



# **Building a Resilient Smallholder Dairy system in Zambia**

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# CURRENT DAIRY FOR DEVELOPMENT (D4D) IN ZAMBIA

**JBFDZ (Jersey Breed –Focussed Dairy Development in Zambia)** is a 3 year project funded by JOA (started Nov 2022)

**Goal:** To **increase smallholder farmer resilience** and **income**, contribute to a sustainable dairy system

## Target Beneficiaries:

**8,100** (2,100 MCC members and 6,000 Livestock Keepers (40% Women) **by 2026**

(also AI Techs, Paravets, Livestock Extension officers)

Project is implemented by a **consortium of partners**

**RJAHS – Lead**

**MFL – support & enabling**

**ADRA – in country implementer**

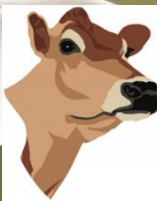


**DAZ** – Mobilization of MCC members

**Herdbook Society** – breed promotion

**Udderwise** – milk quality

**PAN Livestock Services** –genetic resource MIS



# KEY TARGET OUTCOMES

- 1) 15% increase in income (milk / dairy products and livestock sales)
- 2) Double daily milk consumption/improve nutrition at household level
- 3) Development of a dairy genetic evaluation index (*knowledge management*)- Sustainable dairy system development



# SITUATION OF SMALLHOLDER DAIRY IN ZAMBIA

- Zambia's **dairy herd** is estimated at just over 50,000 with 75% owned by commercial farmers ...breeds include Friesians, Jerseys & Crosses
- Dairy Value Chain has an excess of 15,000 farmers .....SHF (96%) account for the largest quantity of milk produced and supplied to the **informal sector**.
- SHF contributes only 25% of **formally marketed** milk while 75% is produced and supplied by **commercial** and **emergent** farmers.
- Most SHF aggregate their milk into MCCs/Dairy coop ...along line of rail
- Milk prices in Zambia are quality based i.e. bacteria or somatic cell count - Most milk falls in Grade A and B
- Zambia's Per capita milk consumption is estimated at 36 liters (2014).....Comparatively Kenya's per capita milk is around 180 litres

Source: DAZ



# CHALLENGES SMALLHOLDER DAIRYING IN ZAMBIA

- Low dairy productivity potential of **local/indigenous breeds**
- Lack of **sustainable genetic improvement programs and supply of breeding stock** - AI & logistics challenges
- **Poor on-farm climate-smart dairy husbandry practices - Inadequate extension support services** i.e. AI, farm management, animal health services
- **Livestock disease** – Tick – borne diseases, Mastitis and lumpy skin disease
- **Lack of financing of smallholder dairy ventures-** barrier to dairy development & growth ....Projects phase out too early.



# CHALLENGES SMALLHOLDER DAIRYING - CONT'D

- Insufficient availability of **quality forage/pastures, water and land use (tenure system)**
- **Seasonal milk production fluctuations** (productivity and price)- limited negotiating power with processors
- **Poor dairy coops/MCC governance** and management practices (transparency, trust issues) - **Few women and youth participation.**
- **Lack of reliable dairy data collection and management system-** knowledge management



# OPPORTUNITIES FOR BUILDING A VIBRANT SMALLHOLDER DAIRY SYSTEM IN ZAMBIA

- ✓ **Vast land in the country for dairy development.**
- ✓ **Ready and potential market for milk – local & regional**
- ✓ **Enabling Govt. policies** supportive govt. policies and enabling environment for investment **to support the sector.**
- ✓ **Various Investment opportunities – breeding, feed supply, AI, transport, processing, marketing etc.**
- ✓ Collaboration **among key dairy stakeholders** – DAZ, established network platforms
- ✓ Huge potential for **genetic improvement and supply of breeding stock through AI/bull stations...3 million beef cattle!**



We continue with  
the D4D  
Roadmap.....



**The next AJF Conference in 2025 is tentatively planned to  
be held in Zambia**

**You are all welcome !**

**THANK YOU FOR LISTENING**

