Contents

Part I  Introduction

1 Purpose, Scope, and Methodology ................................................................. 3
   Takashi Yamano, Keijiro Otsuka, and Frank Place

Part II  Market Access and Innovations

2 The Maize Farm-Market Price Spread in Kenya and Uganda ........................................... 23
   Takashi Yamano and Ayumi Arai

3 Fertilizer Policies, Price, and Application in East Africa ..................... 39
   Takashi Yamano and Ayumi Arai

4 The Impacts of Fertilizer Credit on Crop Production and Income in Ethiopia ........................................... 59
   Tomoya Matsumoto and Takashi Yamano

5 Emerging Markets in the Post-liberalization Period:
   Evidence from the Raw Milk Market in Rural Kenya ....................... 73
   Yoko Kijima, Takashi Yamano, and Isabelle Baltenweck

6 Dynamic Changes in the Uptake of Dairy Technologies in the Kenya Highlands ........................................... 85
   Isabelle Baltenweck, Takashi Yamano, and Steve J. Staal

7 Mobile Phone Coverage and Market Participation:
   The Case of Banana Marketing in Uganda ........................................... 99
   Megumi Muto and Takashi Yamano
Part III  Soil Fertility and Emerging Agricultural Innovations

8  Optimal Fertilizer Use on Maize Production in East Africa……………… 117
Tomoya Matsumoto and Takashi Yamano

9  Dairy–Banana Integration and Organic Manure
Use in Uganda.......................................................... 133
Takashi Yamano

10  Technology, Soil Fertility, and Poverty:
The Case of NERICA Rice in Uganda ................................. 153
Yoko Kijima, Keijiro Otsuka, and Dick Sserunkuuma

11  On the Possibility of a Lowland Rice Green Revolution
in Sub-Saharan Africa: Evidence from Eastern Uganda .......... 169
Yoko Kijima, Yukinori Ito, and Keijiro Otsuka

Part IV  Conclusion

12  Market Access, Soil Fertility, and Income in East Africa .......... 187
Takashi Yamano and Yoko Kijima

13  Conclusion: Toward the Transformation of Agriculture
in East Africa.......................................................... 203
Keijiro Otsuka, Takashi Yamano, and Frank Place

Subject Index.................................................................................... 211
Emerging Development of Agriculture in East Africa
Markets, Soil, and Innovations
Yamano, T.; Otsuka, K.; Place, F. (Eds.)
2011, XVII, 214 p., Hardcover
ISBN: 978-94-007-1200-3