

Characterization of Traditional Buffalo Skimmed Milk Chain in Greater Cairo

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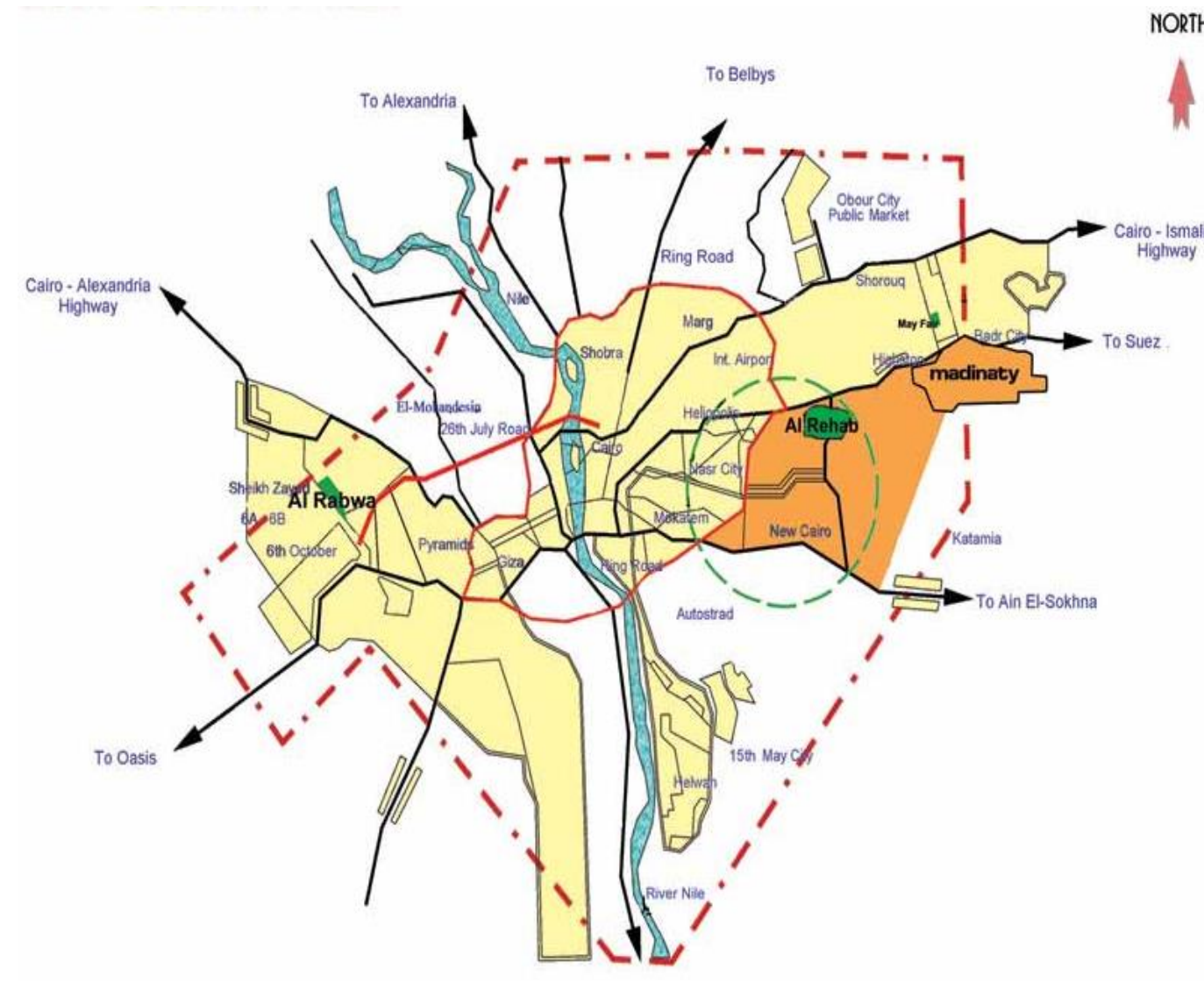
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Introduction



