













AGRICULTURAL GROWTH IN WEST AFRICA

Market and policy drivers















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edited by

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Foreword

7 est African Agriculture is at a turning point. After long periods of limited attention to the sector, West African countries and their Development Partners now clearly recognize the sector's vital importance for broad-based growth, food security, nutrition and poverty reduction. This renewed attention to Agriculture has crystalized around the Comprehensive African Agriculture Development Programme (CAADP), which in West Africa is implemented by the Economic Community of West African States (ECOWAS) and its member states as part of the ECOWAS Regional Agricultural Policy (ECOWAP). The recognition of agriculture's vital role has coincided with fundamental changes in the regional and global context for agricultural growth, bringing about unprecedented opportunities along with new challenges. The combination of strong demand growth, higher agricultural prices, and an improved macroeconomic and policy environment has generated the most conducive conditions for agricultural growth in over 30 years. At the same time, new challenges ranging from climate change to increased price volatility threaten the ability of West Africans to seize these opportunities.

This study on Agricultural Growth in West Africa (AGWA) is thus very timely. It examines Agriculture in its broader framework of a transforming agrifood system, from input supply to the consumer, for the 15 ECOWAS countries, using the term Agriculture (with a capital "A") to designate this entire system. Based on an analysis of the drivers of past and potential future growth, the study derives implications for the design and implementation of more effective

and inclusive Agricultural policies and investments. As West African Agriculture is responding to the region's demographic, social and economic transformations, policy making has become more complex. The range of stakeholders has broadened, with private sector and civil society organisations playing stronger roles in policy formulation and implementation. Hence, intersectoral coordination is becoming ever more important. Addressing the multiple demands on the Agricultural sector requires going well beyond the traditional mandates of ministries of agriculture. Crafting Agricultural policies now involves understanding the interconnections among issues as diverse as research, transport investments, monetary policies, and nutrition education. This document collates a rich source of empirical information, knowledge and analysis highlighting these interconnections.

Acknowledging the many opportunities and threats emanating from the changing context for West African Agriculture, the African Development Bank (AfDB), ECOWAS and the Food and Agriculture Organisation of the United Nations (FAO) decided to join forces in carrying out this analytical work. The study's aim is to provide a stronger empirical foundation to inform the ongoing policy reform and investment choices at the national and regional levels and to serve as a source of information and analysis to a broad range of stakeholders working to build a more robust, sustainable and inclusive West African Agriculture. The study has a forward-looking perspective and is essential reading for policymakers, development partners, scientists, farmers and other players in the agrifood system alike.

Donald Kaberuka

President African Development Bank José Graziano da Silva

Director-General
Food and Agriculture Organization
of the United Nations

Kadré Désiré Ouédraogo

President ECOWAS Commission

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he Agricultural Growth in West Africa (AGWA) study has been a joint undertaking of the African Development Bank (AfDB), the Food and Agriculture Organization of the United Nations (FAO) and the Economic Community of West African States (ECOWAS). This report is the result of a collective effort built upon the contributions of many organizations and people. The implementation of the study rested with the FAO Investment Centre and was led by Frank Hollinger, in close collaboration with the FAO's Regional Office for Africa and Technical Divisions. The main authors of the study are Frank Hollinger (FAO) and John Staatz (Michigan State University, MSU). Valuable intellectual guidance and comments were provided by James Tefft, Mohamed Manssouri, Henri Josserand, Abdoulaye Mbaye (all FAO), Nango Dembélé, Boubacar Diallo and Steven Haggblade (all MSU), and Panos Konandreas (consultant).

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In order to strengthen the empirical base for the study, the study team commissioned a number of background papers and notes that provided inputs into this final report. The authors of these background papers included Arlène Alpha (trade policy), Denis Drechsler (value chains), Andrew Lambert (agro-industries), Panos Konandreas (price volatility, trade), Maurice Taondyandé and Mbaye Yade (budget consumption surveys), and Andrea Woolverton (food consumption and retail case studies). Several persons contributed to the fieldwork on food consumption and trends in Accra and Lagos and on agro-industries in Nigeria. These include Anthony Akunzule, Stephan Frimpong, Joan Nimarkoh, James Tefft, Adeniyi Ologunleko, Bolarin Omonona and Andrea Woolverton. The AGWA team carried out interviews in several

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The final version of the report was edited by Miriam Sohlberg and proofread by Julia Seevinck. Steve Longabaugh of Michigan State University provided valuable assistance in preparing several of the maps and the figures for publication.

