AGRICULTURAL SUBSIDIES IN THE WTO GREEN BOX

Do the World Trade Organization's rules on 'green box' farm subsidies allow both rich and poor countries to achieve important goals such as food security, or do they worsen poverty, distort trade and harm the environment?

Current WTO requirements set no ceiling on the amount of green box subsidies that governments can provide, on the basis that these payments cause only minimal trade distortion. Governments are thus increasingly shifting their subsidy spending into this category, as they come under pressure to reduce subsidies that are more directly linked to production. However, growing evidence nonetheless suggests that green box payments can affect production and trade, harm farmers in developing countries and cause environmental damage. By bringing together new research and critical thinking, this book examines the relationship between green box subsidies and the achievement of sustainable development goals, and explores options for future reform.

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AGRICULTURAL SUBSIDIES IN THE WTO GREEN BOX

Ensuring Coherence with Sustainable Development Goals

Edited by RICARDO MELÉNDEZ-ORTIZ CHRISTOPHE BELLMANN JONATHAN HEPBURN





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PREFACE

Agriculture remains the main source of livelihood for more than 2.6 billion people in the world, the majority of whom are located in developing countries. Rising incomes, urbanization and shifting consumption patterns have increased food consumption in most areas of the world. However, despite spectacular increases in food production per capita, major distributional inequalities in access to food persist. In 2006, the proportion of children under five who are undernourished declined from 33 per cent in 1990 to 26 per cent in 2006, and more than 140 million children in developing countries were underweight – suggesting that governments may well miss the target of halving, between 1990 and 2015, the proportion of people who suffer from hunger.¹

At the same time, according to the Millennium Ecosystem Assessment, the prospect of providing sufficient food to sustain another 2 billion people by 2020 has rightly focused attention on the very real threats to food security if the productivity of agricultural systems cannot keep pace with this demand. As these systems are under increasing pressure to meet the growing need for food, it is also vital that the environmental challenges associated with food production are addressed effectively – water pollution, pesticide use, land degradation and greenhouse gas emissions, amongst others.

It is widely recognized that government policies are significant drivers of food production and consumption patterns, both locally and globally. Massive production and export subsidies, notably in the EU and US, continue to stimulate over-production, while imports of politically sensitive products remain heavily protected through an armada of tariff and non-tariff measures. Such policies have in turn undermined developing countries' ability to promote rural development, develop their export sectors and to protect their vulnerable rural populations from unfair competition. While budgetary concerns, political controversy and demands from trading partners have initiated a move away from the most damaging types of subsidies, a significant proportion of developed country spending remains linked to farm production levels.

1 UN Millennium Development Goals 2008 report.

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PREFACE

The reform of the global agriculture trading system initiated during the Uruguay Round with the objective of establishing a "fair and market oriented trading system" plays a major role in this process. The establishment during the Uruguay Round of a special category of subsidies that are exempt from reduction commitments on the grounds that they have "no, or at most minimal, trade-distorting effects or effects on production" was arguably a critical moment in moving towards a new consensus on agricultural trade policy. Developed countries would be allowed to retain subsidies that deliver various kinds of public goods in exchange for bringing agriculture within the WTO system and committing to future reductions of trade-distorting support. Subsequently, the green box has been increasingly seen as representing the future direction of agricultural trade policy, with governments announcing that they will decouple support from production, and notifying an ever-greater share of subsidy spending as green box.

However, there are now also growing concerns that payments being notified in the green box do not necessarily always fulfill the criteria of causing not more than minimal trade distortion – concerns raised by many developing countries, but also by a number of developed country exporters. At the same time, critics have argued that the current green box criteria essentially address developed country concerns and do not necessarily accommodate the types of minimally trade-distorting programs prevailing in the South. Developing countries have thus called for the rules on green box subsidies to be changed so as to minimize effects on production, and to ensure that their own current and future needs are properly covered. To what extent are the fears of the green box's critics justified? And to what extent is the rhetoric of its defenders borne out by reality?