Milking cattle, from the tomb of Kagemni at Sakkara

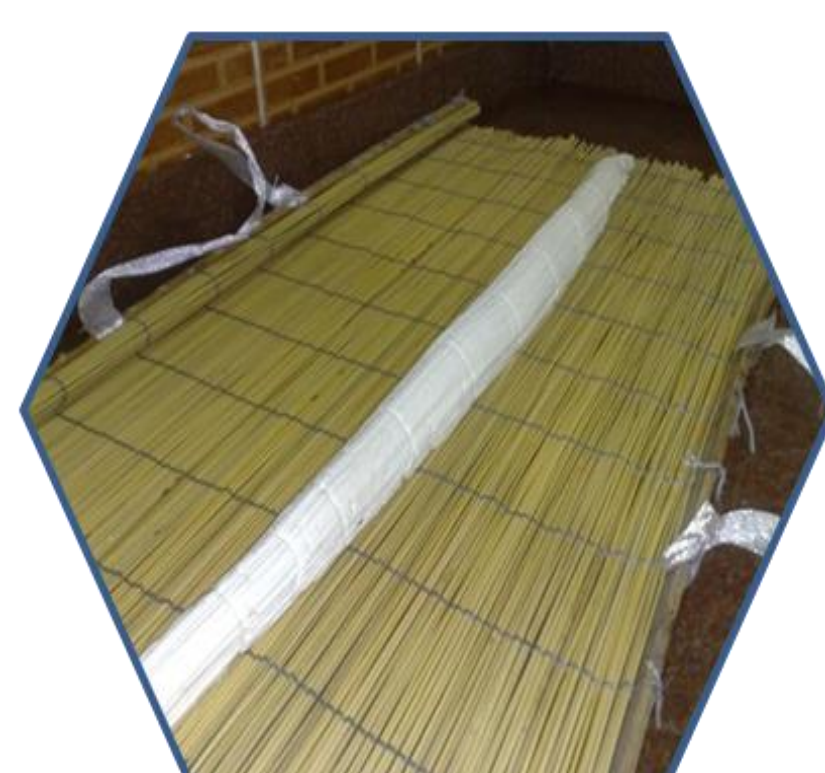


Total population of 20,500,000;
Area: 1,709 km²; Density: 11,995/ km²

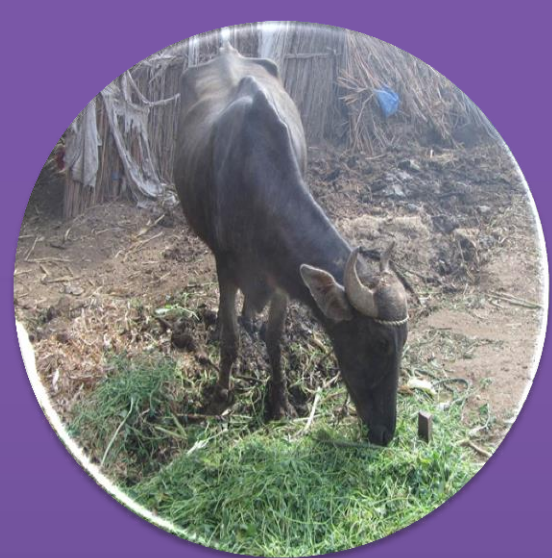
- There is scarcity of data on traditional milk chain in Greater Cairo.
- This traditional sector is estimated to account for 80% of the consumption of milk.
- Milk production contributes to household livelihoods, food security and nutrition.
- Milk provides relatively quick returns for small-scale producers.
- Milk is an important source of cash income for small farmers (FAO, 2013).
- Many small holders prefer to skim milk to produce butter and qarish cheese for home consumption or for selling at local markets

Objective

The aim of this study was to characterize traditional milk chain particularly Buffalo skimmed milk chain in Greater Cairo.