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Table of Contents

Foreword	d	
Acknowle	edgements	V
Table of	Contents	VII
List of Ta	ables	X
List of F	igures.	XI
List of B	oxes	XII
List of A	cronyms	XIII
Major F	indings	XVII
Synthesis		
l.	Study background and motivation	
II.	Key trends and drivers of change	2
III.	Implications of these trends and drivers of change for Agricultural growth and policies	5
IV.	How has the agrifood system responded to changing demand and market trends?	8
V.	Why has supply response lagged behind the growth of demand?	
VI.	Evolution of domestic and regional Agricultural policies	
VII		
VII	I. The way forward: major design principles for more effective Agricultural policies	22
IX.	The way forward: key elements to enhance policy effectiveness	28
1. Introd	uction	37
1.1	Why a study of Agricultural policy in West Africa?	37
1.2	Background, purpose and scope of the study	39
1.3	The AGWA final report: a reader's guide	40
Part.	I	
Transform	mation of Agrifood Systems in West Africa: Drivers and Trends	45
	rs of Structural Change in West African Agriculture	
2.1	3 1	
2.2	33 3	
2.3	ş	
2.4		
2.5	ÿ ÿ	
2.6	Summary of main findings	68

3. Produc	tion Response	71
3.1	A highly diverse agricultural production base	
3.2	Trends in regional agricultural production	72
3.3	Trends in agricultural productivity	
3.4	Reasons why supply response has lagged the growth of demand	80
3.5	Conclusions regarding production response	94
4. Trade l	Response	95
4.1	Agriculture's role in West Africa's merchandise trade	
4.2	Aggregate trade balances: merchandise, agriculture and food	
4.3	Imports: composition, trends and import dependency	
4.4	Exports: composition, trends, and competitive position	
4.5	Intra-regional trade	
4.6	Quality demands in regional and overseas export markets	
4.7	Summary of main findings.	
	endix to Chapter 4	
Focus Seci	ion A: Food Price Volatility in West Africa: Impacts, Causes, and Policy Options.	118
Part I	TT	
rari		
Demand	and Consumption Trends in West Africa	127
5 Trends	in Apparent Per Capita Food Consumption	120
5.1 5.1	Performance in terms of increasing macronutrient availability	129
5.2	Starchy staples	
5.3	High quality protein sources	
5.4	Fruits and vegetables	
5.5	Vegetable oil	
5.6	Sugar and sweeteners.	
5.7	Alcoholic beverages	
5.8	Summary of key findings and policy implications	
	endix to Chapter 5	
Арр	endix to Chapter 3	142
6. How d	o Urbanization and Income Levels affect Food Consumption?	
Insight	s from Budget-Consumption Studies	
6.1	Methodological issues	147
6.2	The importance of food expenditures in households' budgets	148
6.3	Structure of food expenditures by major food group.	150
6.4	Quantifying the relationship between income growth and demand	
6.5	Synthesis: main findings and policy implications	
Арр	endix to Chapter 6	
7. The Ris	ing Middle Class and Evolving Food Demand in Ghana and Nigeria	169
7.1	Context: key features of structural transformation in Ghana and Nigeria	
7.2	Main results from the consumer interviews	
7.3	Synthesis: main findings and policy implications	180