If agricultural trade policy is indeed to be transformed so that it truly promotes equity, food security and sustainable livelihoods, a wider community of stakeholders needs to be involved in the policy formulation process in both developed and developing countries. Accurate, up-to-date and reliable information needs to be made available on the issues at stake, and policy-oriented, ground-breaking research needs to be produced. This book aims to contribute to this process by bringing an authoritative collection of research and opinion pieces to the attention of a wider audience. It is the result of a two-year enquiry process involving a wide range of trade and agriculture officials, independent thinkers, experts and activists through a rich and open dialogue.

The chapters presented here are intended to move away from a debate which has been too often characterized by the ritual repetition of

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well-worn negotiating positions, and towards a reinvigorated discussion that is informed by empirical evidence, considered opinion and creative, critical thinking. By bringing this analysis to the attention of decisionmakers, negotiators and a wider audience in both developed and developing countries, we hope to ensure that trade policy-making in this area more effectively addresses broader public policy goals.

The book is divided into a number of different sections. The first part seeks to examine the recent evolution of agricultural trade policy reform, looking in particular at developments in the EU, the US and Japan, and seeking also to situate the green box within the context of these historical reform processes. Part 2 examines the focus, extent and economic impact of green box subsidies, using empirical evidence to characterize the scope and nature of current programs. Parts 3 and 4 examine green box subsidies and their relationship with development objectives and the environment, while a final section provides five different perspectives on how future change can take place.

Part I: The evolution of agricultural trade policy reform

This section opens with a chapter by Ambassador Néstor Stancanelli, who represented Argentina during the 1986-1994 Uruguay Round negotiations: this chapter sets out the origins of the green box during these negotiations, explores the political processes and economic context that led to its genesis and discusses its current significance in the context of the movement towards a fair and market-oriented agricultural trading system. A chapter by Jonathan Hepburn and Christophe Bellmann then describes the current state of negotiations on the green box under the Doha Round, looking at the different interest groups that are involved, and examining the various stages through which the debate at the WTO has evolved. Three chapters then examine the recent evolution of trade policy reform in the three WTO members which make greatest use of these payments - the EU, the US and Japan. Professor Alan Swinbank traces the history of European policy reform in recent decades, and explores efforts to decouple agriculture from production, looking at both the internal and external context of policy evolution. Professor David Orden examines current and future issues facing US farm policy in a historical context, and examines the ways in which the 1995-1996 reforms of the main commodity programs have since been reversed with the re-institutionalization of counter-cyclical payments in 2002. He also analyzes the relevance of WTO disciplines for trade policy reform in the US, and explores a number of possible future trends. Completing the analysis of the evolution of

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farm policy reform in these three WTO members, Professor Masayoshi Honma examines the restructuring of Japanese agriculture in recent years. He focuses in particular on the challenges involved in moving away from an agricultural sector that is heavily characterized by large numbers of part-time farmers operating on relatively small areas of land, towards one which is more competitive in the global economy.

Part II: The focus, extent and economic impact of green box subsidies

In Part 2, Jesús Antón seeks to map out an objective overview of the state of green box subsidy spending in the EU, the US and Japan, by looking at green box spending in the wider context of subsidy spending as a whole. Argentinean economists Carlos Galperín and Ivana Doporto Miguez then examine whether green box subsidies, when provided in combination with those categorized elsewhere at the WTO, have a cumulative effect which ultimately leads to significant effects on production and trade. Finally, two chapters analyze the distributional structure of green box subsidies: one, by Vincent Chatellier, examines the situation in the EU and France, and another, by Harry de Gorter, looks at the US. The chapter by Vincent Chatellier analyzes the distribution of payments under different types of green box programs, including both historical trends and expected future patterns following the implementation of the 2003 reform of the EU's Common Agricultural Policy, and looks at the implications of this distributional structure for the achievement of broader public policy goals. Professor Harry de Gorter then explores the distribution of green box payments in the US, providing an estimate of the distribution of payments by commodity as well as by farm size.

