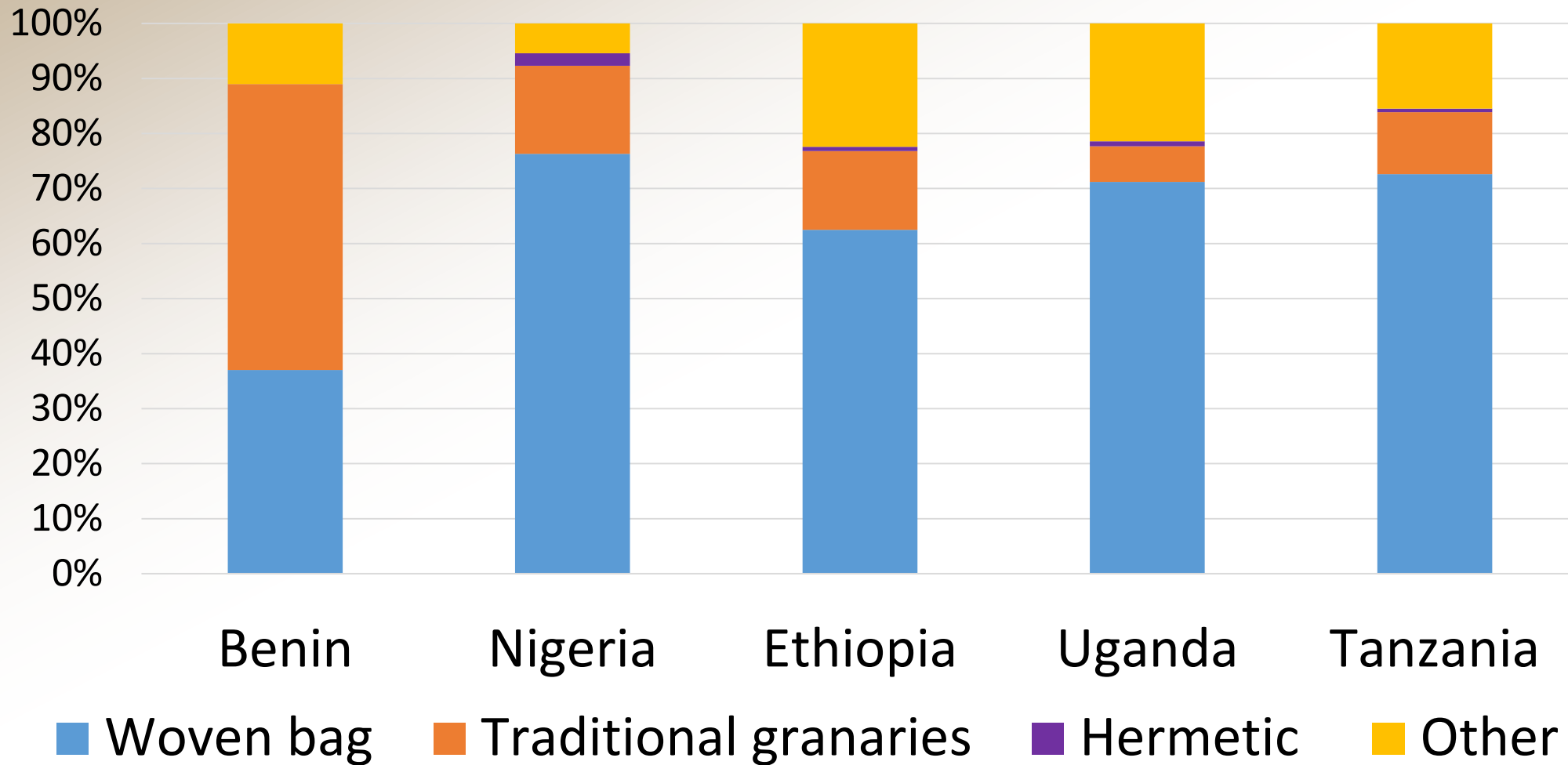
## Applied Storage Protectant to Maize



## Actual Storage Time



# Storage Technology Use for Maize



# ***Conclusion***

- Need to increase farmers access to effective storage Technologies :
  - Increase smallholder farmers' incomes
  - Improve smallholder farmers' food security
- To improve access we need:
  - To Build awareness on effective storage technologies
  - To make the technologies available to smallholder farmers

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## Research Team

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**Thank  
You!**