



The United Republic of Tanzania
Agriculture Sector Lead Ministries

4TH ANNUAL AGRICULTURAL POLICY CONFERENCE [AAPC]

Integrating Food and Nutrition Security into Economic Transformation and Industrialization Agenda:

How can agriculture be the driver rather
than follower of economic transformation in
Tanzania?



New Dodoma Hotel, Dodoma

14th - 16th February, 2018



MICHIGAN STATE
UNIVERSITY

ANSAP
Agricultural Non State Actors Forum

AGRA
Growing Africa's Agriculture

AMDT
Agricultural Modernization Development Trust

TAHA
TANZANIA HORTICULTURAL ASSOCIATION

MAFAP
Ministry of Agriculture, Food and Fisheries

TRADE MARK
EAST AFRICA
Growing Prosperity Through Trade

iesc

ReSAKSS

Dalberg

FSDT
Financial Sector Deepening Trust

ACT
Agriculture Council of Tanzania

USF
United States Foundation

EAGC
EASTERN AFRICA GRAIN COUNCIL

ILRI
International Livestock Research Institute

REPOA
Rural Enterprise Promotion Organization

SAGCOT
Sustainable Agriculture Growth Corridor Trust

TradeMark East Africa

AfricaLead
Scaling up for food security in Africa



The United Republic of Tanzania
Agriculture Sector Lead Ministries

4TH ANNUAL AGRICULTURAL POLICY CONFERENCE [AAPC]

Challenges and Prospects of Smallholder Dairy Farming in Tanzania

GILBERT MSUTA

LIVESTOCK RESEARCH SCIENTIST, TANZANIA LIVESTOCK RESEARCH INSTITUTE (TALIRI)

OUTLINE

- ▶ Introduction
- ▶ Objectives
- ▶ Methodology and Data Analysis
- ▶ Results
 - ▶ Challenges to Dairy Farming
 - ▶ Opportunities to Dairy Farming
- ▶ Insights on the Prospects of the Tanzanian Smallholder Farming
- ▶ Conclusion

INTRODUCTION

- ▶ Despite challenges, dairy sub-sector has a great potential for enhancing the livelihoods of smallholder farmers to have more productive enterprises that will help feed future generations and contribute towards industrialization and reduction of poverty.
 - ▶ Source of animal protein,
 - ▶ Income; and
 - ▶ Employment
- ▶ Africa Dairy genetic Gains (ADGG) program seeks to provide better dairy cattle to smallholder farmers by:
 - ▶ Establishing performance recording and selecting crossbred bulls and cows of superior genetic merit for artificial insemination (AI) and natural mating.



OBJECTIVES

- ▶ This Paper Aimed at:
 - ▶ Analyzing Key Challenges Facing Smallholder Dairy Farmers
 - ▶ Identifying Opportunities for Smallholder Dairy Farmers
 - ▶ Highlighting Insights on the Prospects of the Tanzanian Smallholder Dairy Farming



The United Republic of Tanzania
Agriculture Sector Lead Ministries

METHODOLOGY and DATA ANALYSIS

- ▶ Baseline survey collected using paperless questionnaire coded using Open Data Kit <https://opendatakit.org/> (ODK)
- ▶ Survey was carried out in Tanga, Kilimanjaro, Arusha, Iringa, Njombe and Mbeya sites
- ▶ Total of 16,809 dairy farmers were interviewed
- ▶ Information regarding general husbandry practices and potential challenges and opportunities were and analyzed using SAS software

