UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

Analysing the Maize Value Chain for Export in Lao People's Democratic Republic



Integrating Landlocked

Commodity Dependent Developing Countries into **Regional and Global Value Chains**





UNITED NATIONS CONFERENCE ON TRADE AND DEVELOPMENT

Analysing the Maize Value Chain for Export in Lao People's Democratic Republic



Integrating Landlocked Commodity Dependent Developing Countries into Regional and Global Value Chains





© 2020, United Nations Conference on Trade and Development

This work is available open access by complying with the Creative Commons licence created for intergovernmental organizations, available at http://creativecommons.org/licenses/by/3.0/igo/.

In line with this license, material in this publication may be freely quoted or reprinted, but acknowledgement is requested, together with a copy of the publication containing the quotation or reprint to be sent to the UNCTAD secretariat.

The findings, interpretations and conclusions expressed herein are those of the authors and do not necessarily reflect the views of the United Nations or its officials or Member States.

The designation employed and the presentation of material on any map in this work do not imply the expression of any opinion whatsoever on the part of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

This publication has not been formally edited.

Contacts:

UNCTAD Division on International Trade and Commodities Commodities Branch Geneva, Switzerland Email: commodities@unctad.org Tel: +41 22 917 6286/1648

UNCTAD/DITC/COM/MISC/2020/2

ABSTRACT

This study analyses the maize value chain for export in Lao People's Democratic Republic. Using tailored survey data derived from six districts in three maize-producing provinces, this study carries out three tasks. First, it identifies and analyses the different roles played by three main stakeholders in the maize value chain: farmers producing maize, small traders aggregating and carrying out basic processing, and larger traders doing further processing and exporting. Second, we analyse the relationships between farmers and traders. In this regard, our analysis highlights the role of traders in the provision of farmer finance, where bargaining power and "relational capital" appear to be especially important. Third, we empirically explore the relationship between selected stakeholder characteristics and maize prices. Controlling for geographical location, we find a positive and statistically significant relationship between farmer maize sale prices and whether they sell maize in grain (versus cob) form, cooperative membership, ownership of storage, and duration of maize storage; and a negative relationship between prices and whether a farmer receives trader-supplied inputs. Similarly, we find a statistically significant positive relationship between trader size (measured as the quantity of maize traded in a year) and maize price margins, sales prices, and purchase prices. These correlations were found controlling for the form of maize bought, the geographic location of traders and whether traders are engaged in external trade. On the basis of our findings, we discuss a series of policy implications for improving the functioning of the chain and benefits to stakeholders, focusing on improving information availability, enhancing farmer and trader access to finance, and potential measures to foster smallholder farmers' earnings.

ACKNOWLEDGEMENTS

This document was prepared by Rodrigo Cárcamo, UNCTAD Commodities Branch, Division on International Trade and Commodities. The author would like to thank the following people who provided very valuable comments on earlier versions of this paper: Sandra Cárcamo-Obrecht, Ramón Pineda, Justin Van de Ven and Yanchun Zhang.

The author also thanks Chitpasong Kousonsavath and Fue Yang, UNCTAD consultants, for the implementation of a field survey of the maize value chain in Oudomxay, Xayaboury and Xiengkhuang provinces of Lao People's Democratic Republic in May-June 2019, as well as Danièle Boglio for desktop publishing and Catherine Katongola for administrative assistance.

The designation employed and the presentation of material on any map in this work do not imply the expression of any opinion whatsoever on the part of the United Nations concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries.

The views expressed in this paper are those of the author and do not necessarily represent the views of United Nations or its officials or member States. Any remaining errors are exclusively the responsibility of the author. This document has not been edited.

ACRONYMS AND ABBREVIATIONS

DAFO	District Agriculture and Forestry Office
DICO	District Industry and Commerce Office
На	hectare
kg	kilogram
km	kilometre

LAK	.Lao Kip
PAFO	Provincial Agriculture and Forestry Office
PICO	Provincial Industry and Commerce Office
US\$.United States dollars

NOTES

The term "billion" signifies 1,000 million.

The term "tons" refers to metric tons.

Use of a dash between years (e.g. 2000–2001) signifies the full period involved, including the initial and final years.

An oblique stroke between two years (e.g. 2000/01) signifies a fiscal or crop year.

CONTENTS

Chapter 2.		Introduction1		
		The Importance of Maize Production and Export for Lao People's Democratic Republic5		
		Characterizing the Maize Value Chain for Export in Lao People's Democratic Republic	15	
3.1	Produ	ction Stakeholders	17	
	3.1.1	Income Sources of Maize Farmers and their Vulnerability to Shocks	17	
	3.1.2	Characterizing Farmer – Trader Relationships	23	
	3.1.3	An Econometric Analysis of Maize Sales by Farmers: The Role of Farmer Characteristics	26	
3.2	Trade	Stakeholders	31	
	3.2.1	Characterizing Trader Types and Functions in the Maize Value Chain: The Role of Trader Size	31	
		Trader Size and Trader Age	32	
		Trader Size and Dependency of Maize Income	32	
		Trader Size and the Aggregator Role of Small Traders	32	
		Trader Size and Transport of Maize	34	
		Trader Size and Maize Quality	35	
		Trader Size and the Geographic Scope of Maize Sales by Traders: Integration into Regional Value Chains	36	
	3.2.2	An Econometric Analysis of the Prices of Maize Sold, Bought and Traders' Sell-Buy Margins	37	
		Analysis of the Prices of Maize Sold	38	
		Analysis of Traders' Sell-Buy Margins	45	
4.1		ve Coverage of the Maize Value Chain with Disaggregated, Reliable and Frequently Updated Statistics, atory, Monitoring and Other Data		
4.2		ance the Access by Farmers and Traders roductive Finance		
4.3	Foster	ing Smallholder Maize Farmers' Earnings	50	
Chapt	er 4.	Conclusions: Policy Perspectives	47	
Biblio	graph	у	53	
Appen	dix		56	

Chapter 1 Introduction



预览已结束,完整报告链接和二

https://www.yunbaogao.cn/report/index/report?re