Methodology



Field
Visits



Interviews



GPS



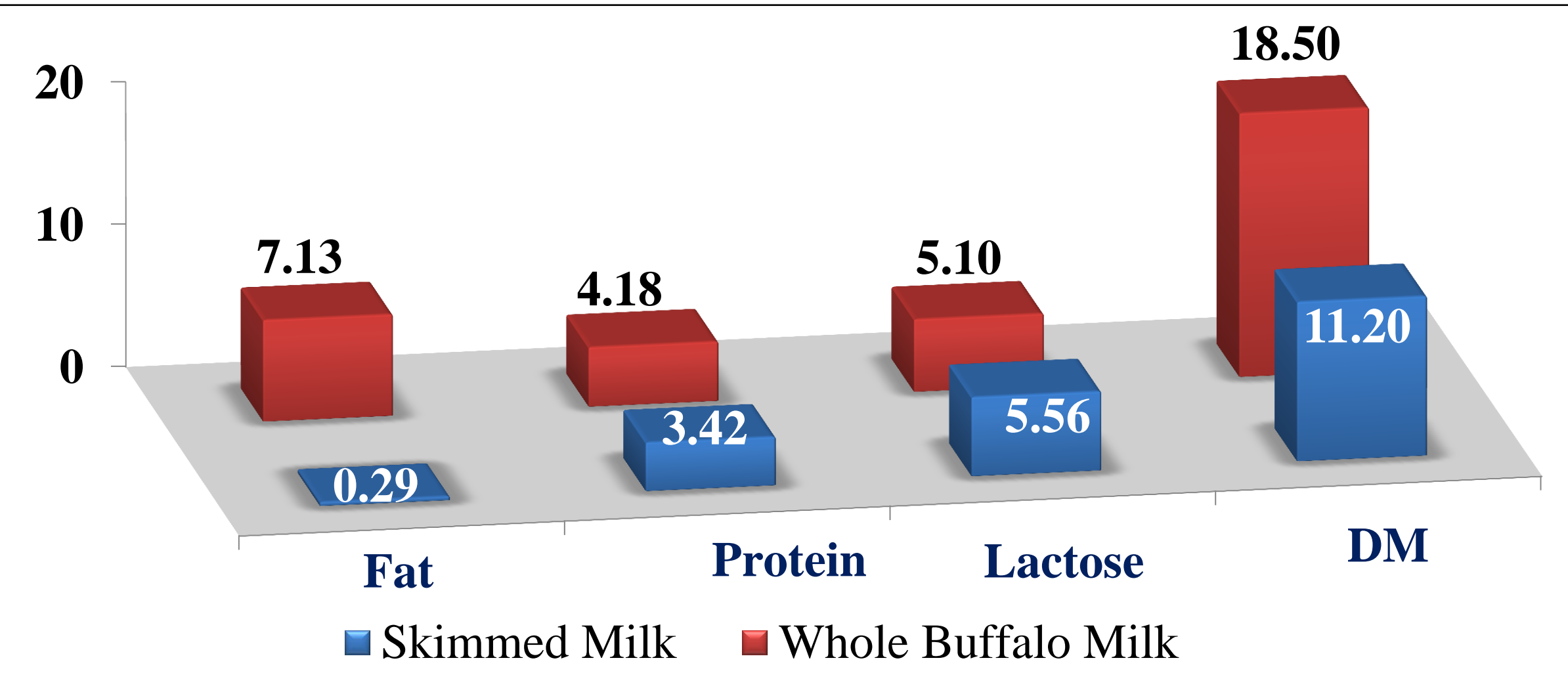
Milk
Analysis

Data Collection & Analysis

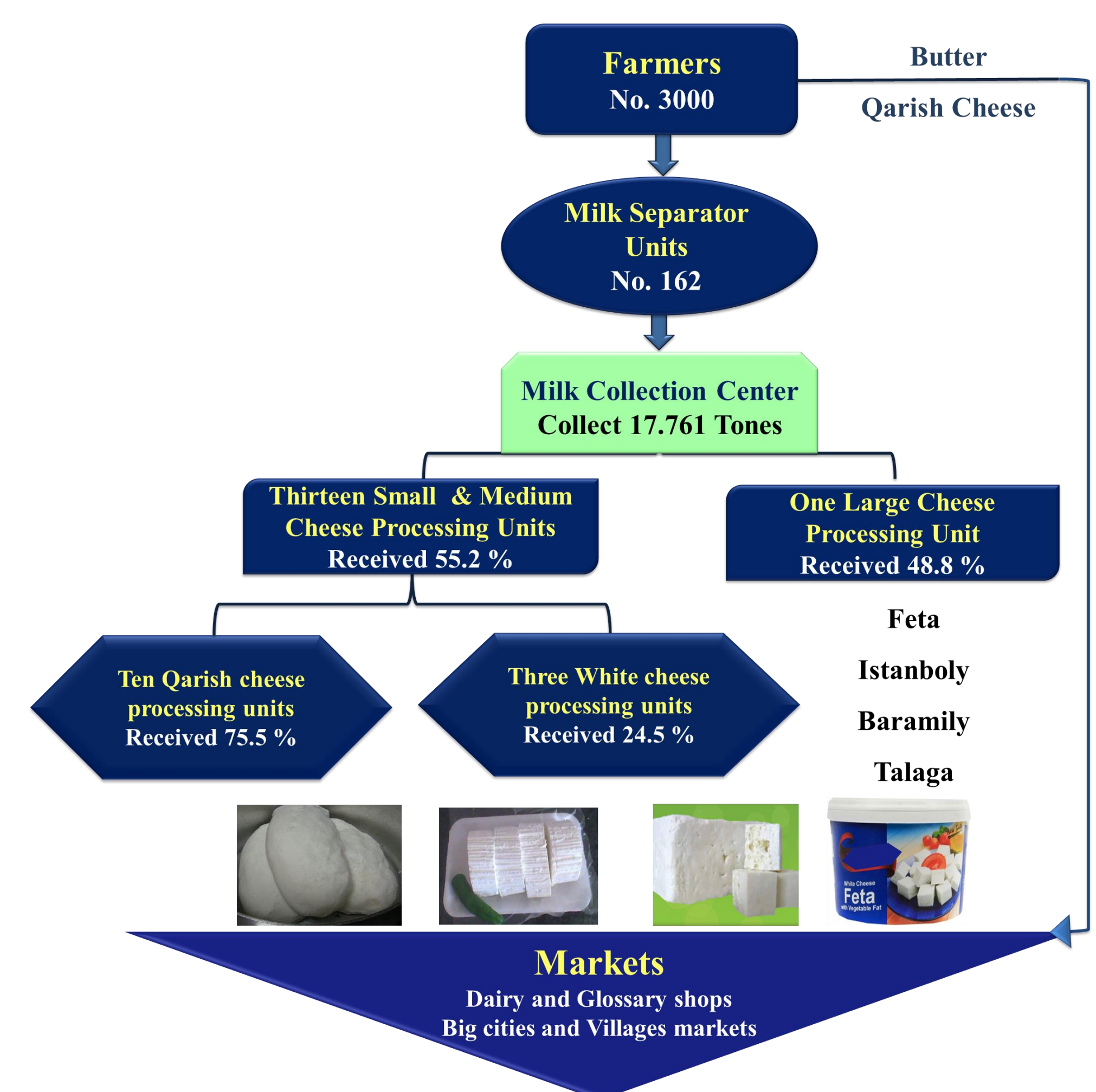
Results

Characterization of Dairy Farming System

Item	Mean	SD	CV
Family Size	7.13	2.61	36.63
Land Size (Hectare)	0.56	0.86	152.34
Forage land size (Hectare)	0.25	0.22	88.15
Cultivated Land by Forage (%)	61.69	31.36	51.49
Herd Size (lactating, dry & heifers)	1.32	0.75	0.57
Milk Production (kg/d)	7.98	1.00	12.51



Composition of Whole Buffalo Milk vs. Skimmed Milk



Skimmed Milk Flow from Producers to Consumers



Conclusion

- Milk collection center is playing a vital role for developing rural communities.
- Extension services are needed in Egypt to improve the quality of buffalo milk produced through improving hygienic procedures throughout the chain.