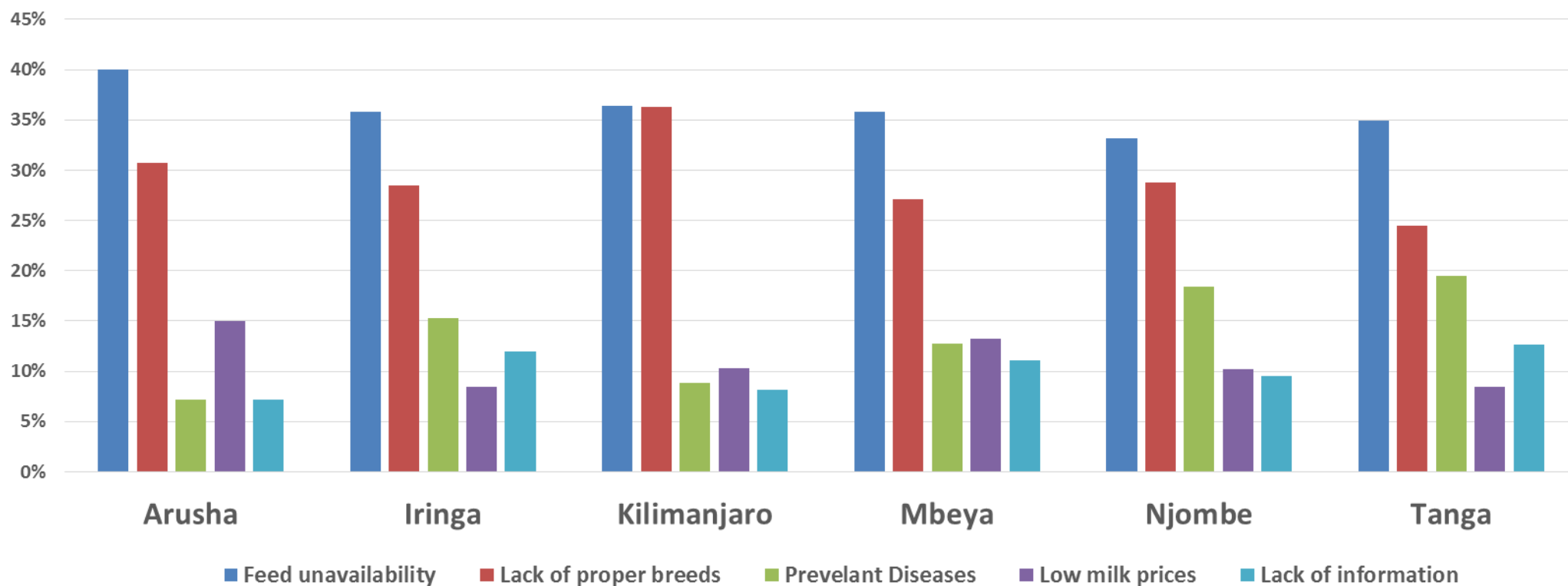


The United Republic of Tanzania
Agriculture Sector Lead Ministries

4TH ANNUAL AGRICULTURAL POLICY CONFERENCE [AAPC]