Part III

How are V	Vest African Agrifood Systems Responding to Market Trends?	185
8 Modern	n Food Retailing in West Africa: Emerging Trends and Outlook	187
8.1	Background: global evidence on the "supermarket revolution"	
8.2	Evidence from sub-Saharan Africa	
8.3	Modern food retailing in West Africa	
8.4	Outlook	199
8.5	Main findings and policy implications	201
9. Agropro	ocessing and Agro-industries: Current State, Opportunities and Challenges	
9.1	Background: agroprocessing and agro-industries	
9.2	Key features of agroprocessing in West Africa	
9.3	Overall sector performance and trends	
9.4	Opportunities and constraints for expanding agroprocessing in West Africa	
9.5	Main findings and policy implications	217
10. Respon	nse of Selected Value Chains	223
	Value chains oriented towards West African consumers	
	Value chains oriented towards exports	
	Other value chains with strong growth potential	
10.4	Summary of key points and conclusions	258
Part 1		
Policies fo	r Agrifood Systems Development in West Africa	263
44 37 1		
	nal and Regional Agricultural Policies: Evolution and Current Challenges	
	Agricultural policies from independence through the mid-1980s: a state-led development approach Structural adjustment and the retreat from Agriculture	
	The initial policy response to structural adjustment	
	The emergence of ECOWAP/CAADP	
	Impacts of the "rediscovery of Agriculture" especially ECOWAP/CAADP	
	Do the CAADP policies and investments address the key demand and structural	
	challenges facing West African Agriculture?	
11.7	Missing or underemphasized policies and missing links with other policies	297
11.8	Policy implementation	
11.9	Summary of key findings	301
Арр	endix to Chapter 11	303
Focus Sect	ion B: Stakeholder Involvement in Policy Development and Implementation	311
Focus Sect	ion C: Improving Access to Fertilizers, Improved Seeds, Pesticides and Veterinary	
	Policy Development and Implementation	315

Focu	us Section D: Policies Regarding Land Tenure and Water Rights	321
12. 7	Trade Policy	325
	12.1 The policy goal: building a unified West African market	325
	12.2 The trade integration agenda: progress and remaining challenges	328
	12.3 Improving policy coherence	342
	12.4 Dealing with price volatility	
	12.5 Additional areas to address	347
	12.6 Conclusions and remaining questions about the future of regional trade policies	348
13. 1	Main Findings, Policy Implications and the Way Forward	351
	13.1 Main findings and policy implications	
	13.2 The way forward: major design principles for more effective Agricultural policies	357
	13.3 The way forward: guiding principles to enhance policy effectiveness	
Bibli	liography	374
	Photo Credits	
Lis	st of Tables	
2.1	Past and projected population estimates of ECOWAS member states.	
2.2	Urbanization rate estimates, 1990 - 2050	
2.3	Average shares of agriculture, industry and services sectors in overall GDP.	
2.4	ECOWAS GDP growth rates and share of regional GDP	
2.5	Poverty headcount ratios and Gini coefficients for West African countries	
2.6	The West African middle class in 2008	
2.7	The state of undernutrition in the ECOWAS zone, 1992-2008.	
3.1	ECOWAS Agricultural production by value	
3.2	Volume and growth rates of main crops	
3.3	Volume and growth rates of main livestock products, by three-year averages	
3.4	Average yields for selected commodities in West Africa and other regions (1990-2012)	
3.5	Country-average yields for selected crops in West Africa, 2008-2010.	
3.6 3.7	Average annual growth rates of land and labour productivity for Africa	
3.8	Fertilizer nutrient consumption, kg/ha, 2003-09 · · · · · · · · · · · · · · · · · · ·	
4.1	Country shares in total regional imports (%)	
A4.1	Evolution of SSRs for cereal commodities by country	
A4.2	Evolution of SSRs for selected non-cereal commodities by country	
5.1	Per capita apparent consumption of cereals and CAGR · · · · · · · · · · · · · · · · · · ·	
5.2	Per capita apparent consumption of roots and tubers and CAGR · · · · · · · · · · · · · · · · · · ·	133
5.3	Share of selected starchy staples in calorie availability from starchy staples	
5.4	Per capita availability of high quality protein sources.	
5.5	Per capita pulse availability	
5.6	Per capita apparent consumption of fruits and vegetables	
A5.1	Daily food energy availability by country	
A5.2	Non-Coastal Sahel: Daily protein availability	