Part III: Green box subsidies and developing countries

In a wide-ranging overview, four researchers from the Brazilian *Instituto de Estudos do Comércio e Negociações Internacionais* (ICONE) offer their insights into the opportunities and challenges faced by developing countries in this area. André Nassar, Maria Rodriguez-Alcalá, Cinthia Costa and Saulo Nogueira present an analysis of the historical experience with green box subsidies, discuss some of the theoretical issues that need to be addressed and review the main negotiating proposals that have been put forward during the Doha Round. Complementing this analysis, the chapter by Biswajit Dhar provides a wealth of data on the extent to which

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developing countries currently use the various types of green box programs, and examines a number of significant trends that emerge. Dhar also puts forward some initial suggestions on how the existing criteria might be modified in order better to reflect developing country needs. Two further chapters in this section explore the relevance of the green box for China and for African countries. A chapter by Jianmin Xie explores some of the key issues at the national and global level, discusses trends in both developed and developing country spending, and examines the future role of the green box in achieving public policy objectives in China. Finally, the chapter by Abena Oduro looks at green box subsidies from the perspective of African countries: she examines in particular the specific conditions that characterize African agriculture in order to determine the extent to which existing green box criteria, and proposals to modify them, provide adequate policy space for countries in this region to address the particular problems that they face.

Part IV: Green box subsidies and the environment

In Part 4, a chapter by Ron Steenblik and Charles Tsai examines the environmental effects of green box subsidies, and points to paths which decision-makers could explore in order to minimize negative impacts and maximize positive ones. Two further chapters look more specifically at the environmental impacts of green box subsidies in the EU and US. A chapter by Ariel Brunner and Harry Huyton demonstrates how, while some green box subsidies are closely targeted at the achievement of concrete environmental goals, others remain little more than disguised income support payments, and some may even provide support for activities that are damaging to the environment. Complementing this analysis, Jane Earley's chapter on the US situation provides an exhaustive analysis of the different types of environmental impact that are associated with the 12 primary categories of green box programs, and concludes by providing a number of recommendations for mitigating these effects. Finally, a chapter by Professor Tim Josling and Professor David Blandford explores the complex web of issues in the area of biofuels, looking at the green box in the larger context of WTO rules on subsidies, as well as current practice and policy frameworks in a number of countries.

Part V: Looking forward: how can change take place?

In the final section, a number of experts provide their perspectives on how the current subsidy regime can be reformed. Three chapters again

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PREFACE

examine the situation in the EU, the US and Japan. A chapter by Teresa Cavero explores the political relationships between key actors involved in the CAP reform in the EU, examining in detail the influence of different interest groups and the implications this could have for rural development, the environment, developing countries, climate change and migration. Looking at the US, Ann Tutwiler uses the debate over the 2007 Farm Bill to provide a snapshot of the different interest groups, coalitions and constituencies that are seeking to influence agricultural trade policy in the US over the coming five years and beyond. The author provides an overview of the main issues around US green box payments and the decoupling process in the US, and situates the current ongoing efforts at reform in the context of debate in recent decades. For Japan, a chapter by Kazuhito Yamashita demonstrates the extent to which moves to decouple support from production have only been partially successful in Japan, particularly in the case of rice, and shows how the significant political influence of part-time farmers, through agricultural cooperatives, has influenced the decisions of political parties and trade policy-makers. Two other chapters examine some of the systemic issues facing the existing international framework. One of these, by Andrea Cerda, presents concrete practical options for reforming the existing monitoring and surveillance system so that it functions more effectively, given that major subsidizing countries have repeatedly lagged several years behind with their subsidy notifications, and the difficulties in matching notified spending with actual programs in individual countries. Finally, a chapter by Pedro de Camargo Neto and Renato Henz proposes options for subsidy reform, with a view to achieving the "fair and market-oriented" agricultural trading system which WTO members have agreed to establish. Recognizing that the green box must eventually form the core of the "permanent" domestic support disciplines in agriculture, after the elimination of other trade-distorting measures, the authors emphasize the need for the integrity of the criteria in this area, whilst also pointing to the role of litigation as a tool for enforcing rules and disciplines that have already been agreed.