RESULTS

Challenges to Dairy Farming

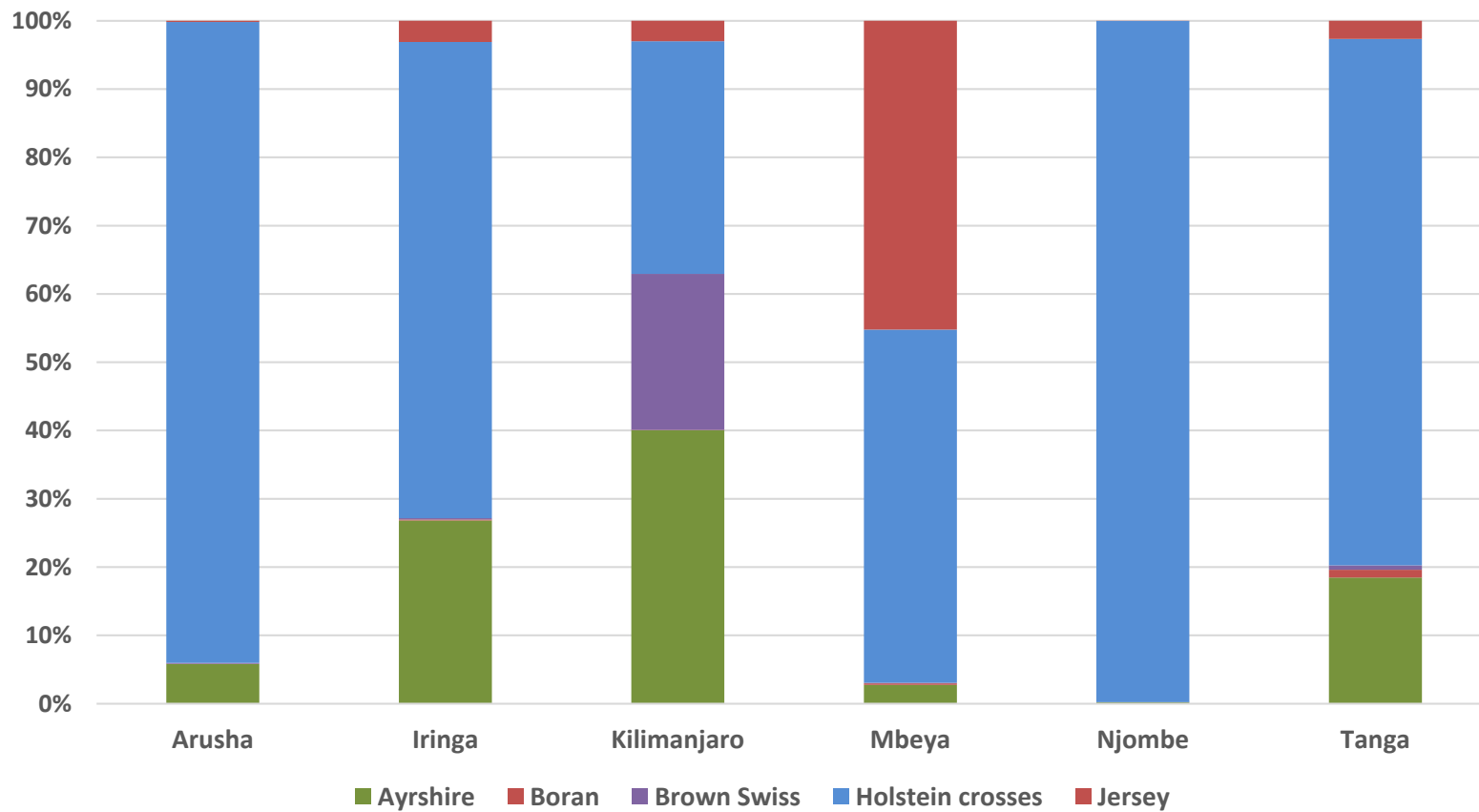




The United Republic of Tanzania
Agriculture Sector Lead Ministries

4TH ANNUAL AGRICULTURAL POLICY CONFERENCE [AAPC]

RESULTS - OPPORTUNITIES BREEDS





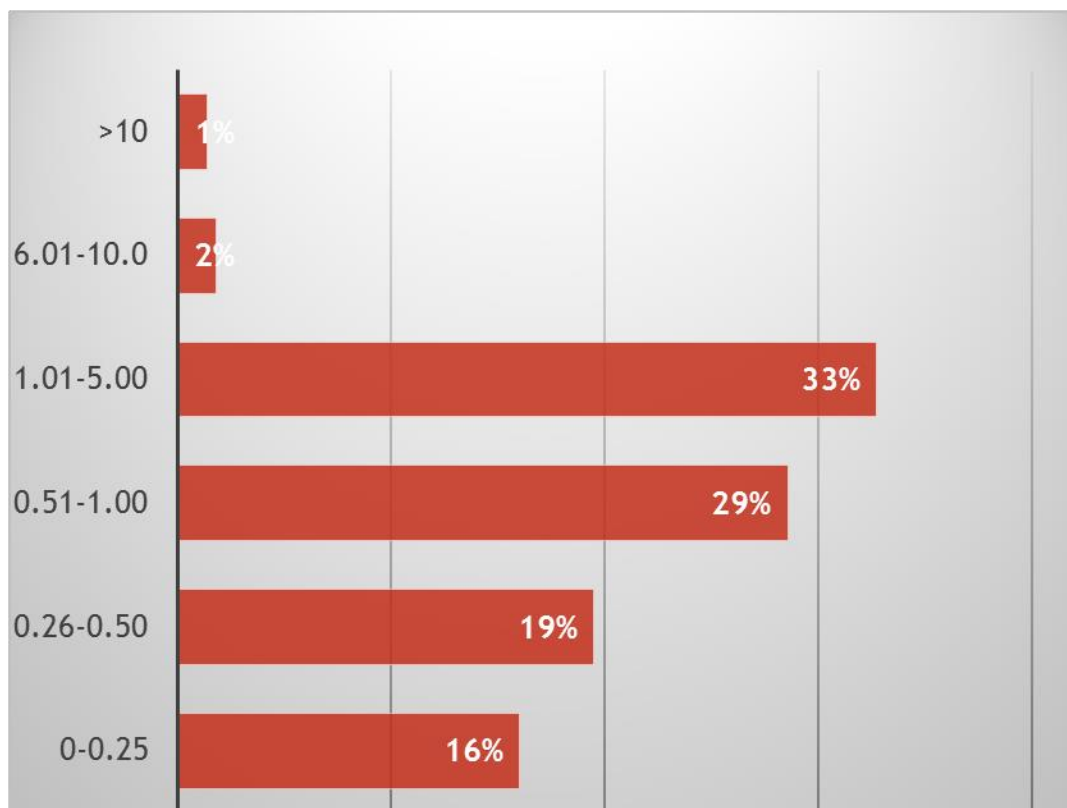
The United Republic of Tanzania
Agriculture Sector Lead Ministries