A5.3	Coastal Sahel: Daily protein availability	143
A5.4	Coastal non-Sahel: Daily protein availability	144
A5.5	Daily fat availability by country	145
6.1	Budget consumption surveys analyzed by ReSAKSS	
6.2	Percentage of total household expenditures going to food, by income quintile	148
6.3	Share of urban in total food expenditures for major food groups (%)	149
6.4	Evolution of food budget shares in urban areas (%)	149
6.5	Structure of food expenditures by major food groups (%)	150
6.6	Shares of total expenditures on unprocessed and processed starchy staples, various countries	154
6.7	Income elasticities of demand for food products, by country and place of residence	159
A6.1	Percentage of the food budget allocated to different foods, by income group, in urban areas (%)	165
A6.2	Percentage of the food budget allocated to different foods, by income group, in rural areas	165
A6.3	Evolution of the percentage of food expenditures on different food items in urban areas (%)	166
A6.4	Evolution of the percentage of food expenditures on different food items in rural areas	167
7.1	Focus group sample characteristics, Accra and Lagos, 2011-12	173
7.2	Market size and share of packaged food products in Nigeria, 2011	175
7.3	Past and projected growth in sales of packaged food products in Nigeria	175
9.1	Ranking of countries by the size of their agroprocessing sectors	205
9.2	ECOWAS member states' ease of doing business rankings, 2006-2011	215
10.1	Poultry numbers in West Africa	235
10.2	Chicken prices in Accra in early 2012.	237
11.1	Change in Agricultural incentives: net rates of assistance and relative rates of assistance to Agriculture (%)	268
11.2	Net rates of assistance (%) for cotton farmers	269
11.3	Manufacturing value added as a percent of GDP	269
11.4	Growth rates of per capita GDP	270
11.5	Percentage allocation of NAIP budgets by activity	284
11.6	Observed nominal rates of protection at the farm level, 2005-10	292
11.7	Average annual growth rates of GDP/capita, 2008-11	294
A11.1	Cost components of Senegal's 2011-15 CAADP investment plan	303
A11.2	Distribution of costs of Mali's CAADP PNIP-SA, 2011-15	305
A11.3	Budget of Ghana's NAIP (METASIP), 2011-15	
A11.4	Shares of total public expenditures allocated to agriculture, 1990-2009 (%)	
12.1	ECOWAS CET Tariff Bands	335
12.2	Projected trade protection changes with the adoption of the ECOWAS CET	
12.3	Structure of the fifth band of the ECOWAS CET	336
_		
Lisi	t of Figures	
2.1	Population growth patterns in West Africa	
2.2	Projected urban growth rates in West Africa, 2010-2020	
2.3	Number of people affected by natural disasters in West Africa	62
3.1	Contribution of area and yield to output growth	
3.2	Trends in cereal yields (mt/ha)	
4.1	Share of agricultural products in total merchandise imports (%)	96
4.2	Share of agricultural products in total merchandise exports (%)	
4.3	Total merchandise trade of West Africa with the rest of the world	
4.4	Food trade balance of West Africa with the rest of the world.	
4.5	Trade balances over time of West Africa with the rest of the world	98

4.6	Food trade balance (net exports), 2006 - 2010 (million US\$)	98
4.7	Composition of food imports into West Africa over time	99
4.8	Shares of regional imports of top five importing countries	100
4.9	Self-sufficiency ratios of individual cereals in West Africa (%)	102
4.10	Self-sufficiency ratios of total cereals by country (%).	103
4.11	Self-sufficiency ratios of selected non-cereal commodities in West Africa (%)	104
4.12	Composition of agricultural and fish exports over time	105
4.13	Mapping growth rates of main West African export commodities	107
4.14	Regional Ruminant Livestock Trade Flows, 2010	109
A4.1	Aggregate trade balances of West Africa with the rest of the world.	113
A.1	Examples of imported and internally generated price volatility	119
5.1	Share of palm & palm kernel oil in total vegetable oil availability	139
6.1	Marginal food-budget shares for basic staples in urban areas	161
6.2	Marginal food-budget shares for basic staples in rural areas	161
6.3	Marginal food-budget shares for basic animal products in urban areas	162
6.4	Marginal food-budget shares for basic animal products in rural areas	162
10.1	Rice production basins in West Africa	225
10.2	Structure of the Nigerian cassava value chain	232
10.3	West Africa cocoa bean production, 2012 (in mt)	244
10.4	Cowpea production and trade flows in West Africa	256
11.1	Annual growth rates in production for selected commodities	271
11.2	Share of government budget allocated to Agriculture (%)	290
11.3	Agricultural growth rates in 2008-10 in the ECOWAS countries (%)	293
12.1	Bound and applied tariffs for cereals in West Africa	327
12.2	Road Barriers to Trade in West Africa, April-June, 2010	332
12.3	Change in number of Road Controls per 100 km by country, 2009-2012	332
T:	of of Bonne	
	st of Boxes	
2.1	The double burden of malnutrition in West Africa	61
2.2	From resource degradation to sustainable intensification	65
6.1	Income elasticity of demand and marginal budget shares	157
9.1	Reasons for agroprocessors' limited access to financing	214
10.1	The rice story in the Office du Niger, Mali	228
11.1	New ECOWAS institutions for the implementation of ECOWAP	287
11.2	ECOWAP policy instruments	
C.1	Recommendations for improving the effectiveness of fertilizer subsidy programmes in Africa	319
12.1	Studies of the impact of an EU-ECOWAS EPA on West African agriculture and agro-industry	341

