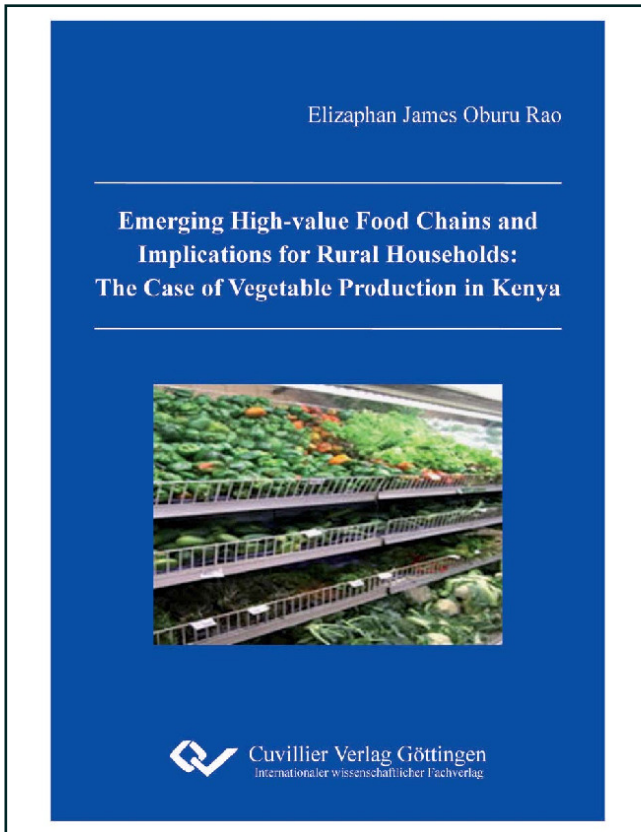




Elizaphan James Oburn Rao (Autor)

Emerging high-value food chains and implications for rural households: The case of vegetable production in Kenya



<https://cuvillier.de/de/shop/publications/551>

Copyright:

Cuvillier Verlag, Inhaberin Annette Jentsch-Cuvillier, Nonnenstieg 8, 37075 Göttingen, Germany

Telefon: +49 (0)551 54724-0, E-Mail: info@cuvillier.de, Website: <https://cuvillier.de>

Table of contents

Abstract.....	I
Zusammenfassung.....	V
Acknowledgements	X
Table of contents	XII
List of tables.....	XV
List of figures.....	XVI
Abbreviations	XVII
1. General introduction	1
1.1. Transformation of agriculture: emerging high-value markets in developing countries.....	2
1.2. Implications for the supply chain: expansion of supermarkets.....	5
1.3. Problem statement	9
1.4. Objectives of the study	11
1.5. Outline of the dissertation.....	12
2. Theoretical framework.....	14
2.1. Demand for high-value products and implications for transaction costs.....	15
2.2. Modern retailers and their procurement systems: an institutional construct	17
2.3. Modern retailers, market access and institutional innovation.....	20
2.4. Supermarkets, farm productivity, farm household welfare, and labor market spillovers.....	24
3. Description of research area and research design	26
3.1. Role of agriculture in the Kenyan economy	27
3.2. The Kenyan food system and emerging supermarket chains.....	29
3.3. Institutional innovation for supermarket access in Kenya.....	34
3.4. Study area: Kiambu District	35

3.5.	Sampling methods	37
3.6.	Data collection: farm household survey	38
4.	Supermarket channels, production technology, and technical efficiency	40
4.1.	Introduction	40
4.2.	Analytical framework	43
4.2.1.	Group-specific frontiers and technical effects	43
4.2.2.	Meta-frontier analysis	45
4.2.3.	Potential selection bias	47
4.3.	Data and descriptive statistics.....	50
4.4.	Results and discussion	54
4.4.1.	Meta-frontier estimates.....	58
4.4.2.	Treatment effect analysis.....	62
4.4.3.	Validity of the matching assumptions	67
4.5.	Conclusion	69
5.	Supermarkets, farm household income, and poverty	71
5.1.	Introduction	71
5.2.	Analytical framework and estimation procedure.....	74
5.2.1.	Modeling income effects	75
5.2.2.	Estimation procedure	78
5.2.3.	Estimating the income effect of supermarket participation	79
5.3.	Descriptive analysis	81
5.3.1.	Descriptive analysis	83
5.4.	Econometric analysis	89
5.4.1.	Determinants of participation in supermarket channels	90
5.4.2.	Determinants of household income	93
5.4.3.	Income and poverty effects of supermarket channel participation	97
5.5.	Conclusion	99

Table of contents

6.	The supermarket revolution and impacts on agricultural labor markets	103
6.1.	Introduction	103
6.2.	Analytical framework and estimation procedure.....	105
6.3.	Data and descriptive statistics.....	110
6.3.1.	Descriptive analysis	111
6.4.	Econometric results and discussion.....	115
6.4.1.	Specification tests	115
6.4.2.	Double-hurdle model results for total hired labor	117
6.4.3.	Double-hurdle model results for female and male hired labor	123
6.5.	Conclusion	125
7.	Conclusion	128
7.1.	Synopsis.....	128
7.2.	Policy implications	133
7.3.	Limitations of the study and suggestions for further research.....	135
	Bibliography	137
	Appendix A: Additional tables.....	156
	Appendix B: Survey Questionnaire.....	158