

Dedication

To all who really worship
Allah

Table of Contents

Item	Page
Dedication	I
Table of contents	II
List of tables	V
Acknowledgements	VI
Abstract (Arabic)	VIII
Abstract	X
Chapter one: Introduction	
1.1 Onion production in the Sudan	1
1.2 Objectives of the study	2
1.3 The research methodology	3
1.3.1 Sample design and sample size	3
1.3.2 Data collection	3
1.3.3 Analytical techniques	3
1.3.4 Organization of the study	4
Chapter two: Literature review	
2.1 Introduction	5
2.2 Onion uses	5
2.3 Onion production in the world	7
2.4 World consumption	8
2.5 Onion production and production costs in Sudan.	8
2.6 Some aspects of reviewed onion production economics in Khartoum state	14
Main factors affecting the productivity of onion	20
The effect of agronomic factors	22

Chapter three: Results and discussion	
3.1 The socio-economic characteristics of the farmers	31
3.1.1 Age	31
3.1.2 Education level	33
3.1.3 Marital status	34
3.1.4 Family size	34
3.1.5 Sex	35
3.1.6 Animals ownership	37
3.1.7 Cultivated area	37
3.2 Analysis of Factors affecting yield of onion	39
3.2.1 Cobb-Douglas production function	39
3.2.2 Double logarithmic production function	40
3.2.3 Model specification	40
3.2.4 Estimated production function for the onion crop in the study area	41
3.2.5 The estimated onion production function	43
Chapter four: onion budget analysis	
4.1 Introduction	47
4.2 Costs of onion production	47
4.2.1 Land preparation costs	47
4.2.2 Agricultural operations costs	47
4.2.3 Inputs costs	48
4.2.4 Harvesting costs	48
4.2.5 Opportunity cost	48
4.2.6 Total production costs	48
4.3 Onion yields	50

4.3.1 Onion returns	50
4.3.2 Onion prices	51
4.3.3 Onion gross returns	51
4.3.4 Gross margin	51
4.3.5 Private profitability coefficient (PPC)	53
Chapter five: summary, conclusion and recommendations	
5.1 Summary& Conclusion	54
5.2 Recommendations	55
References	57

List of tables

Table	Page
Table (2.1) World area, production and yield of onion	7
Table (2.2) Area, yield and production of onion in Sudan	11
Table (2.3) Onion Area (Feddan) And Production (Tons) In Sudan by states, 1999.	12
Table (2.4) Costs of onion production in Sudan	13
Table (2.5) Average production, gross return, total cost and net return of onion crop per feddan in Khartoum state in the season 2003-2004	15
Table (2.6) Cost of onion production in Khartoum state	17
Table(2.7) Some of the main onion production requirements and the relative costs in Khartoum state.	19
Table (2.8) Onion crop farm power (mechanical and human power) in Khartoum state	19
Table (3.1) Onion farmers ages	32
Table (3.2) Onion farmers educational levels	34
Table (3.3) Onion farmers marital status	34
Table (3.4) Onion farmers family size	36
Table (3.5) The sex of the farmers families members	36
Table (3.6) Animals ownership by the farmers in the study area	38
Table (3.7) The average cultivated areas of onion by the farmers in the study area	38
Table (3.8) Production function	44
Table (3.9) Anova	44
Table (4.1) Cost of onion production (SD) in the study area	49
Table (4.2) Onion gross margin per feddan in the study area	52

Acknowledgement

In the name of Allah, the most gracious, the most merciful
Who says in the noble Gur'an which is translated to the
following:

1. Read in the name of your lord who has created (all that exists).
2. He has created man from a dot (a piece of thick coagulated blood).
3. Read and your lord is the most generous.
4. Who has taught (the writing) by the pen.
5. He has taught man that which he knew not.

Firstly I'd like to say that all the praises and thanks be to Allah, the lord of the Alamin (man kind, Jinn and all that exists, the most Gracious most merciful, the only owner (and the only ruling judge) of the day of recompense (i.e. the day of resurrection), Allah that is he (alone) I worship, and he (alone) I ask for help (for each and every thing, he (alone) I ask to guide us to the straight way, the way of those on whom he has bestowed his grace, not (the way) of those who earned his anger nor of those who went a stray.

