Seed Trade in Rural Markets

Implications for Crop Diversity and Agricultural Development

Edited by

Leslie Lipper, C. Leigh Anderson and Timothy J. Dalton

Published by
The Food and Agriculture Organization of the United Nations
and
Earthscan

B 367397



London • Sterling, VA

Contents

Lis	t of figures, tables and boxes	23
For	reword	xii
Lis	t of contributors	XI
Lis	t of acronyms and abbreviations	XX
	Part I — Setting the Stage	
1	Agricultural Markets and the Sustainable Utilization of	
	Crop Genetic Resources	3
	Leslie Lipper, Timothy J. Dalton, C. Leigh Anderson and Alder Keleman	
	Introduction '	3
	The benefits of managing crop genetic resources	7
	Accessibility to seeds and crop genetic resources	9
	Allocating crop genetic resources through markets	10
	Using markets to promote the sustainable utilization of crop genetic	
	resources: An interdisciplinary and cross-country study	11
2	Markets and Access to Crop Genetic Resources	15
	Timothy J. Dalton, C. Leigh Anderson, Leslie Lipper and Alder Keleman	
	Introduction	15
	The importance of local markets	16
	Incentives and institutions in exchange	17
	Formal and informal systems of seed exchange	19
	Access to crop genetic resources (CGR)	21
	Conclusions	27
3	Project Methodology: Using Markets to Promote the	
	Sustainable Utilization of Crop Genetic Resources	31
	C. Leigh Anderson, Leslie Lipper, Timothy J. Dalton, Melinda Smale,	
	Jon Hellin, Toby Hodgkin, Connie Almekinders, Patrick Audi,	
	Mauricio R. Bellon, Romina Cavatassi, Lamissa Diakité, Richard Jones,	
	E. D. I. Oliver King, Alder Keleman, Madelon Meijer, Thomas Osborn,	

	Latha Nagarajan, Álvaro Paz, Monica Rodriguez, Amadou Sidibé,	
	Lina Salazar, Joost van Heerwaarden and Paul Winters	
	Introduction	31
	Defining the boundaries of the study	32
	Research questions	35
	Sampling and instruments	39
	Conclusions	48
	Part II — Country Case Studies	
4	When Grain Markets Supply Seed: Village Markets for Millet	
	and Sorghum in the Malian Sahel	53
	Melinda Smale, Lamissa Diakité and Mikkel Grum	
	Introduction	53
	Background	54
	Institutional features	54
	Market-sheds	57
	Market analysis	58
	Conclusions	72
5	Potato Seed Supply and Diversity: Dynamics of Local Markets	
	of Cochabamba Province, Bolivia - A Case Study	75
	Connie Almekinders, Romina Cavatassi, Fabio Terceros, Rene Pereira Romero	
	and Lina Salazar	
	Introduction	75
	Market analysis	78
	Access to crop genetic resources	83
	Discussion	90
	Conclusions	92
6	Pigeonpea Seed Supply and Diversity: A Case Study of	
	Local Seed Markets in Makueni District, Eastern Kenya	95
	Patrick Audi, Latha Nagarajan, Richard Jones and Mohamed Somo Ibrahim	
	Introduction	95
	Policy-setting	97
	Market analysis	100
	Causes for variation of pigeonpea seed supply in local markets	117
	Summary and conclusions	121
7	Access to Minor Millet Genetic Resources in Rural Market	10-
	Towns of Dharmapuri District, Tamil Nadu, India	125
	Latha Nagarajan, E. D. I. Oliver King, Melinda Smale and Timothy J. Dalton	
	Introduction	125