4TH ANNUAL AGRICULTURAL POLICY CONFERENCE [AAPC]

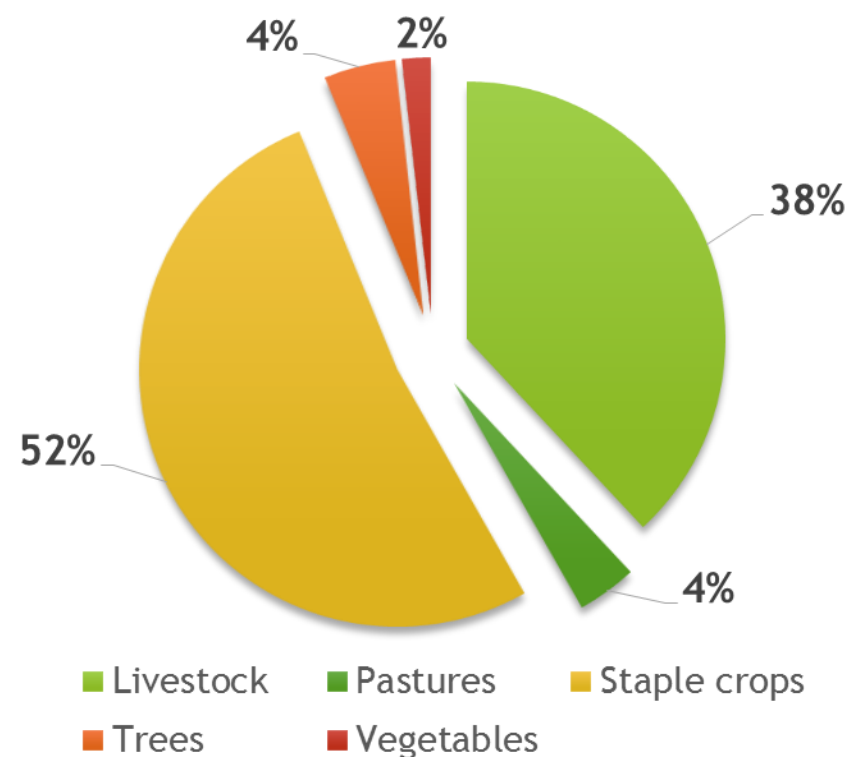
RESULTS-OPPORTUNITIES

LAND

LAND SIZE OWNERSHIP



LAND USE

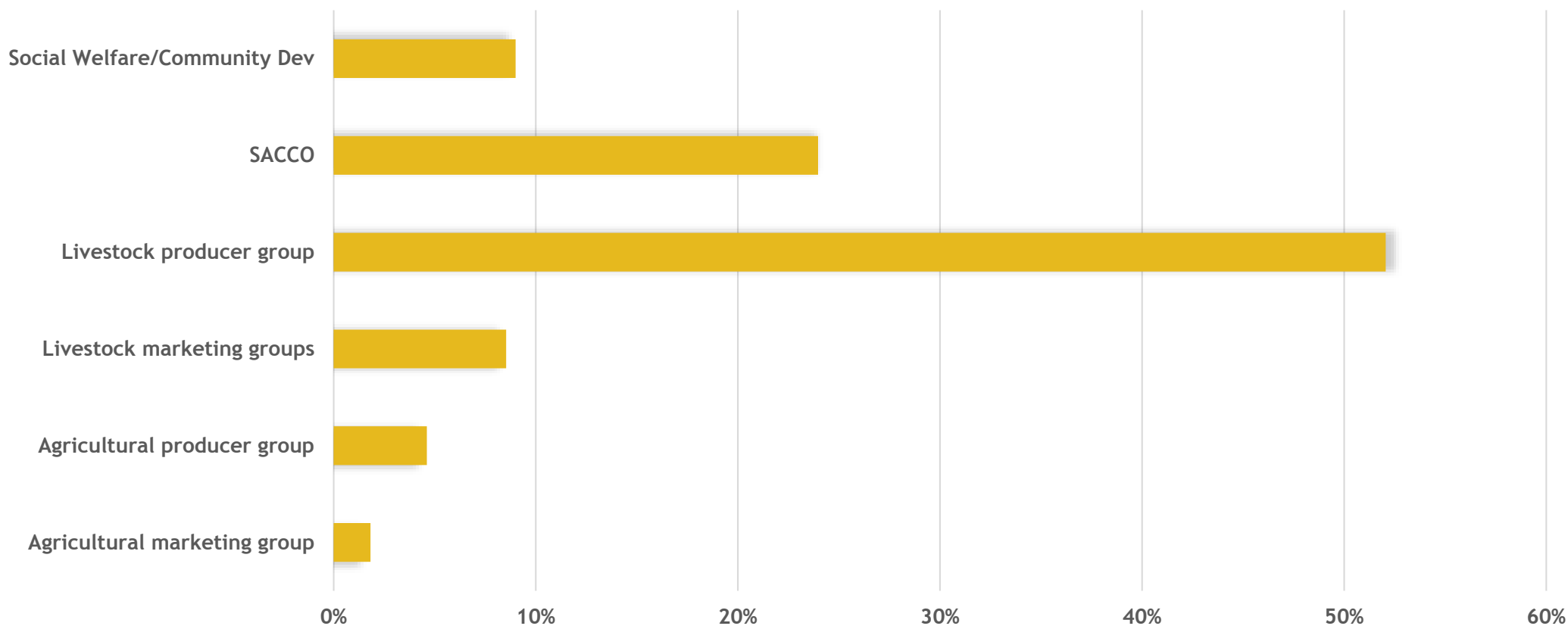




The United Republic of Tanzania
Agriculture Sector Lead Ministries

4TH ANNUAL AGRICULTURAL POLICY CONFERENCE [AAPC]

RESULTS-OPPORTUNITIES FARMER GROUPS



INSIGHTS ON PROSPECTS

- ❑ Look at the dairy value chain as a whole
- ❑ Promote increased productivity per animal THROUGH:
 - Strategic cross breeding
 - Establish performance recording, select crossbred bulls and cows of superior genetic merit, mating through artificial insemination (AI) or natural method
 - Conservation and use of improved pastures
 - Animal health management routine
 - Proper calf management - *Today's calf is tomorrow's cow*

INSIGHTS ON PROSPECTS Cont'd

- ❑ Promote value addition of dairy farm products:
 - Milk products (Ghee, Yogurt, Cheese etc.)
 - Bio gas (Manure)
 - Other products e.g. Hides, Hoofs, Horns
- ❑ Promote stakeholder engagement
 - Farmer to farmer visits
 - Research-Extension-Farmer linkage
 - Stakeholders forums (TDB)- Farmers, Researchers, Policy makers, Processors etc.

