

https://dspace.org/

The implementation of sustainable agricultural strategies to alleviate poverty in Topiya village of Emalahleni district municipality in Mpumalanga province

Ndlovu, Robert

2015-01-29
http://hdl.handle.net/10539/16814

Downloaded from a DSpace repository. https://dspace.org/

TABLE OF CONTENTS

	ITEM	PAGE
Chapter 1		**1**
Statement of the problem and research design		**1**
1.	**Introduction**	**1**
1.1	Overview	1
1.2	Poverty in rural South Africa	1
1.3	Statement of the problem	2
1.4	Research questions	2
1.5	Hypothesis	3
1.6	Objectives	3
1.6.1	Broad Objectives	3
1.6.2	Specific Objectives	3
1.7	Overview of dissertation chapters	4
1.8	Conclusion	5
Chapter 2		**6**
Literature Review		**6**
1.	**Introduction**	**6**
2.8	Overview	6
2.2	Global food security at a glance and various conceptions of food security	6
2.3	The links between globalization, food security and poverty	11
2.4	Food Security in South Africa	15
2.5	Sustainable agriculture	18
2.6	The state of agriculture in South Africa	21
2.6.1	Commercial Agriculture	21
2.6.2	Small holder farming	22
2.6.3	Apartheid and subsistence farming	24
2.7	Poverty in rural South Africa	25
2.8	Population growth, environmental degradation and violent conflict	27
2.9	Climate change and food security	29
2.10	Conclusion	32

Chapter 3 **33**
Study area **33**
3.1 Introduction **33**
3.2 Background of area of study 33
3.3 Mpumalanga Province Economic Indicators 35
3.3.1 Human Development Index in Mpumalanga 36
3.3.2 Provincial Index of multiple deprivation 37
3.4 Millennium Development Goals (MDG) in Mpumalanga 37
3.4.1 Economic Growth and Development 38
3.4.2 Spatial Development Initiative 39
3.4.3 Local Economic Development in eMalahleni 40
3.5 Poverty and employment 41
3.6 Access to services 43
3.6.1 Water and sanitation 44
3.6.2 Electricity 44
3.6.3 Housing 45
3.7 Tourism and development 46
3.7.1 Vision for Mpumalanga Province 2016 46
3.7.2 Environmental Management, Parks and open space 47
3.8 Current state of Topiya village 48
3.8.1 Location of Topiya village 48
3.8.2 Sustainable agriculture in Topiya 50
3.8.3 Agricultural practices in Topiya 50
3.8.4 Food security in Topiya 51
3.8.5 Conclusion 51
Chapter 4 **52**
Research methodology **52**
4.1 Introduction **52**
4.2 Research design 52
4.3 Participants 53
4.4 Research instrument 53
4.5 Procedure 53
4.6 Data Analysis 55
4.7 Ethical considerations 56

4.8 Methodical reflections 56
4.9 Conclusions 58
Chapter 5 **59**
Research findings and discussions **59**
5.1 Introduction **59**
5.2 General particulars of respondents 59
5.3 Findings 59
5.3.1 Food security status 59
5.3.2 Means of acquiring food 61
5.3.3 Sources of livelihood 65
5.3.4 Subsistence crop production 67
5.3.4.1 Agriculture 70
5.3.4.2 Remittances and grants 71
5.3.4.3 Temporary employment 72
5.3.4.4 Subsistence crop production strategies practiced 73
5.3.5 Economic factors 75
5.3.6 Conclusion 78
Chapter 6 **80**
Recommendations and conclusions **80**
6.1 Introduction **80**
6.2 Sustainable agriculture as a panacea to food insecurity 80
6.3 Access to productive land to improve security 83
6.4 Human capital development 83
6.5 Livelihood diversification into mainly nonfarm activities 84
6.6 Improving the asset base of rural farmers 84
6.7 Agricultural research and development 85
6.8 Challenges 86
6.9 Conclusion 87
BIBLIOGRAPHY **88**
ADDENDA
Addendum 1: Research Questionnaire
Addendum 2: Informed consent form

TABLE OF FIGURES

Figure 2.1	Globalization, poverty and food security framework
Figure 3.1:	Map of Mpumalanga Province
Figure 3.2:	Topiya Village physical location map
Figure 5.1:	Perception of Food Security in Terms of Meals per Day
Figure 5.2:	Dominant Diet in Meals
Figure 5.3:	Food Security
Figure 5.4:	Primary Sources of Food
Figure 5.5:	Secondary Sources of Food
Figure 5.6:	Percentage Income Spent on Food
Figure 5.7:	Main sources of Livelihood
Figure 5.8:	Adequacy of Sources of Food
Figure 5.9:	Main Farming Methods
Figure 5.10:	Main Agricultural Produce
Figure 5.11:	Main Agricultural Produce
Figure 5.12:	Duration of Farming
Figure 5.13:	Effects of Soil Erosion
Figure 5.14:	Projected Income
Figure 5.15:	Size of Dependents
Figure 5.16:	Average Disposable Income
Table 1:	Mpumalanga Economic Indicators
Table 2:	GDP Comparison: province versus country GDP
Table 3:	Rate of employment and unemployment
Table 4:	Poverty measures
Table 5:	Housing backlog

WORD COUNT: 26 158 WORDS

THE IMPLEMENTATION OF SUSTAINABLE AGRICULTURAL STRATEGIES TO ALLEVIATE POVERTY IN TOPIYA VILLAGE OF EMALAHLENI DISTRICT MUNICIPALITY IN MPUMALANGA PROVINCE.

By

Robert Ndlovu

Student No. 308850

A dissertation submitted in fulfillment of the requirements for the degree of

Master of Science in Environmental Management

University of the Witwatersrand, Johannesburg

January 2014

Supervisor: Doctor David J Hornsby