List of Acronyms

3ADI African Agribusiness and Agro-industries Development Initiative

ACP African, Caribbean and Pacific group of countries

AfDB African Development Bank

AGWA Agricultural Growth in West Africa study
ALCO Abidjan Lagos Corridor Organization

AU African Union

BCEAO Banque Centrale des Etats de l'Afrique de l'Ouest

BT Bacillus thuringensis

CAADP Comprehensive Africa Agriculture Development Programme

CCC Conseil du Café-Cacao (Cote d'Ivoire)

CEDEAO Communauté Economique Des Etats de l'Afrique de l'Ouest (ECOWAS in English)

CET Common External Tariff
CIF Cost, Insurance and Freight

CFDT Compagnie Française de Développement des Textiles

CGE Computable General Equilibrium

CILSS Comité permanent Inter-Etats de Lutte contre la Sécheresse dans le Sahel CIRAD Centre International de Recherche Agronomique pour le Développement

CMDT Compagnie Malienne de Développement des Textiles

COFOG United Nations' Classification of the Functions of Government

CORAF Conseil Ouest et Centre Africaine por la Recherche et le Développement

CSSPPA Caisse de Stabilisation et de Soutien des Prix des Produits Agricoles (Cote d'Ivoire)

DAERE Department of Agriculture, the Environment and Water Resources (ECOWAS)

DPT Degressive Protection Tax

EBA Everything but Arms trade agreement of the European Union

ECL ECOWAS Compensatory Levy

ECOWADF ECOWAS Regional Agricultural Development Fund

ECOWAP ECOWAS Regional Agricultural Policy
ECOWAS Economic Community of West African States

EPA Economic Partnership Agreement
ETLS ECOWAS Trade Liberalization Scheme

EU European Union

FAO Food and Agriculture Organization of the United Nations

FBS Food Balance Sheet

FIFF Food Import Financing Facility

FOB Free on Board

GAFSP Global Agriculture and Food Security Programme

GAMA Greater Accra Metropolitan Area
GATT General Agreement on Tariffs and Trade

GDP Gross Domestic Product
GMO Genetically Modified Organism

GOANA Grande Offensive Agricole pour la Nourriture et l'Abondance (Senegal)

GSP General System of Preferences

GSP+ Enhanced General System of Preferences

HAACP Hazard Analysis and Critical Control Points (a method for designing food safety systems)

HLPE High Level Panel of Experts on Food Security and Nutrition

HQCF High Quality Cassava Flour

IFAD International Fund for Agricultural Development

IFDC International Fertilizer Development Center

IFPRI International Food Policy Institute

IITA International Institute for Tropical Agriculture

IMF International Monetary Fund

INSAH Institute of the Sahel

IPC Inter-professional Committee

IPCC Intergovernmental Panel on Climate Change

IRCT Institut de Recherche Cotonnière et des Fibres Textiles Exotiques

ISF Inverse Safeguard Tax

ISIC International Standard Industrial Classification

LBC Licenced Buying Companies (Ghana)

