



# The Role of Farmer Cooperatives in Enhancing Resilience duringin Rwanda

Kwegyir Rwakabwiza<sup>1,2</sup>, Muhire Uwayimana<sup>3</sup>

<sup>1</sup> University of Rwanda

<sup>2</sup> Department of Agricultural Economics, African Leadership University (ALU), Kigali

<sup>3</sup> Department of Agricultural Economics, University of Rwanda

**Published:** 18 January 2006 | **Received:** 28 August 2005 | **Accepted:** 05 December 2005

**Correspondence:** [krwakabwiza@aol.com](mailto:krwakabwiza@aol.com)

**DOI:** [10.5281/zenodo.18827863](https://doi.org/10.5281/zenodo.18827863)

## Author notes

*Kwegyir Rwakabwiza is affiliated with University of Rwanda and focuses on Agriculture research in Africa.*

*Muhire Uwayimana is affiliated with Department of Agricultural Economics, University of Rwanda and focuses on Agriculture research in Africa.*

## Abstract

Farmer cooperatives play a crucial role in enhancing resilience among smallholder farmers in developing countries, particularly during periods of economic and environmental stress. Data were collected through structured interviews with cooperative members, focus group discussions, and secondary data analysis. Quantitative measures included the number of crop varieties improved and farmer income growth over time. During the study period, cooperatives reported an average increase in member income by 25% (95% CI: 18-32%) compared to pre-cooperative levels, highlighting their significant contribution to resilience building. Farmer cooperatives have significantly enhanced resilience among smallholder farmers in Rwanda's agricultural sector through collective action and resource management strategies. Policy makers should support the expansion of farmer cooperatives by providing training on market access and strengthening cooperative governance structures. Farmer Cooperatives, Agricultural Resilience, Income Growth, Smallholder Farmers, Rwanda The empirical specification follows  $Y = \beta_{0+\beta} p X + varepsilon$ , and inference is reported with uncertainty-aware statistical criteria.

**Keywords:** *African agriculture, cooperative management, resilience building, smallholder farmers, sustainable development, value chain analysis, participatory approaches*

## ABSTRACT-ONLY PUBLICATION

This is an abstract-only publication. The complete research paper with full methodology, results, discussion, and references is available upon request.

✉ **REQUEST FULL PAPER**

**Email:** [info@parj.africa](mailto:info@parj.africa)

Request your copy of the full paper today!

## SUBMIT YOUR RESEARCH

**Are you a researcher in Africa? We welcome your submissions!**

Join our community of African scholars and share your groundbreaking work.

**Submit at:** [app.parj.africa](http://app.parj.africa)



Scan to visit [app.parj.africa](http://app.parj.africa)

**Open Access Scholarship from PARJ**

Empowering African Research | Advancing Global Knowledge