INSIGHTS ON PROSPECTS Cont'd

- Enabling environment:
 - Policies
 - Fasten the Breeding act
 - Financial services
 - Empower Farmers to access livestock financial services
 - Access to inputs
 - Empower Farmers to access livestock inputs
 - Quality Feeds
 - Quality Drugs
 - Standard Milk Containers



CONCLUSION

- ❑ Smallholder dairy farming has the potential for growth to improve nutrition, support industrialization and reduce poverty.
- ❑ The challenges provide the opportunities needed to take the sector to the next level.
- ❑ Research - Extension - Farmer linkages should be enhanced.
- ❑ Government should create an enabling environment for smallholder dairy farmers.



The United Republic of Tanzania
Agriculture Sector Lead Ministries

4TH ANNUAL AGRICULTURAL POLICY CONFERENCE [AAPC]



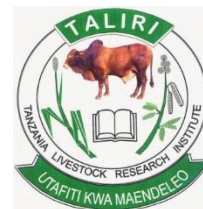
ADGG
African Dairy Genetic Gains
More productive and profitable dairy cows



BILL & MELINDA
GATES foundation



ILRI
INTERNATIONAL
LIVESTOCK RESEARCH
INSTITUTE



LAND O' LAKES, INC.
INTERNATIONAL DEVELOPMENT



THANK YOU



MICHIGAN STATE UNIVERSITY



Dalberg



Scaling up for food security in Africa