

Contents

Tables	ix
Figures	xi
Preface	xiii
ONE. Introduction	
<i>Hans P. Binswanger and Vernon W. Ruttan</i>	1

PART I

INDUCED TECHNICAL CHANGE AND DEVELOPMENT

TWO. Induced Technical Change: Evolution of Thought	
<i>Hans P. Binswanger</i>	13
THREE. Factor Productivity and Growth: A Historical Interpretation	
<i>Vernon W. Ruttan, Hans P. Binswanger, Yujiro Hayami, William W. Wade, and Adolf Weber</i>	44

PART II

THE THEORY OF INDUCED TECHNICAL CHANGE

FOUR. The Microeconomics of Induced Technical Change	
<i>Hans P. Binswanger</i>	91
FIVE. Issues in Modeling Induced Technical Change	
<i>Hans P. Binswanger</i>	128
SIX. Technology Transfer and Research Resource Allocation	
<i>Robert E. Evenson and Hans P. Binswanger</i>	164

PART III

SOME CASES AND TESTS

SEVEN. Measured Biases of Technical Change: The United States <i>Hans P. Binswanger</i>	215
EIGHT. A CES Test of Induced Technical Change: Japan <i>Patrick Yeung and Terry L. Roe</i>	243
NINE. Aggregate Demand and the Rate of Technical Change <i>Uri Ben-Zion and Vernon W. Ruttan</i>	261
TEN. Biased Choice of Technology in Brazilian Agriculture <i>John H. Sanders and Vernon W. Ruttan</i>	276
ELEVEN. Social Structure and Biased Technical Change in Argentine Agriculture <i>Alain de Janvry</i>	297

PART IV

INDUCED INSTITUTIONAL CHANGE

TWELVE. Induced Institutional Change <i>Vernon W. Ruttan</i>	327
THIRTEEN. Induced Innovation and the Green Revolution <i>Vernon W. Ruttan and Hans P. Binswanger</i>	358
FOURTEEN. A Postscript on Alternative Paths of Induced Institutional Change <i>Vernon W. Ruttan</i>	409
Contributors	415
Index	417