



Community-Based Adaptation Strategies among Cattle Keepers in Northern Cameroon: Livelihood Performance Evaluation

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Abstract

Cattle keepers in northern Cameroon face significant challenges due to climate change, impacting their livelihoods and traditional practices. Qualitative interviews were conducted with 50 households from four villages across different agro-ecological zones in northern Cameroon to assess adaptation strategies and their impact on livestock productivity. Adaptation strategies varied by village, but a common theme was the introduction of drought-resistant breeds, which increased milk yield by an average of 12% compared to baseline years. Community-based adaptation strategies have enhanced cattle keepers' resilience against climate change impacts, particularly in terms of improved livestock productivity and income stability. Investment in local breeding programmes should be prioritised to further boost milk yield and ensure long-term sustainability for cattle keepers.

Keywords: *Cameroon, Adaptation Strategies, Livelihoods, Climate Change, Indigenous Knowledge, Community Participation, Ethnography*

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