

## Context

- Increasing temperatures, changes in rainfall patterns, and extreme weather events directly impact the availability and quality of forage, water resources, and overall animal health.
- Traditional sheep fattening methods, which often involve feeding animals with low-quality forage, result in **inefficient digestion and higher methane emissions**.

## Our innovative approach

- Exploring the potential of food-feed crops, mainly barley, using its abundant by-products as viable protein sources.
- Installed integrated feed processing machines to streamline the production and commercialisation of **Total Mixed Ration (TMR)**
- Established Youth sheep fattening groups to demonstrate modern sheep fattening with a **Community of Practice (CoP) partnership**



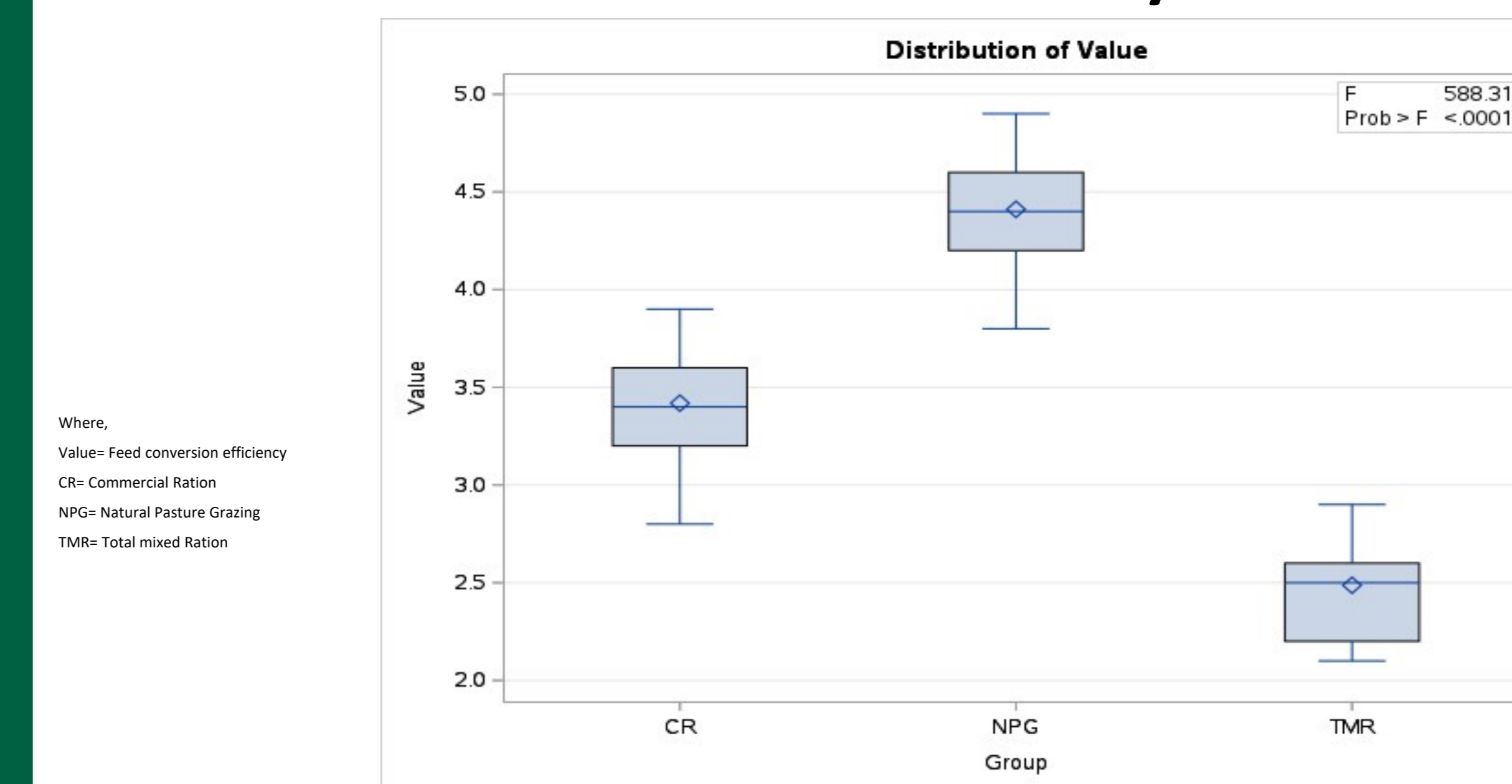
Sustainable Intensification of Mixed Farming Systems



## Progress/Outcomes

**Youth and Women Groups:** Formed 44 sheep fattening groups comprising **1,098 youth, with 47% of women** actively participating and demonstrating improved fattening systems.