LDC Least Developed Countries

LON Loi sur le Domaine National (Senegal)
LOA Loi d'Orientation Agricole (Mali)

LOASP Loi d'orientation agro-sylvo-pastorale (Senegal)

MBS Marginal Budget Share
MDG Millennium Development Goal
MFBS Marginal Food Budget Share
MFN Most Favoured Nation

MIR Marketing Inputs Regionally (a joint project of the International Fertilizer Development Center and ECOWAS)

MTBF Mid-Term Budget Framework (Nigeria)
MTSS Mid-Term Sector Strategy (Nigeria)
MVA Manufacturing Value Added

NAIP National Agricultural Investment Plan

NBS Nigerian Bureau of Statistics
NCB Nigerian Cocoa Board

NEPAD The New Partnership for Africa's Development

NGO Non-governmental organisation
NRA Nominal Rate of Assistance
ODA Official Development Assistance

OECD Organization of Economic Cooperation and Development

ON Office du Niger (Mali)

PAPED EPA development programme of the European Union

PAU Politique Agricole de l'UEMOA

PDDAA Programme Détaillé de Développement de l'Agriculture Africaine (known in English as CAADP)

PNIP-SA Plan National d'Investissement Prioritaire dans le Secteur Agricole (Mali)

PNISA Plan National d'Investissement du Secteur Agricole (Mali)

QSR Quick Service Restaurant

RAIP Regional Agricultural Investment Plan
REC Regional Economic Community

ReSAKSS Regional Strategic Analysis and Knowledge Support System

RESOGEST Réseau des Structures Publiques en charge de la Gestion des stocks nationaux de sécurité alimentaire au Sahel et en

Afrique de l'Ouest

ROPPA Réseau des Organisations Paysannes et de Producteurs de l'Afrique de l'Ouest (Network of Peasant Organisations and

Producers in West Africa)

RRA Relative Rate of Assistance
SAP Structural Adjustment Programme

SME Small and Medium Enterprises

SOFITEX Société Burkinabé des Fibres Textiles (Burkina Faso)

SPS Sanitary and Phytosanitary Measures

SSR Self-Sufficiency Ratio
STI Safeguard Tax on Imports

SWAC Sahel and West Africa Club of the OECD

TBT Technical Barriers to Trade

UEMOA Union Economique et Monétaire Ouest Africaine (WAEMU in English)

UNCTAD United Nations Conference on Trade and Development
UNDESA United Nations Department of Economic and Social Affairs

UNECA United Nations Economic Commission for Africa

UNFPA United Nations Population Fund

UNIDO United Nations Industrial Development Organization USAID United States Agency for International Development

USD United States Dollar

USDA United States Department of Agriculture

VAT Value Added Tax

WAEMU West African Economic and Monetary Union (known in French as UEMOA)

WAMZ West African Monetary Zone
WAQP West Africa Quality Programme

WECARD West and Central African Council for Agricultural Research an Development

WTO World Trade Organization

The AGWA study examines, for the ECOWAS region, the opportunities and challenges facing the agrifood system (referred to in the study as Agriculture, with a capital A) emanating from a rapidly changing context for Agricultural growth. It analyses more closely the drivers and trends affecting the demand for and supply of agrifood products, the performance of the Agricultural sector and related policies, and the implications for future policy priorities. Major findings and key messages about the way forward include the following:

Major Findings

Opportunities for West African Agricultural growth are unprecedented

- Market opportunities for West African food producers are increasingly dynamic due to population growth, urbanisation, income growth, dietary diversification and higher output prices. The strongest market growth potential exists for animal products, followed by rice, fish, and fruits and vegetables. Producing and marketing such products are labour-intensive and offer potential for substantial job creation.
- Food demand is transforming from undifferentiated bulk commodities towards food products with differentiated quality attributes such as nutritional and health characteristics, packaging, and ease of preparation, offering important opportunities for value addition. Much of this growing demand is currently captured by imports.
- Global demand for Agricultural products is also expanding, especially in fast-growing emerging economies, providing increased opportunities for West Africa's traditional and non-traditional agricultural exports.
- The Agricultural policy and incentive environment has improved over the past two decades and raised Agriculture's profile at the national, regional and global levels, most recently through the ECOWAP/CAADP process.
- The emergence of more independent, dynamic stakeholder organisations enhances growth prospects.

