CONTENTS

List of Illustrations ix

References 271

Index 313

List of Tables xiii
Preface: A Personal History xv
Acknowledgments xxv
The zone where human impact approaches burnan-carrying expactly – 29.
Introduction 1
PART ONE Agrifood Systems History and Future 11
Eating Stardust: Population, Food, and Agriculture on Planet Earth 13
Agricultural Revolutions 47
Thinking Critically about Sustainable Agrifood Systems 71
Sustainable Agrifood Systems: Three Emphases 97
The Time Maying toward Custainable Agrifood Cystomer A Dalansing Act 127
PART TWO Moving toward Sustainable Agrifood Systems: A Balancing Act 123
Managing Evolution: Plant Breeding and Biotechnology 125
Managing Agricultural Ecosystems: The Critical Role of Diversity 160
Managing People: The Common Property Option 183
The Big Solutions: Climate Change, Resource Cycles, and Diet 205
The Big Solutions: Localizing Agrifood Systems 233
The brokess of analysis for increasing musicianhills in agrifued systems – we
Appendix 1. Acronyms, Abbreviations, and Symbols 255
Appendix 2. Metric Units and Metric-English Unit Conversions 258
Notes 261