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LIST OF ABBREVIATIONS

ABARE	Australian Bureau of Agricultural and Resource Economics
ABIMAQ	Brazilian Machinery Manufacturers Association
ACP	African, Caribbean and Pacific group
ACRE	Average Crop Revenue Election program
AFBF	American Farm Bureau Federation
AFL-CIO	American Federation of Labor and Congress of Industrial
	Organisations
AIE	Analysis and Information Exchange
AITIC	Agency for International Trade Information and Cooperation
ALARN	Asia Latin America Agri-Food Research Network
AMS	Aggregate Measurement of Support
AMkS	Agricultural Marketing Service
AMTA	Agricultural Market Transition Act
AMTAcc	Agricultural Market Transition Accounts
ANOVA	analysis of variance
AoA	WTO Agreement on Agriculture
APEC	Asia-Pacific Economic Cooperation
APHIS	Animal and Plant Health Inspection Service
ARS	Agricultural Research Service of the United States Department
	of Agriculture
ASAP	Alliance for Sensible Agricultural Policies
ASCM	Agreement on Subsidies and Countervailing Measures
ASEAN	Association of South-East Asian Nations
AWU	Agricultural Work Unit
CAD	Contrat d'Agriculture Durable (Sustainable Agriculture
	Contract)
CAE	Conseil d'Analyse Economique
CAFOs	Concentrated Animal Feeding Operations
CAITEC	Chinese Academy for International Trade and Economic
	Cooperation
CAP	Common Agricultural Policy of the European Union
CAssP	Commodity Assistance Programme
CBD	Convention on Biological Diversity
CBI	Caribbean Basin Initiative
CBO	US Congressional Budget Office
CCC	Commodity Credit Corporation

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CCIA	Climate Change Initiative for Agriculture
CCP	countercyclical payments
CEAP	Conservation Effects Assessment Project
CEC	Commission of the European Communities
CEI	Centro de Economía Internacional
CENTAD	Centre for Trade and Development
CEPA	Centre for Policy Analysis
CG-18	Consultative Group of 18
CIDE	Contribuição de Intervenção do Domínio Econômico
C.i.f.	cost, insurance and freight (price)
СМО	Common Market Organisation
CNPP	Centre for Nutrition Policy and Promotion
COP	Céréales, oléagineux, protéagineux (cereals, oilseeds, pulses)
COPA-COGECA	Committee of Professional Agriculture Organisations – General
	Confederation of Agricultural Cooperatives in the European
	Union
CPC	Communist Party of China
CPE	Coordination Paysanne Européenne
CRP	Conservation Reserve Program
CRS	Congressional Research Service
CSP	Conservation Security Program
CSREES	Cooperative State Research, Extension, and Education Service
CTBTO	Comprehensive Nuclear Test-Ban Treaty Organization
CTE	Contrat Territorial d'Exploitation (Territorial Contracts of
	Farming)
DDT	Dichloro-Diphenyl-Trichloroethane
DFID	UK Department for International Development
DG Competition	EU Directorate-General for Competition
DGAGRI	EU Directorate-General for Agriculture and Rural Development
DGIS	Dutch Ministry of Foreign Affairs
DP	Democratic Party (Japan) – opposition party
DSB	Dispute Settlement Body
EAGGF	European Agricultural Guidance and Guarantee Fund
EC	European Community
ECLAC	Economic Commission for Latin America and the Caribbean
EEC	European Economic Community
EFTA	European Free Trade Association
EIS Act	Energy Independence and Security Act (2007)
EPA	Environmental Protection Agency
EQIP	Environmental Quality Incentives Program
ERS	Economic Research Service of the United States Department of
	Agriculture