But these opportunities are combined with new challenges for West Africa's agrifood systems, rendering policy making more complex

- The international market environment has become increasingly volatile, making long-term projections increasingly difficult.
- West African Agriculture is facing growing competition, both on the market side and for its natural resources, including land and water.
- Agricultural policy development and implementation is increasingly complex because of the greater number of stakeholders involved and the multiple demands placed on Agricultural policy, ranging from broad-based income growth through job creation to provision of increasingly nutritious and safe food to environmental protection.
- Restricting food imports to raise prices in order to stimulate regional production will become politically more difficult in view of the increasing numbers and political weight of poor consumers in urban areas and because the majority of West Africans spent a large share of their incomes on food.
- The growing importance of regional integration requires increased policy coordination across ECOWAS member states.
- Achieving the broad set of objectives that West Africans want their agrifood system to accomplish requires actions well beyond the

- traditional mandates of ministries of agriculture, requiring better coordination among a range of ministries (e.g., agriculture, health, transport, energy, education) and among levels of government (national, provincial, and local).
- The dietary transition underway, particularly in urban areas, is resulting in a double burden of malnutrition, where undernutrition coexists with increasing levels of overweight and obesity and their attendant problems such as heart disease, hypertension and diabetes.

West Africa's growth remains highly vulnerable to shocks

- West Africa's strong economic growth has been driven to a significant extent by a natural resource boom and extractive industries. As many of these resources are non-renewable, policies need to focus on productively investing earnings from them in order to increase productivity throughout the economy, including the agrifood system, rather than simply using them to finance growing food imports.
- The region remains vulnerable to natural and man-made disasters, as exemplified most recently by the Ebola crisis. Hence, the agricultural growth agenda needs to be closely linked to the resilience agenda.

West Africa's response thus far to these opportunities and challenges has been mixed

Despite strong output growth over the past 30 years, especially in many food staples, supply response in some of the more dynamic markets has not kept up with demand growth (e.g., for rice, livestock products, and processed products). Furthermore, there has been an inconsistent record in increasing productivity and hence lowering per-unit production costs, as output expansion has often involved environmentally unsustainable extensification. As a result, West Africa's competitiveness has been declining for many tradable agricultural products, as evidenced by growing food imports and the region's declining share in several of its traditional export markets.

While there are a number of West African Agricultural success stories, most Agricultural value chains suffer problems of poor coordination and limited trust among actors, associated with high costs and limited transmission of information and incentives. Given these weaknesses of domestic supply chains, many of the most dynamic domestic market segments for processed food products are based on imported raw materials. The success stories show the potential of what could be achieved. Crucial challenges include learning from past successes, adapting key lessons from them to other settings, and scaling up.

Policy implementation is a bigger challenge than policy design. Problems of implementation are often related to three factors:

- » A tendency to propose solutions that are well beyond the financial and human-resources at the disposal of the implementing entities.
- Frequent policy reversals and ad hoc government interventions creating mistrust between private actors and the government, undermining policy effectiveness and investment incentives.
- Diverging interests and the poor alignment of incentives, either at the national or at the individual level, to implement the proposed policies. Divergent national interests explain some of the difficulty in reaching agreement on regional trade regulations and the lacklustre enforcement of them once they are officially adopted. The lack of alignment of individual incentives with regional and national interests coupled with poor governance and institutional capacity are at the heart of much of the rentseeking behaviour that still hinders regional trade and the effectiveness of regional and national Agricultural policies.

