

Contents

Part I Ethical Reasoning

1 Ethics	3
Gary L. Comstock	
2 Religion	15
Gary L. Comstock	
3 Reasoning	31
Lilly-Marlene Russow	
4 Method	67
Gary L. Comstock	

Part II Life Science Ethics

5 Environment	93
Lilly-Marlene Russow	
6 Land	123
Paul B. Thompson	
7 Farms	145
Charles Taliaferro and Stephen Carpenter	
8 Food	175
Hugh LaFollette and Larry May	
9 Biotechnology	189
Fred Gifford	

10	Genetically Modified Foods	221
	Gary L. Comstock	
11	Animals in Agriculture	239
	Gary Varner	
12	Animals in Research	267
	Richard Haynes	
13	Climate Change	287
	Stephen M. Gardiner	
14	Nanotechnology	333
	Christopher M. Kelty	
Part III Case Studies		
15	Environment: Marine Mammal Protection	357
	Donald J. Orth	
16	Land: Hybrid Corn	367
	Jochum Wiersma, Deon Stuthman, David Fan, Donald Duvick, and Victor Konde	
17	Farms: Lost in the Maize	375
	Isabel Lopez-Calderon, Steven Hill, L. Horst Grimme, Michael Lawton, and Anabela M.L. Romano	
18	Food: Edible Antibiotics in Food Crops	377
	Mike Zeller, Terrance Riordan, Halina Zaleski, Dean Herzfeld, and Kathryn Orvis	
19	Biotechnology: Trait Protection System	381
	Thomas Peterson and Bryony Bonning	
20	Genetically Modified Foods: Golden Rice	387
	Kristen Hessler, Ross Whetten, Carol Loopstra, Sharon Shriver, Karen Pesaresi Penner, Robert Zeigler, Jacqueline Fletcher, Melanie Torrie, and Gary L. Comstock	
21	Animals in Agriculture: Beef, Milk, and Eggs	401
	Gary Varner	
22	Animals in Research: Enviropigs	405
	Robert Streiffer and Sara Gavrell Ortiz	

23	Climate Change: Coastal Dead Zones.....	423
	Donald F. Boesch, Victoria J. Coles, David G. Kimmel, and W. David Miller	
24	Nanotechnology: Nanotechnology and Human Enhancement	435
	Deb Bennett-Woods	
	Appendix A: Exercises.....	451
	Appendix B: Notes for Instructors	455
	Author Index.....	467
	Subject Index.....	471



<http://www.springer.com/978-90-481-8791-1>

Life Science Ethics

Comstock, G. (Ed.)

2010, XXIX, 482 p., Hardcover

ISBN: 978-90-481-8791-1