All praises and thanks that never ending be to Allah who has created me, taught me writing by the pen.

All praises and thanks be to Allah who has helped me reaching this achievement.

Secondly I'd like to thank my father and mother who spent their life for my accommodation, I ask Allah to be pleased with them for ever and award them the best accommodation for ever.

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This research is now delivered to all who are interested at Agric-economics studies all over the world.

خلاصة الأطروحة

أجريت هذه الدراسة في الريف الشمالي لمدينة أمدرمان/ ولاية الخرطوم .

استقصاء العوامل الرئيسية المؤثرة في إنتاج محصول البصل قصدت كهدف رئيسي بينما الأهداف الأخرى بالتحديد كانت هي دراسة الميزات الاقتصادية الاجتماعية لمنتجي محصول البصل ، تقدير الإجمالي الحدي لمحصول البصل ، تحديد العوامل الرئيسية المؤثرة في إنتاجية محصول البصل ووضع توصيات مبنية على نتائج الدراسة .

تم جمع البيانات الأولية خلال الموسم 2003-2004م من خلال مسح ميداني عبر لقاءات مباشرة مع منتجي البصل باصطحاب استمارات معدة لجمع المعلومات المطلوبة . تم جمع البيانات الثانوية من مصادر عديدة. تم تطبيق وإستعمال الإحصاء الوصفي ، التحليل الإجمالي الحدي وتحليل الإنحدار المتعدد كأدوات لتحليل البيانات الأولية.

نتائج الإنحدار المتعدد أفادت أن 85% من التباين في إنتاجيات البصل في منطقة الدراسة كان بسبب التباين في المتغيرات المستقلة.

أيضاً أفادت النتائج المتحصل عليها من الدراسة أن كل من السماد ، عدد الريات ، حجم أسرة المزارع ، تاريخ الزراعة ونوع مبيد الحشائش المستعمل كانت عوامل ذات أثر معنوي في إنتاج البصل في منطقة الدراسة .

أوصت الدراسة بأن العمل الإرشادي الزراعي مطلوب لتوجيه مزارعي محصول البصل بالاستعمال الأمثل لكل من السماد والري.

أيضاً أوصت الدراسة بضرورة الزراعة المبكرة لزيادة إنتاجية محصول البصل في منطقة الدراسة.

توصي الدراسة أيضاً بأن مزارعي محصول البصل يجب أن يستعملوا المبيدات الحشرية ذات الفعالية والجودة الممتازة لزيادة إنتاجية البصل.

أخيراً توصي الدراسة أيضاً بضرورة التدخل الحكومي لتقليل تكاليف مدخلات إنتاج محصول البصل. وهذا يمكن أن يكون عن طريق تخفيض الرسوم الجمركية على مدخلات الإنتاج المستوردة.

Abstract

This study was conducted in the northern region of Omdurman city, Khartoum State.

The major objective of the study was to investigate the main factors affecting onion production while the specific objectives were to study socioeconomic characteristics of onion farmers, estimation of onion crop gross margin, determination of the main factors affecting onion productivity and drawing some recommendations based on the findings of the study.

Primary data was collected in season 2003-2004 through a field survey including direct interviews with onion producers using prepared questionnaires.

Secondary data was collected from different sources. Descriptive, statistics, gross margin analysis and multiple regression technique were used for analysing the data.

The results of multiple regression analysis showed that 85% of the variation in the onion yield in the study area was caused by the explanatory variables.

It also showed that fertilizer, number of irrigation, farmer's family size, sowing date and types of pesticides were the factors that significantly affect onion production in the study area.

The study recommended that agricultural extension services are needed for informing onion farmers with the proper application of fertilizers and irrigation.

It also recommended that early sowing is necessary for increasing onion yield in the study area.

It also recommended that farmers must use proper pesticides for increasing onion yield.

Finally the study recommended that government intervention for reducing the costs of onion production is necessary. And this can be done by certain policy measured such as reducing the taxes.



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XII