

Contents

<i>Preface</i>	vii
PART I BIOLOGICAL CONSERVATION: BASIC ECONOMIC ISSUES	
1 An introduction to the economic issues involved in sustaining biodiversity and ecosystem functions	3
2 Classifying the stock of genetic resources and ecosystems: their economic nature and patterns of biodiversity change	19
3 Socio-economic processes transforming the genetic stock and altering ecosystems	41
4 Sustainable development and changes in the genetic stock and in ecosystems	59
PART II HUMAN DEVELOPED BIOLOGICAL CAPITAL: GERMPLASM AND ECOSYSTEMS	
5 Crops and the socio-economics of biodiversity loss and change	91
6 Livestock and the socio-economics of biodiversity loss	119
7 Advances in genetic engineering and changes in biodiversity and ecosystems: economic and ecological considerations	146
8 Human developed and modified ecosystems: their economic value	177
9 Declining effectiveness of techniques designed to control pests and diseases: economics, evolution and human choices	210
10 Property rights in human developed genetic material: an economic assessment	220
PART III NATURAL BIOLOGICAL CAPITAL: WILD GENETIC RESOURCES AND NATURAL ECOSYSTEMS	
11 The conservation and loss of wild biodiversity and natural ecosystems: basic economic issues	245

12	Allocating land use to minimize the opportunity cost of conserving wild species in their natural habitats	279
13	Property rights in non-captive wildlife and biodiversity conservation	302
14	Economic incentives to conserve wildlife on private lands: analysis, policy and examples	327
15	Biodiversity conservation, loss of natural capital and interest rates: the relationships are irregular	349
16	Valuing and sustaining natural ecosystem services: assumptions, estimates and public policies	363
17	Economics and spatial aspects of ecosystem use: land sharing versus land sparing – wildlife conservation and forestry	386
	<i>Index</i>	409