### Enhanced Feed Conversion Efficiency:



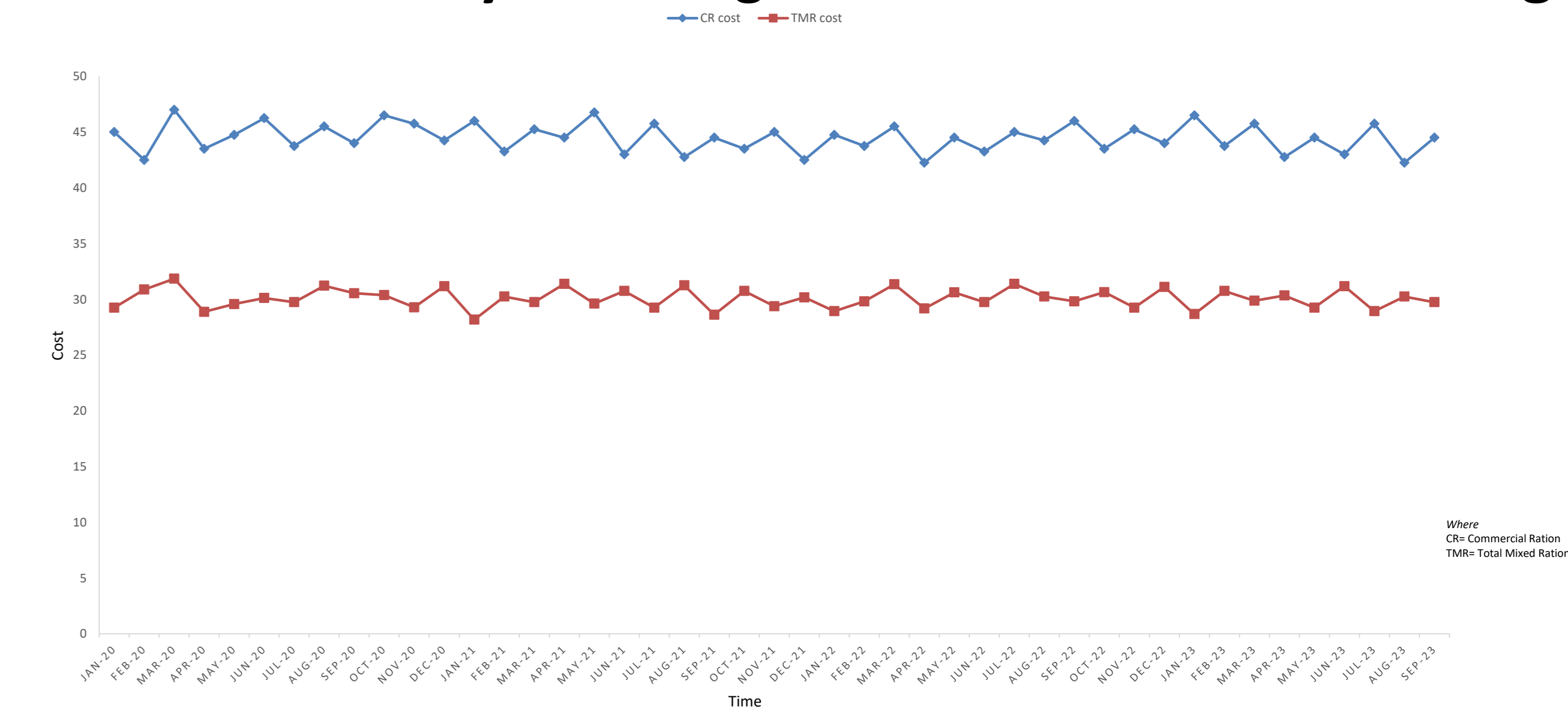
## Sheep fattening: A springboard to climate-resilient farming and enhanced livelihoods in Ethiopia

*Key Message: Harnessing local feed resources, resilient feed management, and modern sheep fattening techniques promote climate change resilience, sustainable livestock production, and livelihood in Ethiopia*

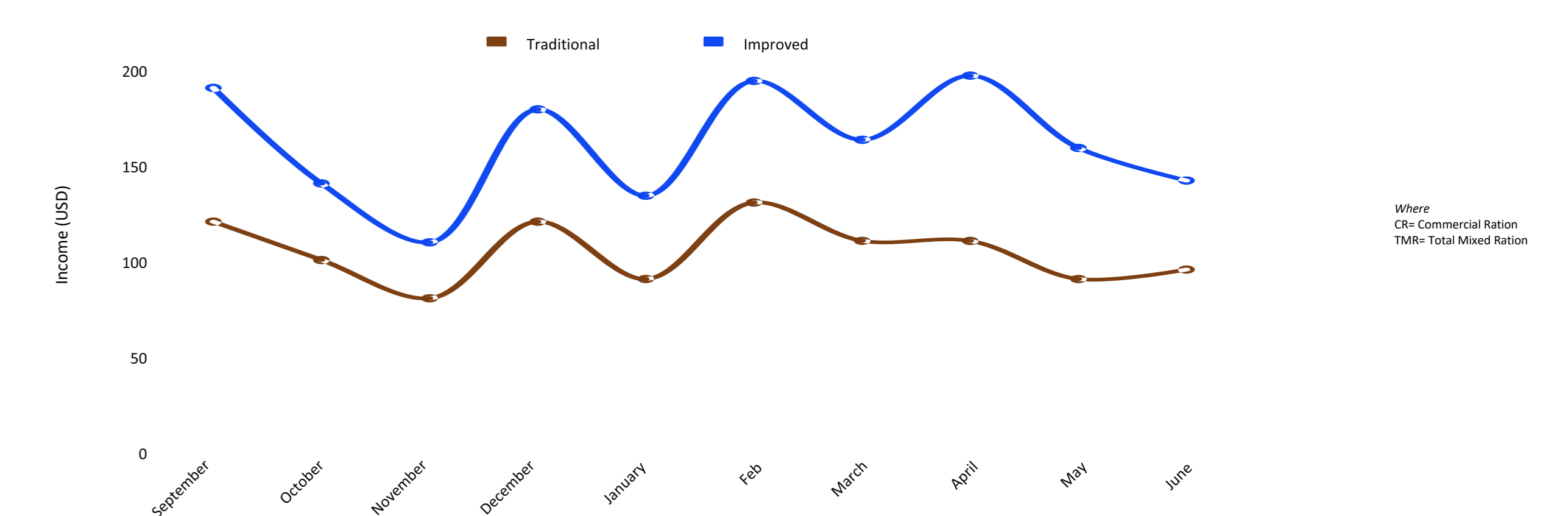


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### Economic Efficiency: allowing for 35% of ration cost saving



**Traditional vs Improved Fattening:** the improved sheep fattening system demonstrates a significant **49% increase in income** compared to the traditional fattening system.



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