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Nota di contenuto	ENDOCRINE DISRUPTERS; CONTENTS; PREFACE; CONTRIBUTORS; CHAPTER 1 Ecotoxicity Test Methods for Endocrine-Disrupting Chemicals : AN INTRODUCTION; 1.1 BACKGROUND; 1.2 REGULATORY CONCERNS; 1.3 INVERTEBRATES; 1.4 VERTEBRATES; 1.5 TESTING SCHEMES FOR EDCs; REFERENCE; CHAPTER 2 Endocrine Disruption in Wildlife : BACKGROUND, EFFECTS, AND IMPLICATIONS; 2.1 BACKGROUND TO ENDOCRINE DISRUPTION; 2.1.1 Introduction; 2.1.2 Brief Account of the History of Endocrine Disruption; 2.1.3 What Are Endocrine-Disrupting Chemicals?; 2.1.4 Vertebrate Endocrine System; 2.1.5 Invertebrate Endocrine System 2.1.6 Mechanisms of Endocrine Disruption2.1.7 Endocrine Disrupters in the Environment; 2.2 EFFECTS OF EDCs ON WILDLIFE; 2.2.1 Mammals; 2.2.2 Birds; 2.2.3 Reptiles and Amphibians; 2.2.4 Fish; 2.2.5 Invertebrates; 2.3 WEIGHT OF EVIDENCE AND ECOLOGICAL SIGNIFICANCE OF ED EFFECTS; 2.4 IMPLICATIONS FOR EFFECT ASSESSMENT AND TOXICITY TESTING; 2.5 NEED FOR MORE FIELD STUDIES AND AN INTEGRATED APPROACH; 2.6 CONCLUDING POINTS; REFERENCES; CHAPTER 3 The Regulatory Need for Tests to Detect EDCs and Assess Their Hazards to Wildlife

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Sommario/riassunto

"This book describes methodology and applications for endocrine disrupter toxicity testing, an issue of considerable urgency, because of international regulatory authorities currently considering such testing schemes. The coverage examines major animal groups for sensitivity to endocrine disrupting chemicals (EDCs), identifying endpoints and procedures for testing guidelines. Three EDC screening methods (two using fish and one using amphibians) are examined in detail for their efficacy and applicability. Edited by, and with contributions from, a leading participant in regulatory efforts, the book outlines methods that combine sensitivity, efficiency, statistical power, acceptable cost, and minimum ethical concern"--