

Contents

<i>List of Figures and Table</i>	<i>page xi</i>
<i>Preface</i>	xiii
<i>Acknowledgments</i>	xix
<i>Summary</i>	xxi
Introduction	1

PART ONE

THE MANY FACES OF AGRICULTURAL TRANSFORMATION
IN AN INDUSTRIALIZING WORLD AND WHAT IT MEANS

Introduction to Part One	13
I. THE INDUSTRIALIZED WORLD	
<i>Success in Agricultural Transformation in England, Japan, and the United States</i>	15
I.I. England’s Agriculture in the 18th and 19th Centuries	15
I.II. Japan’s Agriculture from the Meiji Restoration (1868–1912) to the 1960s, When Its Industrialization Took Off	26
I.III. American Agriculture from the Mid-19th to the 20th Century	35
II. THE DEVELOPING WORLD	
<i>Contribution of Agriculture to a Country’s Drive for Industrialization and Improved Well-Being for All</i>	60
Introduction	60
SECTION A: COUNTRIES WIDELY RECOGNIZED AS HAVING BEEN HIGH PERFORMERS	64
II.I. Ireland	64
II.II. Portugal	68
II.III. The Republic of Korea	73
II.IV. Taiwan, China	86
SECTION B: SELECTED DEVELOPING COUNTRIES WITH SUBSTANTIAL BUT UNEVEN PROGRESS TOWARD INDUSTRIAL STATUS AND BROAD-BASED WEALTH	94
Introduction	94
II.V. India	95
II.VI. The People’s Republic of China	108

II.VII. Indonesia	124
II.VIII. Malaysia	134
II.IX. Tunisia	140
II.X. Brazil	146
II.XI. Chile	164
SECTION C: REVIEW OF SELECTED QUANTITATIVE ASSESSMENTS OF THE CONTRIBUTION OF AGRICULTURE TO OVERALL GROWTH AND POVERTY REDUCTION	176
SECTION D: IS SUCCESS IN AGRICULTURAL TRANSFORMATION IMPORTANT FOR OVERALL DEVELOPMENT? WHAT WE LEARN FROM THIS SELECTIVE REVIEW	184
 PART TWO	
SUCCESS IN AGRICULTURAL TRANSFORMATION: WHAT MAKES IT HAPPEN?	
Introduction to Part Two	189
 III. NECESSARY CONDITIONS	193
Introduction	193
III.I. Canada	195
III.II. Australia	200
III.III. New Zealand	206
 IV. NECESSARY BUT NOT SUFFICIENT CONDITIONS?	213
Introduction	213
IV.I. Ireland	214
IV.II. Portugal	225
 V. MISSING CONDITIONS	233
Introduction	233
V.I. Condition 1: A Stable Framework of Macroeconomic and Political Stability – The Central and Local Governments Are Able to Enforce Peace and Order	233
V.II. Condition 2: An Effective Technology-Transfer System – Research and Extension Messages Reach the Majority of Farmers	236
V.III. Condition 3: Access to Lucrative Markets – The Majority of Farmers Face Expanding Markets of Paying Customers; To Them, Investing in Agricultural and Rural Production Is Good Business	238

V.IV.	Condition 4: An Ownership System, Including a System of Usufruct Rights That Rewards Individual Initiative and Toil – It Is Feasible for Farm/Rural Families to Gain Monetarily from Risk Taking and Hard Work	243
V.V.	Condition 5: Employment-Creating Non-agricultural Sectors – As Agriculture Becomes More Productive, It Must Shed Labor, Which Unless Absorbed in Non-farm Jobs That Pay as Well as Agriculture Would Simply Constitute Exporting Farm Poverty to Other Sectors	248
VI.	THE PUBLIC FOUNDATIONS OF PRIVATE AGRICULTURE	254
	Introduction	254
VI. I.	Prevailing Insights into What Gets Smallholder Agriculture Moving and Why They Have Been Largely Disregarded	258
VI.II.	Political Economy Explanations: Alternative Theories of Governments’ Neglect of Smallholder Agriculture	262
VI.III.	Is Patronage Politics a Key Factor Undermining Smallholder Agriculture?	270
VI.IV.	Success in Agricultural Transformation: Governments Are in the Driver’s Seat	290
VI.V.	What Makes It Happen: The Public Foundations of Private Agriculture	298
	APPENDIX	
A.	A Note on the Research Methodology of This Book	307
	Introduction	307
A.I.	Proposed Approach Using Cross-Country Data and Case Studies	307
A.II.	Popper’s Methodology of Science: Refutations of Bold Conjectures	309
A.III.	Seeking Refutations, Not Merely Confirmations, as Empirical Tests of Hypothesis: Practical Considerations	311
B.	Glossary of Selected Economic Terms	313
B.I.	Computable General Equilibrium (CGE) Modeling	313
B.II.	Efficiency	313
B.III.	Elasticity	314
B.IV.	Gini Coefficient	314
B.V.	Gross Domestic Product (GDP)	314

B.VI.	Gross National Product (GNP) and Gross National Income (GNI)	315
B.VII.	Hicks Neutral Technical Change	315
B.VIII.	Median, Mean, and Mode	315
B.IX.	Multiplier	316
B.X.	Net National Product (NNP) and Net National Income (NNI)	316
B.XI.	Protection Coefficients	316
B.XII.	Purchasing Power Parity (PPP)	317
B.XIII.	Quintile	318
B.XIV.	Regression Analysis and Coefficients	318
B.XV.	Small and Large Countries	318
B.XVI.	Social Equity	319
B.XVII.	Spillover Effects	319
B.XVIII.	Total Factor Productivity (TFP) Growth	319
B.XIX.	Value Added	320
C.	Supporting Tables	321
	<i>Select Bibliography</i>	343
	<i>Index</i>	371