The Way Forward: Key Messages

Six broad principles should guide Agricultural policies in the region:

- 1. The diversity of West African agrifood systems requires a differentiated set of policies for and within each segment of the system, from farming through agroprocessing to retailing. A one-size-fits-all approach to policy is likely to fail. Levelling the playing field between food system actors of different sizes, and special support to women and youth are cross-cutting policy priorities, while linkage opportunities with larger food systems stakeholders with transformational potential should not be dismissed.
- 2. Agrifood system interventions need to be based on a firm understanding of the rapidly evolving nature of consumer demand to identify investment opportunities for different food system stakeholders and guide priorities for supporting public policies and investments.
- 3. Improving productivity throughout the agrifood system is the only sustainable way to meet both consumer and producer needs simultaneously. Rather than a simple replication of a "Green Revolution", a combination of sustainable intensification, climate-smart agriculture and inclusive-value chain development is needed.
- 4. Enhancing value addition is essential to capturing more lucrative markets and raising incomes in the agrifood system. This requires an enabling investment environment, improved market and transport infrastructure, and strengthened stakeholder organizations from farmers to consumers.
- 5. If West African Agriculture is to be competitive in a wide range of products with large global actors such as Brazil, China and India, it needs to capture some of the scale economies those countries enjoy in agricultural research, input markets and technology development, amongst others. This is only possible if there is greater regional integration. The future of

- regional integration, however, depends critically on the behaviour of the big players, especially Nigeria. In the past, Nigeria and other large players, such as Ghana, Côte d'Ivoire and Senegal, have often taken policy actions that have hindered greater regional integration.
- Agricultural productivity growth needs to be complemented by measures to enhance resilience.

Achieving more rapid, broad-based and sustainable Agricultural growth in West Africa requires an improved policy environment, critical public-sector investments and strengthened policy implementation.

- **Mn improved policy environment is needed to induce greater Agricultural investment in productivity-enhancing technologies and institutional innovations by private-sector actors (including farmers); enhances quality and improves risk management throughout the agrifood system; and provides a more predictable and effective set of tools for improving the poor's access to food. Key elements of an effective policy environment are its predictability, focus, participation and inclusiveness (including gender inclusiveness), coherence, and ability to evolve over time as the economy and broader society evolves.
- Critical public-sector investments should complement and "crowd-in" additional private investment and address critical food policy objectives, such as improved risk management.

Increasing the level of public investments in and for Agriculture (e.g. up to the CAADP target of 10% of the government budget) is important, but a better investment mix is even more important. Much of the recent increase in agricultural spending has been used for subsidies for private goods, mainly fertilizer and other inputs, as well as farm equipment. The danger is that heavy spending on subsidies may crowd out other public investments in key public goods, which are critical to long-term growth, while at the same time discouraging private investments in input provision.

The public sector should focus its investments in areas with the highest returns for long-term, broad-based growth, and in which the private sector has limited ability or incentives to invest. Key elements include:

- Agricultural research, extension, strengthening stakeholder organizations and promoting development and related human capital development.
- Infrastructure, especially rural roads, market infrastructure, irrigation and a reliable supply of electricity.
- Building the skill base for Agriculture in the twenty-first century, through a transformation of Agricultural education systems, from the primary schools through universities. Transforming West African Agriculture will require a profoundly different set of skills at all levels in the agrifood system than currently exists in most ECOWAS countries.
- Supporting collective action, strengthening stakeholder organizations and promoting institutional innovations for managing risks and reducing transaction costs.
- Working with the private sector to improve food safety and quality.
- Investment in hardware needs to be complemented by policy and regulatory reforms, such as reform of rules that restrict competition in the trucking industry and thus reduce the returns to improved roads and policy reforms in agricultural finance that are needed to induce greater private grain storage and hence increase returns to investments in storage infrastructure.

- To reap the full benefits of public investments in infrastructure, capacity development and collective action in terms of stimulating complementary private investments, further improvements are needed in the ease of doing business. ECOWAS countries generally rank in the bottom third of all countries in the world in terms of the World Bank's indicators of ease of doing business (licensing requirements, time to register a business, corruption, etc.).
- Improving policy implementation requires (1) strengthening the implementation, analytic, and monitoring and evaluation capacities of key agencies and organisations charged with implementation; (2) improving the data base upon which policy decisions are made, and (3) strengthening the alignment between the interests of the different countries, individual actors, and the region as a whole. Perhaps the strongest incentives for transparent and effective policy implementation will result from encouraging strong national and regional private-sector and civil-society stakeholder groups and a free press that can act as counterweights to inefficient and/or corrupt policy implementation.