

# Contents

<i>Chapter</i>		<i>Page</i>
1. Summary and Options . . . . .		3
Summary . . . . .		3
The Role of Foreign Assistance . . . . .		3
Limitations of U.S. Assistance . . . . .		4
The Recipients of Foreign Assistance . . . . .		6
The Responsibility of African Governments . . . . .		6
Africa Tomorrow . . . . .		7
Options . . . . .		7
On the Right Track . . . . .		7
New Initiatives . . . . .		9
2. Introduction . . . . .		17
Food Problems in Sub-Saharan Africa . . . . .		17
Agricultural Systems in Sub-Saharan Africa . . . . .		20
U.S. Interests in Assisting Developing Countries . . . . .		22
3. Issues in Technology Development . . . . .		27
4. Issues in Technology Transfer . . . . .		43
5. Issues in Technical Assistance . . . . .		59
6. Issues for the African Governments . . . . .		75
Appendix A: List of Additional Reviewers . . . . .		87
Appendix B: The CGIAR in Africa . . . . .		88
Appendix C: "Rural Africa: Modernization, Equity, and Long-Term Development," by Uma Lele; and "Facing Up to Africa's Food Crisis," by Carl K. Eicher . . . . .		95
Appendix D: List of Acronyms . . . . .		135
References . . . . .		139

## List of Tables

<i>Table No.</i>		<i>Page</i>
I. Population Growth Rates in Sub-Saharan Africa . . . . .		18
2. Food and Agriculture in Selected Countries . . . . .		20
3. Centers Supported by the CGIAR, 1984 . . . . .		35
4. The 1890 Institutions . . . . .		37
5. The Role of Private Voluntary Organizations (PVOs): Articles of Faith . . . . .		67

## List of Figures

<i>Figure No.</i>		<i>Page</i>
1. Sub-Saharan Africa . . . . .		5
2. Sub-Saharan Africa, Asia, and Latin America Population Growth Rates, 1950-2000 . . . . .		18
3. Index of Per Capita Food Production, 1961-65 to 1983 . . . . .		19
4. Sub-Saharan Africa, Asia, and Latin America Yields for Staple Crops . . . . .		22
5. Population Projections for Sub-Saharan Africa: 1985-2025 . . . . .		28
6. Urban Population Projections for Sub-Saharan Africa: 1985-2025 . . . . .		28
7. AID-Financed University Contracts and Grants for Technical Assistance to Host Countries—In Millions, Fiscal Years 1970-1980 . . . . .		36
8. AID-Financed University Contracts and Grants for Technical Assistance to Host Countries In Numbers of Contracts and Institutions, Fiscal Years 1970-1980 . . . . .		36
9. Integrating Farming Systems Research and Agricultural Extension for Technology Transfer . . . . .		54
10 Ecological Areas of Africa . . . . .		77