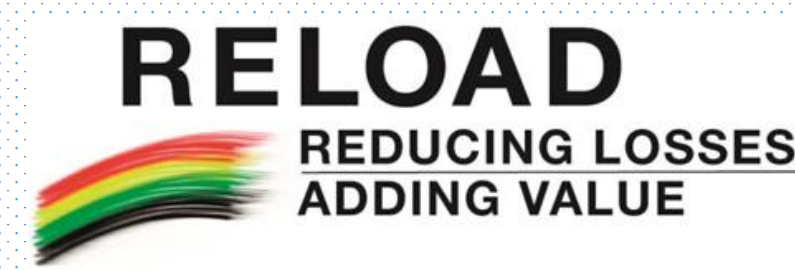




UTILISATION OF HIGH ACID MILK AT RURAL AND PERI-URBAN DAIRY HOUSEHOLDS IN NAKURU COUNTY, KENYA



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THE PROBLEM

Large volumes of milk fail alcohol and lactometer tests. These tests indicate developed acidity and adulteration respectively. However, nutrient composition may remain stable, implying that rejected milk may still be utilised or processed into other products.



THE MESSAGE

Milk rejection contributes to post-harvest losses at farm level. Milk rejected on failure of alcohol test has been processed into a variety of casein enriched yoghurts.



Yoghurts



Sensory evaluation panel

OBJECTIVE

Identify household uses of high acid milk and any product developed from this milk.

EVALUATION APPROACH

A participatory approach was implemented with farmers and milk collection centres operators using a semi-structured questionnaire in Focus Group Discussions.

FINDINGS

Milk rejection during the rainy and dry seasons.

Name of collection centre	Amount of milk that fails tests	Frequency of milk rejection	Milk losses (\$)
Olenguruone Dairy Cooperative Society (Rural)	100 - 150 litres / month (rainy season)	At least 2 times / month (rainy season)	32 - 47 / month (rainy season)
	300 litres / month (dry season)	At least 4 times / month (dry season)	95 / month (dry season)
Wanyororo Dairy Cooperative Society (Peri-urban)	50 - 100 litres / month (rainy season)	At least 2 times / week (rainy season)	16 - 32 / month (rainy season)
	10 - 20 litres / month (dry season)	At least twice a month (dry season)	3 - 6 / month (dry season)

Most of the high acid milk is traditionally processed into fermented milk while some farmers sell it to neighbours or feed to pets and calves.



REFERENCE

Kurwijila LR (2006). Hygienic Milk Handling, Processing and Marketing Trainers Guide Volume 1.

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